**MEASUREMENT REPORT****FCC PART 15.407 / ISED RSS-247 UNII 802.11a/n/ac/ax(SU)****Applicant Name:**

Apple Inc.
One Apple Park Way
Cupertino, CA 95014
United States

Date of Testing:

10/25/2024 - 1/14/2025

Test Report Issue Date:

1/24/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2410210075-21-R1.BCG

FCC ID:

BCGA3269

IC:

579C-A3269

APPLICANT:

Apple Inc.

Application Type:

Certification

Model/HVIN:

A3269, A3271

EUT Type:

Tablet Device

Frequency Range:

5180 – 5825MHz

Modulation Type:

OFDM

FCC Classification:

Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s):

Part 15 Subpart E (15.407)

ISED Specification:

RSS-247 Issue 3

Test Procedure(s):

ANSI C63.10-2020, KDB 789033 D02 v02r01

KDB 662911 D01 v02r01

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2020 and KDB 789033 D02 v02r01. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1C2410210075-21-R1.BCG) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose accordingly.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



RJ Ortanez

Executive Vice President



FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 1 of 270

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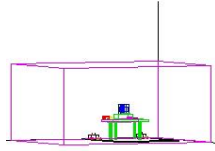
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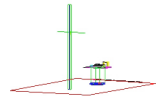
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MEASUREMENT REPORT



UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						CDD/SDM Primary		CDD/SDM Diversity	
				Antenna 5T		Antenna 3b		Antenna 1b		Summed		Summed	
				Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	802.11a/n	5180 - 5240	83.368	19.21	86.696	19.38	59.020	17.71	95.719	19.81	80.353	19.05
2A		802.11a/n	5260 - 5320	87.498	19.42	86.896	19.39	57.148	17.57	97.499	19.89	83.176	19.20
2C		802.11a/n	5500 - 5720	87.498	19.42	86.696	19.38	58.614	17.68	100.000	20.00	83.176	19.20
3		802.11a/n	5745 - 5825	88.512	19.47	87.700	19.43	59.293	17.73	177.011	22.48	147.911	21.70
1	40	802.11n	5190 - 5230	83.753	19.23	87.297	19.41	55.590	17.45	171.002	22.33	139.637	21.45
2A		802.11n	5270 - 5310	86.497	19.37	82.224	19.15	57.412	17.59	169.434	22.29	146.218	21.65
2C		802.11n	5510 - 5710	88.716	19.48	87.297	19.41	57.544	17.60	175.388	22.44	143.549	21.57
3		802.11n	5755 - 5795	86.696	19.38	88.920	19.49	58.076	17.64	173.380	22.39	144.544	21.60
1	80	802.11ac	5210	30.974	14.91	33.037	15.19	20.512	13.12	56.885	17.55	46.989	16.72
2A		802.11ac	5290	47.863	16.80	50.003	16.99	31.046	14.92	74.473	18.72	64.417	18.09
2C		802.11ac	5530 - 5690	85.114	19.30	83.176	19.20	57.943	17.63	168.267	22.26	139.316	21.44
3		802.11ac	5775	58.884	17.70	56.754	17.54	36.475	15.62	113.501	20.55	95.940	19.82
1	20	802.11ax (SU)	5180 - 5240	88.716	19.48	82.604	19.17	57.544	17.60	120.504	20.81	100.693	20.03
2A		802.11ax (SU)	5260 - 5320	88.512	19.47	87.297	19.41	56.624	17.53	122.744	20.89	102.094	20.09
2C		802.11ax (SU)	5500 - 5720	88.512	19.47	88.512	19.47	58.614	17.68	122.744	20.89	103.276	20.14
3		802.11ax (SU)	5745 - 5825	88.512	19.47	84.140	19.25	57.148	17.57	177.419	22.49	144.212	21.59
1	40	802.11ax (SU)	5190 - 5230	85.507	19.32	88.512	19.47	55.976	17.48	174.181	22.41	143.549	21.57
2A		802.11ax (SU)	5270 - 5310	87.700	19.43	82.794	19.18	58.479	17.67	172.982	22.38	143.880	21.58
2C		802.11ax (SU)	5510 - 5710	88.716	19.48	85.704	19.33	57.677	17.61	169.434	22.29	140.281	21.47
3		802.11ax (SU)	5755 - 5795	87.902	19.44	83.946	19.24	58.345	17.66	174.985	22.43	145.546	21.63
1	80	802.11ax (SU)	5210	30.903	14.90	29.174	14.65	20.045	13.02	55.208	17.42	46.132	16.64
2A		802.11ax (SU)	5290	47.753	16.79	50.119	17.00	30.690	14.87	58.614	17.68	49.888	16.98
2C		802.11ax (SU)	5530 - 5690	85.901	19.34	86.298	19.36	58.345	17.66	172.187	22.36	141.579	21.51
3		802.11ax (SU)	5775	53.703	17.30	53.703	17.30	37.068	15.69	93.972	19.73	79.983	19.03
1	160	802.11ac	5250	24.660	13.92	24.774	13.94	15.488	11.90	47.973	16.81	38.905	15.90
2C		802.11ac	5570	22.284	13.48	21.281	13.28	14.322	11.56	39.355	15.95	32.961	15.18
1	160	802.11ax (SU)	5250	24.378	13.87	24.717	13.93	15.668	11.95	47.753	16.79	40.644	16.09
2C		802.11ax (SU)	5570	21.827	13.39	21.429	13.31	14.454	11.60	41.305	16.16	34.435	15.37

FCC EUT Overview

UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						CDD/SDM Primary		CDD/SDM Diversity	
				Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	802.11a/n	5180 - 5240	87.902	19.44	87.700	19.43	56.624	17.53	107.895	20.33	91.622	19.62
2A		802.11a/n	5260 - 5320	87.498	19.42	86.896	19.39	57.148	17.57	97.499	19.89	83.176	19.20
2C		802.11a/n	5500 - 5720	87.498	19.42	86.696	19.38	58.614	17.68	100.000	20.00	83.176	19.20
3		802.11a/n	5745 - 5825	88.512	19.47	87.700	19.43	59.293	17.73	177.011	22.48	147.911	21.70
1	40	802.11n	5190 - 5230	86.099	19.35	88.512	19.47	55.847	17.47	174.985	22.43	144.544	21.60
2A		802.11n	5270 - 5310	86.497	19.37	82.224	19.15	57.412	17.59	169.434	22.29	146.218	21.65
2C		802.11n	5510 - 5710	88.716	19.48	83.753	19.23	56.234	17.50	166.725	22.22	142.889	21.55
3		802.11n	5755 - 5795	86.696	19.38	88.920	19.49	58.076	17.64	173.380	22.39	144.544	21.60
1	80	802.11ac	5210	29.376	14.68	28.973	14.62	20.512	13.12	54.200	17.34	44.361	16.47
2A		802.11ac	5290	47.863	16.80	50.003	16.99	31.046	14.92	74.473	18.72	64.417	18.09
2C		802.11ac	5530 - 5690	82.224	19.15	83.176	19.20	57.943	17.63	168.267	22.26	139.316	21.44
3		802.11ac	5775	58.884	17.70	56.754	17.54	36.475	15.62	113.501	20.55	95.940	19.82
1	20	802.11ax (SU)	5180 - 5240	88.716	19.48	83.560	19.22	58.076	17.64	137.404	21.38	113.763	20.56
2A		802.11ax (SU)	5260 - 5320	88.512	19.47	87.297	19.41	56.624	17.53	122.744	20.89	102.094	20.09
2C		802.11ax (SU)	5500 - 5720	88.512	19.47	88.512	19.47	58.614	17.68	122.744	20.89	103.276	20.14
3		802.11ax (SU)	5745 - 5825	88.512	19.47	84.140	19.25	57.148	17.57	177.419	22.49	144.212	21.59
1	40	802.11ax (SU)	5190 - 5230	87.297	19.41	87.297	19.41	56.494	17.52	175.388	22.44	145.881	21.64
2A		802.11ax (SU)	5270 - 5310	87.700	19.43	82.794	19.18	58.479	17.67	172.982	22.38	143.880	21.58
2C		802.11ax (SU)	5510 - 5710	86.896	19.39	85.704	19.33	57.544	17.60	166.725	22.22	138.676	21.42
3		802.11ax (SU)	5755 - 5795	87.902	19.44	83.946	19.24	58.345	17.66	174.985	22.43	145.546	21.63
1	80	802.11ax (SU)	5210	31.477	14.98	30.690	14.87	20.701	13.16	56.105	17.49	46.774	16.70
2A		802.11ax (SU)	5290	47.753	16.79	50.119	17.00	30.690	14.87	58.614	17.68	49.888	16.98
2C		802.11ax (SU)	5530 - 5690	85.901	19.34	86.298	19.36	58.345	17.66	172.187	22.36	141.579	21.51
3		802.11ax (SU)	5775	53.703	17.30	53.703	17.30	37.068	15.69	93.972	19.73	79.983	19.03
1	160	802.11ac	5250	23.550	13.72	24.210	13.84	15.524	11.91	47.534	16.77	38.726	15.88
1	160	802.11ax (SU)	5250	23.714	13.75	24.831	13.95	15.849	12.00	47.753	16.79	40.644	16.09

ISED EUT Overview

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 Element Materials Technology Test Location

These measurement tests were conducted at the Element Materials Technology facility located at 18855 Adams Court, Morgan Hill, CA 95037. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at Element Materials Technology located in Morgan Hill, CA 95037, U.S.A.

- Element Materials Technology is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.02 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Materials Technology facility is a registered (22831) test laboratory with the site description on file with ISED.
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Tablet Device FCC ID: BCGA3269** and **IC: 579C-A3269**. The test data contained in this report pertains only to the emissions due to the EUT's UNII 802.11a/n/ac/ax(SU) transmitter.

Test Device Serial No.: GG7TNJ9MT4, XD4R967RNY, HTK2QW67CY, DLXHAB0003T0000Q47

2.2 Device Capabilities

This device contains the following capabilities:

850/1700/1900 WCDMA/HSPA, Multi-band LTE, 5G NR (FR1), 802.11b/g/n/ax WLAN, 802.11a/n/ac/ax UNII, 802.11a/ax WIFI 6E, 802.15.4, Bluetooth (1x, EDR, LE1M, LE2M, HDR4, HDR8), NB UNII (1x, HDR4, HDR8), WPT

This device supports BT Beamforming

Band 1		Band 2A		Band 2C		Band 3	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
:	:	:	:	:	:	:	:
42	5210	56	5280	116	5580	157	5785
:	:	:	:	:	:	:	:
48	5240	64	5320	144	5720	165	5825

Table 2-1. 802.11a / 802.11n / 802.11ac / 802.11ax (20MHz) Frequency / Channel Operations

Band 1		Band 2A		Band 2C		Band 3	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
:	:	:	:	:	:	:	:
46	5230	62	5310	110	5550	159	5795
				:	:		
				142	5710		

Table 2-2. 802.11n / 802.11ac / 802.11ax (40MHz BW) Frequency / Channel Operations

Band 1		Band 2A		Band 2C		Band 3	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775
				:	:		
				138	5690		

Table 2-3. 802.11ac / 802.11ax (80MHz BW) Frequency / Channel Operations

Band 1		Band 2A		Band 2C	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
50	5250	50	5250	114	5570

Table 2-4. 802.11ac / 802.11ax (160MHz BW) Frequency / Channel Operations

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Notes:

1. TDWR channels are not supported for ISED.
2. 5GHz NII operation is possible in 20MHz, and 40MHz, 80MHz, and 160MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section B)2)b) KDB 789033 D02 v02r01 and ANSI C63.10-2020. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Measured Duty Cycles						
802.11 Mode/Band		Duty Cycle [%]				
		Antenna 5T	Antenna 3b	Antenna 1b	CDD/SDM (Primary)	CDD/SDM (Diversity)
5GHz	a (Low Rate)	98.24	98.24	98.24	98.49	98.49
	a (Mid Rate)	96.81	96.81	96.81	97.61	97.61
	a (High Rate)	94.56	94.56	94.56	95.41	95.41
	n (HT20) (Low Rate)	98.33	98.33	98.33	95.39	95.39
	n (HT20) (Mid Rate)	95.76	95.76	95.76	92.56	92.56
	n (HT20) (High Rate)	92.96	92.96	92.96	92.11	92.11
	ax(SU) (HT20 Low Rate)	97.39	97.39	97.39	97.63	97.63
	ax(SU) (HT20 Mid Rate)	94.28	94.28	94.28	95.74	95.74
	ax(SU) (HT20 High Rate)	91.92	91.92	91.92	92.85	92.85
	n (HT40 Low Rate)	98.06	98.06	98.06	94.99	94.99
	n (HT40 Mid Rate)	97.01	97.01	97.01	93.78	93.78
	n (HT40 High Rate)	93.41	93.41	93.41	88.29	88.29
	ax(SU) (HT40 Low Rate)	97.84	97.84	97.84	97.30	97.30
	ax(SU) (HT40 Mid Rate)	96.05	96.05	96.05	96.36	96.36
	ax(SU) (HT40 High Rate)	92.51	92.51	92.51	93.48	93.48
	ac (HT80 Low Rate)	96.14	96.14	96.14	95.61	95.61
	ac (HT80 Mid Rate)	93.09	93.09	93.09	94.34	94.34
	ac (HT80 High Rate)	91.47	91.47	91.47	90.03	90.03
	ax(SU) (HT80 Low Rate)	97.54	97.54	97.54	96.05	96.05
	ax(SU) (HT80 Mid Rate)	95.10	95.10	95.10	94.30	94.30
	ax(SU) (HT80 High Rate)	91.66	91.66	91.66	88.51	88.51
	ac (HT160 Low Rate)	96.61	96.61	96.61	95.46	95.46
	ac (HT160 Mid Rate)	93.56	93.56	93.56	93.41	93.41
	ac (HT160 High Rate)	92.43	92.43	92.43	92.07	92.07
	ax(SU) (HT160 Low Rate)	96.72	96.72	96.72	93.71	93.71
	ax(SU) (HT160 Mid Rate)	95.41	95.41	95.41	91.94	91.94
	ax(SU) (HT160 High Rate)	89.37	89.37	89.37	88.37	88.37

Table 2-4. Measured Duty Cycles

CDD/SDM Primary = Antenna 5T + Antenna 3b
CDD/SDM Diversity = Antenna 5T + Antenna 1b

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3. The device employs MIMO technology. Below are the possible configurations.

WiFi Configurations		SISO			CDD			SDM			STBC		
		Antenna 5T	Antenna 3b	Antenna 1b	Antenna 5T	Antenna 3b	Antenna 1b	Antenna 5T	Antenna 3b	Antenna 1b	Antenna 5T	Antenna 3b	Antenna 3b
5GHz	11a	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗
	11n (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11n (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ac (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ac (160MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (160MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 2-5. WIFI Configurations

✓ = Support ; ✗ = NOT Support

SISO = Single Input Single Output

SDM = Spatial Diversity Multiplexing – MIMO function

CDD = Cyclic Delay Diversity - 2Tx Function

STBC = Space-Time Block Coding – 2Tx Function

4. The device supports the following data rates (shown in Mbps):

802.11a	MCS Index			Spatial Stream	OFDM (802.11n/802.11ac)				OFDM (802.11ac)				OFDM (802.11ax)											
					20MHz		40MHz		80MHz		160MHz		20MHz		40MHz		80MHz		160MHz		160MHz		160MHz	
	HT	VHT	HE		0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI	0.8µs GI	0.4µs GI
6	0	0	0	1	6.5	7.2	13.5	15	29.3	32.5	58.5	65	8.6	8.1	7.3	17.2	16.3	14.6	34	30.6	72.1	68.1	61.3	61.3
9	1	1	1	1	13	14.4	27	30	58.5	65	117	130	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	144.1	136.1	122.5	122.5
12	2	2	2	1	19.5	21.7	40.5	45	87.8	97.5	175.5	195	25.8	24.4	21.9	51.6	48.8	43.9	108.1	102.1	216.2	204.2	183.8	183.8
18	3	3	3	1	26	28.9	54	60	117	130	234	260	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	288.2	272.2	245	245
24	4	4	4	1	39	43.3	81	90	175.5	195	351	390	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	432.4	408.3	367.5	367.5
36	5	5	5	1	52	57.8	108	120	234	260	468	520	68.8	65	58.5	137.6	130	117	288.2	272.2	576.5	544.4	490	490
48	6	6	6	1	58.5	65	121.5	135	263.3	292.5	526.5	585	77.4	73.1	65.8	154.9	146.3	131.6	324.3	306.3	648.5	612.5	551.3	551.3
54	7	7	7	1	65	72.2	135	150	292.5	325	585	650	86	81.3	73.1	172.1	162.5	146.3	360.3	340.3	720.6	680.6	612.5	612.5
-	-	8	8	1	-	-	162	180	351	390	702	780	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	864.7	816.7	735	735
-	-	9	9	1	-	-	180	200	390	433.3	780	866.7	114.7	108.3	97.5	229.4	216.7	195	480.4	453.7	960.8	907.4	816.7	816.7
-	-	-	10	1	-	-	-	-	-	-	-	-	129	121.9	109.7	258.1	243.8	219.4	540.4	510.4	1080.9	1020.8	918.8	918.8
-	-	-	11	1	-	-	-	-	-	-	-	-	143.4	135.4	121.9	286.8	270.8	243.8	600.5	567.1	1201	1134.3	1020.8	1020.8
6	8	0	0	2	13	14.4	27	30	58.5	65	117	130	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	144.1	136.1	122.5	122.5
9	9	1	1	2	26	28.9	54	60	117	130	234	260	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	288.2	272.2	245	245
12	10	2	2	2	39	43.3	81	90	175.5	195	351	390	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	432.4	408.3	367.5	367.5
18	11	3	3	2	52	57.8	108	120	234	260	468	520	68.8	65	58.5	137.6	130	117	288.2	272.2	576.5	544.4	490	490
24	12	4	4	2	78	86.7	162	180	351	390	702	780	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	864.7	816.7	735	735
36	13	5	5	2	104	115.6	216	240	468	520	936	1040	137.6	130	117	275.3	260	234	576.5	544.4	1152.9	1088.9	980	980
48	14	6	6	2	117	130	243	270	526.5	585	1053	1170	154.9	146.3	131.6	309.7	292.5	263.3	648.5	612.5	1297.1	1225	1102.5	1102.5
54	15	7	7	2	130	144.4	270	300	585	650	1170	1300	172.1	162.5	146.3	344.1	325	292.5	720.6	680.6	1441.2	1361.1	1225	1225
-	-	8	8	2	156	173.3	324	360	702	780	1404	1560	206.5	195	175.5	412.9	390	351	864.7	816.7	1729.4	1633.3	1470	1470
-	-	9	9	2	-	-	360	400	780	866.7	1560	1733.3	229.4	216.7	195	458.8	433.3	390	960.8	907.4	1816.7	1729.4	1633.3	1633.3
-	-	-	10	2	-	-	-	-	-	-	-	-	258.1	243.8	219.4	516.2	487.5	438.8	1080.9	1020.8	2161.8	2041.7	1837.5	1837.5
-	-	-	11	2	-	-	-	-	-	-	-	-	286.8	270.8	243.8	573.5	541.7	487.5	1201	1134.3	2402	2268.5	2041.7	2041.7

Table 2-6. Supported Data Rates

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5. This device supports simultaneous transmission operations, which allows multiple transmitters to transmit simultaneously on the same antenna. The table below shows all configurations possible.

Antenna	Simultaneous Tx Config	Bluetooth 2.4GHz	Thread	WLAN	NB UNII	WIFI 5GHz	WIFI 6GHz	LTE / FR1 NR		
		BDR, EDR, HDR4/8, LE1/2M	802.15.4	802.11 b/g/n/ax	BDR, HDR4/8	802.11 a/n/ac/ax	802.11 a/ax	LB	MB/HB	Ultra High Band
Ant 3b	Config 1	✗	✗	✗	✓	✗	✗	✗	✓	✗
Ant 3b	Config 2	✗	✗	✗	✗	✓	✗	✗	✓	✗
Ant 3b	Config 3	✗	✗	✗	✗	✗	✓	✗	✓	✗
Ant 3a	Config 4	✓	✗	✗	✗	✗	✗	✗	✗	✓
Ant 3a	Config 5	✗	✓	✗	✗	✗	✗	✗	✗	✓
Ant 3a	Config 6	✗	✗	✓	✗	✗	✗	✗	✗	✓
Ant 1a	Config 7	✓	✗	✗	✗	✗	✗	✗	✗	✓
Ant 1a	Config 8	✗	✓	✗	✗	✗	✗	✗	✗	✓
Ant 1a	Config 9	✗	✗	✓	✗	✗	✗	✗	✗	✓
Ant 1b	Config 10	✗	✗	✗	✓	✗	✗	✗	✓	✗
Ant 1b	Config 11	✗	✗	✗	✗	✓	✗	✗	✓	✗
Ant 1b	Config 12	✗	✗	✗	✗	✗	✓	✗	✓	✗

Table 2-7. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

All the above simultaneous transmission configurations have been tested and the worst case configuration was found to be Config 2

Specific 2.4 GHz Wi-Fi antenna that can only transmit simultaneously with 2.4 GHz Bluetooth antenna is listed in the SAR test report. For BT (2.4 GHz), in both connected and disconnected modes, and Wi-Fi (2.4 GHz) – Wi-Fi max power will not exceed minimum of (13.5dBm, SAR max cap, Reg max cap) power. Bluetooth can simultaneously transmit with IEEE 802.11a/n/ac/ax 5/6 GHz on separate antenna.

2.3 Antenna Description

Following antenna gains provided by manufacturer were used for the testing.

Frequency [GHz]	Antenna Gain (dBi)		
	Antenna 5T	Antenna 3b	Antenna 1b
5.150 – 5.250	-2.3	-1.4	-1.0
5.250 – 5.350	-0.3	-0.6	-1.5
5.470 – 5.725	1.6	0.9	-0.3
5.725 – 5.850	2.3	1.3	0.0

Table 2-8. Highest Antenna Gain

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2.4 Test Support Equipment

1	Apple MacBook Pro	Model:	A2141	S/N:	C02H604EQ05D
	w/AC/DC Adapter	Model:	A2166	S/N:	C4H042705ZNPM0WA6
2	Apple USB-C Cable	Model:	Spartan	S/N:	GXK1336018XKTR024
3	USB-C Cable	Model:	A246C	S/N:	DWH80115BK826GV19
	w/ AC Adapter	Model:	A2305	S/N:	C4H95160004PF4F4V
4	Apple Pencil	Model:	A2538	S/N:	KJ26TCFXJW
5	DC Power Supply	Model:	KPS3010D	S/N:	N/A

Table 2-9. Test Support Equipment List

2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.10-2020 and KDB 789033 D02 v02r01. ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing. See Sections 3.2 for AC line conducted emissions test setups, 3.3 for radiated emissions test setups, and 7.2, 7.3, 7.4, and 7.5 for antenna port conducted emissions test setups.

There are two vendors of the WiFi/Bluetooth radio modules, variant 1 and variant 2. Both radio modules have the same mechanical outline, same on-board antenna matching circuit, identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances. The worst case configuration was found between the two variants. The EUT was also investigated with and without charger.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration. The emissions below 1GHz and above 18GHz were tested with the highest transmitting power and the worst case channel.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

For AC line conducted and radiated test below 1GHz, following configuration were investigated and EUT powered by AC/DC was the worst case.

- EUT powered by AC/DC adaptor via USB-C cable with wire charger
- EUT powered by host PC via USB-C cable with wire charger

802.11n HT20/40, 11ax(SU) HE20/40/80/160 and 11ac VHT80/160 2TX CDD/SDM mode test data provided in this report covers 802.11n HT20/40, 11ax(SU) HE20/40/80/160 and 802.11ac VHT80/160 2TX STBC mode

802.11ac VHT20 and VHT40 mode are different from 802.11n HT20 and HT40 only in control messages and have the same power settings.

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The data rates have been categorized into three groups: low, middle, and high data rates (see Table 2-6). All three groups have been investigated, and only the worst-case data rate has been reported.

For 802.11ax (OFDMA) test result, see separate UNII 802.11ax (OFDMA) report, 1C2410210075-22.BCG.

All possible simultaneous transmission configurations have been investigated and the worst case config has been reported.

Description	LTE (Band 41)	802.11n 5GHz
Antenna	Antenna 3b	Antenna 3b
Channel	39750	36
Operating Frequency (MHz)	2506	5180
Mode/Modulation	QPSK/1RB/20MHz	802.11n

Table 2-10. Worst Case Simultaneous Transmission Configuration

2.6 Software and Firmware

The test was conducted with firmware version 22D20 installed on the EUT.

2.7 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2020) and the guidance provided in KDB 789033 D02 v02r01 were used in the measurement of the EUT.

Deviation from measurement procedure.....None

3.2 AC Line Conducted Emissions

The line-conducted facility is located inside a 7m x 3.66m x 2.7m shielded enclosure. The shielded enclosure is manufactured by AP Americas. The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-6. A 1m x 1.5m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50μH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. The external power line filter is EPCOS 2X60A Power Line Filter (100dB Attenuation, 14kHz-18GHz) and the two EPCOS 2X48A filters (100dB Minimum Insertion Loss, 14kHz - 10GHz). These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The spectrum was scanned from 150kHz to 30MHz with a spectrum analyzer. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions is used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

Line conducted emissions test results are shown in Section 7.8. Automated test software was used to perform the AC line conducted emissions testing. Automated measurement software utilized is Rohde & Schwarz EMC32, Version 10.50.40.

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3.3 Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. An 80cm tall test table made of Styrodur is placed on top of the turn table. For measurements above 1GHz, an additional Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

Per KDB 414788, radiated emission test sites other than open-field test sites (e.g., shielded anechoic chambers), may be employed for emission measurements below 30MHz if characterized so that the measurements correspond to those obtained at an open-field test site. To determine test site equivalency, a reference sample transmitting at 149kHz was measured on an open field test site (asphalt with no ground plane) and then measured in the 3m semi-anechoic chamber. A calibrated 60cm loop antenna was used while the reference device was rotated through the X, Y and Z axis in order to capture the worst case level. A maximum deviation of 2.77dB at 149kHz was measured when comparing the 3 meter semi-anechoic chamber to the open field site.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33 depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions.

3.4 Environmental Conditions

The temperature is controlled within range of 15°C to 35°C. The relative humidity is controlled within range of 10% to 75%. The atmospheric pressure is monitored within the range 86-106kPa (860-1060mbar).

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4.0 ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antennas of the EUT are **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The EUT complies with the requirement of §15.203.

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5.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.23-2012. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Bench Top Measurements	2.07
Line Conducted Disturbance	1.91
Radiated Disturbance (<30MHz)	4.12
Radiated Disturbance (30MHz - 1GHz)	4.85
Radiated Disturbance (1 - 18GHz)	5.08
Radiated Disturbance (>18GHz)	5.22

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6.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance with the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Anritsu	ML2495A	Power Meter	7/8/2024	Annual	7/8/2025	1039008
Anritsu	MA2411B	Pulse Power Sensor	7/1/2024	Annual	7/1/2025	1911105
Anritsu	MA2411B	Pulse Power Sensor	10/21/2024	Annual	10/21/2025	1027293
ATM	180-442A-KF	20dB Nominal Gain Horn Antenna	3/14/2024	Annual	3/14/2025	T058701-01
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	4/9/2024	Annual	4/9/2025	00218555
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2024	Annual	6/10/2025	-
Keysight Technology	N9040B	UXA Signal Analyzer	5/28/2024	Annual	5/28/2025	MY57212015
Keysight Technology	N9030A	PXA Signal Analyzer	7/11/2024	Annual	7/11/2025	MY49430244
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	3/1/2024	Annual	3/1/2025	102145
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/14/2024	Annual	8/14/2025	101648
Rohde & Schwarz	FSV40	Signal Analyzer (10Hz-40GHz)	5/29/2024	Annual	5/29/2025	101619
Rohde & Schwarz	ESW44	EMI Test Receiver	5/1/2024	Annual	5/1/2025	101867
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	7/3/2024	Annual	7/3/2025	102356
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/10/2024	Annual	6/10/2025	100057
Rohde & Schwarz	HFH2-Z2	Loop Antenna	6/21/2024	Annual	6/21/2025	100519
Rohde & Schwarz	ENV216	Two-Line V-Network	4/24/2024	Annual	4/24/2025	101364
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	4/29/2024	Annual	4/29/2025	00304

Table 6-1. Test Equipment List

Note:

- For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
- * denotes passive equipment that have been internally verified/calibrated.

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7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCGA3269
 IC: 579C-A3269
 FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Part Section(s)	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407	RSS-Gen [6.7]	26dB Bandwidth	N/A	CONDUCTED	N/A	Section 7.2
15.407(e)	RSS-Gen [6.7]	6dB Bandwidth	>500kHz(5725-5850MHz)		PASS	Section 7.3
2.1049	RSS-Gen [6.7]	Occupied Bandwidth	N/A		N/A	Section 7.2, Section 7.3
15.407 (a.1.iv), (a.2), (a.3.i)	RSS-247 [6.2]	Maximum Conducted Output Power	Maximum conducted powers must meet the limits detailed in 15.407 (a) (RSS-247 [6.2])		PASS	Section 7.4
15.407 (a.1.iv), (a.2), (a.3.i)	RSS-247 [6.2]	Maximum Power Spectral Density	Maximum power spectral density must meet the limits detailed in 15.407 (a) (RSS-247 [6.2])		PASS	Section 7.5
15.407(h)	RSS-247 [6.3]	Dynamic Frequency Selection	See DFS Test Report	RADIATED	PASS	See DFS Test Report 1C241021007 5-20
15.407(b.1), (b.2), (b.3), (b.4)	RSS-247 [6.2]	Undesirable Emissions	Undesirable emissions must meet the limits detailed in 15.407(b) (RSS-247 [6.2])		PASS	Section 7.6
15.205, 15.407(b.1), (b.2), (b.3), (b.4)	RSS-Gen [8.9]	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209 (RSS-Gen [8.9])		PASS	Section 7.6, 7.7
15.207	RSS-Gen [8.8]	AC Conducted Emissions 150kHz – 30MHz	< FCC 15.207 (RSS-Gen [8.8]) limits	LINE CONDUCTED	PASS	Section 7.8

Table 7-1. Summary of Test Results

Notes:

- 1) All channels, modes, and modulations/data rates were investigated among all UNII bands. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.
- 4) For conducted spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Conducted Automation,” Version 1.1.1.
- 5) For radiated testing, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Chamber Automation,” Version 3.1.0.

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7.2 26dB & 99% Bandwidth Measurement

§2.1049; §15.407; RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 26dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 26dB bandwidth.

The 26dB bandwidth is used to determine the conducted power limits.

Test Procedure Used

ANSI C63.10-2020 – Section 12.5.2
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 26$. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = in the range of 1% to 5% of the emission bandwidth
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = max hold

Test Setup

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



Figure 7-1. Test Instrument & Measurement Setup

Test Notes

1. All data rates and antenna configurations have been investigated, with tabular data reported for the worst-case data rate and antenna configuration. A plot of the mid channel per bandwidth has been included in the report as a representative reference.

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7.2.1 Antenna 5T 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS4)	17.80	20.83
	5200	40	n (20MHz)	39/43.3 (MCS4)	17.79	20.94
	5240	48	n (20MHz)	39/43.3 (MCS4)	17.77	20.93
	5180	36	ax (SU) (20MHz)	135/143.4 (MCS11)	19.06	21.26
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	19.05	21.32
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	19.08	21.30
	5190	38	n (40MHz)	81/90 (MCS4)	36.43	41.05
	5230	46	n (40MHz)	40/40.5 (MCS2)	36.29	41.15
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	37.90	41.25
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	38.02	41.56
	5210	42	ac (80MHz)	175.5/195 (MCS4)	75.54	81.15
Band 1/2	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	77.09	81.48
	5250	50	ac (160MHz)	87.8/97.5 (MCS2)	153.95	164.05
	5250	50	ax (SU) (160MHz)	567/600.5 (MCS11)	155.77	164.92
Band 2A	5260	52	n (20MHz)	19.5/21.7 (MCS2)	17.76	21.02
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	17.77	20.98
	5320	64	n (20MHz)	39/43.3 (MCS4)	17.80	21.05
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	19.09	21.42
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	19.07	21.37
	5320	64	ax (SU) (20MHz)	135/143.4 (MCS11)	19.07	21.32
	5270	54	n (40MHz)	40/40.5 (MCS2)	36.31	41.08
	5310	62	n (40MHz)	81/90 (MCS4)	36.48	40.38
	5270	54	ax (SU) (40MHz)	98/103.2 (MCS4)	38.02	41.32
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	37.97	41.35
	5290	58	ac (80MHz)	390/433.3 (MCS9)	75.95	81.56
	5290	58	ax (SU) (80MHz)	204/216.2 (MCS4)	77.27	81.94
Band 2C	5500	100	n (20MHz)	39/43.3 (MCS4)	17.78	20.89
	5580	116	n (20MHz)	39/43.3 (MCS4)	17.73	20.83
	5720	144	n (20MHz)	39/43.3 (MCS4)	17.76	20.91
	5500	100	ax (SU) (20MHz)	135/143.4 (MCS11)	19.04	21.18
	5580	116	ax (SU) (20MHz)	24/25.8 (MCS2)	19.07	21.18
	5720	144	ax (SU) (20MHz)	135/143.4 (MCS11)	19.07	21.08
	5510	102	n (40MHz)	81/90 (MCS4)	36.45	40.93
	5550	110	n (40MHz)	40/40.5 (MCS2)	36.31	41.02
	5710	142	n (40MHz)	81/90 (MCS4)	36.31	41.01
	5510	102	ax (SU) (40MHz)	271/286 (MCS11)	37.89	41.28
	5550	110	ax (SU) (40MHz)	271/286 (MCS11)	37.90	41.28
	5710	142	ax (SU) (40MHz)	98/103.2 (MCS4)	37.94	41.36
	5530	106	ac (80MHz)	175.5/195 (MCS4)	75.80	81.52
	*5610	122	ac (80MHz)	175.5/195 (MCS4)	75.56	81.02
	5690	138	ac (80MHz)	175.5/195 (MCS4)	75.50	81.17
	5530	106	ax (SU) (80MHz)	204/216.2 (MCS4)	77.27	81.85
	*5610	122	ax (SU) (80MHz)	567/600.5 (MCS11)	77.19	81.84
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	77.13	81.78
	*5570	114	ac (160MHz)	175.5/195 (MCS4)	154.31	164.27
	*5570	114	ax (SU) (160MHz)	567/600.5 (MCS11)	156.29	165.45

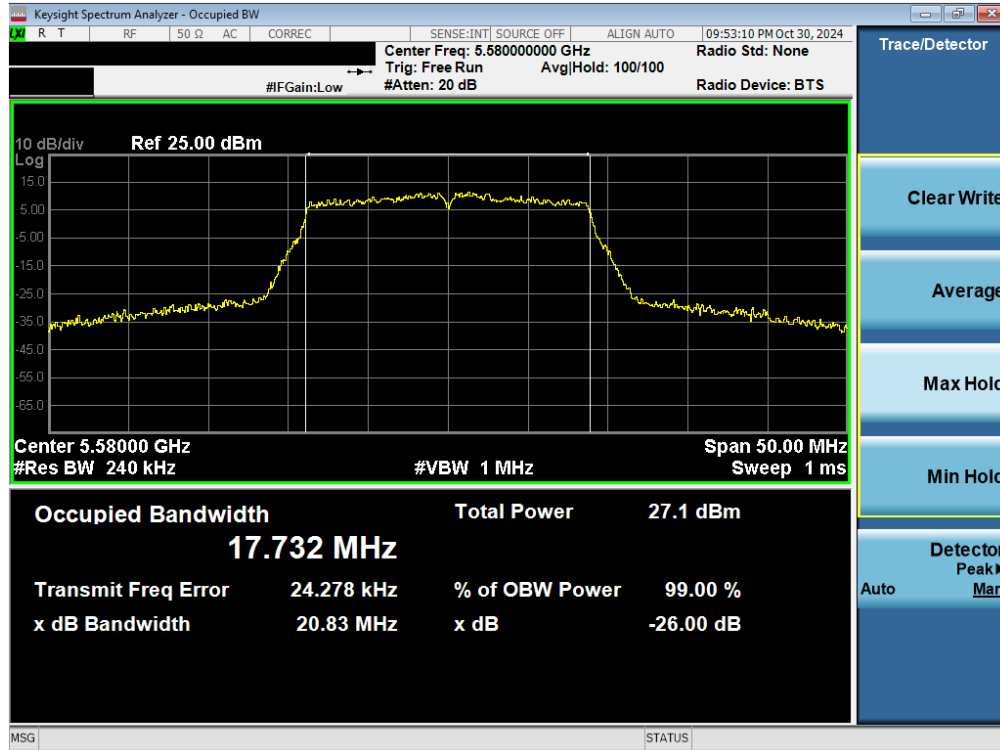
Table 7-2. Conducted Bandwidth Measurements Antenna 5T

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

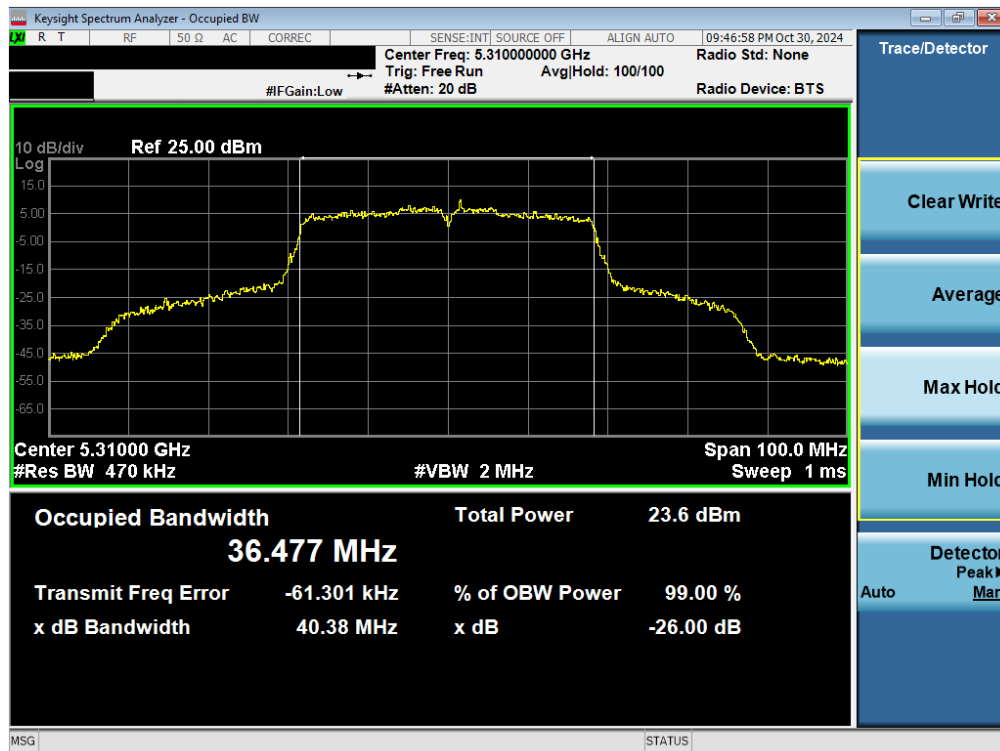
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Plot 7-1. 26dB BW & 99% OBW Antenna 5T (20MHz BW 802.11n – Ch. 116)

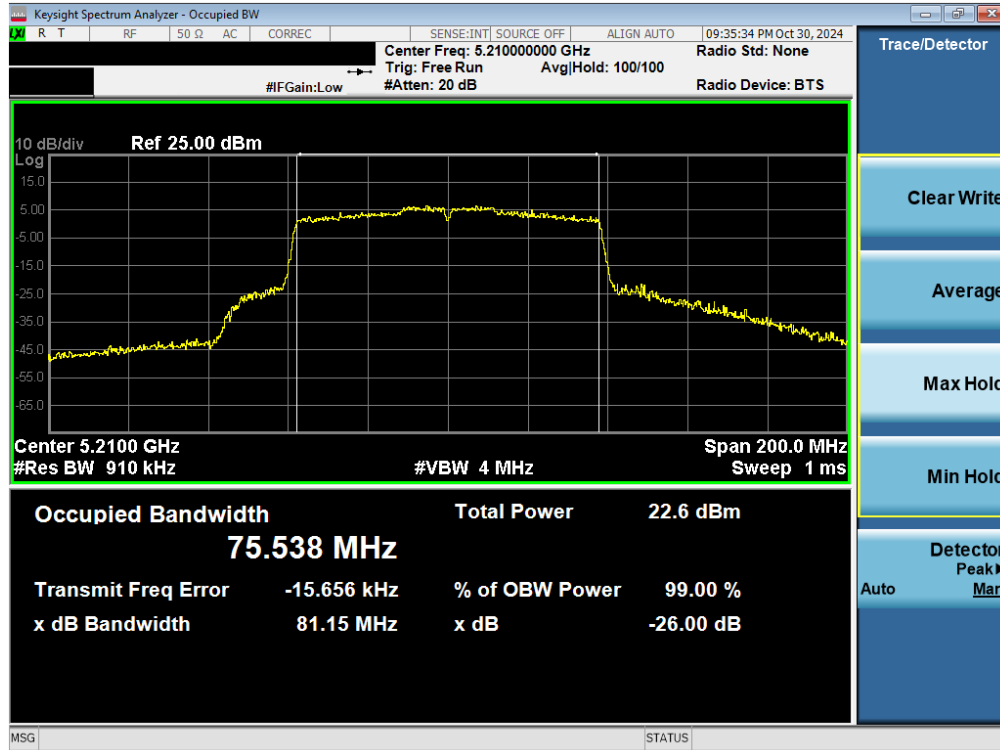


Plot 7-2. 26dB BW & 99% OBW Antenna 5T (40MHz BW 802.11n – Ch. 62)

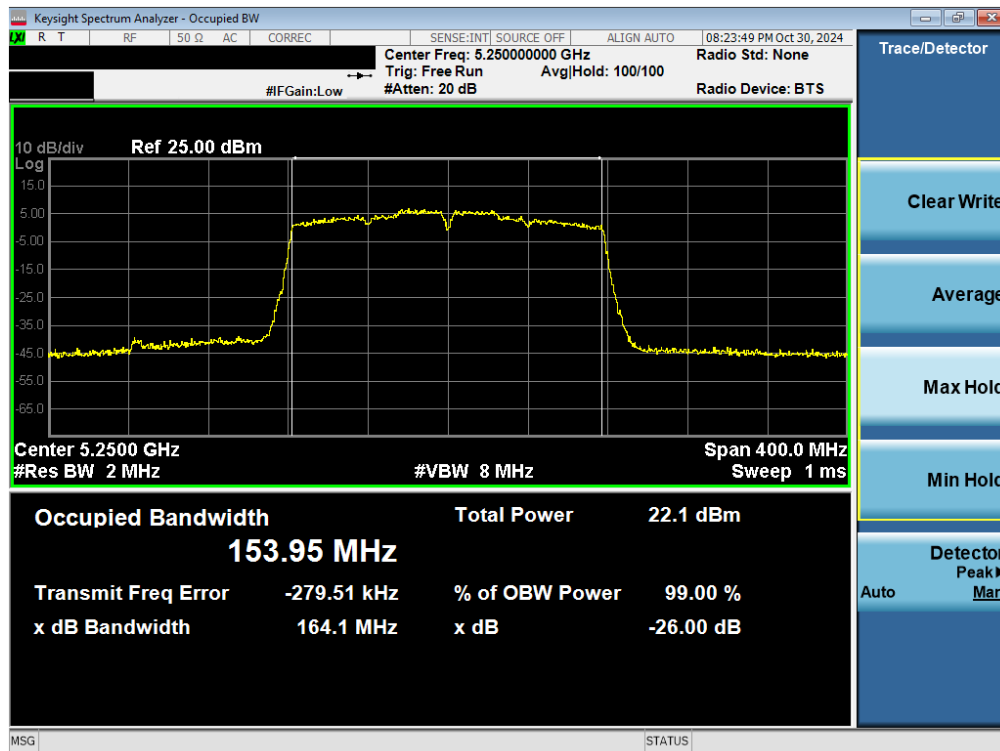
FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-3. 26dB BW & 99% OBW Antenna 5T (80MHz BW 802.11ac – Ch. 42)



Plot 7-4. 26dB BW & 99% OBW Antenna 5T (160MHz BW 802.11ac – Ch. 50)

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7.2.2 Antenna 3b 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	n (20MHz)	65/72.2 (MCS7)	17.87	21.15
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	17.79	20.99
	5240	48	n (20MHz)	39/43.3 (MCS4)	17.79	20.95
	5180	36	ax (SU) (20MHz)	135/143.4 (MCS11)	19.06	21.22
	5200	40	ax (SU) (20MHz)	24/25.8 (MCS2)	19.06	21.60
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	19.10	21.26
	5190	38	n (40MHz)	81/90 (MCS4)	36.59	41.31
	5230	46	n (40MHz)	81/90 (MCS4)	36.39	41.16
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	37.93	41.26
	5230	46	ax (SU) (40MHz)	49/51.6 (MCS2)	37.97	41.70
	5210	42	ac (80MHz)	175.5/195 (MCS4)	75.69	81.73
	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	77.19	81.70
Band 1/2	5250	50	ac (160MHz)	87.8/97.5 (MCS2)	154.41	165.57
	5250	50	ax (SU) (160MHz)	567/600.5 (MCS11)	156.32	165.69
Band 2A	5260	52	n (20MHz)	19.5/21.7 (MCS2)	17.77	20.94
	5300	60	n (20MHz)	39/43.3 (MCS4)	17.79	21.04
	5320	64	n (20MHz)	65/72.2 (MCS7)	17.87	21.02
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	19.08	21.25
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	19.08	21.35
	5320	64	ax (SU) (20MHz)	135/143.4 (MCS11)	19.08	21.26
	5270	54	n (40MHz)	40/40.5 (MCS2)	36.39	41.54
	5310	62	n (40MHz)	135/150 (MCS7)	36.53	41.44
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	38.01	41.94
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	37.93	41.60
	5290	58	ac (80MHz)	175.5/195 (MCS4)	75.65	81.27
	5290	58	ax (SU) (80MHz)	567/600.5 (MCS11)	77.20	82.06
Band 2C	5500	100	n (20MHz)	65/72.2 (MCS7)	17.85	21.01
	5580	116	n (20MHz)	39/43.3 (MCS4)	17.86	21.17
	5720	144	n (20MHz)	19.5/21.7 (MCS2)	17.81	20.96
	5500	100	ax (SU) (20MHz)	135/143.4 (MCS11)	19.04	21.27
	5580	116	ax (SU) (20MHz)	24/25.8 (MCS2)	19.09	21.54
	5720	144	ax (SU) (20MHz)	49/51.6 (MCS4)	19.09	21.22
	5510	102	n (40MHz)	81/90 (MCS4)	36.56	40.90
	5550	110	n (40MHz)	40/40.5 (MCS2)	36.36	41.25
	5710	142	n (40MHz)	40/40.5 (MCS2)	36.37	41.41
	5510	102	ax (SU) (40MHz)	271/286 (MCS11)	37.94	41.52
	5550	110	ax (SU) (40MHz)	49/51.6 (MCS2)	38.08	41.50
	5710	142	ax (SU) (40MHz)	49/51.6 (MCS2)	38.07	41.81
	5530	106	ac (80MHz)	175.5/195 (MCS4)	75.57	80.98
	*5610	122	ac (80MHz)	175.5/195 (MCS4)	75.62	83.76
	5690	138	ac (80MHz)	175.5/195 (MCS4)	75.79	81.42
	5530	106	ax (SU) (80MHz)	567/600.5 (MCS11)	77.28	82.06
	*5610	122	ax (SU) (80MHz)	567/600.5 (MCS11)	77.26	81.52
	5690	138	ax (SU) (80MHz)	102/108.1 (MCS2)	77.29	82.25
	*5570	114	ac (160MHz)	175.5/195 (MCS4)	154.00	164.26
	*5570	114	ax (SU) (160MHz)	567/600.5 (MCS11)	156.00	165.05

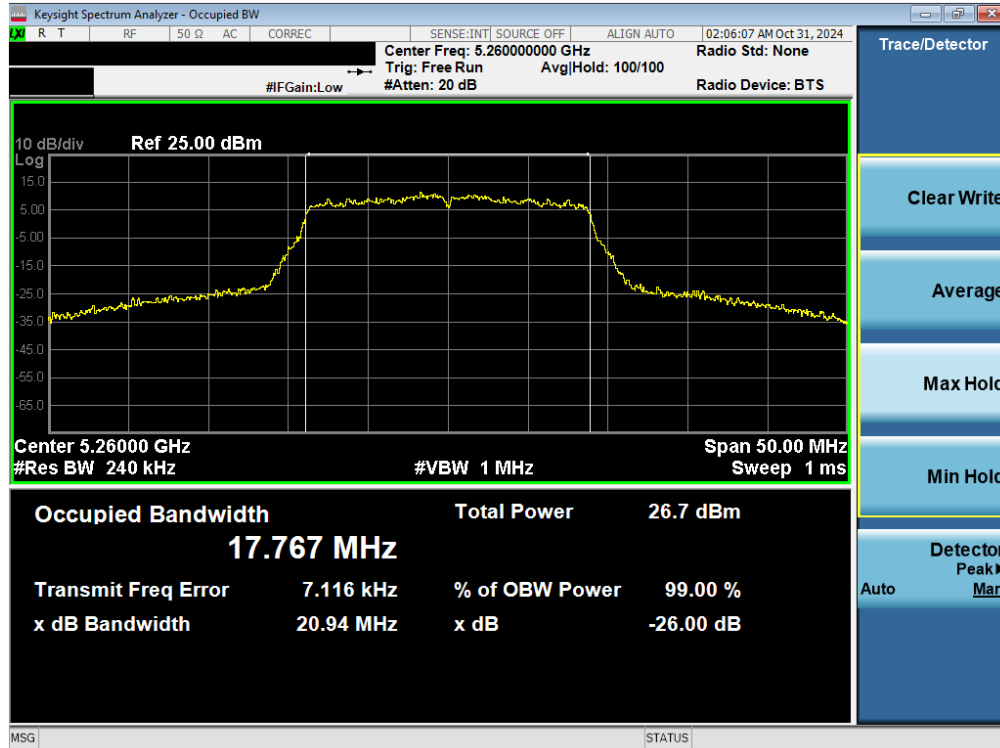
Table 7-3. Conducted Bandwidth Measurements Antenna 3b

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

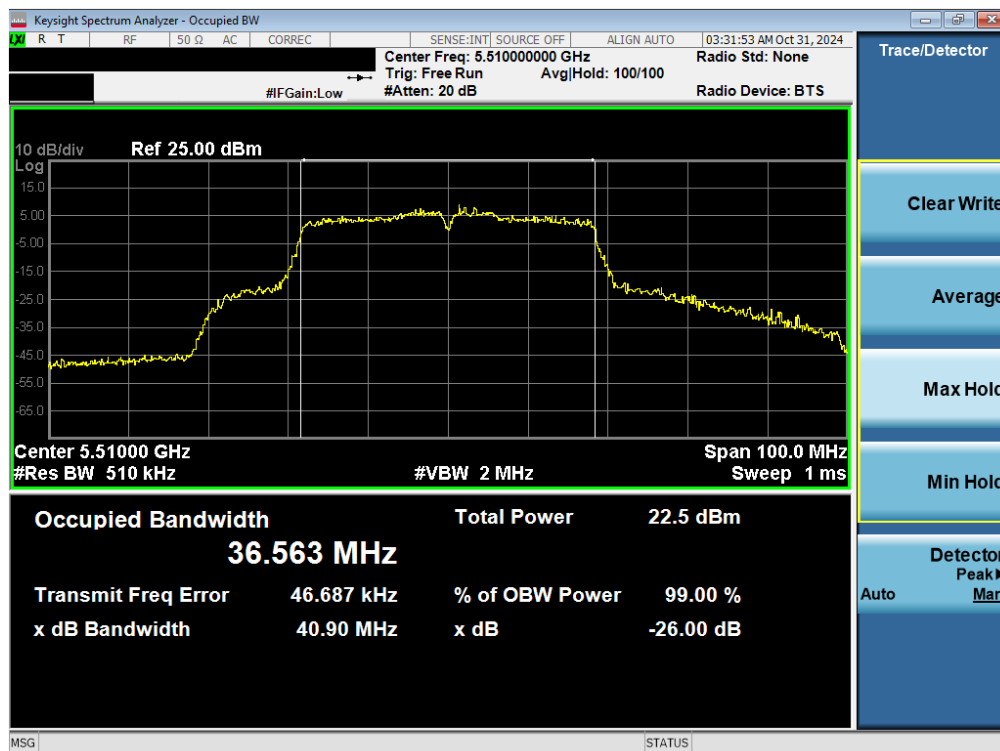
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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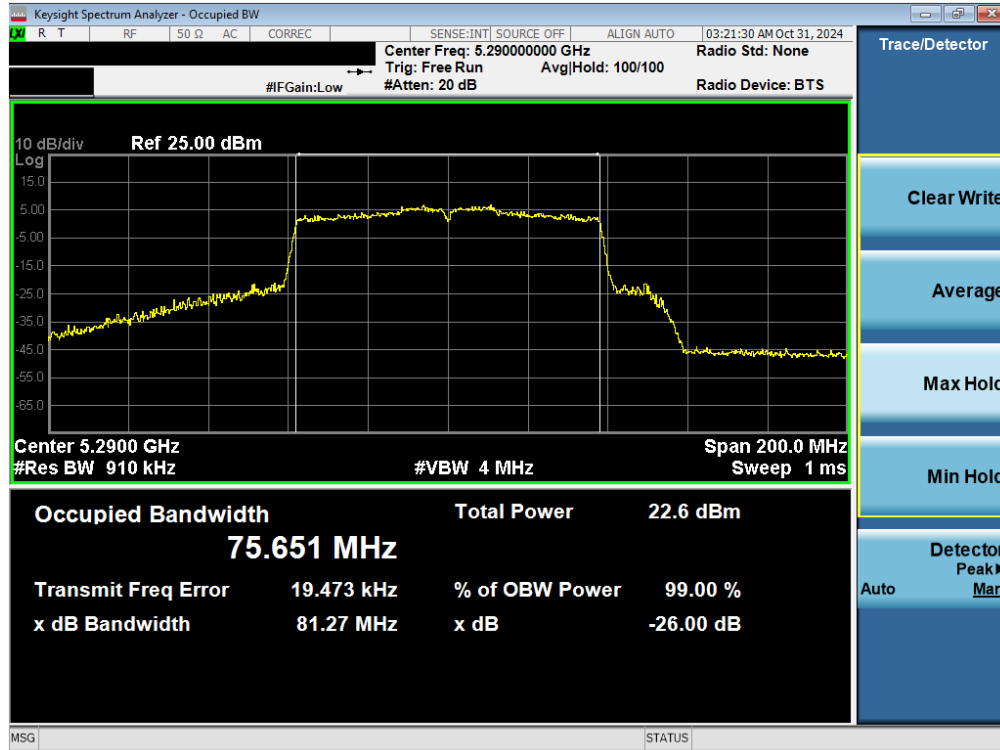
Plot 7-5. 26dB BW & 99% OBW Antenna 3b (20MHz BW 802.11n – Ch. 52)



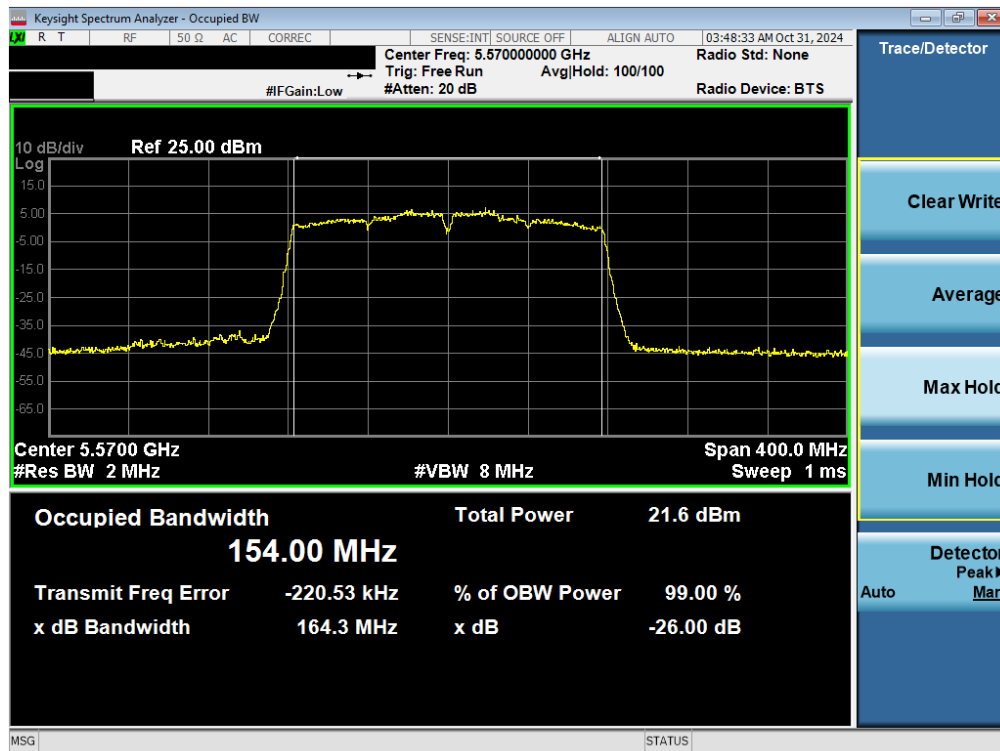
Plot 7-6. 26dB BW & 99% OBW Antenna 3b (40MHz BW 802.11n – Ch. 102)

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Plot 7-7. 26dB BW & 99% OBW Antenna 3b (80MHz BW 802.11ac – Ch. 58)



Plot 7-8. 26dB BW & 99% OBW Antenna 3b (160MHz BW 802.11ac – Ch. 114)

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7.2.3 Antenna 1b 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	n (20MHz)	65/72.2 (MCS7)	17.84	20.95
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	17.81	21.37
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	17.81	21.12
	5180	36	ax (SU) (20MHz)	135/143.4 (MCS11)	19.03	21.05
	5200	40	ax (SU) (20MHz)	24/25.8 (MCS2)	19.08	21.31
	5240	48	ax (SU) (20MHz)	24/25.8 (MCS2)	19.10	21.58
	5190	38	n (40MHz)	81/90 (MCS4)	36.45	40.97
	5230	46	n (40MHz)	40/40.5 (MCS2)	36.39	41.43
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	37.87	41.01
	5230	46	ax (SU) (40MHz)	49/51.6 (MCS2)	38.06	41.88
	5210	42	ac (80MHz)	390/433.3 (MCS9)	75.86	82.10
Band 1/2	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	77.07	81.81
	5250	50	ac (160MHz)	175.5/195 (MCS4)	154.44	165.09
Band 2A	5250	50	ax (SU) (160MHz)	567/600.5 (MCS11)	156.28	164.88
	5260	52	n (20MHz)	19.5/21.7 (MCS2)	17.81	21.32
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	17.81	21.27
	5320	64	n (20MHz)	65/72.2 (MCS7)	17.85	20.73
	5260	52	ax (SU) (20MHz)	24/25.8 (MCS2)	19.15	21.49
	5300	60	ax (SU) (20MHz)	24/25.8 (MCS2)	19.12	21.64
	5320	64	ax (SU) (20MHz)	135/143.4 (MCS11)	19.00	20.98
	5270	54	n (40MHz)	40/40.5 (MCS2)	36.53	42.06
	5310	62	n (40MHz)	81/90 (MCS4)	36.43	40.67
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	38.08	42.78
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	37.85	41.17
	5290	58	ac (80MHz)	175.5/195 (MCS4)	75.61	81.48
	5290	58	ax (SU) (80MHz)	567/600.5 (MCS11)	77.06	81.42
	5500	100	n (20MHz)	39/43.3 (MCS4)	17.81	20.89
	5580	116	n (20MHz)	19.5/21.7 (MCS2)	17.75	20.92
	5720	144	n (20MHz)	39/43.3 (MCS4)	17.78	20.98
Band 2C	5500	100	ax (SU) (20MHz)	135/143.4 (MCS11)	18.98	21.11
	5580	116	ax (SU) (20MHz)	49/51.6 (MCS4)	19.07	21.23
	5720	144	ax (SU) (20MHz)	24/25.8 (MCS2)	19.08	21.14
	5510	102	n (40MHz)	135/150 (MCS7)	36.50	41.32
	5550	110	n (40MHz)	81/90 (MCS4)	36.41	41.01
	5710	142	n (40MHz)	40/40.5 (MCS2)	36.39	41.56
	5510	102	ax (SU) (40MHz)	271/286 (MCS11)	37.91	40.97
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	37.96	41.45
	5710	142	ax (SU) (40MHz)	49/51.6 (MCS2)	38.00	41.86
	5530	106	ac (80MHz)	175.5/195 (MCS4)	75.66	81.00
	*5610	122	ac (80MHz)	175.5/195 (MCS4)	75.64	81.71
	5690	138	ac (80MHz)	175.5/195 (MCS4)	75.63	81.38
	5530	106	ax (SU) (80MHz)	567/600.5 (MCS11)	77.23	81.44
	*5610	122	ax (SU) (80MHz)	567/600.5 (MCS11)	77.21	81.50
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	77.58	81.36
	*5570	114	ac (160MHz)	175.5/195 (MCS4)	154.13	163.84
	*5570	114	ax (SU) (160MHz)	567/600.5 (MCS11)	156.14	164.34

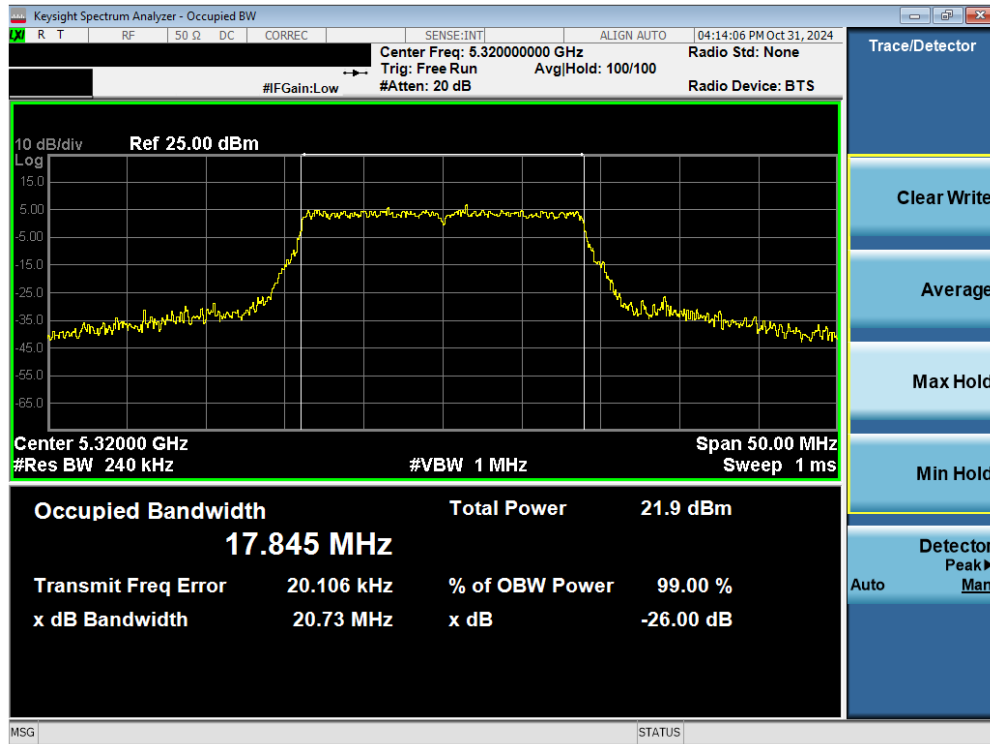
Table 7-4. Conducted Bandwidth Measurements Antenna 1b

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

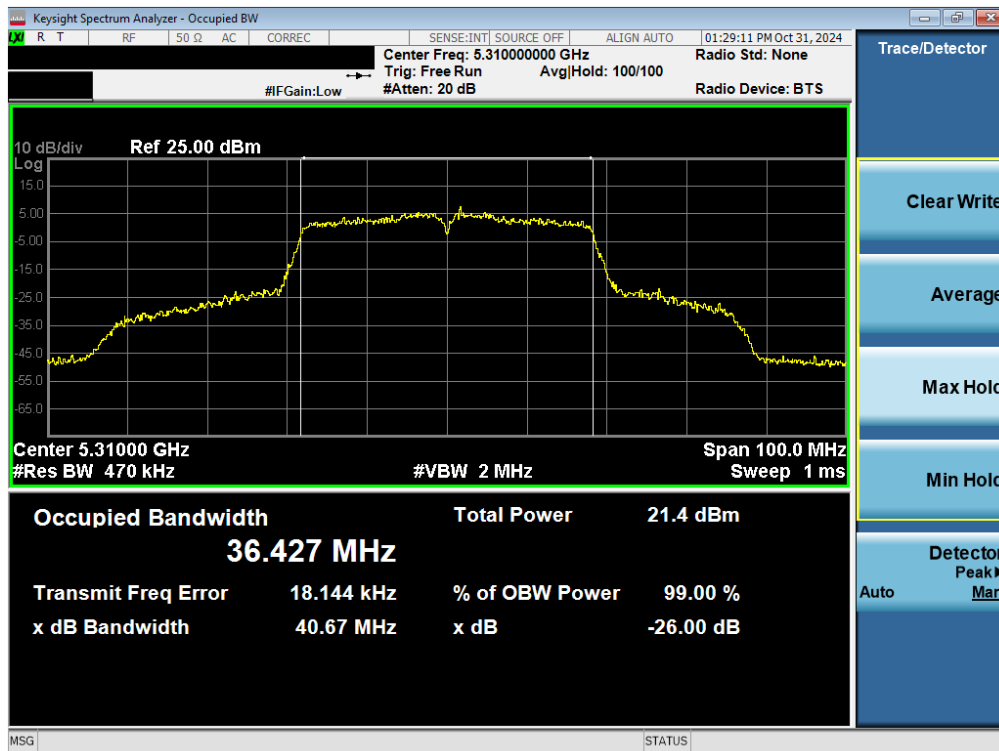
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 24 of 270

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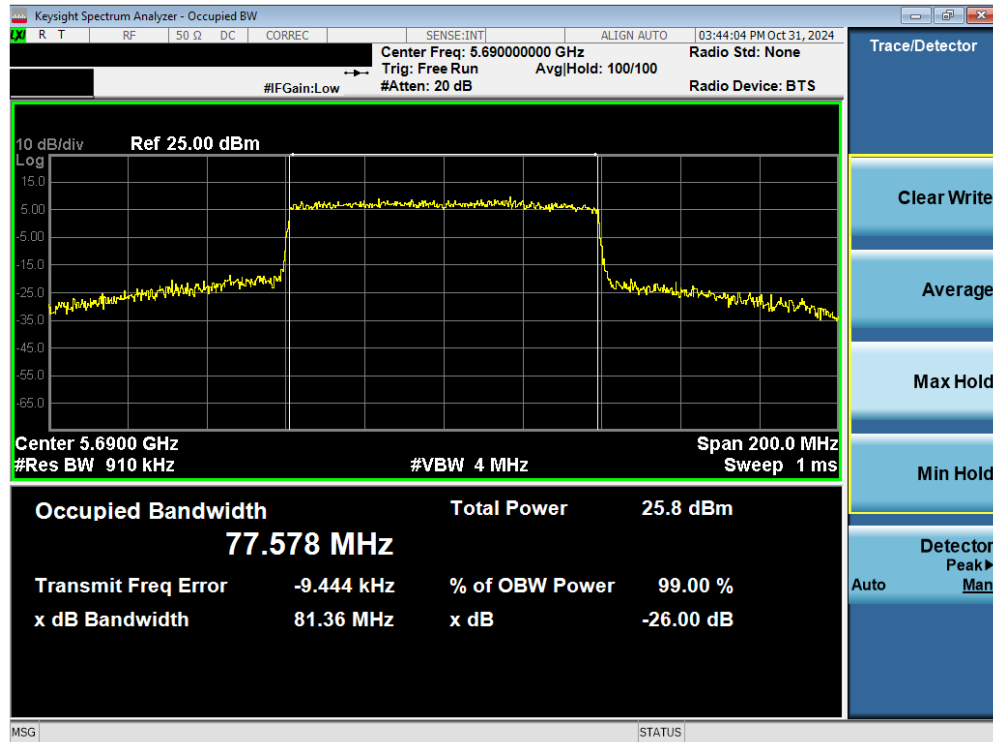
Plot 7-9. 26dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 64)



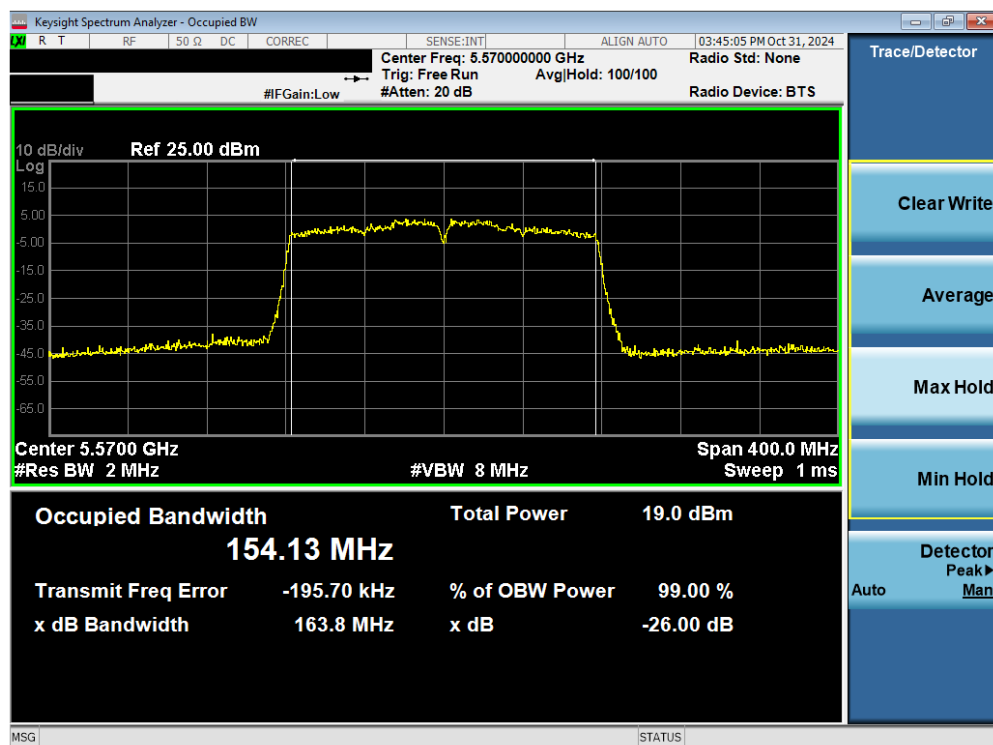
Plot 7-10. 26dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 62)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-11. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 138)



Plot 7-12. 26dB BW & 99% OBW Antenna 1b (160MHz BW 802.11ac – Ch. 114)

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.3 6dB & 99% Bandwidth Measurement

§2.1049; §15.407 (e); RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

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

Test Procedure Used

ANSI C63.10-2020 – Section 12.5.1
KDB 789033 D02 v02r01 – Section C

Test Settings

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

Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

1. All data rates and antenna configurations have been investigated, with tabular data reported for the worst-case data rate and antenna configuration. Only the worst case plot was reported per bandwidth which corresponds to the narrowest 6dB bandwidth.

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.3.1 Antenna 5T 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.62	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.63	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.61	17.59	0.50	Pass
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	18.94	19.05	0.50	Pass
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	18.95	19.09	0.50	Pass
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.96	19.09	0.50	Pass
	5755	151	n (40MHz)	40/40.5 (MCS2)	36.01	35.71	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.04	35.78	0.50	Pass
	5755	151	ax (SU) (40MHz)	49/51.6 (MCS2)	37.80	38.16	0.50	Pass
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	37.82	38.18	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.35	75.73	0.50	Pass
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	76.91	77.90	0.50	Pass

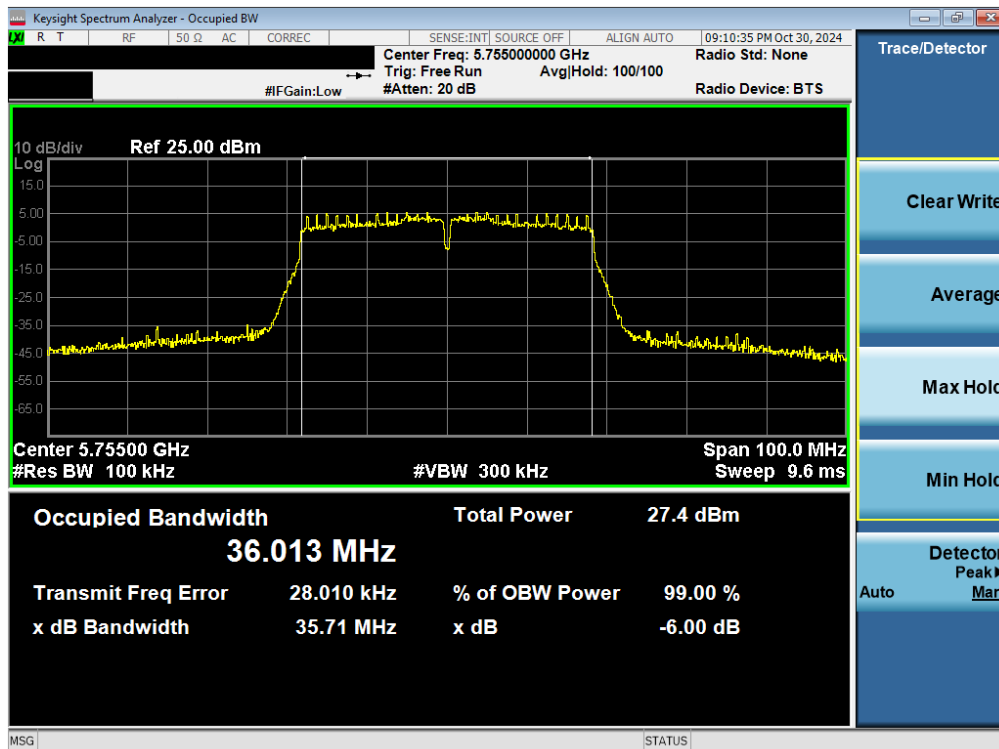
Table 7-5. Conducted Bandwidth Measurements Antenna 5T

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-13. 6dB BW & 99% OBW Antenna 5T (20MHz BW 802.11n – Ch. 165)

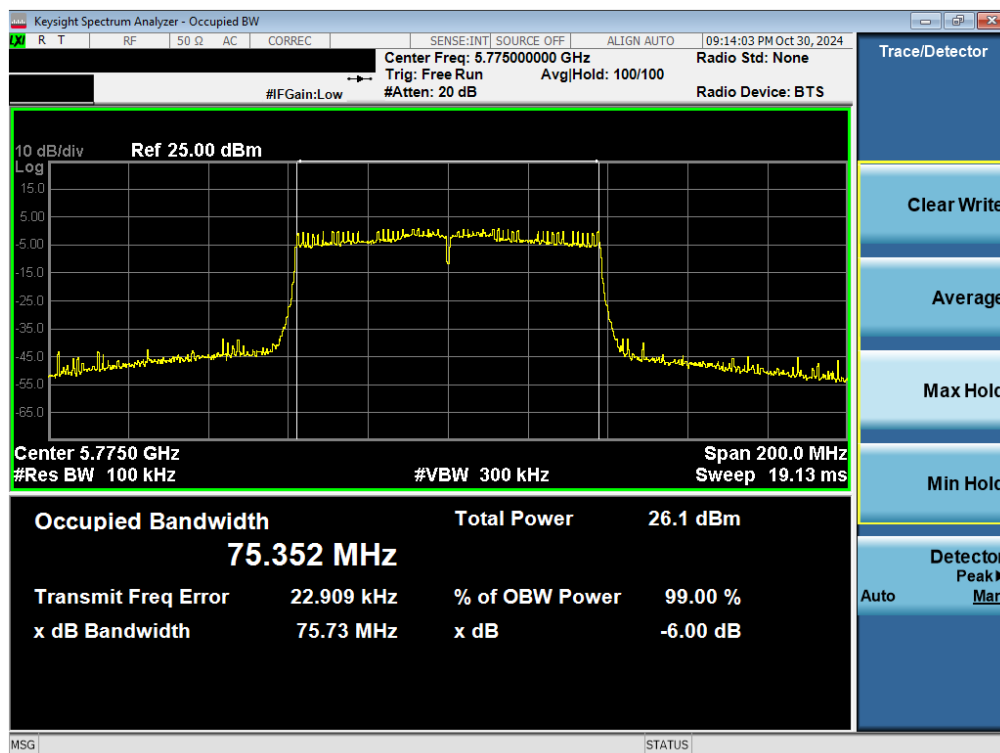


Plot 7-14. 6dB BW & 99% OBW Antenna 5T (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 29 of 270

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Plot 7-15. 6dB BW & 99% OBW Antenna 5T (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 30 of 270

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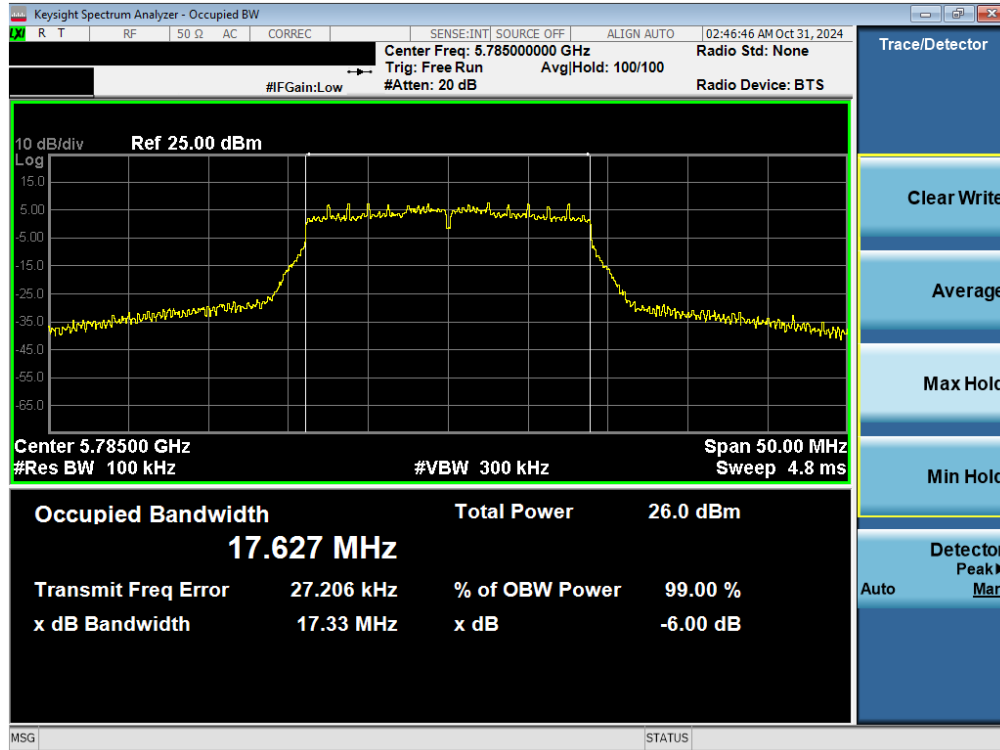
7.3.2 Antenna 3b 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.65	17.64	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.63	17.33	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.35	0.50	Pass
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	18.95	19.06	0.50	Pass
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	18.96	19.07	0.50	Pass
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.96	19.08	0.50	Pass
	5755	151	n (40MHz)	40/40.5 (MCS2)	36.09	36.00	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.11	36.04	0.50	Pass
	5755	151	ax (SU) (40MHz)	49/51.6 (MCS2)	37.84	38.18	0.50	Pass
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	37.83	38.22	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.34	75.77	0.50	Pass
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	76.99	77.98	0.50	Pass

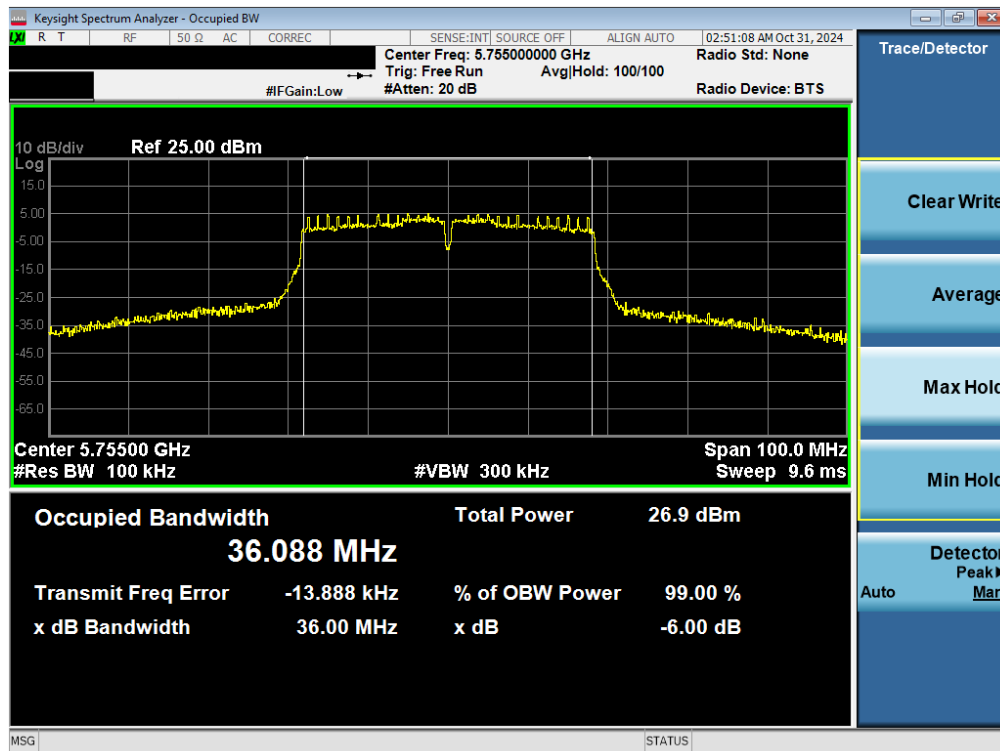
Table 7-6. Conducted Bandwidth Measurements Antenna 3b

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-16. 6dB BW & 99% OBW Antenna 3b (20MHz BW 802.11n – Ch. 157)

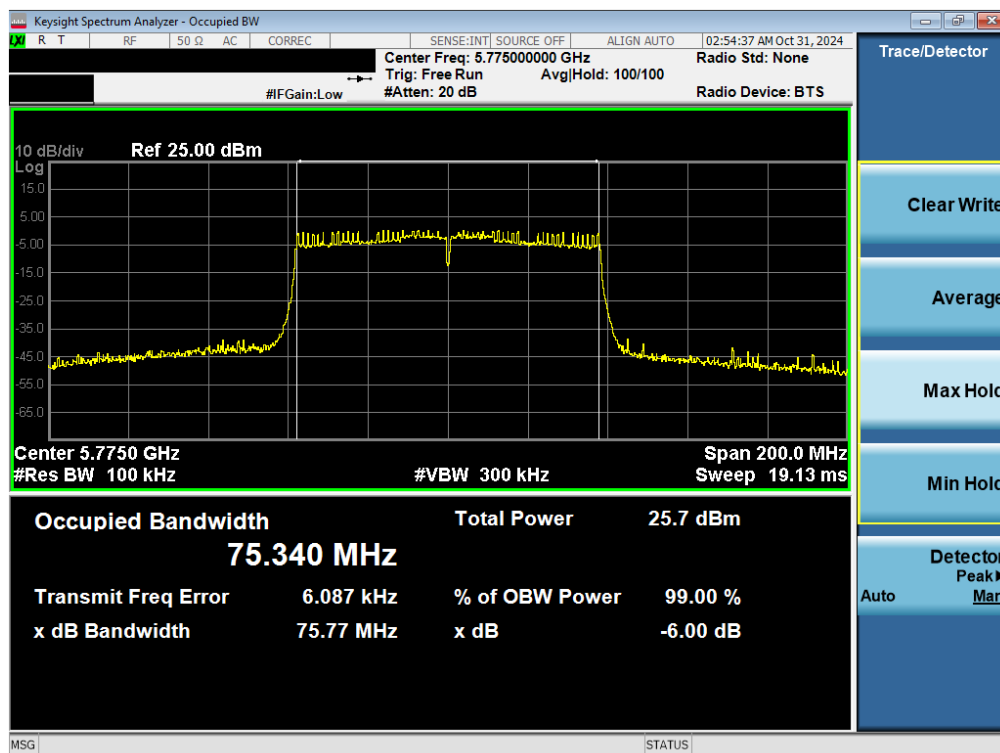


Plot 7-17. 6dB BW & 99% OBW Antenna 3b (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-18. 6dB BW & 99% OBW Antenna 3b (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 33 of 270

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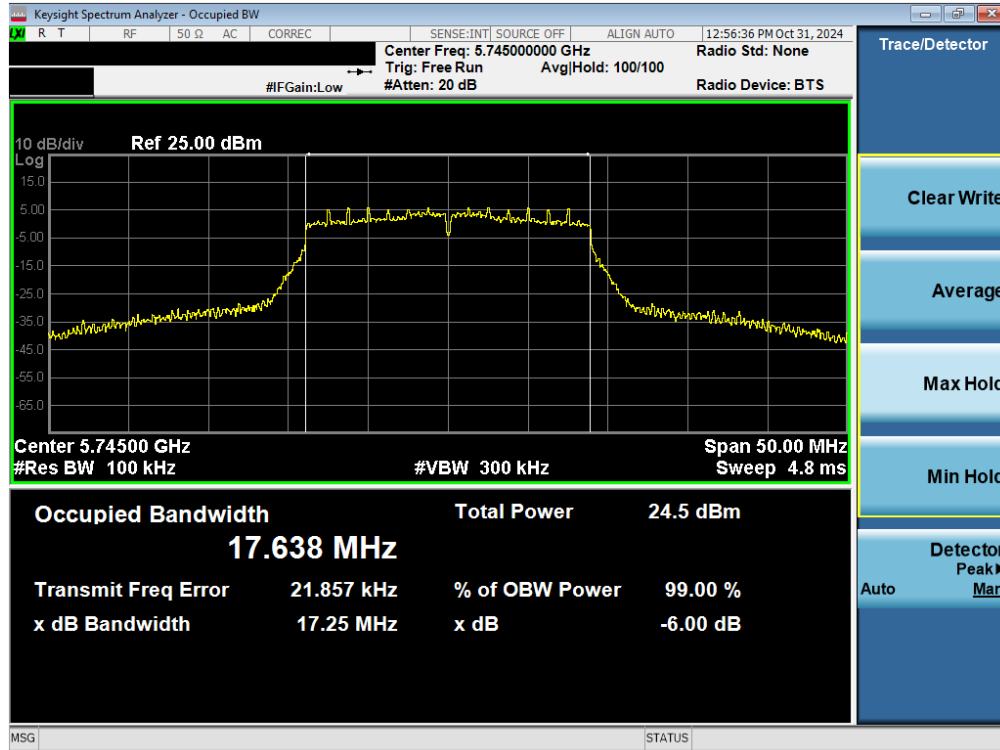
7.3.3 Antenna 1b 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.64	17.25	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.64	17.61	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.63	17.58	0.50	Pass
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	18.96	19.05	0.50	Pass
	5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	19.00	0.50	Pass
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.96	19.07	0.50	Pass
	5755	151	n (40MHz)	40/40.5 (MCS2)	36.07	35.55	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.11	36.00	0.50	Pass
	5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	37.84	38.09	0.50	Pass
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	37.88	38.13	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.34	75.73	0.50	Pass
	5775	155	ax (SU) (80MHz)	567/600.5 (MCS11)	76.89	77.70	0.50	Pass

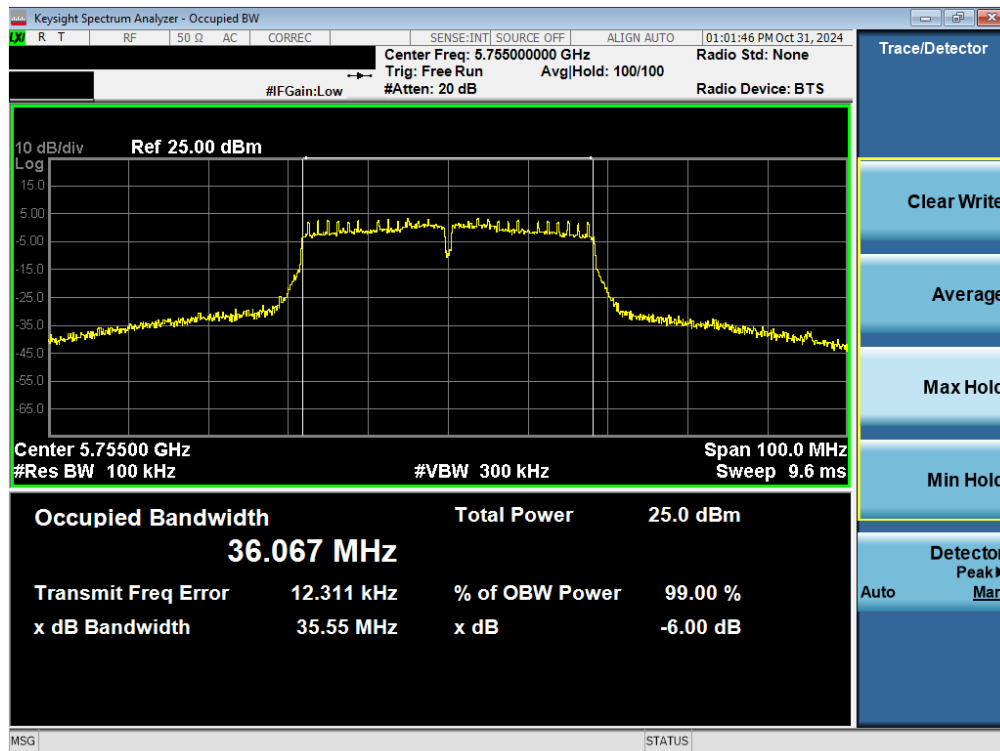
Table 7-7. Conducted Bandwidth Measurements Antenna 1b

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-19. 6dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 149)

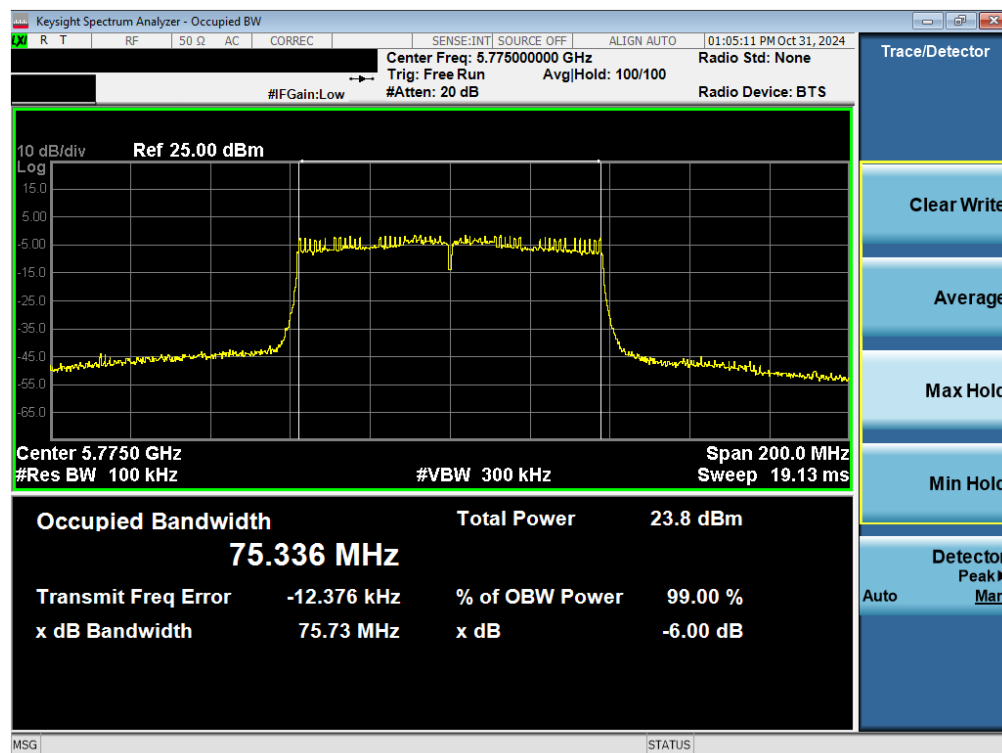


Plot 7-20. 6dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-21. 6dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4 Conducted Output Power and Max EIRP Measurement

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); 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 C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. B is the 99% OBW per ISED RSS-247 and 26dB BW is per FCC 15.407.

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

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

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 \text{ dBm} + 10\log_{10}(B)$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or $17 + 10 \log_{10}B$, 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 C63.10-2020 – Section 12.4.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2020 – Section 14.4 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

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

Test Setup

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



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

- 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: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4.1 FCC Antenna 5T Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	12 (MCS2)	18.25	23.98	-5.73
	5200	40	12 (MCS2)	19.15	23.98	-4.83
	5240	48	12 (MCS2)	19.21	23.98	-4.77
	5260	52	12 (MCS2)	19.42	23.98	-4.56
	5300	60	12 (MCS2)	19.20	23.98	-4.78
	5320	64	12 (MCS2)	18.13	23.98	-5.85
	5500	100	12 (MCS2)	17.42	23.98	-6.56
	5520	104	12 (MCS2)	19.37	23.98	-4.61
	5540	108	12 (MCS2)	19.39	23.98	-4.59
	5580	116	12 (MCS2)	19.14	23.98	-4.84
	5660	132	12 (MCS2)	19.42	23.98	-4.56
	5680	136	12 (MCS2)	18.27	23.98	-5.71
	5700	140	12 (MCS2)	16.73	23.98	-7.25
	5720	144	12 (MCS2)	19.26	23.98	-4.72
	5745	149	12 (MCS2)	19.15	30.00	-10.85
	5785	157	12 (MCS2)	19.47	30.00	-10.53
	5825	165	12 (MCS2)	19.18	30.00	-10.82

Table 7-8. FCC Antenna 5T 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	19.5/21.7 (MCS2)	18.37	23.98	-5.61
	5200	40	19.5/21.7 (MCS2)	19.14	23.98	-4.84
	5240	48	19.5/21.7 (MCS2)	19.20	23.98	-4.78
	5260	52	19.5/21.7 (MCS2)	19.17	23.98	-4.81
	5300	60	19.5/21.7 (MCS2)	19.40	23.98	-4.58
	5320	64	19.5/21.7 (MCS2)	18.11	23.98	-5.87
	5500	100	19.5/21.7 (MCS2)	17.40	23.98	-6.58
	5520	104	19.5/21.7 (MCS2)	19.24	23.98	-4.74
	5540	108	19.5/21.7 (MCS2)	19.28	23.98	-4.70
	5580	116	19.5/21.7 (MCS2)	19.15	23.98	-4.83
	5660	132	19.5/21.7 (MCS2)	19.31	23.98	-4.67
	5680	136	19.5/21.7 (MCS2)	18.15	23.98	-5.83
	5700	140	19.5/21.7 (MCS2)	16.91	23.98	-7.07
	5720	144	19.5/21.7 (MCS2)	19.15	23.98	-4.83
	5745	149	19.5/21.7 (MCS2)	19.24	30.00	-10.76
	5785	157	19.5/21.7 (MCS2)	19.45	30.00	-10.55
	5825	165	19.5/21.7 (MCS2)	19.29	30.00	-10.71

Table 7-9. FCC Antenna 5T 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5180	36	24/25.8 (MCS2)	17.52	23.98	-6.46
	5200	40	24/25.8 (MCS2)	19.39	23.98	-4.59
	5240	48	24/25.8 (MCS2)	19.48	23.98	-4.50
	5260	52	24/25.8 (MCS2)	19.47	23.98	-4.51
	5300	60	24/25.8 (MCS2)	19.23	23.98	-4.75
	5320	64	24/25.8 (MCS2)	17.15	23.98	-6.83
	5500	100	24/25.8 (MCS2)	17.23	23.98	-6.75
	5520	104	24/25.8 (MCS2)	18.24	23.98	-5.74
	5540	108	24/25.8 (MCS2)	19.33	23.98	-4.65
	5580	116	24/25.8 (MCS2)	19.18	23.98	-4.80
	5660	132	24/25.8 (MCS2)	19.47	23.98	-4.51
	5680	136	24/25.8 (MCS2)	18.49	23.98	-5.49
	5700	140	24/25.8 (MCS2)	16.69	23.98	-7.29
	5720	144	24/25.8 (MCS2)	19.21	23.98	-4.77
	5745	149	24/25.8 (MCS2)	19.47	30.00	-10.53
	5785	157	24/25.8 (MCS2)	19.16	30.00	-10.84
	5825	165	24/25.8 (MCS2)	19.27	30.00	-10.73

Table 7-10. FCC Antenna 5T 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n		
	5190	38	40/40.5 (MCS2)	16.15	23.98	-7.83
	5230	46	40/40.5 (MCS2)	19.23	23.98	-4.75
	5270	54	40/40.5 (MCS2)	19.37	23.98	-4.61
	5310	62	40/40.5 (MCS2)	16.72	23.98	-7.26
	5510	102	40/40.5 (MCS2)	16.31	23.98	-7.67
	5550	110	40/40.5 (MCS2)	18.71	23.98	-5.27
	5590	118	40/40.5 (MCS2)	19.27	23.98	-4.71
	5630	126	40/40.5 (MCS2)	19.32	23.98	-4.66
	5670	134	40/40.5 (MCS2)	18.49	23.98	-5.49
	5710	142	40/40.5 (MCS2)	19.48	23.98	-4.50
	5755	151	40/40.5 (MCS2)	19.38	30.00	-10.62
	5795	159	40/40.5 (MCS2)	19.19	30.00	-10.81

Table 7-11. FCC Antenna 5T 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 40 of 270

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5190	38	49/51.6 (MCS2)	15.32	23.98	-8.66
	5230	46	49/51.6 (MCS2)	19.47	23.98	-4.51
	5270	54	49/51.6 (MCS2)	19.18	23.98	-4.80
	5310	62	49/51.6 (MCS2)	16.38	23.98	-7.60
	5510	102	49/51.6 (MCS2)	16.28	23.98	-7.70
	5550	110	49/51.6 (MCS2)	18.06	23.98	-5.92
	5590	118	49/51.6 (MCS2)	19.32	23.98	-4.66
	5630	126	49/51.6 (MCS2)	19.24	23.98	-4.74
	5670	134	49/51.6 (MCS2)	17.62	23.98	-6.36
	5710	142	49/51.6 (MCS2)	19.33	23.98	-4.65
	5755	151	49/51.6 (MCS2)	19.21	30.00	-10.79
	5795	159	49/51.6 (MCS2)	19.24	30.00	-10.76

Table 7-12. FCC Antenna 5T 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5210	42	87.8/97.5 (MCS2)	14.91	23.98	-9.07
	5290	58	87.8/97.5 (MCS2)	16.80	23.98	-7.18
	5530	106	87.8/97.5 (MCS2)	15.96	23.98	-8.02
	5610	122	87.8/97.5 (MCS2)	19.30	23.98	-4.68
	5690	138	87.8/97.5 (MCS2)	19.15	23.98	-4.83
	5775	155	87.8/97.5 (MCS2)	17.70	30.00	-12.31

Table 7-13. FCC Antenna 5T 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5210	42	102/108.1 (MCS2)	14.90	23.98	-9.08
	5290	58	102/108.1 (MCS2)	16.79	23.98	-7.19
	5530	106	102/108.1 (MCS2)	14.31	23.98	-9.67
	5610	122	102/108.1 (MCS2)	18.27	23.98	-5.71
	5690	138	102/108.1 (MCS2)	19.34	23.98	-4.64
	5775	155	102/108.1 (MCS2)	17.30	30.00	-12.70

Table 7-14. FCC Antenna 5T 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5250	50	175.5/195 (MCS2)	13.92	23.98	-10.06
	5570	114	175.5/195 (MCS2)	13.48	23.98	-10.50

Table 7-15. FCC Antenna 5T 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5250	50	204/216.2 (MCS2)	13.87	23.98	-10.11
	5570	114	204/216.2 (MCS2)	13.39	23.98	-10.59

Table 7-16. FCC Antenna 5T 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.2 ISED Antenna 5T Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	12 (MCS2)	18.24	-	-	-2.30	15.94	23.01	-7.07
	5200	40	12 (MCS2)	19.39	-	-	-2.30	17.09	23.01	-5.92
	5240	48	12 (MCS2)	19.44	-	-	-2.30	17.14	23.01	-5.88
	5260	52	12 (MCS2)	19.42	23.98	-4.56	-0.30	19.12	30.00	-10.88
	5300	60	12 (MCS2)	19.20	23.98	-4.78	-0.30	18.90	30.00	-11.10
	5320	64	12 (MCS2)	18.13	23.98	-5.85	-0.30	17.83	30.00	-12.17
	5500	100	12 (MCS2)	17.42	23.98	-6.56	1.60	19.02	30.00	-10.98
	5520	104	12 (MCS2)	19.37	23.98	-4.61	1.60	20.97	30.00	-9.03
	5540	108	12 (MCS2)	19.39	23.98	-4.59	1.60	20.99	30.00	-9.01
	5580	116	12 (MCS2)	19.14	23.98	-4.84	1.60	20.74	30.00	-9.27
	5660	132	12 (MCS2)	19.42	23.98	-4.56	1.60	21.02	30.00	-8.98
	5680	136	12 (MCS2)	18.27	23.98	-5.71	1.60	19.87	30.00	-10.13
	5700	140	12 (MCS2)	16.73	23.98	-7.25	1.60	18.33	30.00	-11.67
	5720	144	12 (MCS2)	19.26	23.98	-4.72	1.60	20.86	30.00	-9.15
	5745	149	12 (MCS2)	19.15	30.00	-10.85	2.30	21.45	-	-
	5785	157	12 (MCS2)	19.47	30.00	-10.53	2.30	21.77	-	-
	5825	165	12 (MCS2)	19.18	30.00	-10.82	2.30	21.48	-	-

Table 7-17. ISED Antenna 5T 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	19.5/21.7 (MCS2)	18.17	-	-	-2.30	15.87	23.01	-7.14
	5200	40	19.5/21.7 (MCS2)	19.21	-	-	-2.30	16.91	23.01	-6.10
	5240	48	19.5/21.7 (MCS2)	19.27	-	-	-2.30	16.97	23.01	-6.04
	5260	52	19.5/21.7 (MCS2)	19.17	23.98	-4.81	-0.30	18.87	30.00	-11.13
	5300	60	19.5/21.7 (MCS2)	19.40	23.98	-4.58	-0.30	19.10	30.00	-10.90
	5320	64	19.5/21.7 (MCS2)	18.11	23.98	-5.87	-0.30	17.81	30.00	-12.19
	5500	100	19.5/21.7 (MCS2)	17.40	23.98	-6.58	1.60	19.00	30.00	-11.00
	5520	104	19.5/21.7 (MCS2)	19.24	23.98	-4.74	1.60	20.84	30.00	-9.16
	5540	108	19.5/21.7 (MCS2)	19.28	23.98	-4.70	1.60	20.88	30.00	-9.12
	5580	116	19.5/21.7 (MCS2)	19.15	23.98	-4.83	1.60	20.75	30.00	-9.25
	5660	132	19.5/21.7 (MCS2)	19.31	23.98	-4.67	1.60	20.91	30.00	-9.09
	5680	136	19.5/21.7 (MCS2)	18.15	23.98	-5.83	1.60	19.75	30.00	-10.25
	5700	140	19.5/21.7 (MCS2)	16.91	23.98	-7.07	1.60	18.51	30.00	-11.50
	5720	144	19.5/21.7 (MCS2)	19.15	23.98	-4.83	1.60	20.75	30.00	-9.25
	5745	149	19.5/21.7 (MCS2)	19.24	30.00	-10.76	2.30	21.54	-	-
	5785	157	19.5/21.7 (MCS2)	19.45	30.00	-10.55	2.30	21.75	-	-
	5825	165	19.5/21.7 (MCS2)	19.29	30.00	-10.71	2.30	21.59	-	-

Table 7-18. ISED Antenna 5T 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	24/25.8 (MCS2)	17.54	-	-	-2.30	15.24	23.01	-7.77
	5200	40	24/25.8 (MCS2)	19.48	-	-	-2.30	17.18	23.01	-5.83
	5240	48	24/25.8 (MCS2)	19.37	-	-	-2.30	17.07	23.01	-5.94
	5260	52	24/25.8 (MCS2)	19.47	23.98	-4.51	-0.30	19.17	30.00	-10.83
	5300	60	24/25.8 (MCS2)	19.23	23.98	-4.75	-0.30	18.93	30.00	-11.07
	5320	64	24/25.8 (MCS2)	17.15	23.98	-6.83	-0.30	16.85	30.00	-13.15
	5500	100	24/25.8 (MCS2)	17.23	23.98	-6.75	1.60	18.83	30.00	-11.17
	5520	104	24/25.8 (MCS2)	18.24	23.98	-5.74	1.60	19.84	30.00	-10.16
	5540	108	24/25.8 (MCS2)	19.33	23.98	-4.65	1.60	20.93	30.00	-9.07
	5580	116	24/25.8 (MCS2)	19.18	23.98	-4.80	1.60	20.78	30.00	-9.22
	5660	132	24/25.8 (MCS2)	19.47	23.98	-4.51	1.60	21.07	30.00	-8.93
	5680	136	24/25.8 (MCS2)	18.49	23.98	-5.49	1.60	20.09	30.00	-9.91
	5700	140	24/25.8 (MCS2)	16.69	23.98	-7.29	1.60	18.29	30.00	-11.71
	5720	144	24/25.8 (MCS2)	19.21	23.98	-4.77	1.60	20.81	30.00	-9.19
	5745	149	24/25.8 (MCS2)	19.47	30.00	-10.53	2.30	21.77	-	-
	5785	157	24/25.8 (MCS2)	19.16	30.00	-10.84	2.30	21.46	-	-
	5825	165	24/25.8 (MCS2)	19.27	30.00	-10.73	2.30	21.57	-	-

Table 7-19. ISED Antenna 5T 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	40/40.5 (MCS2)	16.31	-	-	-2.30	14.01	23.01	-9.01
	5230	46	40/40.5 (MCS2)	19.35	-	-	-2.30	17.05	23.01	-5.96
	5270	54	40/40.5 (MCS2)	19.37	23.98	-4.61	-0.30	19.07	30.00	-10.93
	5310	62	40/40.5 (MCS2)	16.72	23.98	-7.26	-0.30	16.42	30.00	-13.58
	5510	102	40/40.5 (MCS2)	16.31	23.98	-7.67	1.60	17.91	30.00	-12.09
	5550	110	40/40.5 (MCS2)	18.71	23.98	-5.27	1.60	20.31	30.00	-9.69
	5670	134	40/40.5 (MCS2)	18.49	23.98	-5.49	1.60	20.09	30.00	-9.91
	5710	142	40/40.5 (MCS2)	19.48	23.98	-4.50	1.60	21.08	30.00	-8.93
	5755	151	40/40.5 (MCS2)	19.38	30.00	-10.62	2.30	21.68	-	-
	5795	159	40/40.5 (MCS2)	19.19	30.00	-10.81	2.30	21.49	-	-

Table 7-20. ISED Antenna 5T 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	49/51.6 (MCS2)	15.22	-	-	-2.30	12.92	23.01	-10.09
	5230	46	49/51.6 (MCS2)	19.41	-	-	-2.30	17.11	23.01	-5.90
	5270	54	49/51.6 (MCS2)	19.18	23.98	-4.80	-0.30	18.88	30.00	-11.12
	5310	62	49/51.6 (MCS2)	16.38	23.98	-7.60	-0.30	16.08	30.00	-13.92
	5510	102	49/51.6 (MCS2)	16.28	23.98	-7.70	1.60	17.88	30.00	-12.12
	5550	110	49/51.6 (MCS2)	18.06	23.98	-5.92	1.60	19.66	30.00	-10.34
	5670	134	49/51.6 (MCS2)	17.62	23.98	-6.36	1.60	19.22	30.00	-10.78
	5710	142	49/51.6 (MCS2)	19.33	23.98	-4.65	1.60	20.93	30.00	-9.07
	5755	151	49/51.6 (MCS2)	19.21	30.00	-10.79	2.30	21.51	-	-
	5795	159	49/51.6 (MCS2)	19.24	30.00	-10.76	2.30	21.54	-	-

Table 7-21. ISED Antenna 5T 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ac						
	5210	42	87.8/97.5 (MCS2)	14.68	-	-	-2.30	12.38	23.01	-10.63
	5290	58	87.8/97.5 (MCS2)	16.80	23.98	-7.18	-0.30	16.50	30.00	-13.50
	5530	106	87.8/97.5 (MCS2)	15.96	23.98	-8.02	1.60	17.56	30.00	-12.44
	5690	138	87.8/97.5 (MCS2)	19.15	23.98	-4.83	1.60	20.75	30.00	-9.25
	5775	155	87.8/97.5 (MCS2)	17.70	30.00	-12.31	2.30	20.00	-	-

Table 7-22. ISED Antenna 5T 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ax						
	5210	42	102/108.1 (MCS2)	14.98	-	-	-2.30	12.68	23.01	-10.33
	5290	58	102/108.1 (MCS2)	16.79	23.98	-7.19	-0.30	16.49	30.00	-13.51
	5530	106	102/108.1 (MCS2)	14.31	23.98	-9.67	1.60	15.91	30.00	-14.09
	5690	138	102/108.1 (MCS2)	19.34	23.98	-4.64	1.60	20.94	30.00	-9.06
	5775	155	102/108.1 (MCS2)	17.30	30.00	-12.70	2.30	19.60	-	-

Table 7-23. ISED Antenna 5T 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ac						
	5250	50	175.5/195 (MCS2)	13.72	23.98	-10.26	-2.30	11.42	23.01	-11.59

Table 7-24. ISED Antenna 5T 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ax						
	5250	50	204/216.2 (MCS2)	13.75	23.98	-10.23	-2.30	11.45	23.01	-11.56

Table 7-25. ISED Antenna 5T 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.3 FCC Antenna 3b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	12 (MCS2)	18.40	23.98	-5.58
	5200	40	12 (MCS2)	19.25	23.98	-4.73
	5240	48	12 (MCS2)	19.38	23.98	-4.60
	5260	52	12 (MCS2)	19.28	23.98	-4.70
	5300	60	12 (MCS2)	19.13	23.98	-4.85
	5320	64	12 (MCS2)	18.39	23.98	-5.59
	5500	100	12 (MCS2)	17.41	23.98	-6.57
	5520	104	12 (MCS2)	19.38	23.98	-4.60
	5540	108	12 (MCS2)	19.35	23.98	-4.63
	5580	116	12 (MCS2)	19.30	23.98	-4.68
	5660	132	12 (MCS2)	19.17	23.98	-4.81
	5680	136	12 (MCS2)	18.17	23.98	-5.81
	5700	140	12 (MCS2)	16.64	23.98	-7.34
	5720	144	12 (MCS2)	19.15	23.98	-4.83
	5745	149	12 (MCS2)	19.28	30.00	-10.72
	5785	157	12 (MCS2)	19.29	30.00	-10.71
	5825	165	12 (MCS2)	19.33	30.00	-10.67

Table 7-26. FCC Antenna 3b 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	19.5/21.7 (MCS2)	18.29	23.98	-5.69
	5200	40	19.5/21.7 (MCS2)	19.29	23.98	-4.69
	5240	48	19.5/21.7 (MCS2)	19.36	23.98	-4.62
	5260	52	19.5/21.7 (MCS2)	19.34	23.98	-4.64
	5300	60	19.5/21.7 (MCS2)	19.39	23.98	-4.59
	5320	64	19.5/21.7 (MCS2)	18.22	23.98	-5.76
	5500	100	19.5/21.7 (MCS2)	17.18	23.98	-6.80
	5520	104	19.5/21.7 (MCS2)	19.27	23.98	-4.71
	5540	108	19.5/21.7 (MCS2)	19.21	23.98	-4.77
	5580	116	19.5/21.7 (MCS2)	19.36	23.98	-4.62
	5660	132	19.5/21.7 (MCS2)	19.28	23.98	-4.70
	5680	136	19.5/21.7 (MCS2)	18.26	23.98	-5.72
	5700	140	19.5/21.7 (MCS2)	16.86	23.98	-7.12
	5720	144	19.5/21.7 (MCS2)	19.24	23.98	-4.74
	5745	149	19.5/21.7 (MCS2)	19.41	30.00	-10.59
	5785	157	19.5/21.7 (MCS2)	19.40	30.00	-10.60
	5825	165	19.5/21.7 (MCS2)	19.43	30.00	-10.57

Table 7-27. FCC Antenna 3b 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	24/25.8 (MCS2)	17.46	23.98	-6.52
	5200	40	24/25.8 (MCS2)	19.14	23.98	-4.84
	5240	48	24/25.8 (MCS2)	19.17	23.98	-4.81
	5260	52	24/25.8 (MCS2)	19.41	23.98	-4.57
	5300	60	24/25.8 (MCS2)	19.15	23.98	-4.83
	5320	64	24/25.8 (MCS2)	17.49	23.98	-6.49
	5500	100	24/25.8 (MCS2)	17.25	23.98	-6.73
	5520	104	24/25.8 (MCS2)	18.02	23.98	-5.96
	5540	108	24/25.8 (MCS2)	19.47	23.98	-4.51
	5580	116	24/25.8 (MCS2)	19.14	23.98	-4.84
	5660	132	24/25.8 (MCS2)	19.38	23.98	-4.60
	5680	136	24/25.8 (MCS2)	18.20	23.98	-5.78
	5700	140	24/25.8 (MCS2)	16.93	23.98	-7.05
	5720	144	24/25.8 (MCS2)	19.42	23.98	-4.56
	5745	149	24/25.8 (MCS2)	19.15	30.00	-10.85
	5785	157	24/25.8 (MCS2)	19.12	30.00	-10.88
	5825	165	24/25.8 (MCS2)	19.25	30.00	-10.75

Table 7-28. FCC Antenna 3b 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	40/40.5 (MCS2)	16.43	23.98	-7.55
	5230	46	40/40.5 (MCS2)	19.41	23.98	-4.57
	5270	54	40/40.5 (MCS2)	19.15	23.98	-4.83
	5310	62	40/40.5 (MCS2)	16.66	23.98	-7.32
	5510	102	40/40.5 (MCS2)	16.39	23.98	-7.59
	5550	110	40/40.5 (MCS2)	18.74	23.98	-5.24
	5590	118	40/40.5 (MCS2)	19.19	23.98	-4.79
	5630	126	40/40.5 (MCS2)	19.41	23.98	-4.57
	5670	134	40/40.5 (MCS2)	18.46	23.98	-5.52
	5710	142	40/40.5 (MCS2)	19.23	23.98	-4.75
	5755	151	40/40.5 (MCS2)	19.49	30.00	-10.52
	5795	159	40/40.5 (MCS2)	19.44	30.00	-10.56

Table 7-29. FCC Antenna 3b 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5190	38	49/51.6 (MCS2)	15.32	23.98	-8.66
	5230	46	49/51.6 (MCS2)	19.47	23.98	-4.51
	5270	54	49/51.6 (MCS2)	19.18	23.98	-4.80
	5310	62	49/51.6 (MCS2)	16.38	23.98	-7.60
	5510	102	49/51.6 (MCS2)	16.28	23.98	-7.70
	5550	110	49/51.6 (MCS2)	18.06	23.98	-5.92
	5590	118	49/51.6 (MCS2)	19.32	23.98	-4.66
	5630	126	49/51.6 (MCS2)	19.24	23.98	-4.74
	5670	134	49/51.6 (MCS2)	17.62	23.98	-6.36
	5710	142	49/51.6 (MCS2)	19.33	23.98	-4.65
	5755	151	49/51.6 (MCS2)	19.21	30.00	-10.79
	5795	159	49/51.6 (MCS2)	19.24	30.00	-10.76

Table 7-30. FCC Antenna 3b 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5210	42	87.8/97.5 (MCS2)	15.19	23.98	-8.79
	5290	58	87.8/97.5 (MCS2)	16.99	23.98	-6.99
	5530	106	87.8/97.5 (MCS2)	15.74	23.98	-8.24
	5610	122	87.8/97.5 (MCS2)	19.15	23.98	-4.83
	5690	138	87.8/97.5 (MCS2)	19.20	23.98	-4.78
	5775	155	87.8/97.5 (MCS2)	17.54	30.00	-12.46

Table 7-31. FCC Antenna 3b 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5210	42	102/108.1 (MCS2)	14.65	23.98	-9.33
	5290	58	102/108.1 (MCS2)	17.00	23.98	-6.98
	5530	106	102/108.1 (MCS2)	14.25	23.98	-9.73
	5610	122	102/108.1 (MCS2)	18.09	23.98	-5.89
	5690	138	102/108.1 (MCS2)	19.36	23.98	-4.62
	5775	155	102/108.1 (MCS2)	17.30	30.00	-12.70

Table 7-32. FCC Antenna 3b 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5250	50	175.5/195 (MCS2)	13.94	23.98	-10.04
	5570	114	175.5/195 (MCS2)	13.28	23.98	-10.70

Table 7-33. FCC Antenna 3b 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5250	50	204/216.2 (MCS2)	13.93	23.98	-10.05
	5570	114	204/216.2 (MCS2)	13.31	23.98	-10.67

Table 7-34. FCC Antenna 3b 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.4 ISED Antenna 3b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	12 (MCS2)	18.22	-	-	-1.40	16.82	23.01	-6.19
	5200	40	12 (MCS2)	19.43	-	-	-1.40	18.03	23.01	-4.98
	5240	48	12 (MCS2)	19.16	-	-	-1.40	17.76	23.01	-5.25
	5260	52	12 (MCS2)	19.28	23.98	-4.70	-0.60	18.68	30.00	-11.32
	5300	60	12 (MCS2)	19.13	23.98	-4.85	-0.60	18.53	30.00	-11.47
	5320	64	12 (MCS2)	18.39	23.98	-5.59	-0.60	17.79	30.00	-12.21
	5500	100	12 (MCS2)	17.41	23.98	-6.57	0.90	18.31	30.00	-11.69
	5520	104	12 (MCS2)	19.38	23.98	-4.60	0.90	20.28	30.00	-9.72
	5540	108	12 (MCS2)	19.35	23.98	-4.63	0.90	20.25	30.00	-9.76
	5580	116	12 (MCS2)	19.30	23.98	-4.68	0.90	20.20	30.00	-9.80
	5660	132	12 (MCS2)	19.17	23.98	-4.81	0.90	20.07	30.00	-9.93
	5680	136	12 (MCS2)	18.17	23.98	-5.81	0.90	19.07	30.00	-10.93
	5700	140	12 (MCS2)	16.64	23.98	-7.34	0.90	17.54	30.00	-12.46
	5720	144	12 (MCS2)	19.15	23.98	-4.83	0.90	20.05	30.00	-9.96
	5745	149	12 (MCS2)	19.28	30.00	-10.72	1.30	20.58	-	-
	5785	157	12 (MCS2)	19.29	30.00	-10.71	1.30	20.59	-	-
	5825	165	12 (MCS2)	19.33	30.00	-10.67	1.30	20.63	-	-

Table 7-35. ISED Antenna 3b 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	19.5/21.7 (MCS2)	18.25	-	-	-1.40	16.85	23.01	-6.16
	5200	40	19.5/21.7 (MCS2)	19.34	-	-	-1.40	17.94	23.01	-5.07
	5240	48	19.5/21.7 (MCS2)	19.43	-	-	-1.40	18.03	23.01	-4.98
	5260	52	19.5/21.7 (MCS2)	19.34	23.98	-4.64	-0.60	18.74	30.00	-11.26
	5300	60	19.5/21.7 (MCS2)	19.39	23.98	-4.59	-0.60	18.79	30.00	-11.21
	5320	64	19.5/21.7 (MCS2)	18.22	23.98	-5.76	-0.60	17.62	30.00	-12.39
	5500	100	19.5/21.7 (MCS2)	17.18	23.98	-6.80	0.90	18.08	30.00	-11.92
	5520	104	19.5/21.7 (MCS2)	19.27	23.98	-4.71	0.90	20.17	30.00	-9.83
	5540	108	19.5/21.7 (MCS2)	19.21	23.98	-4.77	0.90	20.11	30.00	-9.89
	5580	116	19.5/21.7 (MCS2)	19.36	23.98	-4.62	0.90	20.26	30.00	-9.74
	5660	132	19.5/21.7 (MCS2)	19.28	23.98	-4.70	0.90	20.18	30.00	-9.82
	5680	136	19.5/21.7 (MCS2)	18.26	23.98	-5.72	0.90	19.16	30.00	-10.84
	5700	140	19.5/21.7 (MCS2)	16.86	23.98	-7.12	0.90	17.76	30.00	-12.25
	5720	144	19.5/21.7 (MCS2)	19.24	23.98	-4.74	0.90	20.14	30.00	-9.86
	5745	149	19.5/21.7 (MCS2)	19.41	30.00	-10.59	1.30	20.71	-	-
	5785	157	19.5/21.7 (MCS2)	19.40	30.00	-10.60	1.30	20.70	-	-
	5825	165	19.5/21.7 (MCS2)	19.43	30.00	-10.57	1.30	20.73	-	-

Table 7-36. ISED Antenna 3b 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	24/25.8 (MCS2)	17.62	-	-	-1.40	16.22	23.01	-6.79
	5200	40	24/25.8 (MCS2)	19.13	-	-	-1.40	17.73	23.01	-5.28
	5240	48	24/25.8 (MCS2)	19.22	-	-	-1.40	17.82	23.01	-5.19
	5260	52	24/25.8 (MCS2)	19.41	23.98	-4.57	-0.60	18.81	30.00	-11.19
	5300	60	24/25.8 (MCS2)	19.15	23.98	-4.83	-0.60	18.55	30.00	-11.45
	5320	64	24/25.8 (MCS2)	17.49	23.98	-6.49	-0.60	16.89	30.00	-13.11
	5500	100	24/25.8 (MCS2)	17.25	23.98	-6.73	0.90	18.15	30.00	-11.85
	5520	104	24/25.8 (MCS2)	18.02	23.98	-5.96	0.90	18.92	30.00	-11.08
	5540	108	24/25.8 (MCS2)	19.47	23.98	-4.51	0.90	20.37	30.00	-9.63
	5580	116	24/25.8 (MCS2)	19.14	23.98	-4.84	0.90	20.04	30.00	-9.96
	5660	132	24/25.8 (MCS2)	19.38	23.98	-4.60	0.90	20.28	30.00	-9.72
	5680	136	24/25.8 (MCS2)	18.20	23.98	-5.78	0.90	19.10	30.00	-10.91
	5700	140	24/25.8 (MCS2)	16.93	23.98	-7.05	0.90	17.83	30.00	-12.17
	5720	144	24/25.8 (MCS2)	19.42	23.98	-4.56	0.90	20.32	30.00	-9.68
	5745	149	24/25.8 (MCS2)	19.15	30.00	-10.85	1.30	20.45	-	-
	5785	157	24/25.8 (MCS2)	19.12	30.00	-10.88	1.30	20.42	-	-
	5825	165	24/25.8 (MCS2)	19.25	30.00	-10.75	1.30	20.55	-	-

Table 7-37. ISED Antenna 3b 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	40/40.5 (MCS2)	16.19	-	-	-1.40	14.79	23.01	-8.22
	5230	46	40/40.5 (MCS2)	19.47	-	-	-1.40	18.07	23.01	-4.94
	5270	54	40/40.5 (MCS2)	19.15	23.98	-4.83	-0.60	18.55	30.00	-11.45
	5310	62	40/40.5 (MCS2)	16.66	23.98	-7.32	-0.60	16.06	30.00	-13.94
	5510	102	40/40.5 (MCS2)	16.39	23.98	-7.59	0.90	17.29	30.00	-12.71
	5550	110	40/40.5 (MCS2)	18.74	23.98	-5.24	0.90	19.64	30.00	-10.36
	5670	134	40/40.5 (MCS2)	18.46	23.98	-5.52	0.90	19.36	30.00	-10.64
	5710	142	40/40.5 (MCS2)	19.23	23.98	-4.75	0.90	20.13	30.00	-9.87
	5755	151	40/40.5 (MCS2)	19.49	30.00	-10.52	1.30	20.79	-	-
	5795	159	40/40.5 (MCS2)	19.44	30.00	-10.56	1.30	20.74	-	-

Table 7-38. ISED Antenna 3b 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	49/51.6 (MCS2)	15.22	-	-	-1.40	13.82	23.01	-9.19
	5230	46	49/51.6 (MCS2)	19.41	-	-	-1.40	18.01	23.01	-5.00
	5270	54	49/51.6 (MCS2)	19.18	23.98	-4.80	-0.60	18.58	30.00	-11.42
	5310	62	49/51.6 (MCS2)	16.38	23.98	-7.60	-0.60	15.78	30.00	-14.22
	5510	102	49/51.6 (MCS2)	16.28	23.98	-7.70	0.90	17.18	30.00	-12.82
	5550	110	49/51.6 (MCS2)	18.06	23.98	-5.92	0.90	18.96	30.00	-11.04
	5670	134	49/51.6 (MCS2)	17.62	23.98	-6.36	0.90	18.52	30.00	-11.48
	5710	142	49/51.6 (MCS2)	19.33	23.98	-4.65	0.90	20.23	30.00	-9.77
	5755	151	49/51.6 (MCS2)	19.21	30.00	-10.79	1.30	20.51	-	-
	5795	159	49/51.6 (MCS2)	19.24	30.00	-10.76	1.30	20.54	-	-

Table 7-39. ISED Antenna 3b 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ac						
	5210	42	87.8/97.5 (MCS2)	14.62	-	-	-1.40	13.22	23.01	-9.79
	5290	58	87.8/97.5 (MCS2)	16.99	23.98	-6.99	-0.60	16.39	30.00	-13.61
	5530	106	87.8/97.5 (MCS2)	15.74	23.98	-8.24	0.90	16.64	30.00	-13.36
	5690	138	87.8/97.5 (MCS2)	19.20	23.98	-4.78	0.90	20.10	30.00	-9.91
	5775	155	87.8/97.5 (MCS2)	17.54	30.00	-12.46	1.30	18.84	-	-

Table 7-40. ISED Antenna 3b 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ax						
	5210	42	102/108.1 (MCS2)	14.87	-	-	-1.40	13.47	23.01	-9.54
	5290	58	102/108.1 (MCS2)	17.00	23.98	-6.98	-0.60	16.40	30.00	-13.60
	5530	106	102/108.1 (MCS2)	14.25	23.98	-9.73	0.90	15.15	30.00	-14.86
	5690	138	102/108.1 (MCS2)	19.36	23.98	-4.62	0.90	20.26	30.00	-9.74
	5775	155	102/108.1 (MCS2)	17.30	30.00	-12.70	1.30	18.60	-	-

Table 7-41. ISED Antenna 3b 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ac						
	5250	50	175.5/195 (MCS2)	13.84	23.98	-10.14	-1.40	12.44	23.01	-10.57

Table 7-42. ISED Antenna 3b 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ax						
	5250	50	204/216.2 (MCS2)	13.95	23.98	-10.03	-1.40	12.55	23.01	-10.46

Table 7-43. ISED Antenna 3b 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.5 FCC Antenna 1b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	12 (MCS2)	16.68	23.98	-7.30
	5200	40	12 (MCS2)	17.71	23.98	-6.27
	5240	48	12 (MCS2)	17.57	23.98	-6.41
	5260	52	12 (MCS2)	17.44	23.98	-6.54
	5300	60	12 (MCS2)	17.55	23.98	-6.43
	5320	64	12 (MCS2)	16.55	23.98	-7.43
	5500	100	12 (MCS2)	15.54	23.98	-8.44
	5520	104	12 (MCS2)	17.47	23.98	-6.51
	5540	108	12 (MCS2)	17.46	23.98	-6.52
	5580	116	12 (MCS2)	17.67	23.98	-6.31
	5660	132	12 (MCS2)	17.38	23.98	-6.60
	5680	136	12 (MCS2)	16.68	23.98	-7.30
	5700	140	12 (MCS2)	15.05	23.98	-8.93
	5720	144	12 (MCS2)	17.35	23.98	-6.63
	5745	149	12 (MCS2)	17.38	30.00	-12.62
	5785	157	12 (MCS2)	17.51	30.00	-12.49
	5825	165	12 (MCS2)	17.57	30.00	-12.43

Table 7-44. FCC Antenna 1b 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	19.5/21.7 (MCS2)	16.66	23.98	-7.32
	5200	40	19.5/21.7 (MCS2)	17.67	23.98	-6.31
	5240	48	19.5/21.7 (MCS2)	17.62	23.98	-6.36
	5260	52	19.5/21.7 (MCS2)	17.56	23.98	-6.42
	5300	60	19.5/21.7 (MCS2)	17.57	23.98	-6.41
	5320	64	19.5/21.7 (MCS2)	16.67	23.98	-7.31
	5500	100	19.5/21.7 (MCS2)	15.71	23.98	-8.27
	5520	104	19.5/21.7 (MCS2)	17.36	23.98	-6.62
	5540	108	19.5/21.7 (MCS2)	17.54	23.98	-6.44
	5580	116	19.5/21.7 (MCS2)	17.50	23.98	-6.48
	5660	132	19.5/21.7 (MCS2)	17.53	23.98	-6.45
	5680	136	19.5/21.7 (MCS2)	16.54	23.98	-7.44
	5700	140	19.5/21.7 (MCS2)	14.96	23.98	-9.02
	5720	144	19.5/21.7 (MCS2)	17.68	23.98	-6.30
	5745	149	19.5/21.7 (MCS2)	17.73	30.00	-12.27
	5785	157	19.5/21.7 (MCS2)	17.57	30.00	-12.43
	5825	165	19.5/21.7 (MCS2)	17.64	30.00	-12.36

Table 7-45. FCC Antenna 1b 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5180	36	24/25.8 (MCS2)	15.60	23.98	-8.38
	5200	40	24/25.8 (MCS2)	17.60	23.98	-6.38
	5240	48	24/25.8 (MCS2)	17.57	23.98	-6.41
	5260	52	24/25.8 (MCS2)	17.53	23.98	-6.45
	5300	60	24/25.8 (MCS2)	17.43	23.98	-6.55
	5320	64	24/25.8 (MCS2)	15.45	23.98	-8.53
	5500	100	24/25.8 (MCS2)	15.53	23.98	-8.45
	5520	104	24/25.8 (MCS2)	16.22	23.98	-7.76
	5540	108	24/25.8 (MCS2)	17.48	23.98	-6.50
	5580	116	24/25.8 (MCS2)	17.68	23.98	-6.30
	5660	132	24/25.8 (MCS2)	17.38	23.98	-6.59
	5680	136	24/25.8 (MCS2)	16.51	23.98	-7.47
	5700	140	24/25.8 (MCS2)	15.13	23.98	-8.85
	5720	144	24/25.8 (MCS2)	17.44	23.98	-6.54
	5745	149	24/25.8 (MCS2)	17.49	30.00	-12.51
	5785	157	24/25.8 (MCS2)	17.57	30.00	-12.43
	5825	165	24/25.8 (MCS2)	17.50	30.00	-12.50

Table 7-46. FCC Antenna 1b 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11n		
	5190	38	40/40.5 (MCS2)	14.37	23.98	-9.61
	5230	46	40/40.5 (MCS2)	17.45	23.98	-6.53
	5270	54	40/40.5 (MCS2)	17.59	23.98	-6.39
	5310	62	40/40.5 (MCS2)	14.94	23.98	-9.04
	5510	102	40/40.5 (MCS2)	14.60	23.98	-9.38
	5550	110	40/40.5 (MCS2)	17.12	23.98	-6.86
	5590	118	40/40.5 (MCS2)	17.60	23.98	-6.38
	5630	126	40/40.5 (MCS2)	17.48	23.98	-6.50
	5670	134	40/40.5 (MCS2)	16.62	23.98	-7.36
	5710	142	40/40.5 (MCS2)	17.50	23.98	-6.48
	5755	151	40/40.5 (MCS2)	17.64	23.98	-6.34
	5795	159	40/40.5 (MCS2)	17.52	23.98	-6.46

Table 7-47. FCC Antenna 1b 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5190	38	49/51.6 (MCS2)	13.50	23.98	-10.48
	5230	46	49/51.6 (MCS2)	17.48	23.98	-6.50
	5270	54	49/51.6 (MCS2)	17.67	23.98	-6.31
	5310	62	49/51.6 (MCS2)	14.75	23.98	-9.23
	5510	102	49/51.6 (MCS2)	14.62	23.98	-9.36
	5550	110	49/51.6 (MCS2)	16.41	23.98	-7.57
	5590	118	49/51.6 (MCS2)	17.37	23.98	-6.61
	5630	126	49/51.6 (MCS2)	17.61	23.98	-6.37
	5670	134	49/51.6 (MCS2)	15.96	23.98	-8.02
	5710	142	49/51.6 (MCS2)	17.60	23.98	-6.38
	5755	151	49/51.6 (MCS2)	17.66	30.00	-12.34
	5795	159	49/51.6 (MCS2)	17.53	30.00	-12.47

Table 7-48. FCC Antenna 1b 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5210	42	87.8/97.5 (MCS2)	13.12	23.98	-10.86
	5290	58	87.8/97.5 (MCS2)	14.92	23.98	-9.06
	5530	106	87.8/97.5 (MCS2)	14.25	23.98	-9.73
	5610	122	87.8/97.5 (MCS2)	17.54	23.98	-6.44
	5690	138	87.8/97.5 (MCS2)	17.63	23.98	-6.35
	5775	155	87.8/97.5 (MCS2)	15.62	30.00	-14.38

Table 7-49. FCC Antenna 1b 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5210	42	102/108.1 (MCS2)	13.02	23.98	-10.96
	5290	58	102/108.1 (MCS2)	14.87	23.98	-9.11
	5530	106	102/108.1 (MCS2)	12.52	23.98	-11.46
	5610	122	102/108.1 (MCS2)	16.48	23.98	-7.50
	5690	138	102/108.1 (MCS2)	17.66	23.98	-6.32
	5775	155	102/108.1 (MCS2)	15.69	30.00	-14.31

Table 7-50. FCC Antenna 1b 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5250	50	175.5/195 (MCS2)	11.90	23.98	-12.08
	5570	114	175.5/195 (MCS2)	11.56	23.98	-12.42

Table 7-51. FCC Antenna 1b 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5250	50	204/216.2 (MCS2)	11.95	23.98	-12.03
	5570	114	204/216.2 (MCS2)	11.60	23.98	-12.38

Table 7-52. FCC Antenna 1b 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.6 ISED Antenna 1b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	12 (MCS2)	16.48	-	-	-1.00	15.48	23.01	-7.53
	5200	40	12 (MCS2)	17.51	-	-	-1.00	16.51	23.01	-6.50
	5240	48	12 (MCS2)	17.53	-	-	-1.00	16.53	23.01	-6.48
	5260	52	12 (MCS2)	17.44	23.98	-6.54	-1.50	15.94	30.00	-14.06
	5300	60	12 (MCS2)	17.55	23.98	-6.43	-1.50	16.05	30.00	-13.95
	5320	64	12 (MCS2)	16.55	23.98	-7.43	-1.50	15.05	30.00	-14.95
	5500	100	12 (MCS2)	15.54	23.98	-8.44	-0.30	15.24	30.00	-14.76
	5520	104	12 (MCS2)	17.47	23.98	-6.51	-0.30	17.17	30.00	-12.83
	5540	108	12 (MCS2)	17.46	23.98	-6.52	-0.30	17.16	30.00	-12.84
	5580	116	12 (MCS2)	17.67	23.98	-6.31	-0.30	17.37	30.00	-12.63
	5660	132	12 (MCS2)	17.38	23.98	-6.60	-0.30	17.08	30.00	-12.92
	5680	136	12 (MCS2)	16.68	23.98	-7.30	-0.30	16.38	30.00	-13.62
	5700	140	12 (MCS2)	15.05	23.98	-8.93	-0.30	14.75	30.00	-15.25
	5720	144	12 (MCS2)	17.35	23.98	-6.63	-0.30	17.05	30.00	-12.95
	5745	149	12 (MCS2)	17.38	30.00	-12.62	0.00	17.38	-	-
	5785	157	12 (MCS2)	17.51	30.00	-12.49	0.00	17.51	-	-
	5825	165	12 (MCS2)	17.57	30.00	-12.43	0.00	17.57	-	-

Table 7-53. ISED Antenna 1b 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	19.5/21.7 (MCS2)	16.68	-	-	-1.00	15.68	23.01	-7.33
	5200	40	19.5/21.7 (MCS2)	17.37	-	-	-1.00	16.37	23.01	-6.65
	5240	48	19.5/21.7 (MCS2)	17.43	-	-	-1.00	16.43	23.01	-6.58
	5260	52	19.5/21.7 (MCS2)	17.56	23.98	-6.42	-1.50	16.06	30.00	-13.95
	5300	60	19.5/21.7 (MCS2)	17.57	23.98	-6.41	-1.50	16.07	30.00	-13.93
	5320	64	19.5/21.7 (MCS2)	16.67	23.98	-7.31	-1.50	15.17	30.00	-14.83
	5500	100	19.5/21.7 (MCS2)	15.71	23.98	-8.27	-0.30	15.41	30.00	-14.59
	5520	104	19.5/21.7 (MCS2)	17.36	23.98	-6.62	-0.30	17.06	30.00	-12.94
	5540	108	19.5/21.7 (MCS2)	17.54	23.98	-6.44	-0.30	17.24	30.00	-12.76
	5580	116	19.5/21.7 (MCS2)	17.50	23.98	-6.48	-0.30	17.20	30.00	-12.80
	5660	132	19.5/21.7 (MCS2)	17.53	23.98	-6.45	-0.30	17.23	30.00	-12.77
	5680	136	19.5/21.7 (MCS2)	16.54	23.98	-7.44	-0.30	16.24	30.00	-13.76
	5700	140	19.5/21.7 (MCS2)	14.96	23.98	-9.02	-0.30	14.66	30.00	-15.34
	5720	144	19.5/21.7 (MCS2)	17.68	23.98	-6.30	-0.30	17.38	30.00	-12.63
	5745	149	19.5/21.7 (MCS2)	17.73	30.00	-12.27	0.00	17.73	-	-
	5785	157	19.5/21.7 (MCS2)	17.57	30.00	-12.43	0.00	17.57	-	-
	5825	165	19.5/21.7 (MCS2)	17.64	30.00	-12.36	0.00	17.64	-	-

Table 7-54. ISED Antenna 1b 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 59 of 270

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	24/25.8 (MCS2)	15.82	-	-	-1.00	14.82	23.01	-8.19
	5200	40	24/25.8 (MCS2)	17.64	-	-	-1.00	16.64	23.01	-6.37
	5240	48	24/25.8 (MCS2)	17.64	-	-	-1.00	16.64	23.01	-6.37
	5260	52	24/25.8 (MCS2)	17.53	23.98	-6.45	-1.50	16.03	30.00	-13.97
	5300	60	24/25.8 (MCS2)	17.43	23.98	-6.55	-1.50	15.93	30.00	-14.07
	5320	64	24/25.8 (MCS2)	15.45	23.98	-8.53	-1.50	13.95	30.00	-16.05
	5500	100	24/25.8 (MCS2)	15.53	23.98	-8.45	-0.30	15.23	30.00	-14.77
	5520	104	24/25.8 (MCS2)	16.22	23.98	-7.76	-0.30	15.92	30.00	-14.08
	5540	108	24/25.8 (MCS2)	17.48	23.98	-6.50	-0.30	17.18	30.00	-12.82
	5580	116	24/25.8 (MCS2)	17.68	23.98	-6.30	-0.30	17.38	30.00	-12.62
	5660	132	24/25.8 (MCS2)	17.38	23.98	-6.59	-0.30	17.08	30.00	-12.92
	5680	136	24/25.8 (MCS2)	16.51	23.98	-7.47	-0.30	16.21	30.00	-13.79
	5700	140	24/25.8 (MCS2)	15.13	23.98	-8.85	-0.30	14.83	30.00	-15.17
	5720	144	24/25.8 (MCS2)	17.44	23.98	-6.54	-0.30	17.14	30.00	-12.87
	5745	149	24/25.8 (MCS2)	17.49	30.00	-12.51	0.00	17.49	-	-
	5785	157	24/25.8 (MCS2)	17.57	30.00	-12.43	0.00	17.57	-	-
	5825	165	24/25.8 (MCS2)	17.50	30.00	-12.50	0.00	17.50	-	-

Table 7-55. ISED Antenna 1b 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	40/40.5 (MCS2)	14.49	-	-	-1.00	13.49	23.01	-9.52
	5230	46	40/40.5 (MCS2)	17.47	-	-	-1.00	16.47	23.01	-6.54
	5270	54	40/40.5 (MCS2)	17.59	23.98	-6.39	-1.50	16.09	30.00	-13.91
	5310	62	40/40.5 (MCS2)	14.94	23.98	-9.04	-1.50	13.44	30.00	-16.56
	5510	102	40/40.5 (MCS2)	14.60	23.98	-9.38	-0.30	14.30	30.00	-15.70
	5550	110	40/40.5 (MCS2)	17.12	23.98	-6.86	-0.30	16.82	30.00	-13.18
	5670	134	40/40.5 (MCS2)	16.62	23.98	-7.36	-0.30	16.32	30.00	-13.68
	5710	142	40/40.5 (MCS2)	17.50	23.98	-6.48	-0.30	17.20	30.00	-12.80
	5755	151	40/40.5 (MCS2)	17.64	23.98	-6.34	0.00	17.64	-	-
	5795	159	40/40.5 (MCS2)	17.52	23.98	-6.46	0.00	17.52	-	-

Table 7-56. ISED Antenna 1b 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	49/51.6 (MCS2)	13.69	-	-	-1.00	12.69	23.01	-10.32
	5230	46	49/51.6 (MCS2)	17.52	-	-	-1.00	16.52	23.01	-6.49
	5270	54	49/51.6 (MCS2)	17.67	23.98	-6.31	-1.50	16.17	30.00	-13.83
	5310	62	49/51.6 (MCS2)	14.75	23.98	-9.23	-1.50	13.25	30.00	-16.76
	5510	102	49/51.6 (MCS2)	14.62	23.98	-9.36	-0.30	14.32	30.00	-15.68
	5550	110	49/51.6 (MCS2)	16.41	23.98	-7.57	-0.30	16.11	30.00	-13.89
	5670	134	49/51.6 (MCS2)	15.96	23.98	-8.02	-0.30	15.66	30.00	-14.34
	5710	142	49/51.6 (MCS2)	17.60	23.98	-6.38	-0.30	17.30	30.00	-12.70
	5755	151	49/51.6 (MCS2)	17.66	30.00	-12.34	0.00	17.66	-	-
	5795	159	49/51.6 (MCS2)	17.53	30.00	-12.47	0.00	17.53	-	-

Table 7-57. ISED Antenna 1b 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ac						
	5210	42	87.8/97.5 (MCS2)	13.12	-	-	-1.00	12.12	23.01	-10.89
	5290	58	87.8/97.5 (MCS2)	14.92	23.98	-9.06	-1.50	13.42	30.00	-16.58
	5530	106	87.8/97.5 (MCS2)	14.25	23.98	-9.73	-0.30	13.95	30.00	-16.05
	5690	138	87.8/97.5 (MCS2)	17.63	23.98	-6.35	-0.30	17.33	30.00	-12.67
	5775	155	87.8/97.5 (MCS2)	15.62	30.00	-14.38	0.00	15.62	-	-

Table 7-58. ISED Antenna 1b 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ax						
	5210	42	102/108.1 (MCS2)	13.16	-	-	-1.00	12.16	23.01	-10.85
	5290	58	102/108.1 (MCS2)	14.87	23.98	-9.11	-1.50	13.37	30.00	-16.63
	5530	106	102/108.1 (MCS2)	12.52	23.98	-11.46	-0.30	12.22	30.00	-17.78
	5690	138	102/108.1 (MCS2)	17.66	23.98	-6.32	-0.30	17.36	30.00	-12.64
	5775	155	102/108.1 (MCS2)	15.69	30.00	-14.31	0.00	15.69	-	-

Table 7-59. ISED Antenna 1b 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ac						
	5250	50	175.5/195 (MCS2)	11.91	23.98	-12.07	-1.00	10.91	23.01	-12.10

Table 7-60. ISED Antenna 1b 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11ax						
	5250	50	204/216.2 (MCS2)	12.00	23.98	-11.97	-1.00	11.00	23.01	-12.01

Table 7-61. ISED Antenna 1b 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.7 FCC CDD Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5180	36	CDD	12 (MCS2)	16.74	16.81	19.79	23.98	-4.19
	5200	40	CDD	12 (MCS2)	16.79	16.75	19.78	23.98	-4.20
	5240	48	CDD	12 (MCS2)	16.70	16.80	19.76	23.98	-4.22
	5260	52	CDD	12 (MCS2)	16.91	16.85	19.89	23.98	-4.09
	5300	60	CDD	12 (MCS2)	16.71	16.92	19.82	23.98	-4.16
	5320	64	CDD	12 (MCS2)	16.94	16.76	19.86	23.98	-4.12
	5500	100	CDD	12 (MCS2)	16.99	16.72	19.87	23.98	-4.11
	5520	104	CDD	12 (MCS2)	16.79	16.99	19.90	23.98	-4.08
	5540	108	CDD	12 (MCS2)	16.99	16.94	19.98	23.98	-4.00
	5580	116	CDD	12 (MCS2)	16.96	16.73	19.86	23.98	-4.12
	5660	132	CDD	12 (MCS2)	16.65	16.74	19.70	23.98	-4.28
	5680	136	CDD	12 (MCS2)	16.86	16.77	19.83	23.98	-4.15
	5700	140	CDD	12 (MCS2)	16.64	16.92	19.79	23.98	-4.19
	5720	144	CDD	12 (MCS2)	16.80	16.83	19.82	23.98	-4.16
	5745	149	CDD	12 (MCS2)	19.40	19.30	22.36	30.00	-7.64
	5785	157	CDD	12 (MCS2)	19.15	19.41	22.30	30.00	-7.70
	5825	165	CDD	12 (MCS2)	19.48	19.46	22.48	30.00	-7.52

Table 7-62. FCC CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5180	36	CDD	39/43.4 (MCS2)	16.62	16.97	19.81	23.98	-4.17
	5200	40	CDD	39/43.4 (MCS2)	16.85	16.70	19.78	23.98	-4.20
	5240	48	CDD	39/43.4 (MCS2)	16.74	16.66	19.71	23.98	-4.27
	5260	52	CDD	39/43.4 (MCS2)	16.99	16.71	19.87	23.98	-4.11
	5300	60	CDD	39/43.4 (MCS2)	16.72	16.85	19.79	23.98	-4.19
	5320	64	CDD	39/43.4 (MCS2)	16.63	16.84	19.75	23.98	-4.23
	5500	100	CDD	39/43.4 (MCS2)	16.82	16.87	19.85	23.98	-4.13
	5520	104	CDD	39/43.4 (MCS2)	16.92	16.80	19.87	23.98	-4.11
	5540	108	CDD	39/43.4 (MCS2)	16.83	16.80	19.83	23.98	-4.15
	5580	116	CDD	39/43.4 (MCS2)	16.99	16.98	20.00	23.98	-3.98
	5660	132	CDD	39/43.4 (MCS2)	16.96	16.61	19.80	23.98	-4.18
	5680	136	CDD	39/43.4 (MCS2)	16.68	16.62	19.66	23.98	-4.32
	5700	140	CDD	39/43.4 (MCS2)	16.93	16.70	19.83	23.98	-4.15
	5720	144	CDD	39/43.4 (MCS2)	16.84	16.91	19.88	23.98	-4.10
	5745	149	CDD	39/43.4 (MCS2)	19.20	19.43	22.33	30.00	-7.67
	5785	157	CDD	39/43.4 (MCS2)	19.49	19.11	22.31	30.00	-7.69
	5825	165	CDD	39/43.4 (MCS2)	19.25	19.34	22.31	30.00	-7.69

Table 7-63. FCC CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5180	36	CDD	48/251.6 (MCS2)	17.13	17.36	20.26	23.98	-3.72
	5200	40	CDD	48/251.6 (MCS2)	17.69	17.72	20.71	23.98	-3.27
	5240	48	CDD	48/251.6 (MCS2)	17.78	17.82	20.81	23.98	-3.17
	5260	52	CDD	48/251.6 (MCS2)	17.90	17.86	20.89	23.98	-3.09
	5300	60	CDD	48/251.6 (MCS2)	17.75	17.86	20.82	23.98	-3.16
	5320	64	CDD	48/251.6 (MCS2)	17.33	17.48	20.42	23.98	-3.56
	5500	100	CDD	48/251.6 (MCS2)	16.87	16.69	19.79	23.98	-4.19
	5520	104	CDD	48/251.6 (MCS2)	17.99	17.77	20.89	23.98	-3.09
	5540	108	CDD	48/251.6 (MCS2)	17.99	17.62	20.82	23.98	-3.16
	5580	116	CDD	48/251.6 (MCS2)	17.83	17.89	20.87	23.98	-3.11
	5660	132	CDD	48/251.6 (MCS2)	17.73	17.67	20.71	23.98	-3.27
	5680	136	CDD	48/251.6 (MCS2)	17.61	17.76	20.70	23.98	-3.28
	5700	140	CDD	48/251.6 (MCS2)	15.44	15.23	18.34	23.98	-5.64
	5720	144	CDD	48/251.6 (MCS2)	17.88	17.86	20.88	23.98	-3.10
	5745	149	CDD	48/251.6 (MCS2)	19.47	19.38	22.43	30.00	-7.57
	5785	157	CDD	48/251.6 (MCS2)	19.17	19.48	22.34	30.00	-7.66
	5825	165	CDD	48/251.6 (MCS2)	19.47	19.48	22.49	30.00	-7.51

Table 7-64. FCC CDD Primary 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5190	38	CDD	80/81 (MCS2)	16.47	16.33	19.41	23.98	-4.57
	5230	46	CDD	80/81 (MCS2)	19.25	19.38	22.33	23.98	-1.65
	5270	54	CDD	80/81 (MCS2)	19.39	19.18	22.29	23.98	-1.69
	5310	62	CDD	80/81 (MCS2)	16.27	16.37	19.33	23.98	-4.65
	5510	102	CDD	80/81 (MCS2)	15.83	15.96	18.91	23.98	-5.07
	5550	110	CDD	80/81 (MCS2)	18.65	18.85	21.76	23.98	-2.22
	5590	118	CDD	80/81 (MCS2)	19.35	19.25	22.31	23.98	-1.67
	5630	126	CDD	80/81 (MCS2)	19.39	19.47	22.44	23.98	-1.54
	5670	134	CDD	80/81 (MCS2)	18.21	18.34	21.29	23.98	-2.69
	5710	142	CDD	80/81 (MCS2)	19.27	19.16	22.22	23.98	-1.76
	5755	151	CDD	80/81 (MCS2)	19.27	19.18	22.23	30.00	-7.77
	5795	159	CDD	80/81 (MCS2)	19.50	19.27	22.39	30.00	-7.61

Table 7-65. FCC CDD Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5190	38	CDD	98/103.2 (MCS2)	14.97	14.88	17.94	23.98	-6.04
	5230	46	CDD	98/103.2 (MCS2)	19.37	19.43	22.41	23.98	-1.57
	5270	54	CDD	98/103.2 (MCS2)	19.46	19.28	22.38	23.98	-1.60
	5310	62	CDD	98/103.2 (MCS2)	15.30	15.16	18.24	23.98	-5.74
	5510	102	CDD	98/103.2 (MCS2)	14.75	14.70	17.73	23.98	-6.25
	5550	110	CDD	98/103.2 (MCS2)	18.09	17.89	21.00	23.98	-2.98
	5590	118	CDD	98/103.2 (MCS2)	19.11	19.33	22.23	23.98	-1.75
	5630	126	CDD	98/103.2 (MCS2)	19.29	19.27	22.29	23.98	-1.69
	5670	134	CDD	98/103.2 (MCS2)	17.82	17.63	20.74	23.98	-3.24
	5710	142	CDD	98/103.2 (MCS2)	19.15	19.26	22.22	23.98	-1.76
	5755	151	CDD	98/103.2 (MCS2)	19.27	19.26	22.28	30.00	-7.72
	5795	159	CDD	98/103.2 (MCS2)	19.48	19.36	22.43	30.00	-7.57

Table 7-66. FCC CDD Primary 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5210	42	CDD	175.6/195 (MCS2)	14.54	14.54	17.55	23.98	-6.43
	5290	58	CDD	175.6/195 (MCS2)	15.81	15.60	18.72	23.98	-5.26
	5530	106	CDD	175.6/195 (MCS2)	15.02	15.19	18.12	23.98	-5.86
	5610	122	CDD	175.6/195 (MCS2)	18.62	18.88	21.76	23.98	-2.22
	5690	138	CDD	175.6/195 (MCS2)	19.11	19.38	22.26	23.98	-1.72
	5775	155	CDD	175.6/195 (MCS2)	17.54	17.53	20.55	30.00	-9.45

Table 7-67. FCC CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5210	42	CDD	204/216.2 (MCS2)	14.45	14.37	17.42	23.98	-6.56
	5290	58	CDD	204/216.2 (MCS2)	14.71	14.63	17.68	23.98	-6.30
	5530	106	CDD	204/216.2 (MCS2)	13.65	13.94	16.81	23.98	-7.17
	5610	122	CDD	204/216.2 (MCS2)	18.48	18.13	21.32	23.98	-2.66
	5690	138	CDD	204/216.2 (MCS2)	19.39	19.31	22.36	23.98	-1.62
	5775	155	CDD	204/216.2 (MCS2)	16.68	16.76	19.73	30.00	-10.27

Table 7-68. FCC CDD Primary 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 64 of 270

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5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5250	50	CDD	351/390 (MCS2)	13.72	13.89	16.81	23.98	-7.17
	5570	114	CDD	351/390 (MCS2)	12.83	13.05	15.95	23.98	-8.03

Table 7-69. FCC CDD Primary 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 3b	Summed		
	5250	50	CDD	408/432.4 (MCS2)	13.78	13.79	16.79	23.98	-7.19
	5570	114	CDD	408/432.4 (MCS2)	13.09	13.20	16.16	23.98	-7.82

Table 7-70. FCC CDD Primary 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 65 of 270

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7.4.8 ISED CDD/SDM Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5180	36	CDD	12 (MCS2)	14.35	14.48	17.43	-	-	-1.40	16.03	23.01	-6.98
	5200	40	CDD	12 (MCS2)	14.43	14.39	17.42	-	-	-1.40	16.02	23.01	-6.99
	5240	48	CDD	12 (MCS2)	14.26	14.47	17.38	-	-	-1.40	15.98	23.01	-7.03
	5260	52	CDD	12 (MCS2)	16.91	16.85	19.89	23.98	-4.09	-0.30	19.59	30.00	-10.41
	5300	60	CDD	12 (MCS2)	16.71	16.92	19.82	23.98	-4.16	-0.30	19.52	30.00	-10.48
	5320	64	CDD	12 (MCS2)	16.94	16.76	19.86	23.98	-4.12	-0.30	19.56	30.00	-10.44
	5500	100	CDD	12 (MCS2)	16.99	16.72	19.87	23.98	-4.11	1.60	21.47	30.00	-8.53
	5520	104	CDD	12 (MCS2)	16.79	16.99	19.90	23.98	-4.08	1.60	21.50	30.00	-8.50
	5540	108	CDD	12 (MCS2)	16.99	16.94	19.98	23.98	-4.00	1.60	21.58	30.00	-8.42
	5580	116	CDD	12 (MCS2)	16.96	16.73	19.86	23.98	-4.12	1.60	21.46	30.00	-8.54
	5660	132	CDD	12 (MCS2)	16.65	16.74	19.70	23.98	-4.28	1.60	21.30	30.00	-8.70
	5680	136	CDD	12 (MCS2)	16.86	16.77	19.83	23.98	-4.15	1.60	21.43	30.00	-8.57
	5700	140	CDD	12 (MCS2)	16.64	16.92	19.79	23.98	-4.19	1.60	21.39	30.00	-8.61
	5720	144	CDD	12 (MCS2)	16.80	16.83	19.82	23.98	-4.16	1.60	21.42	30.00	-8.58
	5745	149	CDD	12 (MCS2)	19.40	19.30	22.36	30.00	-7.64	2.30	24.66	-	-
	5785	157	CDD	12 (MCS2)	19.15	19.41	22.30	30.00	-7.70	2.30	24.60	-	-
	5825	165	CDD	12 (MCS2)	19.48	19.46	22.48	30.00	-7.52	2.30	24.78	-	-

Table 7-71. ISED CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5180	36	SDM	39/43.4 (MCS2)	17.50	17.14	20.33	-	-	-1.83	18.50	23.01	-4.51
	5200	40	SDM	39/43.4 (MCS2)	17.16	17.26	20.22	-	-	-1.83	18.39	23.01	-4.62
	5240	48	SDM	39/43.4 (MCS2)	17.11	17.31	20.22	-	-	-1.83	18.39	23.01	-4.62
	5260	52	CDD	39/43.4 (MCS2)	16.99	16.71	19.87	23.98	-4.11	-0.30	19.57	30.00	-10.43
	5300	60	CDD	39/43.4 (MCS2)	16.72	16.85	19.79	23.98	-4.19	-0.30	19.49	30.00	-10.51
	5320	64	CDD	39/43.4 (MCS2)	16.63	16.84	19.75	23.98	-4.23	-0.30	19.45	30.00	-10.55
	5500	100	CDD	39/43.4 (MCS2)	16.82	16.87	19.85	23.98	-4.13	1.60	21.45	30.00	-8.55
	5520	104	CDD	39/43.4 (MCS2)	16.92	16.80	19.87	23.98	-4.11	1.60	21.47	30.00	-8.53
	5540	108	CDD	39/43.4 (MCS2)	16.83	16.80	19.83	23.98	-4.15	1.60	21.43	30.00	-8.57
	5580	116	CDD	39/43.4 (MCS2)	16.99	16.98	20.00	23.98	-3.98	1.60	21.60	30.00	-8.40
	5660	132	CDD	39/43.4 (MCS2)	16.96	16.61	19.80	23.98	-4.18	1.60	21.40	30.00	-8.60
	5680	136	CDD	39/43.4 (MCS2)	16.68	16.62	19.66	23.98	-4.32	1.60	21.26	30.00	-8.74
	5700	140	CDD	39/43.4 (MCS2)	16.93	16.70	19.83	23.98	-4.15	1.60	21.43	30.00	-8.57
	5720	144	CDD	39/43.4 (MCS2)	16.84	16.91	19.88	23.98	-4.10	1.60	21.48	30.00	-8.52
	5745	149	CDD	39/43.4 (MCS2)	19.20	19.43	22.33	30.00	-7.67	2.30	24.63	-	-
	5785	157	CDD	39/43.4 (MCS2)	19.49	19.11	22.31	30.00	-7.69	2.30	24.61	-	-
	5825	165	CDD	39/43.4 (MCS2)	19.25	19.34	22.31	30.00	-7.69	2.30	24.61	-	-

Table 7-72. ISED CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 66 of 270

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5190	36	SDM	48/251.6 (MCS2)	17.22	17.31	20.28	-	-	-1.83	18.45	23.01	-4.56
	5200	40	SDM	48/251.6 (MCS2)	18.34	18.40	21.38	-	-	-1.83	19.55	23.01	-3.46
	5240	48	SDM	48/251.6 (MCS2)	18.27	18.45	21.37	-	-	-1.83	19.54	23.01	-3.47
	5260	52	CDD	48/251.6 (MCS2)	17.90	17.86	20.89	23.98	-3.09	-0.30	20.59	30.00	-9.41
	5300	60	CDD	48/251.6 (MCS2)	17.75	17.86	20.82	23.98	-3.16	-0.30	20.52	30.00	-9.48
	5320	64	CDD	48/251.6 (MCS2)	17.33	17.48	20.42	23.98	-3.56	-0.30	20.12	30.00	-9.88
	5500	100	CDD	48/251.6 (MCS2)	16.87	16.69	19.79	23.98	-4.19	1.60	21.39	30.00	-8.61
	5520	104	CDD	48/251.6 (MCS2)	17.99	17.77	20.89	23.98	-3.09	1.60	22.49	30.00	-7.51
	5540	108	CDD	48/251.6 (MCS2)	17.99	17.62	20.82	23.98	-3.16	1.60	22.42	30.00	-7.58
	5580	116	CDD	48/251.6 (MCS2)	17.83	17.89	20.87	23.98	-3.11	1.60	22.47	30.00	-7.53
	5660	132	CDD	48/251.6 (MCS2)	17.73	17.67	20.71	23.98	-3.27	1.60	22.31	30.00	-7.69
	5680	136	CDD	48/251.6 (MCS2)	17.61	17.76	20.70	23.98	-3.28	1.60	22.30	30.00	-7.70
	5700	140	CDD	48/251.6 (MCS2)	15.44	15.23	18.34	23.98	-5.64	1.60	19.94	30.00	-10.06
	5720	144	CDD	48/251.6 (MCS2)	17.88	17.86	20.88	23.98	-3.10	1.60	22.48	30.00	-7.52
	5745	149	CDD	48/251.6 (MCS2)	19.47	19.38	22.43	30.00	-7.57	2.30	24.73	-	-
	5785	157	CDD	48/251.6 (MCS2)	19.17	19.48	22.34	30.00	-7.66	2.30	24.64	-	-
	5825	165	CDD	48/251.6 (MCS2)	19.47	19.48	22.49	30.00	-7.51	2.30	24.79	-	-

Table 7-73. ISCED CDD/SDM Primary 20MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5190	38	CDD	80/81 (MCS2)	16.24	16.20	19.23	-	-	-1.40	17.83	23.01	-5.18
	5230	46	SDM	80/81 (MCS2)	19.47	19.38	22.43	-	-	-1.83	20.60	23.01	-2.41
	5270	54	CDD	80/81 (MCS2)	19.39	19.18	22.29	23.98	-1.69	-0.30	21.99	30.00	-8.01
	5310	62	CDD	80/81 (MCS2)	16.27	16.37	19.33	23.98	-4.65	-0.30	19.03	30.00	-10.97
	5510	102	CDD	80/81 (MCS2)	15.83	15.96	18.91	23.98	-5.07	1.60	20.51	30.00	-9.49
	5550	110	CDD	80/81 (MCS2)	18.65	18.85	21.76	23.98	-2.22	1.60	23.36	30.00	-6.64
	5670	134	CDD	80/81 (MCS2)	18.21	18.34	21.29	23.98	-2.69	1.60	22.89	30.00	-7.11
	5710	142	CDD	80/81 (MCS2)	19.27	19.16	22.22	23.98	-1.76	1.60	23.82	30.00	-6.18
	5755	151	CDD	80/81 (MCS2)	19.27	19.18	22.23	30.00	-7.77	2.30	24.53	-	-
	5795	159	CDD	80/81 (MCS2)	19.50	19.27	22.39	30.00	-7.61	2.30	24.69	-	-

Table 7-74. ISCED CDD/SDM Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5190	38	CDD	98/103.2 (MCS2)	14.70	14.97	17.85	-	-	-1.40	16.45	23.01	-6.56
	5230	46	SDM	98/103.2 (MCS2)	19.46	19.40	22.44	-	-	-1.83	20.61	23.01	-2.40
	5270	54	CDD	98/103.2 (MCS2)	19.46	19.28	22.38	23.98	-1.60	-0.30	22.08	30.00	-7.92
	5310	62	CDD	98/103.2 (MCS2)	15.30	15.16	18.24	23.98	-5.74	-0.30	17.94	30.00	-12.06
	5510	102	CDD	98/103.2 (MCS2)	14.75	14.70	17.73	23.98	-6.25	1.60	19.33	30.00	-10.67
	5550	110	CDD	98/103.2 (MCS2)	18.09	17.89	21.00	23.98	-2.98	1.60	22.60	30.00	-7.40
	5670	134	CDD	98/103.2 (MCS2)	17.82	17.63	20.74	23.98	-3.24	1.60	22.34	30.00	-7.66
	5710	142	CDD	98/103.2 (MCS2)	19.15	19.26	22.22	23.98	-1.76	1.60	23.82	30.00	-6.18
	5755	151	CDD	98/103.2 (MCS2)	19.27	19.26	22.28	30.00	-7.72	2.30	24.58	-	-
	5795	159	CDD	98/103.2 (MCS2)	19.48	19.36	22.43	30.00	-7.57	2.30	24.73	-	-

Table 7-75. ISCED CDD/SDM Primary 40MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5210	42	CDD	175.6/195 (MCS2)	14.26	14.39	17.34	-	-	-1.40	15.94	23.01	-7.07
	5290	58	CDD	175.6/195 (MCS2)	15.81	15.60	18.72	23.98	-5.26	-0.30	18.42	30.00	-11.58
	5530	106	CDD	175.6/195 (MCS2)	15.02	15.19	18.12	23.98	-5.86	1.60	19.72	30.00	-10.28
	5690	138	CDD	175.6/195 (MCS2)	19.11	19.38	22.26	23.98	-1.72	1.60	23.86	30.00	-6.14
	5775	155	CDD	175.6/195 (MCS2)	17.54	17.53	20.55	30.00	-9.45	2.30	22.85	-	-

Table 7-76. ISCED CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5210	42	CDD	204/216.2 (MCS2)	14.48	14.47	17.49	-	-	-1.40	16.09	23.01	-6.92
	5290	58	CDD	204/216.2 (MCS2)	14.71	14.63	17.68	23.98	-6.30	-0.30	17.38	30.00	-12.62
	5530	106	CDD	204/216.2 (MCS2)	13.65	13.94	16.81	23.98	-7.17	1.60	18.41	30.00	-11.59
	5690	138	CDD	204/216.2 (MCS2)	19.39	19.31	22.36	23.98	-1.62	1.60	23.96	30.00	-6.04
	5775	155	CDD	204/216.2 (MCS2)	16.68	16.76	19.73	30.00	-10.27	2.30	22.03	-	-

Table 7-77. ISED CDD Primary 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5250	50	CDD	351/390 (MCS2)	13.65	13.88	16.77	23.98	-7.21	-1.40	15.37	23.01	-7.64

Table 7-78. ISED CDD Primary 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 3b	Summed						
	5250	50	CDD	408/432.4 (MCS2)	13.78	13.79	16.79	23.98	-7.19	-1.40	15.39	23.01	-7.62

Table 7-79. ISED CDD Primary 160MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.9 FCC CDD Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5180	36	CDD	12 (MCS2)	16.74	15.04	18.98	23.98	-5.00
	5200	40	CDD	12 (MCS2)	16.79	14.99	18.99	23.98	-4.99
	5240	48	CDD	12 (MCS2)	16.70	14.95	18.92	23.98	-5.06
	5260	52	CDD	12 (MCS2)	16.91	14.90	19.03	23.98	-4.95
	5300	60	CDD	12 (MCS2)	16.71	15.04	18.96	23.98	-5.02
	5320	64	CDD	12 (MCS2)	16.94	15.07	19.11	23.98	-4.87
	5500	100	CDD	12 (MCS2)	16.99	15.12	19.17	23.98	-4.81
	5520	104	CDD	12 (MCS2)	16.79	15.25	19.10	23.98	-4.88
	5540	108	CDD	12 (MCS2)	16.99	14.98	19.11	23.98	-4.87
	5580	116	CDD	12 (MCS2)	16.96	15.03	19.12	23.98	-4.86
	5660	132	CDD	12 (MCS2)	16.65	15.04	18.93	23.98	-5.05
	5680	136	CDD	12 (MCS2)	16.86	15.25	19.14	23.98	-4.84
	5700	140	CDD	12 (MCS2)	16.64	15.04	18.93	23.98	-5.05
	5720	144	CDD	12 (MCS2)	16.80	14.92	18.97	23.98	-5.01
	5745	149	CDD	12 (MCS2)	19.40	17.60	21.60	30.00	-8.40
	5785	157	CDD	12 (MCS2)	19.15	17.58	21.45	30.00	-8.55
	5825	165	CDD	12 (MCS2)	19.48	17.48	21.60	30.00	-8.40

Table 7-80. FCC CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5180	36	CDD	39/43.4 (MCS2)	16.62	15.22	18.99	23.98	-4.99
	5200	40	CDD	39/43.4 (MCS2)	16.85	14.87	18.98	23.98	-5.00
	5240	48	CDD	39/43.4 (MCS2)	16.74	15.20	19.05	23.98	-4.93
	5260	52	CDD	39/43.4 (MCS2)	16.99	15.20	19.20	23.98	-4.78
	5300	60	CDD	39/43.4 (MCS2)	16.72	15.13	19.01	23.98	-4.97
	5320	64	CDD	39/43.4 (MCS2)	16.63	15.10	18.94	23.98	-5.04
	5500	100	CDD	39/43.4 (MCS2)	16.82	15.23	19.11	23.98	-4.87
	5520	104	CDD	39/43.4 (MCS2)	16.92	15.11	19.12	23.98	-4.86
	5540	108	CDD	39/43.4 (MCS2)	16.83	15.11	19.07	23.98	-4.91
	5580	116	CDD	39/43.4 (MCS2)	16.99	15.21	19.20	23.98	-4.78
	5660	132	CDD	39/43.4 (MCS2)	16.96	14.89	19.05	23.98	-4.93
	5680	136	CDD	39/43.4 (MCS2)	16.68	14.87	18.88	23.98	-5.10
	5700	140	CDD	39/43.4 (MCS2)	16.93	14.87	19.03	23.98	-4.95
	5720	144	CDD	39/43.4 (MCS2)	16.84	15.01	19.03	23.98	-4.95
	5745	149	CDD	39/43.4 (MCS2)	19.20	17.71	21.53	30.00	-8.47
	5785	157	CDD	39/43.4 (MCS2)	19.49	17.70	21.70	30.00	-8.30
	5825	165	CDD	39/43.4 (MCS2)	19.25	17.58	21.51	30.00	-8.49

Table 7-81. FCC CDD Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 69 of 270

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5180	36	CDD	48/251.6 (MCS2)	17.13	15.61	19.45	23.98	-4.53
	5200	40	CDD	48/251.6 (MCS2)	17.69	16.08	19.97	23.98	-4.01
	5240	48	CDD	48/251.6 (MCS2)	17.78	16.11	20.03	23.98	-3.95
	5260	52	CDD	48/251.6 (MCS2)	17.90	16.08	20.09	23.98	-3.89
	5300	60	CDD	48/251.6 (MCS2)	17.75	15.92	19.94	23.98	-4.04
	5320	64	CDD	48/251.6 (MCS2)	17.33	15.57	19.55	23.98	-4.43
	5500	100	CDD	48/251.6 (MCS2)	16.87	14.89	19.00	23.98	-4.98
	5520	104	CDD	48/251.6 (MCS2)	17.99	16.06	20.14	23.98	-3.84
	5540	108	CDD	48/251.6 (MCS2)	17.99	16.01	20.12	23.98	-3.86
	5580	116	CDD	48/251.6 (MCS2)	17.83	15.94	20.00	23.98	-3.98
	5660	132	CDD	48/251.6 (MCS2)	17.73	15.97	19.95	23.98	-4.03
	5680	136	CDD	48/251.6 (MCS2)	17.61	15.98	19.88	23.98	-4.10
	5700	140	CDD	48/251.6 (MCS2)	15.44	13.57	17.61	23.98	-6.37
	5720	144	CDD	48/251.6 (MCS2)	17.88	16.22	20.14	23.98	-3.84
	5745	149	CDD	48/251.6 (MCS2)	19.47	17.44	21.58	30.00	-8.42
	5785	157	CDD	48/251.6 (MCS2)	19.17	17.39	21.38	30.00	-8.62
	5825	165	CDD	48/251.6 (MCS2)	19.47	17.47	21.59	30.00	-8.41

Table 7-82. FCC CDD Diversity 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5190	38	CDD	80/81 (MCS2)	16.47	14.60	18.64	23.98	-5.34
	5230	46	CDD	80/81 (MCS2)	19.25	17.44	21.45	23.98	-2.53
	5270	54	CDD	80/81 (MCS2)	19.39	17.75	21.65	23.98	-2.33
	5310	62	CDD	80/81 (MCS2)	16.27	14.54	18.50	23.98	-5.48
	5510	102	CDD	80/81 (MCS2)	15.83	14.12	18.07	23.98	-5.91
	5550	110	CDD	80/81 (MCS2)	18.65	17.15	20.97	23.98	-3.01
	5590	118	CDD	80/81 (MCS2)	19.35	17.57	21.56	23.98	-2.42
	5630	126	CDD	80/81 (MCS2)	19.39	17.53	21.57	23.98	-2.41
	5670	134	CDD	80/81 (MCS2)	18.21	16.56	20.47	23.98	-3.51
	5710	142	CDD	80/81 (MCS2)	19.27	17.66	21.55	23.98	-2.43
	5755	151	CDD	80/81 (MCS2)	19.27	17.54	21.50	30.00	-8.50
	5795	159	CDD	80/81 (MCS2)	19.50	17.45	21.60	30.00	-8.40

Table 7-83. FCC CDD Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 70 of 270

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5190	38	CDD	98/103.2 (MCS2)	14.97	12.89	17.07	23.98	-6.91
	5230	46	CDD	98/103.2 (MCS2)	19.37	17.57	21.57	23.98	-2.41
	5270	54	CDD	98/103.2 (MCS2)	19.46	17.45	21.58	23.98	-2.40
	5310	62	CDD	98/103.2 (MCS2)	15.30	13.51	17.51	23.98	-6.47
	5510	102	CDD	98/103.2 (MCS2)	14.75	12.92	16.94	23.98	-7.04
	5550	110	CDD	98/103.2 (MCS2)	18.09	16.37	20.32	23.98	-3.66
	5590	118	CDD	98/103.2 (MCS2)	19.11	17.46	21.37	23.98	-2.61
	5630	126	CDD	98/103.2 (MCS2)	19.29	17.44	21.47	23.98	-2.51
	5670	134	CDD	98/103.2 (MCS2)	17.82	16.07	20.04	23.98	-3.94
	5710	142	CDD	98/103.2 (MCS2)	19.15	17.51	21.42	23.98	-2.56
	5755	151	CDD	98/103.2 (MCS2)	19.27	17.63	21.54	30.00	-8.46
	5795	159	CDD	98/103.2 (MCS2)	19.48	17.53	21.63	30.00	-8.37

Table 7-84. FCC CDD Diversity 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5210	42	CDD	175.6/195 (MCS2)	14.54	12.69	16.72	23.98	-7.26
	5290	58	CDD	175.6/195 (MCS2)	15.81	14.21	18.09	23.98	-5.89
	5530	106	CDD	175.6/195 (MCS2)	15.02	13.28	17.25	23.98	-6.73
	5610	122	CDD	175.6/195 (MCS2)	18.62	17.15	20.96	23.98	-3.02
	5690	138	CDD	175.6/195 (MCS2)	19.11	17.63	21.44	23.98	-2.54
	5775	155	CDD	175.6/195 (MCS2)	17.54	15.93	19.82	30.00	-10.18

Table 7-85. FCC CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5210	42	CDD	204/216.2 (MCS2)	14.45	12.62	16.64	23.98	-7.34
	5290	58	CDD	204/216.2 (MCS2)	14.71	13.07	16.98	23.98	-7.00
	5530	106	CDD	204/216.2 (MCS2)	13.65	12.17	15.98	23.98	-8.00
	5610	122	CDD	204/216.2 (MCS2)	18.48	16.38	20.57	23.98	-3.41
	5690	138	CDD	204/216.2 (MCS2)	19.39	17.37	21.51	23.98	-2.47
	5775	155	CDD	204/216.2 (MCS2)	16.68	15.24	19.03	30.00	-10.97

Table 7-86. FCC CDD Diversity 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5250	50	CDD	351/390 (MCS2)	13.72	11.87	15.90	23.98	-8.08
	5570	114	CDD	351/390 (MCS2)	12.83	11.39	15.18	23.98	-8.80

Table 7-87. FCC CDD Diversity 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 5T	Antenna 1b	Summed		
	5250	50	CDD	408/432.4 (MCS2)	13.78	12.25	16.09	23.98	-7.89
	5570	114	CDD	408/432.4 (MCS2)	13.09	11.49	15.37	23.98	-8.61

Table 7-88. FCC CDD Diversity 160MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 72 of 270

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7.4.10 ISED CDD/SDM Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5180	36	CDD	12 (MCS2)	14.35	12.71	16.62	-	-	-1.00	15.62	23.01	-7.39
	5200	40	CDD	12 (MCS2)	14.43	12.73	16.67	-	-	-1.00	15.67	23.01	-7.34
	5240	48	CDD	12 (MCS2)	14.26	12.69	16.56	-	-	-1.00	15.56	23.01	-7.45
	5260	52	CDD	12 (MCS2)	16.91	14.90	19.03	23.98	-4.95	-0.30	18.73	30.00	-11.27
	5300	60	CDD	12 (MCS2)	16.71	15.04	18.96	23.98	-5.02	-0.30	18.66	30.00	-11.34
	5320	64	CDD	12 (MCS2)	16.94	15.07	19.11	23.98	-4.87	-0.30	18.81	30.00	-11.19
	5500	100	CDD	12 (MCS2)	16.99	15.12	19.17	23.98	-4.81	1.60	20.77	30.00	-9.23
	5520	104	CDD	12 (MCS2)	16.79	15.25	19.10	23.98	-4.88	1.60	20.70	30.00	-9.30
	5540	108	CDD	12 (MCS2)	16.99	14.98	19.11	23.98	-4.87	1.60	20.71	30.00	-9.29
	5580	116	CDD	12 (MCS2)	16.96	15.03	19.12	23.98	-4.86	1.60	20.72	30.00	-9.28
	5660	132	CDD	12 (MCS2)	16.65	15.04	18.93	23.98	-5.05	1.60	20.53	30.00	-9.47
	5680	136	CDD	12 (MCS2)	16.86	15.25	19.14	23.98	-4.84	1.60	20.74	30.00	-9.26
	5700	140	CDD	12 (MCS2)	16.64	15.04	18.93	23.98	-5.05	1.60	20.53	30.00	-9.47
	5720	144	CDD	12 (MCS2)	16.80	14.92	18.97	23.98	-5.01	1.60	20.57	30.00	-9.43
	5745	149	CDD	12 (MCS2)	19.40	17.60	21.60	30.00	-8.40	2.30	23.90	-	-
	5785	157	CDD	12 (MCS2)	19.15	17.58	21.45	30.00	-8.55	2.30	23.75	-	-
	5825	165	CDD	12 (MCS2)	19.48	17.48	21.60	30.00	-8.40	2.30	23.90	-	-

Table 7-89. ISED CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5180	36	SDM	39/43.4 (MCS2)	17.50	15.49	19.62	-	-	-1.60	18.02	23.01	-4.99
	5200	40	SDM	39/43.4 (MCS2)	17.16	15.60	19.46	-	-	-1.60	17.86	23.01	-5.15
	5240	48	SDM	39/43.4 (MCS2)	17.11	15.59	19.43	-	-	-1.60	17.83	23.01	-5.18
	5260	52	CDD	39/43.4 (MCS2)	16.99	15.20	19.20	23.98	-4.78	-0.30	18.90	30.00	-11.10
	5300	60	CDD	39/43.4 (MCS2)	16.72	15.13	19.01	23.98	-4.97	-0.30	18.71	30.00	-11.29
	5320	64	CDD	39/43.4 (MCS2)	16.63	15.10	18.94	23.98	-5.04	-0.30	18.64	30.00	-11.36
	5500	100	CDD	39/43.4 (MCS2)	16.82	15.23	19.11	23.98	-4.87	1.60	20.71	30.00	-9.29
	5520	104	CDD	39/43.4 (MCS2)	16.92	15.11	19.12	23.98	-4.86	1.60	20.72	30.00	-9.28
	5540	108	CDD	39/43.4 (MCS2)	16.83	15.11	19.07	23.98	-4.91	1.60	20.67	30.00	-9.33
	5580	116	CDD	39/43.4 (MCS2)	16.99	15.21	19.20	23.98	-4.78	1.60	20.80	30.00	-9.20
	5660	132	CDD	39/43.4 (MCS2)	16.96	14.89	19.05	23.98	-4.93	1.60	20.65	30.00	-9.35
	5680	136	CDD	39/43.4 (MCS2)	16.68	14.87	18.88	23.98	-5.10	1.60	20.48	30.00	-9.52
	5700	140	CDD	39/43.4 (MCS2)	16.93	14.87	19.03	23.98	-4.95	1.60	20.63	30.00	-9.37
	5720	144	CDD	39/43.4 (MCS2)	16.84	15.01	19.03	23.98	-4.95	1.60	20.63	30.00	-9.37
	5745	149	CDD	39/43.4 (MCS2)	19.20	17.71	21.53	30.00	-8.47	2.30	23.83	-	-
	5785	157	CDD	39/43.4 (MCS2)	19.49	17.70	21.70	30.00	-8.30	2.30	24.00	-	-
	5825	165	CDD	39/43.4 (MCS2)	19.25	17.58	21.51	30.00	-8.49	2.30	23.81	-	-

Table 7-90. ISED CDD/SDM Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 73 of 270

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5190	36	SDM	48/251.6 (MCS2)	17.22	15.66	19.52	-	-	-1.60	17.92	23.01	-5.09
	5200	40	SDM	48/251.6 (MCS2)	18.34	16.57	20.56	-	-	-1.60	18.96	23.01	-4.05
	5240	48	SDM	48/251.6 (MCS2)	18.27	16.58	20.52	-	-	-1.60	18.92	23.01	-4.09
	5260	52	CDD	48/251.6 (MCS2)	17.90	16.08	20.09	23.98	-3.89	-0.30	19.79	30.00	-10.21
	5300	60	CDD	48/251.6 (MCS2)	17.75	15.92	19.94	23.98	-4.04	-0.30	19.64	30.00	-10.36
	5320	64	CDD	48/251.6 (MCS2)	17.33	15.57	19.55	23.98	-4.43	-0.30	19.25	30.00	-10.75
	5500	100	CDD	48/251.6 (MCS2)	16.87	14.89	19.00	23.98	-4.98	1.60	20.60	30.00	-9.40
	5520	104	CDD	48/251.6 (MCS2)	17.99	16.06	20.14	23.98	-3.84	1.60	21.74	30.00	-8.26
	5540	108	CDD	48/251.6 (MCS2)	17.99	16.01	20.12	23.98	-3.86	1.60	21.72	30.00	-8.28
	5580	116	CDD	48/251.6 (MCS2)	17.83	15.94	20.00	23.98	-3.98	1.60	21.60	30.00	-8.40
	5660	132	CDD	48/251.6 (MCS2)	17.73	15.97	19.95	23.98	-4.03	1.60	21.55	30.00	-8.45
	5680	136	CDD	48/251.6 (MCS2)	17.61	15.98	19.88	23.98	-4.10	1.60	21.48	30.00	-8.52
	5700	140	CDD	48/251.6 (MCS2)	15.44	13.57	17.61	23.98	-6.37	1.60	19.21	30.00	-10.79
	5720	144	CDD	48/251.6 (MCS2)	17.88	16.22	20.14	23.98	-3.84	1.60	21.74	30.00	-8.26
	5745	149	CDD	48/251.6 (MCS2)	19.47	17.44	21.58	30.00	-8.42	2.30	23.88	-	-
	5785	157	CDD	48/251.6 (MCS2)	19.17	17.39	21.38	30.00	-8.62	2.30	23.68	-	-
	5825	165	CDD	48/251.6 (MCS2)	19.47	17.47	21.59	30.00	-8.41	2.30	23.89	-	-

Table 7-91. ISED CDD/SDM Diversity 20MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5190	38	CDD	80/81 (MCS2)	16.24	14.46	18.45	-	-	-1.00	17.45	23.01	-5.56
	5230	46	SDM	80/81 (MCS2)	19.47	17.48	21.60	-	-	-1.60	20.00	23.01	-3.01
	5270	54	CDD	80/81 (MCS2)	19.39	17.75	21.65	23.98	-2.33	-0.30	21.35	30.00	-8.65
	5310	62	CDD	80/81 (MCS2)	16.27	14.54	18.50	23.98	-5.48	-0.30	18.20	30.00	-11.80
	5510	102	CDD	80/81 (MCS2)	15.83	14.12	18.07	23.98	-5.91	1.60	19.67	30.00	-10.33
	5550	110	CDD	80/81 (MCS2)	18.65	17.15	20.97	23.98	-3.01	1.60	22.57	30.00	-7.43
	5670	134	CDD	80/81 (MCS2)	18.21	16.56	20.47	23.98	-3.51	1.60	22.07	30.00	-7.93
	5710	142	CDD	80/81 (MCS2)	19.27	17.66	21.55	23.98	-2.43	1.60	23.15	30.00	-6.85
	5755	151	CDD	80/81 (MCS2)	19.27	17.54	21.50	30.00	-8.50	2.30	23.80	-	-
	5795	159	CDD	80/81 (MCS2)	19.50	17.45	21.60	30.00	-8.40	2.30	23.90	-	-

Table 7-92. ISED CDD/SDM Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5190	38	CDD	98/103.2 (MCS2)	14.70	12.90	16.90	-	-	-1.00	15.90	23.01	-7.11
	5230	46	SDM	98/103.2 (MCS2)	19.46	17.60	21.64	-	-	-1.60	20.04	23.01	-2.97
	5270	54	CDD	98/103.2 (MCS2)	19.46	17.45	21.58	23.98	-2.40	-0.30	21.28	30.00	-8.72
	5310	62	CDD	98/103.2 (MCS2)	15.30	13.51	17.51	23.98	-6.47	-0.30	17.21	30.00	-12.79
	5510	102	CDD	98/103.2 (MCS2)	14.75	12.92	16.94	23.98	-7.04	1.60	18.54	30.00	-11.46
	5550	110	CDD	98/103.2 (MCS2)	18.09	16.37	20.32	23.98	-3.66	1.60	21.92	30.00	-8.08
	5670	134	CDD	98/103.2 (MCS2)	17.82	16.07	20.04	23.98	-3.94	1.60	21.64	30.00	-8.36
	5710	142	CDD	98/103.2 (MCS2)	19.15	17.51	21.42	23.98	-2.56	1.60	23.02	30.00	-6.98
	5755	151	CDD	98/103.2 (MCS2)	19.27	17.63	21.54	30.00	-8.46	2.30	23.84	-	-
	5795	159	CDD	98/103.2 (MCS2)	19.48	17.53	21.63	30.00	-8.37	2.30	23.93	-	-

Table 7-93. ISED CDD/SDM Diversity 40MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5210	42	CDD	175.6/195 (MCS2)	14.26	12.47	16.47	-	-	-1.00	15.47	23.01	-7.54
	5290	58	CDD	175.6/195 (MCS2)	15.81	14.21	18.09	23.98	-5.89	-0.30	17.79	30.00	-12.21
	5530	106	CDD	175.6/195 (MCS2)	15.02	13.28	17.25	23.98	-6.73	1.60	18.85	30.00	-11.15
	5690	138	CDD	175.6/195 (MCS2)	19.11	17.63	21.44	23.98	-2.54	1.60	23.04	30.00	-6.96
	5775	155	CDD	175.6/195 (MCS2)	17.54	15.93	19.82	30.00	-10.18	2.30	22.12	-	-

Table 7-94. ISED CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5210	42	CDD	204/216.2 (MCS2)	14.48	12.73	16.70	-	-	-1.00	15.70	23.01	-7.31
	5290	58	CDD	204/216.2 (MCS2)	14.71	13.07	16.98	23.98	-7.00	-0.30	16.68	30.00	-13.32
	5530	106	CDD	204/216.2 (MCS2)	13.65	12.17	15.98	23.98	-8.00	1.60	17.58	30.00	-12.42
	5690	138	CDD	204/216.2 (MCS2)	19.39	17.37	21.51	23.98	-2.47	1.60	23.11	30.00	-6.89
	5775	155	CDD	204/216.2 (MCS2)	16.68	15.24	19.03	30.00	-10.97	2.30	21.33	-	-

Table 7-95. ISED CDD Diversity 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	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]
					Antenna 5T	Antenna 1b	Summed						
	5250	50	CDD	351/390 (MCS2)	13.65	11.91	15.88	23.98	-8.10	-1.00	14.88	23.01	-8.13

Table 7-96. ISED CDD Diversity 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	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]
					Antenna 5T	Antenna 1b	Summed						
	5250	50	CDD	408/432.4 (MCS2)	13.78	12.25	16.09	23.98	-7.89	-1.00	15.09	23.01	-7.92

Table 7-97. ISED CDD Diversity 160MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

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Note:

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 5T and Antenna 3b were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2020 Section 14.6.3, 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.

$$\text{Directional gain} = G_{ANT} + \text{Array Gain dBi}$$

Per ANSI C63.10-2020 Section 14.6.3, the uncorrelated 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.

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

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 17.50 dBm for Antenna 5T and 17.14 dBm for Antenna 3b.

$$\text{Antenna 5T} + \text{Antenna 3b} = \text{CDD/SDM}$$

$$(17.50 \text{ dBm} + 17.14 \text{ dBm}) = (56.23 \text{ mW} + 51.76 \text{ mW}) = 107.99 \text{ mW} = 20.33 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 20.33 dBm with directional gain of -1.83 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (2.30)}$$

$$20.33 \text{ dBm} + -1.83 \text{ dBi} = 18.50 \text{ dBm}$$

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7.5 Maximum Power Spectral Density

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); 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 C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2020 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 5.15 – 5.25GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band.

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

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2020 – Section 14.5.2.2 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. Set span to encompass the entire 99% OBW of the signal
3. RBW = 1MHz for U-NII 1, U-NII 2A, U-NII 2C; 500kHz for U-NII 3
4. VBW ≥ 3MHz for U-NII 1, U-NII 2A, U-NII 2C; ≥ 3 x RBW for U-NII 3
5. Number of sweep points ≥ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All data rates were investigated, and tabular data has been reported. Only the worst-case plot was reported per bandwidth.

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7.5.1 Antenna 5T Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	8.18	11.00	-2.82
	5200	40	n (20MHz)	39/43.3 (MCS4)	9.50	11.00	-1.50
	5240	48	n (20MHz)	39/43.3 (MCS4)	9.82	11.00	-1.19
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	6.13	11.00	-4.87
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	8.30	11.00	-2.71
	5240	48	ax (SU) (20MHz)	135/143.4 (MCS11)	8.48	11.00	-2.52
	5190	38	n (40MHz)	81/90 (MCS4)	3.73	11.00	-7.28
	5230	46	n (40MHz)	40/40.5 (MCS2)	6.70	11.00	-4.31
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	1.04	11.00	-9.96
	5230	46	ax (SU) (40MHz)	271/286 (MCS11)	5.72	11.00	-5.28
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-0.98	11.00	-11.98
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.12	11.00	-13.12
Band 1/2	5250	50	ac (160MHz)	175.5/195 (MCS4)	-4.38	11.00	-15.38
	5250	50	ax (SU) (160MHz)	102/108.1 (MCS2)	-5.85	11.00	-16.85
Band 2A	5260	52	n (20MHz)	39/43.3 (MCS4)	9.65	11.00	-1.35
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	9.60	11.00	-1.40
	5320	64	n (20MHz)	19.5/21.7 (MCS2)	8.09	11.00	-2.91
	5260	52	ax (SU) (20MHz)	24/25.8 (MCS2)	8.22	11.00	-2.78
	5300	60	ax (SU) (20MHz)	135/143.4 (MCS11)	8.04	11.00	-2.96
	5320	64	ax (SU) (20MHz)	24/25.8 (MCS2)	5.66	11.00	-5.34
	5270	54	n (40MHz)	40/40.5 (MCS2)	6.75	11.00	-4.25
	5310	62	n (40MHz)	40/40.5 (MCS2)	3.61	11.00	-7.39
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	5.30	11.00	-5.70
	5310	62	ax (SU) (40MHz)	49/51.6 (MCS2)	2.38	11.00	-8.62
	5290	58	ac (80MHz)	87.8/97.5 (MCS2)	0.95	11.00	-10.05
	5290	58	ax (SU) (80MHz)	102/108.1 (MCS2)	-0.38	11.00	-11.38
Band 2C	5500	100	n (20MHz)	19.5/21.7 (MCS2)	7.44	11.00	-3.56
	5580	116	n (20MHz)	39/43.3 (MCS4)	10.11	11.00	-0.89
	5700	140	n (20MHz)	19.5/21.7 (MCS2)	7.09	11.00	-3.91
	5720	144	n (20MHz)	19.5/21.7 (MCS2)	9.68	11.00	-1.32
	5500	100	ax (SU) (20MHz)	24/25.8 (MCS2)	5.94	11.00	-5.06
	5580	116	ax (SU) (20MHz)	135/143.4 (MCS11)	8.39	11.00	-2.61
	5700	140	ax (SU) (20MHz)	24/25.8 (MCS2)	5.45	11.00	-5.55
	5720	144	ax (SU) (20MHz)	135/143.4 (MCS11)	8.46	11.00	-2.54
	5510	102	n (40MHz)	40/40.5 (MCS2)	3.23	11.00	-7.77
	5550	110	n (40MHz)	81/90 (MCS4)	5.96	11.00	-5.04
	*5590	118	n (40MHz)	81/90 (MCS4)	6.78	11.00	-4.22
	5670	134	n (40MHz)	40/40.5 (MCS2)	5.60	11.00	-5.40
	5710	142	n (40MHz)	40/40.5 (MCS2)	6.79	11.00	-4.21
	5510	102	ax (SU) (40MHz)	49/51.6 (MCS2)	1.94	11.00	-9.06
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	4.13	11.00	-6.87
	*5590	118	ax (SU) (40MHz)	271/286 (MCS11)	5.58	11.00	-5.42
	5670	134	ax (SU) (40MHz)	49/51.6 (MCS2)	3.70	11.00	-7.30
	5710	142	ax (SU) (40MHz)	271/286 (MCS11)	5.35	11.00	-5.65
	5530	106	ac (80MHz)	87.8/97.5 (MCS2)	-0.08	11.00	-11.08
	*5610	122	ac (80MHz)	87.8/97.5 (MCS2)	3.54	11.00	-7.46
	5690	138	ac (80MHz)	175.5/195 (MCS4)	3.55	11.00	-7.46
	5530	106	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.84	11.00	-13.84
	*5610	122	ax (SU) (80MHz)	102/108.1 (MCS2)	1.32	11.00	-9.68
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	2.51	11.00	-8.49
	*5570	114	ac (160MHz)	175.5/195 (MCS4)	-4.75	11.00	-15.75
	*5570	114	ax (SU) (160MHz)	204/216.2 (MCS4)	-6.15	11.00	-17.15

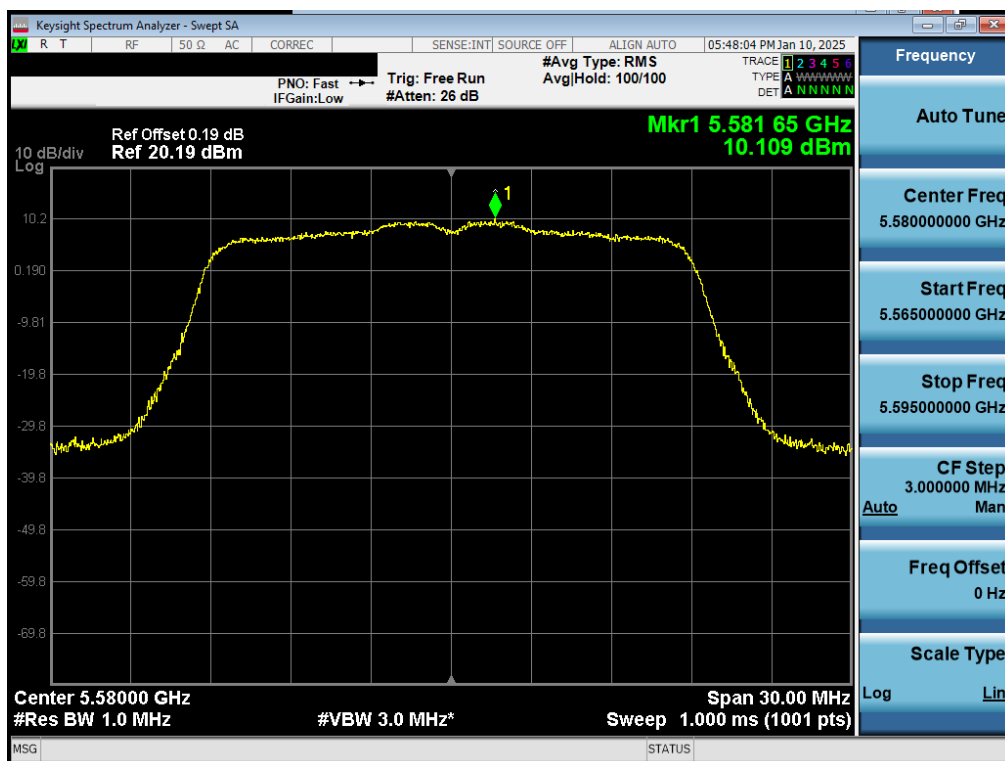
Table 7-98. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 5T

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

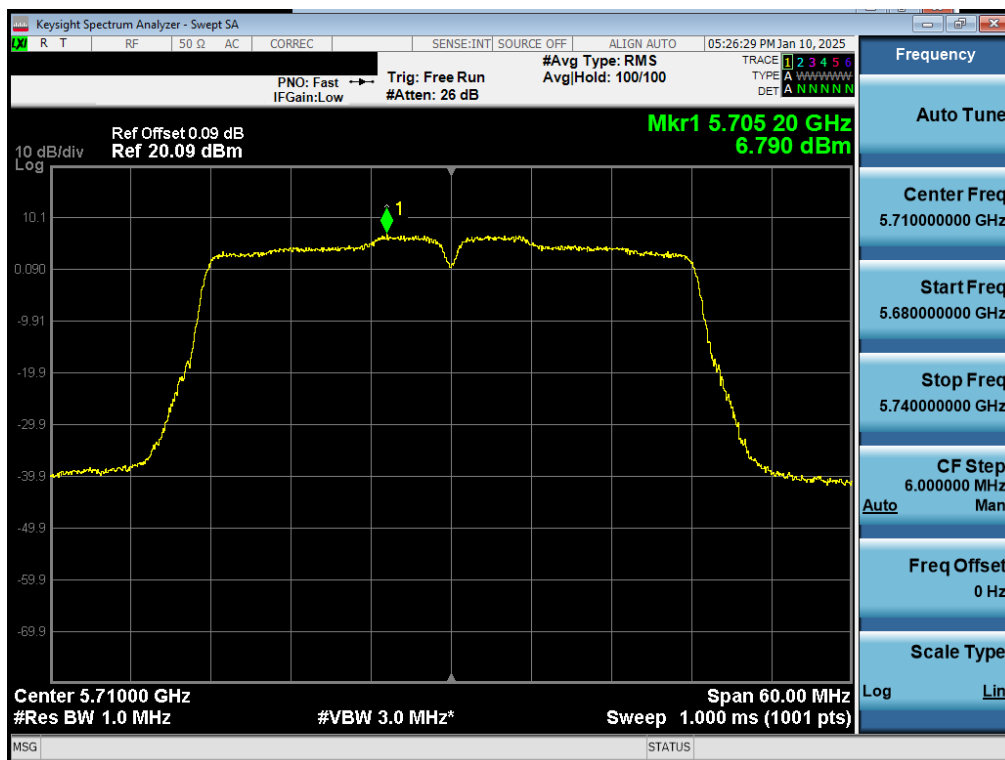
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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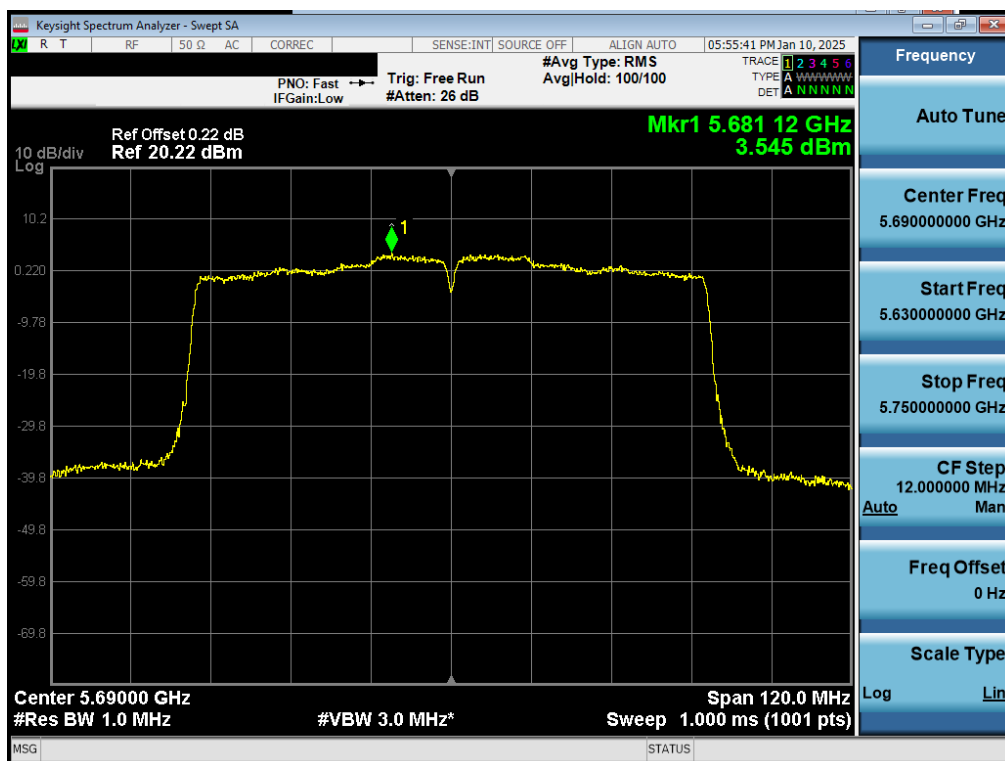
Plot 7-22. PSD Antenna 5T (20MHz BW 802.11n – Ch.116)



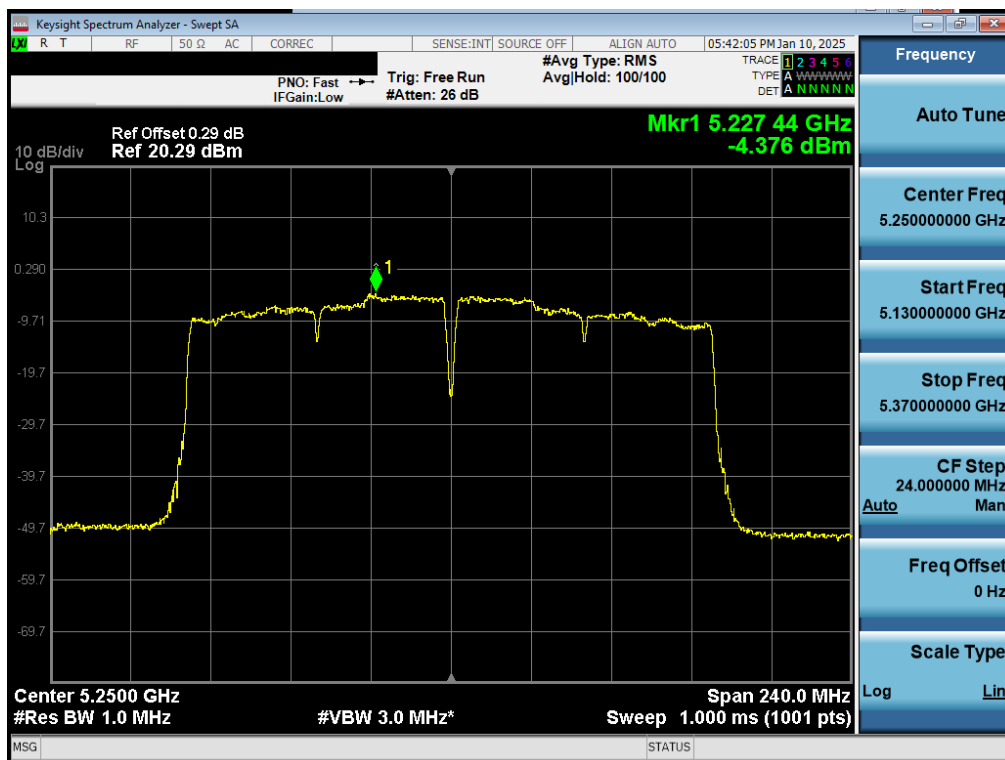
Plot 7-23. PSD Antenna 5T (40MHz BW 802.11n – Ch. 142)

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Plot 7-24. PSD Antenna 5T (80MHz BW 802.11ac – Ch. 138)



Plot 7-25. PSD Antenna 5T (160MHz BW 802.11ac – Ch. 50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 80 of 270

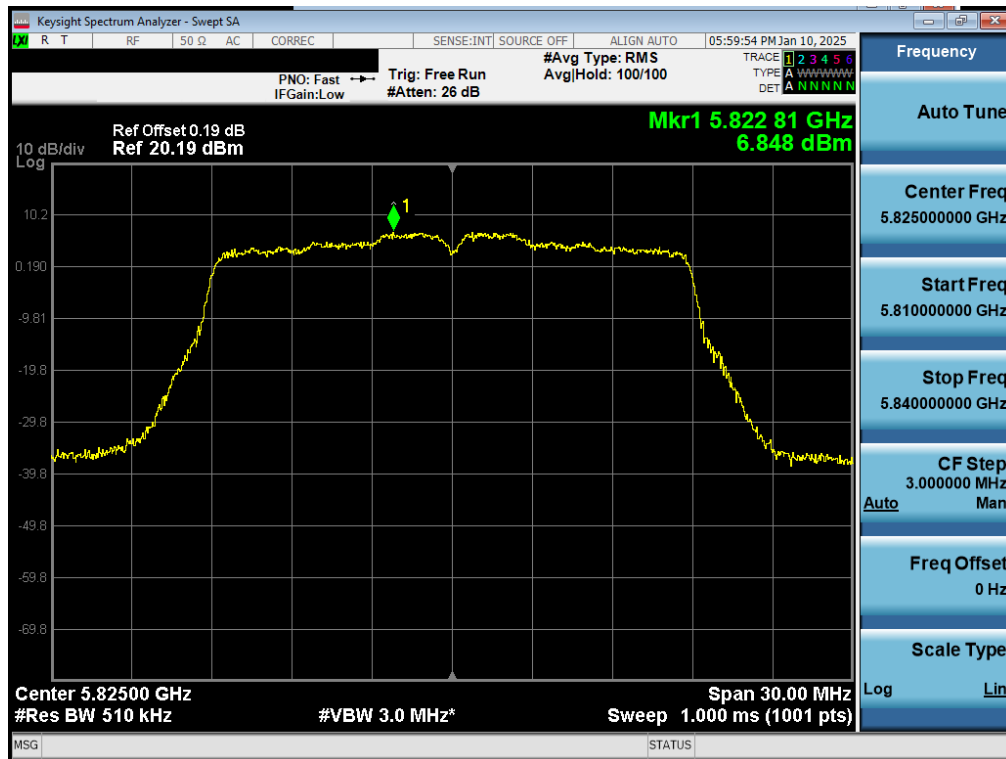
V 10.6 10/27/2023

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	39/43.3 (MCS4)	6.71	30.0	-23.29
	5785	157	n (20MHz)	39/43.3 (MCS4)	6.83	30.0	-23.17
	5825	165	n (20MHz)	39/43.3 (MCS4)	6.85	30.0	-23.15
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	5.92	30.0	-24.08
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	5.81	30.0	-24.19
	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	5.48	30.0	-24.52
	5755	151	n (40MHz)	81/90 (MCS4)	3.96	30.0	-26.04
	5795	159	n (40MHz)	81/90 (MCS4)	3.48	30.0	-26.52
	5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	2.96	30.0	-27.05
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	2.55	30.0	-27.45
	5775	155	ac (80MHz)	175.5/195 (MCS4)	-1.21	30.0	-31.21
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.70	30.0	-32.70

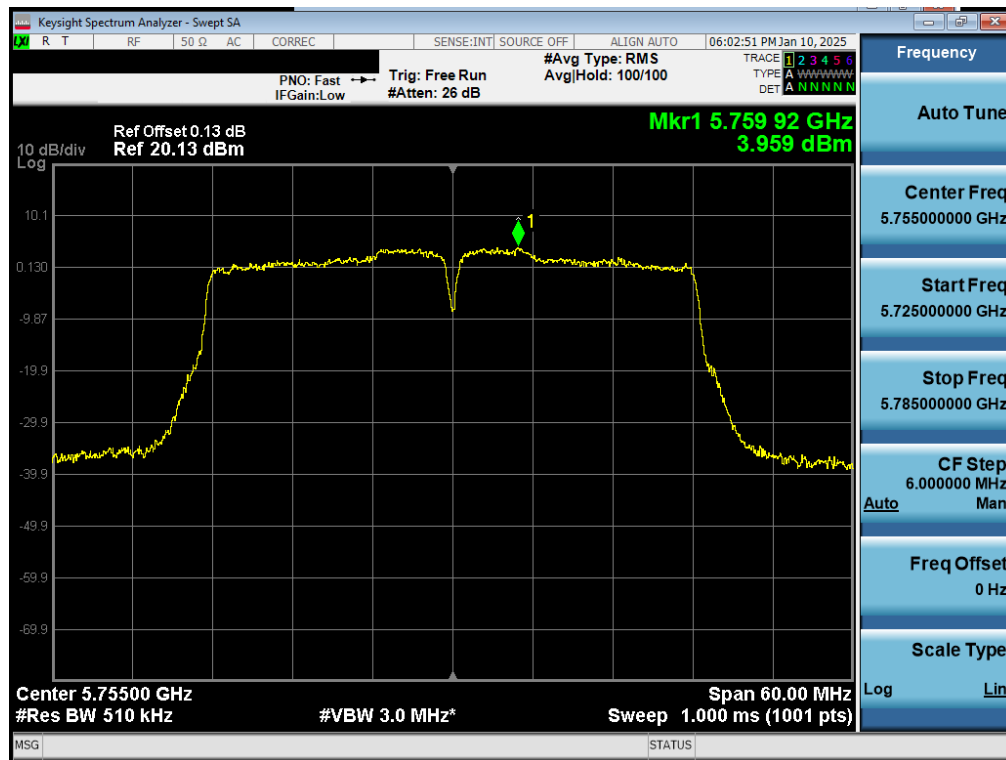
Table 7-99. Band 3 Power Spectral Density Measurements Antenna 5T

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 81 of 270

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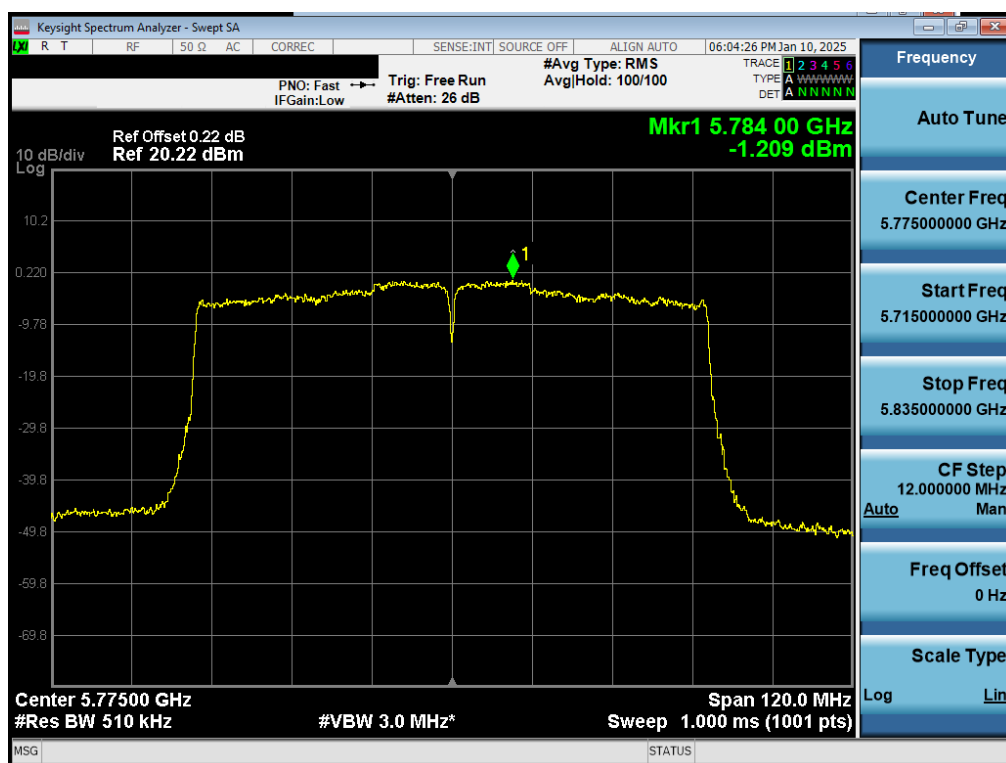


Plot 7-26. PSD Antenna 5T (20MHz BW 802.11n – Ch. 165)



Plot 7-27. PSD Antenna 5T (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 82 of 270



Plot 7-28. PSD Antenna 5T (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3269 IC: 579C-A3269		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 83 of 270

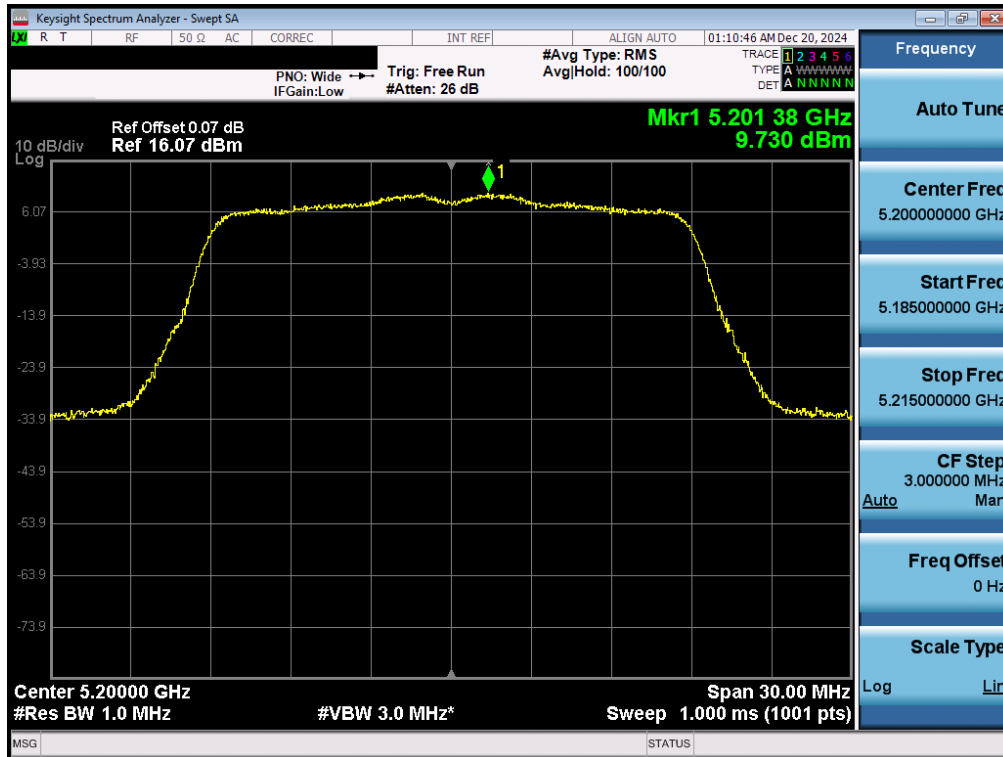
V 10.6 10/27/2023

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	8.56	-2.30	6.26	10.0	-3.74
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	9.73	-2.30	7.43	10.0	-2.57
	5240	48	n (20MHz)	39/43.3 (MCS4)	9.63	-2.30	7.33	10.0	-2.68
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	6.69	-2.30	4.39	10.0	-5.61
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	8.35	-2.30	6.05	10.0	-3.96
	5240	48	ax (SU) (20MHz)	135/143.4 (MCS11)	8.35	-2.30	6.05	10.0	-3.95
	5190	38	n (40MHz)	81/90 (MCS4)	4.03	-2.30	1.73	10.0	-8.28
	5230	46	n (40MHz)	81/90 (MCS4)	6.74	-2.30	4.44	10.0	-5.56
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	1.13	-2.30	-1.17	10.0	-11.17
	5230	46	ax (SU) (40MHz)	271/286 (MCS11)	5.57	-2.30	3.27	10.0	-6.73
	5210	42	ac (80MHz)	175.5/195 (MCS4)	-1.01	-2.30	-3.31	10.0	-13.31
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.18	-2.30	-4.48	10.0	-14.48
Band 1/2	5250	50	ac (160MHz)	175.5/195 (MCS4)	-4.43	-2.30	-6.73	10.0	-16.73
	5250	50	ax (SU) (160MHz)	567/600.5 (MCS11)	-5.28	-2.30	-7.58	10.0	-17.58

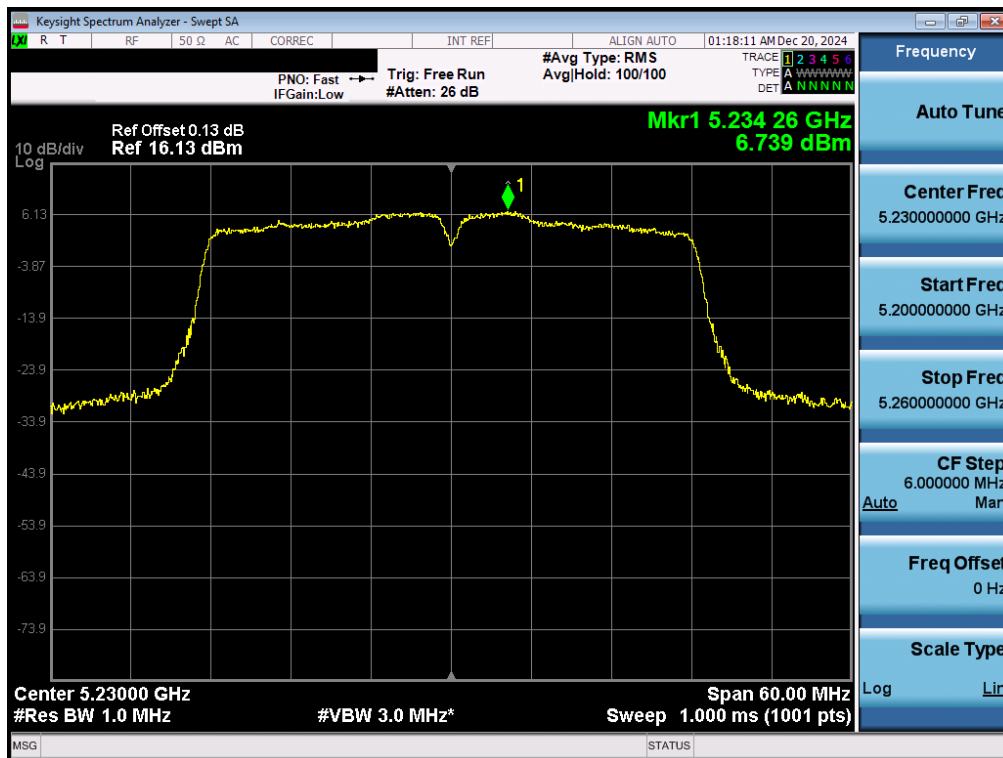
Table 7-100. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 5T

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 84 of 270

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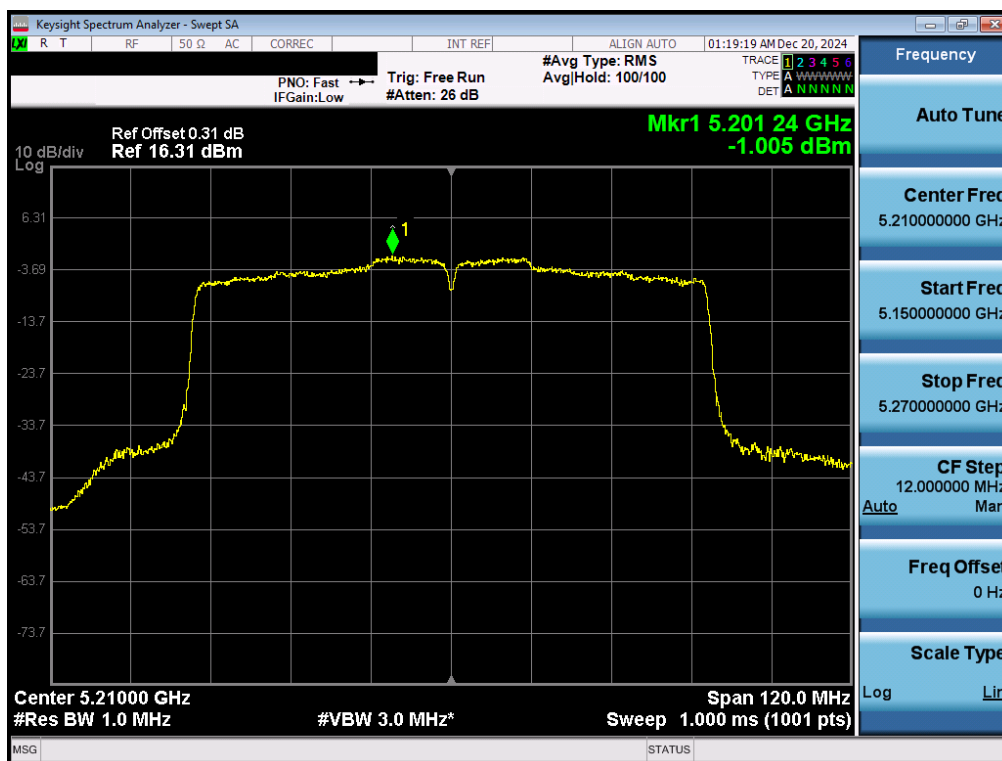


Plot 7-29. ISED PSD Antenna 5T (20MHz BW 11n – Ch.40)

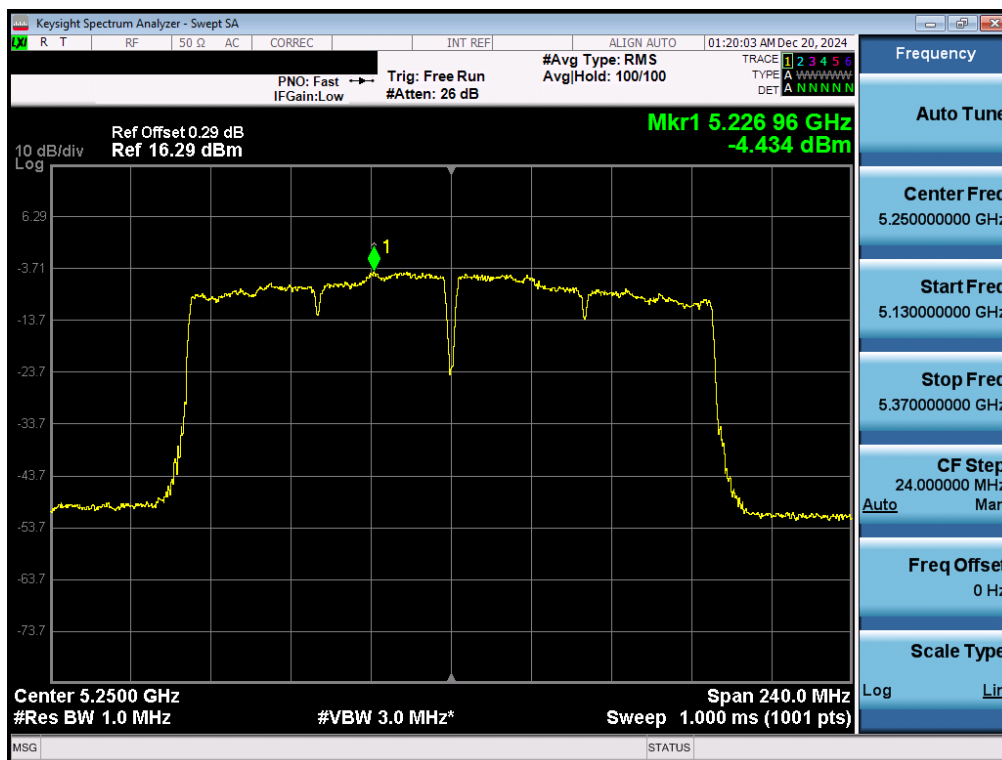


Plot 7-30. ISED PSD Antenna 5T (40MHz BW 11n – Ch.46)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 85 of 270



Plot 7-31. ISED PSD Antenna 5T (80MHz BW 11ac – Ch.42)



Plot 7-32. ISED PSD Antenna 5T (160MHz BW 11ac – Ch.50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 86 of 270

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7.5.2 Antenna 3b Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	8.15	11.00	-2.85
	5200	40	n (20MHz)	39/43.3 (MCS4)	9.55	11.00	-1.45
	5240	48	n (20MHz)	39/43.3 (MCS4)	9.81	11.00	-1.19
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	6.01	11.00	-4.99
	5200	40	ax (SU) (20MHz)	135/143.4 (MCS11)	8.06	11.00	-2.94
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	8.43	11.00	-2.57
	5190	38	n (40MHz)	81/90 (MCS4)	3.56	11.00	-7.44
	5230	46	n (40MHz)	40/40.5 (MCS2)	6.67	11.00	-4.34
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	1.20	11.00	-9.80
	5230	46	ax (SU) (40MHz)	49/51.6 (MCS2)	5.69	11.00	-5.31
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-0.74	11.00	-11.74
Band 1/2	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.38	11.00	-13.38
	5250	50	ac (160MHz)	175.5/195 (MCS4)	-4.91	11.00	-15.91
Band 2A	5250	50	ax (SU) (160MHz)	204/216.2 (MCS4)	-6.04	11.00	-17.04
	5260	52	n (20MHz)	19.5/21.7 (MCS2)	9.55	11.00	-1.45
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	9.73	11.00	-1.27
	5320	64	n (20MHz)	19.5/21.7 (MCS2)	8.32	11.00	-2.68
	5260	52	ax (SU) (20MHz)	135/143.4 (MCS11)	8.56	11.00	-2.44
	5300	60	ax (SU) (20MHz)	135/143.4 (MCS11)	8.19	11.00	-2.81
	5320	64	ax (SU) (20MHz)	24/25.8 (MCS2)	6.05	11.00	-4.95
	5270	54	n (40MHz)	81/90 (MCS4)	6.52	11.00	-4.49
	5310	62	n (40MHz)	40/40.5 (MCS2)	3.56	11.00	-7.44
	5270	54	ax (SU) (40MHz)	98/103.2 (MCS4)	5.37	11.00	-5.63
	5310	62	ax (SU) (40MHz)	49/51.6 (MCS2)	1.94	11.00	-9.06
	5290	58	ac (80MHz)	87.8/97.5 (MCS2)	1.28	11.00	-9.72
	5290	58	ax (SU) (80MHz)	102/108.1 (MCS2)	-0.01	11.00	-11.01
	5500	100	n (20MHz)	19.5/21.7 (MCS2)	7.24	11.00	-3.76
	5580	116	n (20MHz)	39/43.3 (MCS4)	9.76	11.00	-1.24
	5700	140	n (20MHz)	19.5/21.7 (MCS2)	7.08	11.00	-3.93
Band 2C	5720	144	n (20MHz)	19.5/21.7 (MCS2)	9.56	11.00	-1.44
	5500	100	ax (SU) (20MHz)	24/25.8 (MCS2)	5.79	11.00	-5.21
	5580	116	ax (SU) (20MHz)	135/143.4 (MCS11)	8.59	11.00	-2.41
	5700	140	ax (SU) (20MHz)	24/25.8 (MCS2)	5.54	11.00	-5.46
	5720	144	ax (SU) (20MHz)	24/25.8 (MCS2)	8.25	11.00	-2.75
	5510	102	n (40MHz)	40/40.5 (MCS2)	3.57	11.00	-7.43
	5550	110	n (40MHz)	81/90 (MCS4)	6.06	11.00	-4.94
	*5590	118	n (40MHz)	81/90 (MCS4)	6.90	11.00	-4.10
	5670	134	n (40MHz)	40/40.5 (MCS2)	5.84	11.00	-5.16
	5710	142	n (40MHz)	81/90 (MCS4)	6.61	11.00	-4.39
	5510	102	ax (SU) (40MHz)	49/51.6 (MCS2)	1.94	11.00	-9.06
	5550	110	ax (SU) (40MHz)	271/286 (MCS11)	3.98	11.00	-7.02
	*5590	118	ax (SU) (40MHz)	98/103.2 (MCS4)	5.54	11.00	-5.46
	5670	134	ax (SU) (40MHz)	49/51.6 (MCS2)	3.43	11.00	-7.57
	5710	142	ax (SU) (40MHz)	271/286 (MCS11)	5.33	11.00	-5.67
	5530	106	ac (80MHz)	87.8/97.5 (MCS2)	-0.07	11.00	-11.07
	*5610	122	ac (80MHz)	87.8/97.5 (MCS2)	3.83	11.00	-7.17
	5690	138	ac (80MHz)	175.5/195 (MCS4)	3.62	11.00	-7.38
	5530	106	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.52	11.00	-13.52
	*5610	122	ax (SU) (80MHz)	102/108.1 (MCS2)	1.14	11.00	-9.86
	5690	138	ax (SU) (80MHz)	102/108.1 (MCS2)	2.33	11.00	-8.68
	*5570	114	ac (160MHz)	87.8/97.5 (MCS2)	-5.18	11.00	-16.18
	*5570	114	ax (SU) (160MHz)	204/216.2 (MCS4)	-6.36	11.00	-17.36

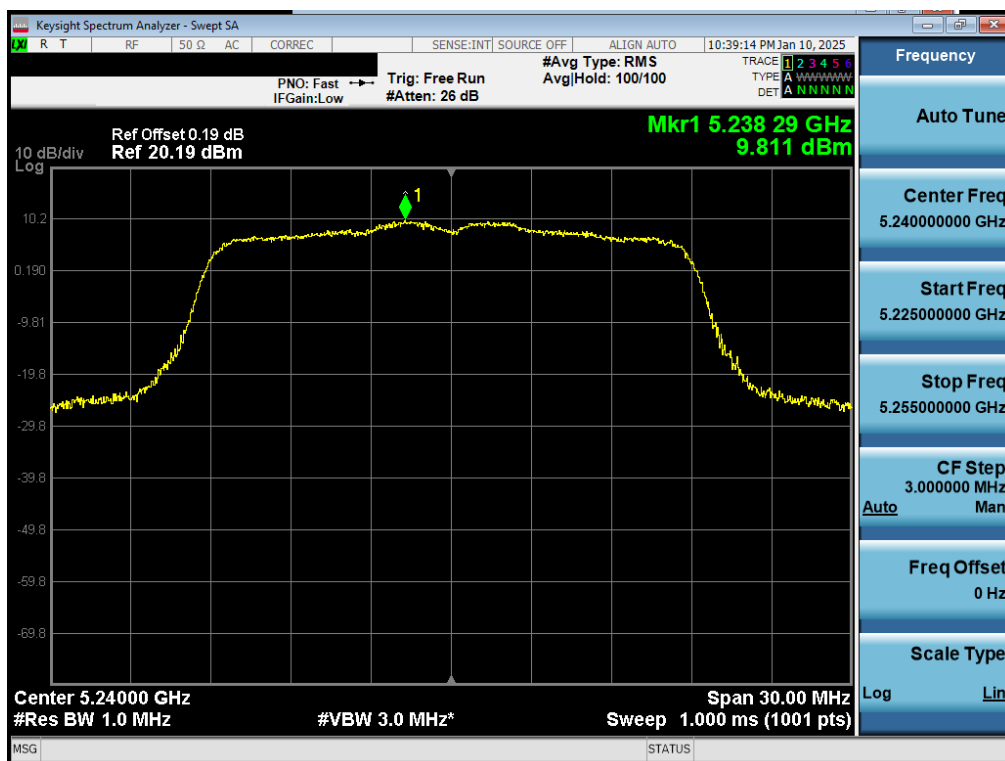
Table 7-101. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 3b

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

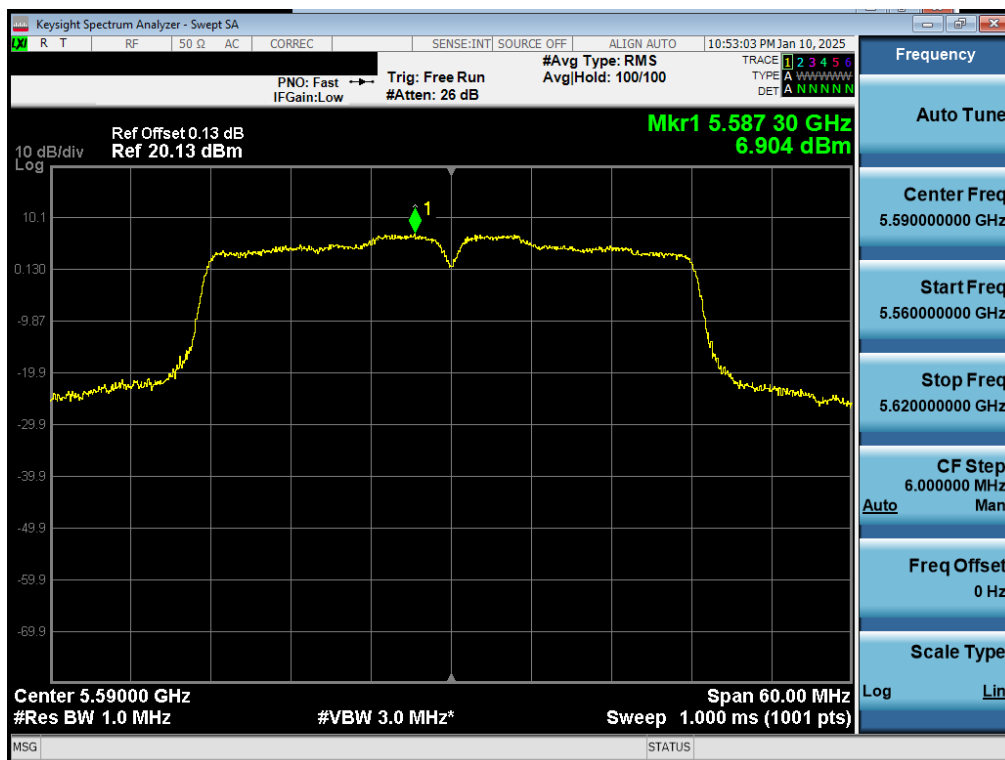
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 87 of 270

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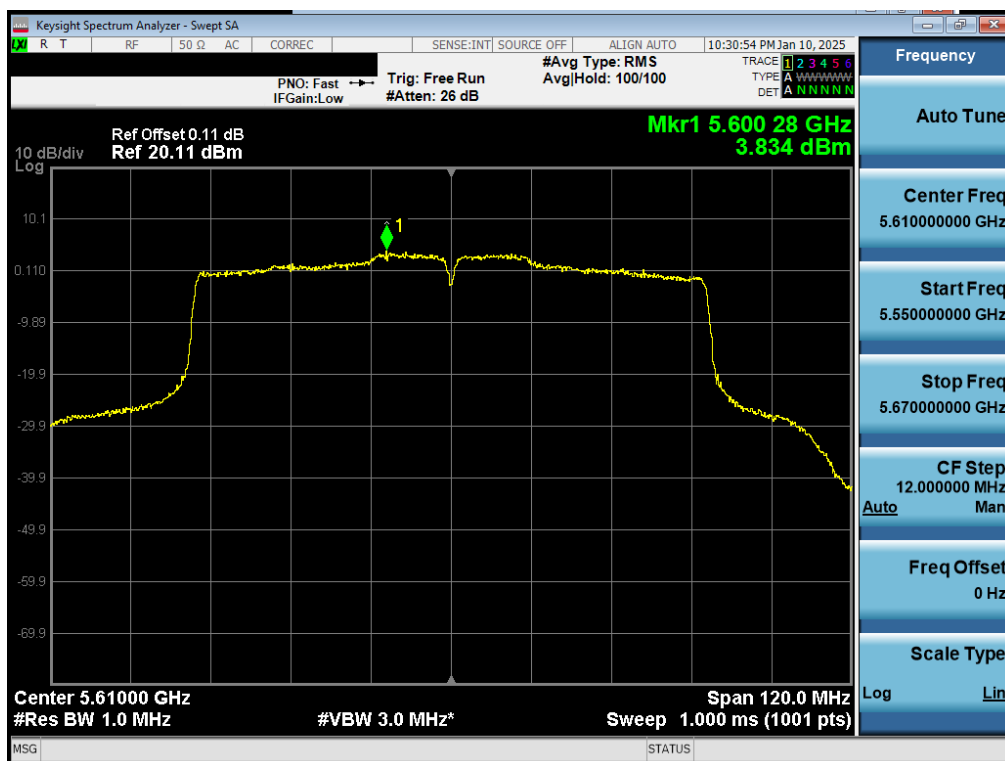
Plot 7-33. PSD Antenna 3b (20MHz BW 802.11n – Ch.48)



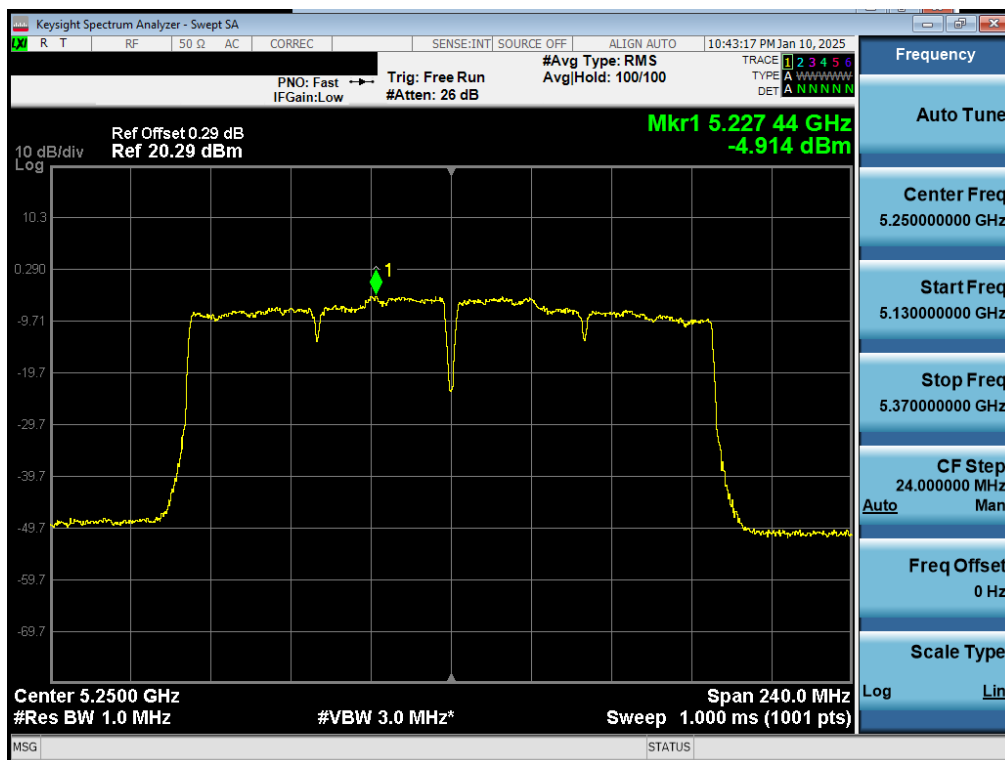
Plot 7-34. PSD Antenna 3b (40MHz BW 802.11n – Ch. 118)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 88 of 270

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Plot 7-35. PSD Antenna 3b (80MHz BW 802.11ac – Ch. 122)



Plot 7-36. PSD Antenna 3b (160MHz BW 802.11ac – Ch. 50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 89 of 270

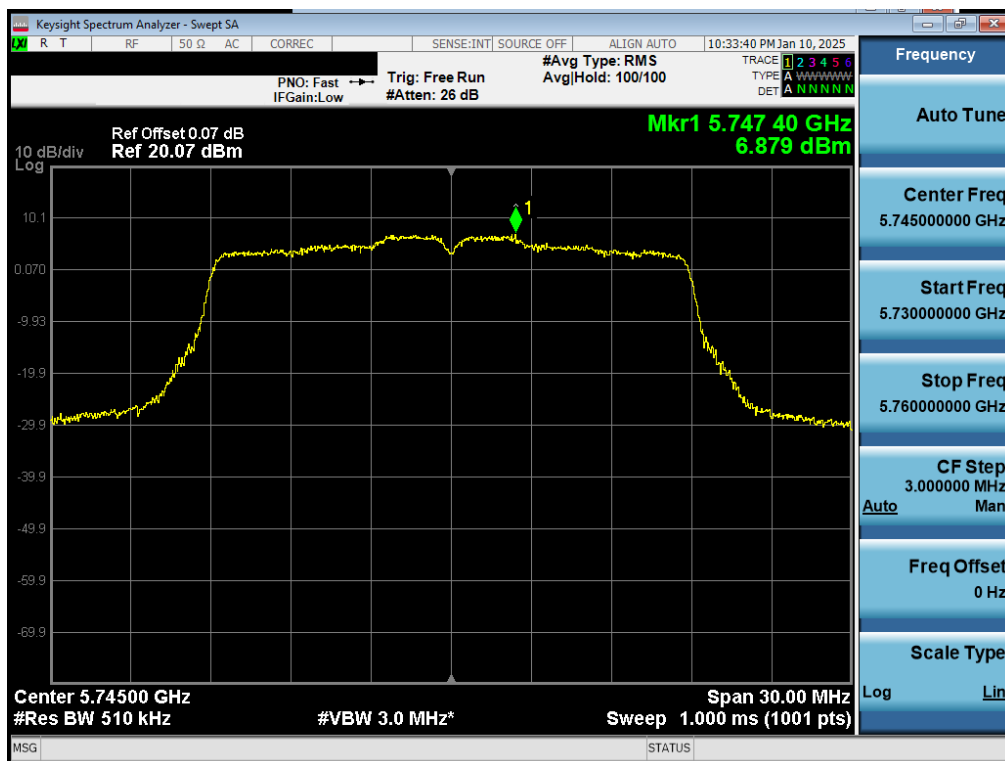
V 10.6 10/27/2023

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	6.88	30.0	-23.12
	5785	157	n (20MHz)	39/43.3 (MCS4)	6.76	30.0	-23.24
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	6.76	30.0	-23.24
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	5.42	30.0	-24.58
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	5.34	30.0	-24.66
	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	5.51	30.0	-24.49
	5755	151	n (40MHz)	40/40.5 (MCS2)	3.91	30.0	-26.09
	5795	159	n (40MHz)	81/90 (MCS4)	3.60	30.0	-26.40
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	2.65	30.0	-27.35
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	2.61	30.0	-27.39
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	-1.24	30.0	-31.24
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.79	30.0	-32.79

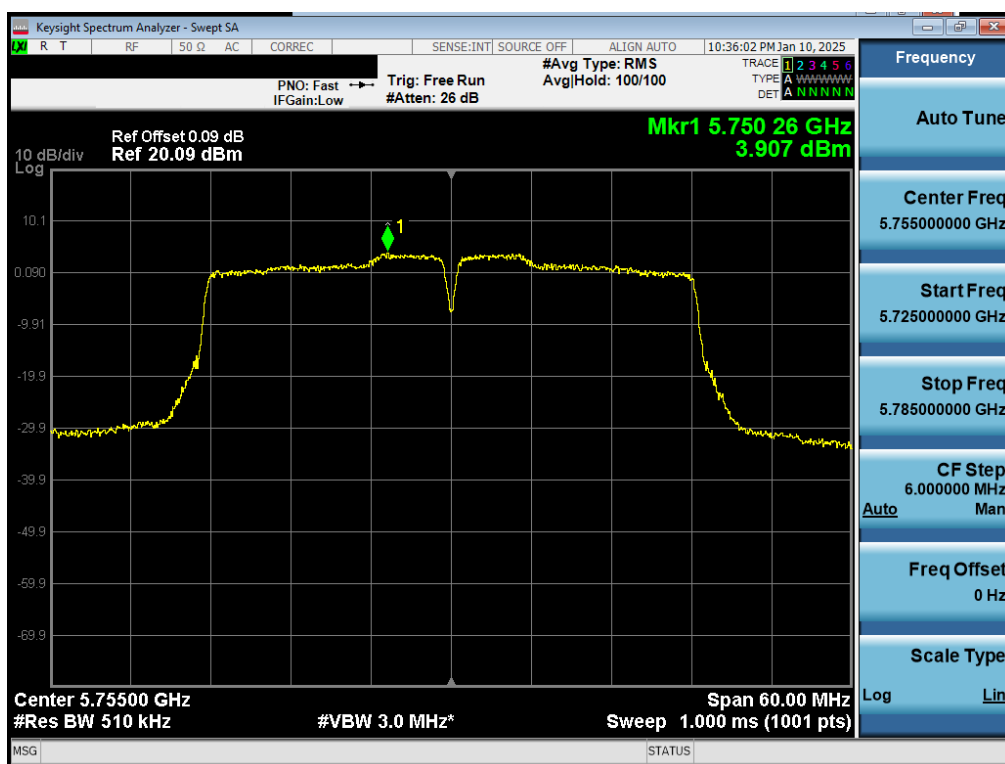
Table 7-102. Band 3 Power Spectral Density Measurements Antenna 3b

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 90 of 270

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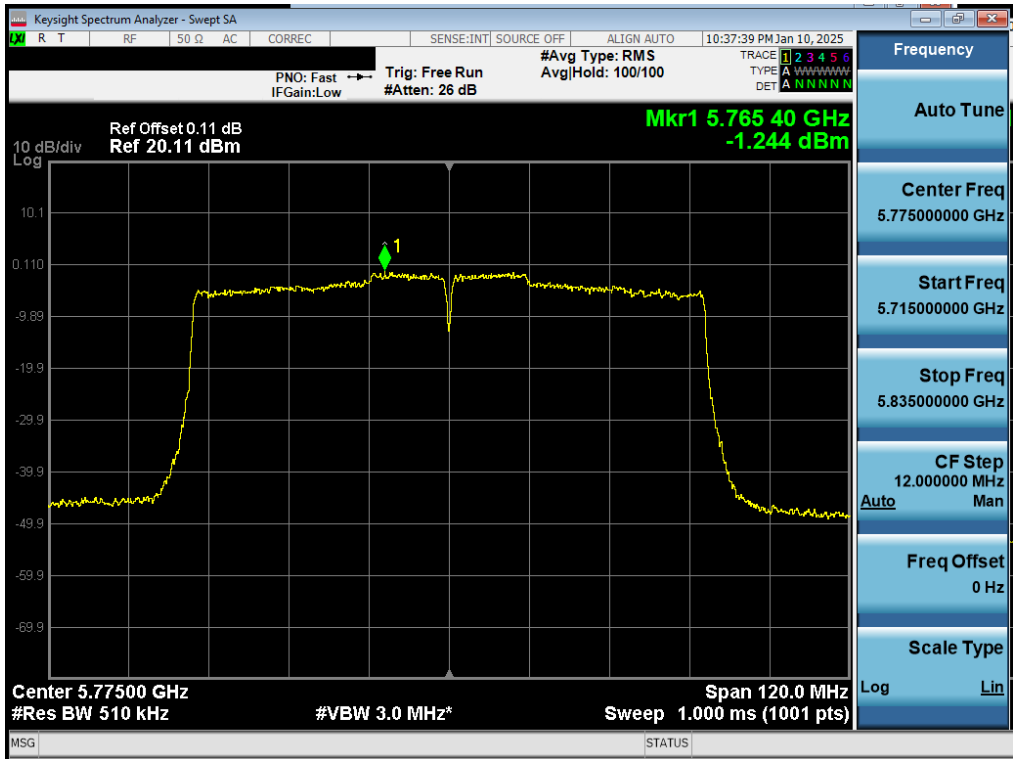


Plot 7-37. PSD Antenna 3b (20MHz BW 802.11n – Ch. 149)



Plot 7-38. PSD Antenna 3b (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 91 of 270



Plot 7-39. PSD Antenna 3b (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 92 of 270

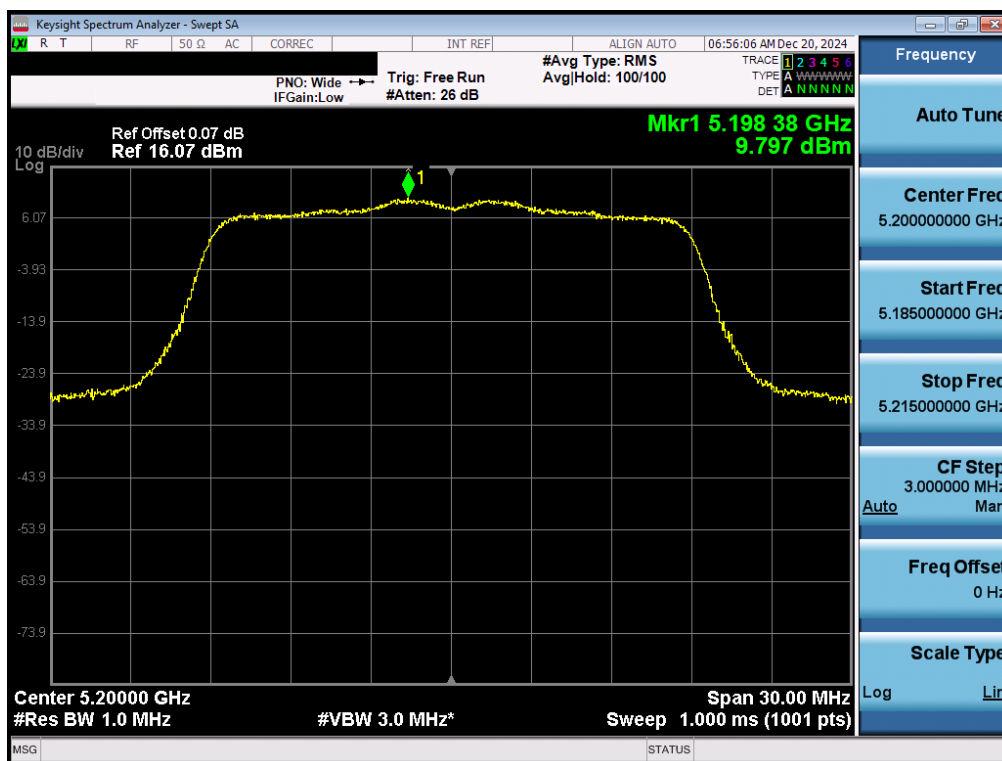
V 10.6 10/27/2023

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	8.55	-1.40	7.15	10.0	-2.85
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	9.80	-1.40	8.40	10.0	-1.60
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	9.74	-1.40	8.34	10.0	-1.66
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	6.86	-1.40	5.46	10.0	-4.54
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	8.48	-1.40	7.08	10.0	-2.92
	5240	48	ax (SU) (20MHz)	135/143.4 (MCS11)	8.22	-1.40	6.82	10.0	-3.18
	5190	38	n (40MHz)	81/90 (MCS4)	3.84	-1.40	2.44	10.0	-7.56
	5230	46	n (40MHz)	40/40.5 (MCS2)	6.72	-1.40	5.32	10.0	-4.68
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	1.63	-1.40	0.23	10.0	-9.77
	5230	46	ax (SU) (40MHz)	271/286 (MCS11)	5.74	-1.40	4.34	10.0	-5.66
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-0.74	-1.40	-2.14	10.0	-12.14
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-1.38	-1.40	-2.78	10.0	-12.78
Band 1/2	5250	50	ac (160MHz)	175.5/195 (MCS4)	-4.29	-1.40	-5.69	10.0	-15.69
	5250	50	ax (SU) (160MHz)	102/108.1 (MCS2)	-5.33	-1.40	-6.73	10.0	-16.73

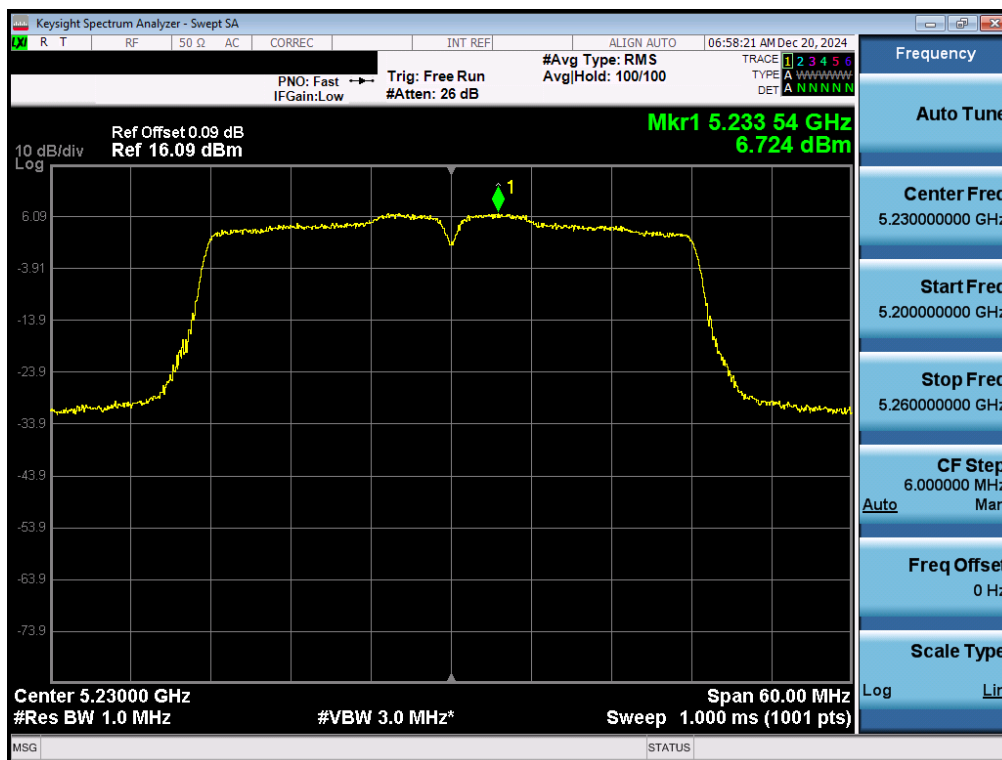
Table 7-103. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3b

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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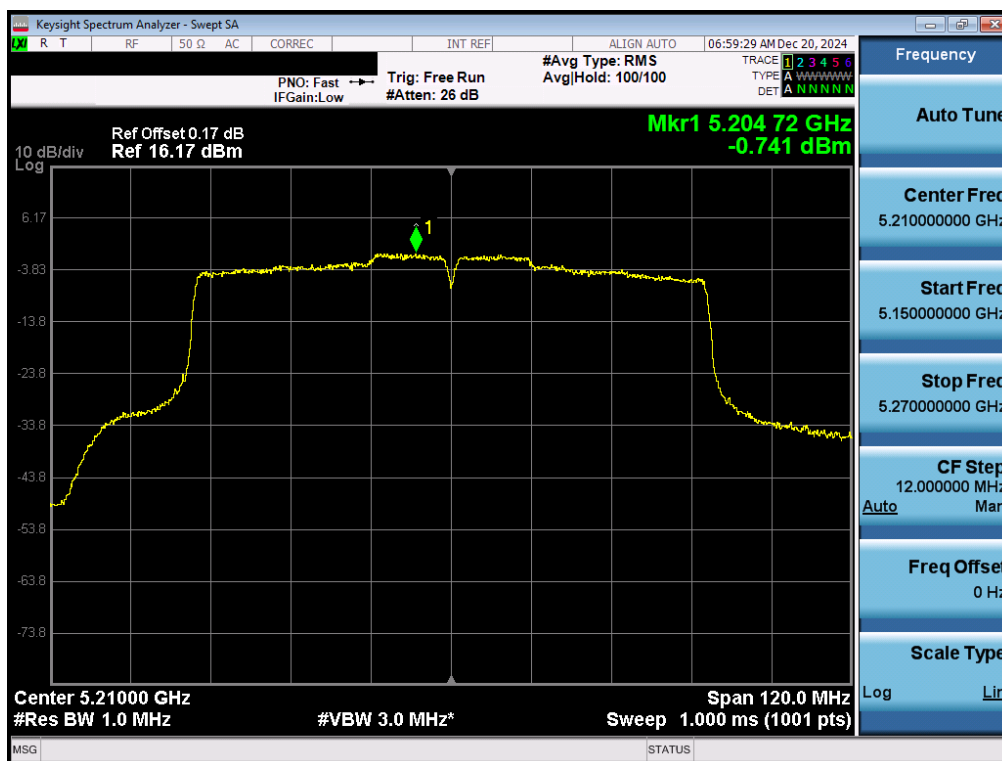
Plot 7-40. ISED PSD Antenna 3b (20MHz BW 11n – Ch.40)



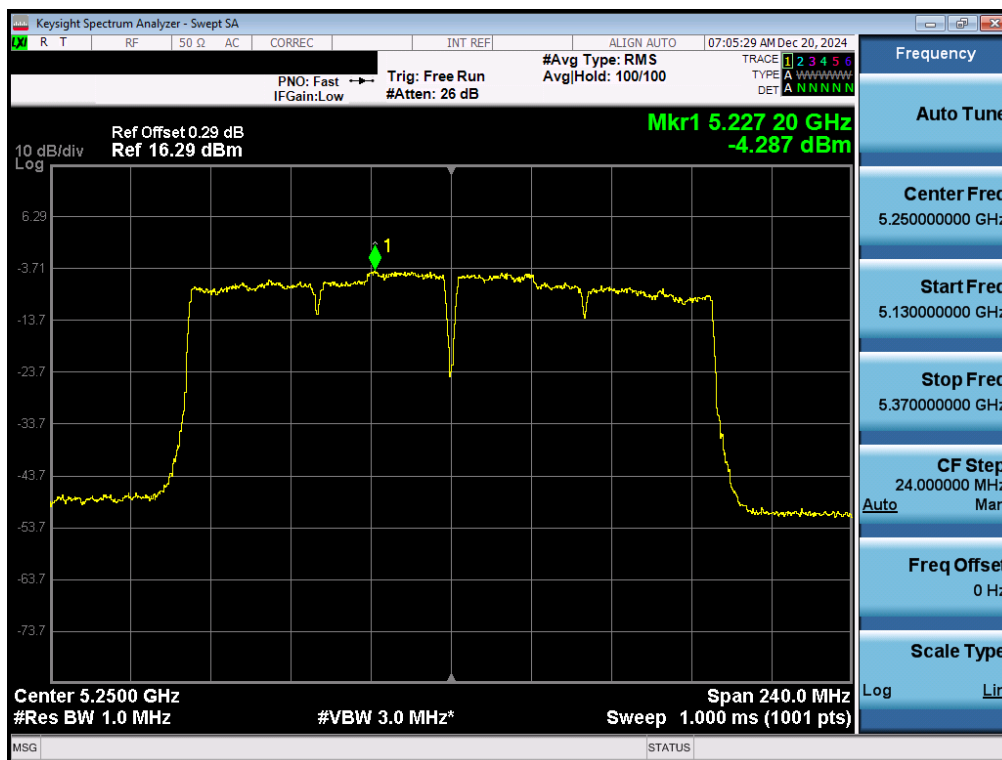
Plot 7-41. ISED PSD Antenna 3b (40MHz BW 11n – Ch.46)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 94 of 270

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Plot 7-42. ISED PSD Antenna 3b (80MHz BW 11ac – Ch.42)



Plot 7-43. ISED PSD Antenna 3b (160MHz BW 11ac – Ch.50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 95 of 270

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7.5.3 Antenna 1b Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	6.65	11.00	-4.35
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	7.66	11.00	-3.34
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	7.82	11.00	-3.18
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	4.34	11.00	-6.66
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	6.38	11.00	-4.62
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	6.46	11.00	-4.54
	5190	38	n (40MHz)	81/90 (MCS4)	1.60	11.00	-9.40
	5230	46	n (40MHz)	40/40.5 (MCS2)	4.58	11.00	-6.42
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	-0.74	11.00	-11.74
	5230	46	ax (SU) (40MHz)	271/286 (MCS11)	3.58	11.00	-7.42
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-2.90	11.00	-13.90
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-4.20	11.00	-15.20
Band 1/2	5250	50	ac (160MHz)	175.5/195 (MCS4)	-7.03	11.00	-18.03
	5250	50	ax (SU) (160MHz)	204/216.2 (MCS4)	-7.89	11.00	-18.89
Band 2A	5260	52	n (20MHz)	19.5/21.7 (MCS2)	7.84	11.00	-3.16
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	7.65	11.00	-3.35
	5320	64	n (20MHz)	19.5/21.7 (MCS2)	6.47	11.00	-4.54
	5260	52	ax (SU) (20MHz)	135/143.4 (MCS11)	6.72	11.00	-4.28
	5300	60	ax (SU) (20MHz)	135/143.4 (MCS11)	6.29	11.00	-4.71
	5320	64	ax (SU) (20MHz)	24/25.8 (MCS2)	3.69	11.00	-7.31
	5270	54	n (40MHz)	81/90 (MCS4)	5.00	11.00	-6.00
	5310	62	n (40MHz)	40/40.5 (MCS2)	1.95	11.00	-9.06
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	3.43	11.00	-7.57
	5310	62	ax (SU) (40MHz)	49/51.6 (MCS2)	0.44	11.00	-10.56
	5290	58	ac (80MHz)	87.8/97.5 (MCS2)	-1.05	11.00	-12.05
	5290	58	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.07	11.00	-13.07
Band 2C	5500	100	n (20MHz)	19.5/21.7 (MCS2)	5.65	11.00	-5.36
	5580	116	n (20MHz)	39/43.3 (MCS4)	7.98	11.00	-3.02
	5700	140	n (20MHz)	19.5/21.7 (MCS2)	5.43	11.00	-5.57
	5720	144	n (20MHz)	19.5/21.7 (MCS2)	7.95	11.00	-3.05
	5500	100	ax (SU) (20MHz)	24/25.8 (MCS2)	4.16	11.00	-6.84
	5580	116	ax (SU) (20MHz)	135/143.4 (MCS11)	6.75	11.00	-4.25
	5700	140	ax (SU) (20MHz)	24/25.8 (MCS2)	3.93	11.00	-7.07
	5720	144	ax (SU) (20MHz)	135/143.4 (MCS11)	6.74	11.00	-4.27
	5510	102	n (40MHz)	40/40.5 (MCS2)	1.72	11.00	-9.28
	5550	110	n (40MHz)	40/40.5 (MCS2)	4.57	11.00	-6.43
	*5590	118	n (40MHz)	81/90 (MCS4)	5.06	11.00	-5.94
	5670	134	n (40MHz)	40/40.5 (MCS2)	4.02	11.00	-6.99
	5710	142	n (40MHz)	81/90 (MCS4)	4.69	11.00	-6.31
	5510	102	ax (SU) (40MHz)	49/51.6 (MCS2)	0.30	11.00	-10.70
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	2.52	11.00	-8.48
	*5590	118	ax (SU) (40MHz)	271/286 (MCS11)	3.63	11.00	-7.37
	5670	134	ax (SU) (40MHz)	49/51.6 (MCS2)	1.85	11.00	-9.15
	5710	142	ax (SU) (40MHz)	271/286 (MCS11)	3.92	11.00	-7.08
	5530	106	ac (80MHz)	87.8/97.5 (MCS2)	-1.56	11.00	-12.56
	*5610	122	ac (80MHz)	87.8/97.5 (MCS2)	1.67	11.00	-9.33
	5690	138	ac (80MHz)	87.8/97.5 (MCS2)	1.53	11.00	-9.47
	5530	106	ax (SU) (80MHz)	102/108.1 (MCS2)	-4.24	11.00	-15.24
	*5610	122	ax (SU) (80MHz)	102/108.1 (MCS2)	-0.40	11.00	-11.40
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	0.56	11.00	-10.44
	*5570	114	ac (160MHz)	87.8/97.5 (MCS2)	-7.02	11.00	-18.02
	*5570	114	ax (SU) (80MHz)	204/216.2 (MCS4)	-8.12	11.00	-19.12

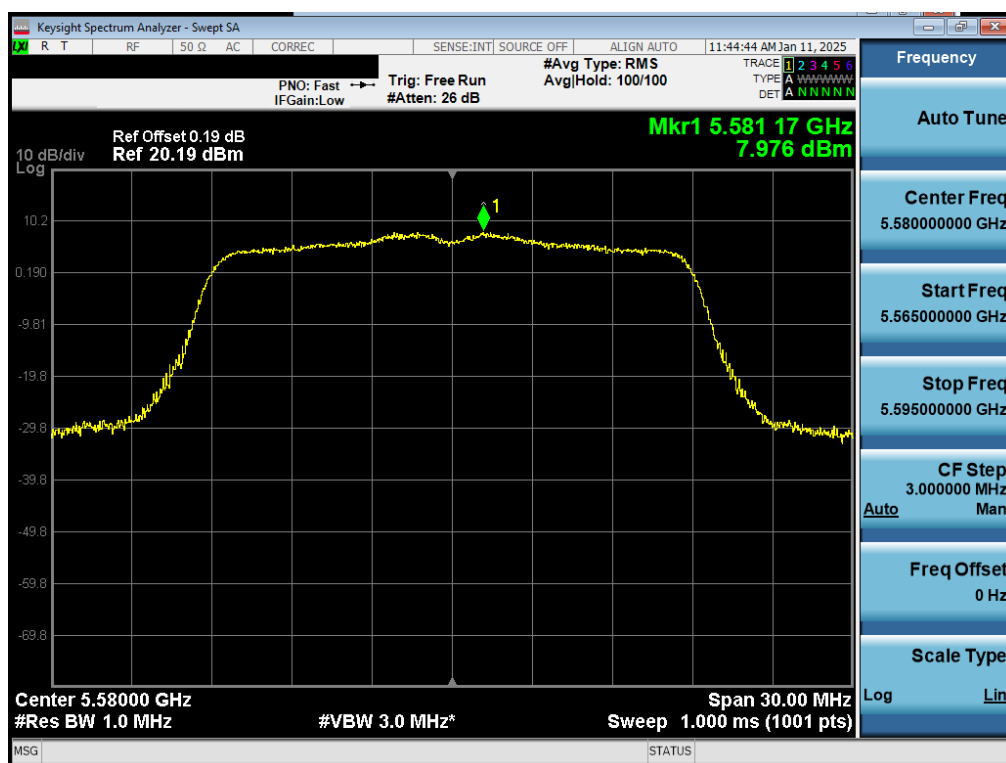
Table 7-104. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1b

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

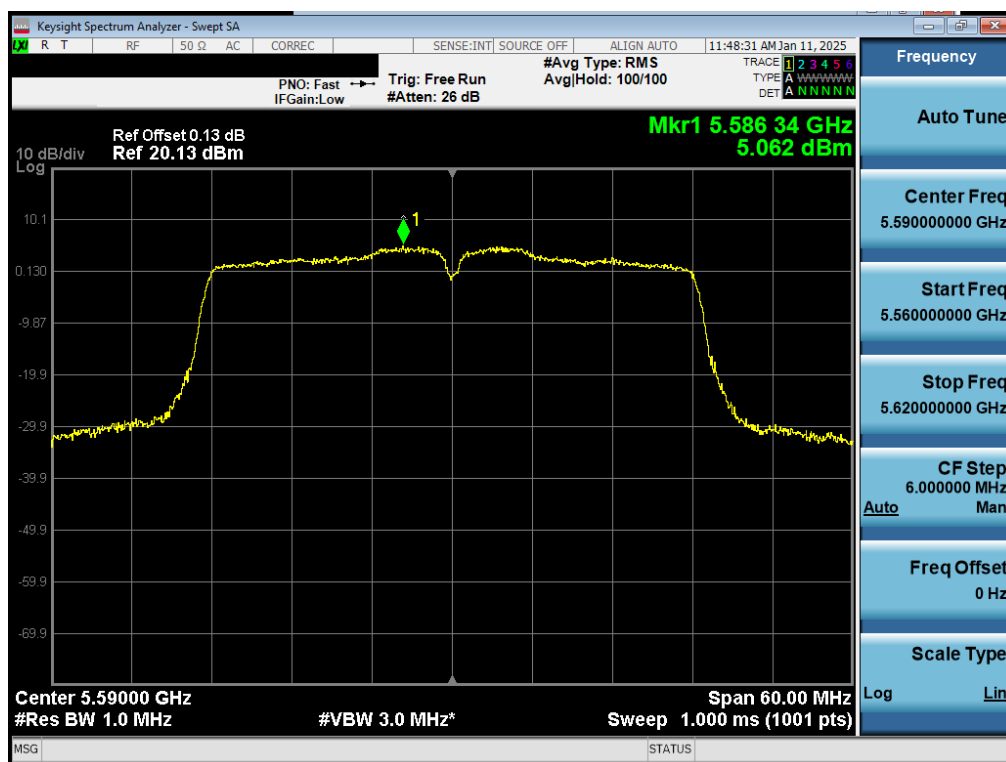
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 96 of 270

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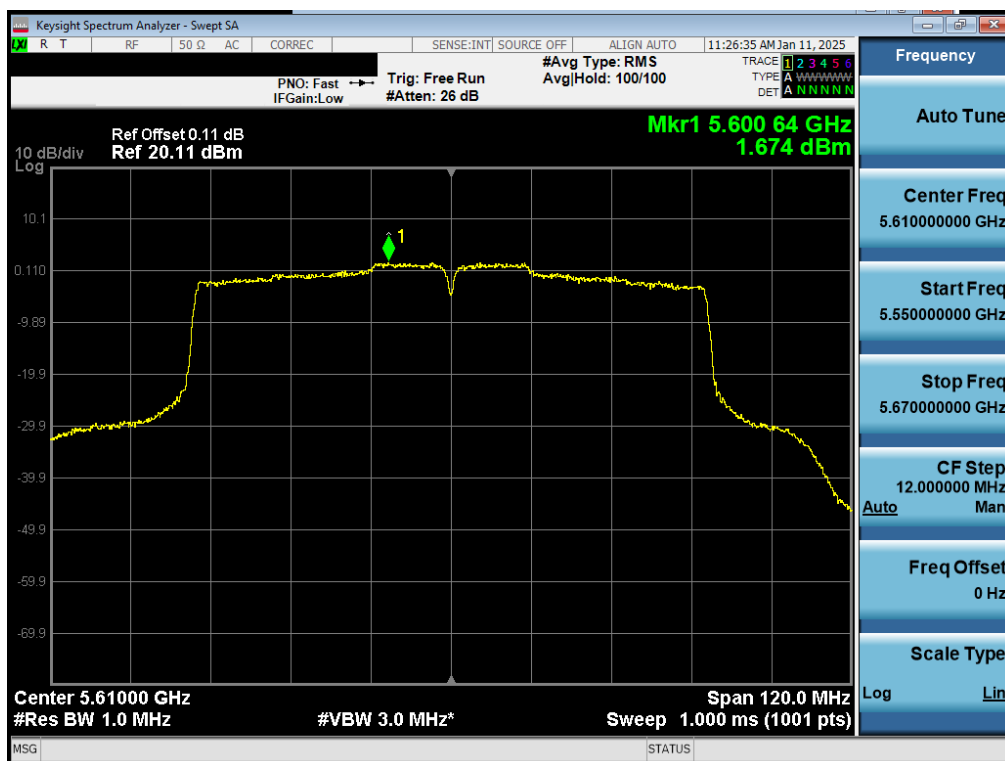
Plot 7-44. PSD Antenna 1b (20MHz BW 802.11n – Ch.116)



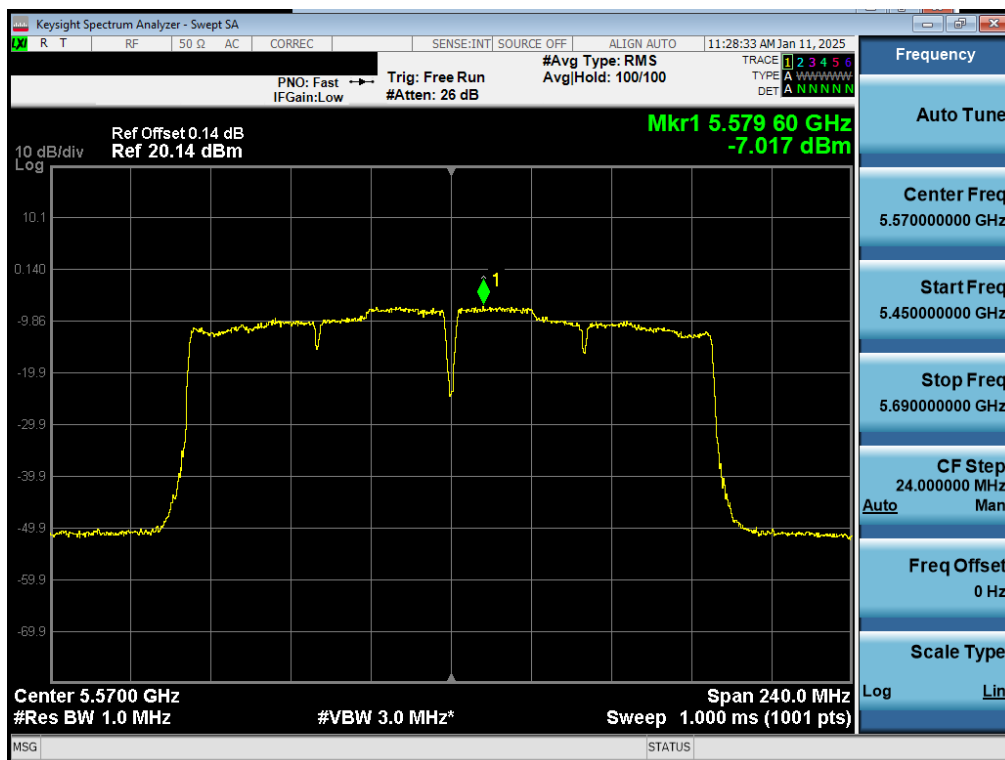
Plot 7-45. PSD Antenna 1b (40MHz BW 802.11n – Ch. 118)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 97 of 270

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Plot 7-46. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 122)



Plot 7-47. PSD Antenna 1b (160MHz BW 802.11ac – Ch. 114)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 98 of 270

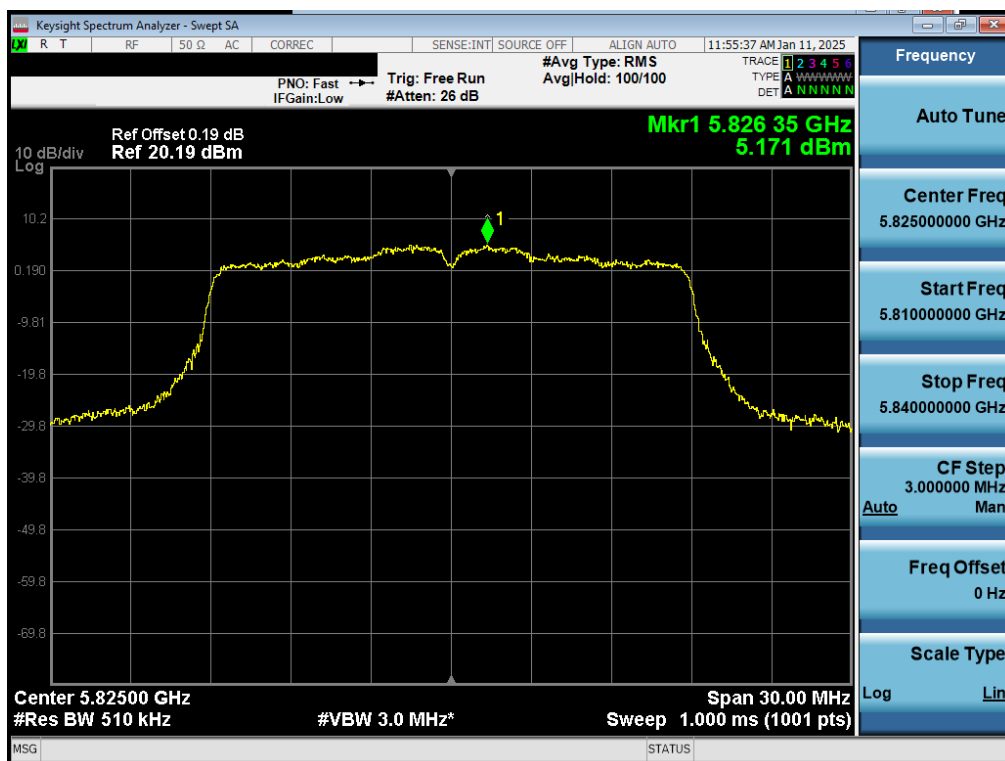
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	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	5.07	30.0	-24.93
	5785	157	n (20MHz)	39/43.3 (MCS4)	4.86	30.0	-25.14
	5825	165	n (20MHz)	39/43.3 (MCS4)	5.17	30.0	-24.83
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	3.66	30.0	-26.34
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	3.98	30.0	-26.02
	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	3.76	30.0	-26.24
	5755	151	n (40MHz)	40/40.5 (MCS2)	2.07	30.0	-27.93
	5795	159	n (40MHz)	40/40.5 (MCS2)	1.92	30.0	-28.08
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	1.01	30.0	-28.99
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	0.70	30.0	-29.30
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	-3.10	30.0	-33.10
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-4.01	30.0	-34.01

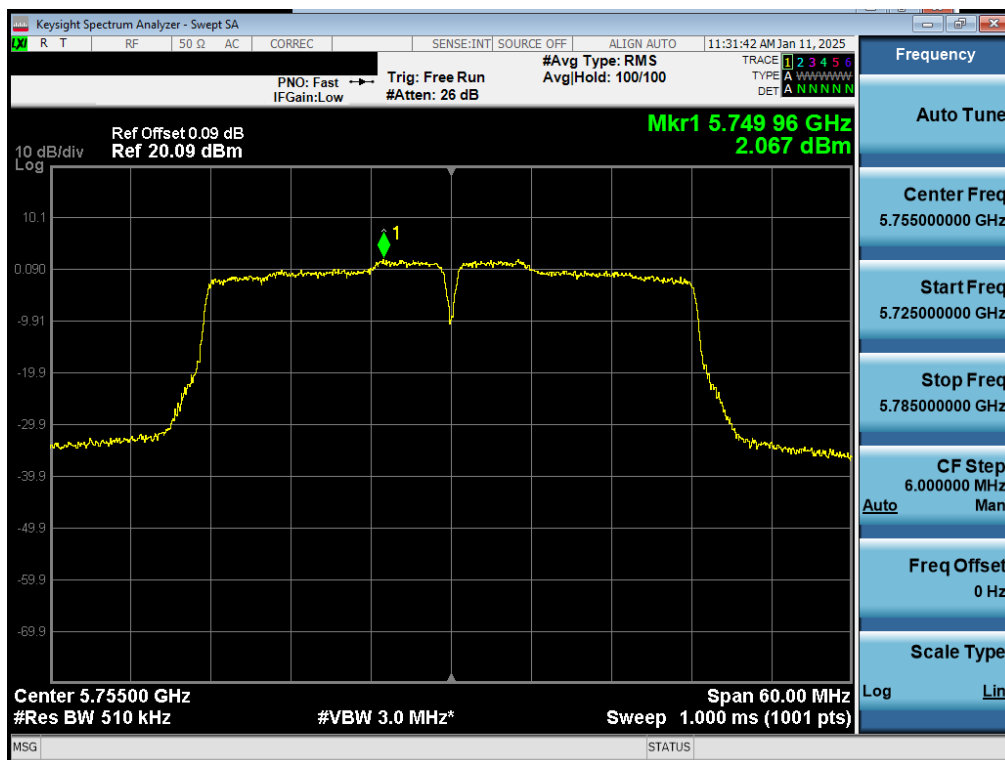
Table 7-105. Band 3 Power Spectral Density Measurements Antenna 1b

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 99 of 270

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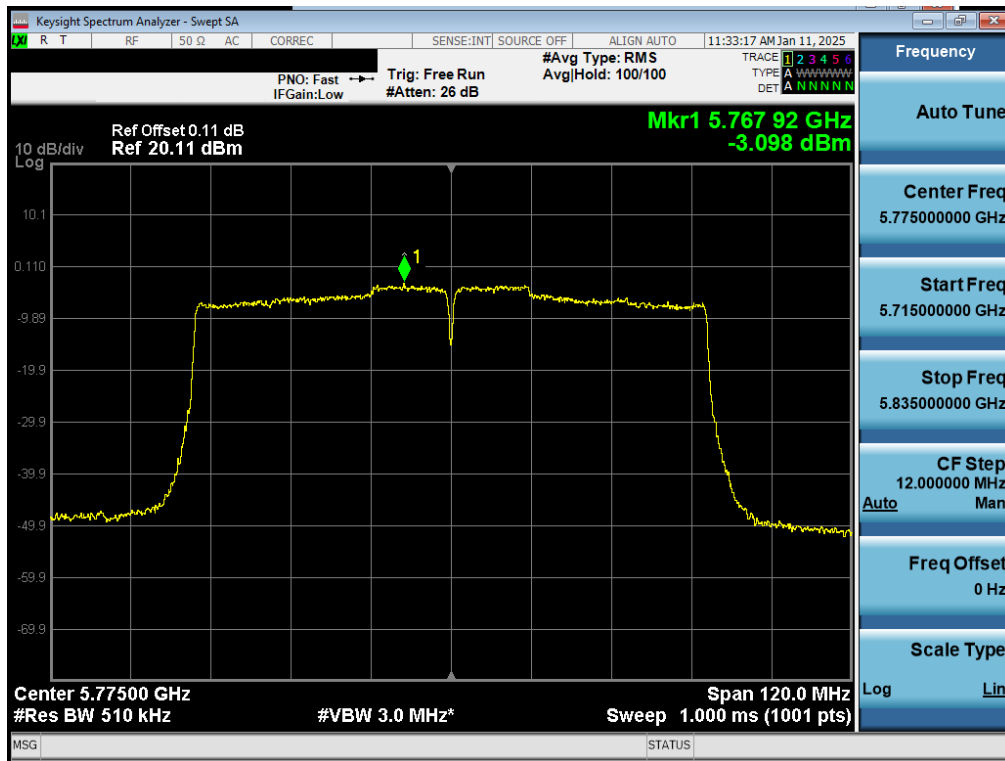


Plot 7-48. PSD Antenna 1b (20MHz BW 802.11n – Ch. 165)



Plot 7-49. PSD Antenna 1b (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 100 of 270



Plot 7-50. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 101 of 270

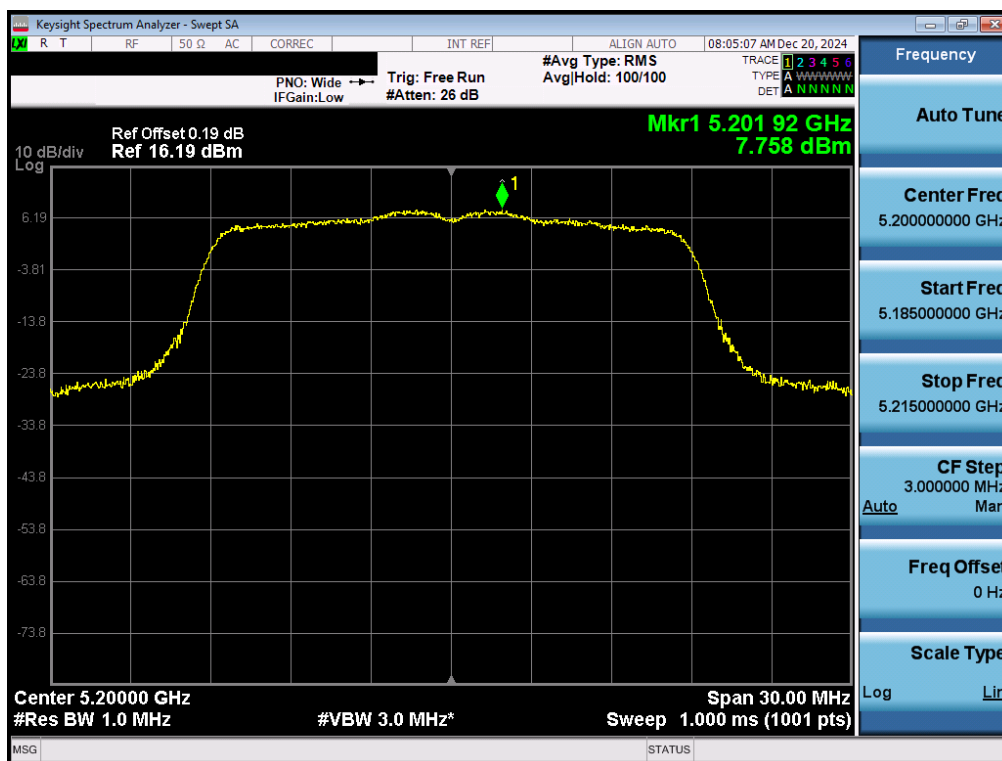
V 10.6 10/27/2023

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	7.02	-1.00	6.02	10.0	-3.98
	5200	40	n (20MHz)	39/43.3 (MCS4)	7.76	-1.00	6.76	10.0	-3.24
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	7.66	-1.00	6.66	10.0	-3.35
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	4.77	-1.00	3.77	10.0	-6.23
	5200	40	ax (SU) (20MHz)	135/143.4 (MCS11)	6.55	-1.00	5.55	10.0	-4.45
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	6.38	-1.00	5.38	10.0	-4.62
	5190	38	n (40MHz)	81/90 (MCS4)	2.26	-1.00	1.26	10.0	-8.75
	5230	46	n (40MHz)	81/90 (MCS4)	4.90	-1.00	3.90	10.0	-6.10
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	-0.07	-1.00	-1.07	10.0	-11.07
	5230	46	ax (SU) (40MHz)	271/286 (MCS11)	3.72	-1.00	2.72	10.0	-7.28
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-2.33	-1.00	-3.33	10.0	-13.33
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.99	-1.00	-3.99	10.0	-13.99
Band 1/2	5250	50	ac (160MHz)	175.5/195 (MCS4)	-6.07	-1.00	-7.07	10.0	-17.07
	5250	50	ax (SU) (160MHz)	567/600.5 (MCS11)	-7.16	-1.00	-8.16	10.0	-18.16

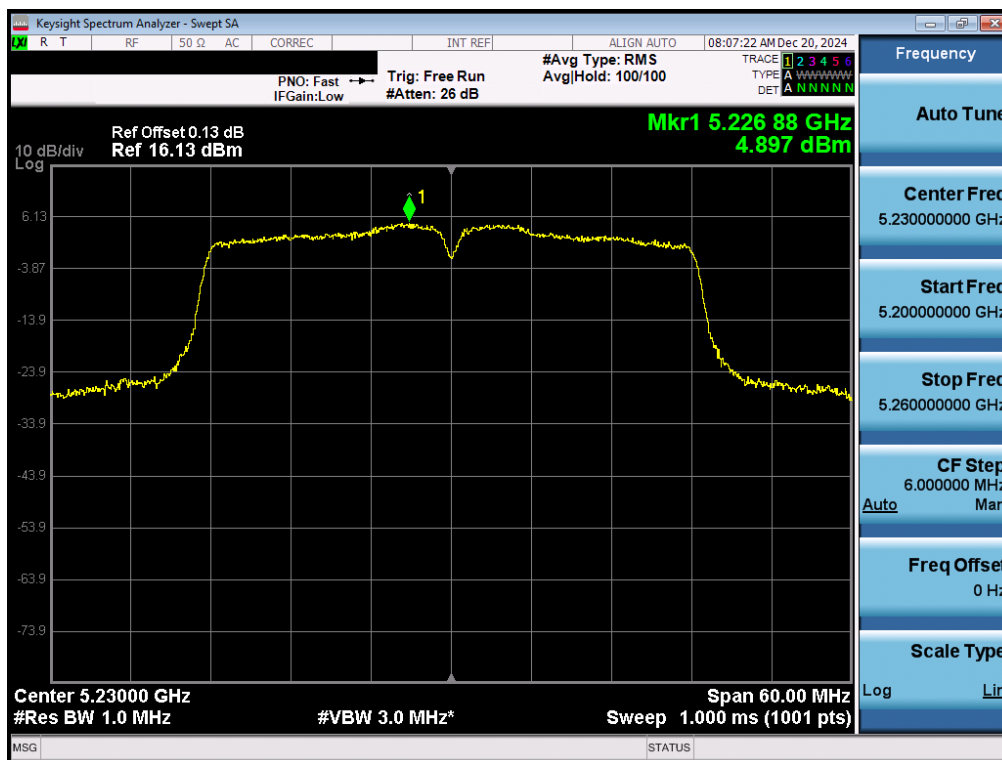
Table 7-106. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1b

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 102 of 270

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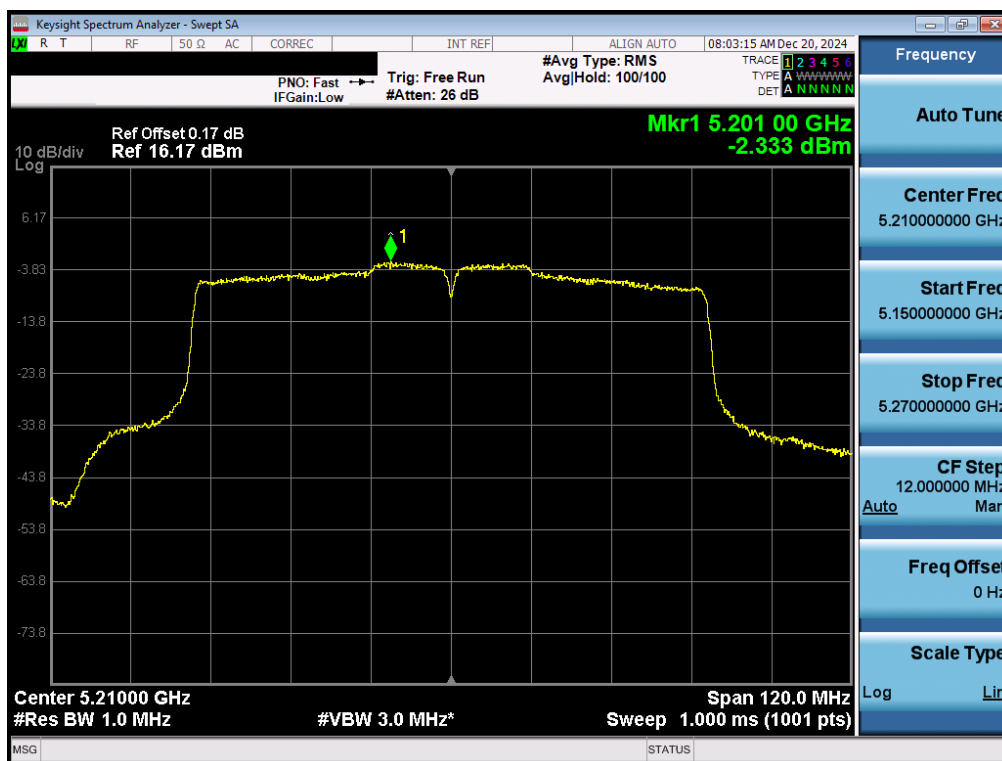
Plot 7-51. ISED PSD Antenna 1b (20MHz BW 11n – Ch.40)



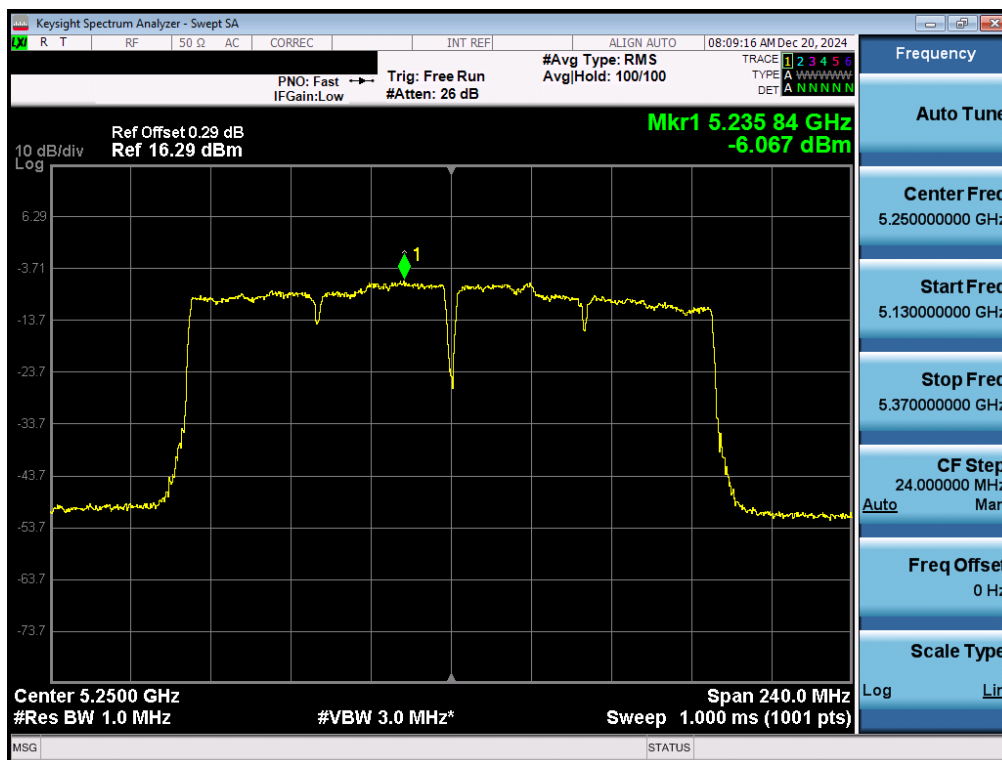
Plot 7-52. ISED PSD Antenna 1b (40MHz BW 11n – Ch.46)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 103 of 270

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Plot 7-53. ISED PSD Antenna 1b (80MHz BW 11ac – Ch.42)



Plot 7-54. ISED PSD Antenna 1b (160MHz BW 11ac – Ch.50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 104 of 270

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7.5.4 Summed CDD Primary Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Mode	Antenna 5T Power Density [dBm/MHz]	Antenna 3b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	78/86.7 (MCS12)	CDD	7.13	6.77	9.96	11.00	-1.04
	5200	40	n (20MHz)	39/43.3 (MCS10)	CDD	7.17	6.64	9.92	11.00	-1.08
	5240	48	n (20MHz)	78/86.7 (MCS12)	CDD	7.39	7.22	10.32	11.00	-0.68
	5180	36	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.14	5.84	9.00	11.00	-2.00
	5200	40	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	6.74	6.25	9.51	11.00	-1.49
	5240	48	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	6.81	6.73	9.78	11.00	-1.22
	5190	38	n (40MHz)	81/60 (MCS10)	CDD	3.50	3.44	6.48	11.00	-4.52
	5230	46	n (40MHz)	162/180 (MCS12)	CDD	6.71	6.64	9.68	11.00	-1.32
	5190	38	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	0.53	0.66	3.61	11.00	-7.39
	5230	46	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	5.49	5.21	8.36	11.00	-2.64
Band 1/2	5210	42	ac (80MHz)	351/390 (MCS4)	CDD	-1.08	-1.86	1.56	11.00	-9.44
	5210	42	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-2.57	-2.98	0.24	11.00	-10.76
Band 2A	5250	50	ac (160MHz)	175.5/195 (MCS2)	CDD	-4.51	-4.98	-1.73	11.00	-12.73
	5250	50	ax (SU) (160MHz)	204/216.2 (MCS2)	CDD	-5.77	-6.12	-2.93	11.00	-13.93
	5260	52	n (20MHz)	39/43.3 (MCS10)	CDD	7.53	6.83	10.20	11.00	-0.80
	5300	60	n (20MHz)	78/86.7 (MCS12)	CDD	7.00	6.81	9.92	11.00	-1.08
	5320	64	n (20MHz)	39/43.3 (MCS10)	CDD	6.73	6.74	9.75	11.00	-1.25
	5260	52	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	7.05	6.52	9.80	11.00	-1.20
	5300	60	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.72	6.67	9.71	11.00	-1.29
	5320	64	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.12	5.91	9.02	11.00	-1.98
	5270	54	n (40MHz)	162/180 (MCS12)	CDD	6.84	6.66	9.76	11.00	-1.24
	5310	62	n (40MHz)	81/60 (MCS10)	CDD	3.52	3.48	6.51	11.00	-4.49
Band 2C	5270	54	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	5.25	4.92	8.10	11.00	-2.90
	5310	62	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	1.02	0.86	3.95	11.00	-7.05
	5290	58	ac (80MHz)	175.5/195 (MCS2)	CDD	-0.18	-0.35	2.74	11.00	-8.26
	5290	58	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-2.47	-2.64	0.45	11.00	-10.55
	5500	100	n (20MHz)	39/43.3 (MCS10)	CDD	6.98	7.21	10.10	11.00	-0.90
	5580	116	n (20MHz)	78/86.7 (MCS12)	CDD	7.10	7.52	10.32	11.00	-0.68
	5700	140	n (20MHz)	39/43.3 (MCS10)	CDD	7.04	6.88	9.97	11.00	-1.03
	5720	144	n (20MHz)	78/86.7 (MCS12)	CDD	7.01	7.24	10.13	11.00	-0.87
	5500	100	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	5.32	5.18	8.26	11.00	-2.74
	5580	116	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.73	6.85	9.80	11.00	-1.20
	5700	140	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	3.99	3.85	6.93	11.00	-4.07
	5720	144	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.56	6.89	9.74	11.00	-1.26
	5510	102	n (40MHz)	81/60 (MCS10)	CDD	2.97	2.99	5.99	11.00	-5.01
	5550	110	n (40MHz)	81/60 (MCS10)	CDD	5.93	6.10	9.02	11.00	-1.98
	5590	118	n (40MHz)	162/180 (MCS12)	CDD	6.66	6.84	9.76	11.00	-1.24
	5670	134	n (40MHz)	81/60 (MCS10)	CDD	5.39	5.68	8.55	11.00	-2.45
	5710	142	n (40MHz)	162/180 (MCS12)	CDD	6.55	6.75	9.66	11.00	-1.34
	5510	102	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	0.58	0.78	3.69	11.00	-7.31
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	4.00	3.74	6.88	11.00	-4.12
	5590	118	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	5.76	5.60	8.69	11.00	-2.31
	5670	134	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	3.64	3.52	6.59	11.00	-4.41
	5710	142	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	5.45	5.30	8.38	11.00	-2.62
	5530	106	ac (80MHz)	175.5/195 (MCS2)	CDD	-0.99	-0.61	2.22	11.00	-8.78
	5610	122	ac (80MHz)	175.5/195 (MCS2)	CDD	2.71	3.38	6.07	11.00	-4.93
	5690	138	ac (80MHz)	351/390 (MCS4)	CDD	3.53	3.38	6.46	11.00	-4.54
	5530	106	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-3.31	-2.93	-0.11	11.00	-11.11
	5610	122	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	1.66	1.53	4.60	11.00	-6.40
	5690	138	ax (SU) (80MHz)	1134/1201 (MCS11)	CDD	2.51	2.23	5.38	11.00	-5.62
	5570	114	ac (160MHz)	175.5/195 (MCS2)	CDD	-5.37	-5.34	-2.34	11.00	-13.34
	5570	114	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-6.55	-6.88	-3.70	11.00	-14.70

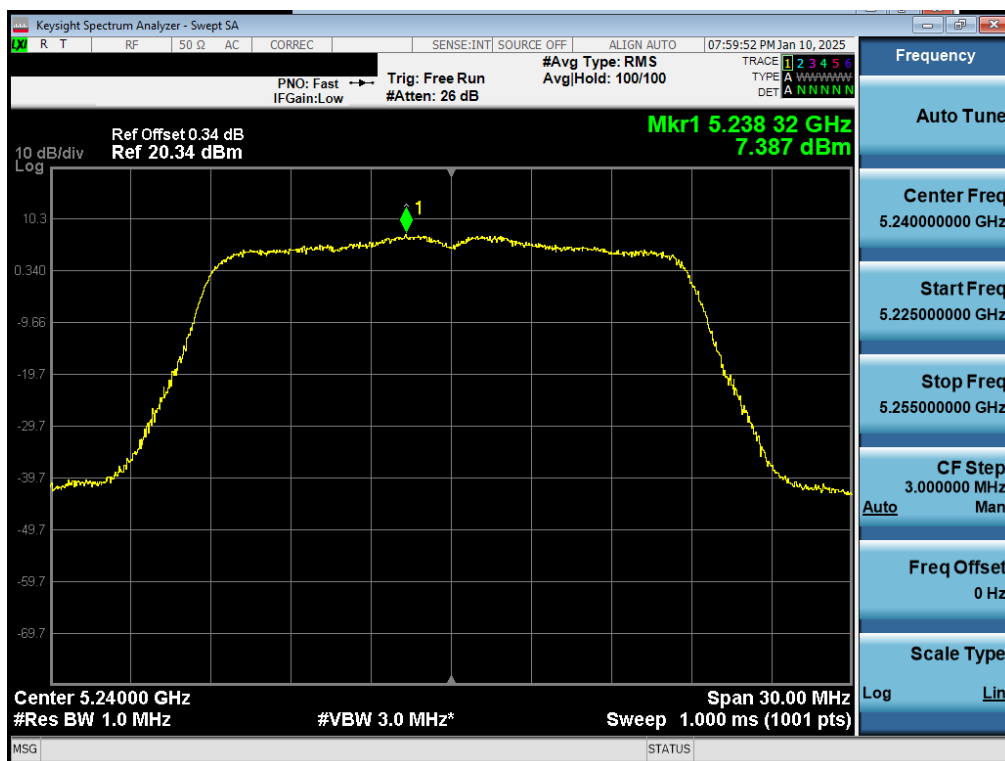
Table 7-107. Bands 1, 2A, 2C CDD Primary Power Spectral Density Measurements

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

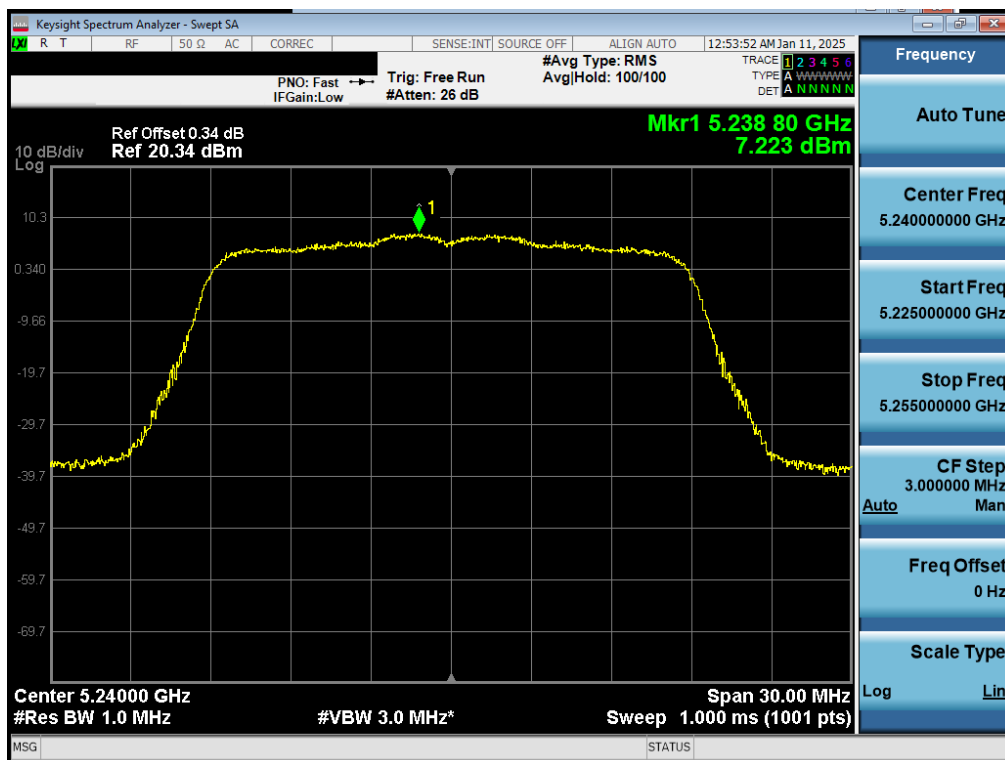
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 105 of 270

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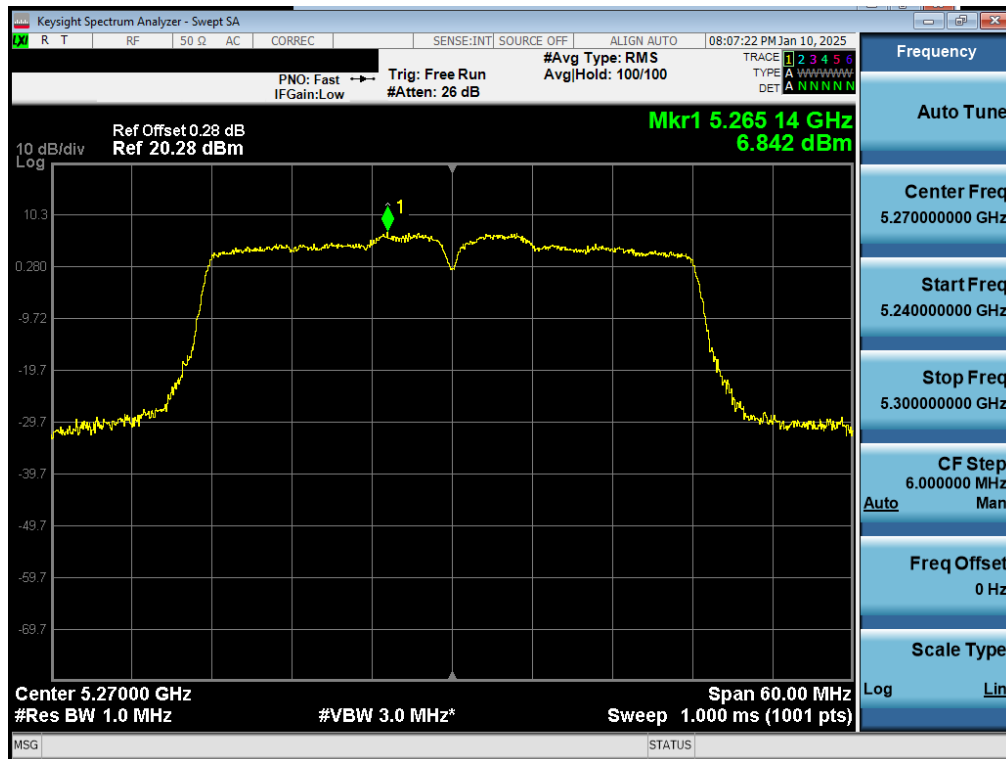
Plot 7-55. PSD CDD Primary Antenna 5T (20MHz BW 802.11n – Ch. 116)



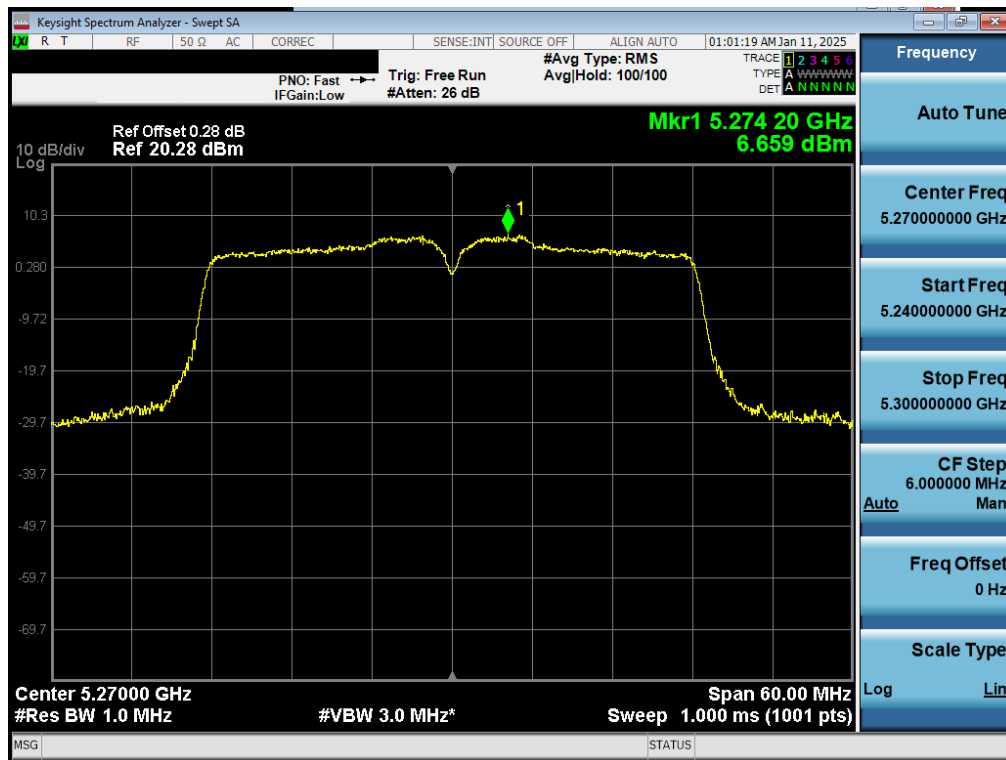
Plot 7-56. PSD CDD Primary Antenna 3b (20MHz BW 802.11n – Ch. 116)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 106 of 270

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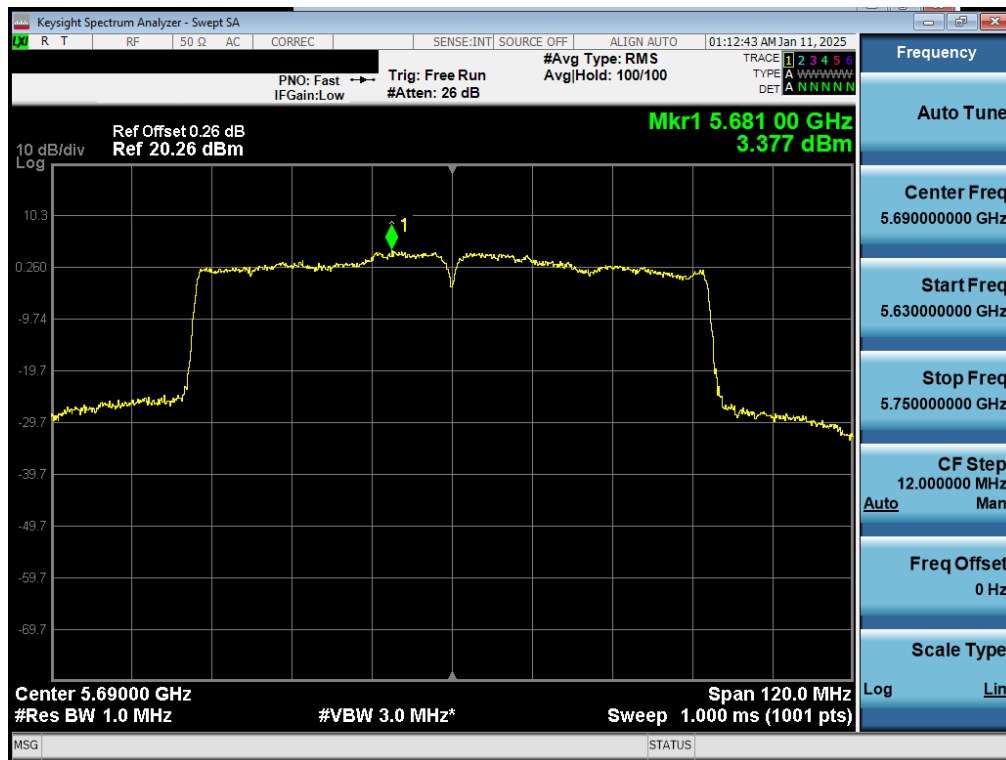
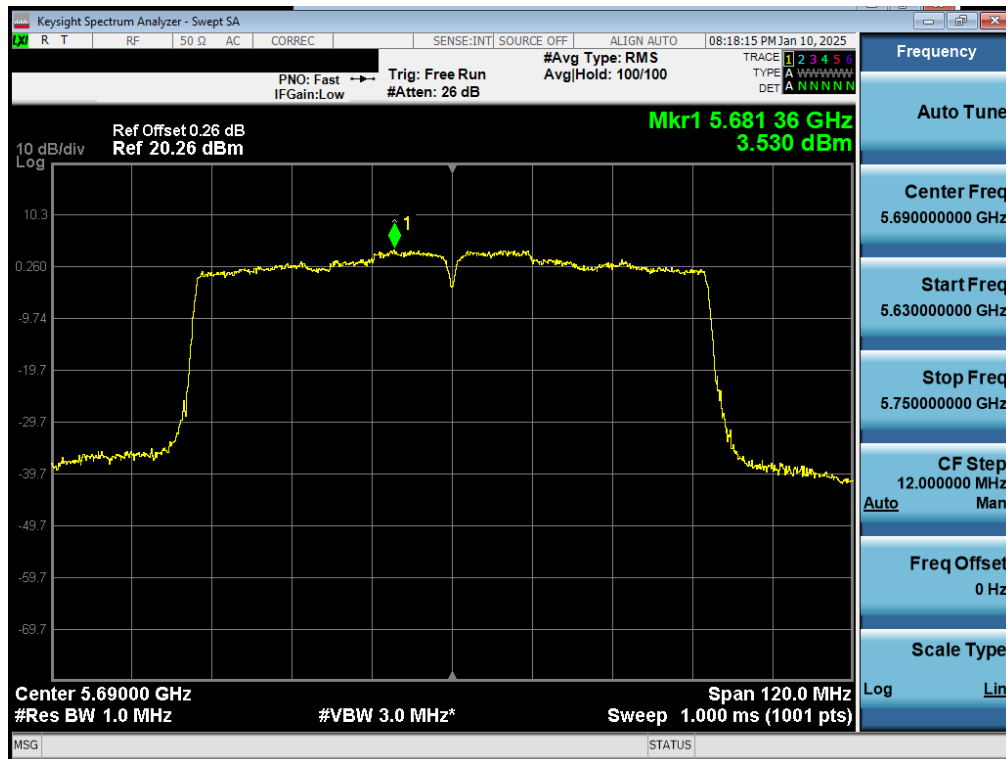


Plot 7-57. PSD CDD Primary Antenna 5T (40MHz BW 802.11n – Ch. 54)

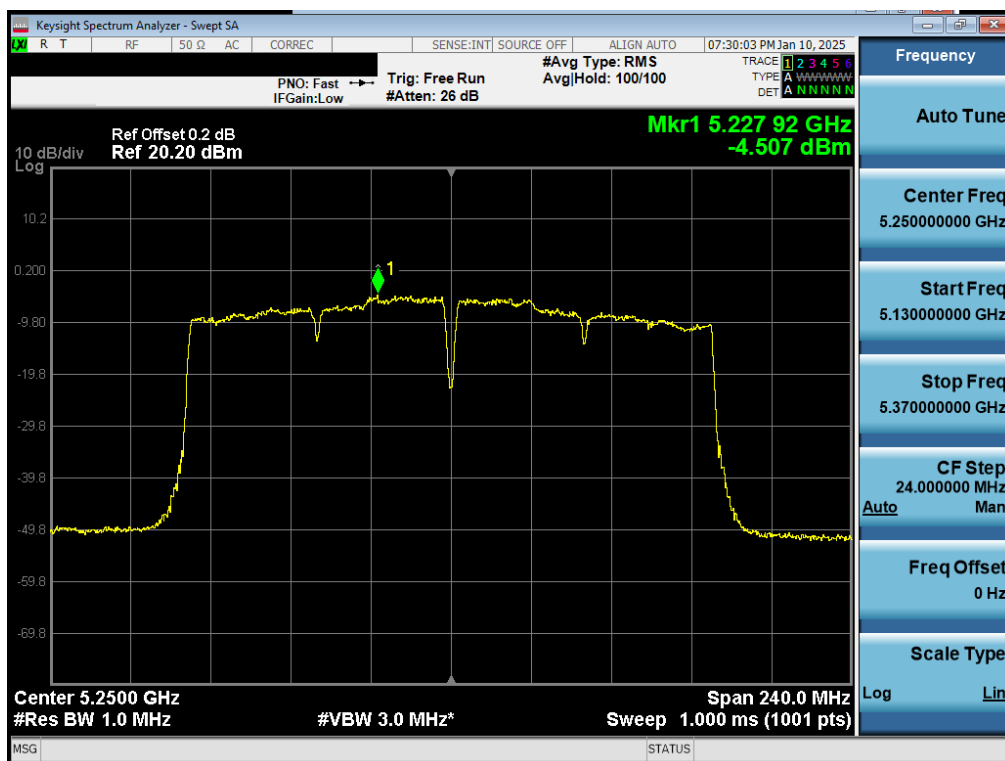


Plot 7-58. PSD CDD Primary Antenna 3b (40MHz BW 802.11n – Ch. 54)

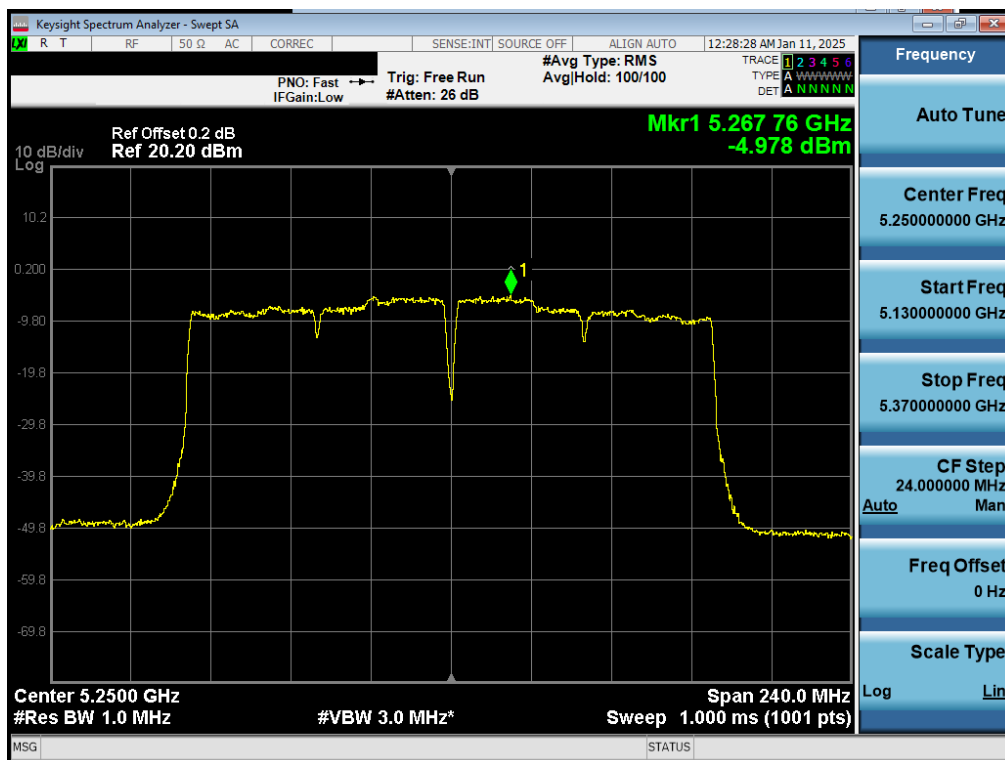
FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 107 of 270



FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 108 of 270



Plot 7-61. PSD CDD Primary Antenna 5T (160MHz BW 802.11ac – Ch. 50)



Plot 7-62. PSD CDD Primary Antenna 3b (160MHz BW 802.11ac – Ch. 50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 109 of 270

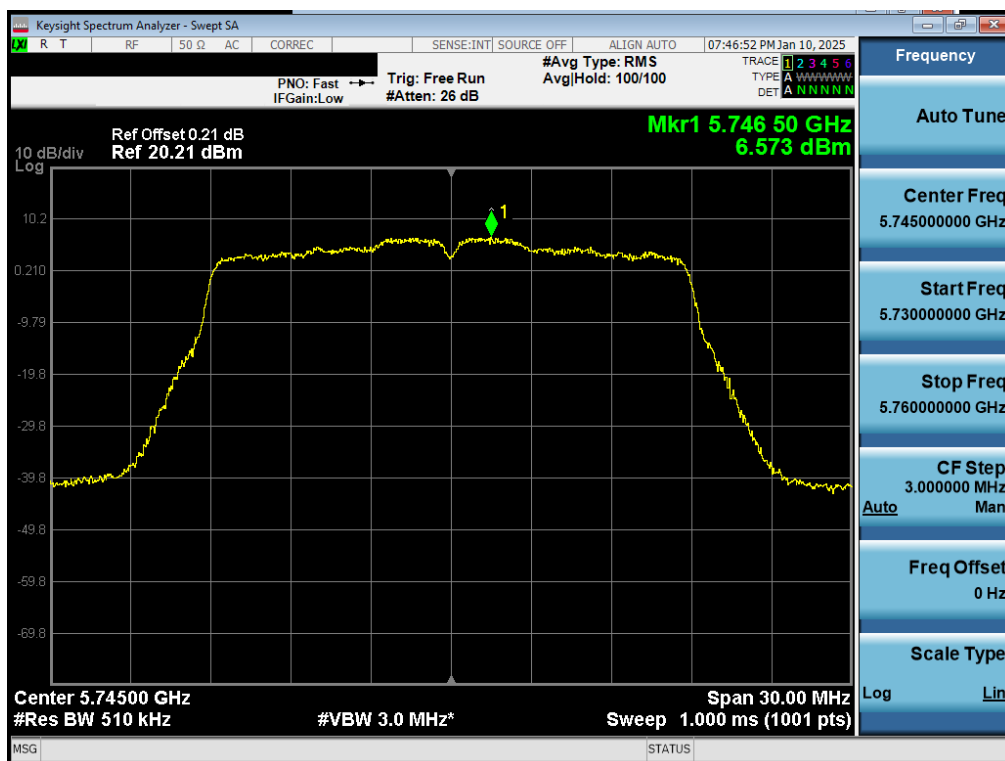
	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/500kHz]	Antenna 3b Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	39/43.3 (MCS10)	6.57	7.06	9.83	30.0	-20.17
	5785	157	n (20MHz)	CDD	78/86.7 (MCS12)	6.63	6.62	9.63	30.0	-20.37
	5825	165	n (20MHz)	CDD	78/86.7 (MCS12)	6.86	6.63	9.76	30.0	-20.24
	5745	149	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.62	5.53	8.59	30.0	-21.41
	5785	157	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.57	5.12	8.36	30.0	-21.64
	5825	165	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	5.38	5.54	8.47	30.0	-21.53
	5755	151	n (40MHz)	CDD	162/180 (MCS12)	4.03	3.72	6.89	30.0	-23.11
	5795	159	n (40MHz)	CDD	81/60 (MCS10)	3.79	3.50	6.66	30.0	-23.34
	5755	151	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	3.01	2.79	5.91	30.0	-24.09
	5795	159	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	2.65	2.50	5.58	30.0	-24.42
	5775	155	ac (80MHz)	CDD	351/390 (MCS4)	-1.10	-1.20	1.86	30.0	-28.14
	5775	155	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	-3.15	-3.13	-0.13	30.0	-30.13

Table 7-108. Band 3 Power Spectral Density Measurements CDD Primary

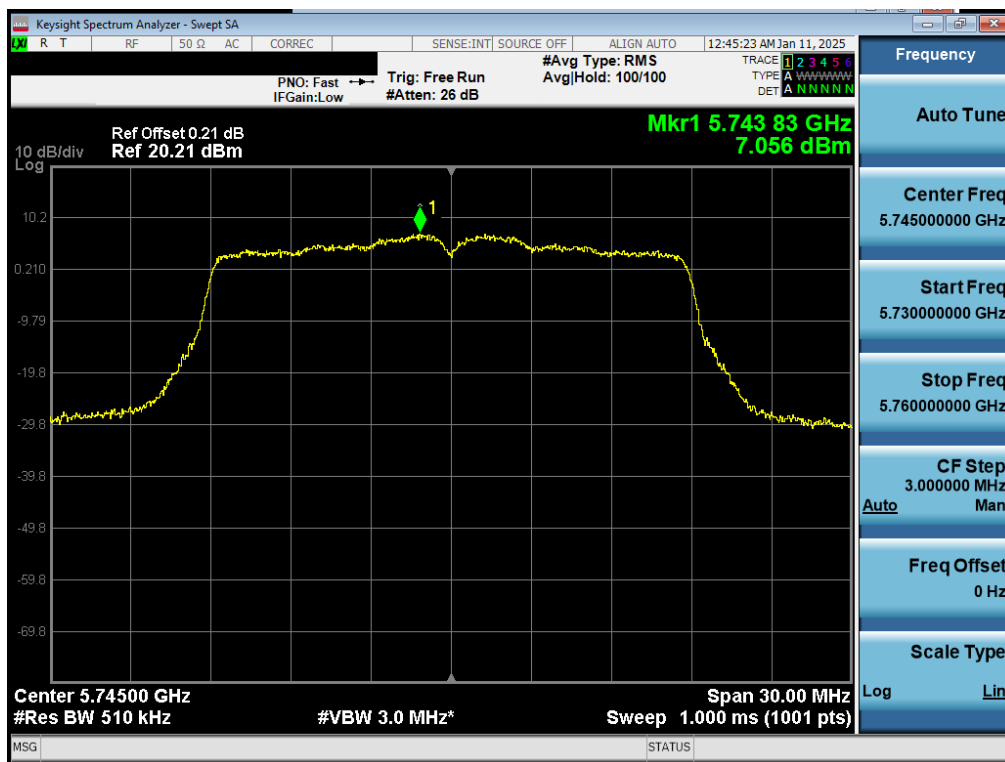
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 110 of 270

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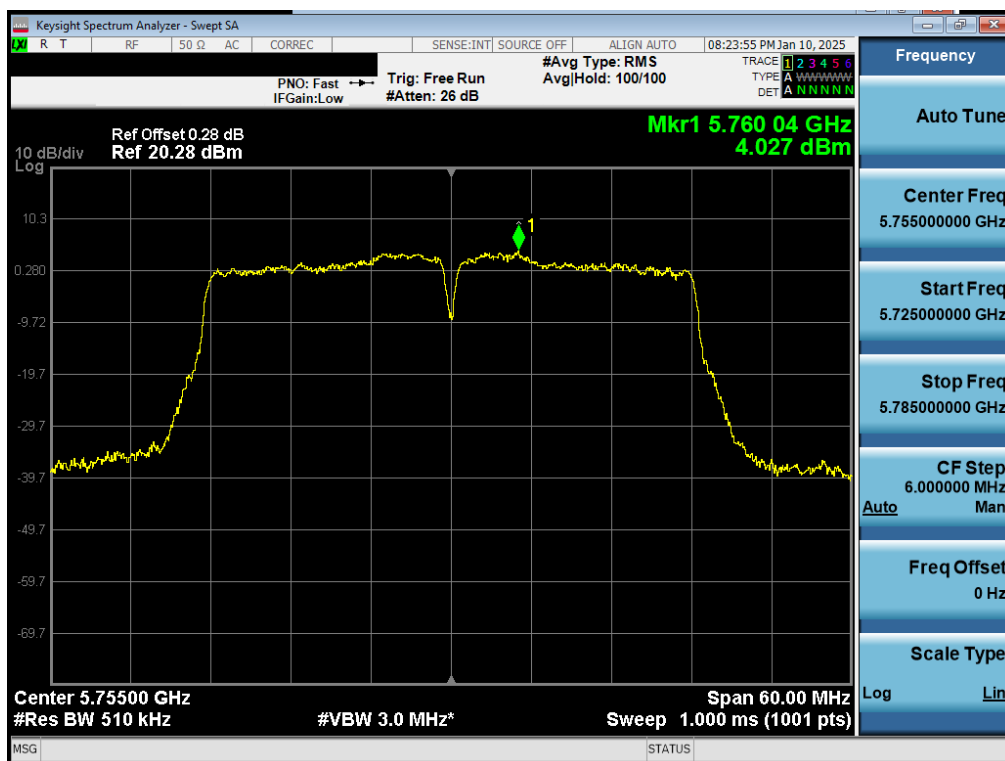


Plot 7-63. PSD CDD Primary Antenna 5T (20MHz BW 802.11n – Ch. 149)

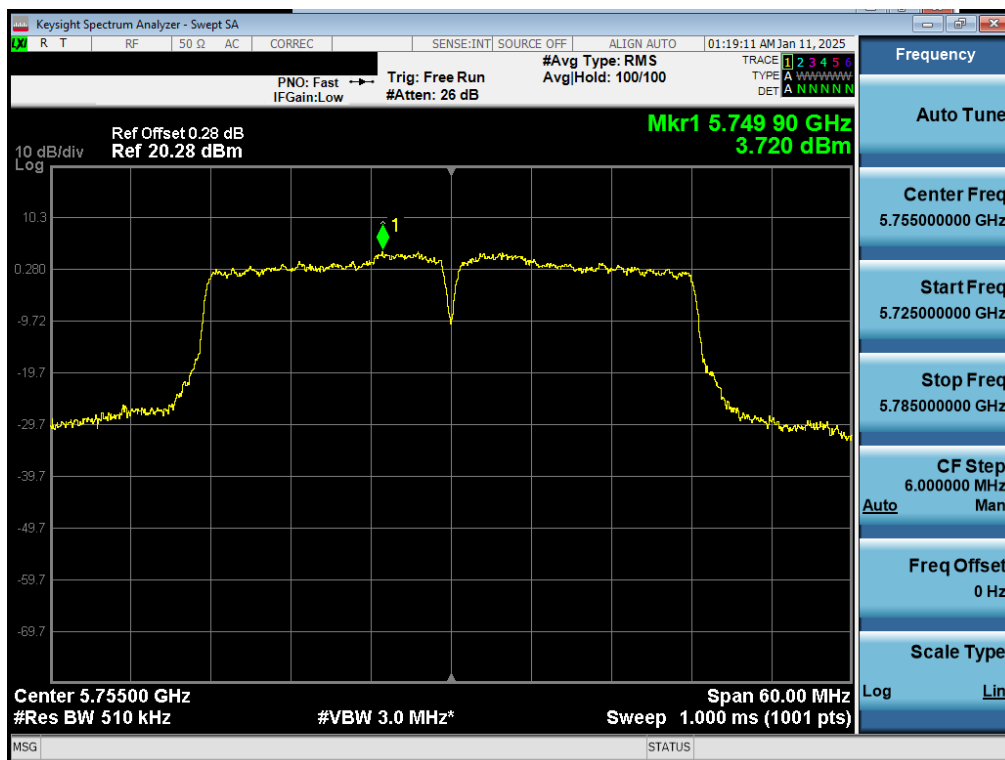


Plot 7-64. PSD CDD Primary Antenna 3b (20MHz BW 802.11n – Ch. 149)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 111 of 270



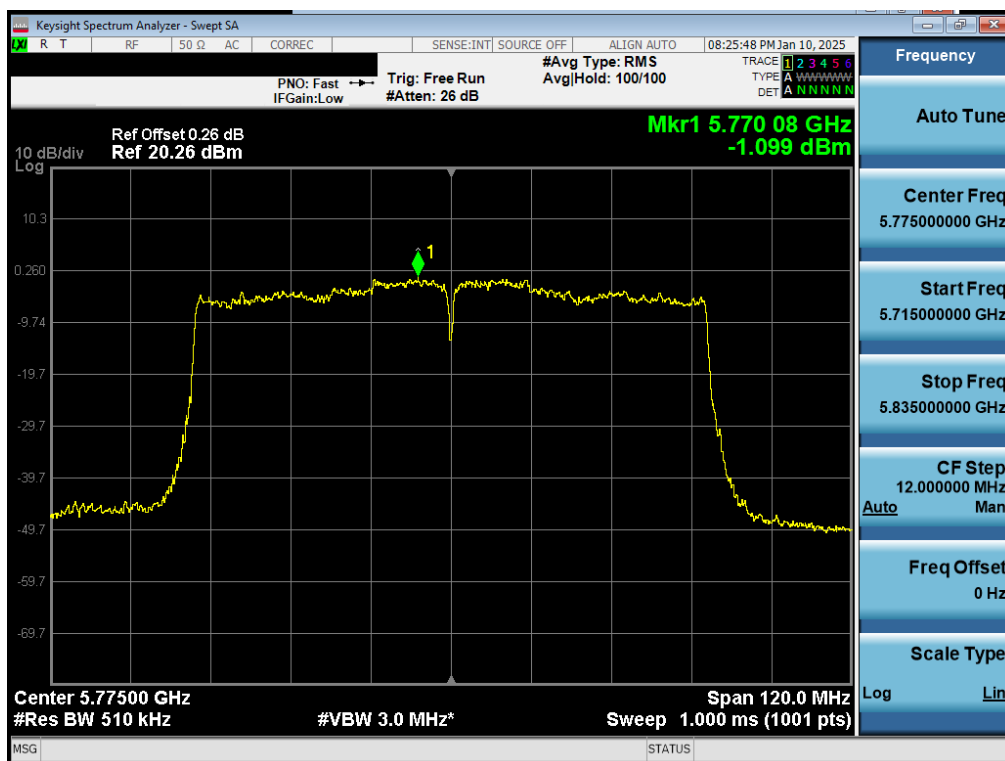
Plot 7-65. PSD CDD Primary Antenna 5T (40MHz BW 802.11n – Ch. 151)



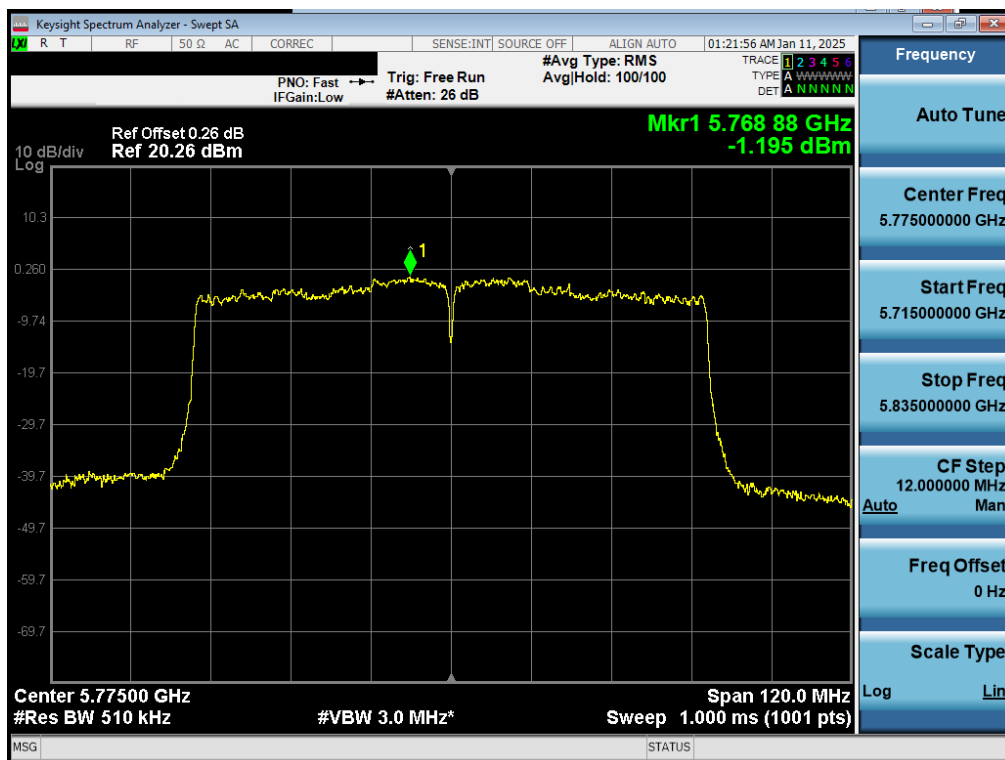
Plot 7-66. PSD CDD Primary Antenna 3b (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 112 of 270

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Plot 7-67. PSD CDD Primary Antenna 5T (80MHz BW 802.11ac – Ch. 155)



Plot 7-68. PSD CDD Primary Antenna 3b (80MHz BW 802.11ac – Ch. 155)

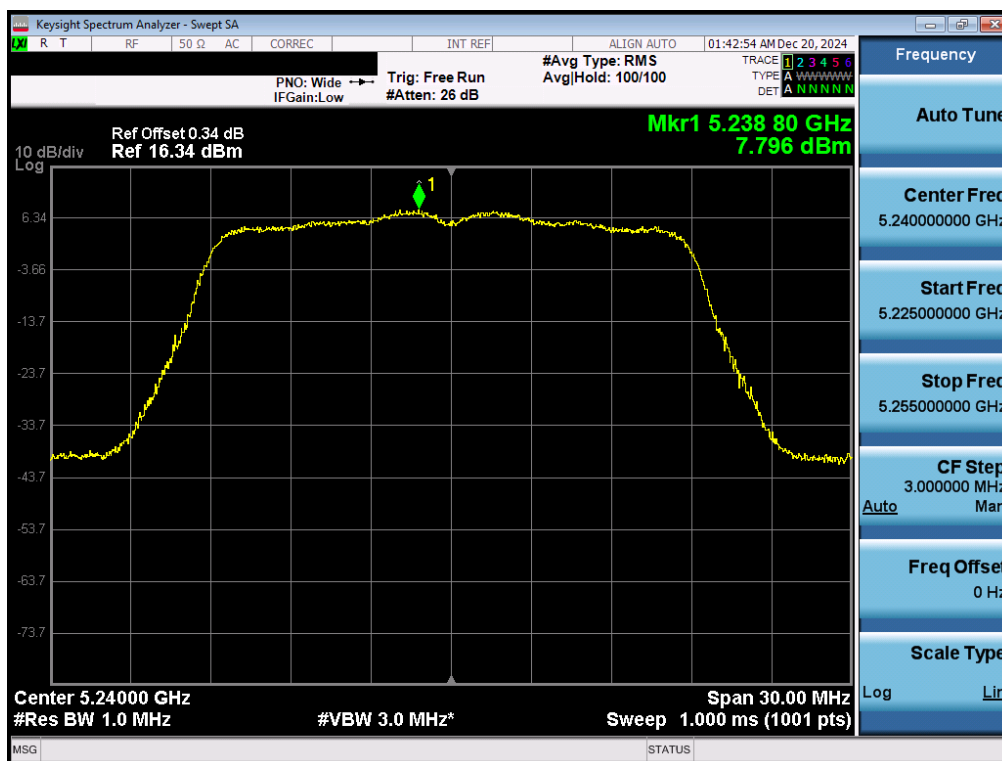
FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 113 of 270

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/MHz]	Antenna 3b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directoinal 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	39/43.3 (MCS10)	7.92	7.69	10.82	-1.83	8.99	10.0	-1.01
	5200	40	n (20MHz)	SDM	78/86.7 (MCS12)	7.52	8.14	10.85	-1.83	9.02	10.0	-0.98
	5240	48	n (20MHz)	SDM	78/86.7 (MCS12)	7.80	7.94	10.88	-1.83	9.05	10.0	-0.95
	5180	36	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	6.24	6.36	9.31	-1.83	7.48	10.0	-2.52
	5200	40	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	7.26	7.41	10.34	-1.83	8.52	10.0	-1.48
	5240	48	ax (SU) (20MHz)	SDM	270/286.8 (MCS11)	7.16	7.46	10.32	-1.83	8.50	10.0	-1.50
	5190	38	n (40MHz)	SDM	81/60 (MCS10)	3.63	3.38	6.52	-1.83	4.69	10.0	-5.31
	5230	46	n (40MHz)	SDM	162/180 (MCS12)	6.74	6.80	9.78	-1.83	7.95	10.0	-2.05
	5190	38	ax (SU) (40MHz)	SDM	98/103.2 (MCS2)	0.64	1.05	3.86	-1.83	2.03	10.0	-7.97
	5230	46	ax (SU) (40MHz)	SDM	271/286.8 (MCS11)	5.30	5.56	8.44	-1.83	6.62	10.0	-3.38
	5210	42	ac (80MHz)	SDM	175.5/195 (MCS2)	-1.50	-0.63	1.97	-1.83	0.14	10.0	-9.86
	5210	42	ax (SU) (80MHz)	SDM	204/216.2 (MCS2)	-2.27	-2.04	0.86	-1.83	-0.97	10.0	-10.97
Band 1/2	5250	50	ac (160MHz)	SDM	175.5/195 (MCS2)	-4.75	-4.49	-1.61	-1.83	-3.43	10.0	-13.43
	5250	50	ax (SU) (160MHz)	SDM	204/216.2 (MCS2)	-5.51	-5.65	-2.57	-1.83	-4.40	10.0	-14.40

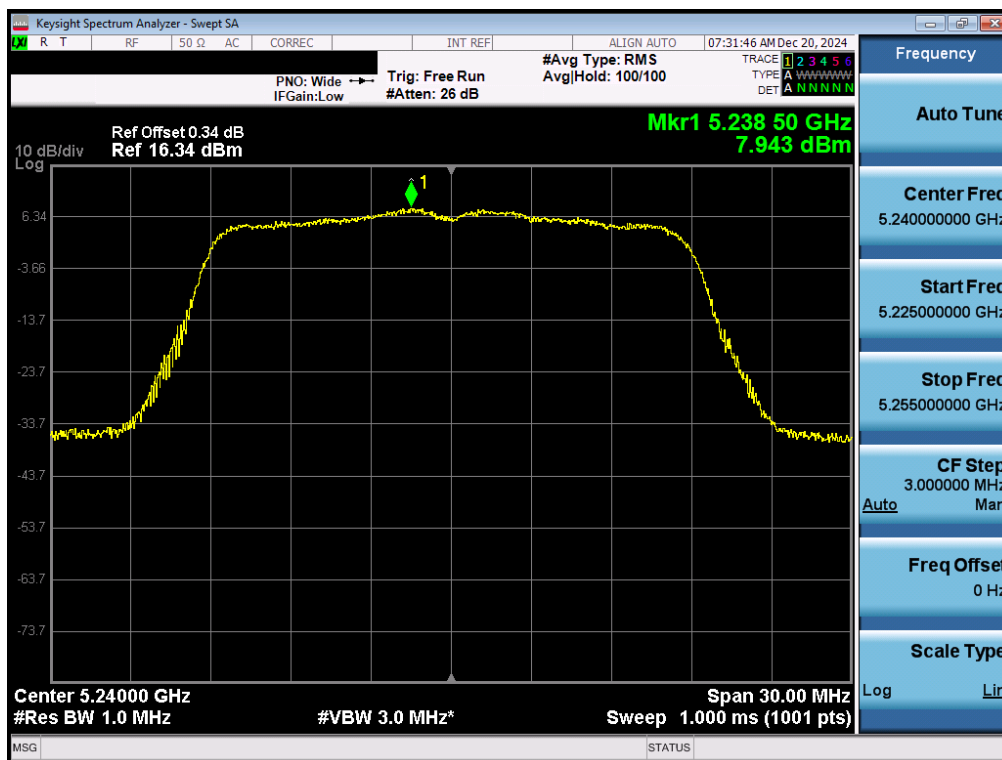
Table 7-109. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Primary

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 114 of 270

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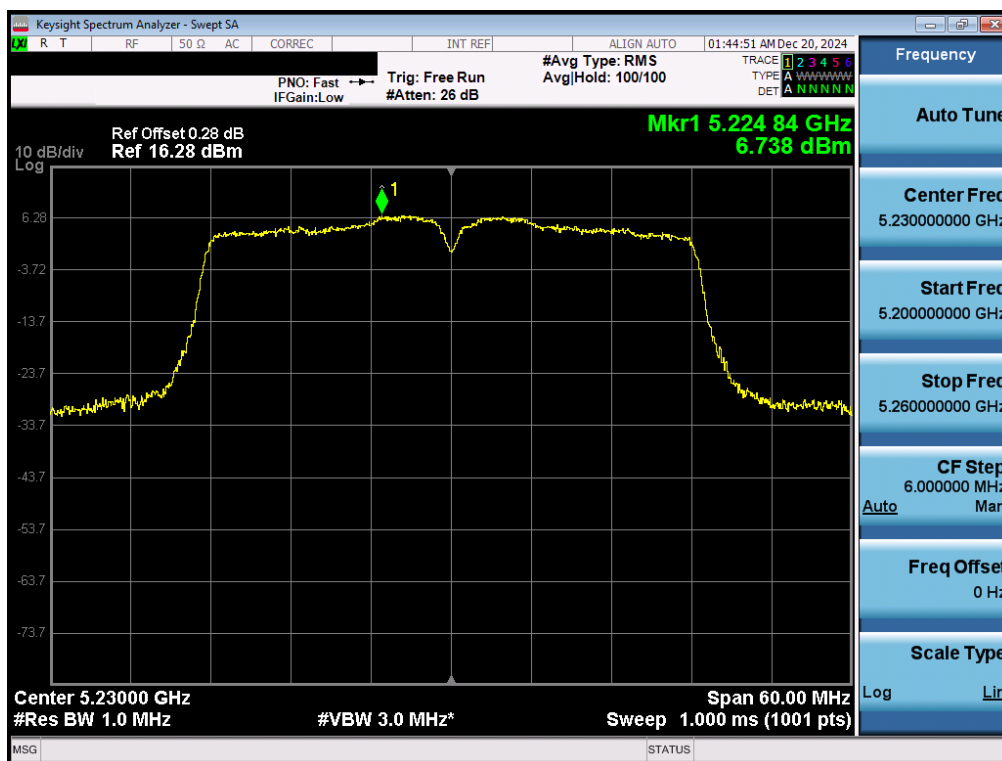
Plot 7-69. ISED PSD SDM Primary Antenna 5T (20MHz BW 11n – Ch.48)



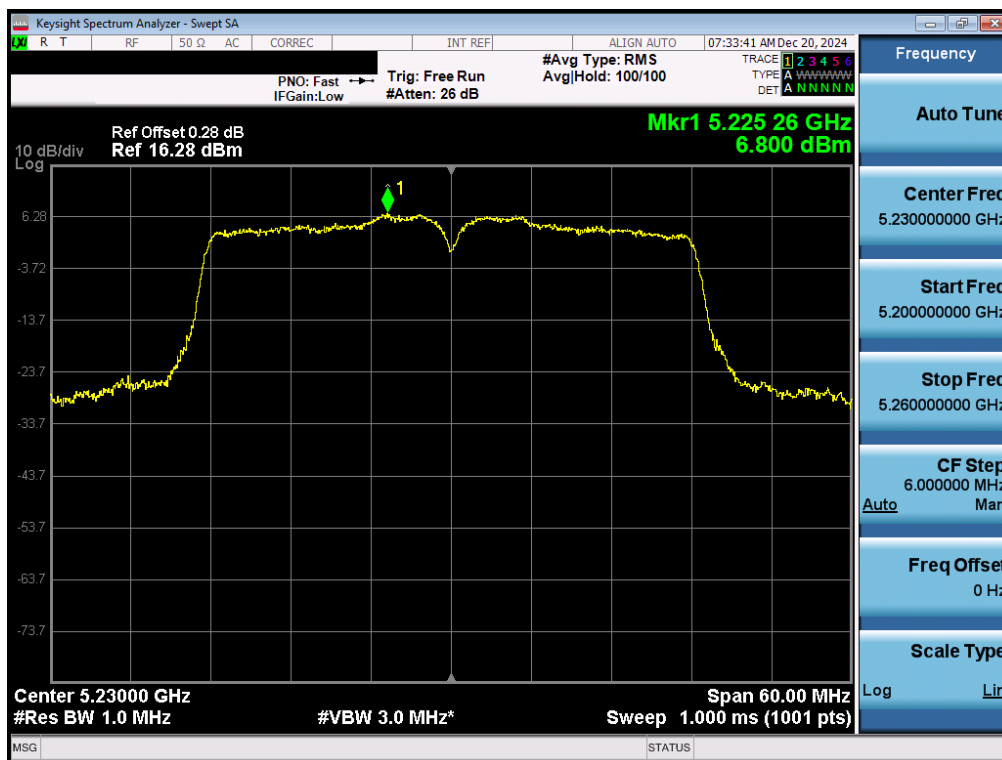
Plot 7-70. ISED PSD SDM Primary Antenna 3b (20MHz BW 11n – Ch.48)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 115 of 270

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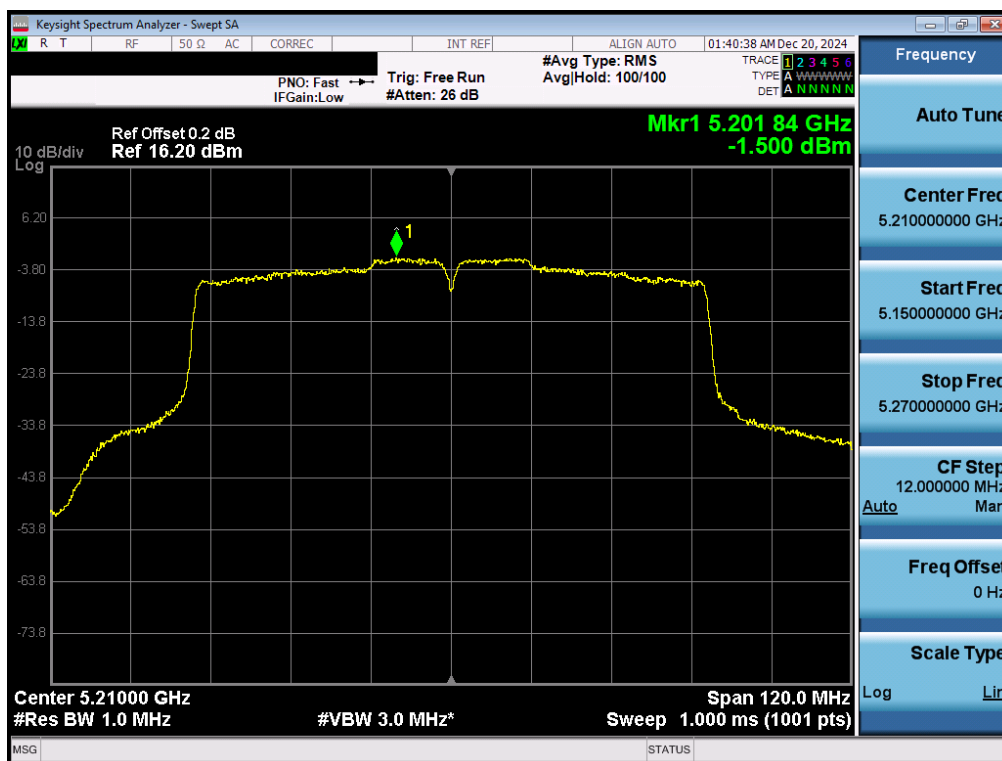
Plot 7-71. ISED PSD SDM Primary Antenna 5T (40MHz BW 11n – Ch.46)



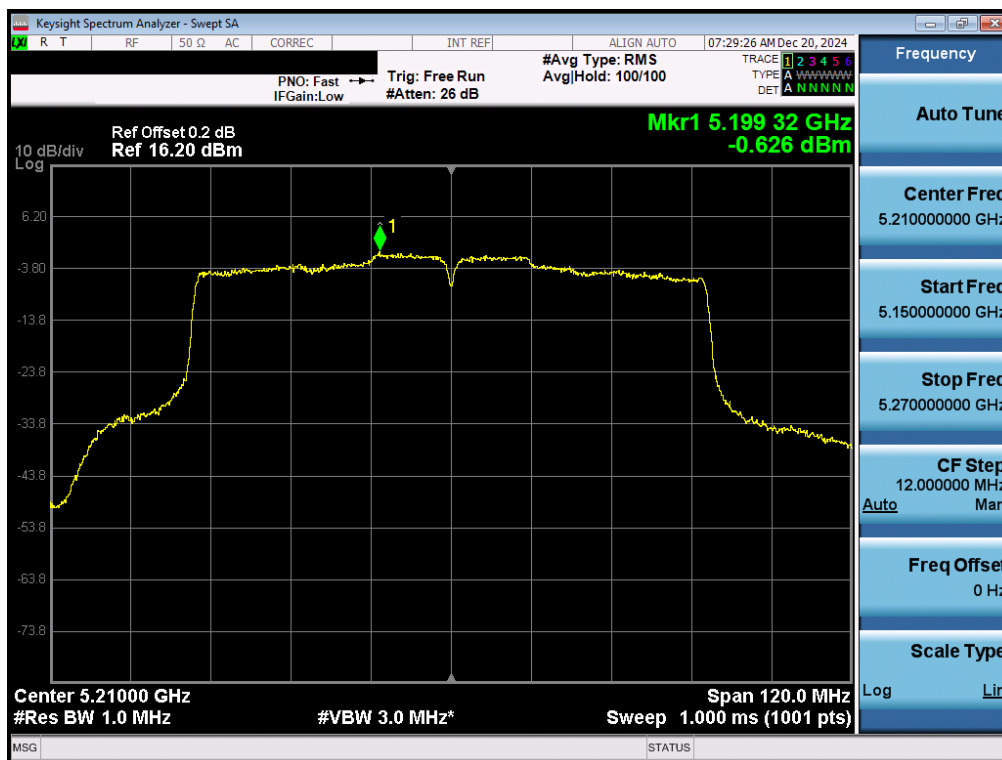
Plot 7-72. ISED PSD SDM Primary Antenna 3b (40MHz BW 11n – Ch.46)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 116 of 270

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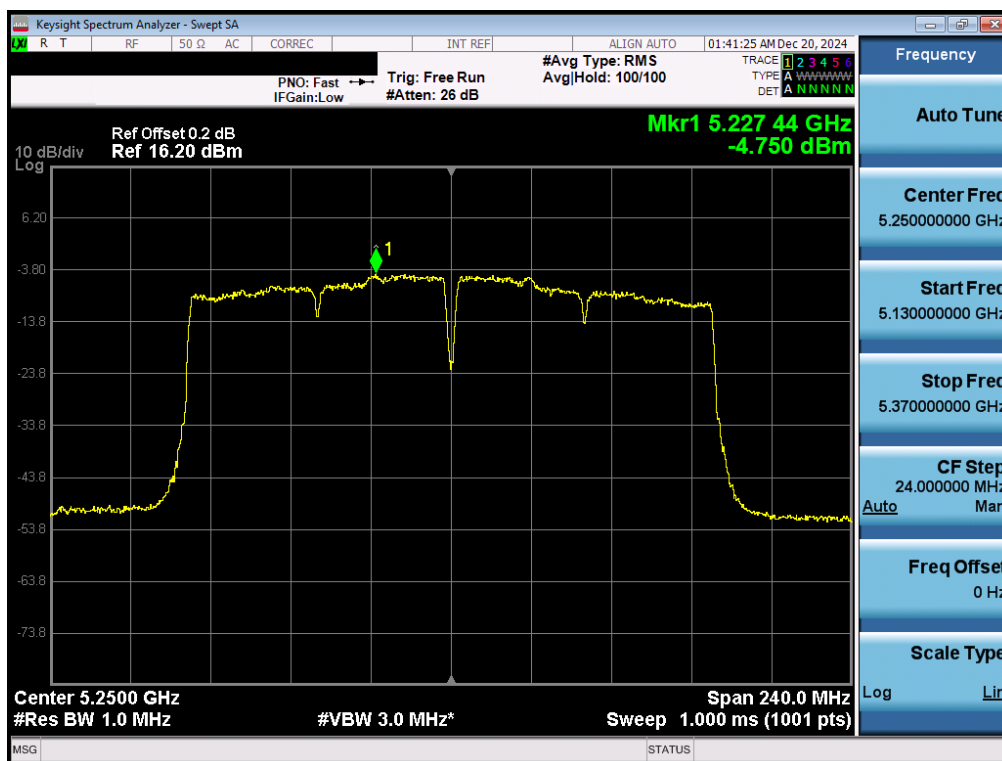
Plot 7-73. ISED PSD SDM Primary Antenna 5T (80MHz BW 11ac – Ch.42)



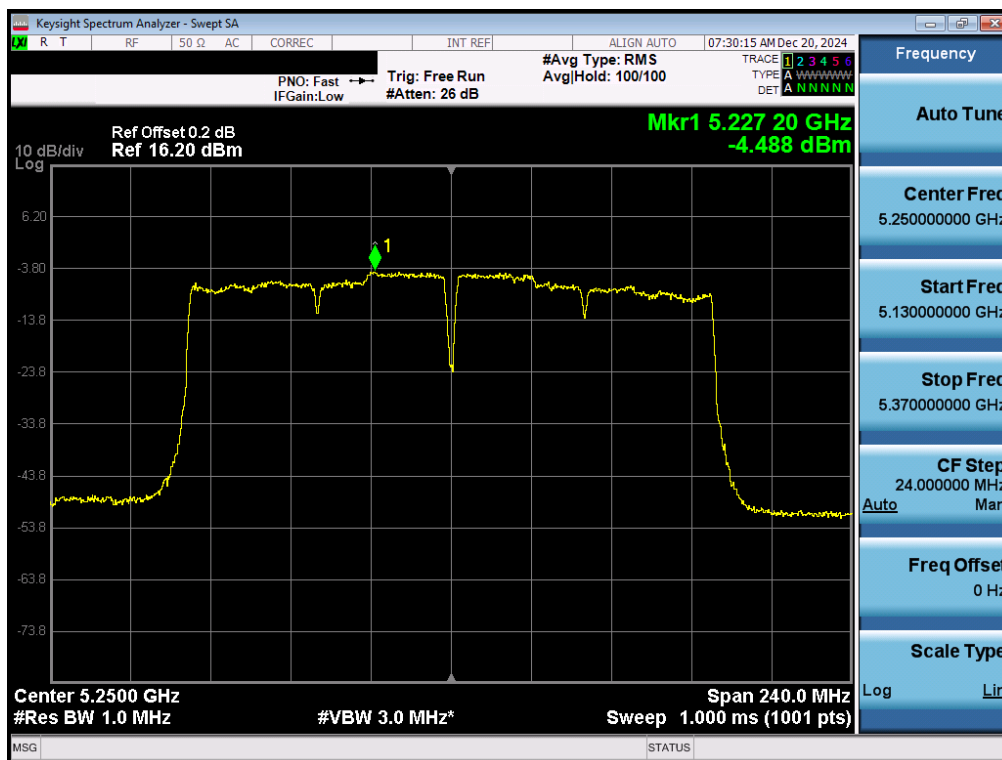
Plot 7-74. ISED PSD SDM Primary Antenna 3b (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 117 of 270

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Plot 7-75. ISED PSD SDM Primary Antenna 5T (160MHz BW 11ac – Ch.50)



Plot 7-76. ISED PSD SDM Primary Antenna 3b (160MHz BW 11ac – Ch.50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 118 of 270

7.5.5 Summed CDD/SDM Diversity Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Mode	Antenna 5T Power Density [dBm/MHz]	Antenna 1b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	78/86.7 (MCS12)	CDD	7.13	5.33	9.33	11.00	-1.67
	5200	40	n (20MHz)	39/43.3 (MCS10)	CDD	7.17	5.01	9.23	11.00	-1.77
	5240	48	n (20MHz)	78/86.7 (MCS12)	CDD	7.39	5.67	9.62	11.00	-1.38
	5180	36	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.14	4.24	8.30	11.00	-2.70
	5200	40	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	6.74	4.76	8.87	11.00	-2.13
	5240	48	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	6.81	4.86	8.95	11.00	-2.05
	5190	38	n (40MHz)	81/60 (MCS10)	CDD	3.50	1.81	5.75	11.00	-5.25
	5230	46	n (40MHz)	162/180 (MCS12)	CDD	6.71	4.50	8.75	11.00	-2.25
	5190	38	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	0.53	-1.46	2.66	11.00	-8.34
	5230	46	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	5.49	3.68	7.69	11.00	-3.31
Band 1/2	5210	42	ac (80MHz)	175.5/195 (MCS2)	CDD	-1.27	-3.17	0.89	11.00	-10.11
	5210	42	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-2.57	-4.73	-0.51	11.00	-11.51
Band 2A	5250	50	ac (160MHz)	175.5/195 (MCS2)	CDD	-4.51	-6.95	-2.55	11.00	-13.55
	5250	50	ax (SU) (160MHz)	204/216.2 (MCS2)	CDD	-5.77	-7.92	-3.70	11.00	-14.70
	5260	52	n (20MHz)	39/43.3 (MCS10)	CDD	7.53	5.33	9.58	11.00	-1.42
	5300	60	n (20MHz)	78/86.7 (MCS12)	CDD	7.00	5.23	9.21	11.00	-1.79
	5320	64	n (20MHz)	39/43.3 (MCS10)	CDD	6.73	5.00	8.96	11.00	-2.04
	5260	52	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	7.05	4.68	9.04	11.00	-1.96
	5300	60	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	6.64	4.84	8.84	11.00	-2.16
	5320	64	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.12	3.87	8.15	11.00	-2.85
	5270	54	n (40MHz)	162/180 (MCS12)	CDD	6.84	4.88	8.98	11.00	-2.02
	5310	62	n (40MHz)	81/60 (MCS10)	CDD	3.52	1.69	5.71	11.00	-5.29
Band 2C	5270	54	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	5.25	3.03	7.29	11.00	-3.71
	5310	62	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	1.02	-0.85	3.19	11.00	-7.81
	5290	58	ac (80MHz)	175.5/195 (MCS2)	CDD	-0.18	-1.81	2.09	11.00	-8.91
	5290	58	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-2.47	-4.16	-0.23	11.00	-11.23
	5500	100	n (20MHz)	39/43.3 (MCS10)	CDD	6.98	5.29	9.23	11.00	-1.77
	5580	116	n (20MHz)	78/86.7 (MCS12)	CDD	7.10	5.65	9.44	11.00	-1.56
	5700	140	n (20MHz)	39/43.3 (MCS10)	CDD	7.04	4.82	9.08	11.00	-1.92
	5720	144	n (20MHz)	39/43.3 (MCS10)	CDD	7.23	5.17	9.33	11.00	-1.67
	5500	100	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	5.32	3.50	7.51	11.00	-3.49
	5580	116	ax (SU) (20MHz)	270/286.8 (MCS11)	CDD	6.67	4.96	8.91	11.00	-2.09
	5700	140	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	3.99	2.27	6.22	11.00	-4.78
	5720	144	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.52	5.29	8.96	11.00	-2.04
	5510	102	n (40MHz)	81/60 (MCS10)	CDD	2.97	1.27	5.21	11.00	-5.79
	5550	110	n (40MHz)	81/60 (MCS10)	CDD	5.93	4.49	8.28	11.00	-2.72
	5590	118	n (40MHz)	81/60 (MCS10)	CDD	6.80	4.88	8.95	11.00	-2.05
	5670	134	n (40MHz)	81/60 (MCS10)	CDD	5.39	3.68	7.63	11.00	-3.37
	5710	142	n (40MHz)	162/180 (MCS12)	CDD	6.55	4.93	8.83	11.00	-2.17
	5510	102	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	0.58	-1.37	2.73	11.00	-8.27
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	4.00	2.29	6.24	11.00	-4.76
	5590	118	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	5.76	3.84	7.91	11.00	-3.09
	5670	134	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	3.64	1.90	5.87	11.00	-5.13
	5710	142	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	5.45	3.50	7.59	11.00	-3.41
	5530	106	ac (80MHz)	175.5/195 (MCS2)	CDD	-0.99	-2.38	1.38	11.00	-9.62
	5610	122	ac (80MHz)	175.5/195 (MCS2)	CDD	2.71	1.40	5.11	11.00	-5.89
	5690	138	ac (80MHz)	351/390 (MCS4)	CDD	3.53	1.82	5.77	11.00	-5.23
	5530	106	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-3.31	-5.03	-1.08	11.00	-12.08
	5610	122	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	1.66	-0.44	3.74	11.00	-7.26
	5690	138	ax (SU) (80MHz)	1134/1201 (MCS11)	CDD	2.51	0.51	4.63	11.00	-6.37
	5570	114	ac (160MHz)	175.5/195 (MCS2)	CDD	-5.37	-7.16	-3.16	11.00	-14.16
	5570	114	ax (SU) (160MHz)	204/216.2 (MCS2)	CDD	-6.55	-8.51	-4.41	11.00	-15.41

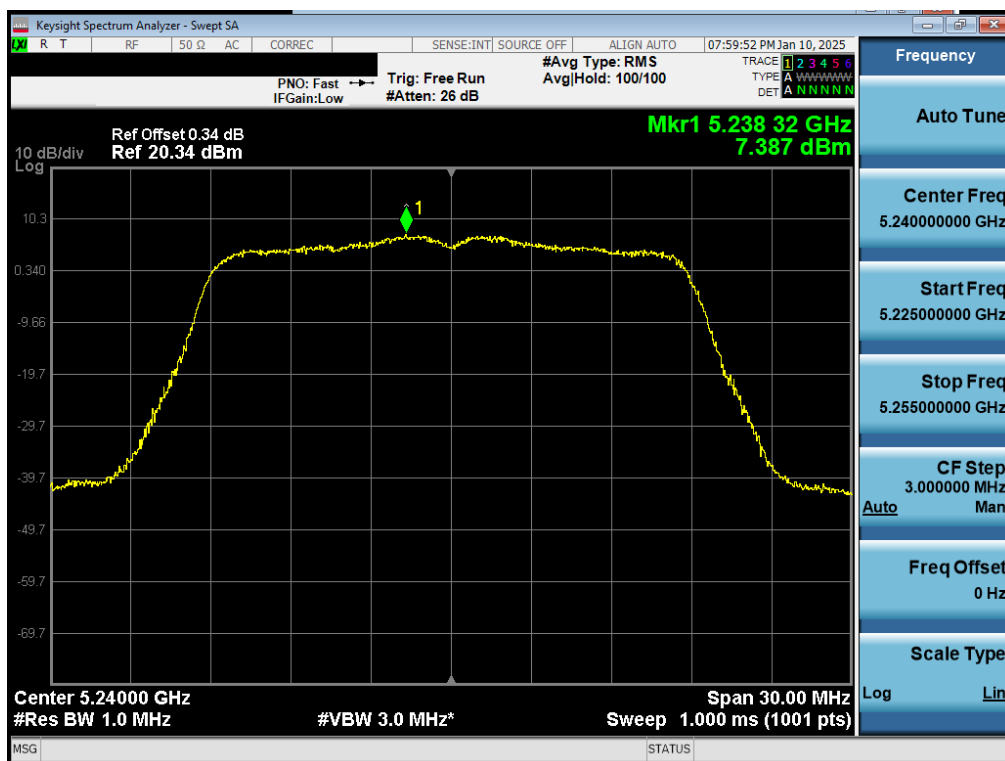
Table 7-110. Bands 1, 2A, 2C CDD Diversity Power Spectral Density Measurements

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

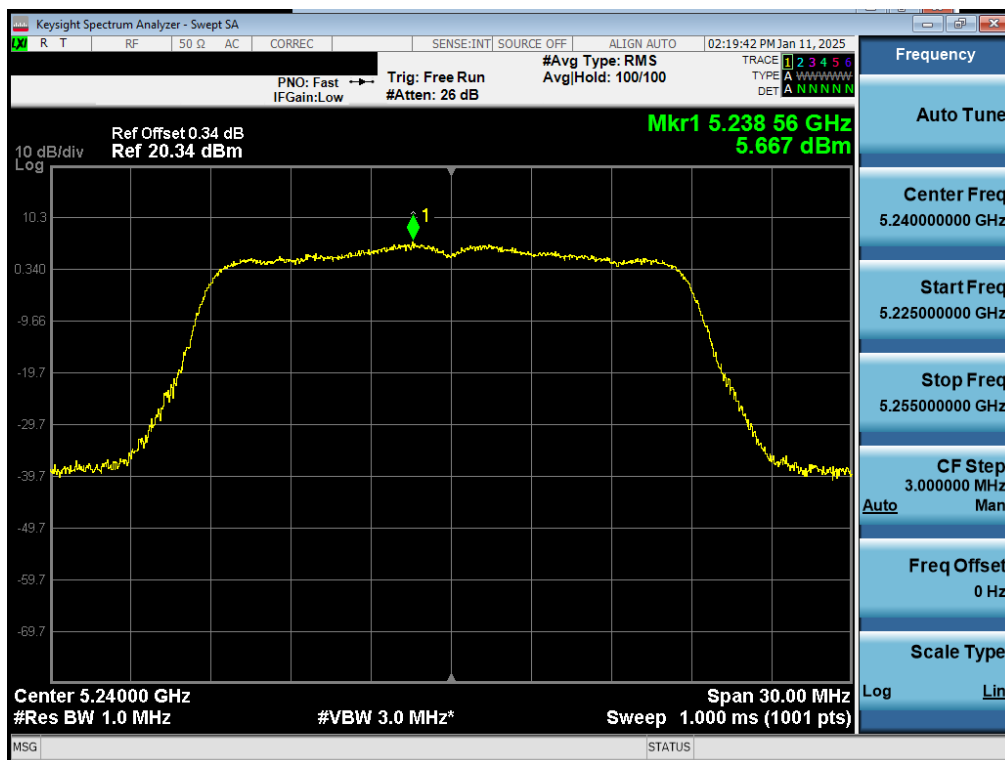
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 119 of 270

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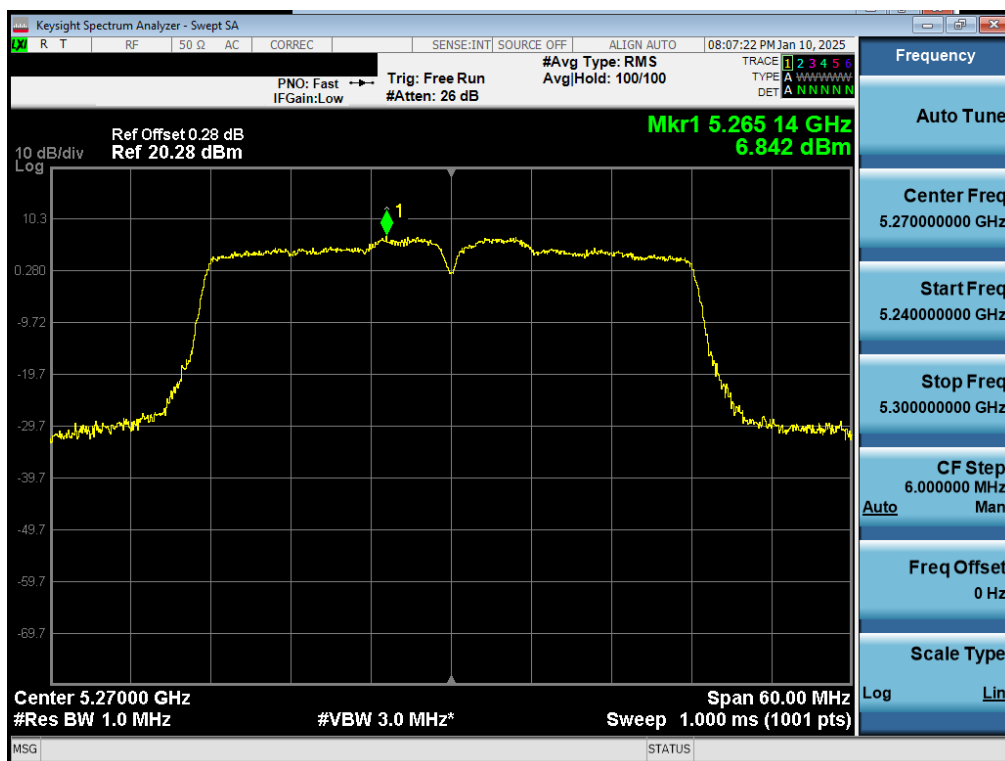


Plot 7-77. PSD CDD Diversity Antenna 5T (20MHz BW 802.11n – Ch. 48)

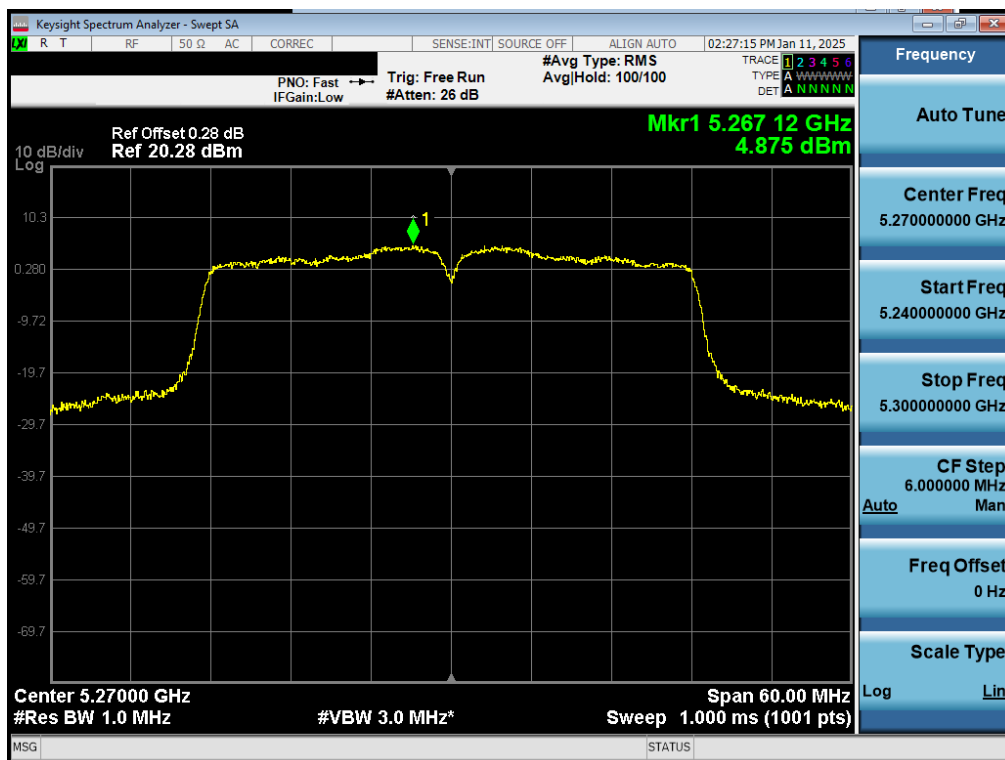


Plot 7-78. PSD CDD Diversity Antenna 1b (20MHz BW 802.11n – Ch. 48)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 120 of 270



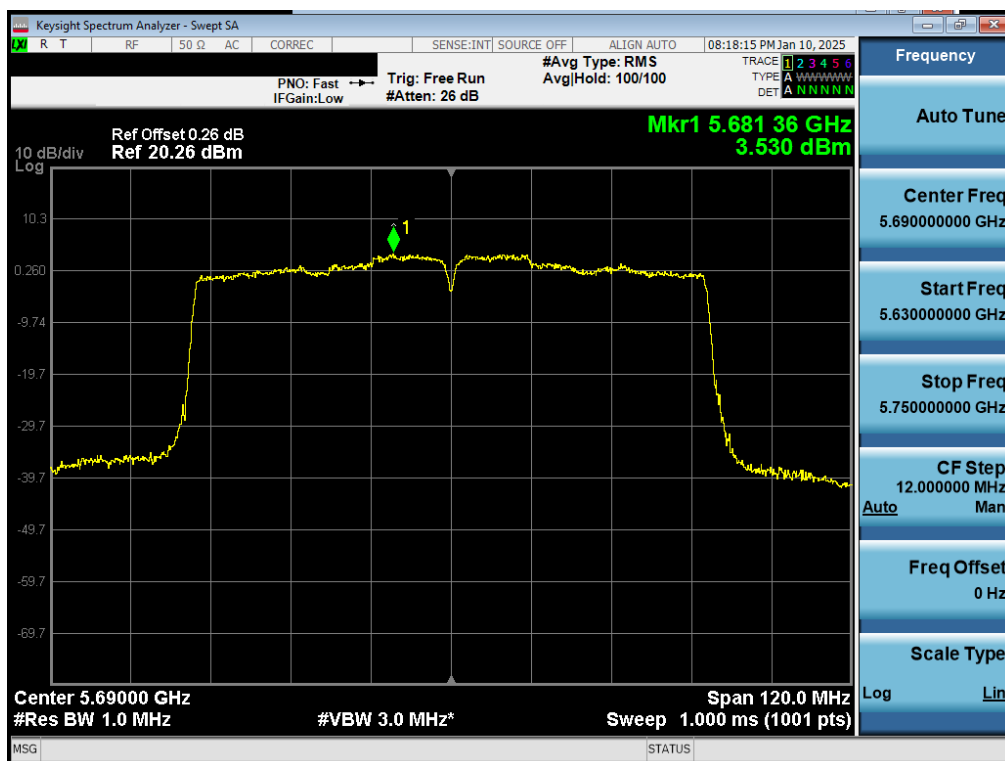
Plot 7-79. PSD CDD Diversity Antenna 5T (40MHz BW 802.11n – Ch. 54)



Plot 7-80. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n – Ch. 54)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 121 of 270

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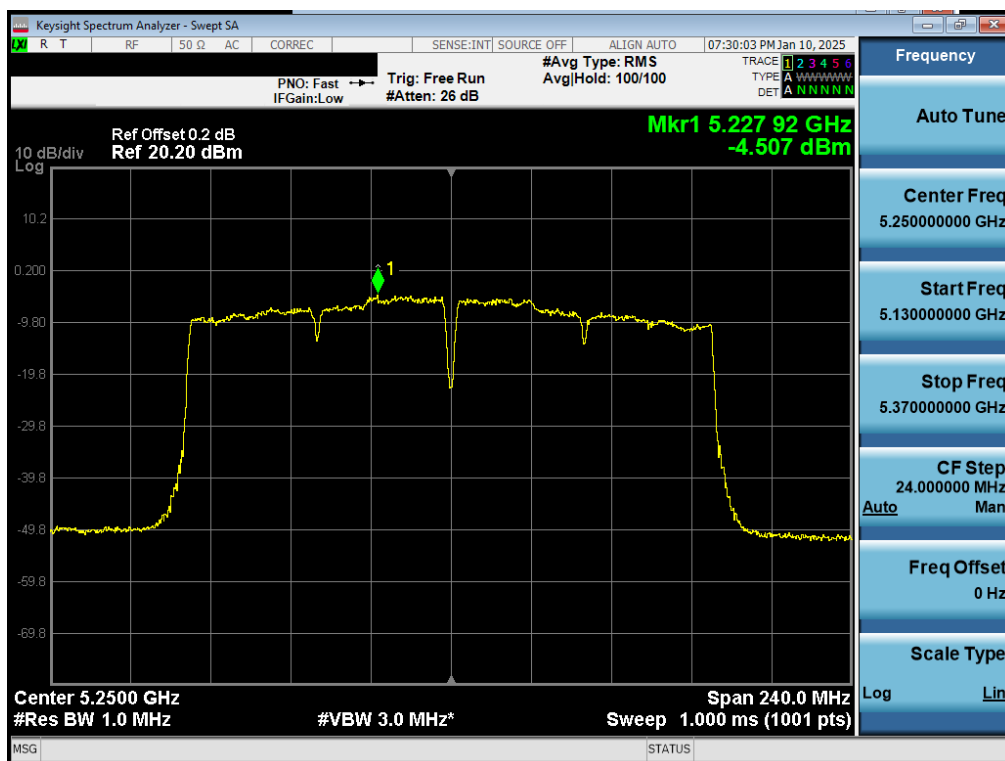


Plot 7-81. PSD CDD Diversity Antenna 5T (80MHz BW 802.11ac – Ch. 138)

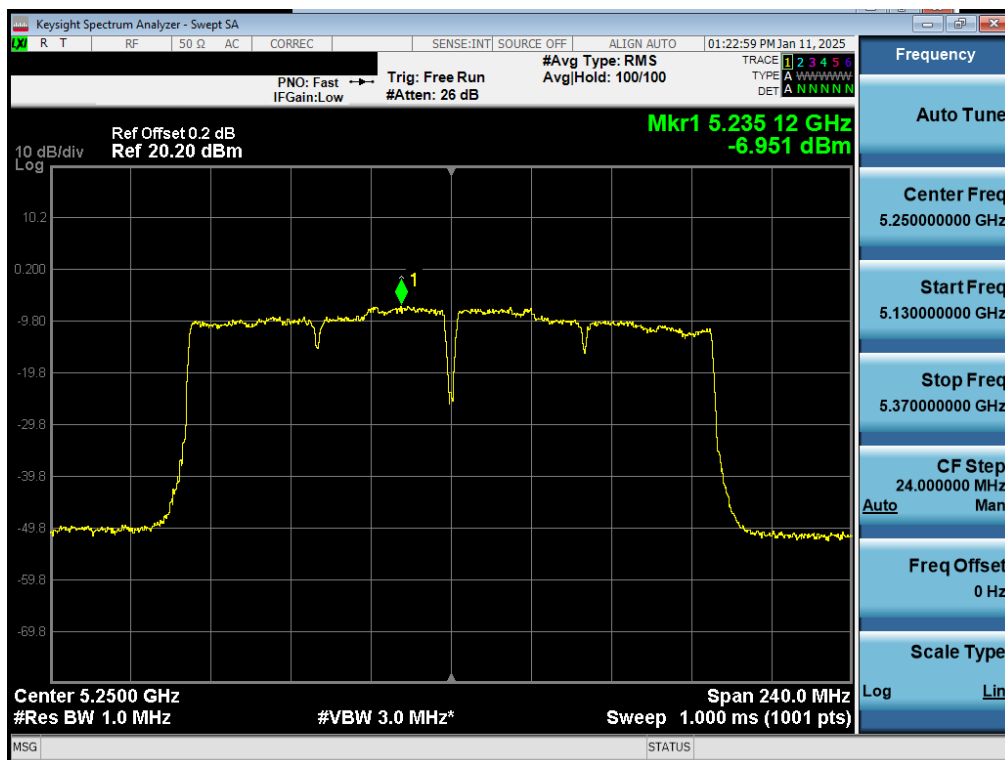


Plot 7-82. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac – Ch. 138)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 122 of 270



Plot 7-83. PSD CDD Diversity Antenna 5T (160MHz BW 802.11ac – Ch. 50)



Plot 7-84. PSD CDD Diversity Antenna 3b (160MHz BW 802.11ac – Ch. 50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 123 of 270

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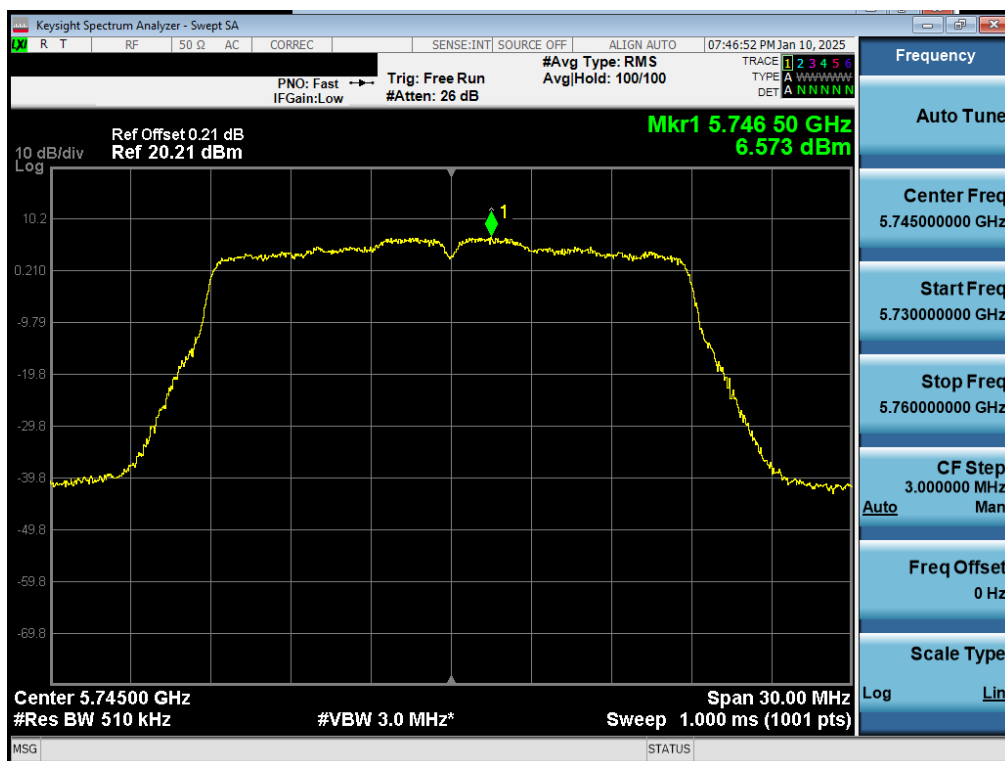
	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/500kHz]	Antenna 1b Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	39/43.3 (MCS10)	7.06	5.10	9.20	30.0	-20.80
	5785	157	n (20MHz)	CDD	78/86.7 (MCS12)	6.62	4.77	8.80	30.0	-21.20
	5825	165	n (20MHz)	CDD	78/86.7 (MCS12)	6.63	5.15	8.96	30.0	-21.04
	5745	149	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.53	3.76	7.75	30.0	-22.25
	5785	157	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.12	3.70	7.48	30.0	-22.52
	5825	165	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	5.54	3.67	7.72	30.0	-22.28
	5755	151	n (40MHz)	CDD	162/180 (MCS12)	3.72	2.15	6.02	30.0	-23.98
	5795	159	n (40MHz)	CDD	162/180 (MCS12)	3.56	1.93	5.83	30.0	-24.17
	5755	151	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	2.79	1.22	5.08	30.0	-24.92
	5795	159	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	2.50	0.86	4.76	30.0	-25.24
	5775	155	ac (80MHz)	CDD	351/390 (MCS4)	-1.20	-2.97	1.02	30.0	-28.98
	5775	155	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-3.14	-4.83	-0.89	30.0	-30.89

Table 7-111. Band 3 Power Spectral Density Measurements CDD Diversity

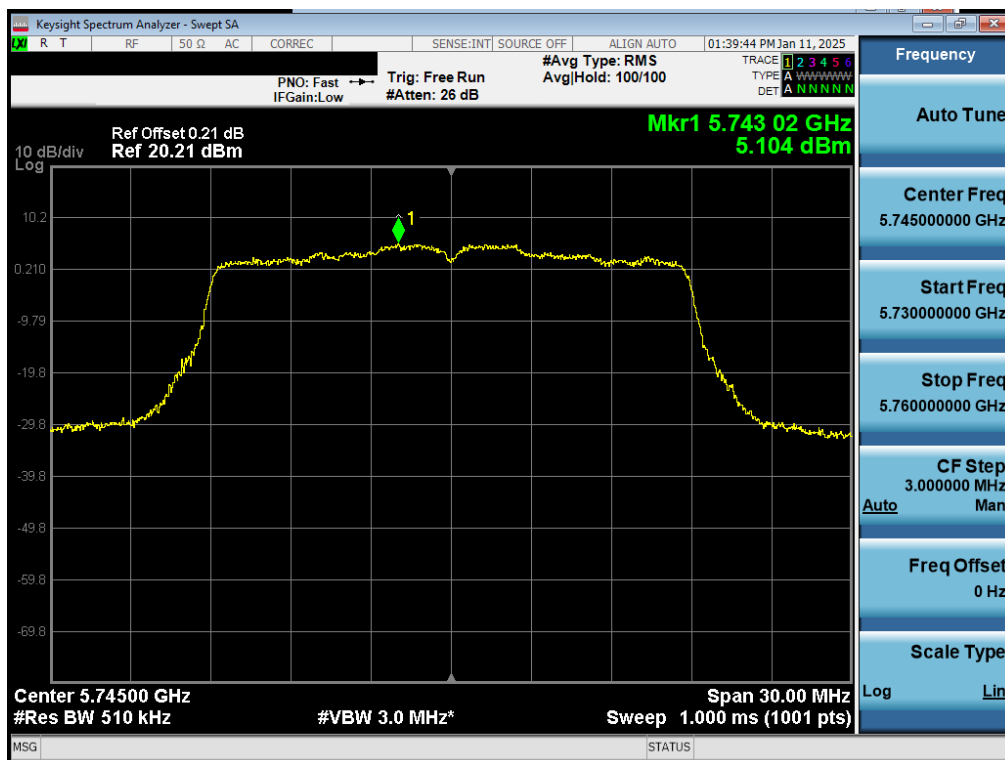
FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 124 of 270

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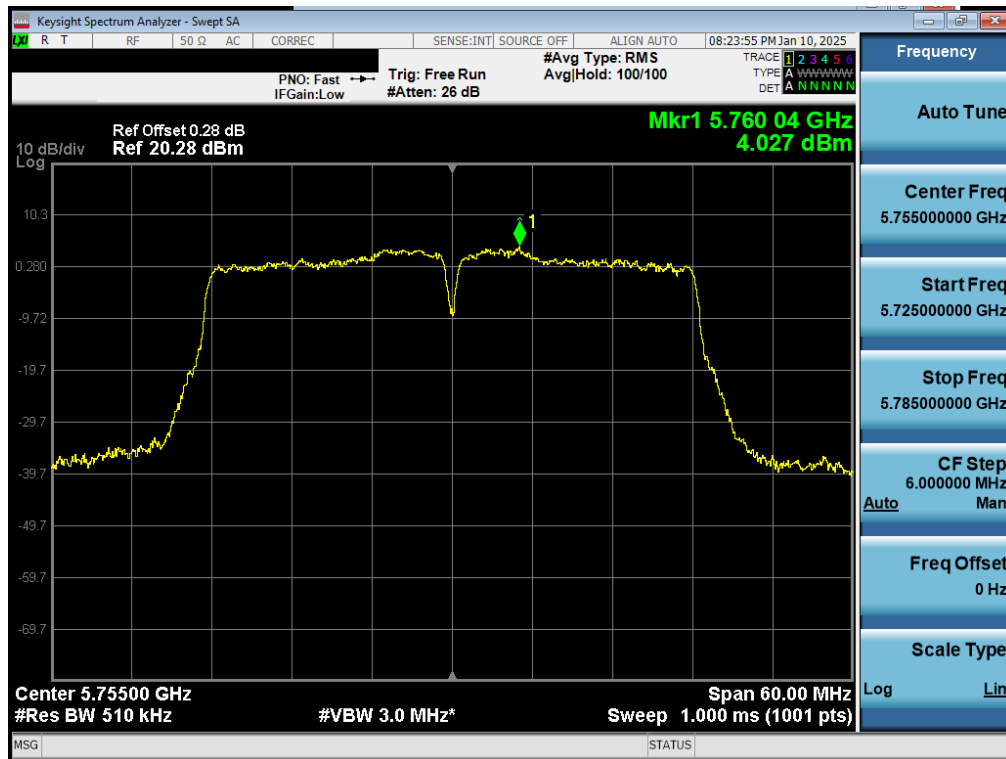
Plot 7-85. PSD CDD Diversity Antenna 5T (20MHz BW 802.11n – Ch. 149)



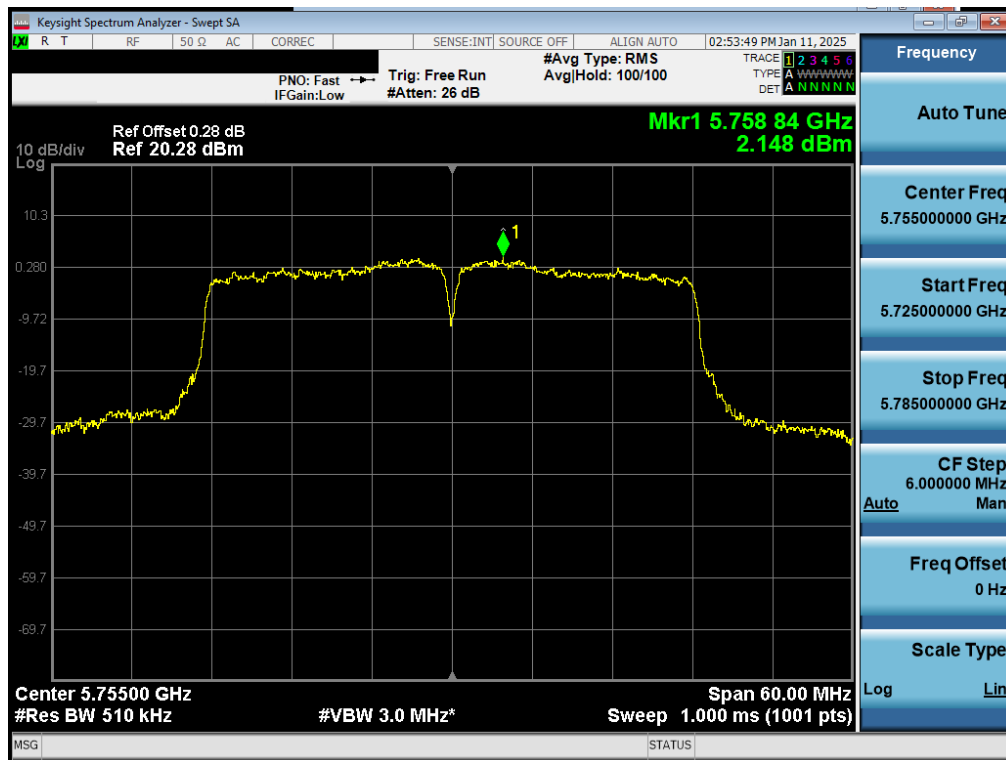
Plot 7-86. PSD CDD Diversity Antenna 1b (20MHz BW 802.11n – Ch. 149)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 125 of 270

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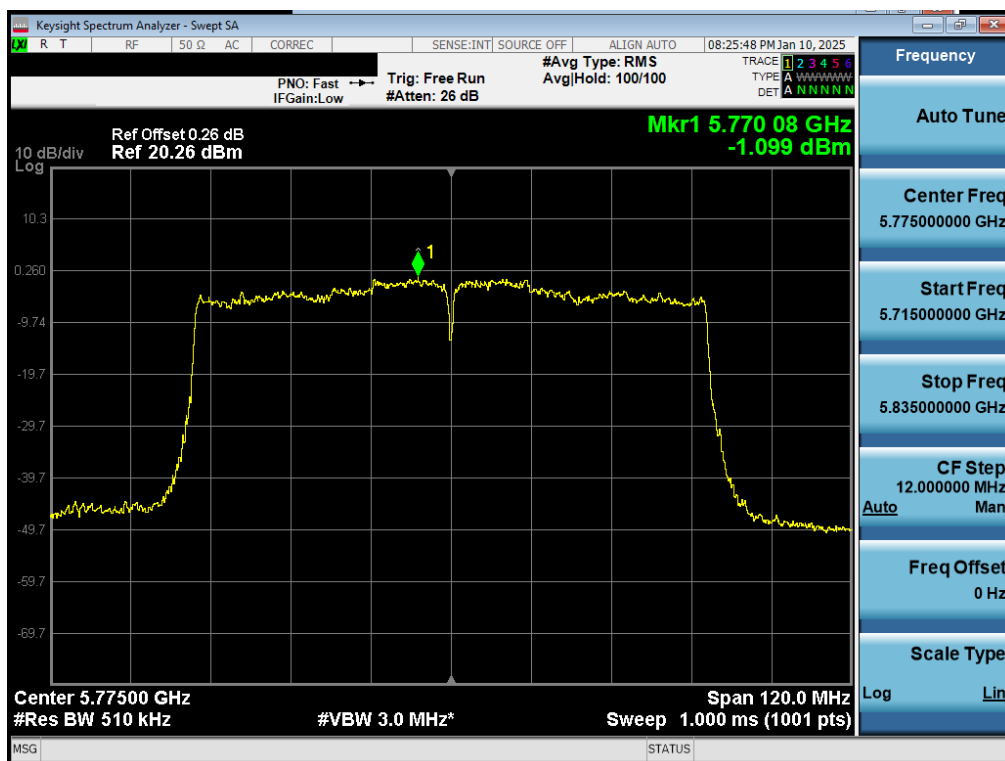


Plot 7-87. PSD CDD Diversity Antenna 5T (40MHz BW 802.11n – Ch. 151)

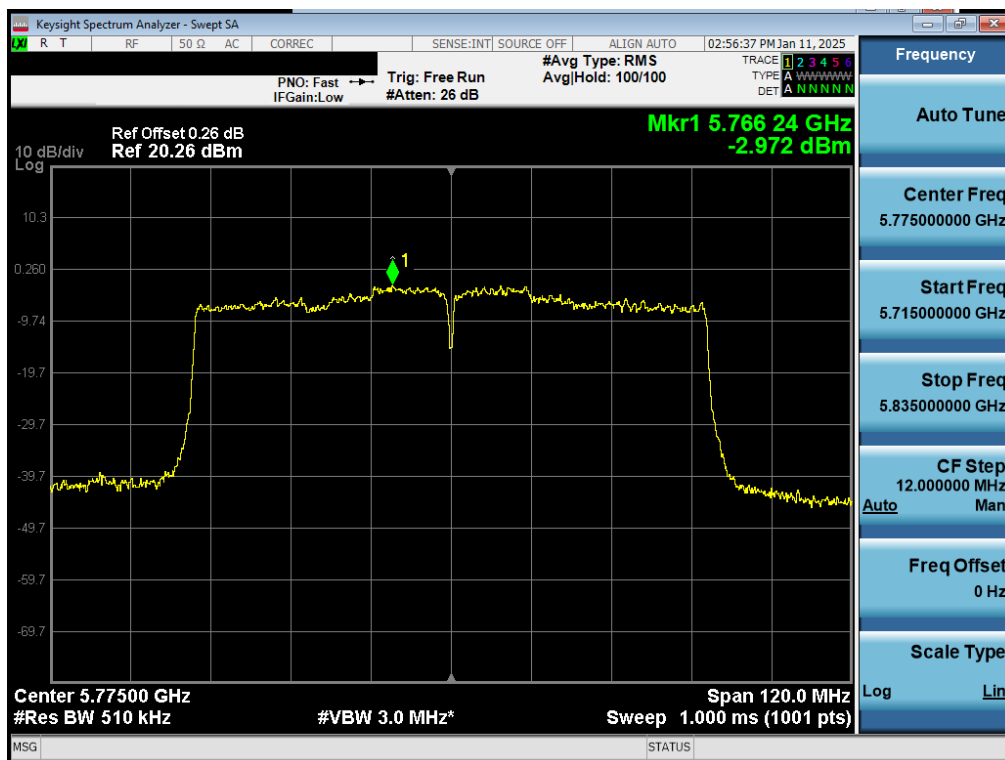


Plot 7-88. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n – Ch. 159)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 126 of 270



Plot 7-89. PSD CDD Diversity Antenna 5T (80MHz BW 802.11ac – Ch. 155)



Plot 7-90. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac – Ch. 155)

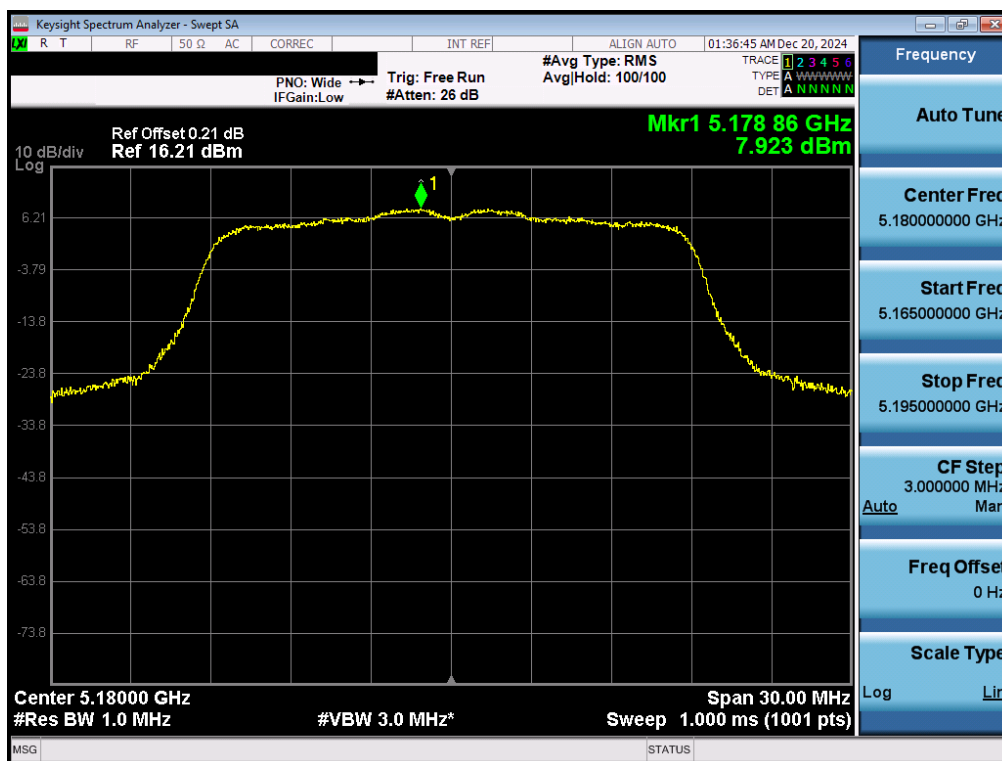
FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 127 of 270

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/MHz]	Antenna 1b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directoinal 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	39/43.3 (MCS10)	7.92	6.07	10.11	-1.60	8.50	10.0	-1.50
	5200	40	n (20MHz)	SDM	78/86.7 (MCS12)	7.52	6.04	9.86	-1.60	8.25	10.0	-1.75
	5240	48	n (20MHz)	SDM	78/86.7 (MCS12)	7.80	6.01	10.00	-1.60	8.40	10.0	-1.60
	5180	36	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	6.24	4.73	8.56	-1.60	6.96	10.0	-3.04
	5200	40	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	7.26	5.45	9.46	-1.60	7.85	10.0	-2.15
	5240	48	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	7.05	5.56	9.38	-1.60	7.78	10.0	-2.22
	5190	38	n (40MHz)	SDM	81/60 (MCS10)	3.63	1.68	5.77	-1.60	4.17	10.0	-5.83
	5230	46	n (40MHz)	SDM	162/180 (MCS12)	6.74	4.80	8.89	-1.60	7.28	10.0	-2.72
	5190	38	ax (SU) (40MHz)	SDM	271/286.8 (MCS11)	0.75	-1.15	2.91	-1.60	1.31	10.0	-8.69
	5230	46	ax (SU) (40MHz)	SDM	98/103.2 (MCS2)	5.46	3.45	7.58	-1.60	5.98	10.0	-4.02
	5210	42	ac (80MHz)	SDM	175.5/195 (MCS2)	-1.50	-2.89	0.87	-1.60	-0.73	10.0	-10.73
	5210	42	ax (SU) (80MHz)	SDM	204/216.2 (MCS2)	-2.27	-3.84	0.02	-1.60	-1.58	10.0	-11.58
Band 1/2	5250	50	ac (160MHz)	SDM	175.5/195 (MCS2)	-4.75	-6.53	-2.54	-1.60	-4.14	10.0	-14.14
	5250	50	ax (SU) (160MHz)	SDM	204/216.2 (MCS2)	-5.51	-7.44	-3.36	-1.60	-4.96	10.0	-14.96

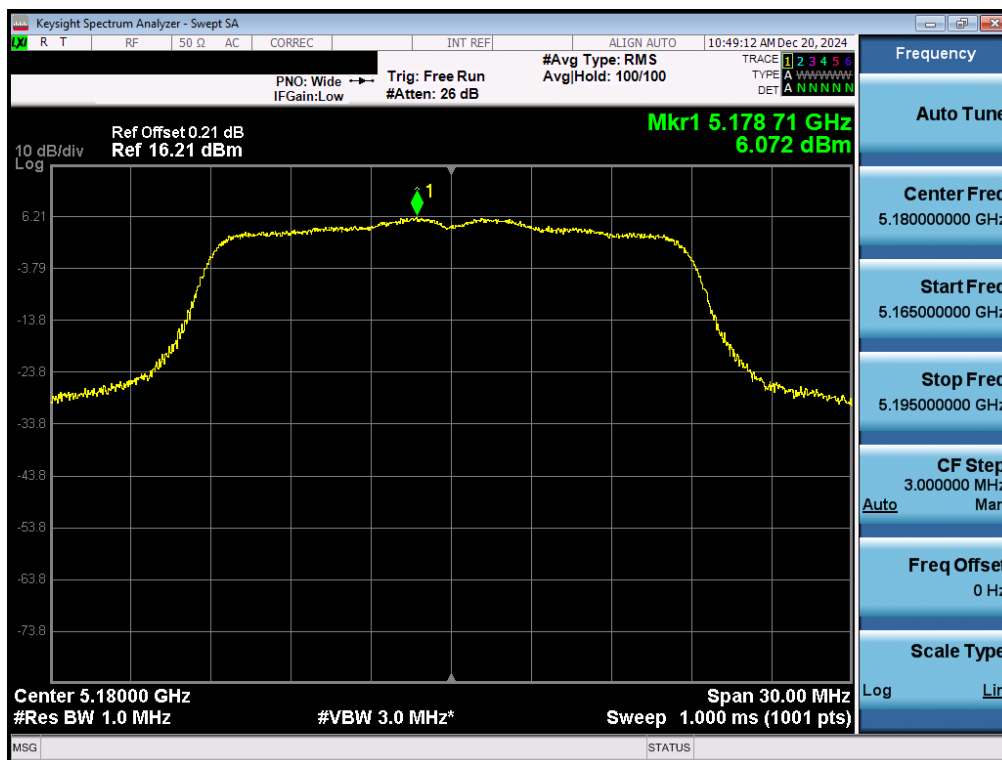
Table 7-112. ISED Band 1 e.i.r.p. Power Spectral Density Measurements SDM Diversity

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 128 of 270

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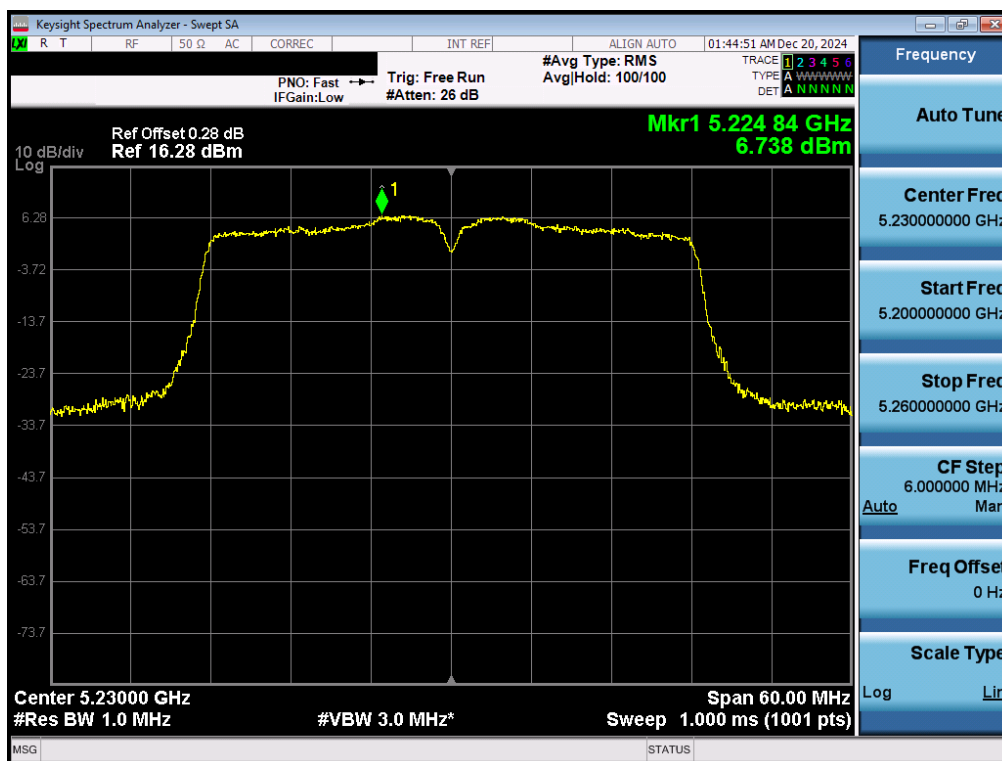
Plot 7-91. ISED PSD SDM Diversity Antenna 5T (20MHz BW 11n – Ch.36)



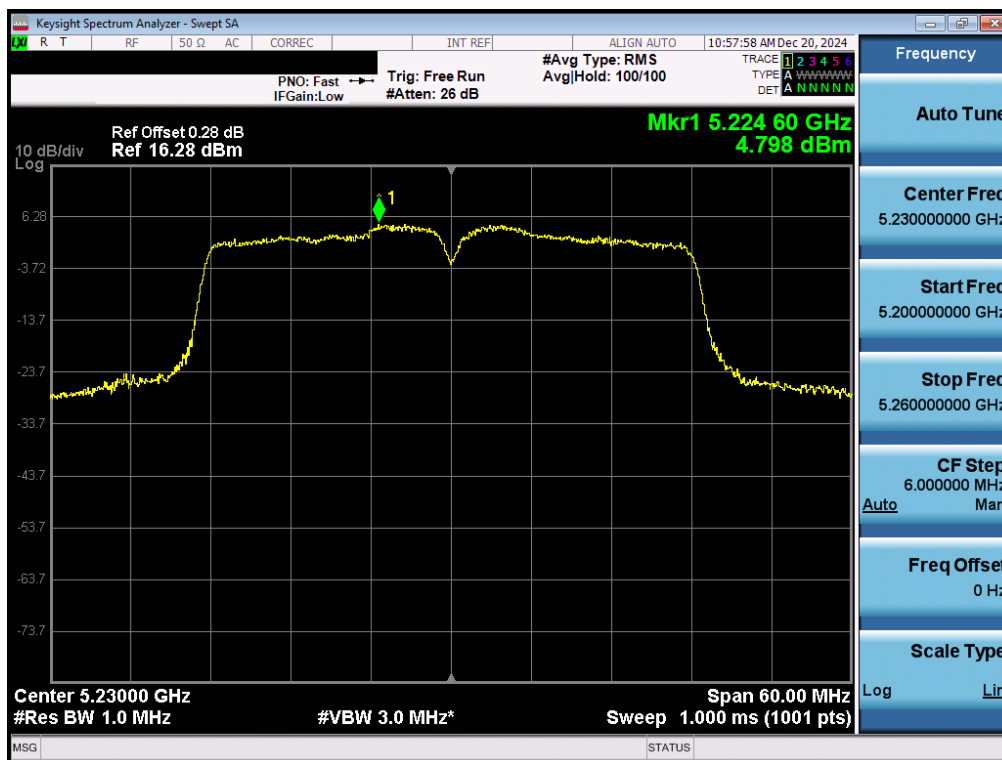
Plot 7-92. ISED PSD SDM Diversity Antenna 1b (20MHz BW 11n – Ch.36)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 129 of 270

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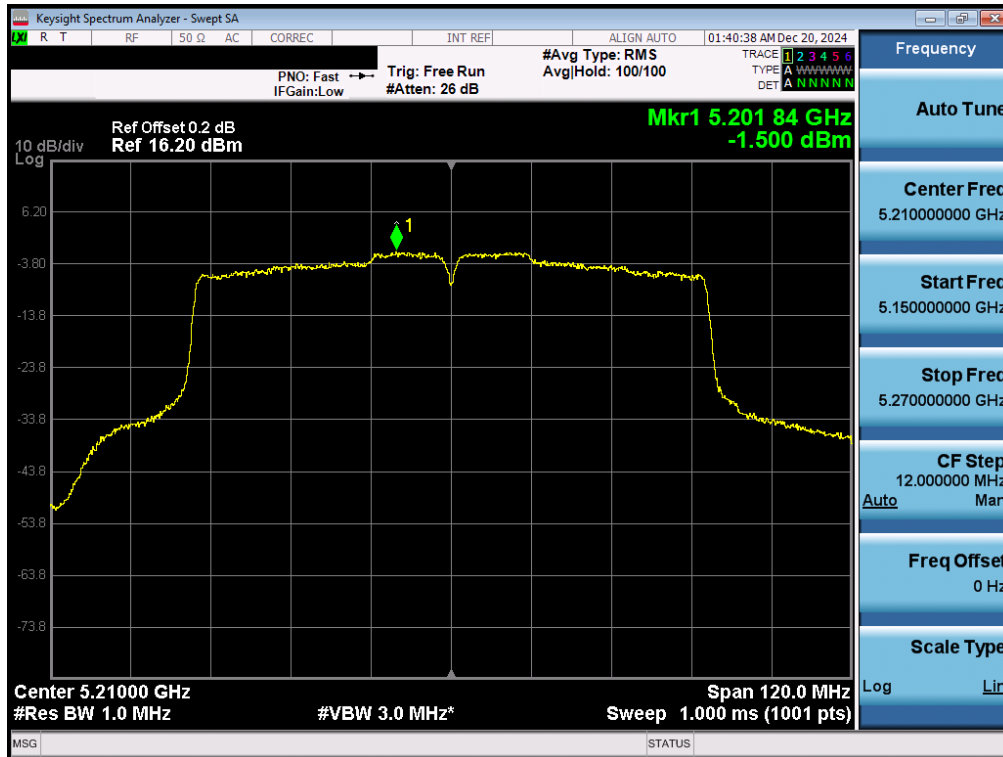
Plot 7-93. ISED PSD SDM Primary Antenna 5T (40MHz BW 11n – Ch.46)



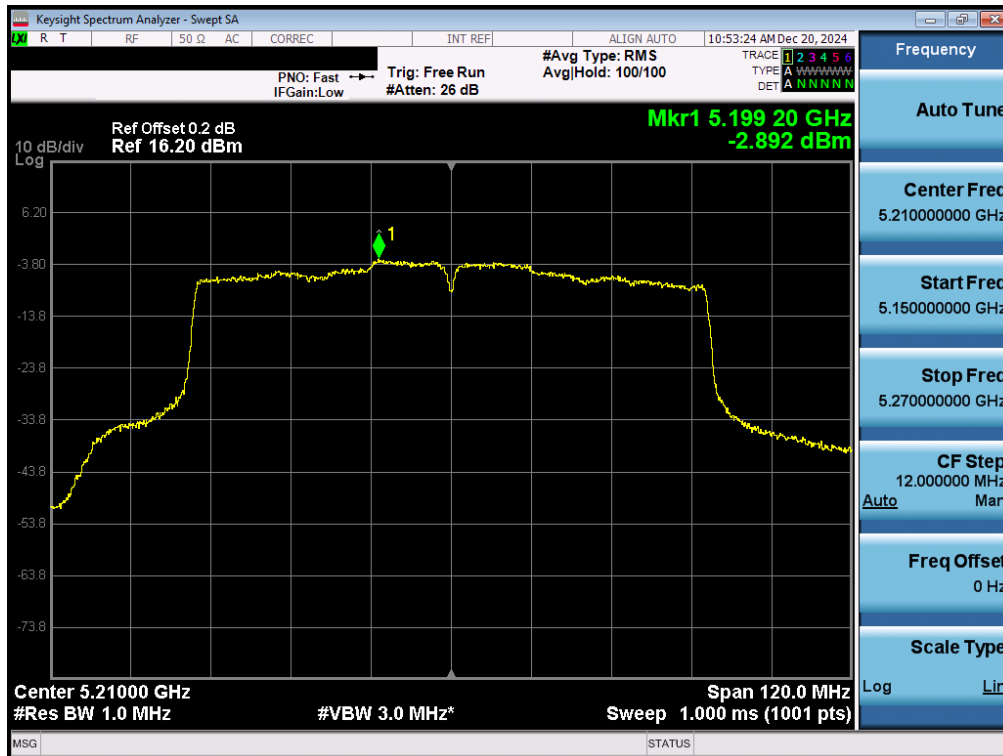
Plot 7-94. ISED PSD SDM Primary Antenna 3b (40MHz BW 11n – Ch.46)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 130 of 270

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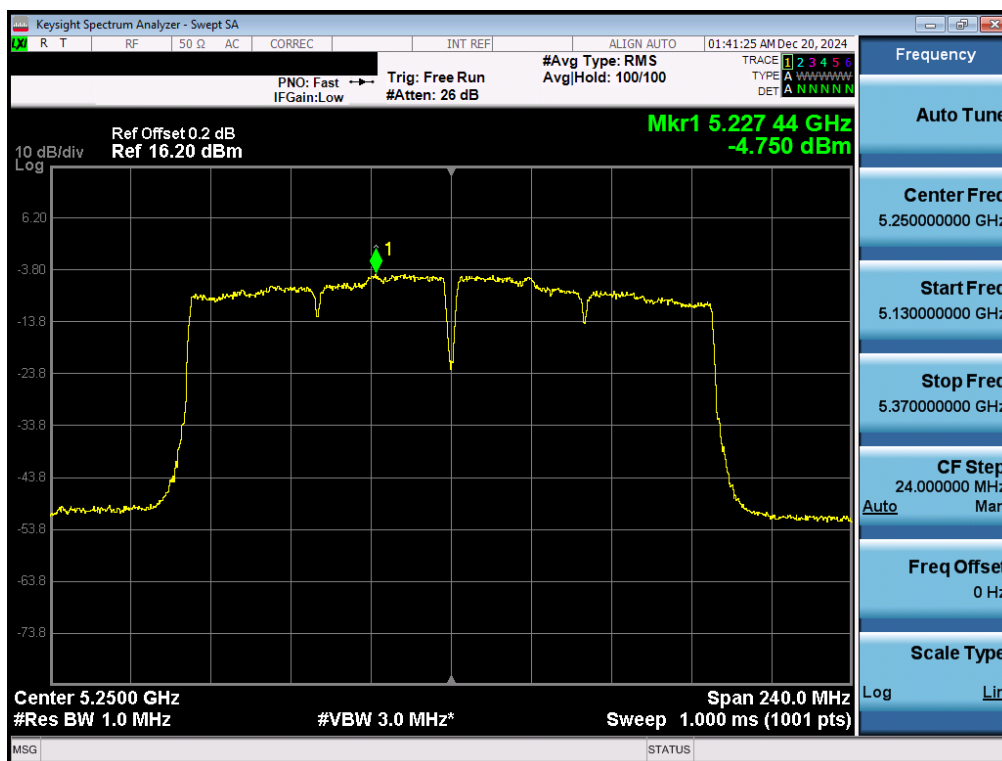


Plot 7-95. ISED PSD SDM Primary Antenna 5T (80MHz BW 11ac – Ch.42)

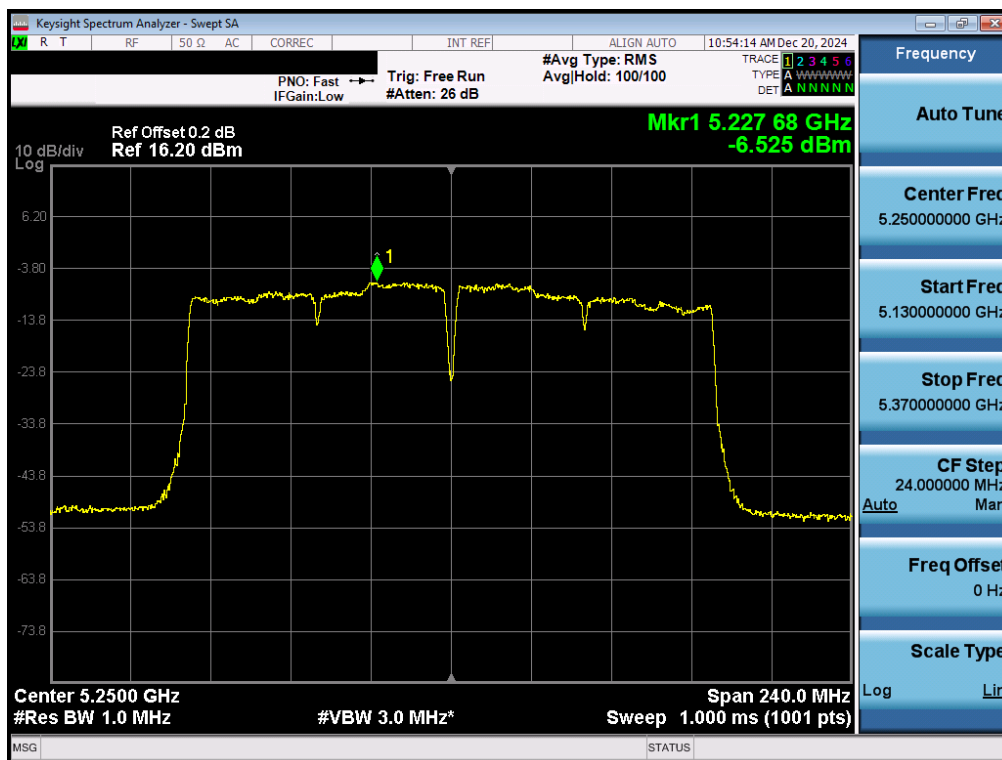


Plot 7-96. ISED PSD SDM Primary Antenna 3b (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 131 of 270



Plot 7-97. ISED PSD SDM Primary Antenna 5T (160MHz BW 11ac – Ch.50)



Plot 7-98. ISED PSD SDM Primary Antenna 3b (160MHz BW 11ac – Ch.50)

FCC ID: BCGA3269 IC: 579C-A3269	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 132 of 270

Note:

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 5T and Antenna 3b were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2020 Section 14.6.3, 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.

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

Per ANSI C63.10-2020 Section 14.6.3, the uncorrelated 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.

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

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 7.92 dBm for Antenna 5T and 7.69 dBm for Antenna 3b.

$$\text{Antenna 5T} + \text{Antenna 3b} = \text{CDD/SDM}$$

$$(7.92 \text{ dBm} + 7.69 \text{ dBm}) = (6.19\text{mW} + 5.87\text{mW}) = 12.06\text{mW} = 10.82 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 10.82 dBm with directional gain of -1.83 dBi.

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

$$10.82 \text{ dBm} + -1.83 \text{ dBi} = 8.99 \text{ dBm}$$

FCC ID: BCGA3269 IC: 579C-A3269	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 133 of 270

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