RF TEST REPORT

Applicant	ZTE Corporation
FCC ID	SRQ-ZTEA2023G
Product	5G NR Multi model smart phone
Model	ZTE A2023G
Report No.	R2204A0354-R6V1
Issue Date	June 2, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Peng Tao

Approved by: Kai Xu

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TABLE OF CONTENT

Version	Revision description	Issue Date
Rev.0	Initial issue of report.	May 28, 2022
Rev.1	Update data. Update information.	June 2, 2022
Note: This revised report (Report No. R2204A0354-R6V1) supersedes and replaces the previously issued report (Report No. R2204A0354-R6). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of measurement results

Number	Test Case	Clause in FCC rules	Verdict
1	Average output power	15.407(a)	PASS
2	Occupied bandwidth	15.407(e)	PASS
3	Frequency stability	15.407(g)	PASS
4	Power spectral density	15.407(a)	PASS
5	Unwanted Emissions	15.407(b)	PASS
6	Conducted Emissions	15.207	PASS
Date of Testing: April 29, 2022 ~ May 9, 2022 and April 15, 2022 ~ May 25, 2022 and June 1, 2022 Date of Sample Received: April 12, 2022			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City:	Shanghai
Post code:	201201
Country:	P. R. China
Contact:	Xu Kai
Telephone:	+86-021-50791141/2/3
Fax:	+86-021-50791141/2/3-8000
Website:	http://www.ta-shanghai.com
E-mail:	xukai@ta-shanghai.com

2. General Description of Equipment under Test

2.1. Applicant and Manufacturer Information

Applicant	ZTE Corporation
Applicant address	ZTE Plaza, #55 Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, China
Manufacturer	ZTE Corporation
Manufacturer address	ZTE Plaza, #55 Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, China

2.2. General information

EUT Description	
Model	ZTE A2023G
SN	327324660004
Hardware Version	ZTE A2023GHW1.0
Software Version	MyOS12.0.2_A2023G_GLB
Power Supply	Battery / AC adapter
Antenna Type	Internal Antenna
Antenna Gain	Antenna 1: -1.50dBi Antenna 2: -3.10dBi
Directional Gain	-0.210dBi
Operating Frequency Range(s)	U-NII-1: 5150MHz-5250MHz U-NII-2A:5250MHz -5350MHz U-NII-2C: 5470MHz-5600MHz ,5650MHz-5725MHz U-NII-3: 5725MHz -5850MHz
Modulation Type	802.11a/n (HT20/HT40) : OFDM 802.11ac (VHT20/VHT40/VHT80): OFDM 802.11ax (HE20/HE40/HE80):OFDM
Max. Conducted Power	21.46dBm
Testing temperature range:	-20 ° C to 50° C
Operating temperature range:	-10 ° C to +40° C
Operating voltage range:	3.7 V to 4.45V
State DC voltage:	3.89V
EUT Accessory	
Adapter	Manufacturer: ShenZhen KunXing Technology Co., Ltd. Model: STC-A59152050AC-Z
Battery	Manufacturer: Zhuhai Cosmx Battery Co., Ltd.

	Model: Li3949T44P8h806459
Earphone 1	Manufacturer: JUWEI ELECTRONICS CO.,LTD Model: JWEP1092-Z01
Earphone 2	Manufacturer: ShenZhen FDC Electronic Co.,Ltd Model: DEM-9A
USB Cable 1	Manufacturer: King Power Electronics Co., Ltd Model: TC20-TC20-W-100-M-6A-HSF
USB Cable 2	Manufacturer: Luxshare-ICT Co., Ltd Model: TC20-TC20-W-100-M-6A-HSF
Type-C to 3.5 mm Headphone Jack Adapter	Manufacturer: HUIZHOU JUWEI ELECTRONICS CO. ,LTD Model: HMZ24
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. 2. This device support automatically discontinue transmission, while the device is not transmitting any information, the device can automatically discontinue transmission and become standby mode for power saving. The device can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission. 3. There is more than one USB cable/ Earphone, each one should be applied throughout the compliance test respectively, and however, only the worst case (USB cable 2) will be recorded in this report.	

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR47 Part 15E (2021) Unlicensed National Information Infrastructure Devices

ANSI C63.10 (2013)

Reference standard:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

4. Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Mode	Data Rate		
	Antenna 1	Antenna 2	MIMO
802.11a	6 Mbps	6 Mbps	/
802.11n HT20	MCS8	MCS8	MCS8
802.11n HT40	MCS8	MCS8	MCS8
802.11ac VHT20	MCS0	MCS0	MCS0
802.11ac VHT40	MCS0	MCS0	MCS0
802.11ac VHT80	MCS0	MCS0	MCS0
802.11ax HE20	MCS0	MCS0	MCS0
802.11ax HE40	MCS0	MCS0	MCS0
802.11ax HE80	MCS0	MCS0	MCS0

Test Cases	Antenna 1	Antenna 2	MIMO
Average conducted output power	O	O	O
Occupied bandwidth	--	--	O
Frequency stability	--	--	802.11a
Power Spectral Density	O	O	O
Unwanted Emissions	--	--	O
Conducted Emissions	--	--	802.11ax HE40
Note：“O”: test all bands			

According to RF Output power results in chapter 5.1, MIMO was selected as the worst antenna.

Wireless Technology and Frequency Range

Wireless Technology		Bandwidth	Channel	Frequency
Wi-Fi	U-NII-1	20 MHz	36	5180MHz
			40	5200MHz
			44	5220MHz
			48	5240MHz
		40 MHz	38	5190MHz
			46	5230MHz
		80 MHz	42	5210MHz
	U-NII-2A	20 MHz	52	5260MHz
			56	5280MHz
			60	5300MHz
			64	5320MHz
		40 MHz	54	5270MHz
			62	5310MHz
		80 MHz	58	5290MHz
	U-NII-2C	20 MHz	100	5500MHz
			104	5520MHz
			108	5540MHz
			112	5560MHz
			116	5580MHz
			132	5660MHz
			136	5680MHz
			140	5700MHz
		40 MHz	102	5510MHz
			110	5550MHz
			118	5590MHz
			134	5670MHz
		80 MHz	106	5530MHz
			138	5690MHz
	U-NII-3	20 MHz	149	5745MHz
			153	5765MHz
			157	5785MHz
			161	5805MHz
			165	5825MHz
		40 MHz	151	5755MHz
			159	5795MHz
		80 MHz	155	5775MHz
Does this device support TPC Function? ☒Yes ☐No				
Does this device support TDWR Band? ☐Yes ☒N				

5. Test Case Results

5.1. Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

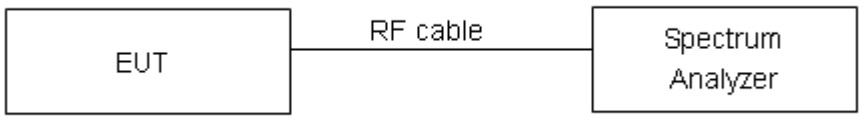
For U-NII-1/U-NII-2A/U-NII-2C, set RBW ≈1% OCB kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

For U-NII-3, Set RBW = 100 kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

Use the 99 % power bandwidth function of the instrument

Test Setup



Limits

Rule FCC Part §15.407(e)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936 Hz.

Test Results:

U-NII-1

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	5180	16.44	19.63	PASS
	5200	16.42	19.82	PASS
	5240	16.43	19.51	PASS
802.11n HT20	5180	17.61	20.05	PASS
	5200	17.60	19.88	PASS
	5240	17.61	20.78	PASS
802.11n HT40	5190	36.12	39.78	PASS
	5230	36.05	39.38	PASS
802.11ac VHT20	5180	17.61	20.18	PASS
	5200	17.59	20.26	PASS
	5240	17.62	20.28	PASS
802.11ac VHT40	5190	36.12	39.75	PASS
	5230	36.08	40.32	PASS
802.11ac VHT80	5210	75.47	82.06	PASS
802.11ax HE20	5180	18.96	20.75	PASS
	5200	18.96	21.06	PASS
	5240	18.96	20.90	PASS
802.11ax HE40	5190	37.75	41.01	PASS
	5230	37.79	40.22	PASS
802.11ax HE80	5210	77.21	81.86	PASS

U-NII-2A

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	5260	16.43	19.23	PASS
	5300	16.44	19.25	PASS
	5320	16.43	19.41	PASS
802.11n HT20	5260	17.63	20.45	PASS
	5300	17.60	20.35	PASS
	5320	17.61	20.37	PASS
802.11n HT40	5270	36.09	40.01	PASS
	5310	36.10	39.84	PASS
802.11ac VHT20	5260	17.61	20.69	PASS
	5300	17.61	20.31	PASS
	5320	17.63	20.54	PASS
802.11ac VHT40	5270	39.78	39.78	PASS
	5310	39.73	39.73	PASS
802.11ac VHT80	5290	81.52	81.52	PASS
802.11ax HE20	5260	18.97	21.12	PASS
	5300	18.96	20.91	PASS
	5320	18.97	21.16	PASS
802.11ax HE40	5270	37.73	40.47	PASS
	5310	37.73	40.47	PASS
802.11ax HE80	5290	77.18	82.40	PASS

U-NII-2C

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	5500	16.49	24.11	PASS
	5580	16.50	23.24	PASS
	5700	16.48	23.54	PASS
	5720	16.49	21.14	PASS
802.11n HT20	5500	17.62	21.12	PASS
	5580	17.64	20.92	PASS
	5700	17.64	21.66	PASS
	5720	17.69	22.91	PASS
802.11n HT40	5510	36.08	39.75	PASS
	5550	36.11	39.50	PASS
	5670	36.11	39.82	PASS
	5710	36.08	39.76	PASS
802.11ac VHT20	5500	17.64	20.64	PASS
	5580	17.63	21.78	PASS
	5700	17.65	21.39	PASS
	5720	17.64	21.46	PASS
802.11ac VHT40	5510	36.11	39.48	PASS
	5550	36.09	40.23	PASS
	5670	36.08	39.72	PASS
	5710	36.09	39.90	PASS
802.11ac VHT80	5530	75.53	82.02	PASS
	5690	75.53	81.80	PASS
802.11ax-HE20	5500	18.97	21.55	PASS
	5580	18.98	25.75	PASS
	5700	18.98	23.83	PASS
	5720	18.97	20.96	PASS
802.11ax-HE40	5510	37.79	40.16	PASS
	5550	37.76	40.39	PASS
	5670	37.74	40.47	PASS
	5710	37.69	40.83	PASS
802.11ax-HE 80	5530	77.13	81.70	PASS
	5690	77.04	82.67	PASS

U-NII-3

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11a	5745	16.42	16.33	500	PASS
	5785	16.41	16.33	500	PASS
	5825	16.39	16.32	500	PASS
802.11n HT20	5745	17.58	17.18	500	PASS
	5785	17.60	17.55	500	PASS
	5825	17.61	17.51	500	PASS
802.11n HT40	5755	36.10	35.54	500	PASS
	5795	36.09	36.29	500	PASS
802.11ac VHT20	5745	17.60	17.58	500	PASS
	5785	17.60	17.54	500	PASS
	5825	17.61	17.28	500	PASS
802.11ac VHT40	5755	36.12	36.29	500	PASS
	5795	36.10	36.31	500	PASS
802.11ac VHT80	5775	75.49	75.70	500	PASS
802.11ax HE20	5745	18.93	18.36	500	PASS
	5785	18.97	18.91	500	PASS
	5825	18.95	18.75	500	PASS
802.11ax HE40	5755	37.82	37.82	500	PASS
	5795	37.79	37.66	500	PASS
802.11ax HE80	5775	77.32	77.41	500	PASS

U-NII-1, 802.11a
Carrier frequency (MHz): 5180

U-NII-1, 802.11n HT20
Carrier frequency (MHz): 5180

U-NII-1, 802.11a
Carrier frequency (MHz): 5200

U-NII-1, 802.11n HT20
Carrier frequency (MHz): 5200

U-NII-1, 802.11a
Carrier frequency (MHz):5240

U-NII-1, 802.11n HT20
Carrier frequency (MHz):5240

U-NII-1, 802.11n HT40

Carrier frequency (MHz): 5190

U-NII-1, 802.11ac VHT20

Carrier frequency (MHz): 5180

U-NII-1, 802.11n HT40

Carrier frequency (MHz): 5230

U-NII-1, 802.11ac VHT20

Carrier frequency (MHz): 5200

U-NII-1, 802.11ac VHT40

Carrier frequency (MHz): 5190

U-NII-1, 802.11ac VHT20

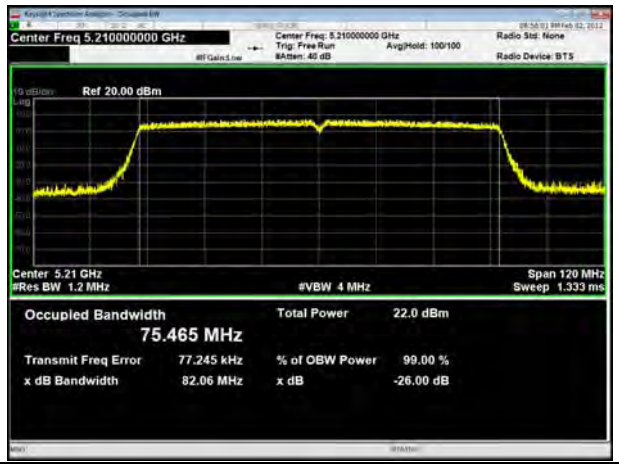
Carrier frequency (MHz):5240

U-NII-1, 802.11ac VHT40

Carrier frequency (MHz): 5230

U-NII-1, 802.11ac VHT80

Carrier frequency (MHz): 5210

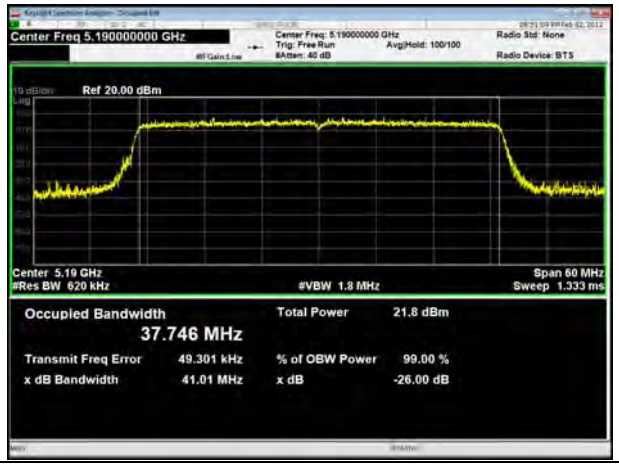


U-NII-1, 802.11ax HE20

Carrier frequency (MHz): 5180

U-NII-1, 802.11ax HE40

Carrier frequency (MHz): 5190

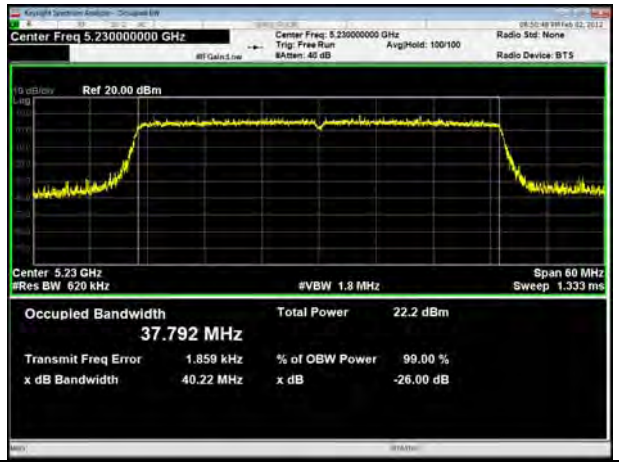


U-NII-1, 802.11ax HE20

Carrier frequency (MHz): 5200

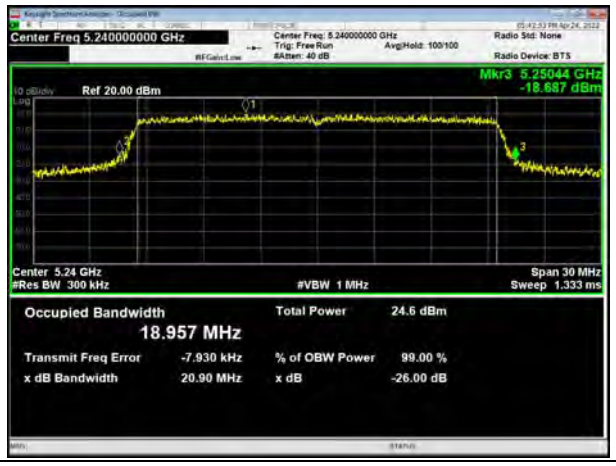
U-NII-1, 802.11ax HE40

Carrier frequency (MHz): 5230



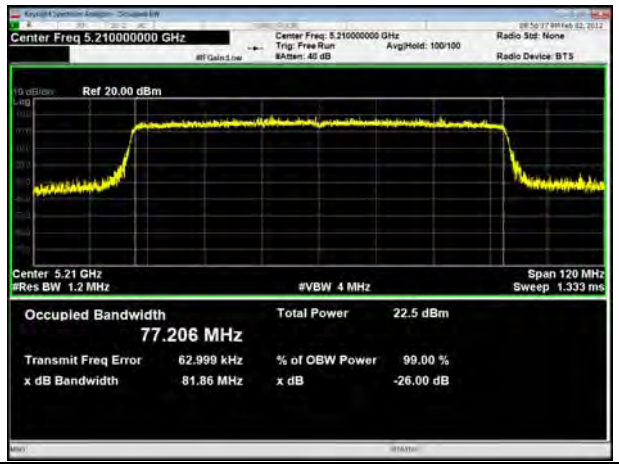
U-NII-1, 802.11ax HE20

Carrier frequency (MHz):5240



U-NII-1, 802.11ax HE80

Carrier frequency (MHz): 5210



U-NII-2A, 802.11a

Carrier frequency (MHz): 5260

U-NII-2A, 802.11n HT20

Carrier frequency (MHz): 5260

U-NII-2A, 802.11a

Carrier frequency (MHz): 5300

U-NII-2A, 802.11n HT20

Carrier frequency (MHz): 5300

U-NII-2A, 802.11a

Carrier frequency (MHz):5320

U-NII-2A, 802.11n HT20

Carrier frequency (MHz):5320

U-NII-2A, 802.11n HT40

Carrier frequency (MHz): 5270

U-NII-2A, 802.11ac VHT20

Carrier frequency (MHz):5260

U-NII-2A, 802.11n HT40

Carrier frequency (MHz): 5310

U-NII-2A, 802.11ac VHT20

Carrier frequency (MHz): 5300

U-NII-2A, 802.11ac VHT40

Carrier frequency (MHz): 5270

U-NII-2A, 802.11ac VHT20

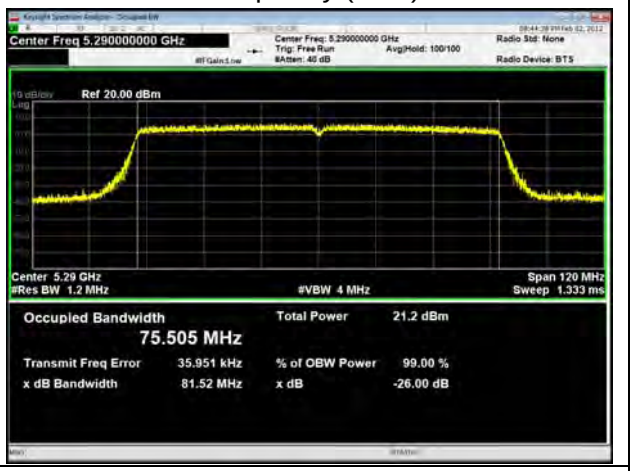
Carrier frequency (MHz):5320

U-NII-2A, 802.11ac VHT40

Carrier frequency (MHz): 5310

U-NII-2A, 802.11ac VHT80

Carrier frequency (MHz): 5290

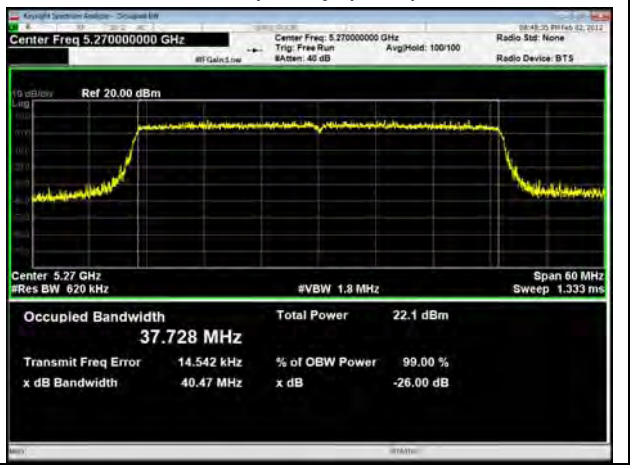


U-NII-2A, 802.11ax HE20

Carrier frequency (MHz):5260

U-NII-2A, 802.11ax HE40

Carrier frequency (MHz): 5270

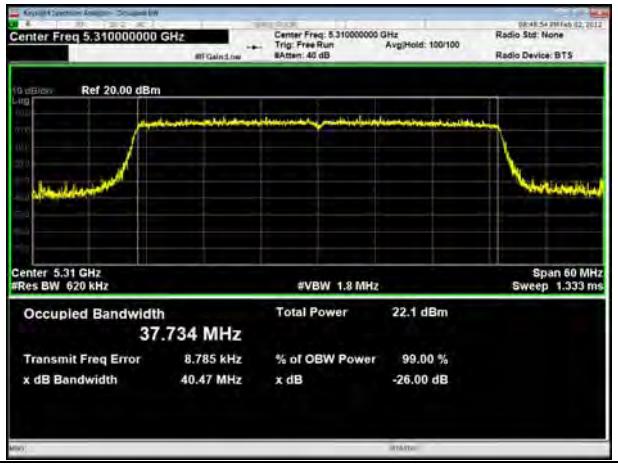


U-NII-2A, 802.11ax HE20

Carrier frequency (MHz): 5300

U-NII-2A, 802.11ax HE40

Carrier frequency (MHz): 5310

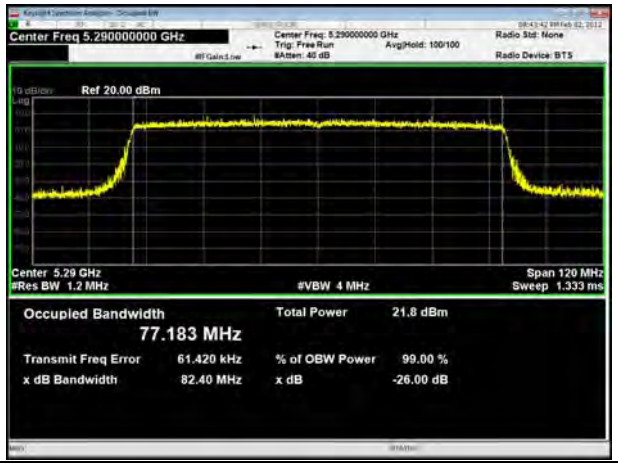


U-NII-2A, 802.11ax HE20

Carrier frequency (MHz):5320

U-NII-2A, 802.11ax HE80

Carrier frequency (MHz): 5290



U-NII-2C, 802.11a

Carrier frequency (MHz): 5500

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5500

U-NII-2C, 802.11a

Carrier frequency (MHz): 5580

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5580

U-NII-2C, 802.11a

Carrier frequency (MHz):5700

U-NII-2C, 802.11n HT20

Carrier frequency (MHz):5700

U-NII-2C, 802.11a

Carrier frequency (MHz):5720

U-NII-2C, 802.11n HT20

Carrier frequency (MHz):5720

U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5510

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5500

U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5550

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5580

U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5670

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz):5700

U-NII-2C, 802.11n HT40

Carrier frequency (MHz): 5710

U-NII-2C, 802.11ac VHT20

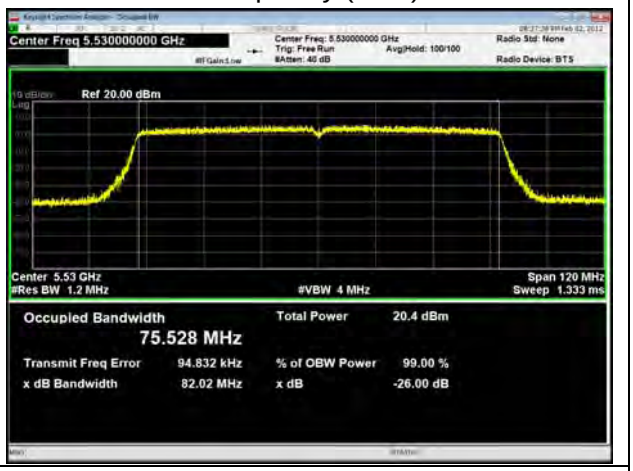
Carrier frequency (MHz):5720

U-NII-2C, 802.11ac VHT40

Carrier frequency (MHz): 5510

U-NII-2C, 802.11ac VHT80

Carrier frequency (MHz): 5530



U-NII-2C, 802.11ac VHT40

Carrier frequency (MHz): 5550

U-NII-2C, 802.11ac VHT80

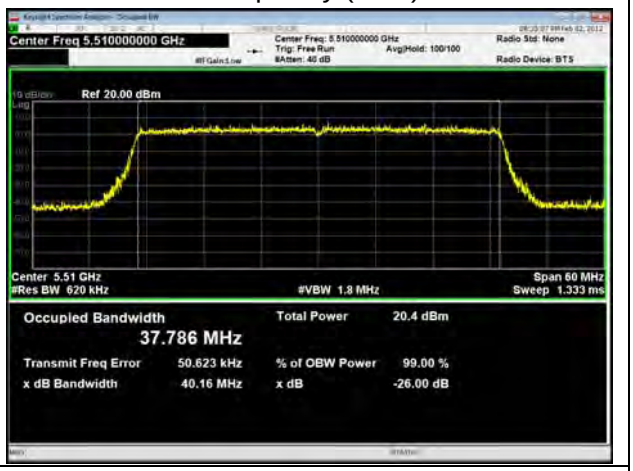
Carrier frequency (MHz): 5690

U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5670

U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5710

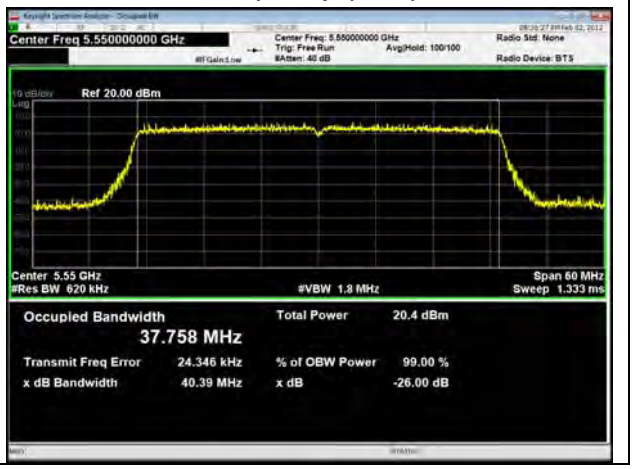
U-NII-2C, 802.11ax HE20
Carrier frequency (MHz): 5500

U-NII-2C, 802.11ax HE40
Carrier frequency (MHz): 5510



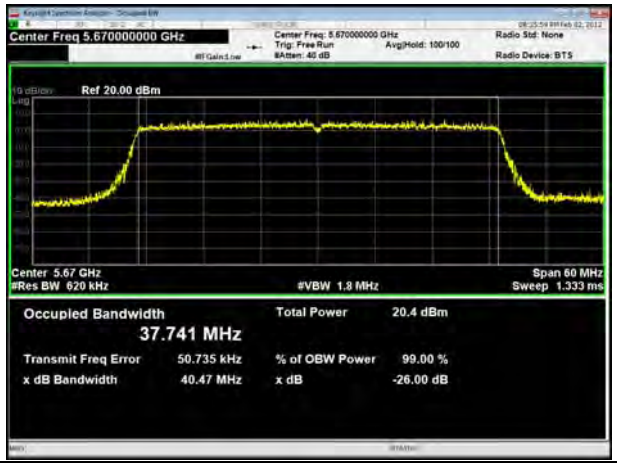
U-NII-2C, 802.11ax HE20
Carrier frequency (MHz): 5580

U-NII-2C, 802.11ax HE40
Carrier frequency (MHz): 5550



U-NII-2C, 802.11ax HE20
Carrier frequency (MHz):5700

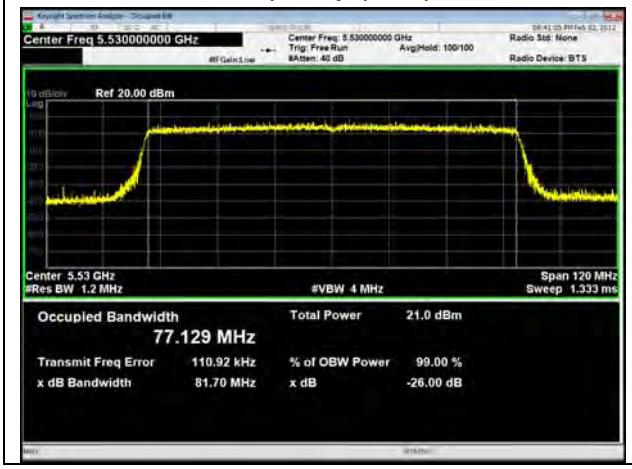
U-NII-2C, 802.11ax HE40
Carrier frequency (MHz): 5670



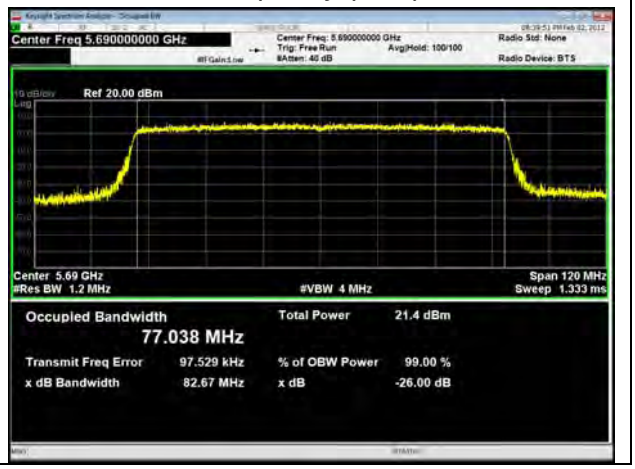
U-NII-2C, 802.11ax HE20
Carrier frequency (MHz):5720

U-NII-2C, 802.11ax HE40
Carrier frequency (MHz): 5710

U-NII-2C, 802.11ax HE80
Carrier frequency (MHz): 5530



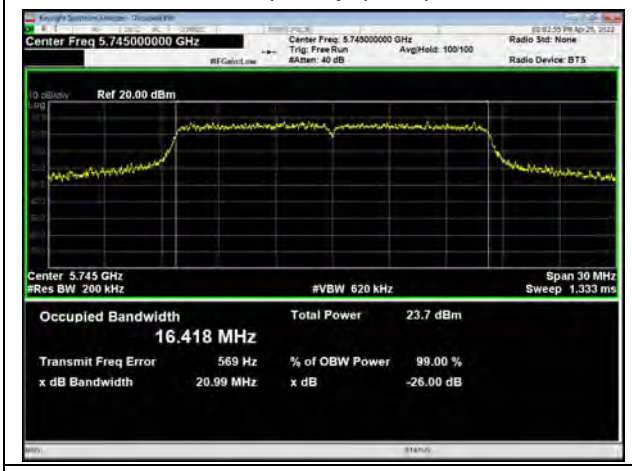
U-NII-2C, 802.11ax HE80
Carrier frequency (MHz): 5690



99% bandwidth

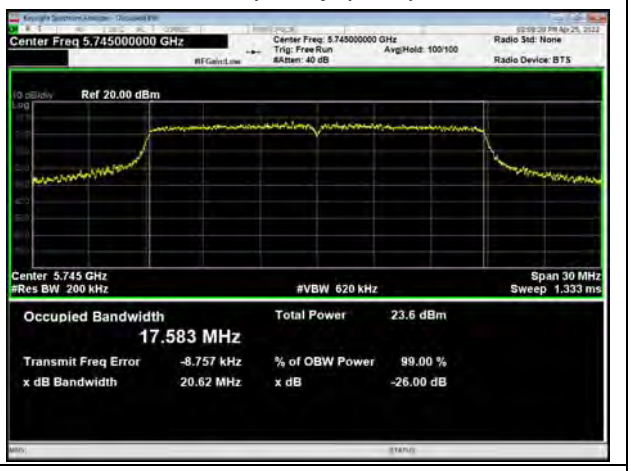
U-NII-3, 802.11a

Carrier frequency (MHz): 5745



U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5745



U-NII-3, 802.11a

Carrier frequency (MHz): 5785

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5785

U-NII-3, 802.11a

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT40
Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20
Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT40
Carrier frequency (MHz): 5795

U-NII-3, 802.11ac VHT20
Carrier frequency (MHz): 5785

U-NII-3, 802.11ac VHT40
Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20
Carrier frequency (MHz): 5825

U-NII-3, 802.11ac VHT40

Carrier frequency (MHz): 5795

U-NII-3, 802.11ac VHT80

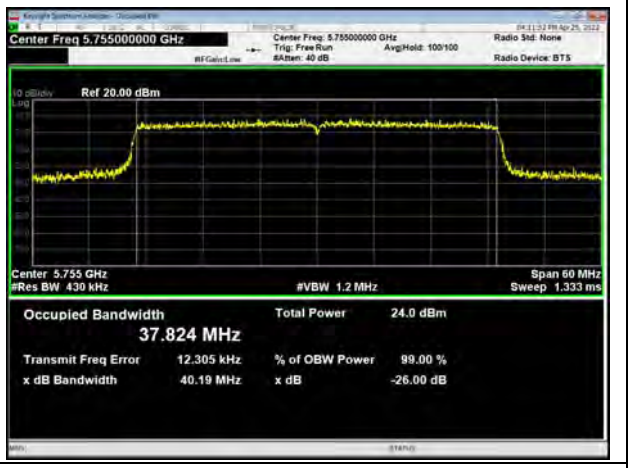
Carrier frequency (MHz): 5775

U-NII-3, 802.11ax HE20

Carrier frequency (MHz): 5745

U-NII-3, 802.11ax HE40

Carrier frequency (MHz): 5755

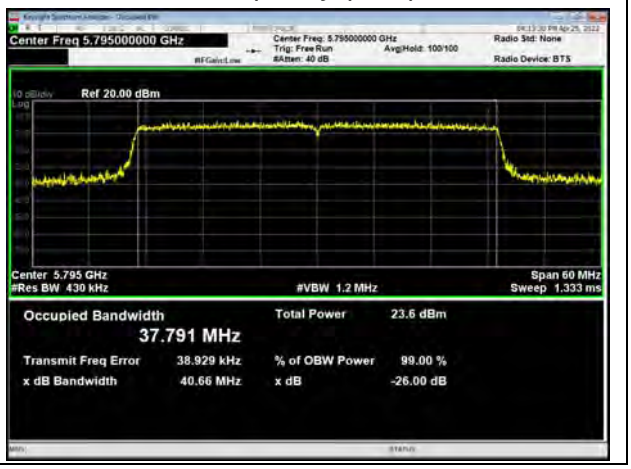


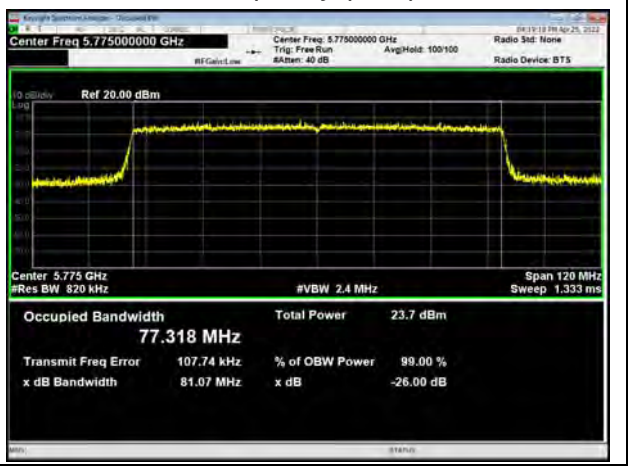
U-NII-3, 802.11ax HE20

Carrier frequency (MHz): 5785

U-NII-3, 802.11ax HE40

Carrier frequency (MHz): 5795



U-NII-3, 802.11ax HE20 Carrier frequency (MHz): 5825	U-NII-3, 802.11ax HE80 Carrier frequency (MHz): 5775
	

Minimum 6 dB bandwidth

U-NII-3, 802.11a

Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5745

U-NII-3, 802.11a

Carrier frequency (MHz): 5785

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5785

U-NII-3, 802.11a

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT40

Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20

Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT40

Carrier frequency (MHz): 5795

U-NII-3, 802.11ac VHT20

Carrier frequency (MHz): 5785

U-NII-3, 802.11ac VHT40

Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20

Carrier frequency (MHz): 5825

U-NII-3, 802.11ac VHT40

Carrier frequency (MHz): 5795

U-NII-3, 802.11ac VHT80

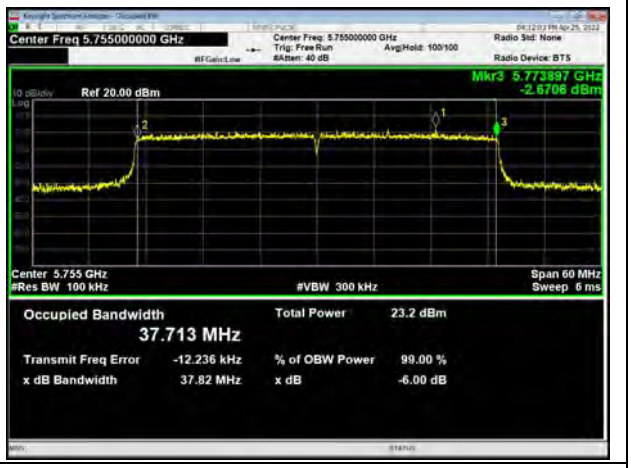
Carrier frequency (MHz): 5775

U-NII-3, 802.11ax HE20

Carrier frequency (MHz): 5745

U-NII-3, 802.11ax HE40

Carrier frequency (MHz): 5755

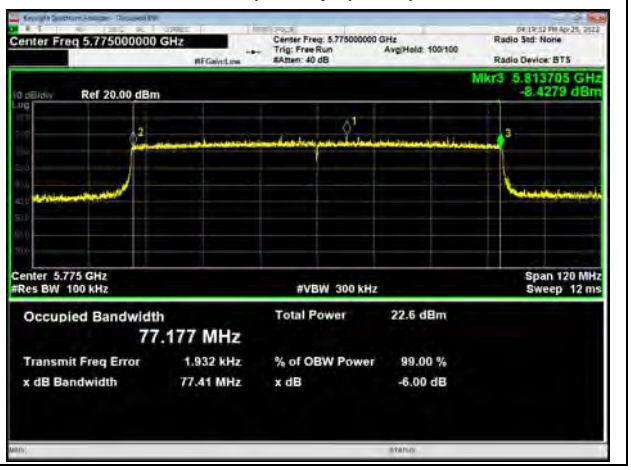


U-NII-3, 802.11ax HE20

Carrier frequency (MHz): 5785

U-NII-3, 802.11ax HE40

Carrier frequency (MHz): 5795

U-NII-3, 802.11ax HE20 Carrier frequency (MHz): 5825	U-NII-3, 802.11ax HE80 Carrier frequency (MHz): 5775
	

5.2. Average Power Output

Ambient condition

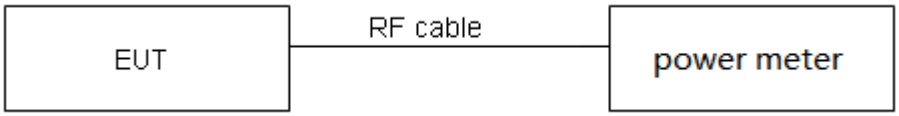
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the average power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test Setup



Limits

Rule FCC Part 15.407(a)(1)(2)(3)
(1) For the band 5.15-5.25 GHz.
(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23

dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3)For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.44 dB.

Test Results

Mode	T_{on} (ms)	$T_{(on+off)}$ (ms)	Duty cycle	Duty cycle correction Factor(dB)
802.11a	1.00	1.00	1.00	0.00
802.11n HT20	1.00	1.00	1.00	0.00
802.11n HT40	1.00	1.00	1.00	0.00
802.11ac VHT20	1.00	1.00	1.00	0.00
802.11ac VHT40	1.00	1.00	1.00	0.00
802.11ac VHT80	1.00	1.00	1.00	0.00
802.11ax HE20	1.00	1.00	1.00	0.00
802.11ax HE40	1.00	1.00	1.00	0.00
802.11ax HE80	1.00	1.00	1.00	0.00
Note: when Duty cycle≥0.98, Duty cycle correction Factor not required.				

SISO Antenna 1 Power Index											
Channel	802.11a	802.11n HT20	802.11ac VHT20	802.11ax HE20	Channel	802.11n HT40	802.11ac VHT40	802.11ax HE40	Channel	802.11ac VHT80	802.11ax HE80
CH36	19.00	19.00	19.00	19.00	CH38	17.50	17.50	18.00	CH42	16.50	17.00
CH40	19.00	19.00	19.00	19.00	CH46	17.50	17.50	18.00	/	/	/
CH48	19.00	19.00	19.00	19.00	/	/	/	/	/	/	/
CH52	18.00	18.00	18.00	18.00	CH54	17.00	17.00	17.00	CH58	15.50	16.00
CH60	18.00	18.00	18.00	18.00	CH62	17.00	17.00	17.00	/	/	/
CH64	18.00	18.00	18.00	18.00	/	/	/	/	/	/	/
CH100	17.00	17.00	17.00	17.00	CH102	16.00	16.00	16.00	CH106	14.50	15.50
CH116	17.00	17.50	17.50	17.50	CH110	16.00	16.00	16.00	CH138	15.00	15.50
CH140	17.00	17.50	17.50	17.50	CH134	16.50	16.50	16.50	/	/	/
CH144	17.50	17.50	17.50	17.50	CH142	16.50	16.50	16.50	/	/	/
CH149	18.00	18.00	18.00	18.00	CH151	16.50	16.50	16.50	CH155	15.50	16.00
CH157	18.00	18.00	18.00	18.00	CH159	16.50	16.50	16.50	/	/	/
CH165	18.00	18.00	18.00	18.00	/	/	/	/	/	/	/

SISO Antenna 2 Power Index											
Channel	802.11a	802.11n HT20	802.11ac VHT20	802.11ax HE20	Channel	802.11n HT40	802.11ac VHT40	802.11ax HE40	Channel	802.11ac VHT80	802.11ax HE80
CH36	18.00	18.00	18.00	18.00	CH38	17.00	17.00	17.00	CH42	15.50	16.00
CH40	18.00	18.00	18.00	18.00	CH46	17.00	17.00	17.00	/	/	/
CH48	18.00	18.50	18.50	18.00	/	/	/	/	/	/	/
CH52	18.00	18.50	18.50	18.50	CH54	17.00	17.00	17.00	CH58	15.50	16.50
CH60	18.00	18.50	18.50	18.50	CH62	17.00	17.00	17.00	/	/	/
CH64	18.00	18.50	18.50	18.50	/	/	/	/	/	/	/
CH100	19.50	19.50	19.50	19.50	CH102	18.00	18.00	18.00	CH106	16.50	17.00
CH116	19.50	19.50	19.50	19.50	CH110	18.00	18.00	18.00	CH138	16.50	17.00
CH140	20.00	20.00	20.00	20.00	CH134	18.50	18.50	18.50	/	/	/
CH144	20.00	20.50	20.00	20.00	CH142	18.50	18.50	18.50	/	/	/
CH149	19.50	19.50	20.00	20.00	CH151	18.50	18.50	18.50	CH155	17.00	17.50
CH157	19.50	19.50	20.00	20.00	CH159	18.50	18.50	18.50	/	/	/
CH165	19.50	20.00	20.00	20.00	/	/	/	/	/	/	/

MIMO Antenna 1&2 Power Index											
Channel	802.11a	802.11n HT20	802.11ac VHT20	802.11ax HE20	Channel	802.11n HT40	802.11ac VHT40	802.11ax HE40	Channel	802.11ac VHT80	802.11ax HE80
CH36	18.50	18.50	19.50	19.50	CH38	17.50	17.50	17.50	CH42	16.00	17.00
CH40	19.00	19.00	19.50	19.50	CH46	17.50	17.50	17.00	/	/	/
CH48	19.00	19.00	19.50	19.00	/	/	/	/	/	/	/
CH52	19.50	19.00	19.00	19.00	CH54	17.50	17.50	17.50	CH58	16.00	17.00
CH60	19.00	19.00	19.00	19.00	CH62	17.50	17.50	17.50	/	/	/
CH64	19.50	19.00	19.00	19.00	/	/	/	/	/	/	/
CH100	17.50	17.50	17.00	17.50	CH102	16.50	16.50	16.50	CH106	15.00	15.50
CH116	17.50	18.00	18.00	18.00	CH110	16.50	16.50	16.50	CH138	15.00	16.00
CH140	18.00	18.50	18.50	18.00	CH134	17.00	17.00	17.00	/	/	/
CH144	18.50	18.50	18.50	18.00	CH142	17.00	17.00	17.00	/	/	/
CH149	18.50	18.50	18.50	18.50	CH151	17.00	17.00	17.00	CH155	16.00	16.00
CH157	18.50	18.50	18.50	18.50	CH159	17.00	17.00	17.00	/	/	/
CH165	18.50	18.50	18.50	18.50	/	/	/	/	/	/	/

Test Mode		Channel/Frequency (MHz)	B=26 dB bandwidth (MHz)	Limit 11 dBm + 10 log B (dBm)	Final Limit(dBm)
U-NII-2A	802.11a	52/5260	19.23	23.84<24	23.84
		60/5300	19.25	23.85<24	23.85
		64/5320	19.41	23.88<24	23.88
	802.11n HT20	52/5260	20.45	24.11>24	24.00
		60/5300	20.35	24.08>24	24.00
		64/5320	20.37	24.09>24	24.00
	802.11n HT40	54/5270	39.09	26.92>24	24.00
		62/5310	38.80	26.89>24	24.00
	802.11ac VHT20	52/5260	20.69	24.16>24	24.00
		60/5300	20.31	24.08>24	24.00
		64/5320	20.54	24.13>24	24.00
	802.11ac VHT40	54/5270	39.14	26.93>24	24.00
		62/5310	39.05	26.92>24	24.00
	802.11ac VHT80	58/5290	79.75	30.02>24	24.00
	802.11ax HE20	52/5260	21.12	24.25>24	24.00
		60/5300	20.91	24.20>24	24.00
		64/5320	21.16	24.26>24	24.00
	802.11ax HE40	54/5270	40.05	27.03>24	24.00
		62/5310	40.18	27.04>24	24.00
	802.11ax HE80	58/5290	80.41	30.05>24	24.00
U-NII-2C	802.11a	100/5500	24.11	24.82>24	24.00
		116/5580	23.24	24.66>24	24.00
		140/5700	23.54	24.72>24	24.00
		144/5720	21.14	24.25>24	24.00
	802.11n HT20	100/5500	21.12	24.25>24	24.00
		116/5580	20.92	24.20>24	24.00
		140/5700	21.66	24.36>24	24.00
		144/5720	22.91	24.60>24	24.00
	802.11n HT40	102/5510	39.12	26.92>24	24.00
		110/5550	39.17	26.93>24	24.00
		134/5670	39.15	26.93>24	24.00
		142/5710	39.24	26.94>24	24.00
	802.11ac VHT20	100/5500	20.64	24.15>24	24.00
		116/5580	21.78	24.38>24	24.00
		140/5700	21.39	24.30>24	24.00

		144/5720	21.46	24.32>24	24.00
	802.11ac VHT40	102/5510	39.03	26.91>24	24.00
		110/5550	39.02	26.91>24	24.00
		134/5670	39.35	26.95>24	24.00
		142/5710	39.29	26.94>24	24.00
	802.11ac VHT80	106/5530	80.11	30.04>24	24.00
		138/5690	79.87	30.02>24	24.00
	802.11ax HE20	100/5500	21.55	24.33>24	24.00
		116/5580	25.75	25.11>24	24.00
		140/5700	23.83	24.77>24	24.00
		144/5720	20.96	24.21>24	24.00
	802.11ax HE40	102/5510	39.77	27.00>24	24.00
		110/5550	39.84	27.00>24	24.00
		134/5670	40.06	27.03>24	24.00
		142/5710	39.87	27.01>24	24.00
	802.11ax HE80	106/5530	80.79	30.07>24	24.00
		138/5690	79.83	30.02>24	24.00
Note: 250mW=24dBm					

Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor

SISO Antenna 1

U-NII-1

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	18.33	18.33	24.00	PASS
	40/5200	18.27	18.27	24.00	PASS
	48/5240	18.23	18.23	24.00	PASS
802.11n HT20	36/5180	18.11	18.11	24.00	PASS
	40/5200	18.06	18.06	24.00	PASS
	48/5240	18.00	18.00	24.00	PASS
802.11n HT40	38/5190	17.00	17.00	24.00	PASS
	46/5230	17.03	17.03	24.00	PASS
802.11ac VHT20	36/5180	18.12	18.12	24.00	PASS
	40/5200	18.06	18.06	24.00	PASS
	48/5240	18.03	18.03	24.00	PASS
802.11ac VHT40	38/5190	17.01	17.01	24.00	PASS
	46/5230	17.01	17.01	24.00	PASS
802.11ac VHT80	42/5210	16.20	16.20	24.00	PASS
802.11ax HE20	36/5180	18.24	18.24	24.00	PASS
	40/5200	18.16	18.16	24.00	PASS
	48/5240	18.09	18.09	24.00	PASS
802.11ax HE40	38/5190	17.42	17.42	24.00	PASS
	46/5230	17.25	17.25	24.00	PASS
802.11ax HE80	42/5210	16.51	16.51	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	52/5260	18.14	18.14	23.84	PASS
	60/5300	18.24	18.24	23.85	PASS
	64/5320	18.15	18.15	23.88	PASS
802.11n HT20	52/5260	17.96	17.96	24.00	PASS
	60/5300	18.01	18.01	24.00	PASS
	64/5320	17.99	17.99	24.00	PASS
802.11n HT40	54/5270	17.28	17.28	24.00	PASS
	62/5310	17.32	17.32	24.00	PASS
802.11ac VHT20	52/5260	17.96	17.96	24.00	PASS
	60/5300	18.08	18.08	24.00	PASS
	64/5320	17.97	17.97	24.00	PASS
802.11ac VHT40	54/5270	17.25	17.25	24.00	PASS
	62/5310	17.37	17.37	24.00	PASS
802.11ac VHT80	58/5290	16.10	16.10	24.00	PASS
802.11ax HE20	52/5260	18.12	18.12	24.00	PASS
	60/5300	18.19	18.19	24.00	PASS
	64/5320	18.14	18.14	24.00	PASS
802.11ax HE40	54/5270	17.17	17.17	24.00	PASS
	62/5310	17.17	17.17	24.00	PASS
802.11ax HE80	58/5290	16.64	16.64	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	100/5500	18.21	18.21	24.00	PASS
	116/5580	17.95	17.95	24.00	PASS
	140/5700	17.95	17.95	24.00	PASS
	144/5720	18.19	18.19	24.00	PASS
802.11n HT20	100/5500	18.02	18.02	24.00	PASS
	116/5580	18.28	18.28	24.00	PASS
	140/5700	18.20	18.20	24.00	PASS
	144/5720	18.04	18.04	24.00	PASS
802.11n HT40	102/5510	17.15	17.15	24.00	PASS
	110/5550	17.27	17.27	24.00	PASS
	134/5670	17.22	17.22	24.00	PASS
	142/5710	17.35	17.35	24.00	PASS
802.11ac VHT20	100/5500	18.03	18.03	24.00	PASS
	116/5580	18.31	18.31	24.00	PASS
	140/5700	18.16	18.16	24.00	PASS
	144/5720	18.01	18.01	24.00	PASS
802.11ac VHT40	102/5510	17.18	17.18	24.00	PASS
	110/5550	17.24	17.24	24.00	PASS
	134/5670	17.16	17.16	24.00	PASS
	142/5710	17.29	17.29	24.00	PASS
802.11ac VHT80	106/5530	16.04	16.04	24.00	PASS
	138/5690	16.24	16.24	24.00	PASS
802.11ax HE20	100/5500	18.11	18.11	24.00	PASS
	116/5580	18.38	18.38	24.00	PASS
	140/5700	18.23	18.23	24.00	PASS
	144/5720	18.07	18.07	24.00	PASS
802.11ax HE40	102/5510	17.04	17.04	24.00	PASS
	110/5550	17.08	17.08	24.00	PASS
	134/5670	17.07	17.07	24.00	PASS
	142/5710	17.16	17.16	24.00	PASS
802.11ax HE80	106/5530	16.96	16.96	24.00	PASS
	138/5690	16.73	16.73	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	149/5745	18.36	18.36	30.00	PASS
	157/5785	18.24	18.24	30.00	PASS
	165/5825	18.37	18.37	30.00	PASS
802.11n HT20	149/5745	18.13	18.13	30.00	PASS
	157/5785	18.00	18.00	30.00	PASS
	165/5825	18.18	18.18	30.00	PASS
802.11n HT40	151/5755	17.09	17.09	30.00	PASS
	159/5795	17.09	17.09	30.00	PASS
802.11ac VHT20	149/5745	18.01	18.01	30.00	PASS
	157/5785	18.04	18.04	30.00	PASS
	165/5825	18.11	18.11	30.00	PASS
802.11ac VHT40	151/5755	17.13	17.13	30.00	PASS
	159/5795	17.13	17.13	30.00	PASS
802.11ac VHT80	155/5775	16.27	16.27	30.00	PASS
802.11ax HE20	149/5745	18.26	18.26	30.00	PASS
	157/5785	18.18	18.18	30.00	PASS
	165/5825	18.28	18.28	30.00	PASS
802.11ax HE40	151/5755	16.96	16.96	30.00	PASS
	159/5795	16.93	16.93	30.00	PASS
802.11ax HE80	155/5775	16.76	16.76	30.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

SISO Antenna 2

U-NII-1

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	18.05	18.05	24.00	PASS
	40/5200	18.07	18.07	24.00	PASS
	48/5240	18.03	18.03	24.00	PASS
802.11n HT20	36/5180	17.90	17.90	24.00	PASS
	40/5200	17.91	17.91	24.00	PASS
	48/5240	18.28	18.28	24.00	PASS
802.11n HT40	38/5190	17.33	17.33	24.00	PASS
	46/5230	17.44	17.44	24.00	PASS
802.11ac VHT20	36/5180	17.91	17.91	24.00	PASS
	40/5200	17.90	17.90	24.00	PASS
	48/5240	18.31	18.31	24.00	PASS
802.11ac VHT40	38/5190	17.38	17.38	24.00	PASS
	46/5230	17.44	17.44	24.00	PASS
802.11ac VHT80	42/5210	15.98	15.98	24.00	PASS
802.11ax HE20	36/5180	17.99	17.99	24.00	PASS
	40/5200	18.00	18.00	24.00	PASS
	48/5240	18.04	18.04	24.00	PASS
802.11ax HE40	38/5190	17.25	17.25	24.00	PASS
	46/5230	17.25	17.25	24.00	PASS
802.11ax HE80	42/5210	16.56	16.56	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	52/5260	17.98	17.98	23.84	PASS
	60/5300	17.90	17.90	23.85	PASS
	64/5320	17.97	17.97	23.88	PASS
802.11n HT20	52/5260	18.27	18.27	24.00	PASS
	60/5300	18.15	18.15	24.00	PASS
	64/5320	18.25	18.25	24.00	PASS
802.11n HT40	54/5270	17.21	17.21	24.00	PASS
	62/5310	17.37	17.37	24.00	PASS
802.11ac VHT20	52/5260	18.32	18.32	24.00	PASS
	60/5300	18.18	18.18	24.00	PASS
	64/5320	18.29	18.29	24.00	PASS
802.11ac VHT40	54/5270	17.28	17.28	24.00	PASS
	62/5310	17.38	17.38	24.00	PASS
802.11ac VHT80	58/5290	15.92	15.92	24.00	PASS
802.11ax HE20	52/5260	18.37	18.37	24.00	PASS
	60/5300	18.31	18.31	24.00	PASS
	64/5320	18.37	18.37	24.00	PASS
802.11ax HE40	54/5270	17.07	17.07	24.00	PASS
	62/5310	17.18	17.18	24.00	PASS
802.11ax HE80	58/5290	16.95	16.95	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	100/5500	18.28	18.28	24.00	PASS
	116/5580	18.25	18.25	24.00	PASS
	140/5700	18.07	18.07	24.00	PASS
	144/5720	18.01	18.01	24.00	PASS
802.11n HT20	100/5500	18.16	18.16	24.00	PASS
	116/5580	18.14	18.14	24.00	PASS
	140/5700	17.96	17.96	24.00	PASS
	144/5720	18.28	18.28	24.00	PASS
802.11n HT40	102/5510	17.11	17.11	24.00	PASS
	110/5550	17.11	17.11	24.00	PASS
	134/5670	17.35	17.35	24.00	PASS
	142/5710	17.19	17.19	24.00	PASS
802.11ac VHT20	100/5500	18.15	18.15	24.00	PASS
	116/5580	18.08	18.08	24.00	PASS
	140/5700	17.99	17.99	24.00	PASS
	144/5720	17.83	17.83	24.00	PASS
802.11ac VHT40	102/5510	17.15	17.15	24.00	PASS
	110/5550	17.20	17.20	24.00	PASS
	134/5670	17.28	17.28	24.00	PASS
	142/5710	17.31	17.31	24.00	PASS
802.11ac VHT80	106/5530	16.29	16.29	24.00	PASS
	138/5690	16.10	16.10	24.00	PASS
802.11ax HE20	100/5500	18.21	18.21	24.00	PASS
	116/5580	18.17	18.17	24.00	PASS
	140/5700	18.01	18.01	24.00	PASS
	144/5720	17.86	17.86	24.00	PASS
802.11ax HE40	102/5510	17.19	17.19	24.00	PASS
	110/5550	17.11	17.11	24.00	PASS
	134/5670	17.28	17.28	24.00	PASS
	142/5710	17.32	17.32	24.00	PASS
802.11ax HE80	106/5530	16.75	16.75	24.00	PASS
	138/5690	16.38	16.38	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	149/5745	18.10	18.10	30.00	PASS
	157/5785	18.00	18.00	30.00	PASS
	165/5825	18.00	18.00	30.00	PASS
802.11n HT20	149/5745	18.00	18.00	30.00	PASS
	157/5785	17.89	17.89	30.00	PASS
	165/5825	18.08	18.08	30.00	PASS
802.11n HT40	151/5755	17.43	17.43	30.00	PASS
	159/5795	16.99	16.99	30.00	PASS
802.11ac VHT20	149/5745	18.09	18.09	30.00	PASS
	157/5785	18.08	18.08	30.00	PASS
	165/5825	18.08	18.08	30.00	PASS
802.11ac VHT40	151/5755	17.34	17.34	30.00	PASS
	159/5795	17.09	17.09	30.00	PASS
802.11ac VHT80	155/5775	16.00	16.00	30.00	PASS
802.11ax HE20	149/5745	18.19	18.19	30.00	PASS
	157/5785	18.24	18.24	30.00	PASS
	165/5825	18.19	18.19	30.00	PASS
802.11ax HE40	151/5755	17.27	17.27	30.00	PASS
	159/5795	16.93	16.93	30.00	PASS
802.11ax HE80	155/5775	16.57	16.57	30.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

MIMO

U-NII-1

Mode	Channel/ Frequency (MHz)	Antenna 1		Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	36/5180	17.91	17.91	17.56	17.56	20.75	24.00	PASS
	40/5200	18.25	18.25	18.03	18.03	21.15	24.00	PASS
	48/5240	18.28	18.28	17.89	17.89	21.10	24.00	PASS
802.11n HT20	36/5180	18.48	18.48	18.19	18.19	21.34	24.00	PASS
	40/5200	18.48	18.48	18.22	18.22	21.36	24.00	PASS
	48/5240	18.44	18.44	17.98	17.98	21.22	24.00	PASS
802.11n HT40	36/5180	17.74	17.74	16.86	16.86	20.33	24.00	PASS
	40/5200	17.82	17.82	16.89	16.89	20.39	24.00	PASS
802.11ac VHT20	48/5240	18.52	18.52	18.24	18.24	21.39	24.00	PASS
	38/5190	18.52	18.52	18.24	18.24	21.39	24.00	PASS
	46/5230	18.11	18.11	17.63	17.63	20.89	24.00	PASS
802.11ac VHT40	36/5180	17.75	17.75	16.88	16.88	20.35	24.00	PASS
	40/5200	17.82	17.82	16.87	16.87	20.38	24.00	PASS
802.11ac VHT80	48/5240	16.46	16.46	15.65	15.65	19.09	24.00	PASS
802.11ax HE20	38/5190	18.38	18.38	18.21	18.21	21.30	24.00	PASS
	46/5230	18.38	18.38	18.19	18.19	21.30	24.00	PASS
	42/5210	18.17	18.17	17.64	17.64	20.92	24.00	PASS
802.11ax HE40	36/5180	17.65	17.65	16.80	16.80	20.25	24.00	PASS
	40/5200	17.21	17.21	16.29	16.29	19.78	24.00	PASS
802.11ax HE80	48/5240	17.01	17.01	16.71	16.71	19.87	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),
The Total Power =$10\log(10^{(\text{Power antenna1 in dBm/10})}+10^{(\text{Power antenna2 in dBm/10})})$.
2. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then
Directional gain = $10\log[(10^{G1/10}+10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10}+10^{-3.1/10})/2]$ = -0.210dBi < 6dBi. So the limit is 24dBm.

U-NII-2A

Mode	Channel/ Frequency (MHz)	Antenna 1		Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	52/5260	18.61	18.61	18.09	18.09	21.37	23.84	PASS
	60/5300	18.40	18.40	17.77	17.77	21.11	23.85	PASS
	64/5320	18.45	18.45	18.15	18.15	21.31	23.88	PASS
802.11n HT20	52/5260	18.57	18.57	17.76	17.76	21.19	24.00	PASS
	60/5300	18.53	18.53	17.59	17.59	21.10	24.00	PASS
	64/5320	18.35	18.35	17.64	17.64	21.02	24.00	PASS
802.11n HT40	54/5270	17.52	17.52	16.79	16.79	20.18	24.00	PASS
	62/5310	17.41	17.41	16.89	16.89	20.17	24.00	PASS
802.11ac VHT20	52/5260	18.58	18.58	17.66	17.66	21.16	24.00	PASS
	60/5300	18.55	18.55	17.67	17.67	21.14	24.00	PASS
	64/5320	18.33	18.33	17.73	17.73	21.05	24.00	PASS
802.11ac VHT40	54/5270	17.50	17.50	16.72	16.72	20.14	24.00	PASS
	62/5310	17.46	17.46	16.84	16.84	20.17	24.00	PASS
802.11ac VHT80	58/5290	16.41	16.41	15.63	15.63	19.05	24.00	PASS
802.11ax HE20	52/5260	18.54	18.54	17.76	17.76	21.18	24.00	PASS
	60/5300	18.53	18.53	17.66	17.66	21.13	24.00	PASS
	64/5320	18.40	18.40	17.75	17.75	21.10	24.00	PASS
802.11ax HE40	54/5270	17.42	17.42	16.69	16.69	20.08	24.00	PASS
	62/5310	17.34	17.34	16.81	16.81	20.10	24.00	PASS
802.11ax HE80	58/5290	16.78	16.78	16.56	16.56	19.68	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),
The Total Power =10log($10^{(\text{Power antenna1 in dBm/10})}$+$10^{(\text{Power antenna2 in dBm/10})}$).
2. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then
Directional gain = 10 log[($10^{G1/10}$ + $10^{G2/10}$)/N_{ANT}] dBi = 10 log[($10^{-1.5/10}$ + $10^{-3.1/10}$)/2] = -0.210dBi < 6dBi.
So the limit is 24dBm.

U-NII-2C

Mode	Channel/ Frequency (MHz)	Antenna 1		Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	100/5500	18.56	18.56	18.13	18.13	21.36	24.00	PASS
	116/5580	18.29	18.29	17.95	17.95	21.13	24.00	PASS
	140/5700	18.40	18.40	18.19	18.19	21.31	24.00	PASS
	144/5720	18.58	18.58	18.32	18.32	21.46	24.00	PASS
802.11n HT20	100/5500	18.38	18.38	17.92	17.92	21.17	24.00	PASS
	116/5580	18.44	18.44	18.31	18.31	21.39	24.00	PASS
	140/5700	18.51	18.51	18.23	18.23	21.38	24.00	PASS
	144/5720	18.48	18.48	18.13	18.13	21.32	24.00	PASS
802.11n HT40	102/5510	17.36	17.36	17.12	17.12	20.25	24.00	PASS
	110/5550	17.42	17.42	17.15	17.15	20.30	24.00	PASS
	134/5670	17.26	17.26	17.24	17.24	20.26	24.00	PASS
	142/5710	17.45	17.45	17.10	17.10	20.29	24.00	PASS
802.11ac VHT20	100/5500	18.48	18.48	17.36	17.36	20.97	24.00	PASS
	116/5580	18.49	18.49	18.28	18.28	21.40	24.00	PASS
	140/5700	18.54	18.54	18.35	18.35	21.46	24.00	PASS
	144/5720	18.39	18.39	18.20	18.20	21.31	24.00	PASS
802.11ac VHT40	102/5510	17.47	17.47	17.16	17.16	20.33	24.00	PASS
	110/5550	17.54	17.54	17.20	17.20	20.38	24.00	PASS
	134/5670	17.34	17.34	17.16	17.16	20.26	24.00	PASS
	142/5710	17.45	17.45	17.19	17.19	20.33	24.00	PASS
802.11ac VHT80	106/5530	16.41	16.41	15.91	15.91	19.18	24.00	PASS
	138/5690	16.45	16.45	15.75	15.75	19.13	24.00	PASS
802.11ax HE20	100/5500	18.47	18.47	17.99	17.99	21.24	24.00	PASS
	116/5580	18.51	18.51	18.22	18.22	21.38	24.00	PASS
	140/5700	18.31	18.31	17.82	17.82	21.08	24.00	PASS
	144/5720	18.50	18.50	17.68	17.68	21.12	24.00	PASS
802.11ax HE40	102/5510	17.38	17.38	17.00	17.00	20.20	24.00	PASS
	110/5550	17.36	17.36	17.04	17.04	20.21	24.00	PASS
	134/5670	17.54	17.54	17.07	17.07	20.33	24.00	PASS
	142/5710	17.30	17.30	17.02	17.02	20.17	24.00	PASS
802.11ax HE80	106/5530	16.86	16.86	16.51	16.51	19.70	24.00	PASS
	138/5690	16.94	16.94	16.61	16.61	19.78	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),
The Total Power $=10\log(10^{(\text{Power antenna1 in dBm}/10)}+10^{(\text{Power antenna2 in dBm}/10)})$.

2. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then Directional gain = $10\log[(10^{G1/10}+10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10}+10^{-3.1/10})/2]$ = -0.210dBi < 6dBi. So the limit is 24dBm.

U-NII-3

Mode	Channel/ Frequency (MHz)	Antenna 1		Antenna 2		Total Power (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Conclusion
		Average Power Measured (dBm/ 470kHz)	Average Power with duty factor (dBm/ 500kHz)	Average Power Measured (dBm/ 470kHz)	Average Power with duty factor (dBm/ 500kHz)			
802.11a	149/5745	18.08	18.08	18.34	18.34	21.22	30.00	PASS
	157/5785	18.05	18.05	18.41	18.41	21.24	30.00	PASS
	165/5825	18.17	18.17	18.40	18.40	21.29	30.00	PASS
802.11n HT20	149/5745	18.13	18.13	18.25	18.25	21.20	30.00	PASS
	157/5785	17.91	17.91	18.28	18.28	21.11	30.00	PASS
	165/5825	18.00	18.00	18.22	18.22	21.12	30.00	PASS
802.11n HT40	149/5745	16.94	16.94	17.39	17.39	20.18	30.00	PASS
	157/5785	17.32	17.32	17.14	17.14	20.24	30.00	PASS
802.11ac VHT20	165/5825	17.89	17.89	18.39	18.39	21.16	30.00	PASS
	151/5755	17.96	17.96	18.33	18.33	21.16	30.00	PASS
	159/5795	18.04	18.04	18.28	18.28	21.17	30.00	PASS
802.11ac VHT40	149/5745	17.29	17.29	17.37	17.37	20.34	30.00	PASS
	157/5785	17.30	17.30	17.12	17.12	20.22	30.00	PASS
802.11ac VHT80	165/5825	16.33	16.33	16.52	16.52	19.44	30.00	PASS
802.11ax HE20	151/5755	18.06	18.06	18.33	18.33	21.21	30.00	PASS
	159/5795	18.07	18.07	18.42	18.42	21.26	30.00	PASS
	155/5775	18.08	18.08	18.29	18.29	21.20	30.00	PASS
802.11ax HE40	149/5745	17.29	17.29	17.37	17.37	20.34	30.00	PASS
	157/5785	17.22	17.22	17.06	17.06	20.15	30.00	PASS
802.11ax HE80	165/5825	16.23	16.23	16.66	16.66	19.46	30.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),
The Total Power =$10\log(10^{(\text{Power antenna1 in dBm/10})}+10^{(\text{Power antenna2 in dBm/10})})$.
2. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then
Directional gain = $10\log[(10^{G1/10}+10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10}+10^{-3.1/10})/2]$ = -0.210dBi < 6dBi.
So the limit is 30dBm.

5.3. Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

1. Frequency stability with respect to ambient temperature

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.

f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

g) Measure the frequency at each of frequencies specified in 5.6.

h) Switch OFF the EUT but do not switch OFF the oscillator heater.

i) Lower the chamber temperature by not more that 10°C, and allow the temperature inside the chamber to stabilize.

j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15°C to +25 °C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
c) Measure the frequency at each of the frequencies specified in 5.6.
d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936Hz

Test Results

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
3.89	-20	5199.994703	5199.989172	5199.980982	5199.978077
3.89	-10	5199.987651	5199.987899	5199.975992	5199.974230
3.89	0	5199.985549	5199.982105	5199.974380	5199.967336
3.89	10	5199.985415	5199.977691	5199.972901	5199.965075
3.89	20	5199.980661	5199.969648	5199.970485	5199.957766
3.89	30	5199.975836	5199.961821	5199.961197	5199.955114
3.89	40	5199.966603	5199.955122	5199.953018	5199.946341
3.89	50	5199.962857	5199.950109	5199.949570	5199.939582
3.7	20	5199.955974	5199.940716	5199.942164	5199.933743
4.45	20	5199.955728	5199.940470	5199.937775	5199.927414
Max. ΔMHz		-0.044272	-0.059530	-0.062225	-0.072586
PPM		-8.513834	-11.448116	-11.966271	-13.958849

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
3.89	-20	5300.003401	5300.002649	5299.997612	5299.996756
3.89	-10	5299.996270	5299.996153	5299.994761	5299.995554
3.89	0	5299.994202	5299.988116	5299.990505	5299.990187
3.89	10	5299.990378	5299.985153	5299.983797	5299.982494
3.89	20	5299.988340	5299.984255	5299.981515	5299.981476
3.89	30	5299.986676	5299.978947	5299.976168	5299.980800
3.89	40	5299.981435	5299.972745	5299.968124	5299.977356
3.89	50	5299.974598	5299.971383	5299.963871	5299.972178
3.7	20	5299.969684	5299.967460	5299.959342	5299.963724
4.45	20	5299.968568	5299.965251	5299.950402	5299.961225
Max. ΔMHz		-0.031432	-0.034749	-0.049598	-0.038775
PPM		-5.930655	-6.556410	-9.358109	-7.316036

Voltage (V)	Temperature (°C)	U-NII-2C Test Results			
		5580MHz			
		1min	2min	5min	10min
3.89	-20	5579.994163	5579.993751	5579.993714	5579.984987
3.89	-10	5579.986695	5579.987368	5579.984920	5579.978950
3.89	0	5579.984124	5579.983345	5579.978043	5579.978197
3.89	10	5579.978813	5579.979605	5579.975092	5579.975114
3.89	20	5579.969138	5579.973137	5579.972641	5579.970263
3.89	30	5579.967834	5579.972211	5579.965061	5579.965521
3.89	40	5579.963330	5579.965562	5579.956640	5579.961377
3.89	50	5579.955855	5579.956188	5579.955332	5579.957225
3.7	20	5579.955329	5579.953128	5579.949893	5579.956662
4.45	20	5579.952336	5579.947337	5579.946167	5579.953867
3.89	-20	5579.994163	5579.993751	5579.993714	5579.984987
Max. ΔMHz		-0.047664	-0.052663	-0.053833	-0.046133
PPM		-8.541882	-9.437889	-9.647445	-8.267596

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
3.89	-20	5784.990833	5784.984102	5784.978121	5784.976918
3.89	-10	5784.984665	5784.980031	5784.968612	5784.971257
3.89	0	5784.978683	5784.979846	5784.965721	5784.961512
3.89	10	5784.969463	5784.978347	5784.957169	5784.954297
3.89	20	5784.963249	5784.976219	5784.954301	5784.952960
3.89	30	5784.953838	5784.967716	5784.946362	5784.948149
3.89	40	5784.953011	5784.958688	5784.946310	5784.940397
3.89	50	5784.952434	5784.958157	5784.943895	5784.938165
3.7	20	5784.952210	5784.954746	5784.934082	5784.933647
4.45	20	5784.950931	5784.954713	5784.931657	5784.929992
3.89	-20	5784.990833	5784.984102	5784.978121	5784.976918
Max. ΔMHz		-0.049069	-0.045287	-0.068343	-0.070008
PPM		-8.482044	-7.828285	-11.813804	-12.101587

5.4. Power Spectral Density

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

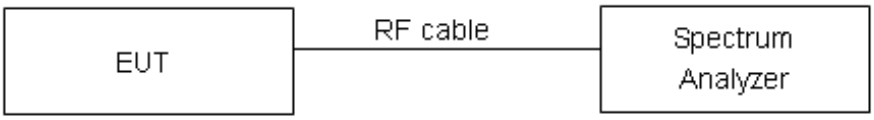
Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 1MHz, VBW =3MHz for the band 5.150-5.250GHz, 5.250-5.350GHz, 5.470-5.725GHz.
Set RBW = 470kHz, VBW =1.5MHz for the band 5.725-5.850GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test setup



Limits

Rule FCC Part 15.407(a)(1)/ Part 15.407(a)(2) / Part 15.407(a)(3)
For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500kHz band. If transmittingantennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the

amount in dB that the directional gain of the antenna exceeds 6 dBi.

Frequency Bands/MHz	Limits
5150-5250	11dBm/MHz
5.25-5.35 GHz and 5.47-5.725 GHz	11dBm/MHz
5725-5850	30dBm/500kHz

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.75dB.

Test Results:

Note: Power Spectral Density =Read Value+Duty cycle correction factor

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Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36/5180	7.89	7.89	11.00	PASS
	40/5200	8.15	8.15	11.00	PASS
	48/5240	7.84	7.84	11.00	PASS
802.11n HT20	36/5180	7.36	7.36	11.00	PASS
	40/5200	7.34	7.34	11.00	PASS
	48/5240	7.38	7.38	11.00	PASS
802.11n HT40	38/5190	3.31	3.31	11.00	PASS
	46/5230	3.19	3.19	11.00	PASS
802.11ac VHT20	36/5180	7.44	7.44	11.00	PASS
	40/5200	7.30	7.30	11.00	PASS
	48/5240	7.50	7.50	11.00	PASS
802.11ac VHT40	38/5190	3.33	3.33	11.00	PASS
	46/5230	3.46	3.46	11.00	PASS
802.11ac VHT80	42/5210	-0.79	-0.79	11.00	PASS
802.11ax HE20	36/5180	7.63	7.63	11.00	PASS
	40/5200	7.40	7.40	11.00	PASS
	48/5240	7.39	7.39	11.00	PASS
802.11ax HE40	38/5190	3.51	3.51	11.00	PASS
	46/5230	3.35	3.35	11.00	PASS
802.11ax HE80	42/5210	-0.37	-0.37	11.00	PASS

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Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	52/5260	7.91	7.91	11.00	PASS
	60/5300	7.86	7.86	11.00	PASS
	64/5320	7.66	7.66	11.00	PASS
802.11n HT20	52/5260	7.33	7.33	11.00	PASS
	60/5300	7.18	7.18	11.00	PASS
	64/5320	7.23	7.23	11.00	PASS
802.11n HT40	54/5270	3.56	3.56	11.00	PASS
	62/5310	3.66	3.66	11.00	PASS
802.11ac VHT20	52/5260	7.28	7.28	11.00	PASS
	60/5300	7.44	7.44	11.00	PASS
	64/5320	7.49	7.49	11.00	PASS
802.11ac VHT40	54/5270	3.52	3.52	11.00	PASS
	62/5310	3.59	3.59	11.00	PASS
802.11ac VHT80	58/5290	-0.80	-0.80	11.00	PASS
802.11ax HE20	52/5260	7.40	7.40	11.00	PASS
	60/5300	7.35	7.35	11.00	PASS
	64/5320	7.38	7.38	11.00	PASS
802.11ax HE40	54/5270	3.44	3.44	11.00	PASS
	62/5310	3.55	3.55	11.00	PASS
802.11ax HE80	58/5290	-0.10	-0.10	11.00	PASS

U-NII-2C

Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	100/5500	7.59	7.59	11.00	PASS
	116/5580	7.45	7.45	11.00	PASS
	140/5700	7.55	7.55	11.00	PASS
	144/5720	7.76	7.76	11.00	PASS
802.11n HT20	100/5500	7.46	7.46	11.00	PASS
	116/5580	7.49	7.49	11.00	PASS
	140/5700	7.40	7.40	11.00	PASS
	144/5720	7.51	7.51	11.00	PASS
802.11n HT40	102/5510	3.57	3.57	11.00	PASS
	110/5550	3.49	3.49	11.00	PASS
	134/5670	3.52	3.52	11.00	PASS
	142/5710	3.72	3.72	11.00	PASS
802.11ac VHT20	100/5500	7.53	7.53	11.00	PASS
	116/5580	7.55	7.55	11.00	PASS
	140/5700	7.35	7.35	11.00	PASS
	144/5720	7.23	7.23	11.00	PASS
802.11ac VHT40	102/5510	3.38	3.38	11.00	PASS
	110/5550	3.47	3.47	11.00	PASS
	134/5670	3.38	3.38	11.00	PASS
	142/5710	3.69	3.69	11.00	PASS
802.11ac VHT80	106/5530	-0.86	-0.86	11.00	PASS
	138/5690	-0.68	-0.68	11.00	PASS
802.11ax HE20	100/5500	7.38	7.38	11.00	PASS
	116/5580	7.43	7.43	11.00	PASS
	140/5700	7.35	7.35	11.00	PASS
	144/5720	7.28	7.28	11.00	PASS
802.11ax HE40	102/5510	3.56	3.56	11.00	PASS
	110/5550	3.37	3.37	11.00	PASS
	134/5670	3.23	3.23	11.00	PASS
	142/5710	3.33	3.33	11.00	PASS
802.11ax HE80	106/5530	0.27	0.27	11.00	PASS
	138/5690	-0.22	-0.22	11.00	PASS

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Mode	Channel Number	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	149/5745	4.69	4.96	30.00	PASS
	157/5785	4.65	4.92	30.00	PASS
	165/5825	4.76	5.03	30.00	PASS
802.11n HT20	149/5745	4.53	4.80	30.00	PASS
	157/5785	4.41	4.68	30.00	PASS
	165/5825	4.37	4.64	30.00	PASS
802.11n HT40	151/5755	0.32	0.59	30.00	PASS
	159/5795	0.27	0.54	30.00	PASS
802.11ac VHT20	149/5745	4.17	4.44	30.00	PASS
	157/5785	4.36	4.63	30.00	PASS
	165/5825	4.37	4.64	30.00	PASS
802.11ac VHT40	151/5755	0.17	0.44	30.00	PASS
	159/5795	0.25	0.52	30.00	PASS
802.11ac VHT80	155/5775	-3.81	-3.54	30.00	PASS
802.11ax HE20	149/5745	4.22	4.49	30.00	PASS
	157/5785	4.17	4.44	30.00	PASS
	165/5825	4.27	4.54	30.00	PASS
802.11ax HE40	151/5755	0.16	0.43	30.00	PASS
	159/5795	0.05	0.32	30.00	PASS
802.11ax HE80	155/5775	-3.16	-2.89	30.00	PASS
Note: PSD=Read Value+Duty cycle correction factor +10*LOG(500/470) correction factor					

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Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36/5180	7.63	7.63	11.00	PASS
	40/5200	7.62	7.62	11.00	PASS
	48/5240	7.74	7.74	11.00	PASS
802.11n HT20	36/5180	7.02	7.02	11.00	PASS
	40/5200	7.38	7.38	11.00	PASS
	48/5240	7.59	7.59	11.00	PASS
802.11n HT40	38/5190	3.65	3.65	11.00	PASS
	46/5230	3.61	3.61	11.00	PASS
802.11ac VHT20	36/5180	7.15	7.15	11.00	PASS
	40/5200	7.57	7.57	11.00	PASS
	48/5240	7.76	7.76	11.00	PASS
802.11ac VHT40	38/5190	3.76	3.76	11.00	PASS
	46/5230	3.67	3.67	11.00	PASS
802.11ac VHT80	42/5210	-0.72	-0.72	11.00	PASS
802.11ax HE20	36/5180	7.16	7.16	11.00	PASS
	40/5200	7.14	7.14	11.00	PASS
	48/5240	6.90	6.90	11.00	PASS
802.11ax HE40	38/5190	3.20	3.20	11.00	PASS
	46/5230	3.48	3.48	11.00	PASS
802.11ax HE80	42/5210	-0.34	-0.34	11.00	PASS

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Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	52/5260	7.37	7.37	11.00	PASS
	60/5300	7.43	7.43	11.00	PASS
	64/5320	7.56	7.56	11.00	PASS
802.11n HT20	52/5260	7.56	7.56	11.00	PASS
	60/5300	7.37	7.37	11.00	PASS
	64/5320	7.55	7.55	11.00	PASS
802.11n HT40	54/5270	3.59	3.59	11.00	PASS
	62/5310	3.74	3.74	11.00	PASS
802.11ac VHT20	52/5260	7.59	7.59	11.00	PASS
	60/5300	7.49	7.49	11.00	PASS
	64/5320	7.51	7.51	11.00	PASS
802.11ac VHT40	54/5270	3.71	3.71	11.00	PASS
	62/5310	3.51	3.51	11.00	PASS
802.11ac VHT80	58/5290	-0.92	-0.92	11.00	PASS
802.11ax HE20	52/5260	7.45	7.45	11.00	PASS
	60/5300	7.57	7.57	11.00	PASS
	64/5320	7.58	7.58	11.00	PASS
802.11ax HE40	54/5270	3.25	3.25	11.00	PASS
	62/5310	3.35	3.35	11.00	PASS
802.11ax HE80	58/5290	0.13	0.13	11.00	PASS

U-NII-2C

Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	100/5500	7.90	7.90	11.00	PASS
	116/5580	7.85	7.85	11.00	PASS
	140/5700	7.65	7.65	11.00	PASS
	144/5720	7.72	7.72	11.00	PASS
802.11n HT20	100/5500	7.69	7.69	11.00	PASS
	116/5580	7.38	7.38	11.00	PASS
	140/5700	7.37	7.37	11.00	PASS
	144/5720	7.57	7.57	11.00	PASS
802.11n HT40	102/5510	3.17	3.17	11.00	PASS
	110/5550	3.45	3.45	11.00	PASS
	134/5670	3.70	3.70	11.00	PASS
	142/5710	3.32	3.32	11.00	PASS
802.11ac VHT20	100/5500	7.52	7.52	11.00	PASS
	116/5580	7.44	7.44	11.00	PASS
	140/5700	7.35	7.35	11.00	PASS
	144/5720	7.15	7.15	11.00	PASS
802.11ac VHT40	102/5510	3.48	3.48	11.00	PASS
	110/5550	3.55	3.55	11.00	PASS
	134/5670	3.65	3.65	11.00	PASS
	142/5710	3.66	3.66	11.00	PASS
802.11ac VHT80	106/5530	-0.22	-0.22	11.00	PASS
	138/5690	-0.81	-0.81	11.00	PASS
802.11ax HE20	100/5500	7.27	7.27	11.00	PASS
	116/5580	7.17	7.17	11.00	PASS
	140/5700	7.07	7.07	11.00	PASS
	144/5720	7.06	7.06	11.00	PASS
802.11ax HE40	102/5510	3.34	3.34	11.00	PASS
	110/5550	3.40	3.40	11.00	PASS
	134/5670	3.36	3.36	11.00	PASS
	142/5710	3.36	3.36	11.00	PASS
802.11ax HE80	106/5530	0.24	0.24	11.00	PASS
	138/5690	-0.15	-0.15	11.00	PASS

U-NII-3

Mode	Channel Number	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	149/5745	4.41	4.68	30.00	PASS
	157/5785	4.50	4.77	30.00	PASS
	165/5825	4.54	4.81	30.00	PASS
802.11n HT20	149/5745	4.20	4.47	30.00	PASS
	157/5785	4.11	4.38	30.00	PASS
	165/5825	4.04	4.31	30.00	PASS
802.11n HT40	151/5755	0.49	0.76	30.00	PASS
	159/5795	0.33	0.60	30.00	PASS
802.11ac VHT20	149/5745	4.25	4.52	30.00	PASS
	157/5785	4.64	4.91	30.00	PASS
	165/5825	4.39	4.66	30.00	PASS
802.11ac VHT40	151/5755	0.46	0.73	30.00	PASS
	159/5795	0.31	0.58	30.00	PASS
802.11ac VHT80	155/5775	-3.88	-3.61	30.00	PASS
802.11ax HE20	149/5745	4.31	4.58	30.00	PASS
	157/5785	4.50	4.77	30.00	PASS
	165/5825	4.27	4.54	30.00	PASS
802.11ax HE40	151/5755	0.40	0.67	30.00	PASS
	159/5795	0.10	0.37	30.00	PASS
802.11ax HE80	155/5775	-3.47	-3.20	30.00	PASS
Note: PSD=Read Value+Duty cycle correction factor +10*LOG(500/470) correction factor					

MIMO

U-NII-1

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	36/5180	7.92	7.92	7.04	7.04	10.51	17.00	PASS
	40/5200	8.15	8.15	7.42	7.42	10.81	17.00	PASS
	48/5240	8.14	8.14	7.36	7.36	10.78	17.00	PASS
802.11n HT20	36/5180	7.81	7.81	7.44	7.44	10.64	17.00	PASS
	40/5200	7.84	7.84	7.47	7.47	10.67	17.00	PASS
	48/5240	7.61	7.61	7.34	7.34	10.49	17.00	PASS
802.11n HT40	38/5190	4.04	4.04	3.09	3.09	6.60	17.00	PASS
	46/5230	4.13	4.13	3.36	3.36	6.77	17.00	PASS
802.11ac VHT20	36/5180	7.66	7.66	7.56	7.56	10.62	17.00	PASS
	40/5200	7.79	7.79	7.44	7.44	10.63	17.00	PASS
	48/5240	7.31	7.31	7.01	7.01	10.17	17.00	PASS
802.11ac VHT40	38/5190	3.77	3.77	3.13	3.13	6.47	17.00	PASS
	46/5230	3.99	3.99	3.17	3.17	6.61	17.00	PASS
802.11ac VHT80	42/5210	-0.47	-0.47	-1.12	-1.12	2.23	17.00	PASS
802.11ax HE20	36/5180	7.38	7.38	7.35	7.35	10.38	17.00	PASS
	40/5200	7.38	7.38	7.26	7.26	10.33	17.00	PASS
	48/5240	7.16	7.16	6.64	6.64	9.92	17.00	PASS
802.11ax HE40	38/5190	3.75	3.75	3.00	3.00	6.40	17.00	PASS
	46/5230	3.51	3.51	2.61	2.61	6.09	17.00	PASS
802.11ax HE80	42/5210	0.35	0.35	0.18	0.18	3.28	17.00	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then

Directional gain = $10\log[(10^{G1/10}+10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10}+10^{-3.1/10})/2]$ = -0.210dBi < 6dBi. So the limit is 11dBm.

U-NII-2A

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	52/5260	7.86	7.86	7.99	7.99	10.94	11.00	PASS
	60/5300	8.14	8.14	7.34	7.34	10.77	11.00	PASS
	64/5320	7.61	7.61	7.59	7.59	10.61	11.00	PASS
802.11n HT20	52/5260	7.67	7.67	6.88	6.88	10.30	11.00	PASS
	60/5300	7.70	7.70	6.94	6.94	10.35	11.00	PASS
	64/5320	7.59	7.59	7.33	7.33	10.47	11.00	PASS
802.11n HT40	54/5270	3.93	3.93	3.01	3.01	6.50	11.00	PASS
	62/5310	3.67	3.67	3.36	3.36	6.53	11.00	PASS
802.11ac VHT20	52/5260	7.91	7.91	7.02	7.02	10.50	11.00	PASS
	60/5300	7.66	7.66	7.24	7.24	10.47	11.00	PASS
	64/5320	7.65	7.65	7.01	7.01	10.35	11.00	PASS
802.11ac VHT40	54/5270	3.69	3.69	3.23	3.23	6.48	11.00	PASS
	62/5310	3.77	3.77	3.27	3.27	6.54	11.00	PASS
802.11ac VHT80	58/5290	-0.41	-0.41	-1.39	-1.39	2.14	11.00	PASS
802.11ax HE20	52/5260	7.55	7.55	6.71	6.71	10.16	11.00	PASS
	60/5300	7.57	7.57	7.07	7.07	10.34	11.00	PASS
	64/5320	7.49	7.49	6.70	6.70	10.12	11.00	PASS
802.11ax HE40	54/5270	3.69	3.69	2.70	2.70	6.23	11.00	PASS
	62/5310	3.55	3.55	2.82	2.82	6.21	11.00	PASS
802.11ax HE80	58/5290	-0.24	-0.24	-0.16	-0.16	2.81	11.00	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then

Directional gain = $10\log[(10^{G1/10}+10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10}+10^{-3.1/10})/2]$ = -0.210dBi < 6dBi. So the limit is 11dBm.

U-NII-2C

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	100/5500	7.22	7.22	7.61	7.61	10.43	11.00	PASS
	116/5580	7.81	7.81	7.38	7.38	10.61	11.00	PASS
	140/5700	7.94	7.94	7.80	7.80	10.88	11.00	PASS
	144/5720	7.26	7.26	7.77	7.77	10.53	11.00	PASS
802.11n HT20	100/5500	7.71	7.71	7.32	7.32	10.53	11.00	PASS
	116/5580	7.65	7.65	7.43	7.43	10.55	11.00	PASS
	140/5700	7.69	7.69	7.56	7.56	10.64	11.00	PASS
	144/5720	7.85	7.85	7.54	7.54	10.71	11.00	PASS
802.11n HT40	102/5510	3.88	3.88	3.56	3.56	6.73	11.00	PASS
	110/5550	3.52	3.52	3.42	3.42	6.48	11.00	PASS
	134/5670	3.50	3.50	3.44	3.44	6.48	11.00	PASS
	142/5710	3.59	3.59	3.66	3.66	6.64	11.00	PASS
802.11ac VHT20	100/5500	7.60	7.60	6.59	6.59	10.13	11.00	PASS
	116/5580	7.71	7.71	7.42	7.42	10.58	11.00	PASS
	140/5700	8.07	8.07	7.53	7.53	10.82	11.00	PASS
	144/5720	7.67	7.67	7.79	7.79	10.74	11.00	PASS
802.11ac VHT40	102/5510	3.72	3.72	3.58	3.58	6.66	11.00	PASS
	110/5550	3.89	3.89	3.66	3.66	6.79	11.00	PASS
	134/5670	3.45	3.45	3.54	3.54	6.51	11.00	PASS
	142/5710	3.64	3.64	3.57	3.57	6.62	11.00	PASS
802.11ac VHT80	106/5530	-0.45	-0.45	-1.11	-1.11	2.24	11.00	PASS
	138/5690	-0.52	-0.52	-1.02	-1.02	2.25	11.00	PASS
802.11ax HE20	100/5500	7.55	7.55	6.91	6.91	10.25	11.00	PASS
	116/5580	7.55	7.55	7.51	7.51	10.54	11.00	PASS
	140/5700	7.34	7.34	6.71	6.71	10.05	11.00	PASS
	144/5720	7.64	7.64	6.92	6.92	10.31	11.00	PASS
802.11ax HE40	102/5510	3.42	3.42	3.30	3.30	6.37	11.00	PASS
	110/5550	3.63	3.63	3.09	3.09	6.38	11.00	PASS
	134/5670	2.49	2.49	3.30	3.30	5.92	11.00	PASS
	142/5710	3.50	3.50	3.10	3.10	6.31	11.00	PASS
802.11ax HE80	106/5530	0.00	0.00	-0.47	-0.47	2.78	11.00	PASS
	138/5690	0.11	0.11	-0.42	-0.42	2.86	11.00	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then Directional gain = $10\log[(10^{G1/10} + 10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10} + 10^{-3.1/10})/2]$ = -0.210dBi < 6dBi. So the limit is 11dBm.

U-NII-3

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/ 500kHz)		
		Read Value (dBm/ 470kHz)	PSD (dBm/ 500kHz)	Read Value (dBm/ 470kHz)	PSD (dBm/ 500kHz)			
802.11a	149/5745	4.79	5.06	4.95	5.22	8.15	30.00	PASS
	157/5785	4.74	5.01	5.00	5.27	8.15	30.00	PASS
	165/5825	4.75	5.02	4.84	5.11	8.08	30.00	PASS
802.11n HT20	149/5745	4.45	4.72	4.35	4.62	7.68	30.00	PASS
	157/5785	4.15	4.42	4.55	4.82	7.63	30.00	PASS
	165/5825	4.38	4.65	4.55	4.82	7.75	30.00	PASS
802.11n HT40	151/5755	0.41	0.68	0.61	0.88	3.79	30.00	PASS
	159/5795	0.50	0.77	0.25	0.52	3.66	30.00	PASS
802.11ac VHT20	149/5745	4.11	4.38	4.55	4.82	7.62	30.00	PASS
	157/5785	4.33	4.60	4.99	5.26	7.95	30.00	PASS
	165/5825	4.47	4.74	4.52	4.79	7.78	30.00	PASS
802.11ac VHT40	151/5755	0.66	0.93	0.92	1.19	4.07	30.00	PASS
	159/5795	0.90	1.17	0.44	0.71	3.96	30.00	PASS
802.11ac VHT80	155/5775	-3.60	-3.33	-3.41	-3.14	-0.22	30.00	PASS
802.11ax HE20	149/5745	4.24	4.51	4.37	4.64	7.59	30.00	PASS
	157/5785	4.16	4.43	4.83	5.10	7.79	30.00	PASS
	165/5825	4.33	4.60	4.13	4.40	7.51	30.00	PASS
802.11ax HE40	151/5755	0.28	0.55	0.48	0.75	3.66	30.00	PASS
	159/5795	0.44	0.71	0.18	0.45	3.59	30.00	PASS
802.11ax HE80	155/5775	-3.60	-3.33	-3.36	-3.09	-0.20	30.00	PASS

Note: 1. Power Spectral Density = Read Value+Duty cycle correction factor +10*LOG(500/470)

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

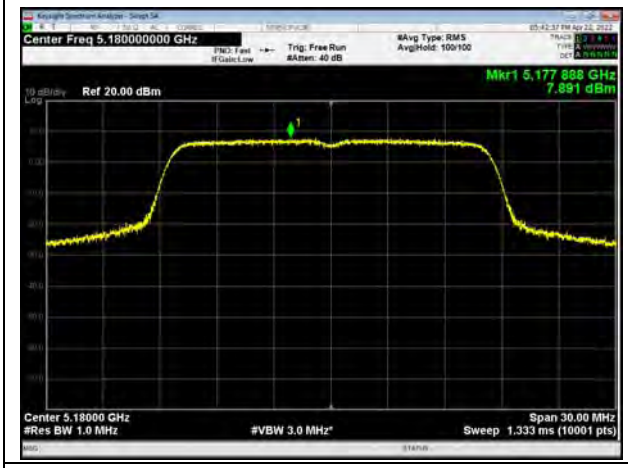
the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. Direction gain calculation according to KDB662911 D01 Multiple Transmitter Output v02r01 F)2)d)(ii): If antenna gains are not equal, If all transmit signals are completely uncorrelated, then

Directional gain = $10\log[(10^{G1/10} + 10^{G2/10})/N_{ANT}]$ dBi = $10\log[(10^{-1.5/10} + 10^{-3.1/10})/2]$ = -0.210dBi < 6dBi. So the limit is 30dBm.

SISO Antenna 1

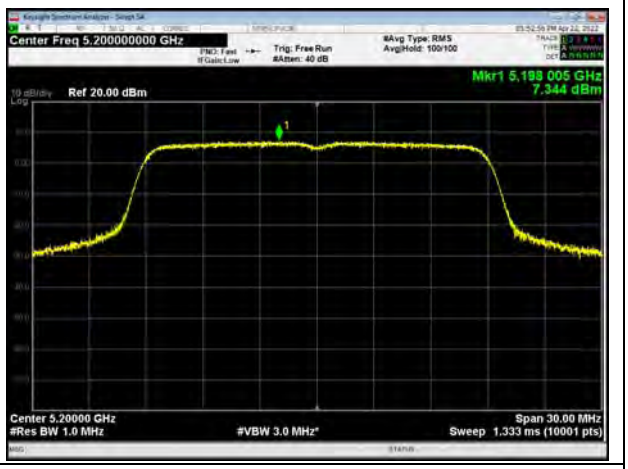
U-NII-1, 802.11a, Channel No.: 36



U-NII-1, 802.11n HT20, Channel No.: 36

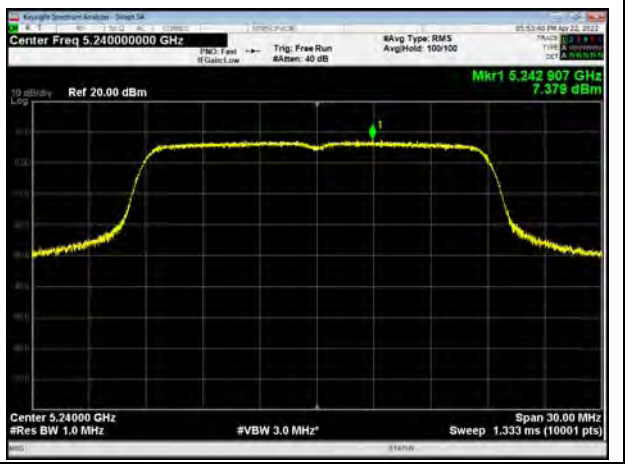
U-NII-1, 802.11a, Channel No.: 40

U-NII-1, 802.11n HT20, Channel No.: 40

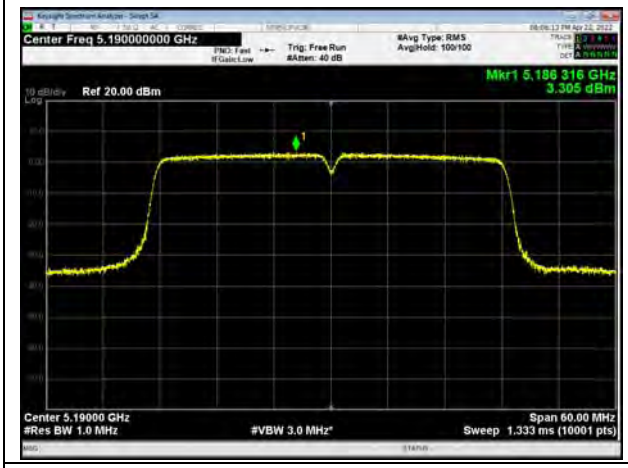


U-NII-1, 802.11a, Channel No.: 48

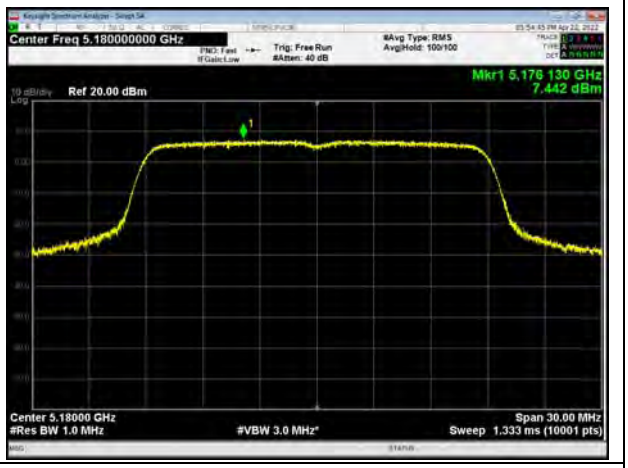
U-NII-1, 802.11n HT20, Channel No.: 48



U-NII-1, 802.11n HT40, Channel No.: 38

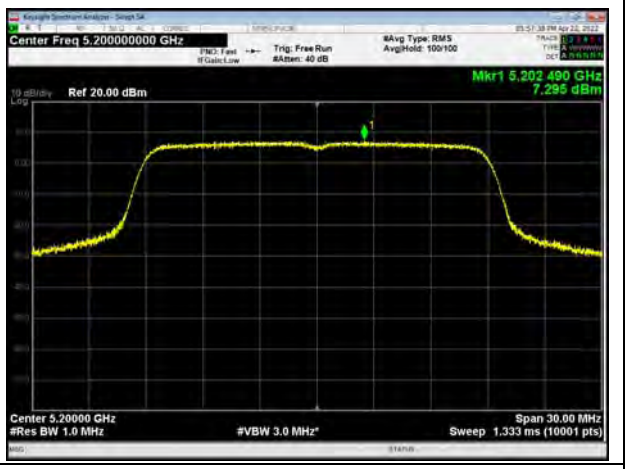


U-NII-1, 802.11ac VHT20, Channel No.: 36

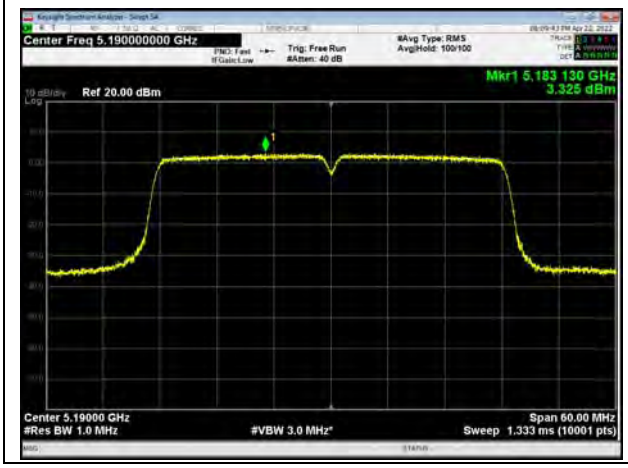


U-NII-1, 802.11n HT40, Channel No.: 46

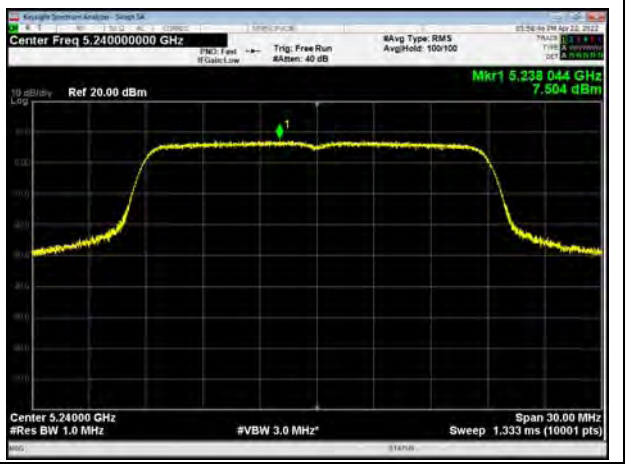
U-NII-1, 802.11ac VHT20, Channel No.: 40



U-NII-1, 802.11ac VHT40, Channel No.: 38



U-NII-1, 802.11ac VHT20, Channel No.: 48



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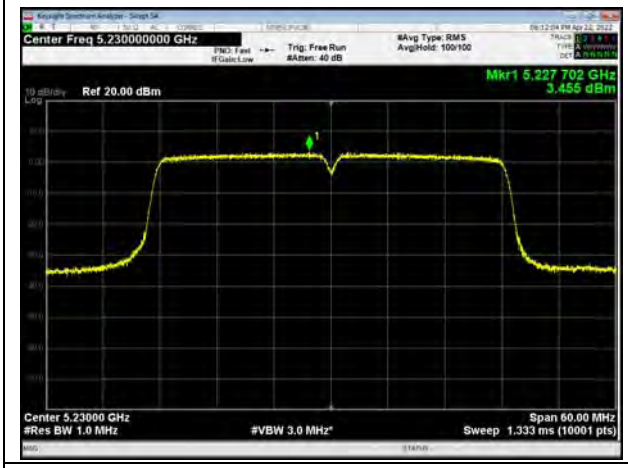
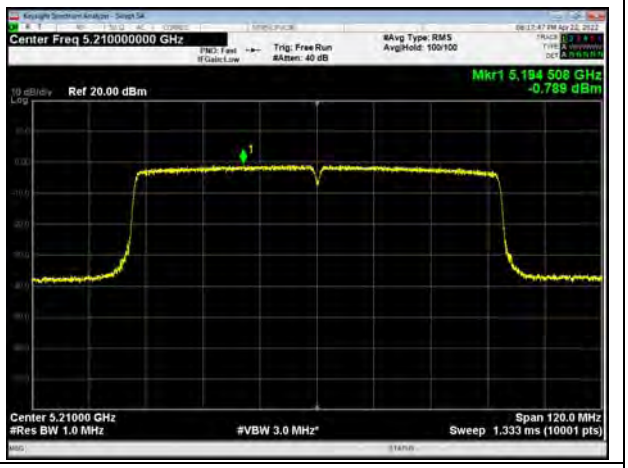
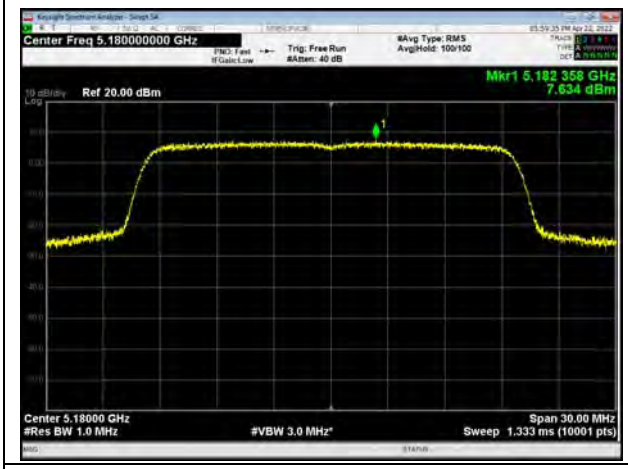


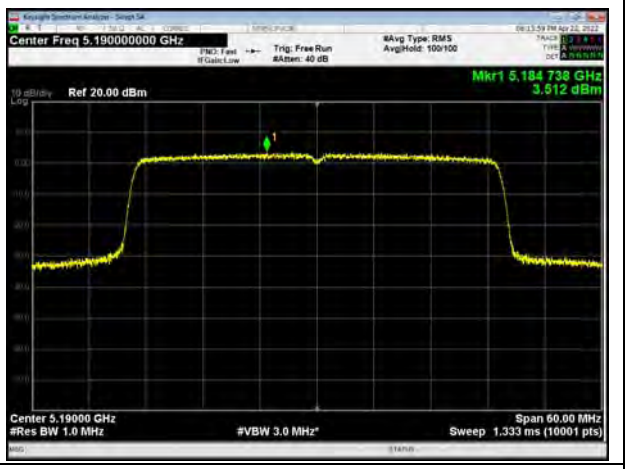
U-NII-1, 802.11ac VHT80, Channel No.: 42



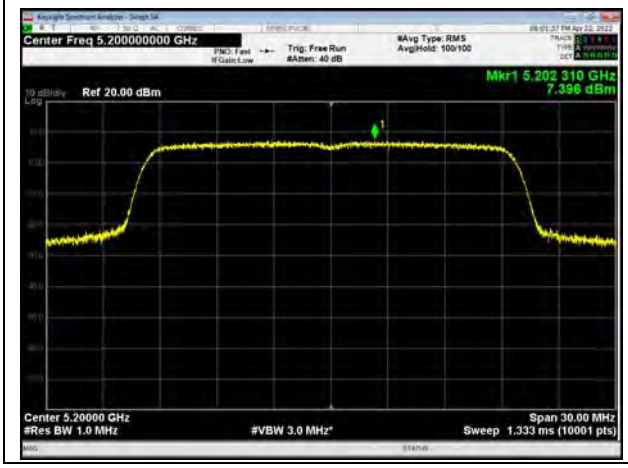
U-NII-1, 802.11ax HE20, Channel No.: 36



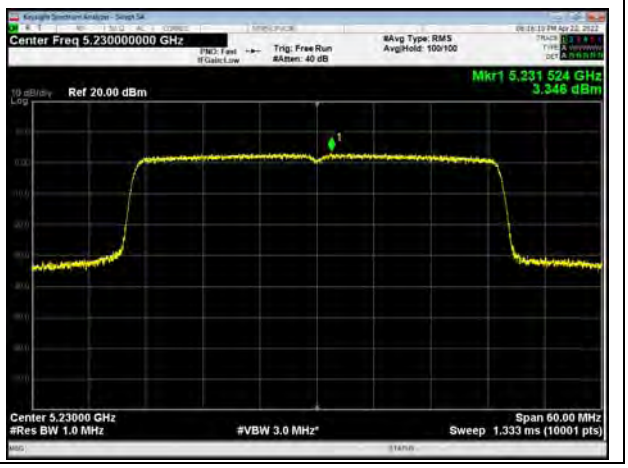
U-NII-1, 802.11ax HE40, Channel No.: 38



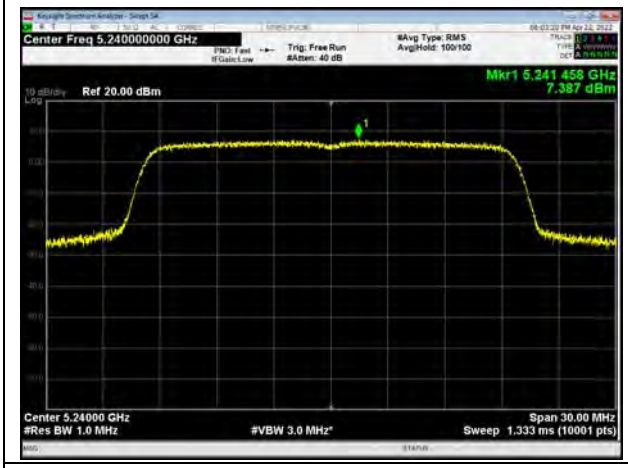
U-NII-1, 802.11ax HE20, Channel No.: 40



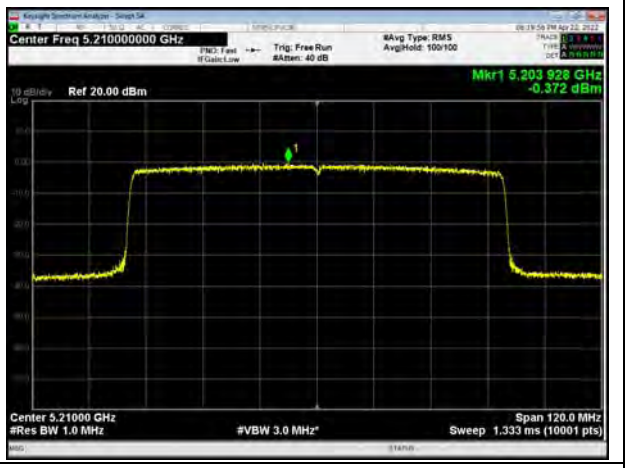
U-NII-1, 802.11ax HE40, Channel No.: 46



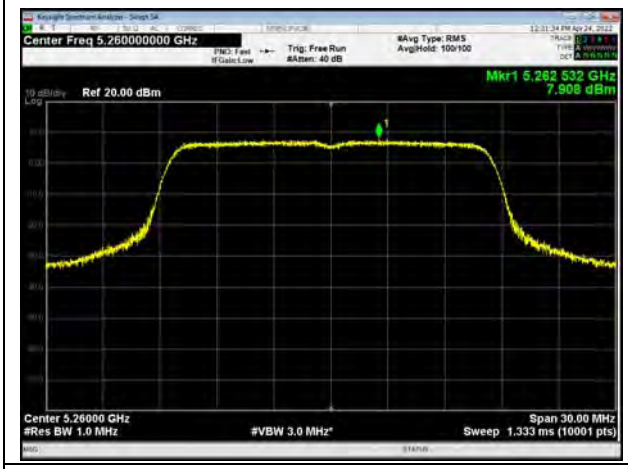
U-NII-1, 802.11ax HE20, Channel No.: 48



U-NII-1, 802.11ax HE80, Channel No.: 42

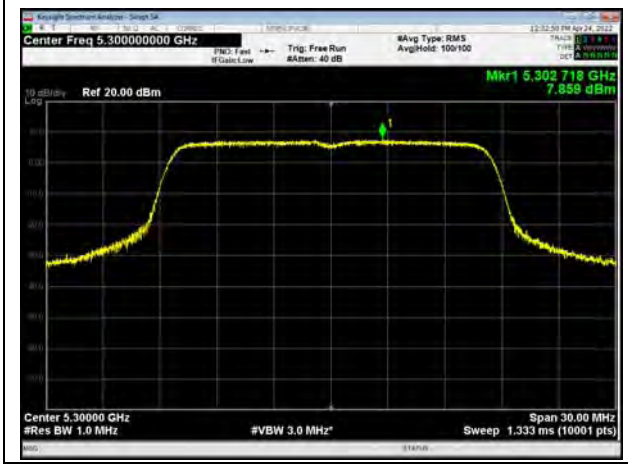


U-NII-2A, 802.11a, Channel No.: 52

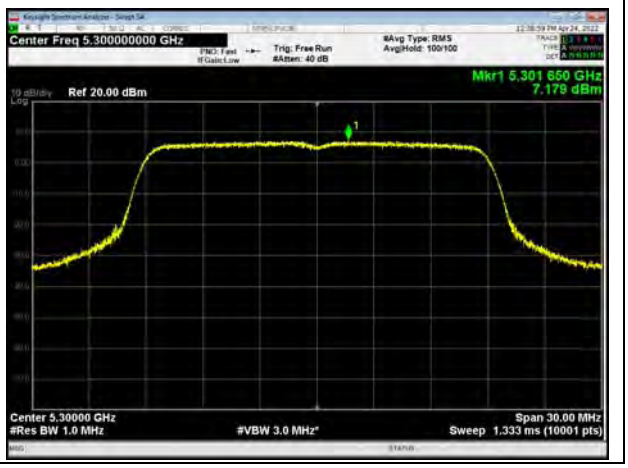


U-NII-2A, 802.11n HT20, Channel No.: 52

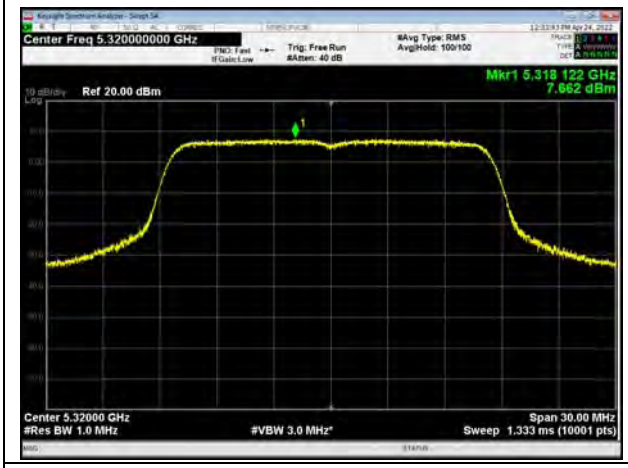
U-NII-2A, 802.11a, Channel No.: 60



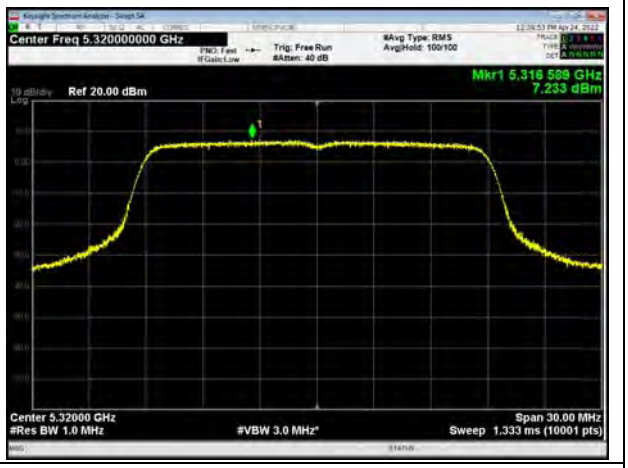
U-NII-2A, 802.11n HT20, Channel No.: 60



U-NII-2A, 802.11a, Channel No.: 64

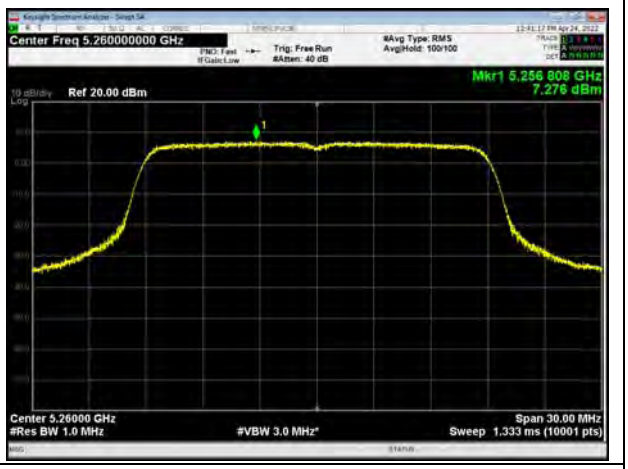


U-NII-2A, 802.11n HT20, Channel No.: 64

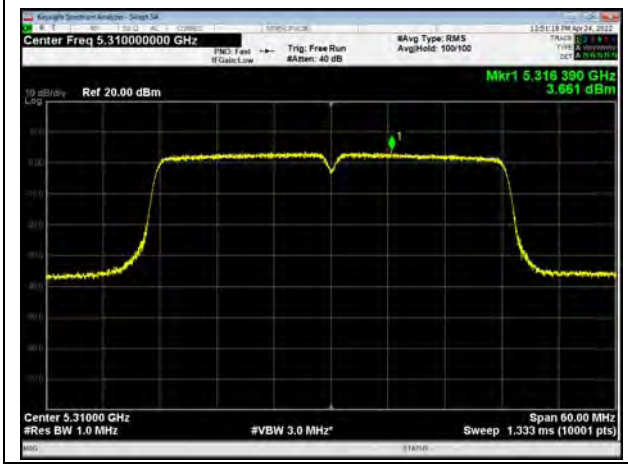


U-NII-2A, 802.11n HT40, Channel No.: 54

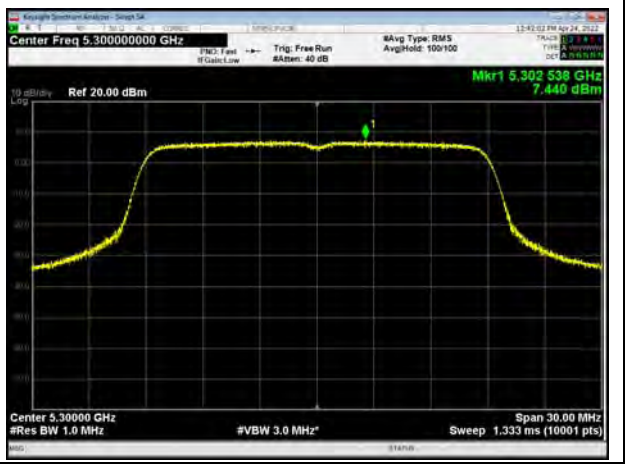
U-NII-2A, 802.11ac VHT20, Channel No.:52



U-NII-2A, 802.11n HT40, Channel No.: 62



U-NII-2A, 802.11ac VHT20, Channel No.: 60



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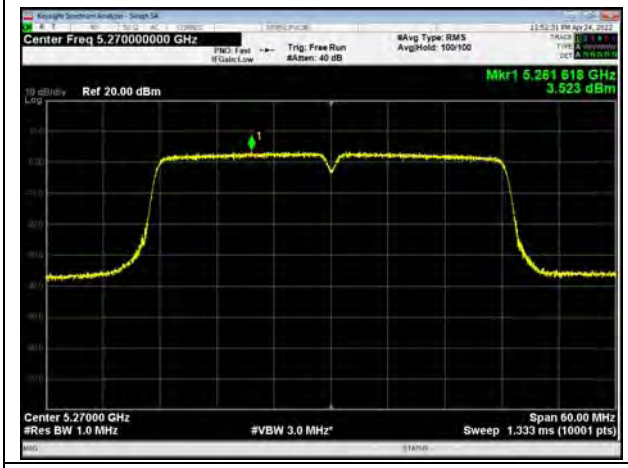
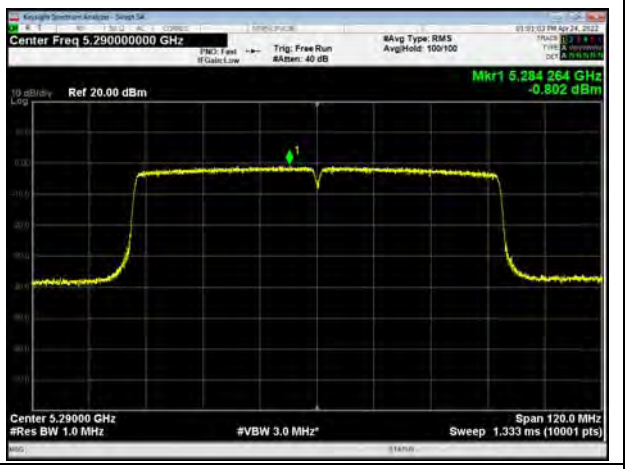


U-NII-2A, 802.11ac VHT20, Channel No.: 64

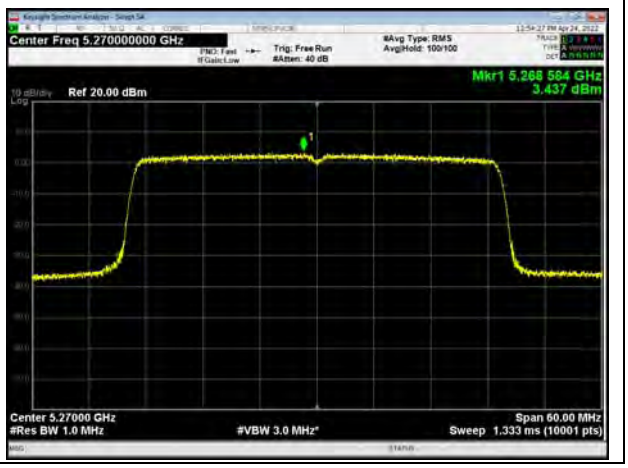
U-NII-2A, 802.11ac VHT40, Channel No.: 62

U-NII-2A, 802.11ac VHT80, Channel No.: 58



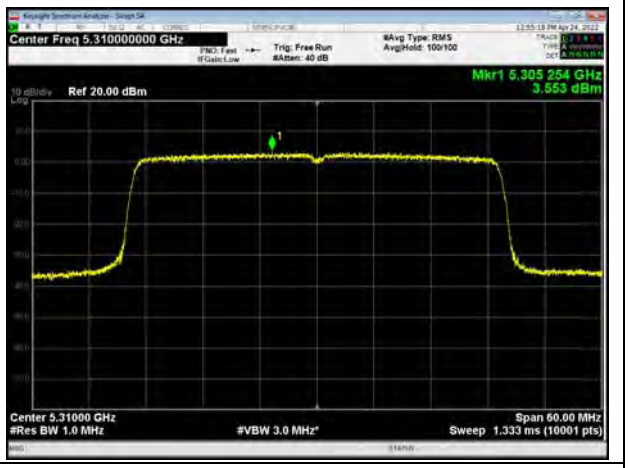
U-NII-2A, 802.11ax HE20, Channel No.:52

U-NII-2A, 802.11ax HE40, Channel No.: 54



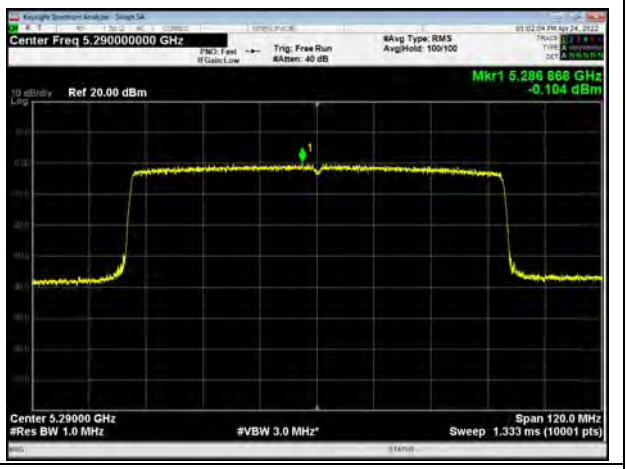
U-NII-2A, 802.11ax HE20, Channel No.: 60

U-NII-2A, 802.11ax HE40, Channel No.: 62

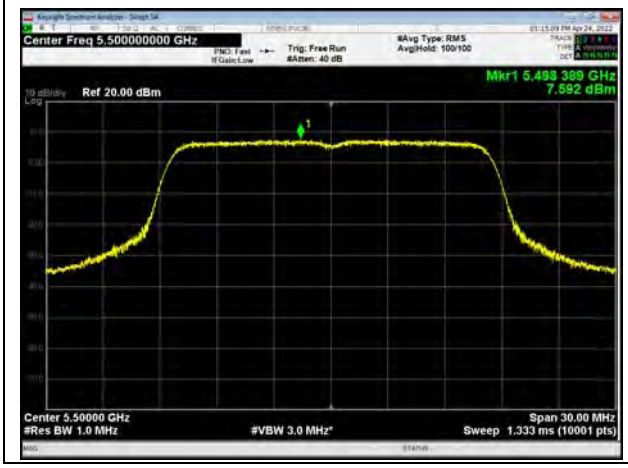


U-NII-2A, 802.11ax HE20, Channel No.: 64

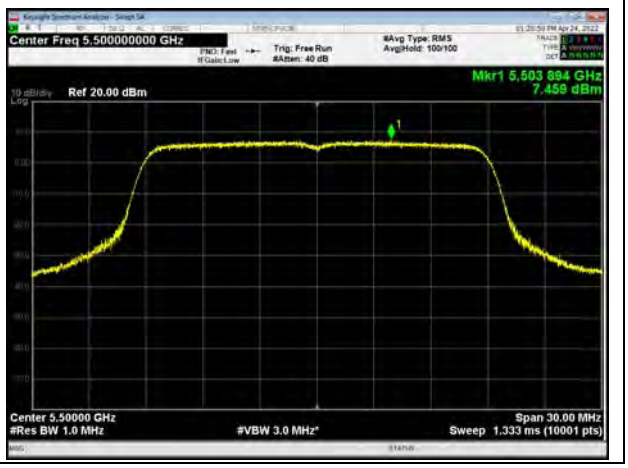
U-NII-2A, 802.11ax HE80, Channel No.: 58



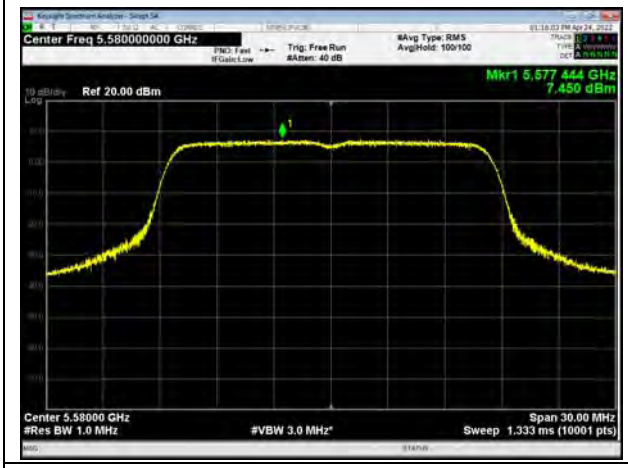
U-NII-2C, 802.11a, Channel No.: 100



U-NII-2C, 802.11n HT20, Channel No.: 100

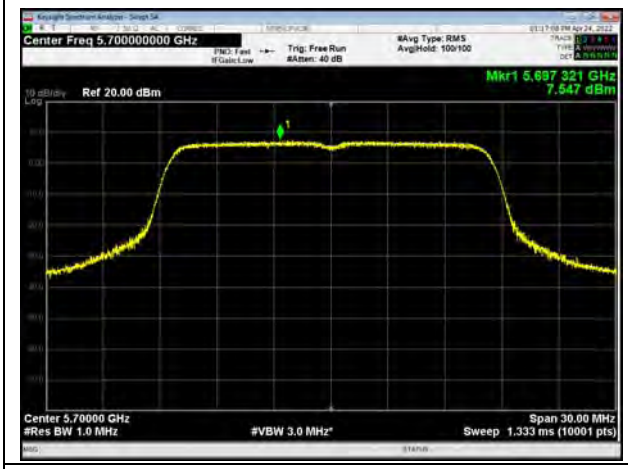


U-NII-2C, 802.11a, Channel No.: 116



U-NII-2C, 802.11n HT20, Channel No.: 116

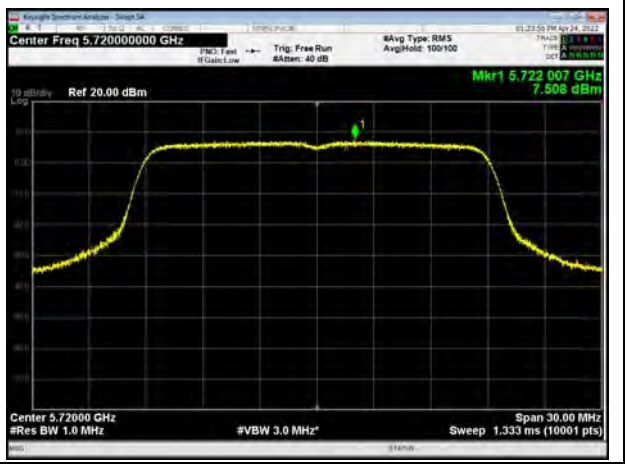
U-NII-2C, 802.11a, Channel No.: 140



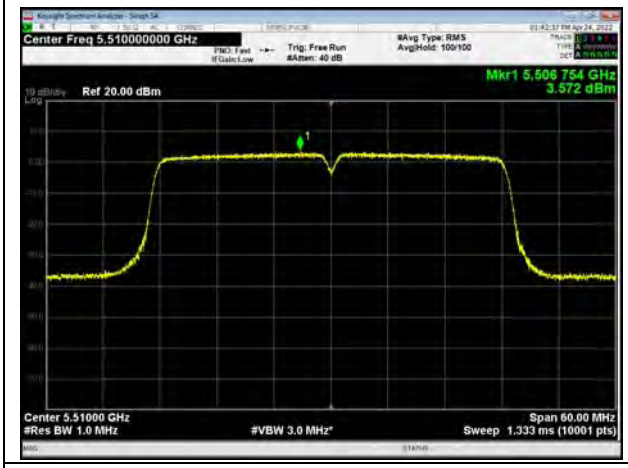
U-NII-2C, 802.11n HT20, Channel No.: 140

U-NII-2C, 802.11a, Channel No.: 144

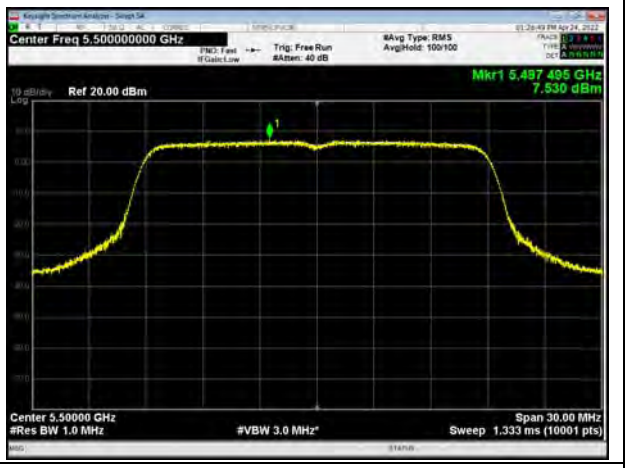
U-NII-2C, 802.11n HT20, Channel No.: 144



U-NII-2C, 802.11n HT40, Channel No.: 102



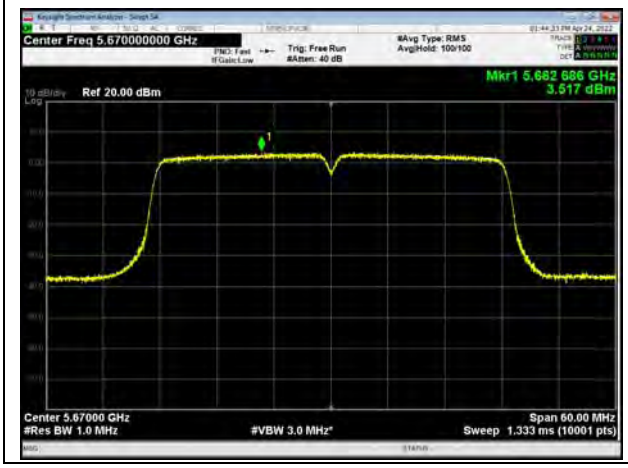
U-NII-2C, 802.11ac VHT20, Channel No.: 100



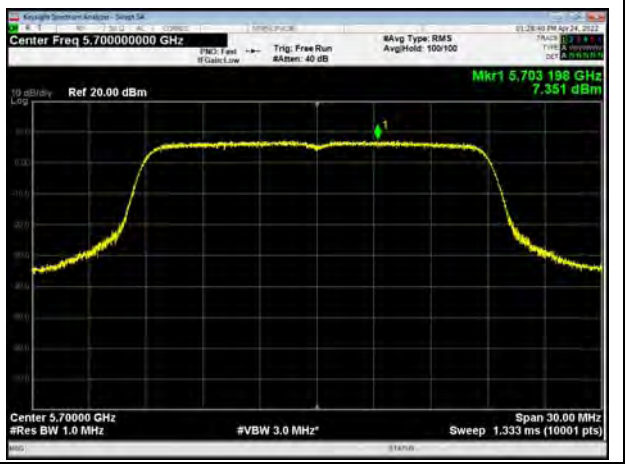
U-NII-2C, 802.11n HT40, Channel No.: 110

U-NII-2C, 802.11ac VHT20, Channel No.: 116

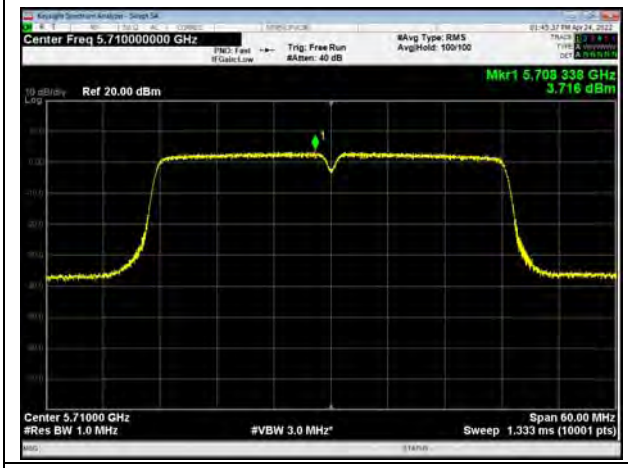
U-NII-2C, 802.11n HT40, Channel No.: 134



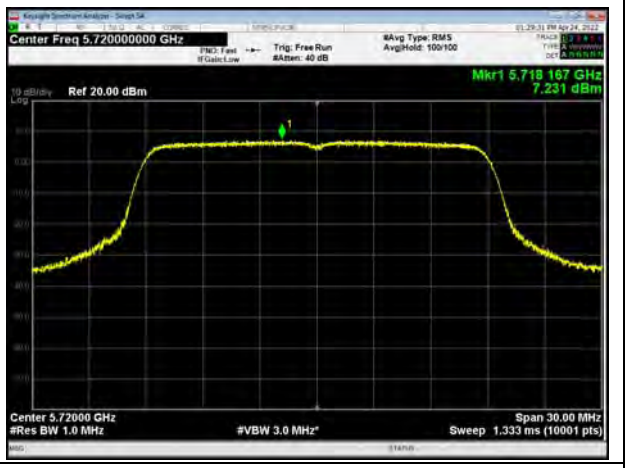
U-NII-2C, 802.11ac VHT20, Channel No.: 140



U-NII-2C, 802.11n HT40, Channel No.: 142

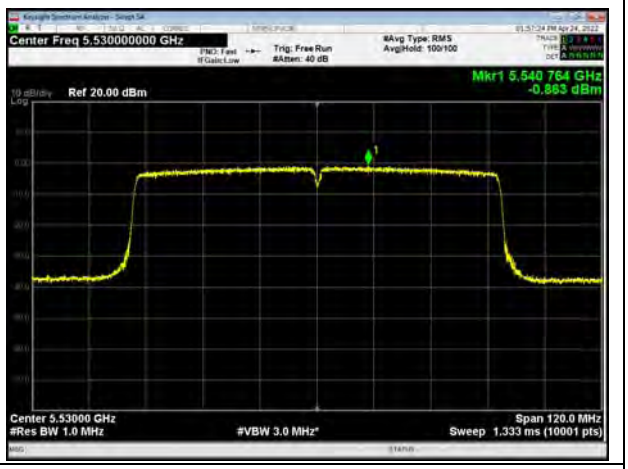


U-NII-2C, 802.11ac VHT20, Channel No.: 144

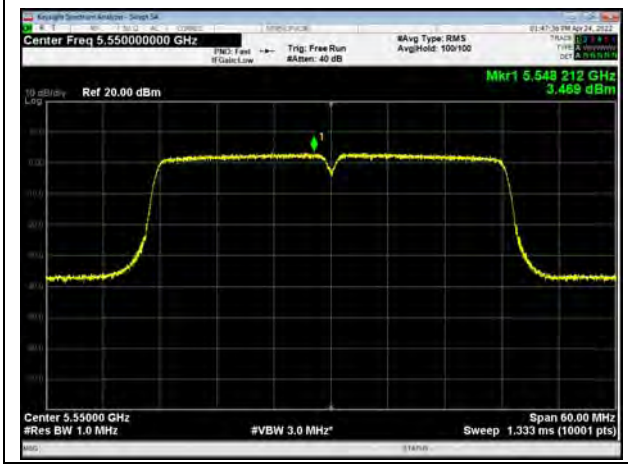


U-NII-2C, 802.11ac VHT40, Channel No.: 102

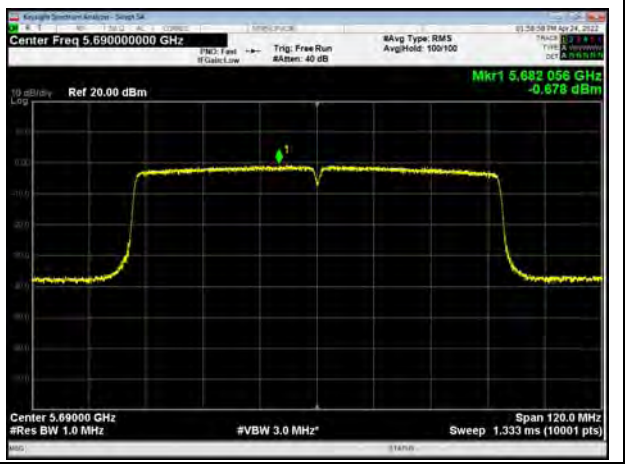
U-NII-2C, 802.11ac VHT80, Channel No.: 106



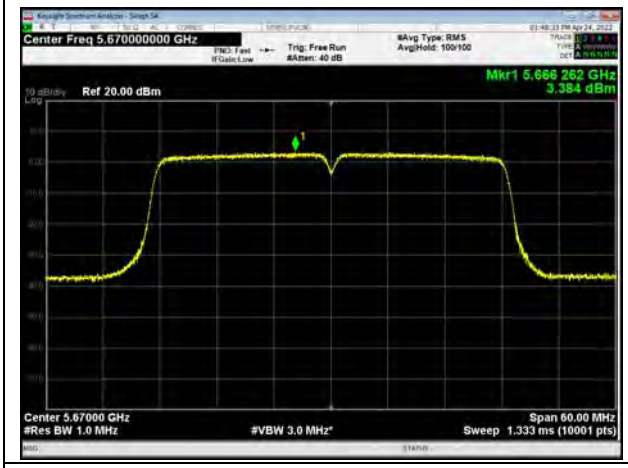
U-NII-2C, 802.11ac VHT40, Channel No.: 110



U-NII-2C, 802.11ac VHT80, Channel No.: 138

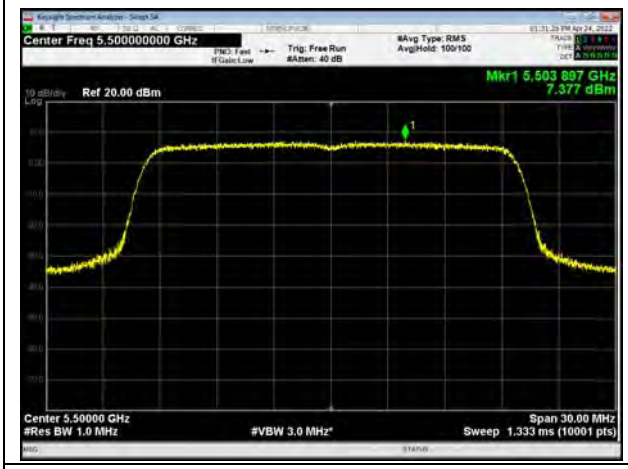


U-NII-2C, 802.11ac VHT40, Channel No.: 134

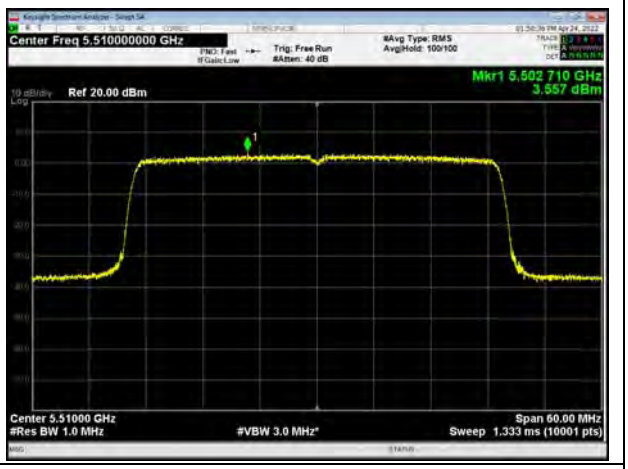


U-NII-2C, 802.11ac VHT40, Channel No.: 142

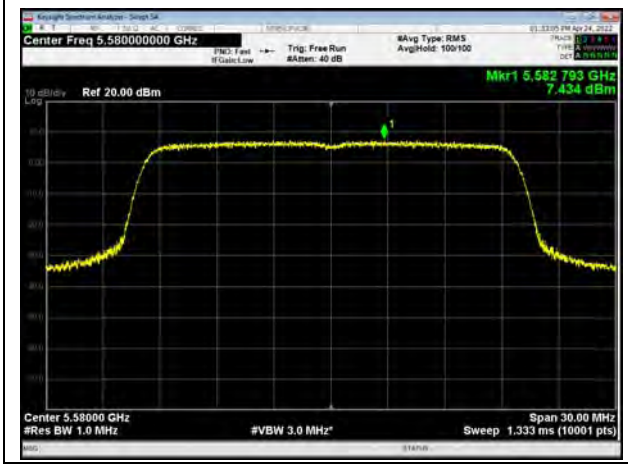
U-NII-2C, 802.11ax HE20, Channel No.: 100



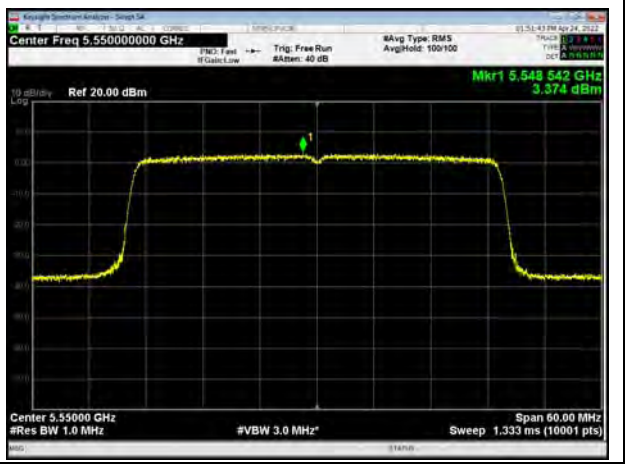
U-NII-2C, 802.11ax HE40, Channel No.: 102



U-NII-2C, 802.11ax HE20, Channel No.: 116

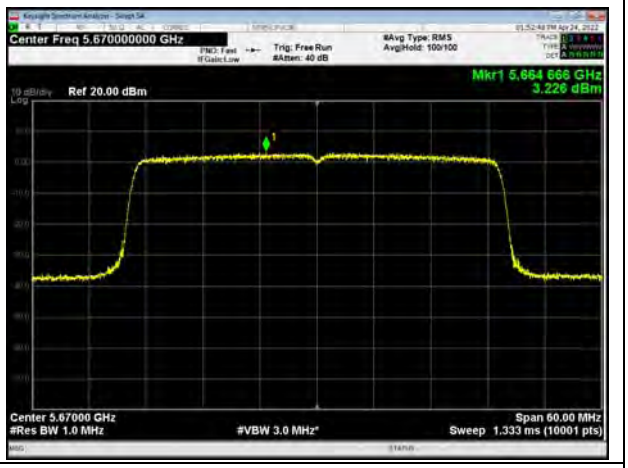


U-NII-2C, 802.11ax HE40, Channel No.: 110



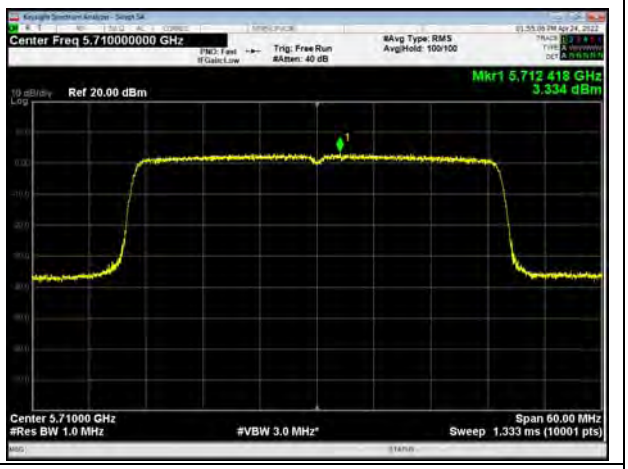
U-NII-2C, 802.11ax HE20, Channel No.: 140

U-NII-2C, 802.11ax HE40, Channel No.: 134

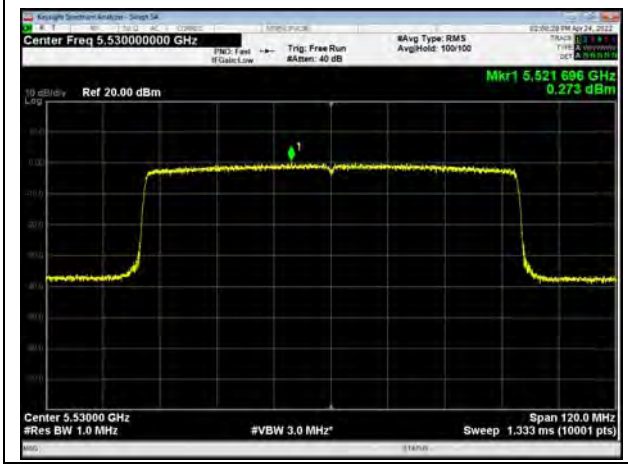


U-NII-2C, 802.11ax HE20, Channel No.: 144

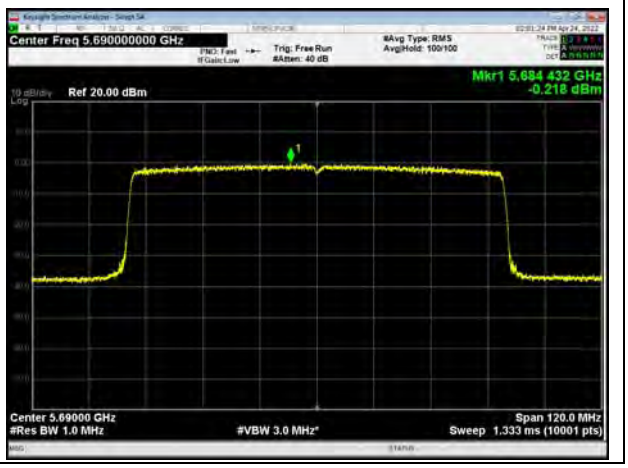
U-NII-2C, 802.11ax HE40, Channel No.: 142



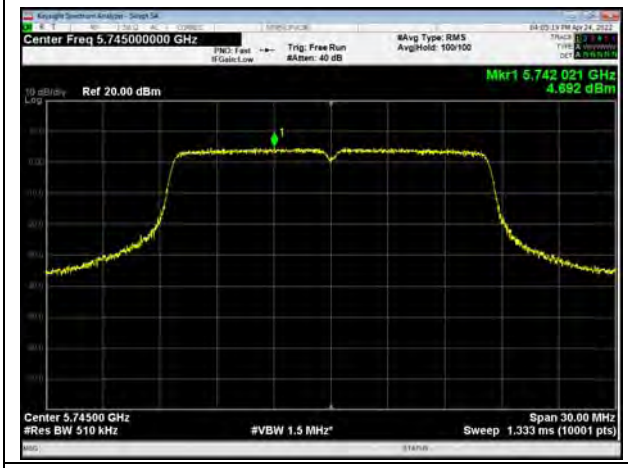
U-NII-2C, 802.11ax HE80, Channel No.: 106



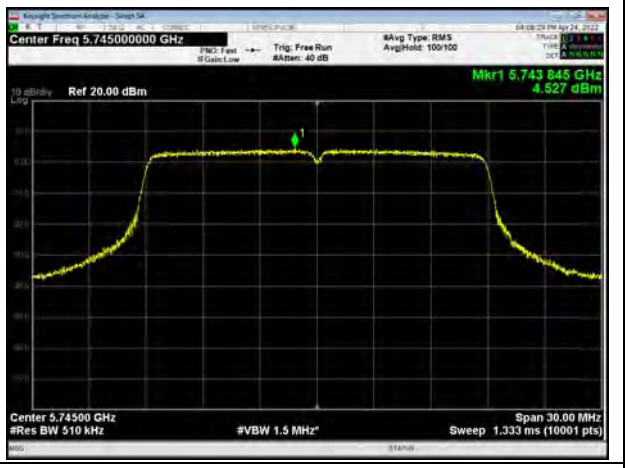
U-NII-2C, 802.11ax HE80, Channel No.: 138



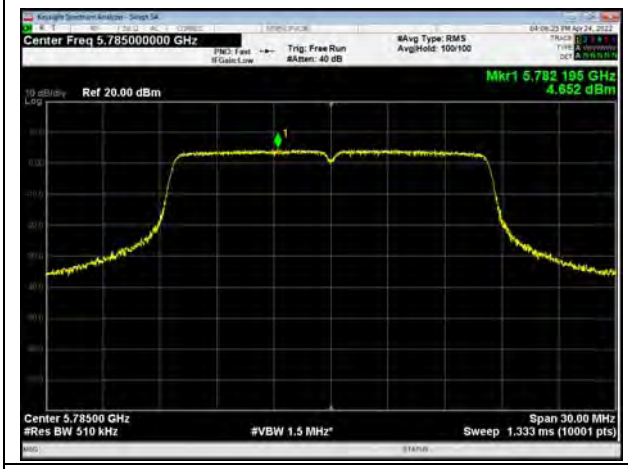
U-NII-3, 802.11a, Channel No.: 149



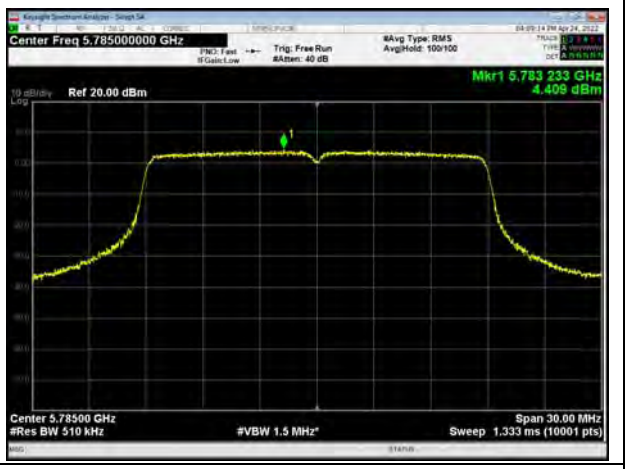
U-NII-3, 802.11n HT20, Channel No.: 149



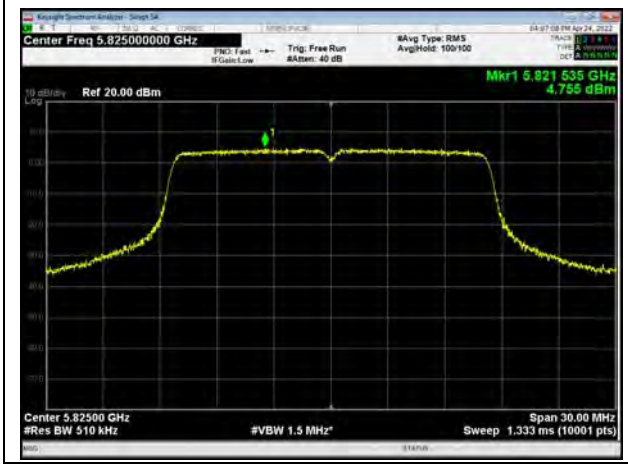
U-NII-3, 802.11a, Channel No.: 157



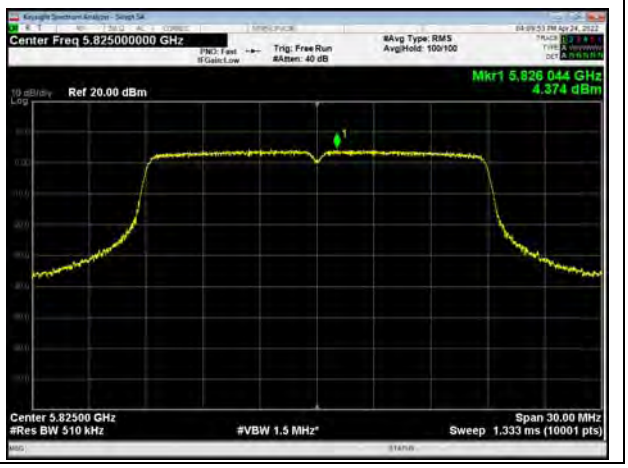
U-NII-3, 802.11n HT20, Channel No.: 157



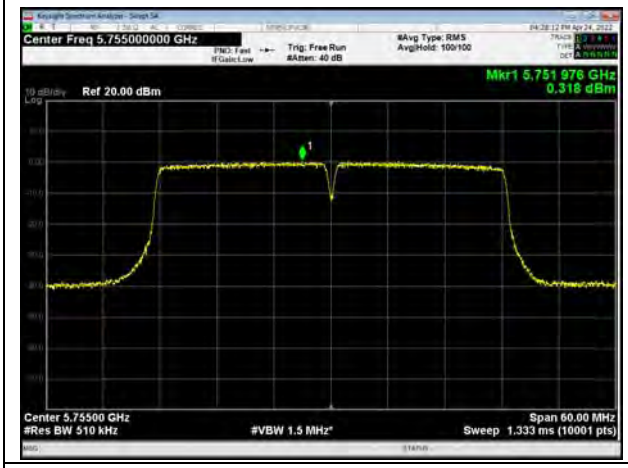
U-NII-3, 802.11a, Channel No.: 165



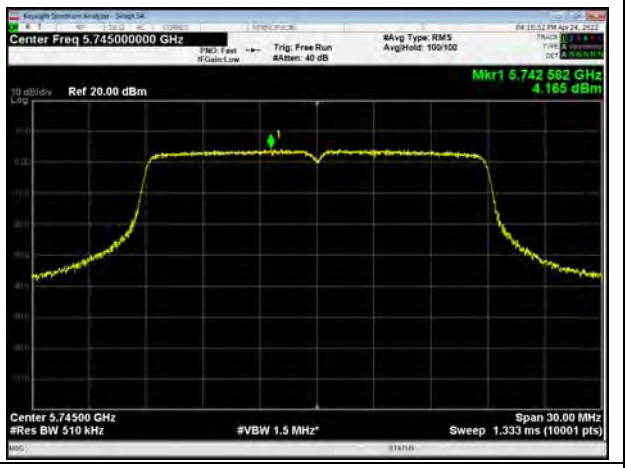
U-NII-3, 802.11n HT20, Channel No.: 165



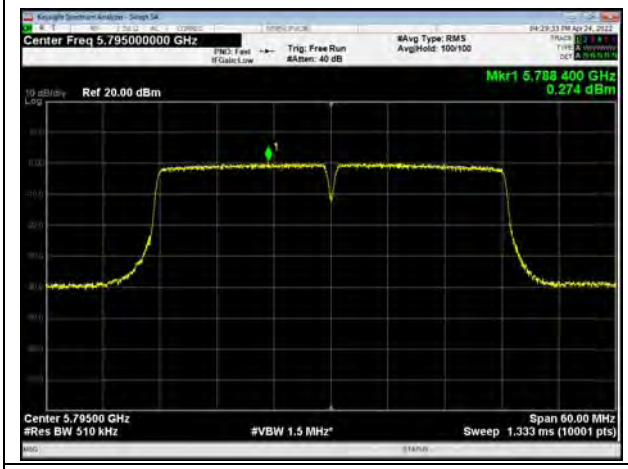
U-NII-3, 802.11n HT40, Channel No.: 151



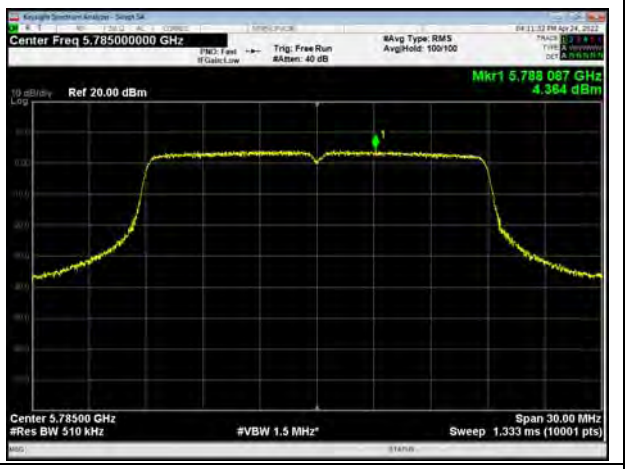
U-NII-3, 802.11ac VHT20, Channel No.: 149



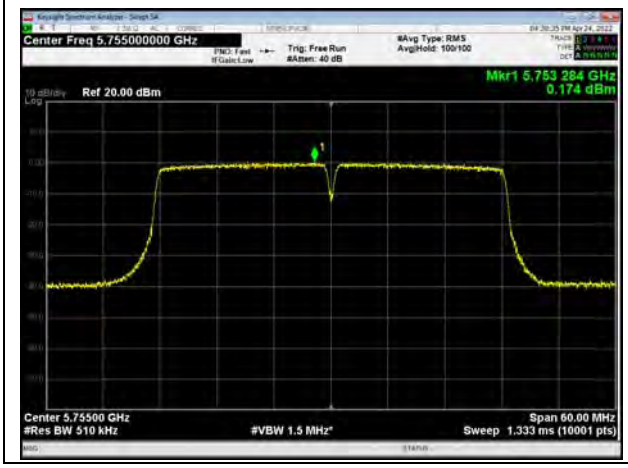
U-NII-3, 802.11n HT40, Channel No.: 159



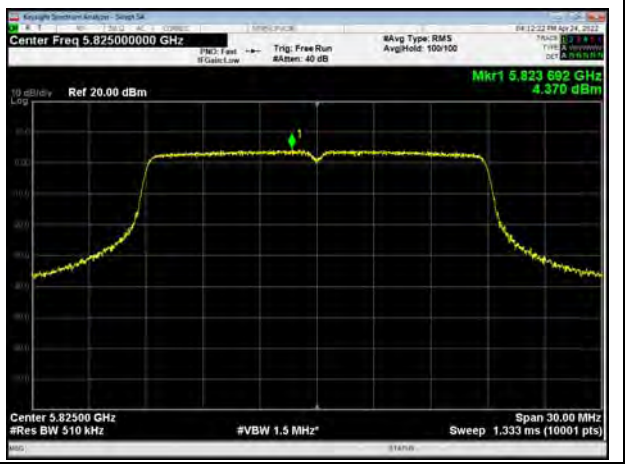
U-NII-3, 802.11ac VHT20, Channel No.: 157



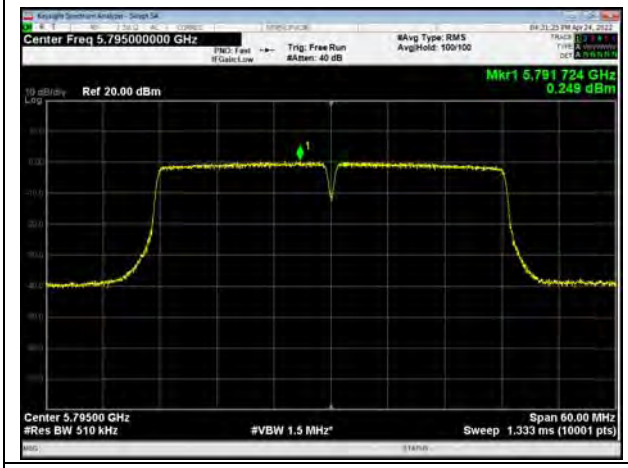
U-NII-3, 802.11ac VHT40, Channel No.: 151



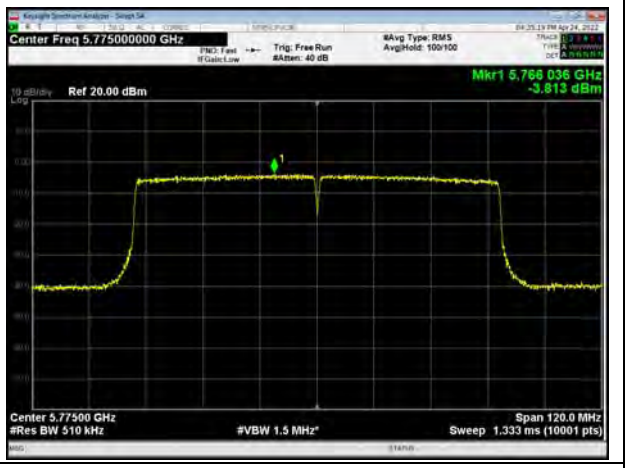
U-NII-3, 802.11ac VHT20, Channel No.: 165



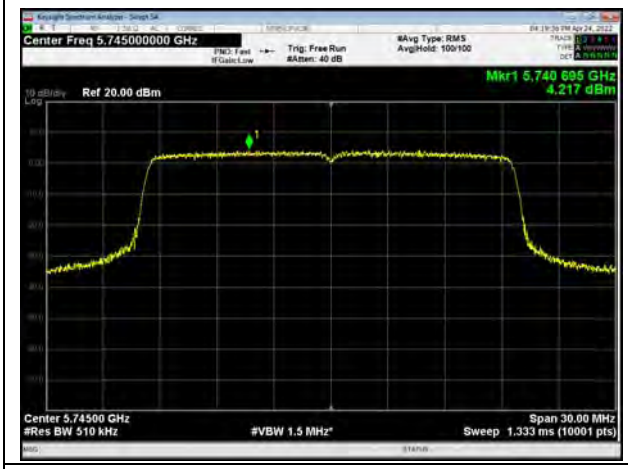
U-NII-3, 802.11ac VHT40, Channel No.: 159



U-NII-3, 802.11ac VHT80, Channel No.: 155

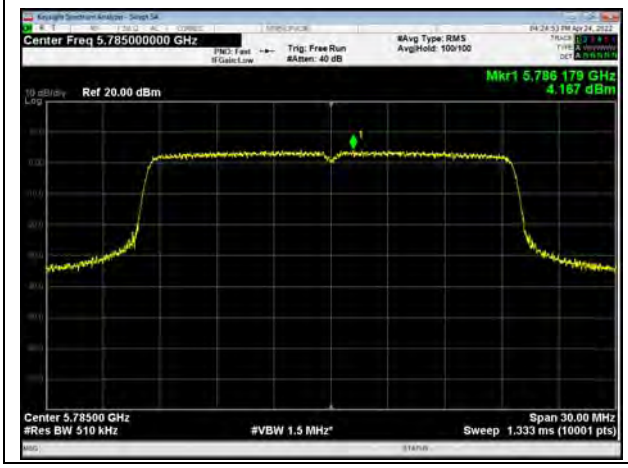


U-NII-3, 802.11ax HE20, Channel No.: 149

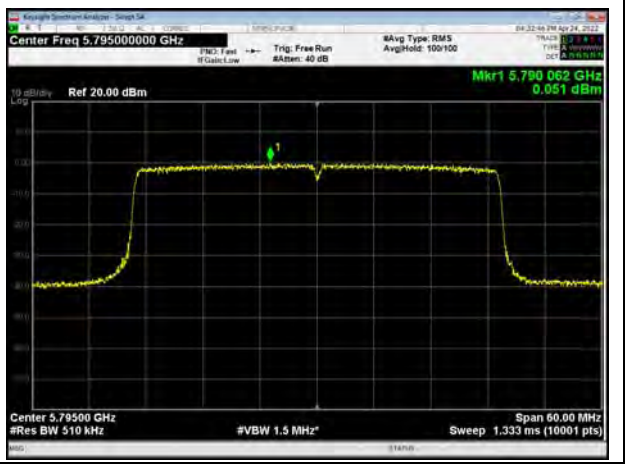


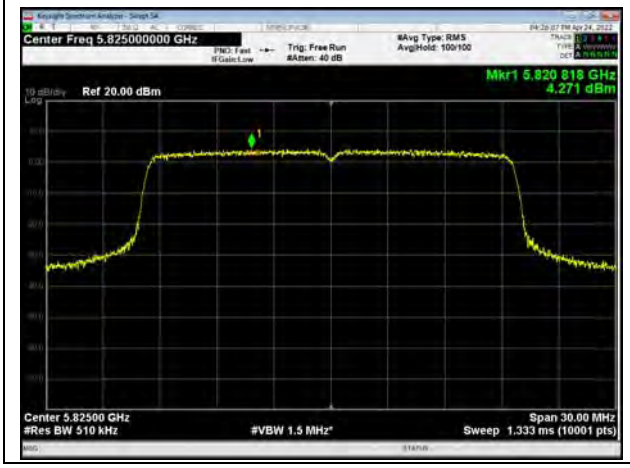
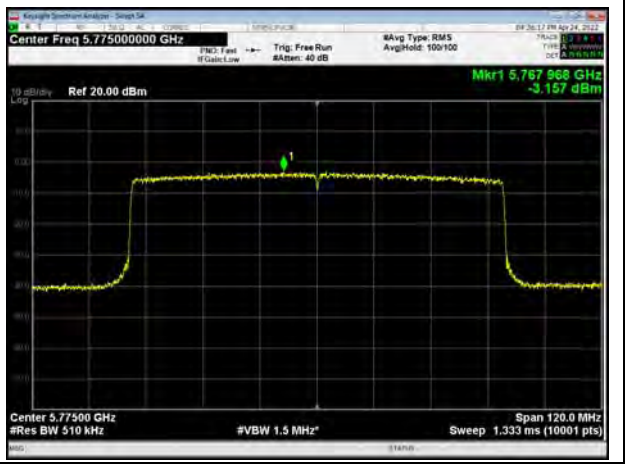
U-NII-3, 802.11ax HE40, Channel No.: 151

U-NII-3, 802.11ax HE20, Channel No.: 157



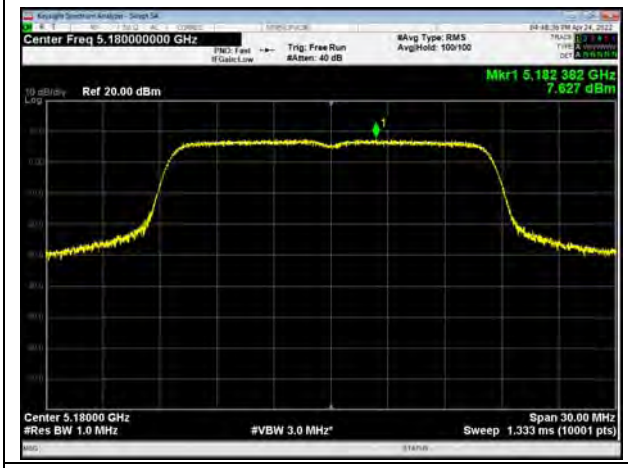
U-NII-3, 802.11ax HE40, Channel No.: 159



U-NII-3, 802.11ax HE20, Channel No.: 165	U-NII-3, 802.11ax HE80, Channel No.: 155
	

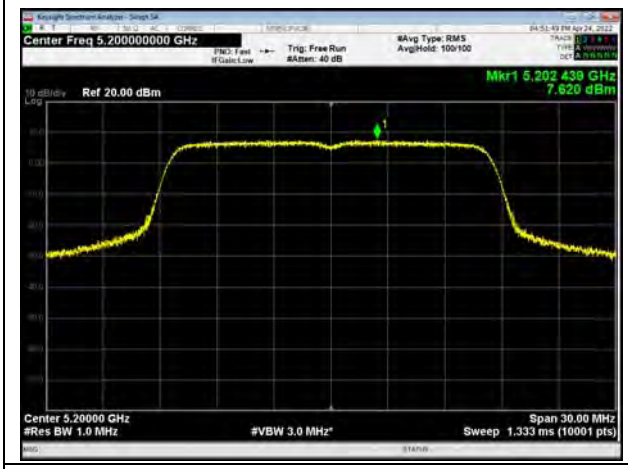
SISO Antenna 2

U-NII-1, 802.11a, Channel No.: 36

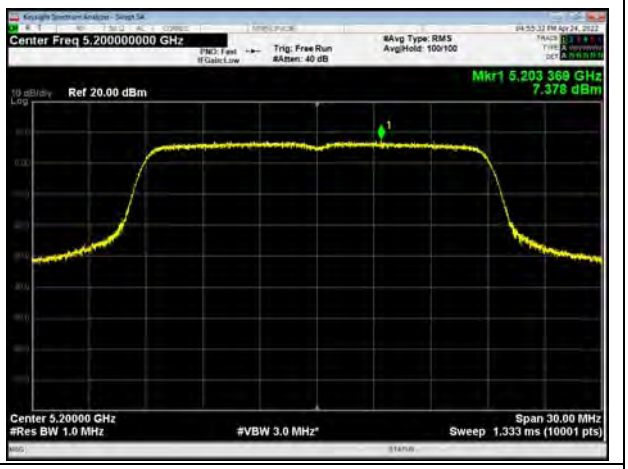


U-NII-1, 802.11n HT20, Channel No.: 36

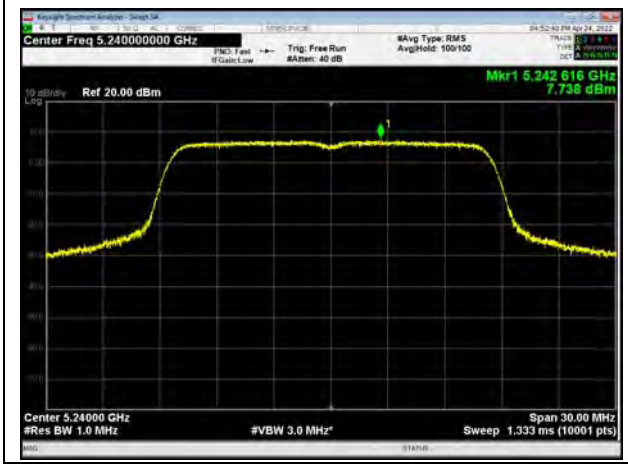
U-NII-1, 802.11a, Channel No.: 40



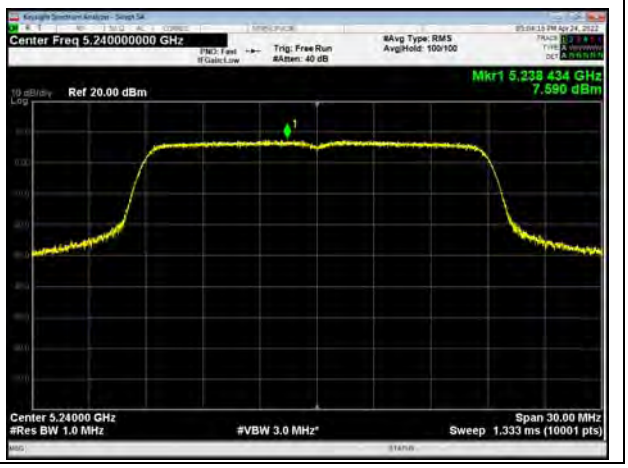
U-NII-1, 802.11n HT20, Channel No.: 40



U-NII-1, 802.11a, Channel No.: 48

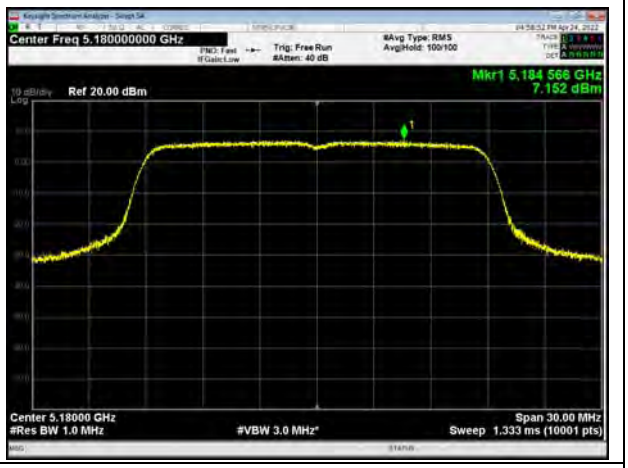


U-NII-1, 802.11n HT20, Channel No.: 48



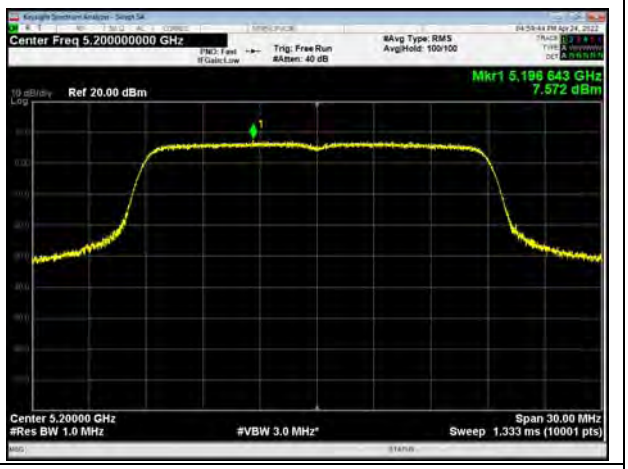
U-NII-1, 802.11n HT40, Channel No.: 38

U-NII-1, 802.11ac VHT20, Channel No.: 36



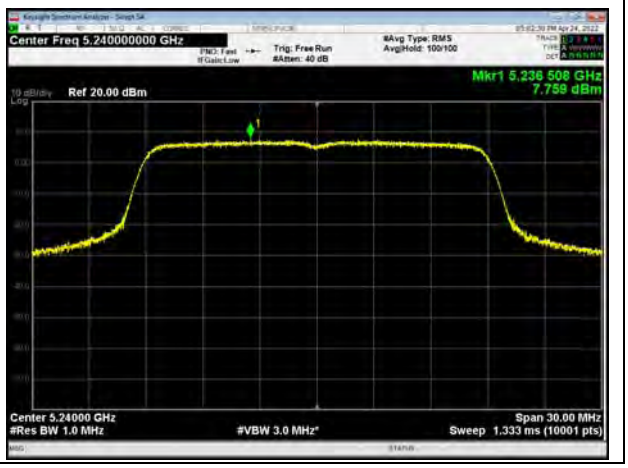
U-NII-1, 802.11n HT40, Channel No.: 46

U-NII-1, 802.11ac VHT20, Channel No.: 40

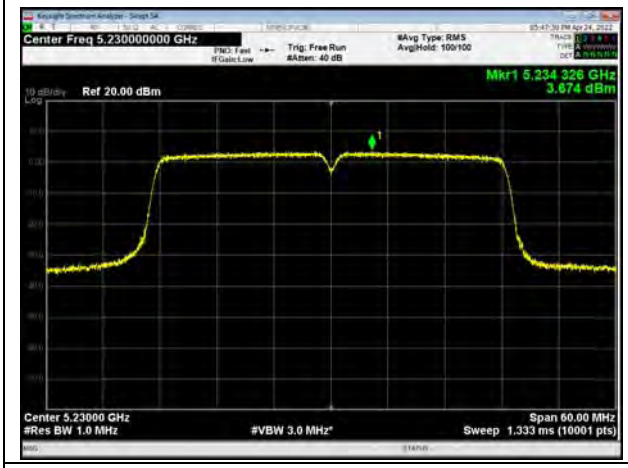


U-NII-1, 802.11ac VHT40, Channel No.: 38

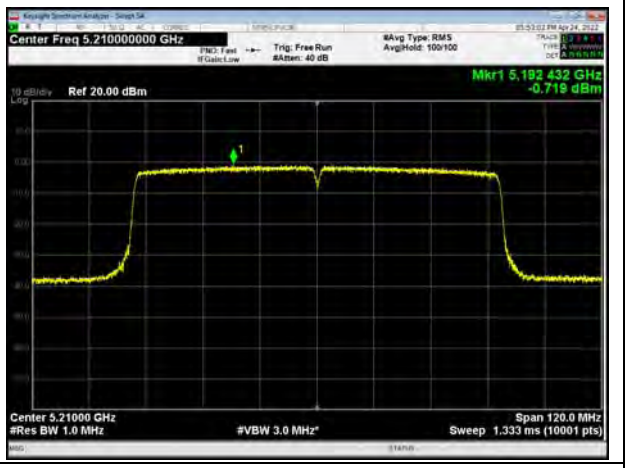
U-NII-1, 802.11ac VHT20, Channel No.: 48



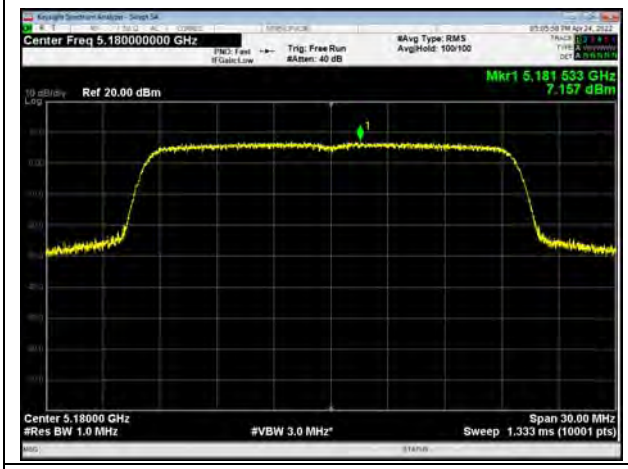
U-NII-1, 802.11ac VHT40, Channel No.: 46



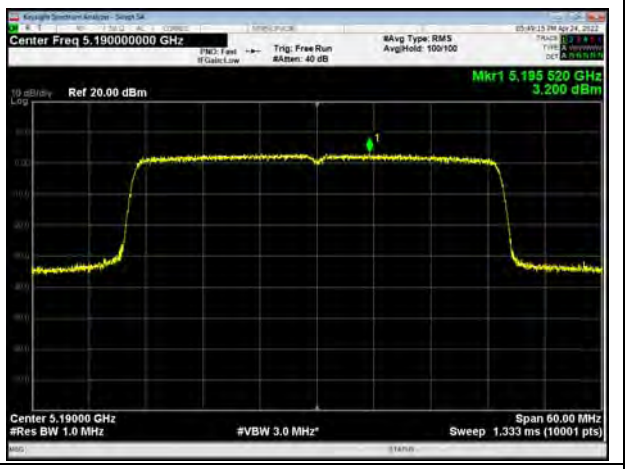
U-NII-1, 802.11ac VHT80, Channel No.: 42



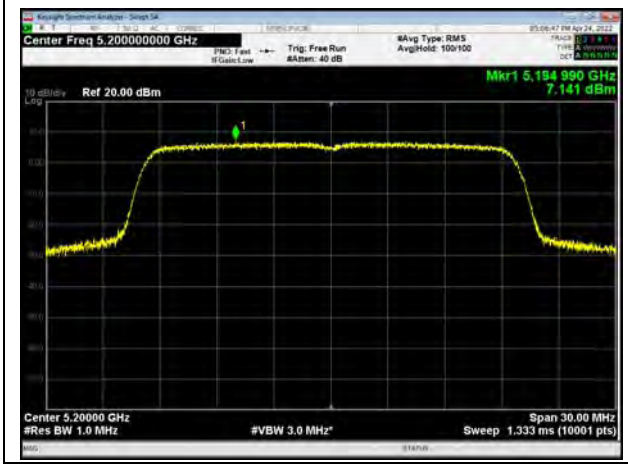
U-NII-1, 802.11ax HE20, Channel No.: 36



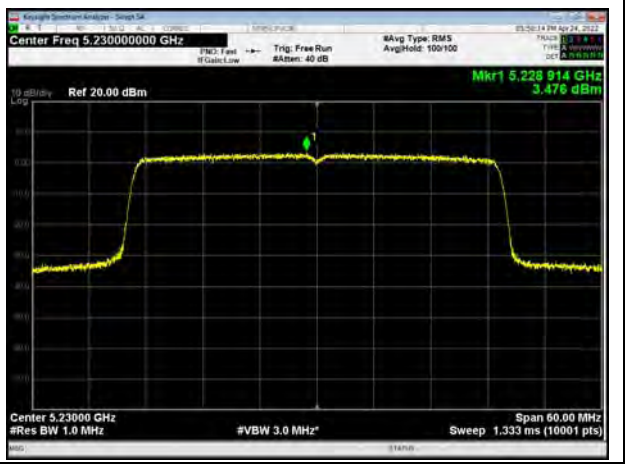
U-NII-1, 802.11ax HE40, Channel No.: 38



U-NII-1, 802.11ax HE20, Channel No.: 40

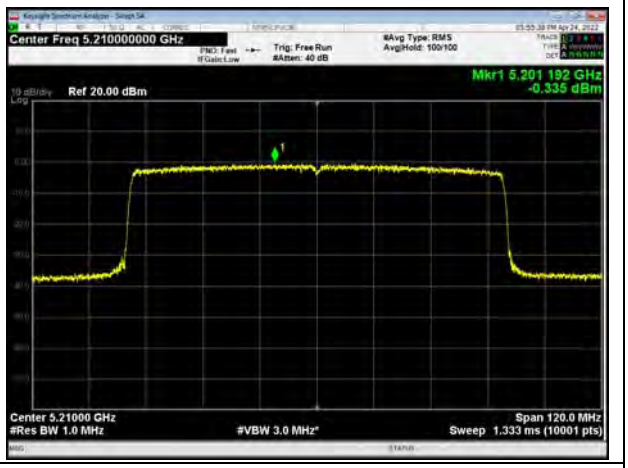


U-NII-1, 802.11ax HE40, Channel No.: 46



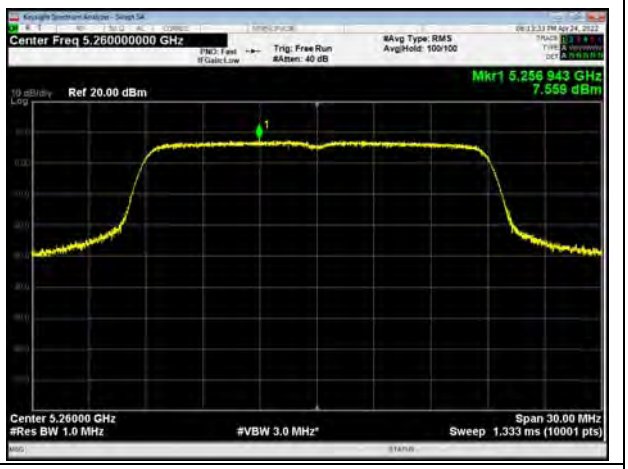
U-NII-1, 802.11ax HE20, Channel No.: 48

U-NII-1, 802.11ax HE80, Channel No.: 42

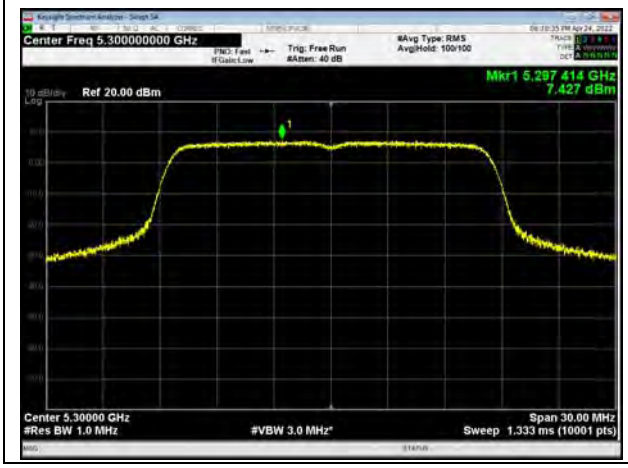


U-NII-2A, 802.11a, Channel No.: 52

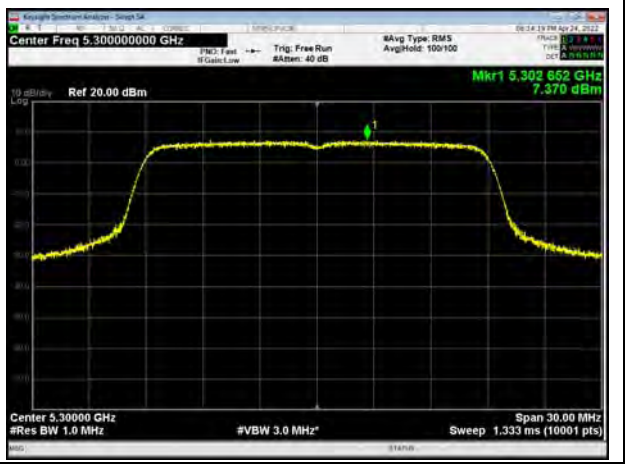
U-NII-2A, 802.11n HT20, Channel No.: 52



U-NII-2A, 802.11a, Channel No.: 60



U-NII-2A, 802.11n HT20, Channel No.: 60

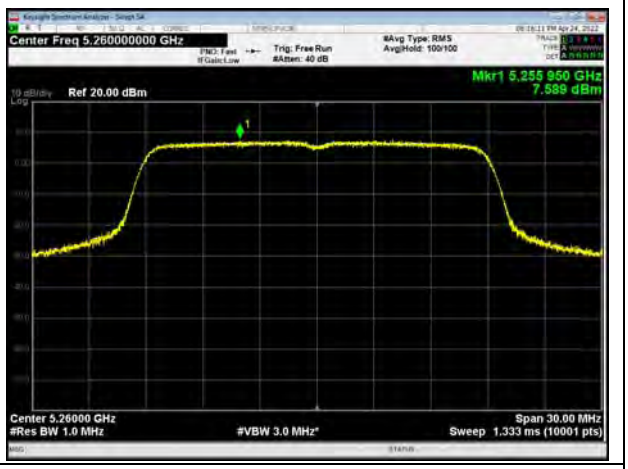


U-NII-2A, 802.11a, Channel No.: 64

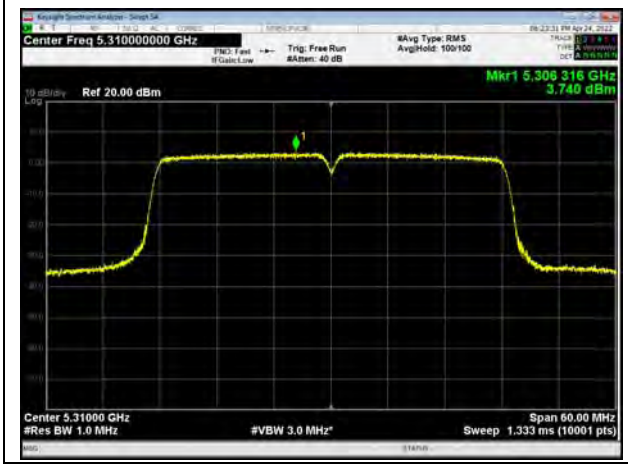
U-NII-2A, 802.11n HT20, Channel No.: 64

U-NII-2A, 802.11n HT40, Channel No.: 54

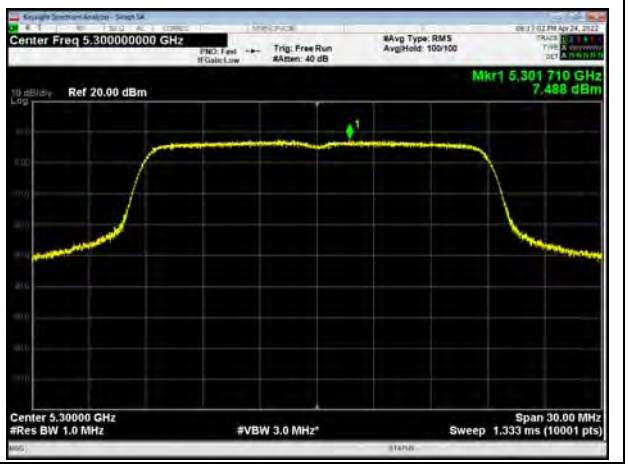
U-NII-2A, 802.11ac VHT20, Channel No.:52



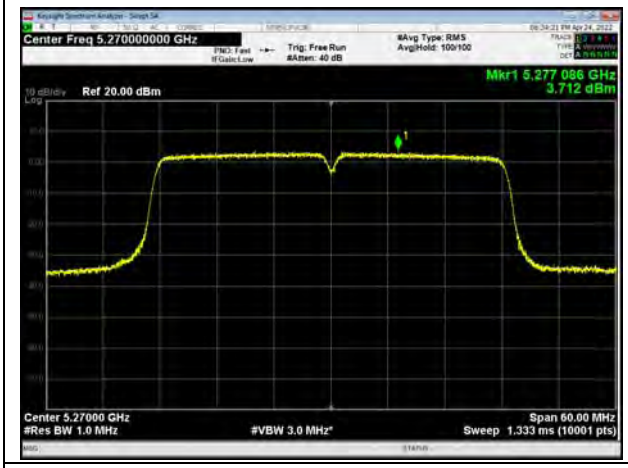
U-NII-2A, 802.11n HT40, Channel No.: 62



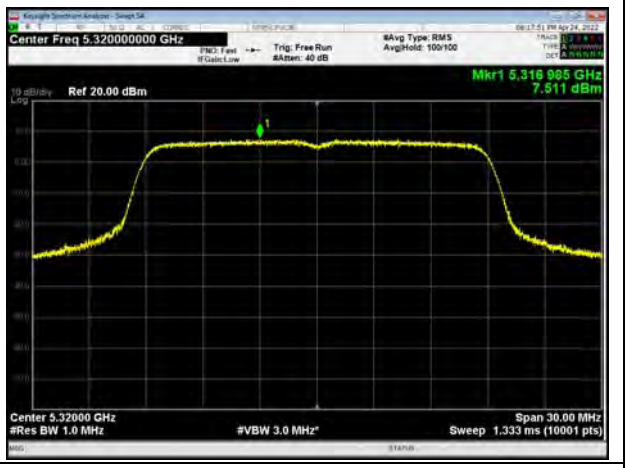
U-NII-2A, 802.11ac VHT20, Channel No.: 60



U-NII-2A, 802.11ac VHT40, Channel No.: 54

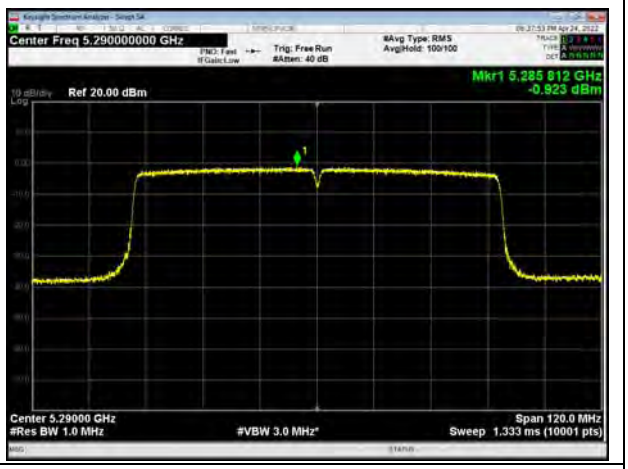


U-NII-2A, 802.11ac VHT20, Channel No.: 64



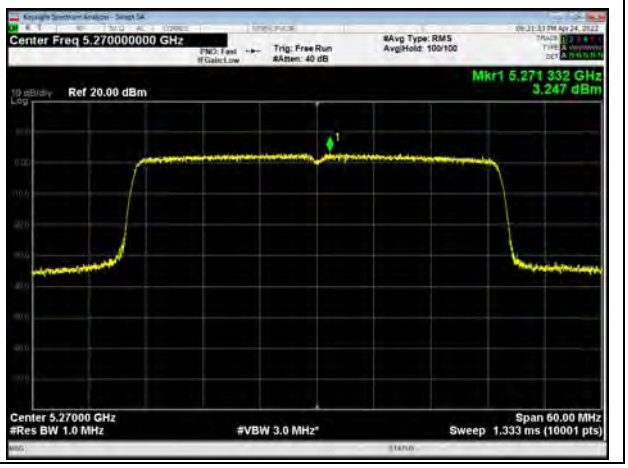
U-NII-2A, 802.11ac VHT40, Channel No.: 62

U-NII-2A, 802.11ac VHT80, Channel No.: 58



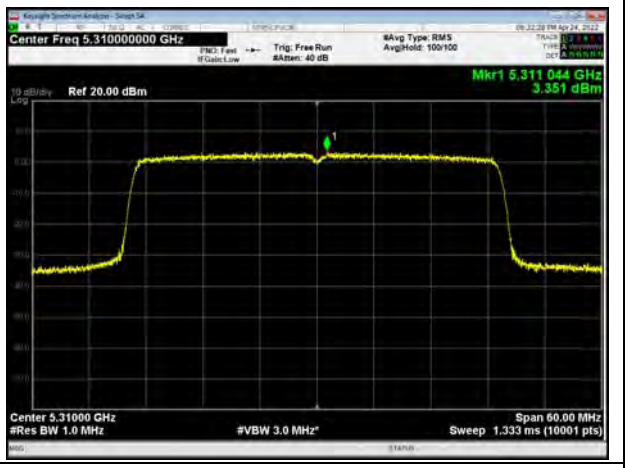
U-NII-2A, 802.11ax HE20, Channel No.:52

U-NII-2A, 802.11ax HE40, Channel No.: 54

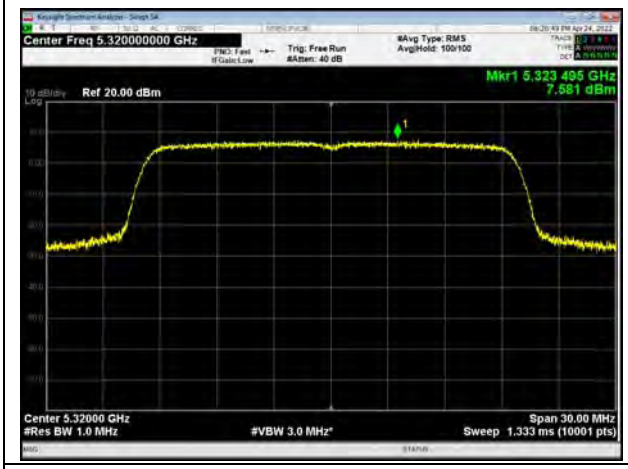


U-NII-2A, 802.11ax HE20, Channel No.: 60

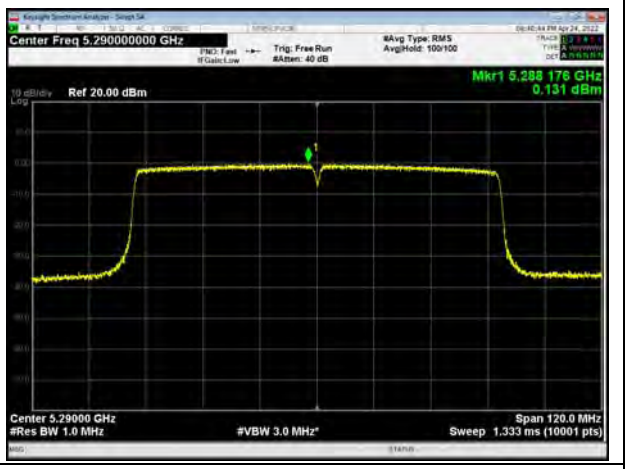
U-NII-2A, 802.11ax HE40, Channel No.: 62



U-NII-2A, 802.11ax HE20, Channel No.: 64

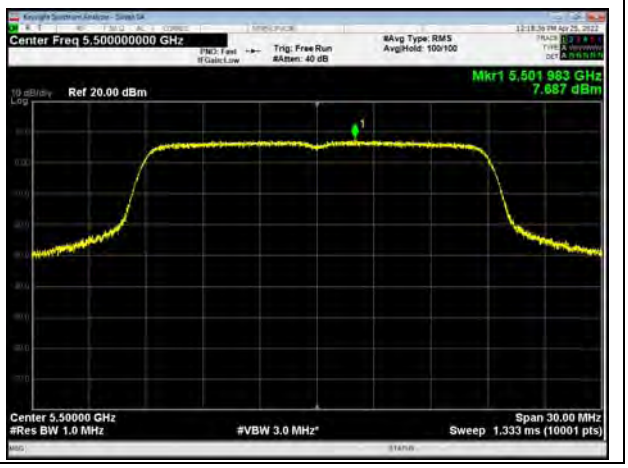


U-NII-2A, 802.11ax HE80, Channel No.: 58

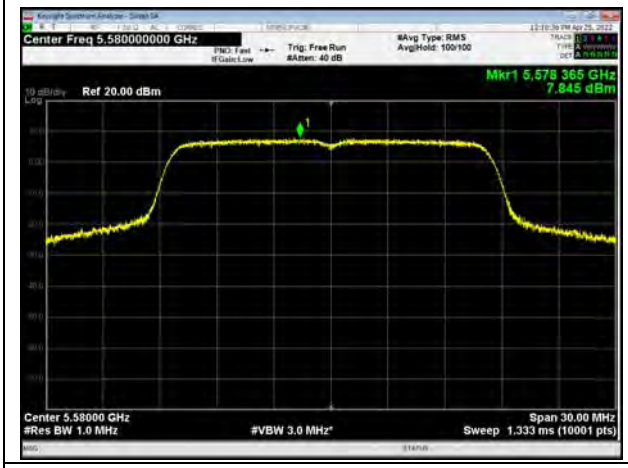


U-NII-2C, 802.11a, Channel No.: 100

U-NII-2C, 802.11n HT20, Channel No.: 100

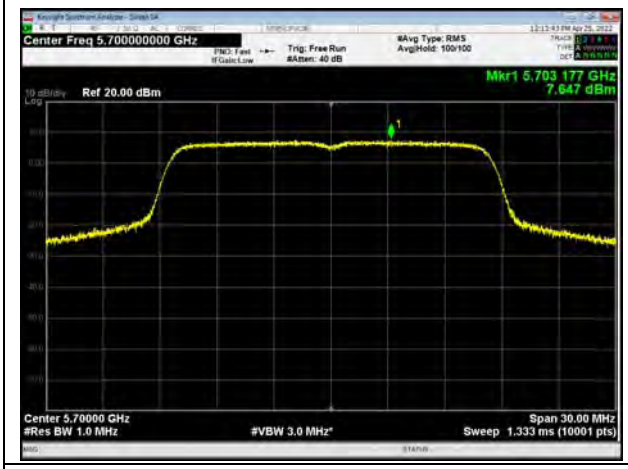


U-NII-2C, 802.11a, Channel No.: 116

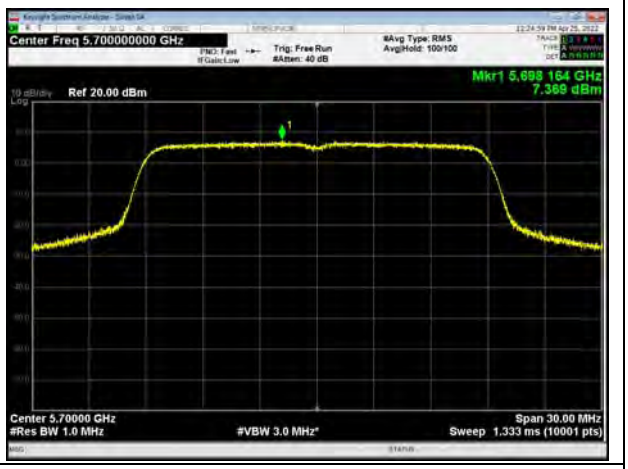


U-NII-2C, 802.11n HT20, Channel No.: 116

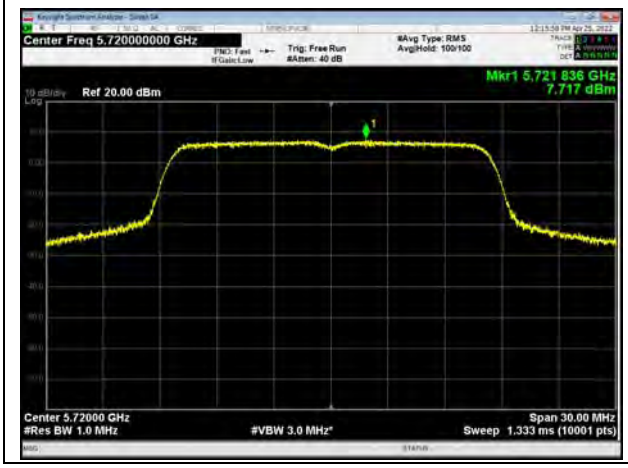
U-NII-2C, 802.11a, Channel No.: 140



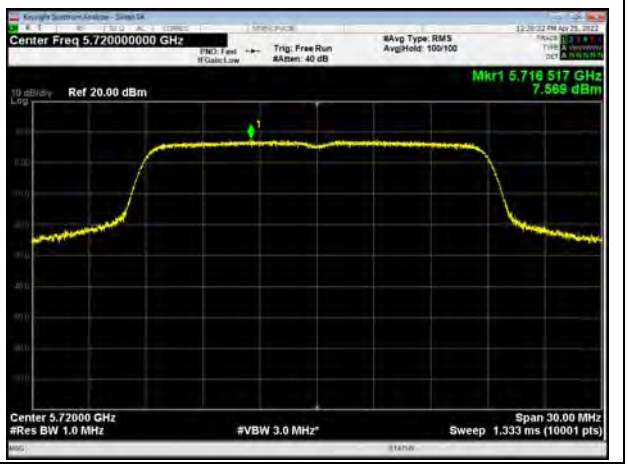
U-NII-2C, 802.11n HT20, Channel No.: 140



U-NII-2C, 802.11a, Channel No.: 144

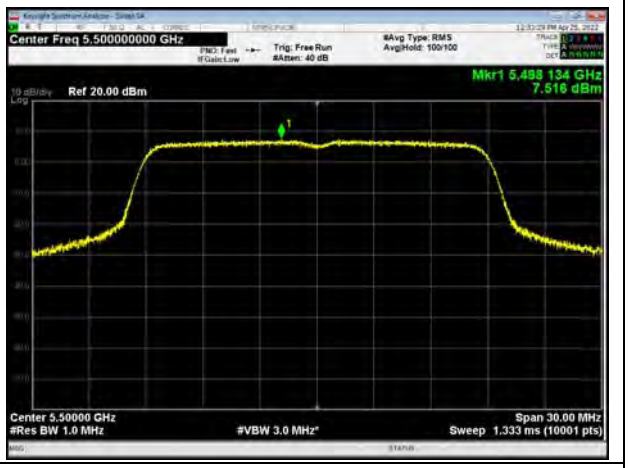


U-NII-2C, 802.11n HT20, Channel No.: 144



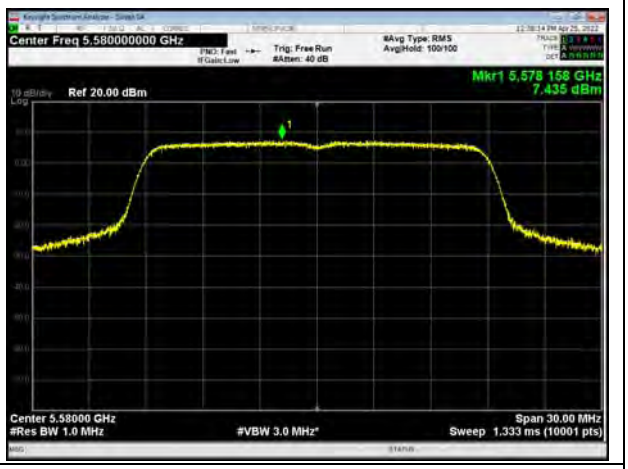
U-NII-2C, 802.11n HT40, Channel No.: 102

U-NII-2C, 802.11ac VHT20, Channel No.: 100

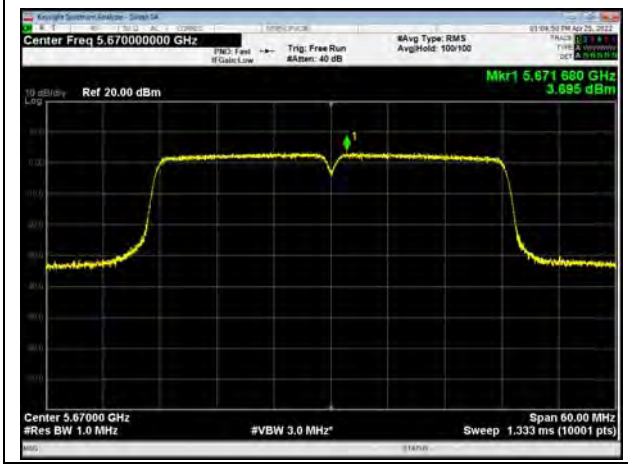


U-NII-2C, 802.11n HT40, Channel No.: 110

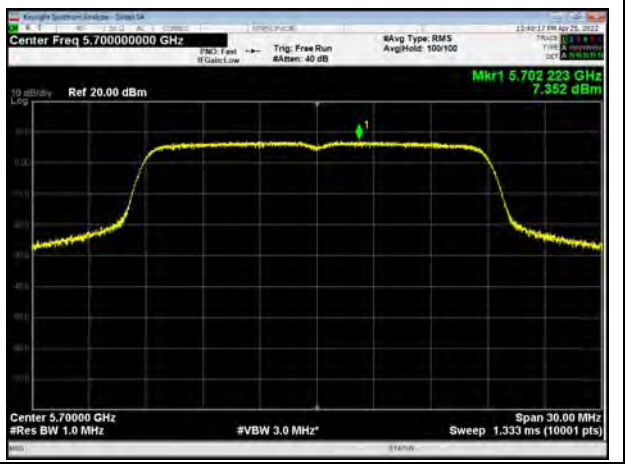
U-NII-2C, 802.11ac VHT20, Channel No.: 116



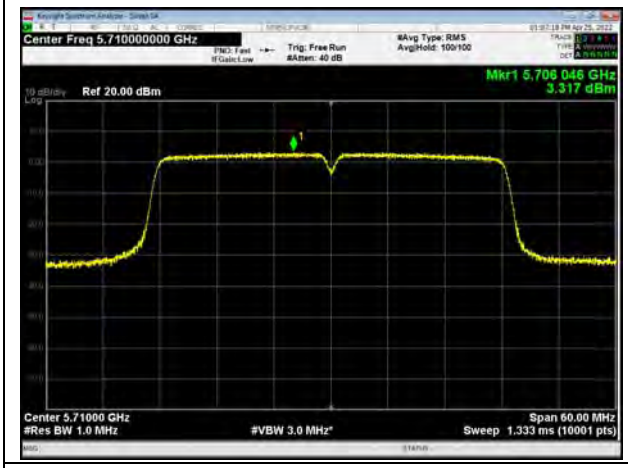
U-NII-2C, 802.11n HT40, Channel No.: 134



U-NII-2C, 802.11ac VHT20, Channel No.: 140



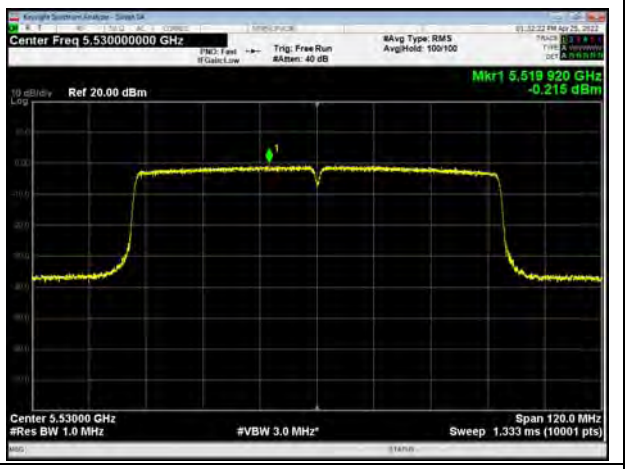
U-NII-2C, 802.11n HT40, Channel No.: 142



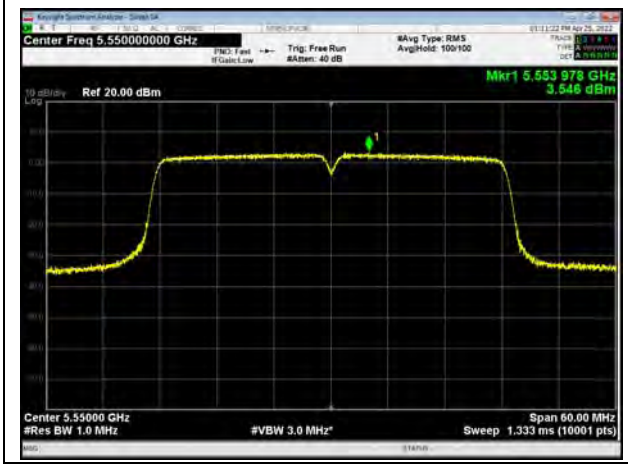
U-NII-2C, 802.11ac VHT20, Channel No.: 144

U-NII-2C, 802.11ac VHT40, Channel No.: 102

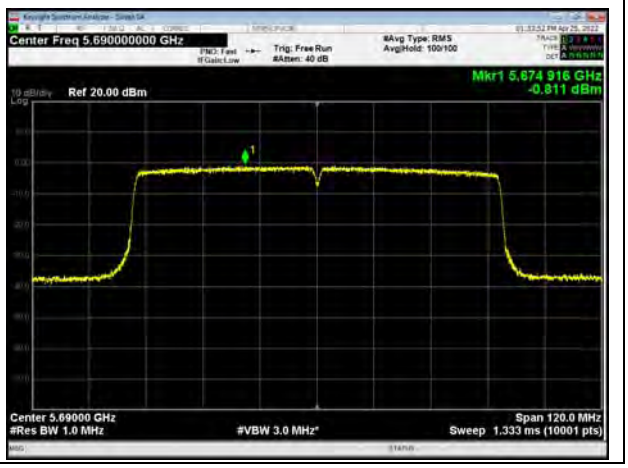
U-NII-2C, 802.11ac VHT80, Channel No.: 106



U-NII-2C, 802.11ac VHT40, Channel No.: 110

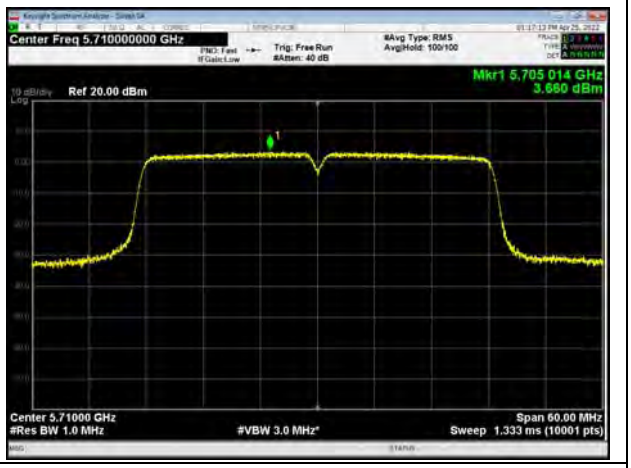


U-NII-2C, 802.11ac VHT80, Channel No.: 138



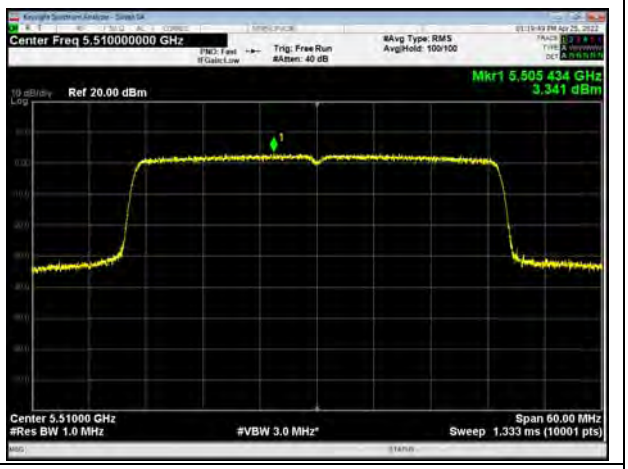
U-NII-2C, 802.11ac VHT40, Channel No.: 134

U-NII-2C, 802.11ac VHT40, Channel No.: 142

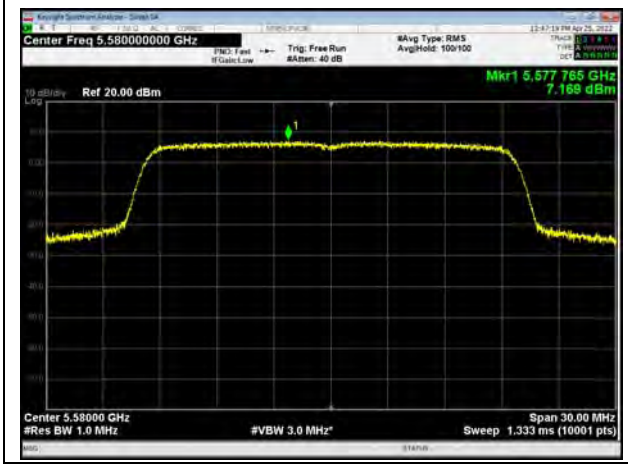


U-NII-2C, 802.11ax HE20, Channel No.: 100

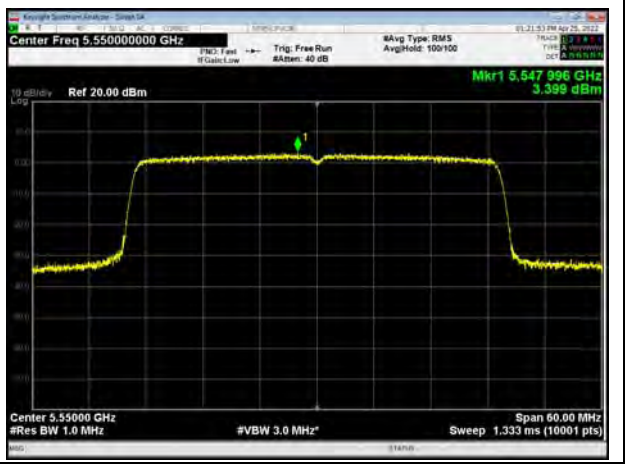
U-NII-2C, 802.11ax HE40, Channel No.: 102



U-NII-2C, 802.11ax HE20, Channel No.: 116



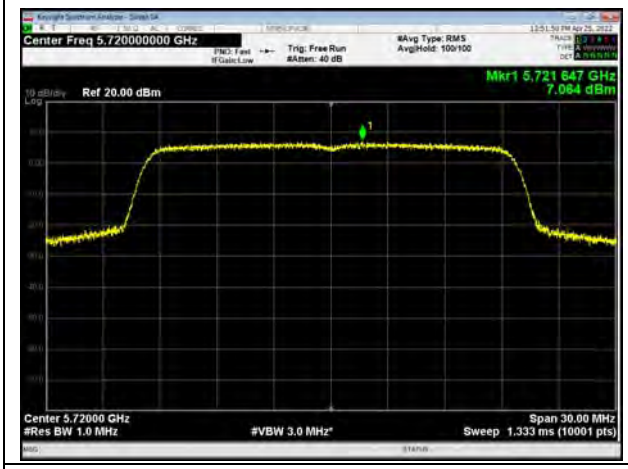
U-NII-2C, 802.11ax HE40, Channel No.: 110



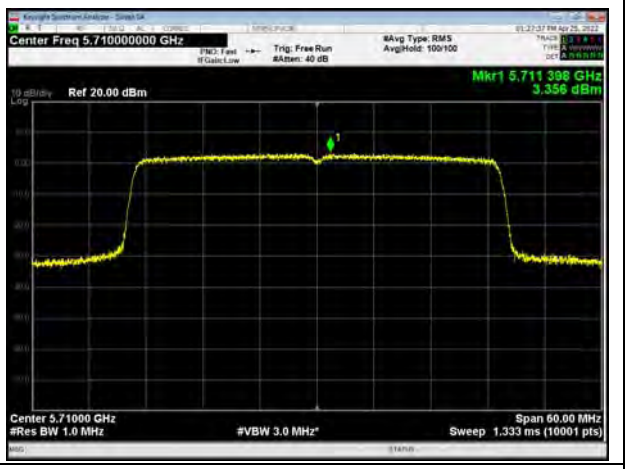
U-NII-2C, 802.11ax HE20, Channel No.: 140

U-NII-2C, 802.11ax HE40, Channel No.: 134

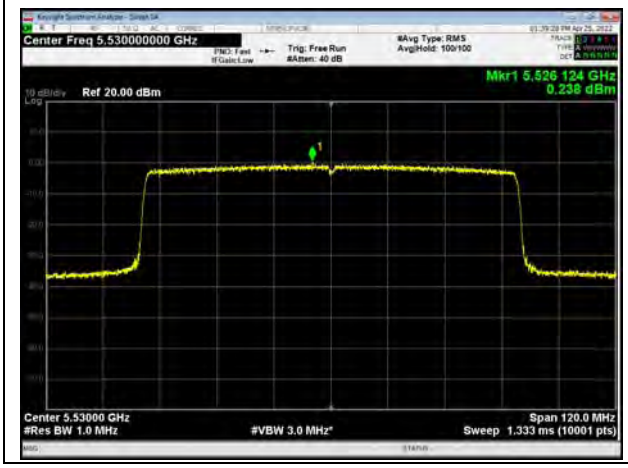
U-NII-2C, 802.11ax HE20, Channel No.: 144



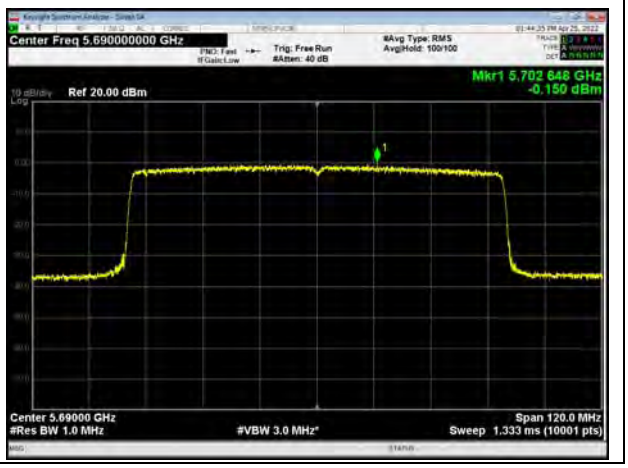
U-NII-2C, 802.11ax HE40, Channel No.: 142



U-NII-2C, 802.11ax HE80, Channel No.: 106

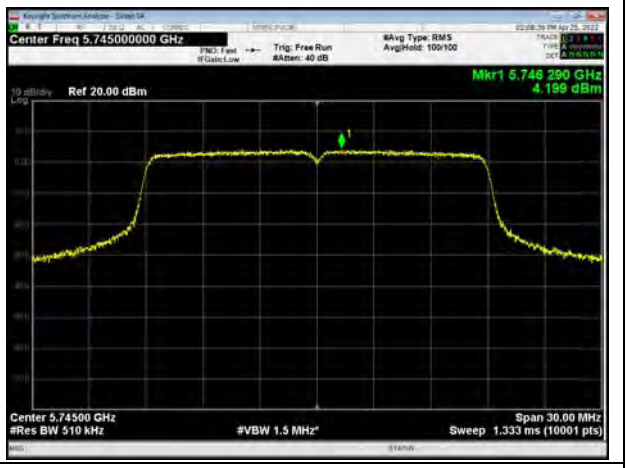


U-NII-2C, 802.11ax HE80, Channel No.: 138

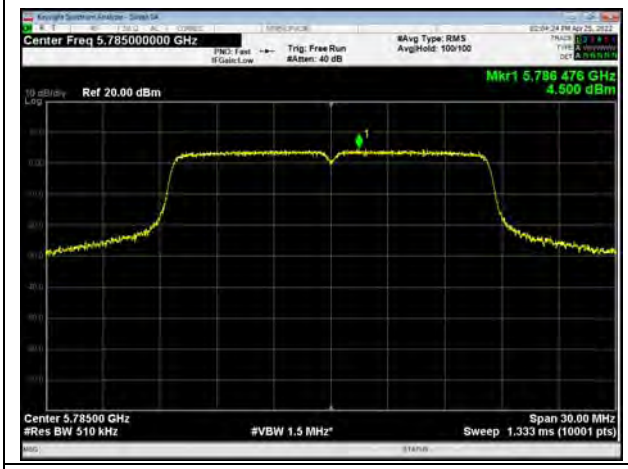


U-NII-3, 802.11a, Channel No.: 149

U-NII-3, 802.11n HT20, Channel No.: 149

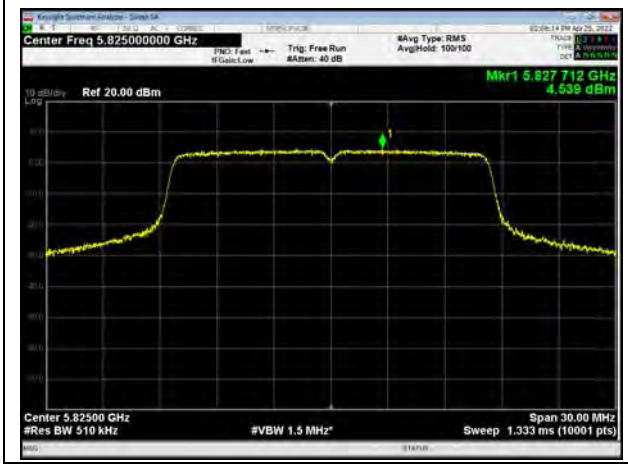


U-NII-3, 802.11a, Channel No.: 157

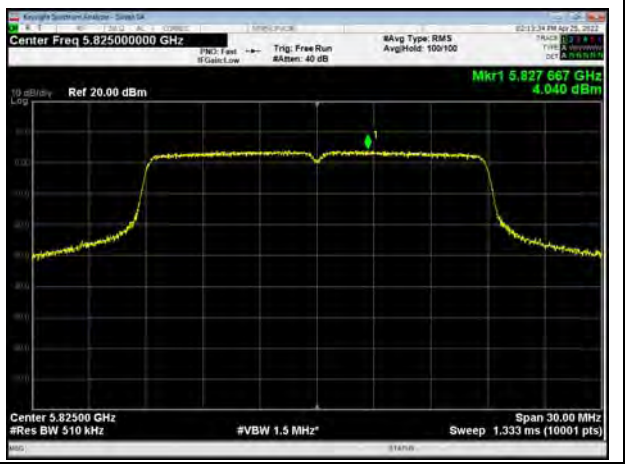


U-NII-3, 802.11n HT20, Channel No.: 157

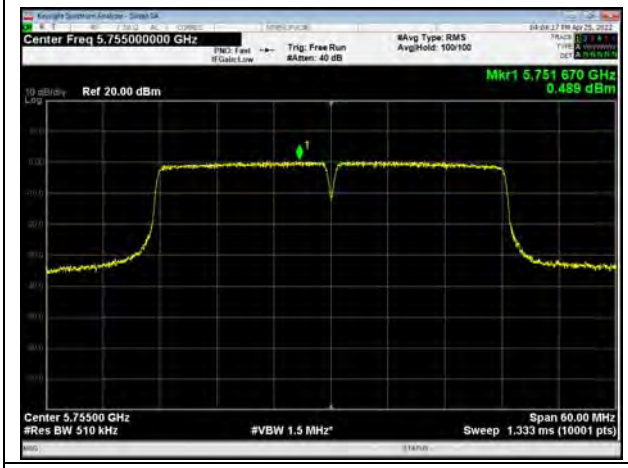
U-NII-3, 802.11a, Channel No.: 165



U-NII-3, 802.11n HT20, Channel No.: 165

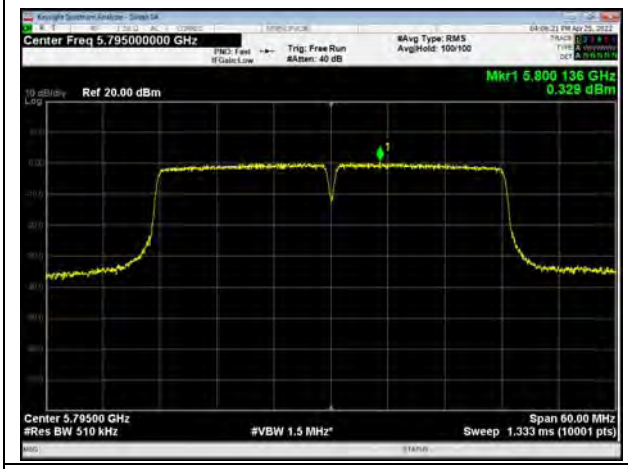


U-NII-3, 802.11n HT40, Channel No.: 151

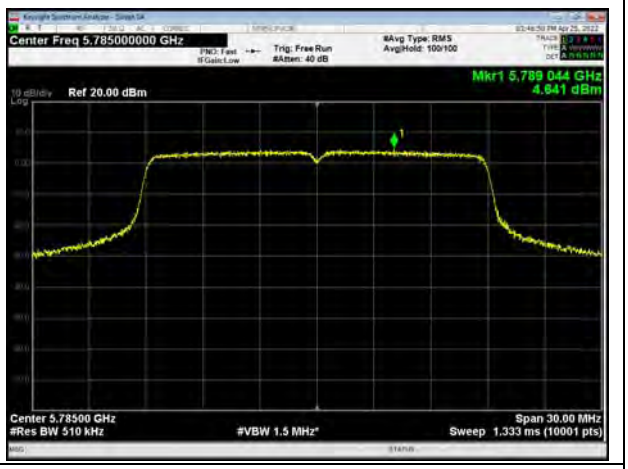


U-NII-3, 802.11ac VHT20, Channel No.: 149

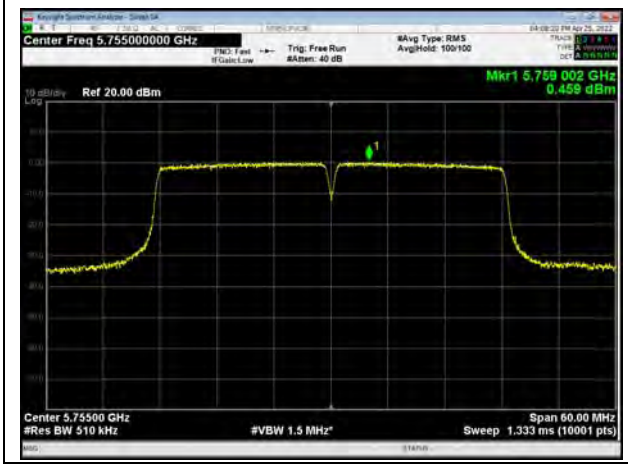
U-NII-3, 802.11n HT40, Channel No.: 159



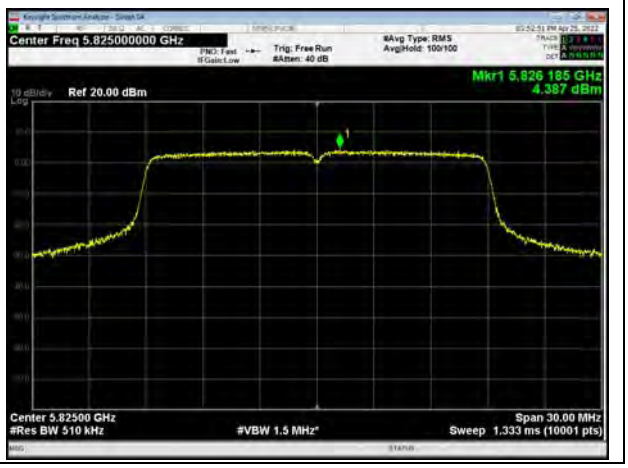
U-NII-3, 802.11ac VHT20, Channel No.: 157



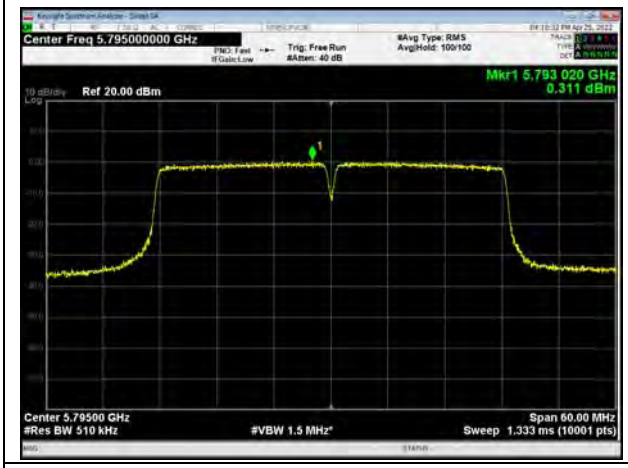
U-NII-3, 802.11ac VHT40, Channel No.: 151



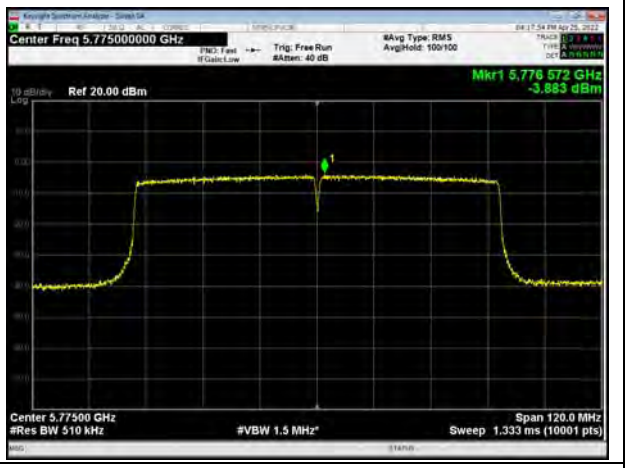
U-NII-3, 802.11ac VHT20, Channel No.: 165



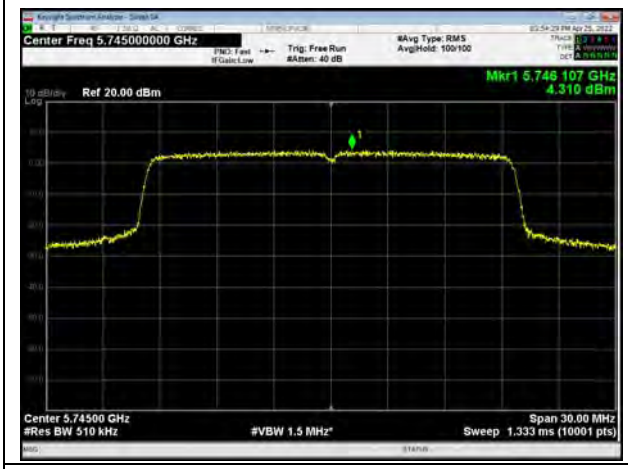
U-NII-3, 802.11ac VHT40, Channel No.: 159



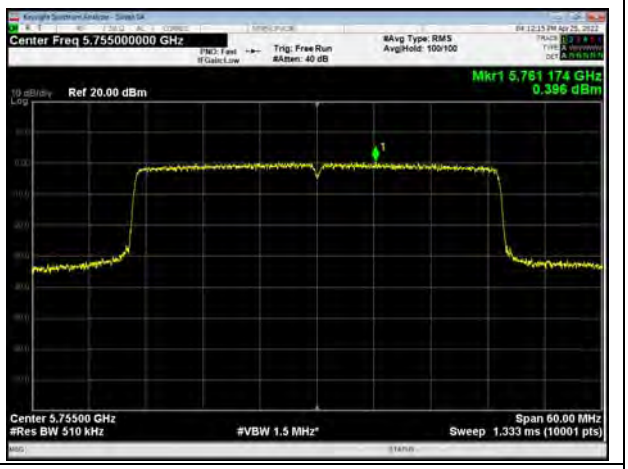
U-NII-3, 802.11ac VHT80, Channel No.: 155



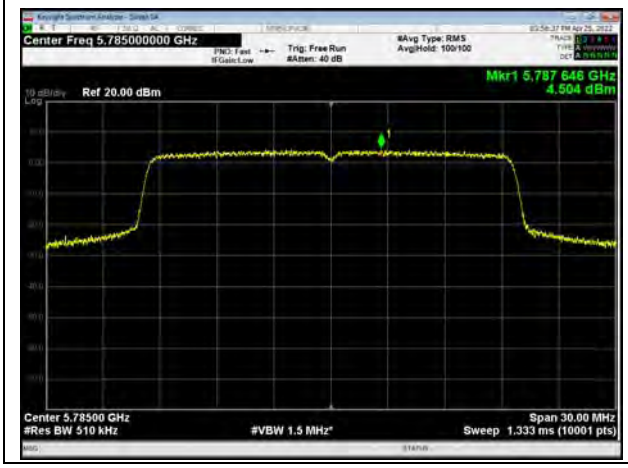
U-NII-3, 802.11ax HE20, Channel No.: 149



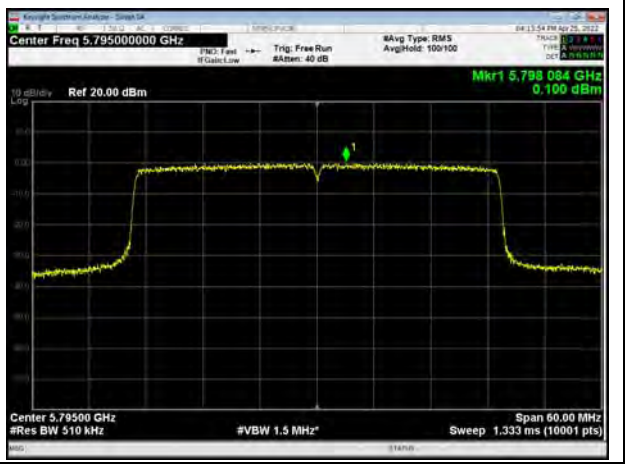
U-NII-3, 802.11ax HE40, Channel No.: 151

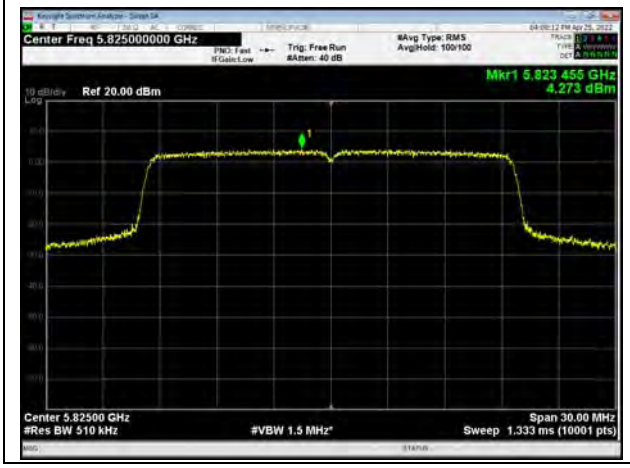
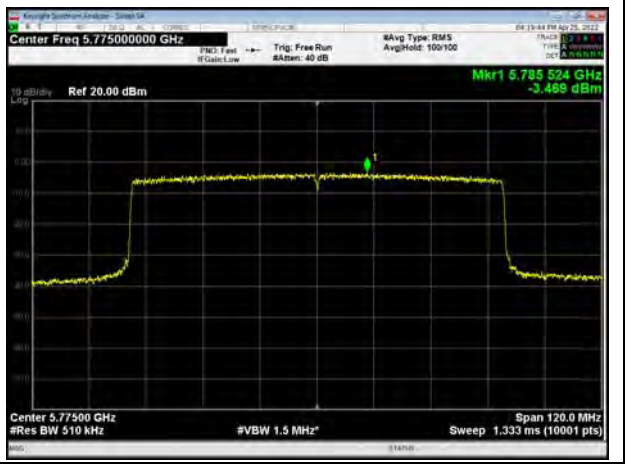


U-NII-3, 802.11ax HE20, Channel No.: 157



U-NII-3, 802.11ax HE40, Channel No.: 159



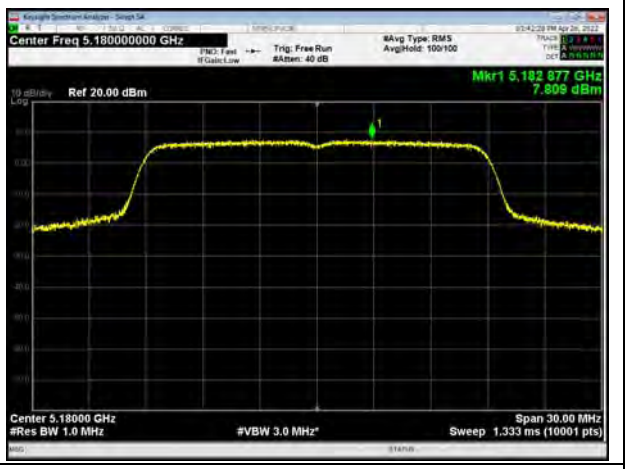
U-NII-3, 802.11ax HE20, Channel No.: 165	U-NII-3, 802.11ax HE80, Channel No.: 155
	

MIMO

Antenna 1

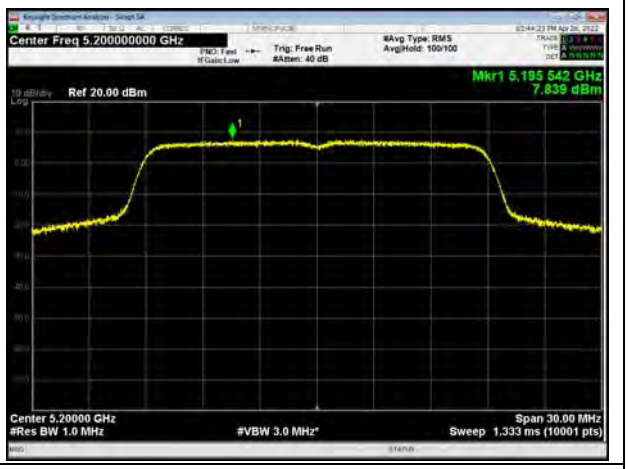
U-NII-1, 802.11a, Channel No.: 36

U-NII-1, 802.11n HT20, Channel No.: 36



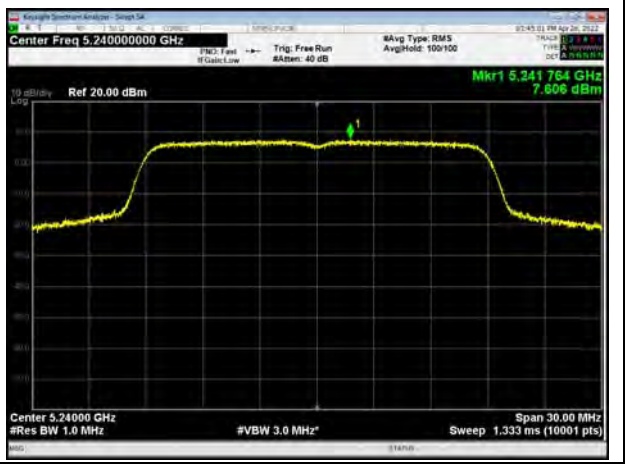
U-NII-1, 802.11a, Channel No.: 40

U-NII-1, 802.11n HT20, Channel No.: 40

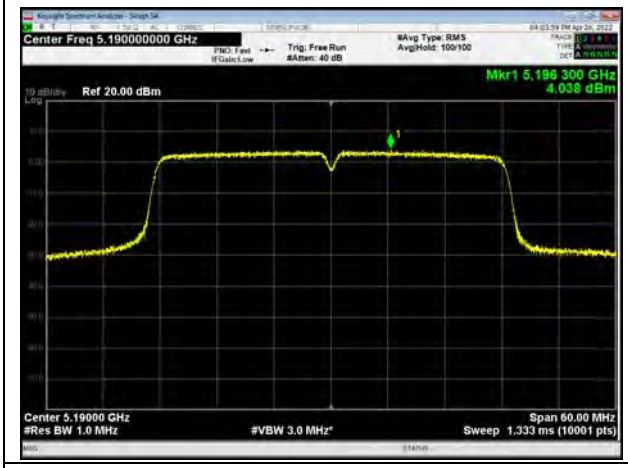


U-NII-1, 802.11a, Channel No.: 48

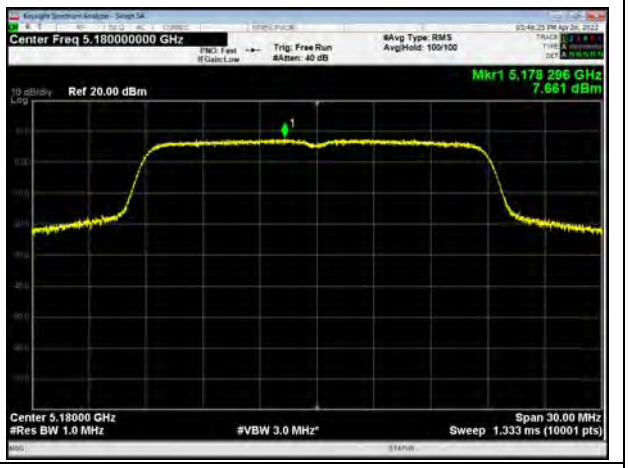
U-NII-1, 802.11n HT20, Channel No.: 48



U-NII-1, 802.11n HT40, Channel No.: 38

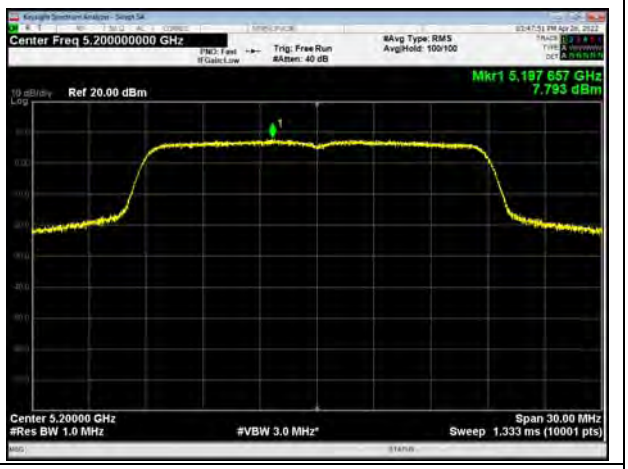


U-NII-1, 802.11ac VHT20, Channel No.: 36

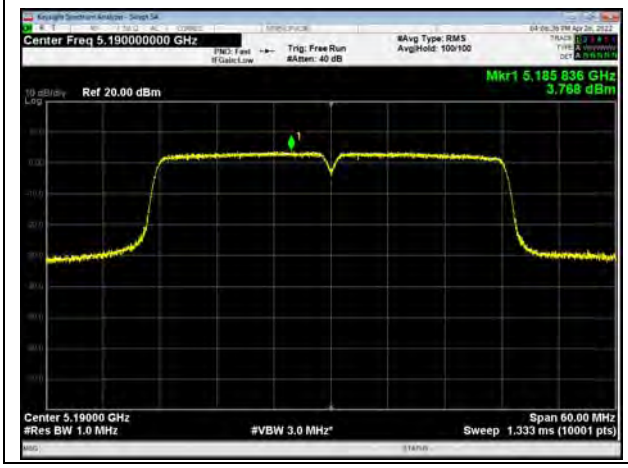


U-NII-1, 802.11n HT40, Channel No.: 46

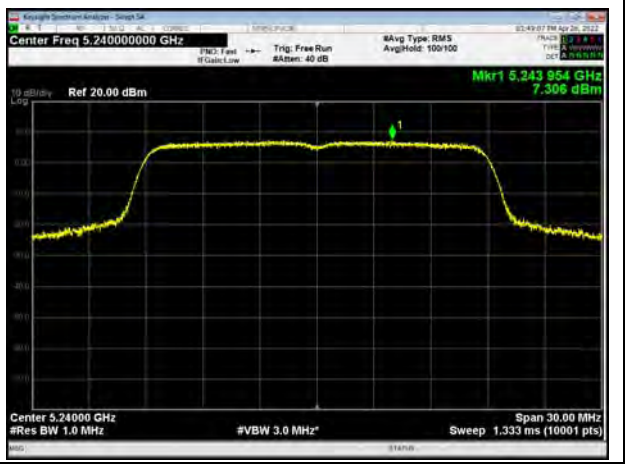
U-NII-1, 802.11ac VHT20, Channel No.: 40



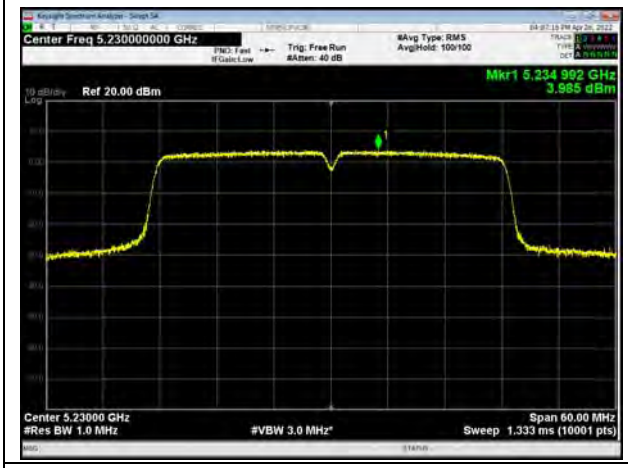
U-NII-1, 802.11ac VHT40, Channel No.: 38



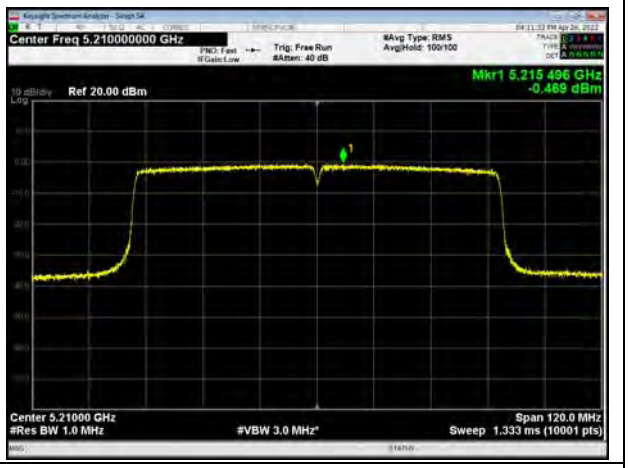
U-NII-1, 802.11ac VHT20, Channel No.: 48



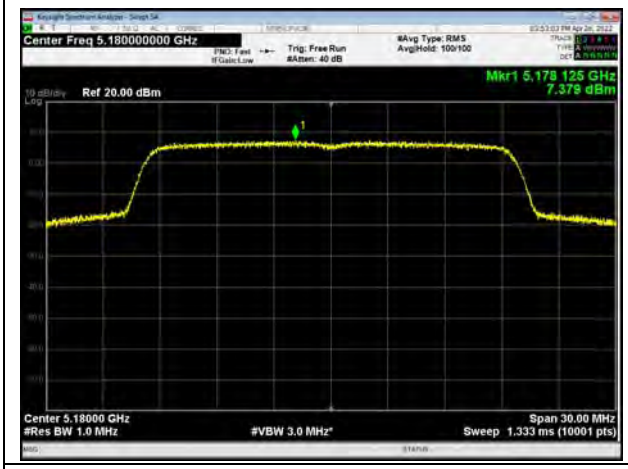
U-NII-1, 802.11ac VHT40, Channel No.: 46



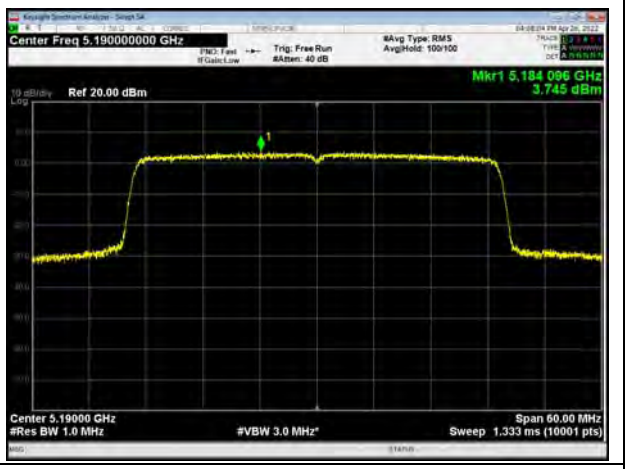
U-NII-1, 802.11ac VHT80, Channel No.: 42



U-NII-1, 802.11ax HE20, Channel No.: 36

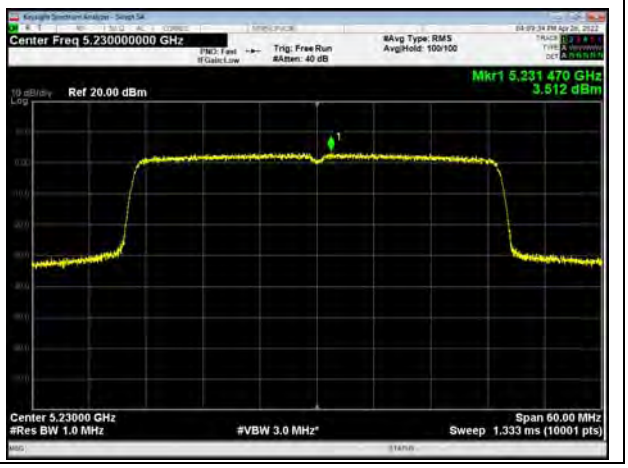


U-NII-1, 802.11ax HE40, Channel No.: 38



U-NII-1, 802.11ax HE20, Channel No.: 40

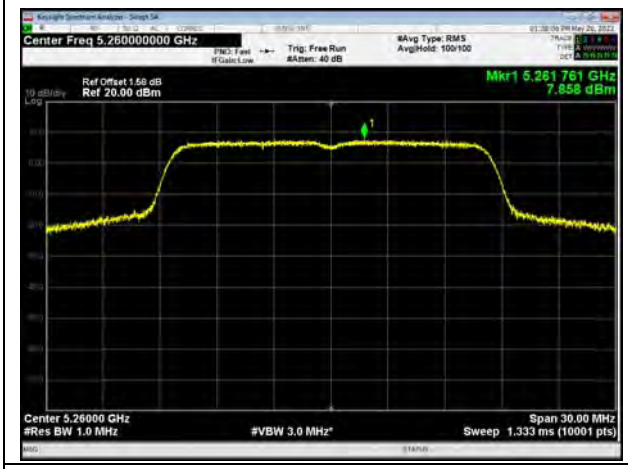
U-NII-1, 802.11ax HE40, Channel No.: 46



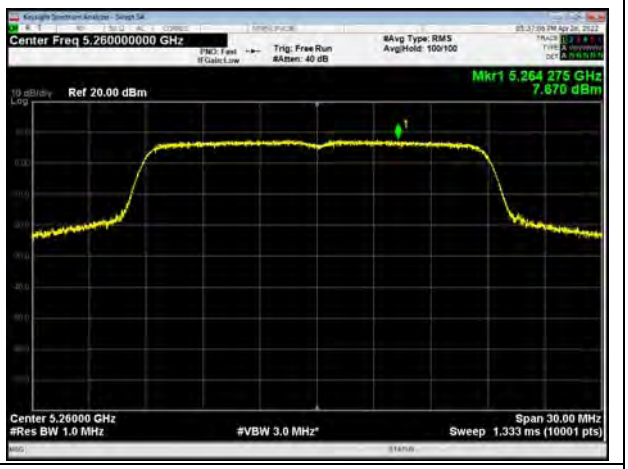
U-NII-1, 802.11ax HE20, Channel No.: 48

U-NII-1, 802.11ax HE80, Channel No.: 42

U-NII-2A, 802.11a, Channel No.: 52

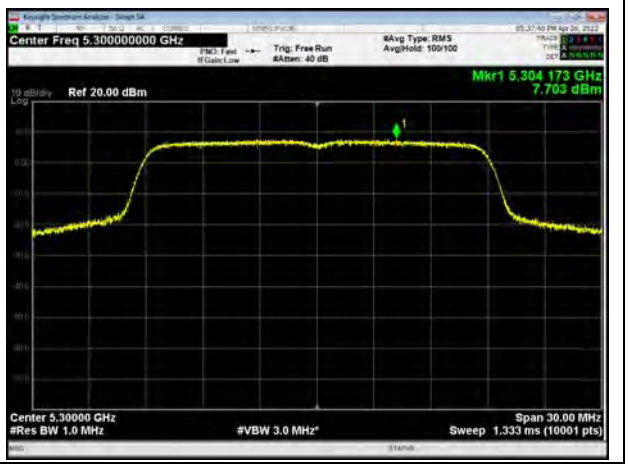


U-NII-2A, 802.11n HT20, Channel No.: 52

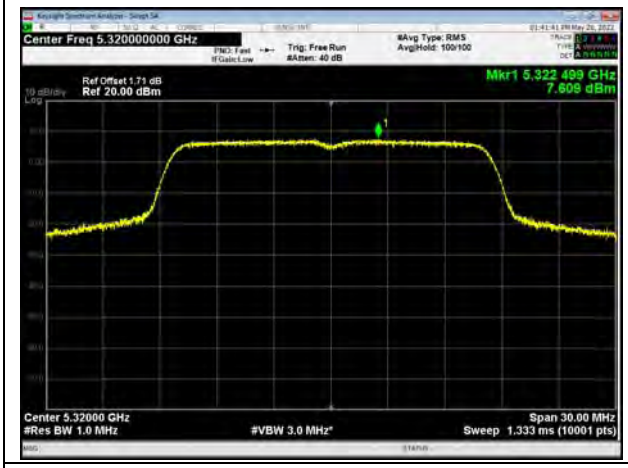


U-NII-2A, 802.11a, Channel No.: 60

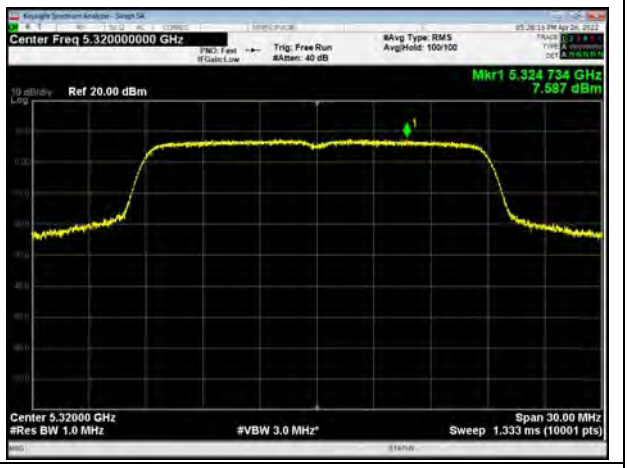
U-NII-2A, 802.11n HT20, Channel No.: 60



U-NII-2A, 802.11a, Channel No.: 64

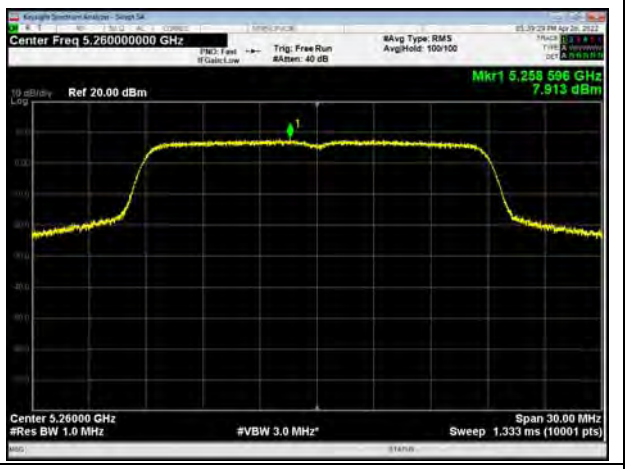


U-NII-2A, 802.11n HT20, Channel No.: 64

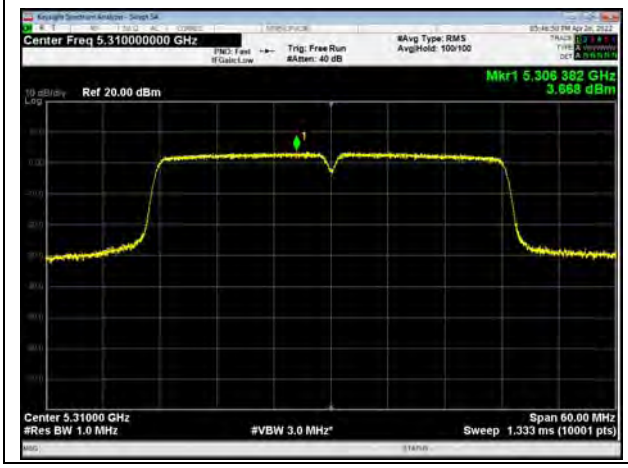


U-NII-2A, 802.11n HT40, Channel No.: 54

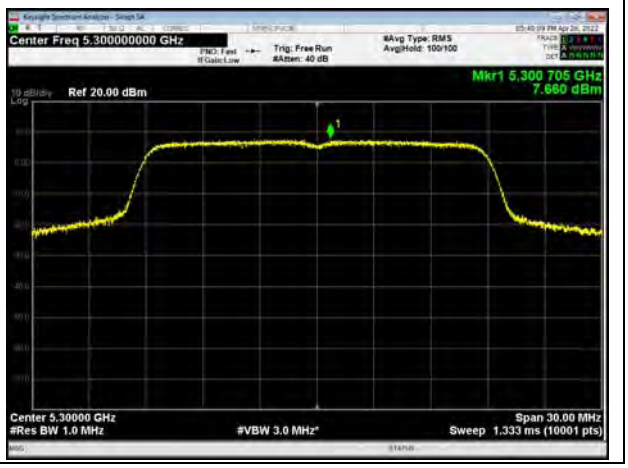
U-NII-2A, 802.11ac VHT20, Channel No.:52



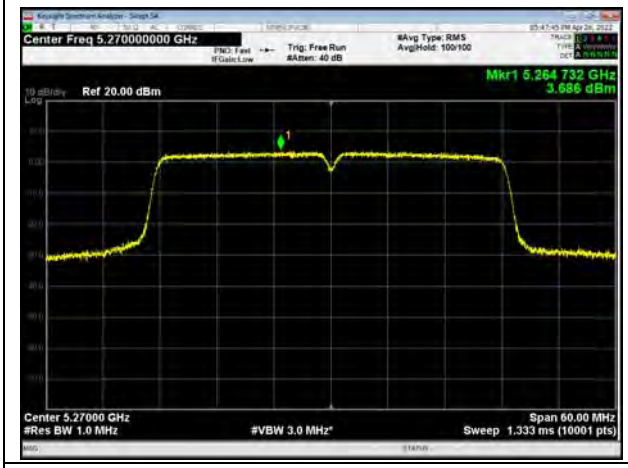
U-NII-2A, 802.11n HT40, Channel No.: 62



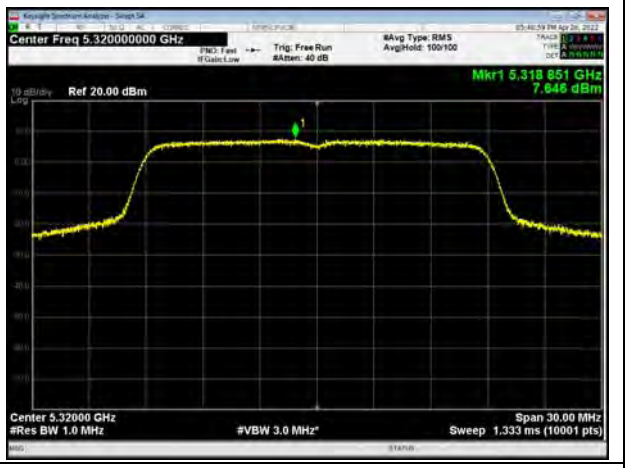
U-NII-2A, 802.11ac VHT20, Channel No.: 60



U-NII-2A, 802.11ac VHT40, Channel No.: 54

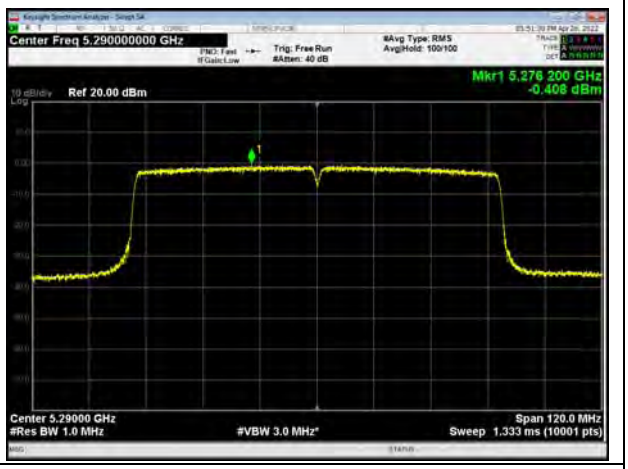


U-NII-2A, 802.11ac VHT20, Channel No.: 64

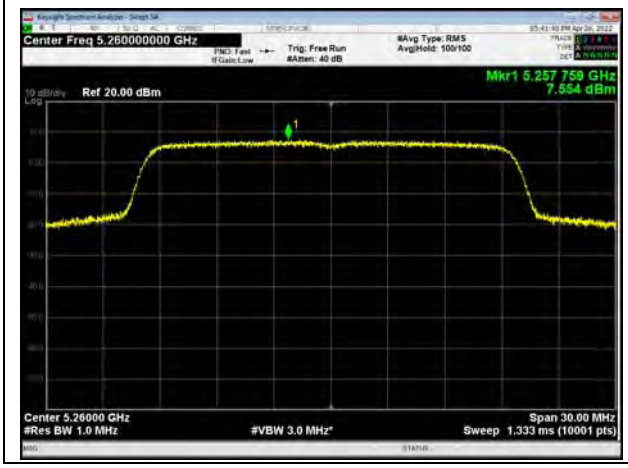


U-NII-2A, 802.11ac VHT40, Channel No.: 62

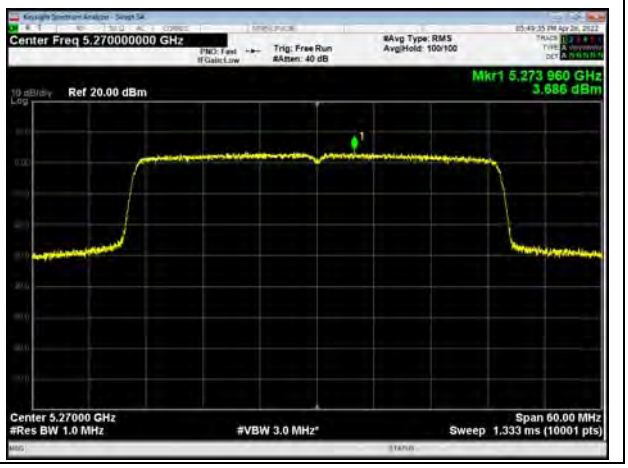
U-NII-2A, 802.11ac VHT80, Channel No.: 58



U-NII-2A, 802.11ax HE20, Channel No.:52



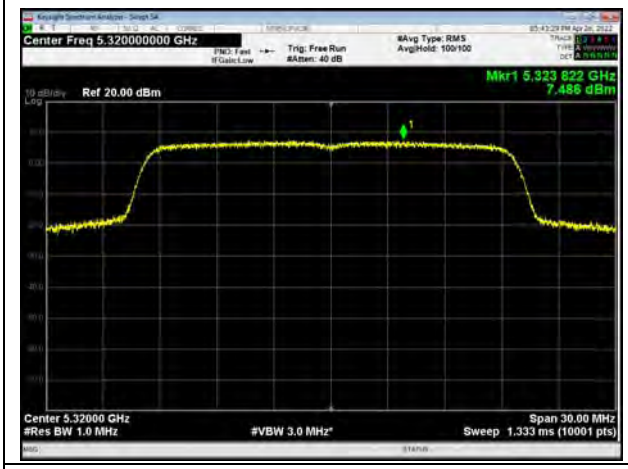
U-NII-2A, 802.11ax HE40, Channel No.: 54



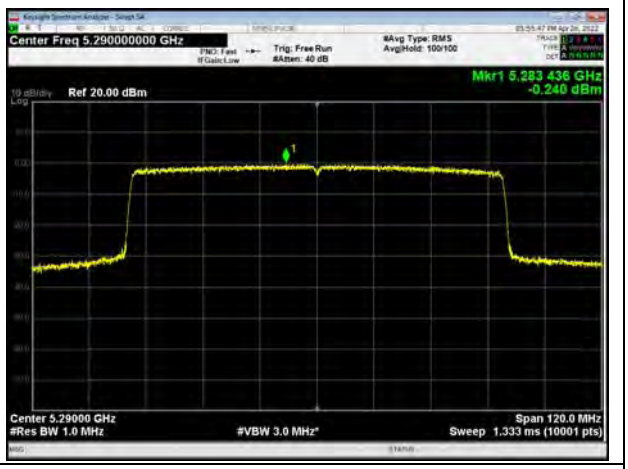
U-NII-2A, 802.11ax HE20, Channel No.: 60

U-NII-2A, 802.11ax HE40, Channel No.: 62

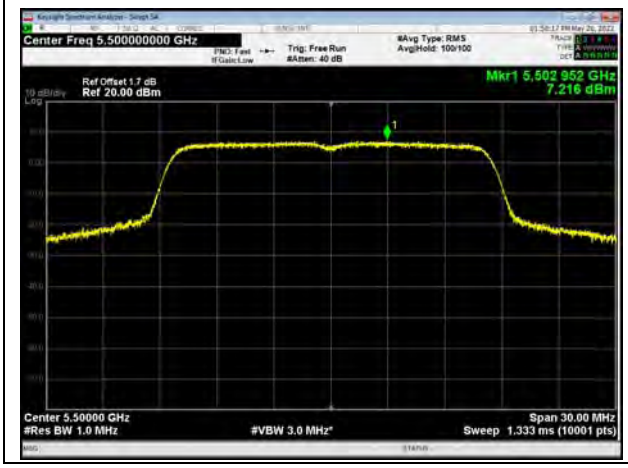
U-NII-2A, 802.11ax HE20, Channel No.: 64



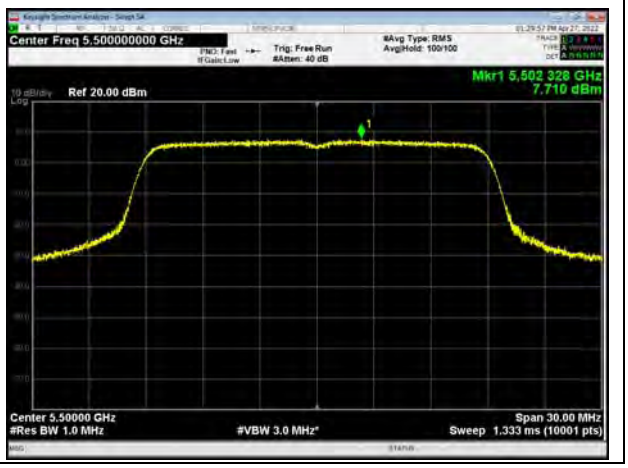
U-NII-2A, 802.11ax HE80, Channel No.: 58



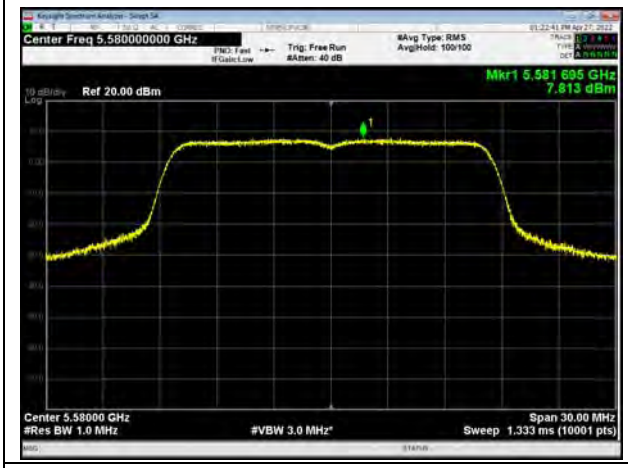
U-NII-2C, 802.11a, Channel No.: 100



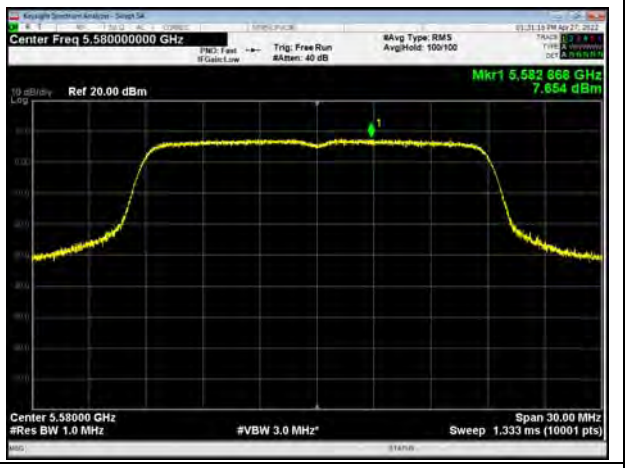
U-NII-2C, 802.11n HT20, Channel No.: 100



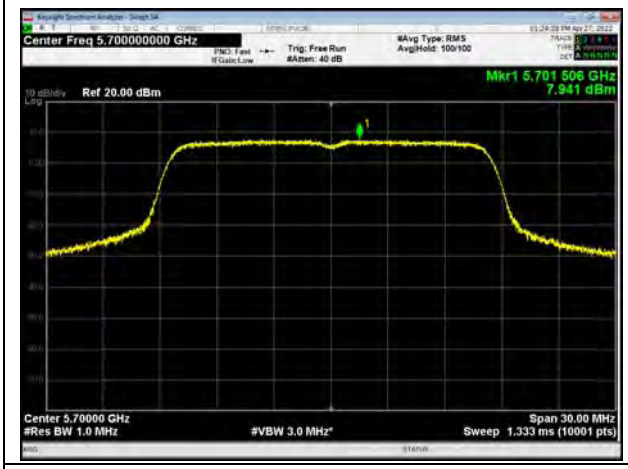
U-NII-2C, 802.11a, Channel No.: 116



U-NII-2C, 802.11n HT20, Channel No.: 116

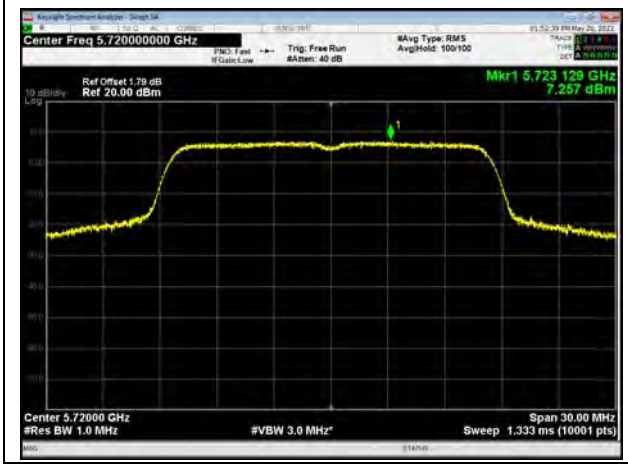


U-NII-2C, 802.11a, Channel No.: 140

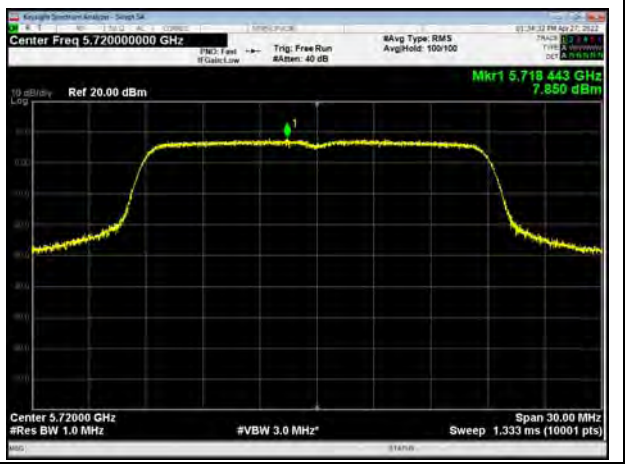


U-NII-2C, 802.11n HT20, Channel No.: 140

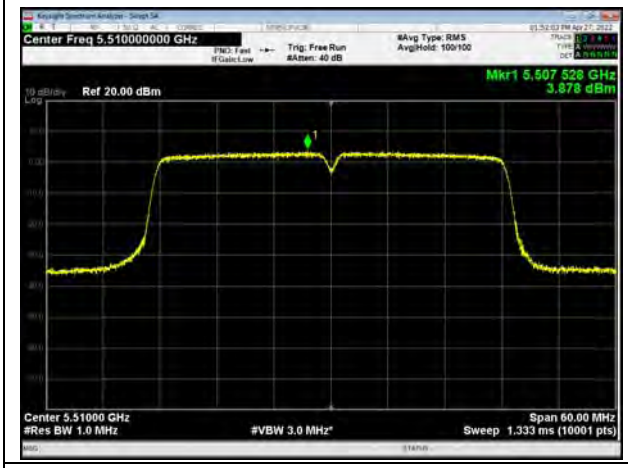
U-NII-2C, 802.11a, Channel No.: 144



U-NII-2C, 802.11n HT20, Channel No.: 144



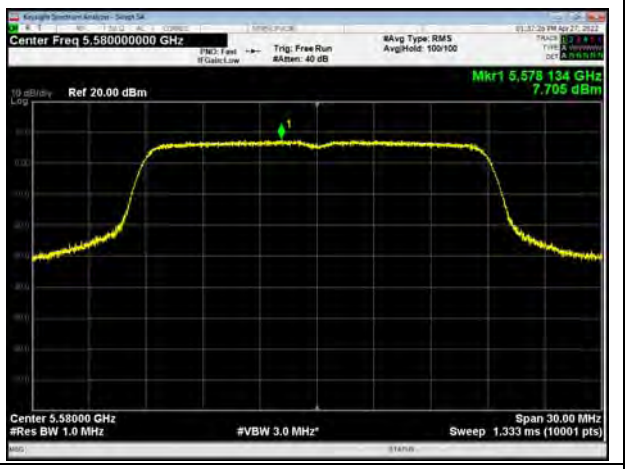
U-NII-2C, 802.11n HT40, Channel No.: 102



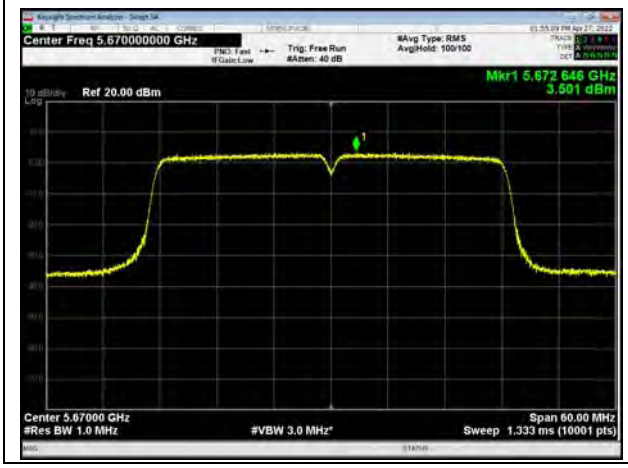
U-NII-2C, 802.11ac VHT20, Channel No.: 100

U-NII-2C, 802.11n HT40, Channel No.: 110

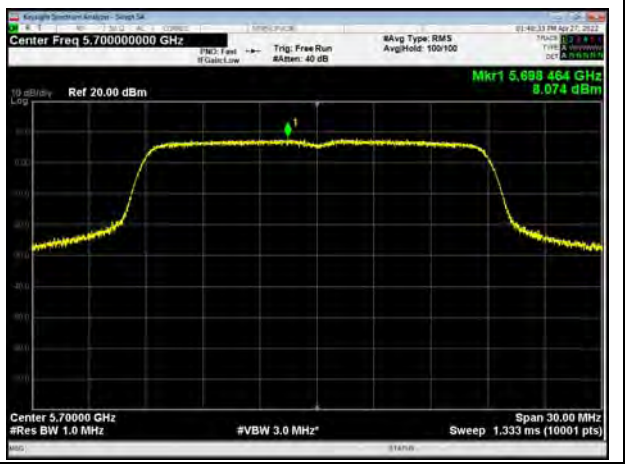
U-NII-2C, 802.11ac VHT20, Channel No.: 116



U-NII-2C, 802.11n HT40, Channel No.: 134

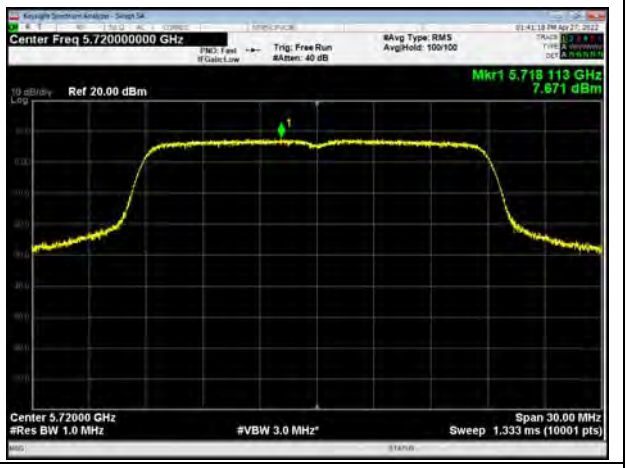


U-NII-2C, 802.11ac VHT20, Channel No.: 140



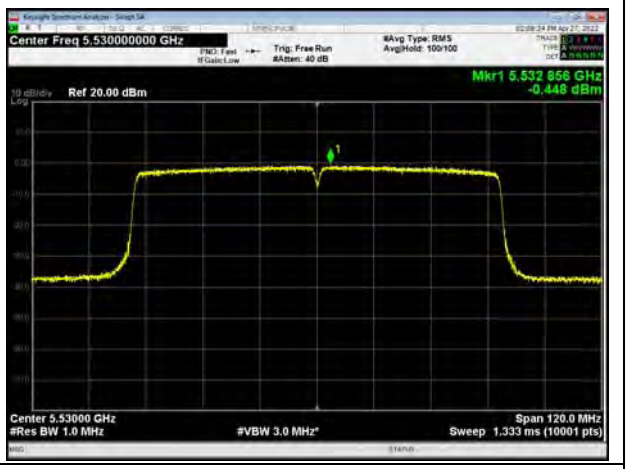
U-NII-2C, 802.11n HT40, Channel No.: 142

U-NII-2C, 802.11ac VHT20, Channel No.: 144

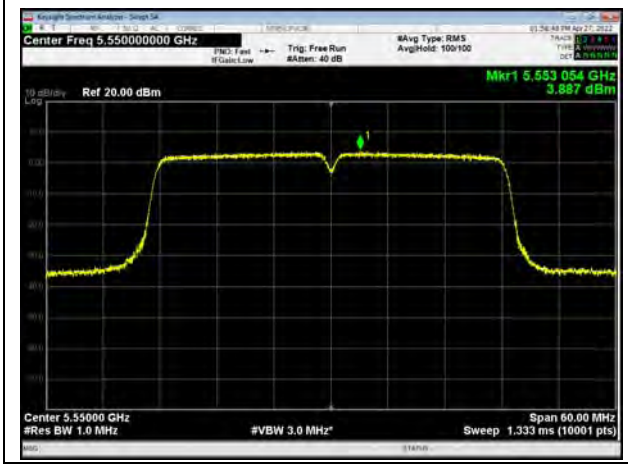


U-NII-2C, 802.11ac VHT40, Channel No.: 102

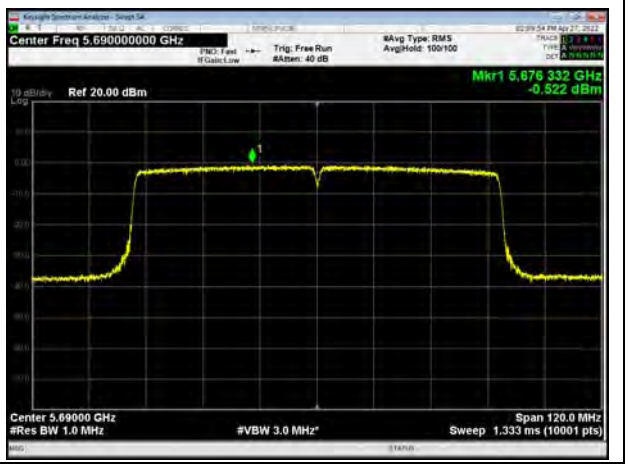
U-NII-2C, 802.11ac VHT80, Channel No.: 106



U-NII-2C, 802.11ac VHT40, Channel No.: 110



U-NII-2C, 802.11ac VHT80, Channel No.: 138



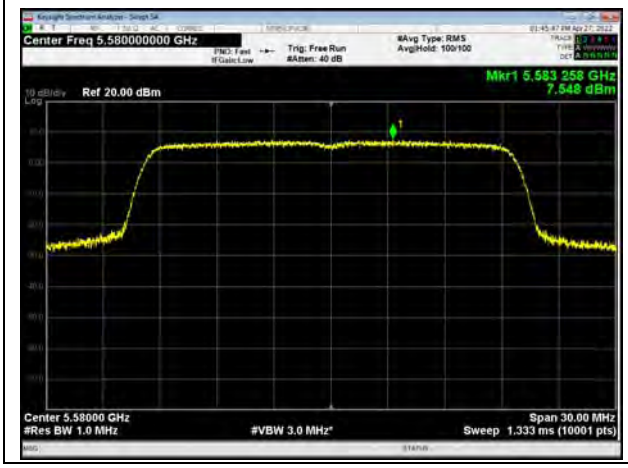
U-NII-2C, 802.11ac VHT40, Channel No.: 134

U-NII-2C, 802.11ac VHT40, Channel No.: 142

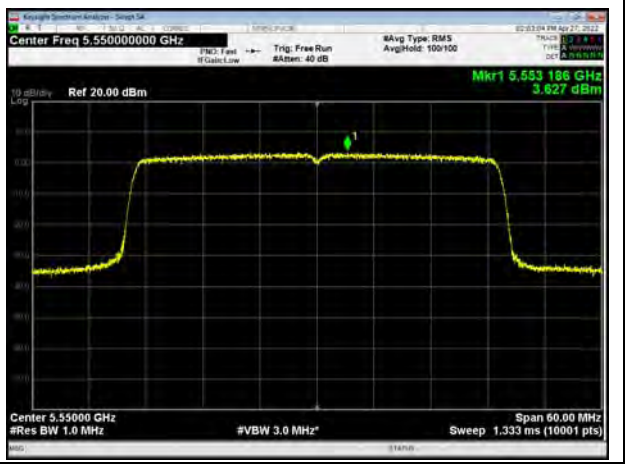
U-NII-2C, 802.11ax HE20, Channel No.: 100

U-NII-2C, 802.11ax HE40, Channel No.: 102

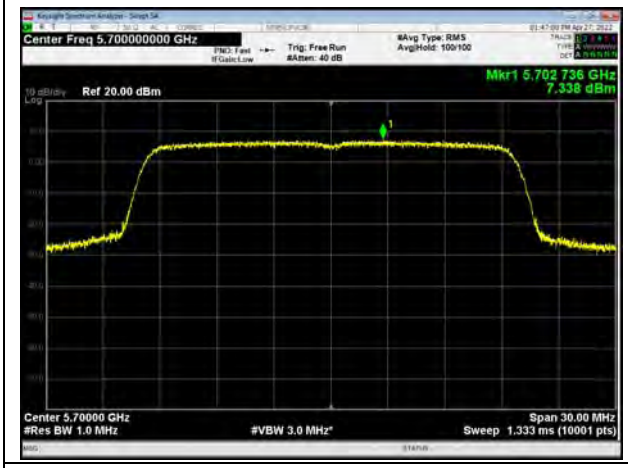
U-NII-2C, 802.11ax HE20, Channel No.: 116



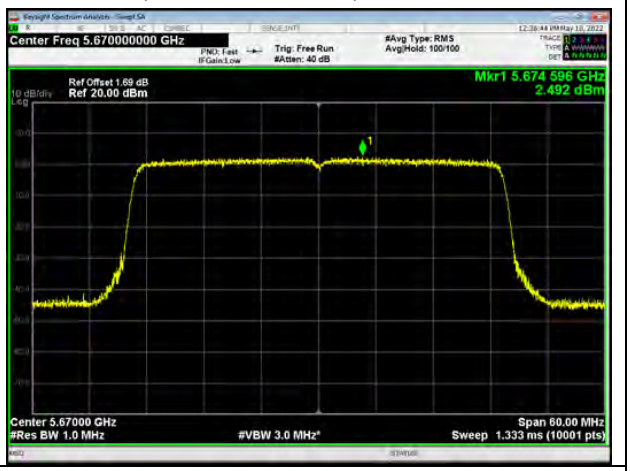
U-NII-2C, 802.11ax HE40, Channel No.: 110



U-NII-2C, 802.11ax HE20, Channel No.: 140

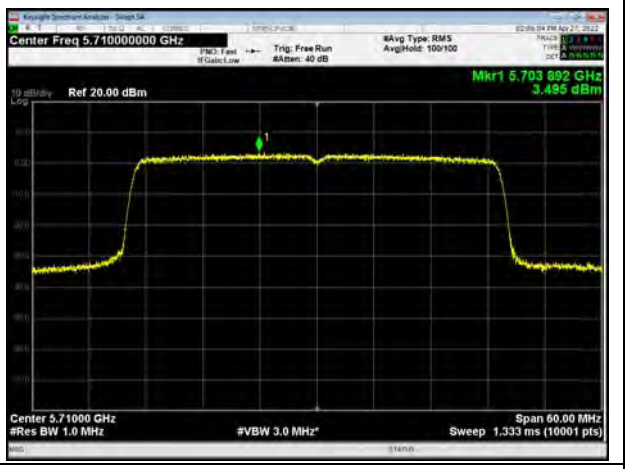


U-NII-2C, 802.11ax HE40, Channel No.: 134

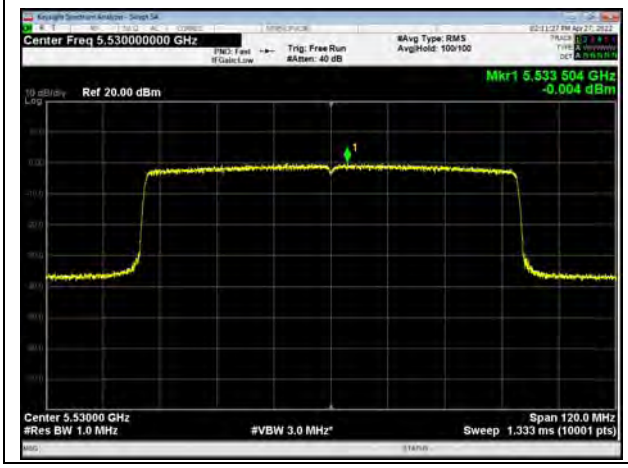


U-NII-2C, 802.11ax HE20, Channel No.: 144

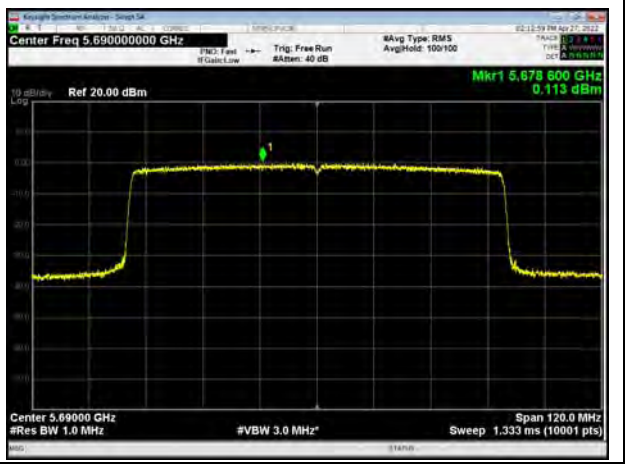
U-NII-2C, 802.11ax HE40, Channel No.: 142



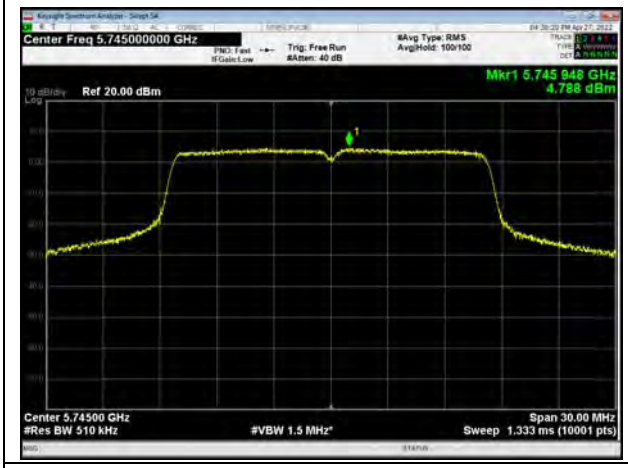
U-NII-2C, 802.11ax HE80, Channel No.: 106



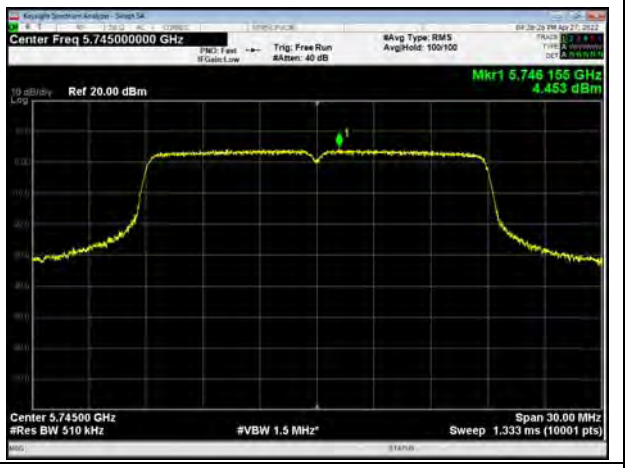
U-NII-2C, 802.11ax HE80, Channel No.: 138



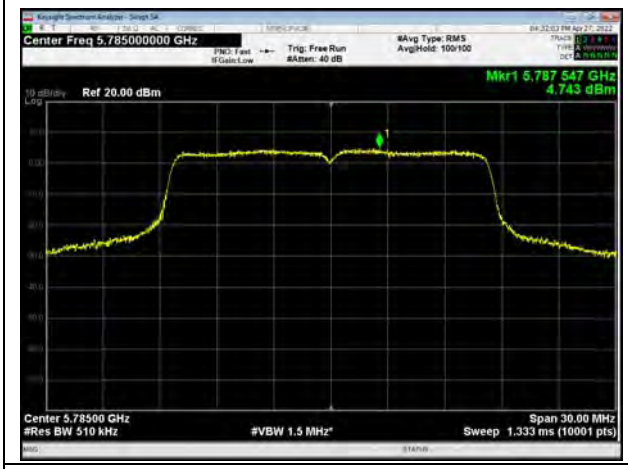
U-NII-3, 802.11a, Channel No.: 149



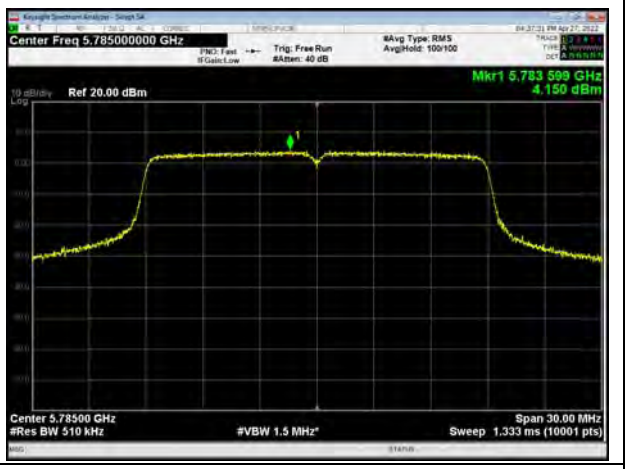
U-NII-3, 802.11n HT20, Channel No.: 149



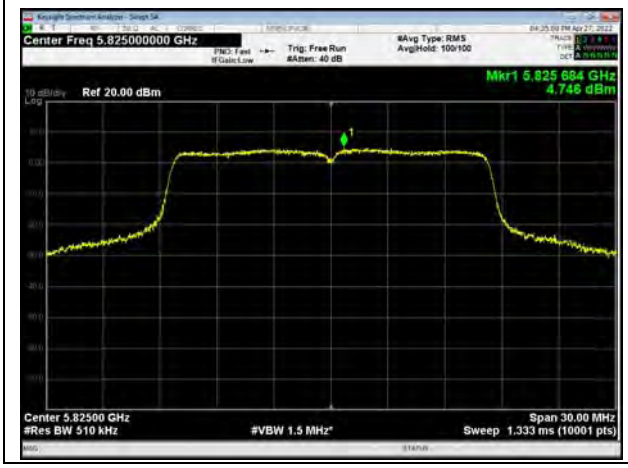
U-NII-3, 802.11a, Channel No.: 157



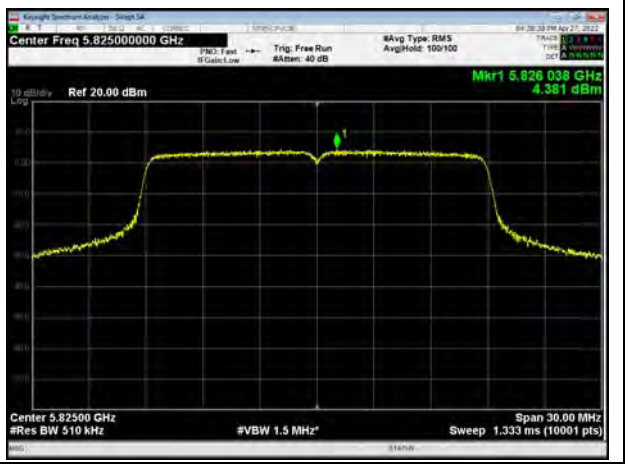
U-NII-3, 802.11n HT20, Channel No.: 157



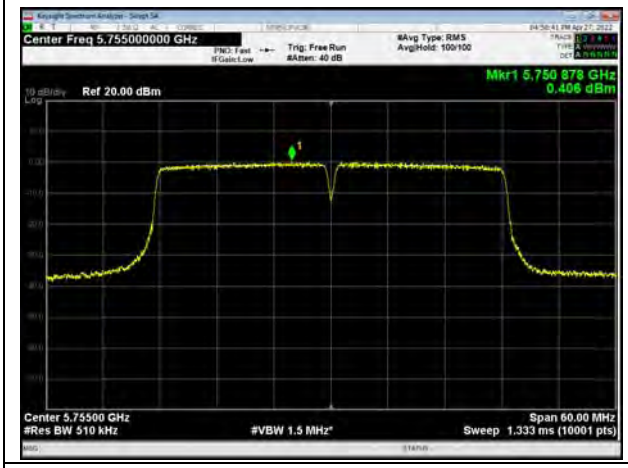
U-NII-3, 802.11a, Channel No.: 165



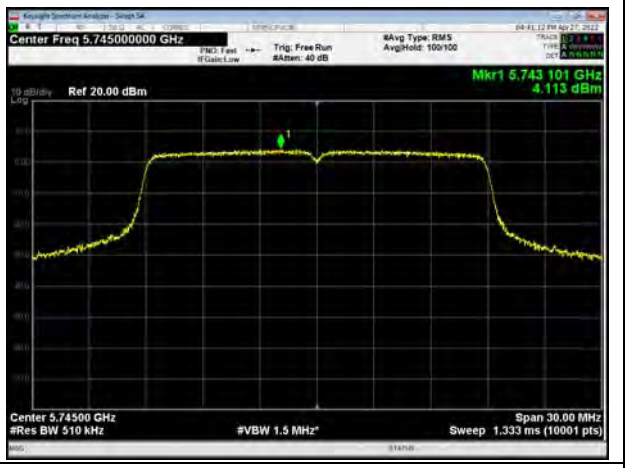
U-NII-3, 802.11n HT20, Channel No.: 165



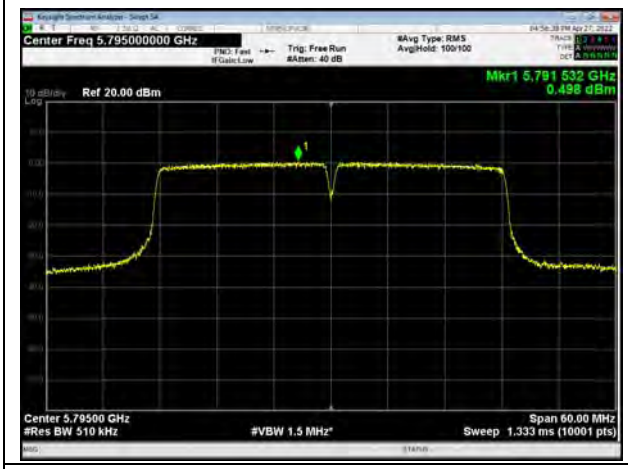
U-NII-3, 802.11n HT40, Channel No.: 151



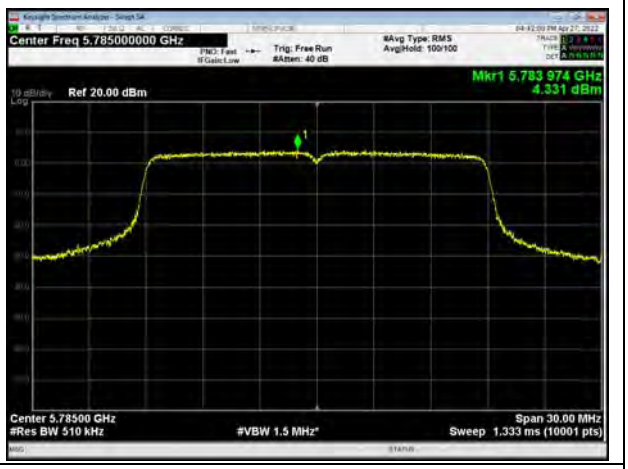
U-NII-3, 802.11ac VHT20, Channel No.: 149



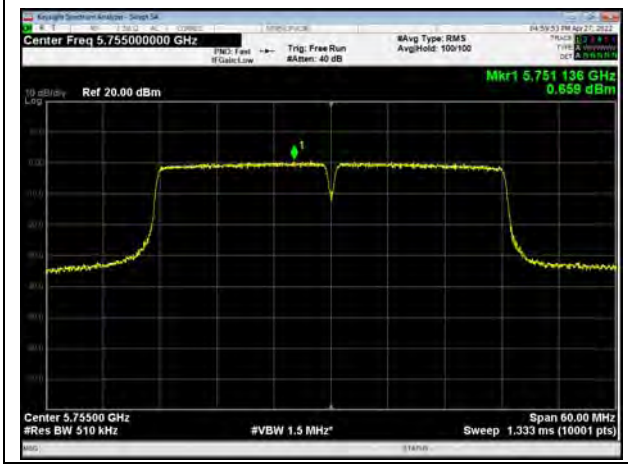
U-NII-3, 802.11n HT40, Channel No.: 159



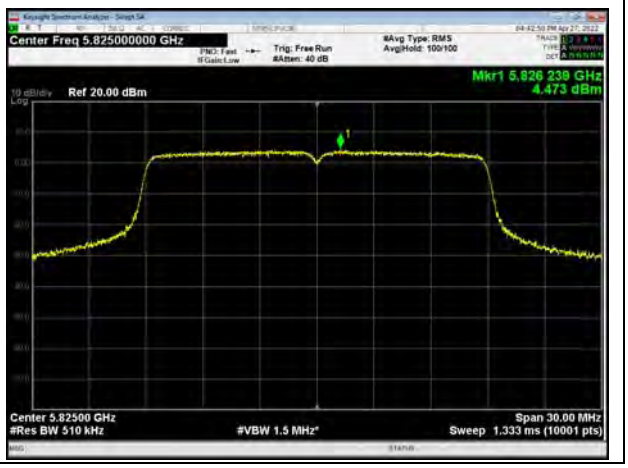
U-NII-3, 802.11ac VHT20, Channel No.: 157



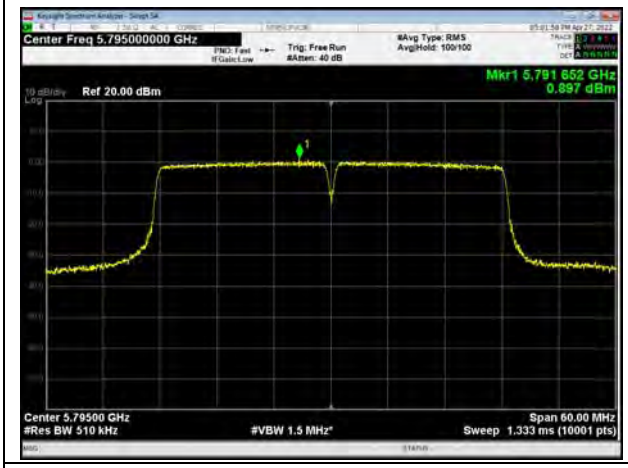
U-NII-3, 802.11ac VHT40, Channel No.: 151



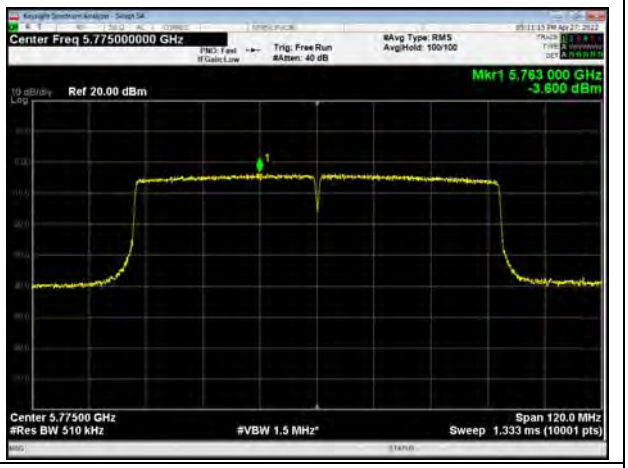
U-NII-3, 802.11ac VHT20, Channel No.: 165



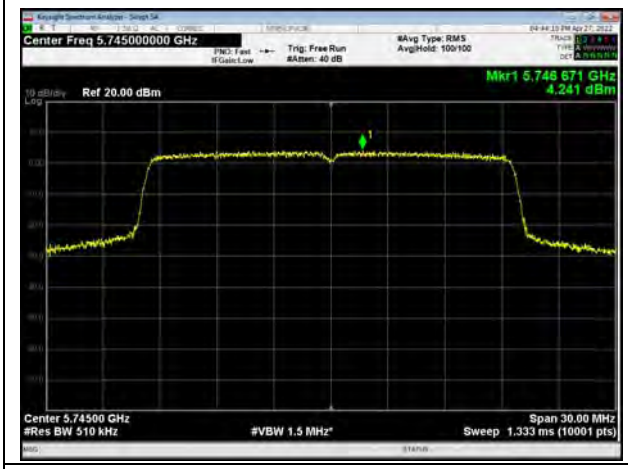
U-NII-3, 802.11ac VHT40, Channel No.: 159



U-NII-3, 802.11ac VHT80, Channel No.: 155

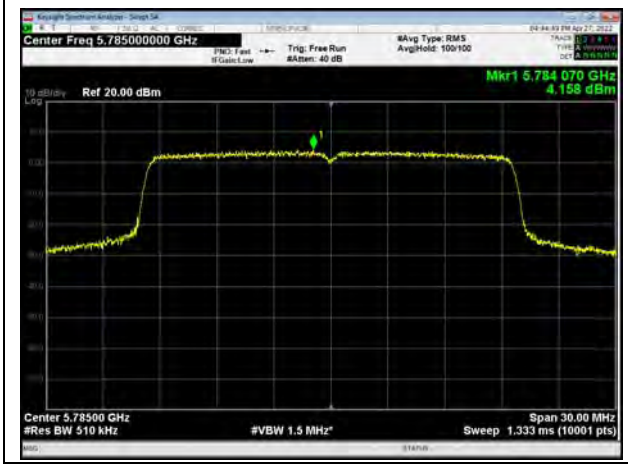


U-NII-3, 802.11ax HE20, Channel No.: 149

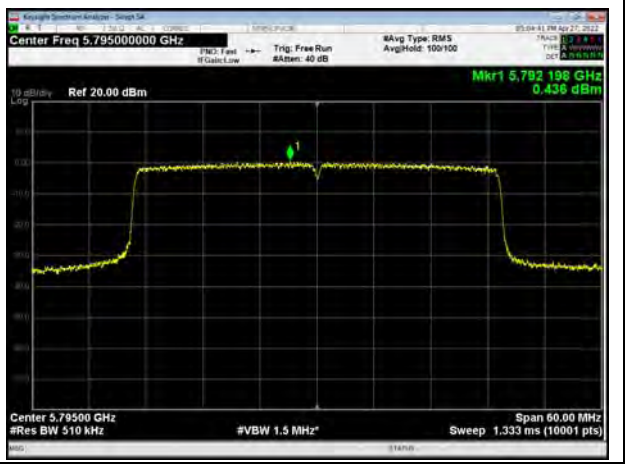


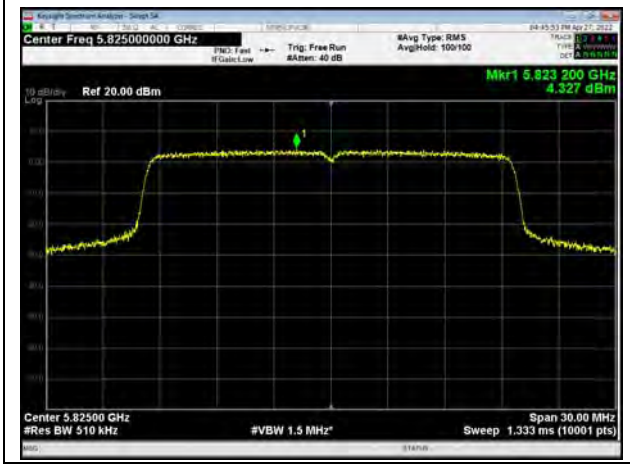
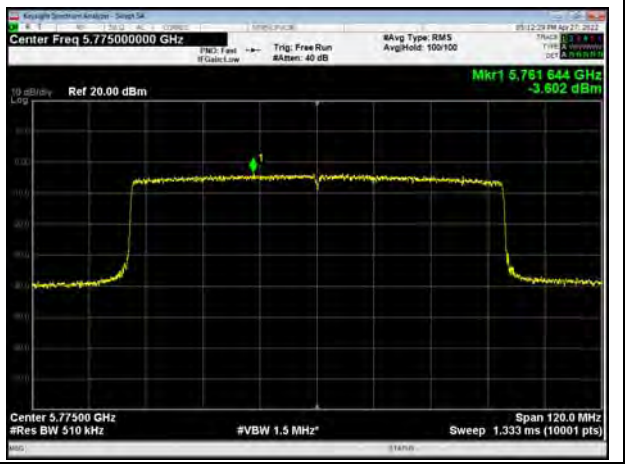
U-NII-3, 802.11ax HE40, Channel No.: 151

U-NII-3, 802.11ax HE20, Channel No.: 157



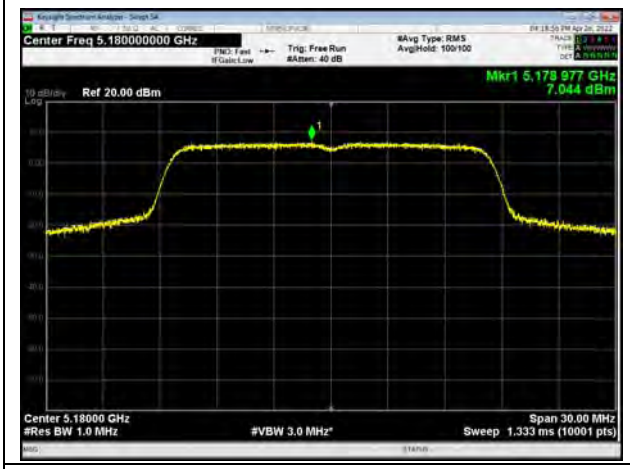
U-NII-3, 802.11ax HE40, Channel No.: 159



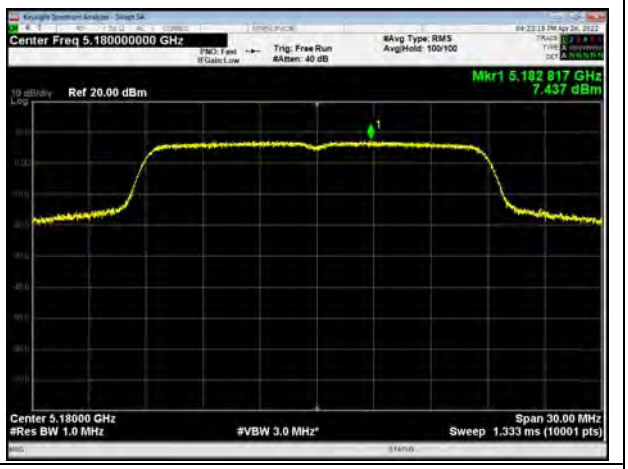
U-NII-3, 802.11ax HE20, Channel No.: 165	U-NII-3, 802.11ax HE80, Channel No.: 155
	

Antenna 2

U-NII-1, 802.11a, Channel No.: 36



U-NII-1, 802.11n HT20, Channel No.: 36

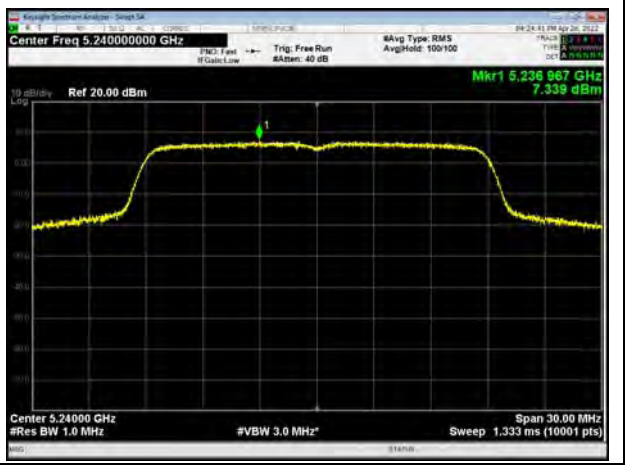


U-NII-1, 802.11a, Channel No.: 40

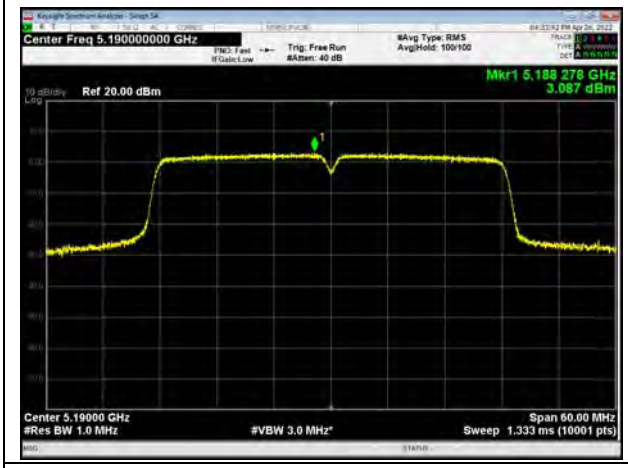
U-NII-1, 802.11n HT20, Channel No.: 40

U-NII-1, 802.11a, Channel No.: 48

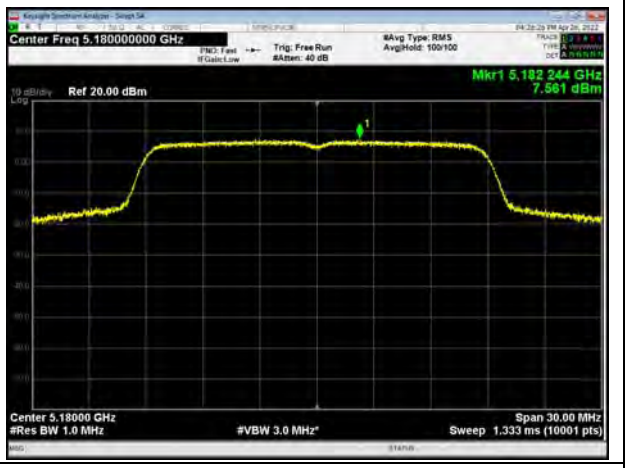
U-NII-1, 802.11n HT20, Channel No.: 48



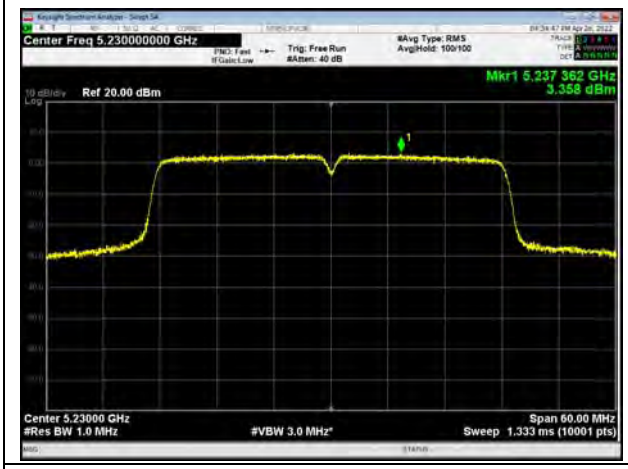
U-NII-1, 802.11n HT40, Channel No.: 38



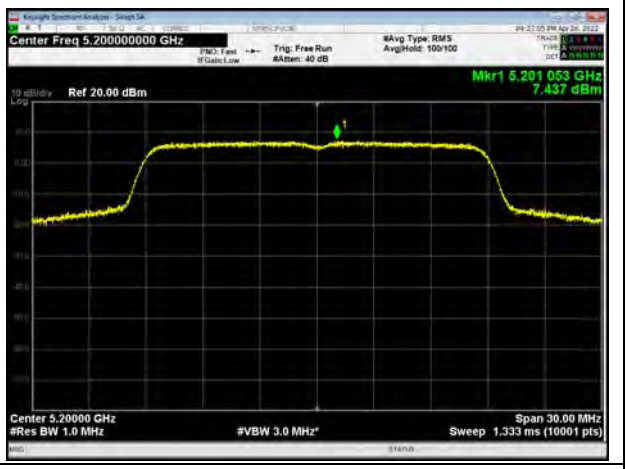
U-NII-1, 802.11ac VHT20, Channel No.: 36



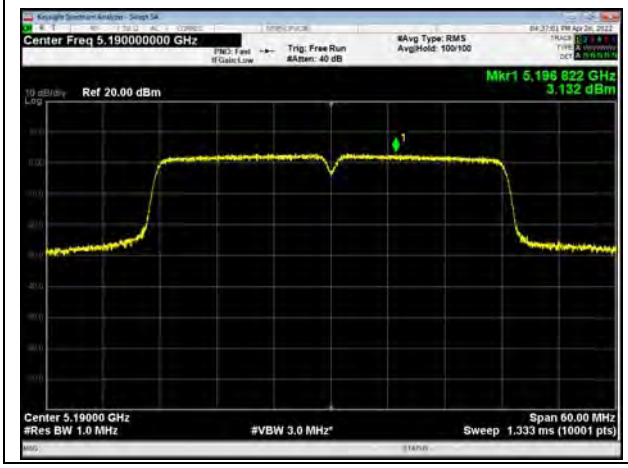
U-NII-1, 802.11n HT40, Channel No.: 46



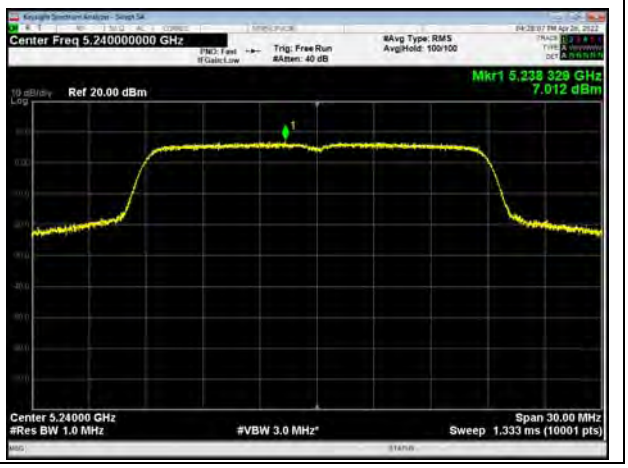
U-NII-1, 802.11ac VHT20, Channel No.: 40



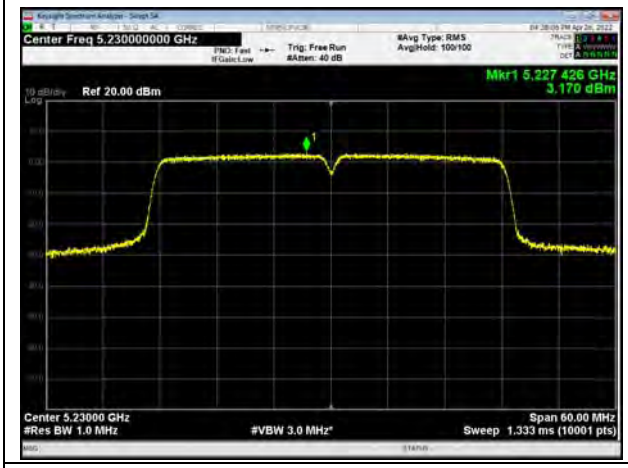
U-NII-1, 802.11ac VHT40, Channel No.: 38



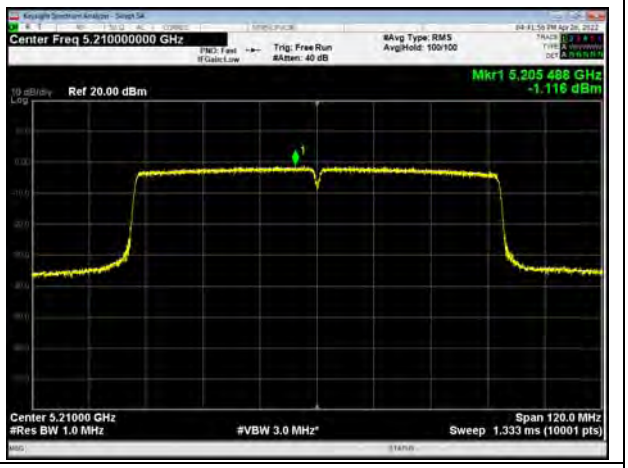
U-NII-1, 802.11ac VHT20, Channel No.: 48



U-NII-1, 802.11ac VHT40, Channel No.: 46

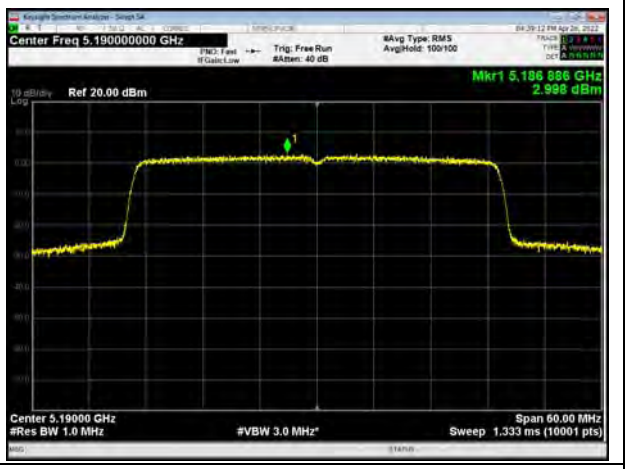


U-NII-1, 802.11ac VHT80, Channel No.: 42

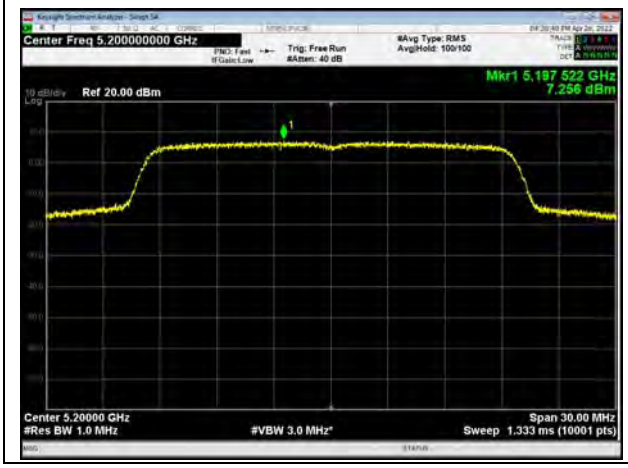


U-NII-1, 802.11ax HE20, Channel No.: 36

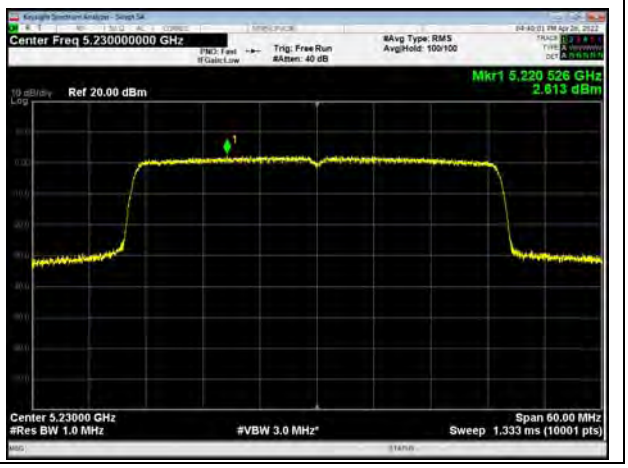
U-NII-1, 802.11ax HE40, Channel No.: 38



U-NII-1, 802.11ax HE20, Channel No.: 40

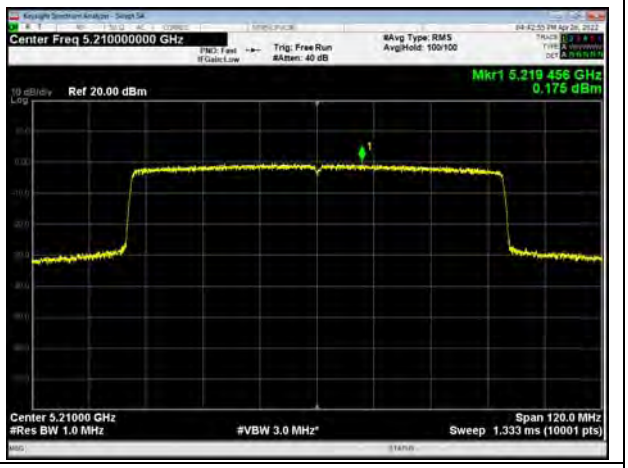


U-NII-1, 802.11ax HE40, Channel No.: 46

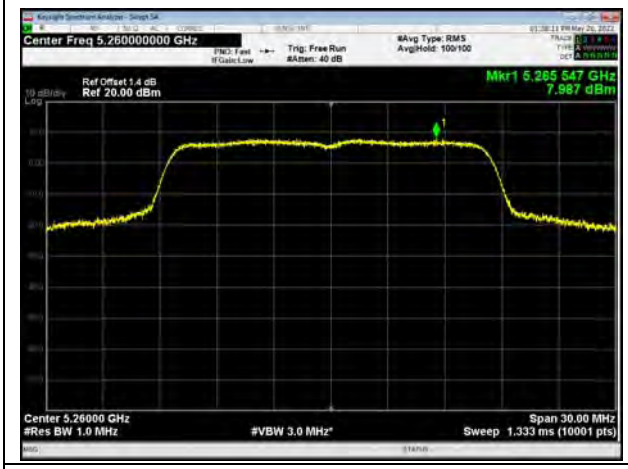


U-NII-1, 802.11ax HE20, Channel No.: 48

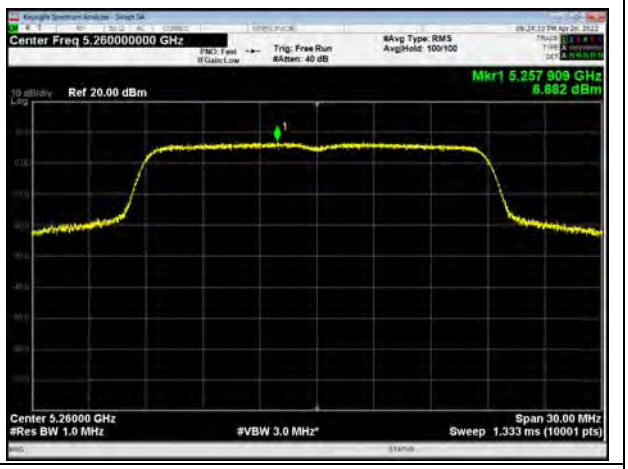
U-NII-1, 802.11ax HE80, Channel No.: 42



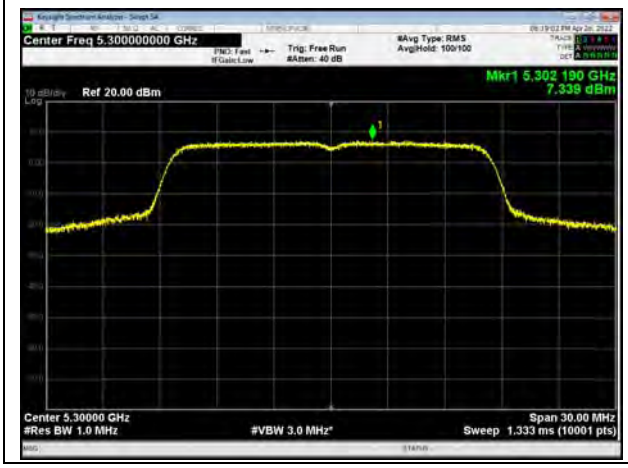
U-NII-2A, 802.11a, Channel No.: 52



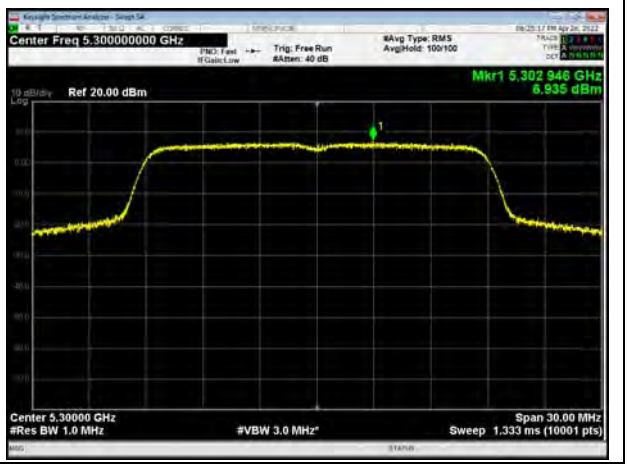
U-NII-2A, 802.11n HT20, Channel No.: 52



U-NII-2A, 802.11a, Channel No.: 60

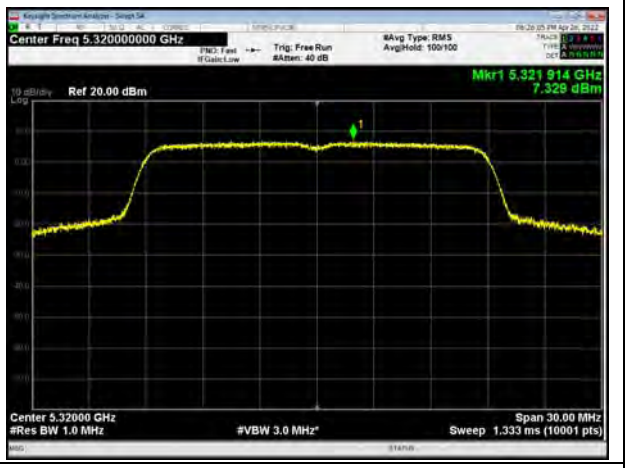


U-NII-2A, 802.11n HT20, Channel No.: 60



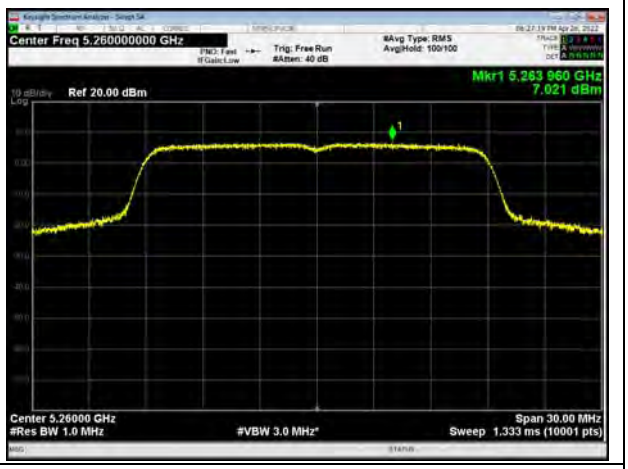
U-NII-2A, 802.11a, Channel No.: 64

U-NII-2A, 802.11n HT20, Channel No.: 64



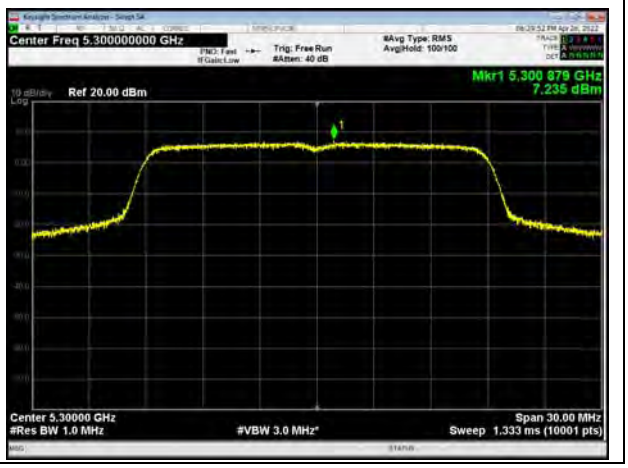
U-NII-2A, 802.11n HT40, Channel No.: 54

U-NII-2A, 802.11ac VHT20, Channel No.:52



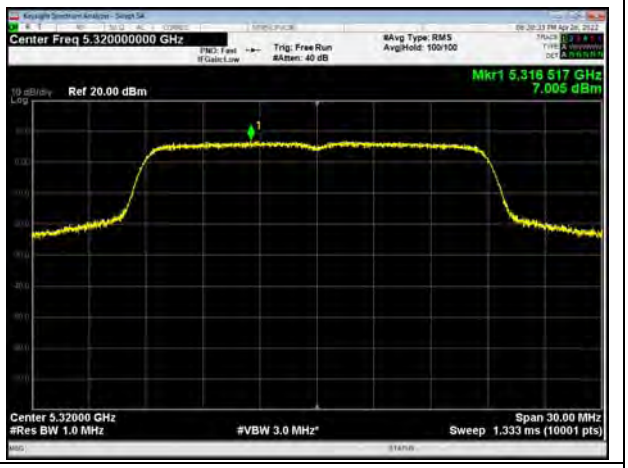
U-NII-2A, 802.11n HT40, Channel No.: 62

U-NII-2A, 802.11ac VHT20, Channel No.: 60



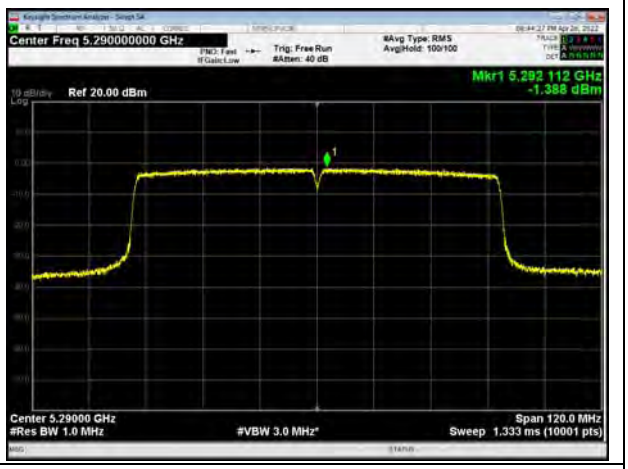
U-NII-2A, 802.11ac VHT40, Channel No.: 54

U-NII-2A, 802.11ac VHT20, Channel No.: 64



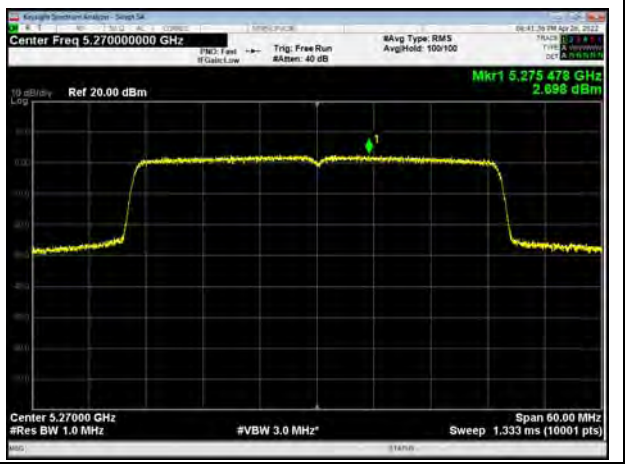
U-NII-2A, 802.11ac VHT40, Channel No.: 62

U-NII-2A, 802.11ac VHT80, Channel No.: 58



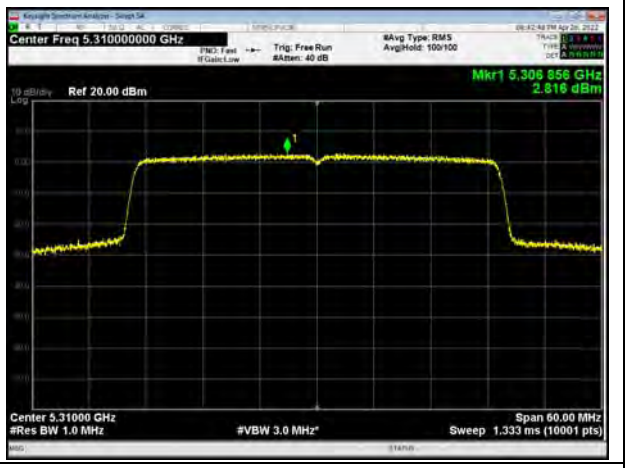
U-NII-2A, 802.11ax HE20, Channel No.:52

U-NII-2A, 802.11ax HE40, Channel No.: 54

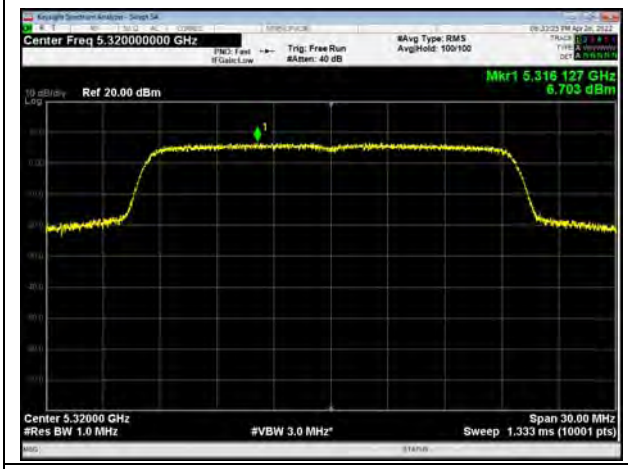


U-NII-2A, 802.11ax HE20, Channel No.: 60

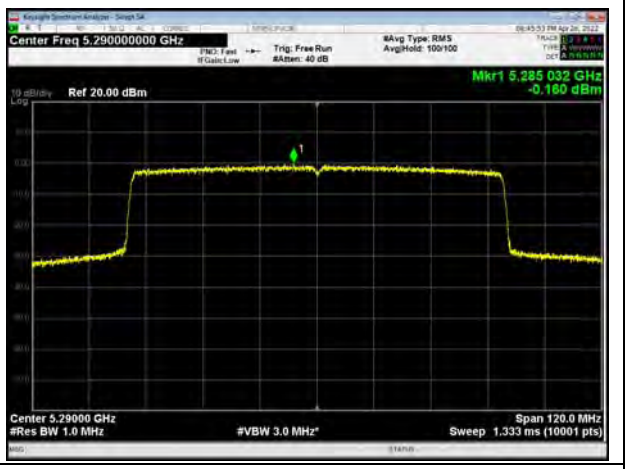
U-NII-2A, 802.11ax HE40, Channel No.: 62



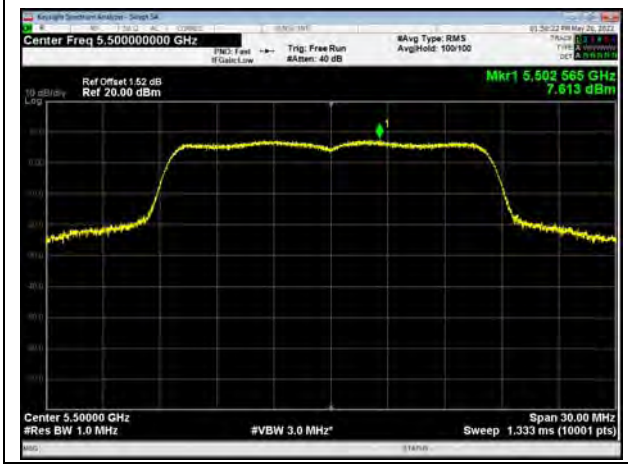
U-NII-2A, 802.11ax HE20, Channel No.: 64



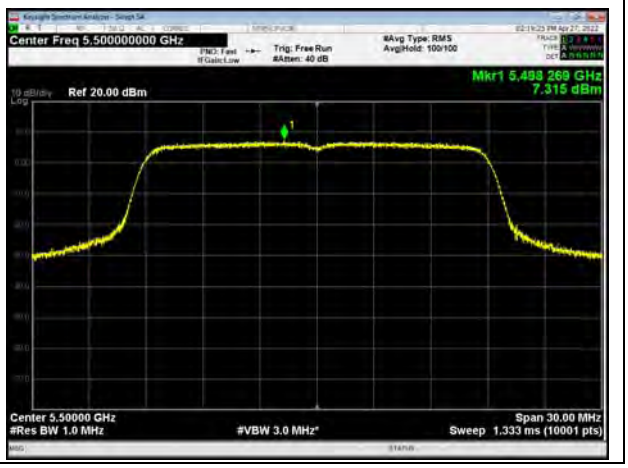
U-NII-2A, 802.11ax HE80, Channel No.: 58



U-NII-2C, 802.11a, Channel No.: 100



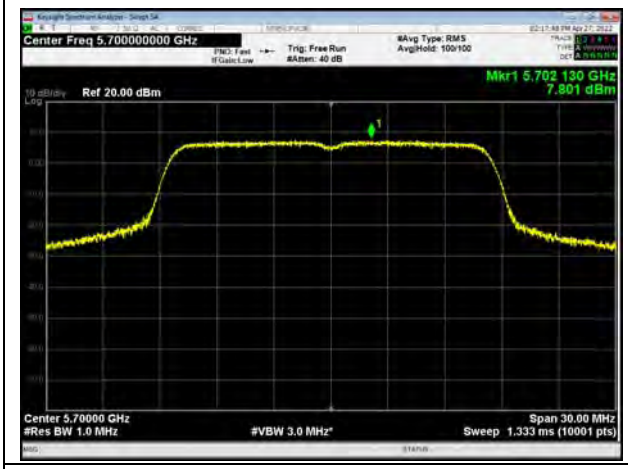
U-NII-2C, 802.11n HT20, Channel No.: 100



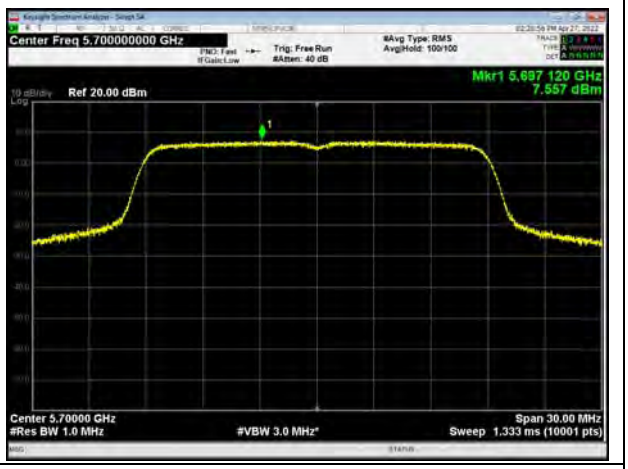
U-NII-2C, 802.11a, Channel No.: 116

U-NII-2C, 802.11n HT20, Channel No.: 116

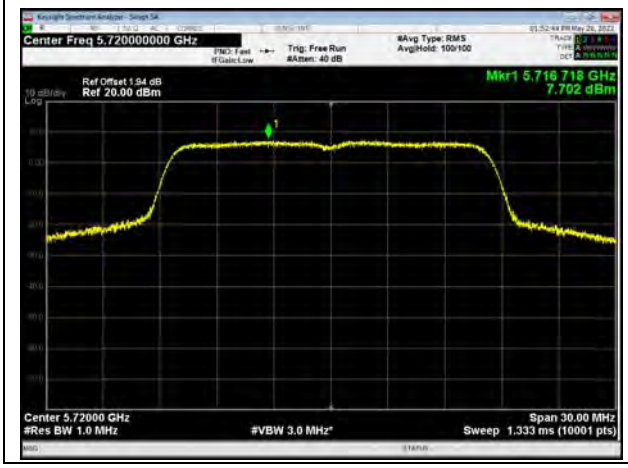
U-NII-2C, 802.11a, Channel No.: 140



U-NII-2C, 802.11n HT20, Channel No.: 140



U-NII-2C, 802.11a, Channel No.: 144



U-NII-2C, 802.11n HT20, Channel No.: 144