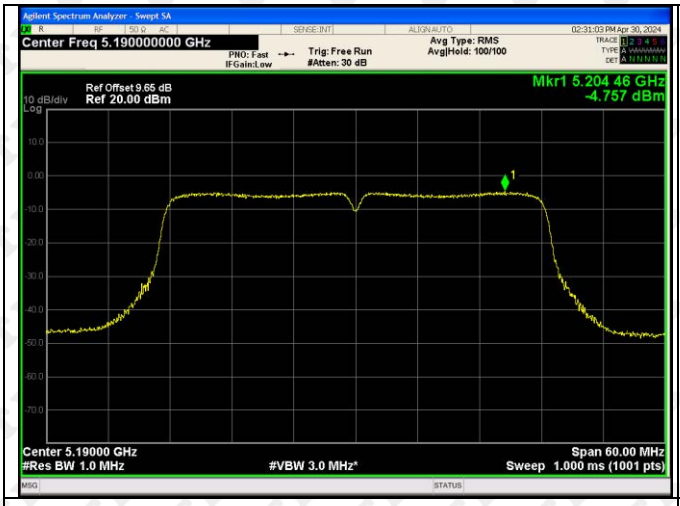
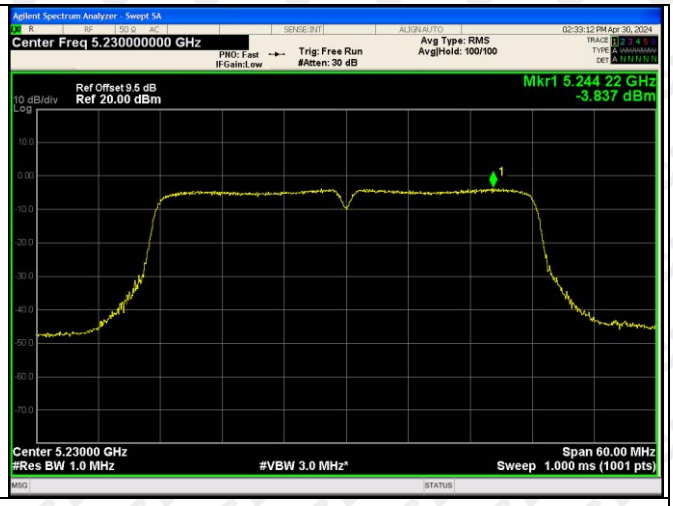
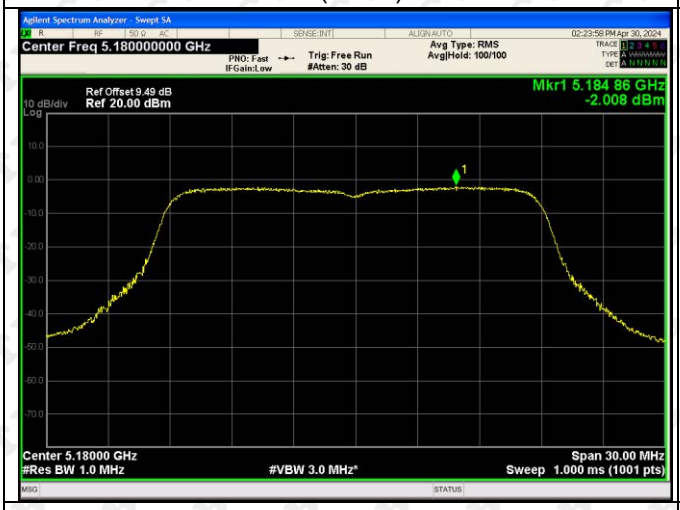


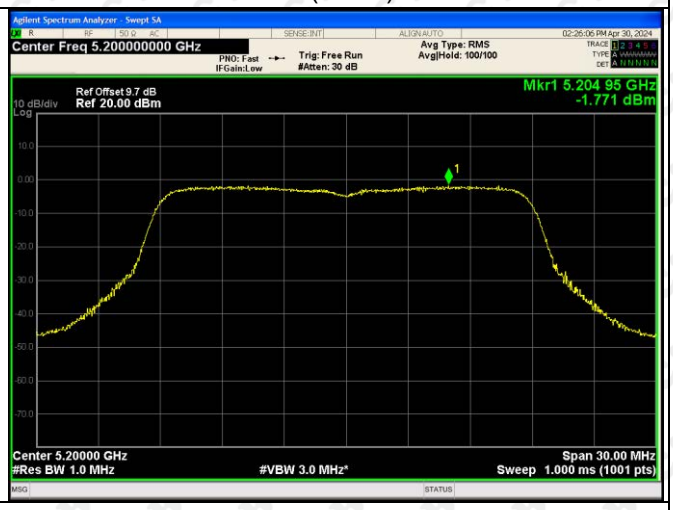
802.11ax(VH20)-5180



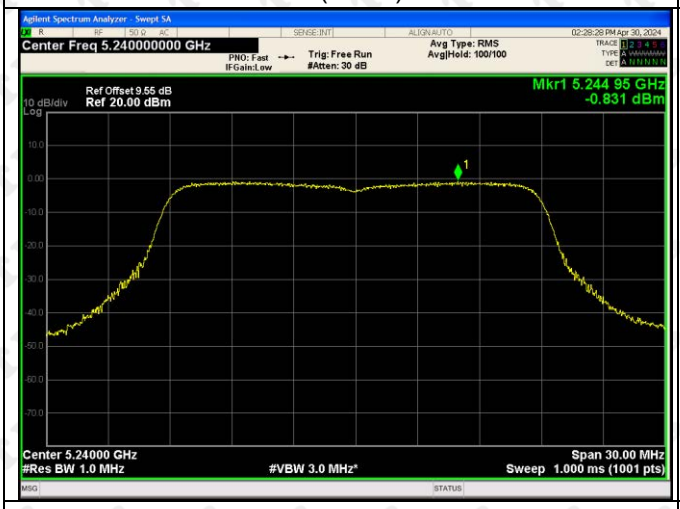
802.11ax(VH20)-5200



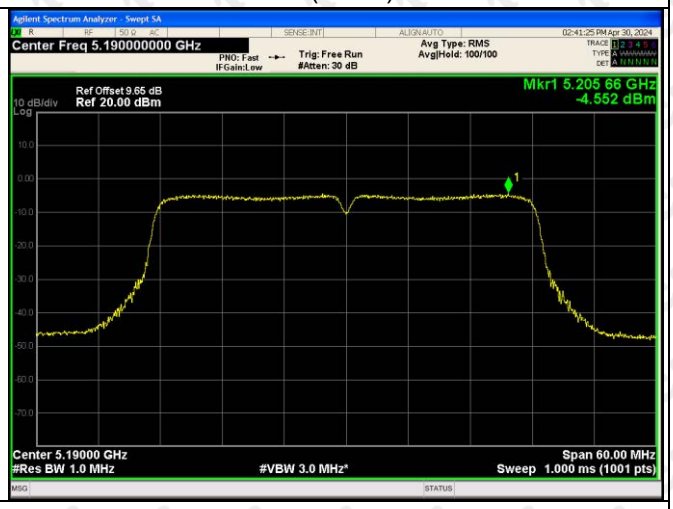
802.11ax(VH20)-5240



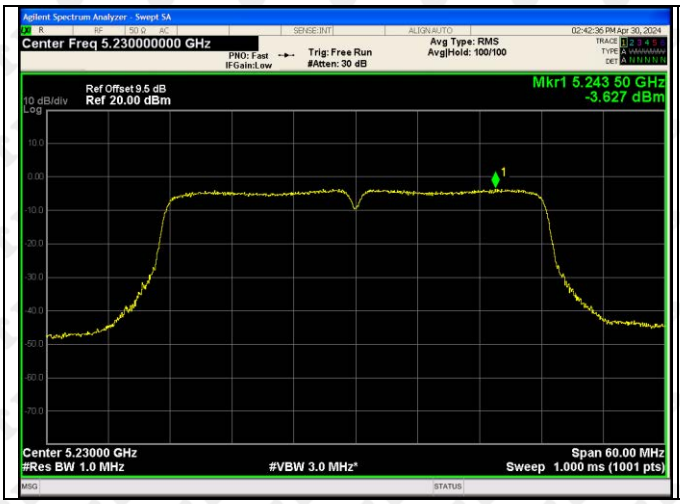
802.11ax(VH40)-5190

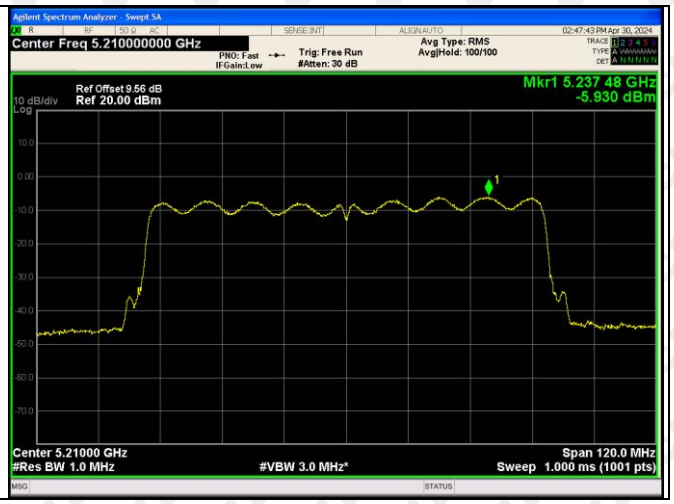


802.11ax(VH40)-5230



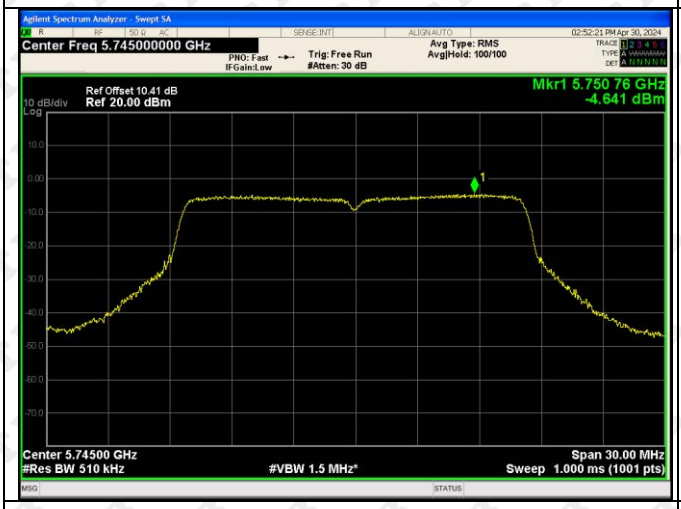
802.11ax(VH80)-5210


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.230000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
02:42:36 PM Apr 30, 2024
Ref Offset 9.5 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.243 50 GHz
-3.627 dBm
Center 5.23000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 60.00 MHz
Sweep 1.000 ms (1001 pts)

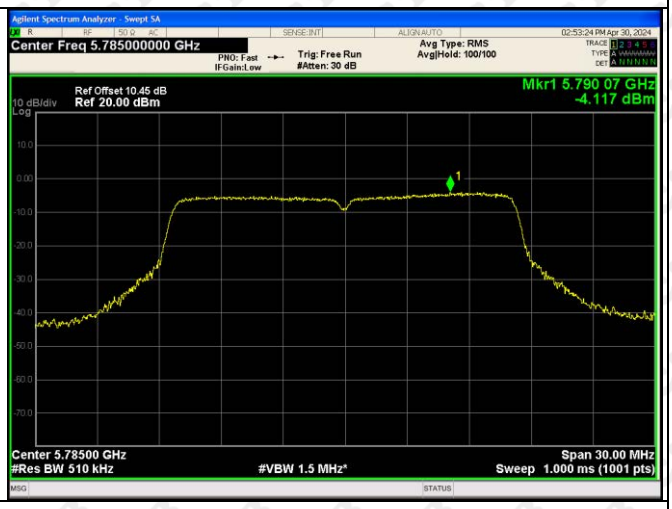

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.210000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
02:47:43 PM Apr 30, 2024
Ref Offset 9.56 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.237 48 GHz
-5.930 dBm
Center 5.21000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 120.0 MHz
Sweep 1.000 ms (1001 pts)

5745-5825MHz

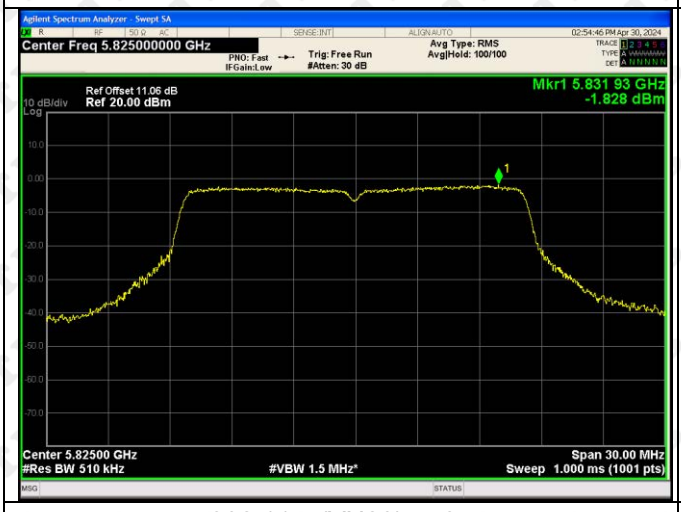
802.11a-5745



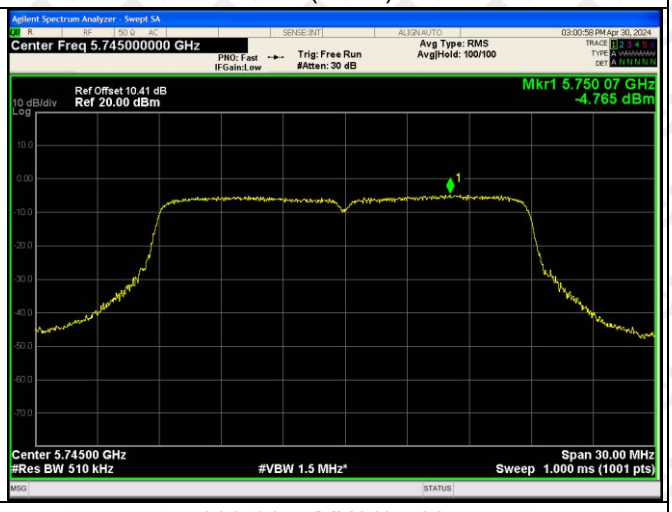
802.11a-5785



802.11a-5825



802.11ac(VH20)-5745

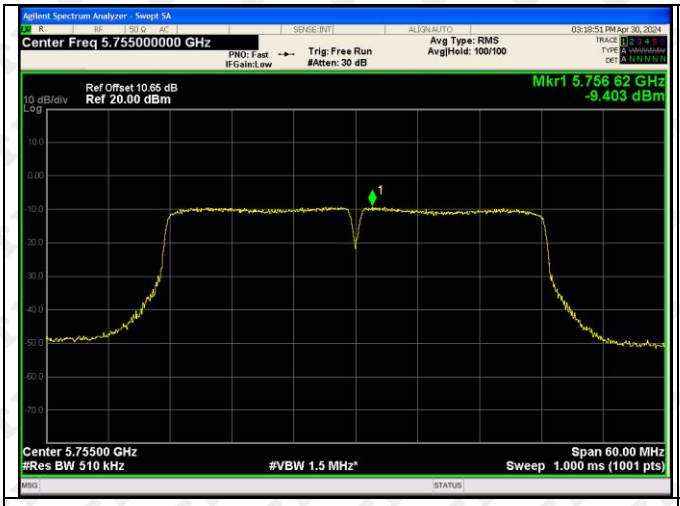


802.11ac(VH20)-5785

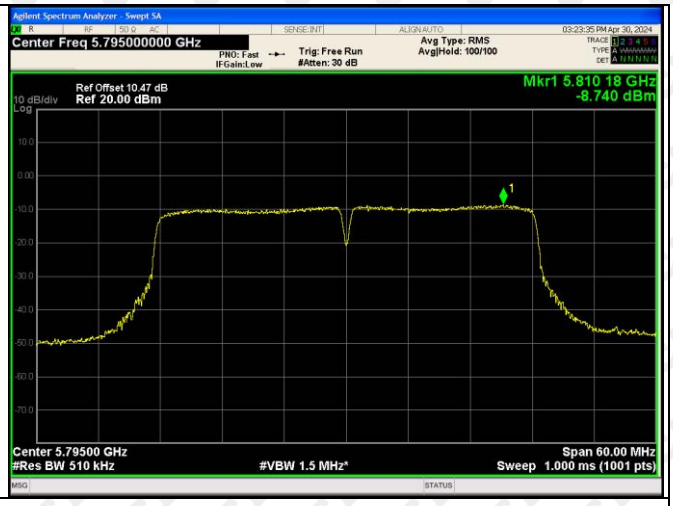
802.11ac(VH20)-5825

802.11ac(VH40)-5755

802.11ac(VH40)-5795

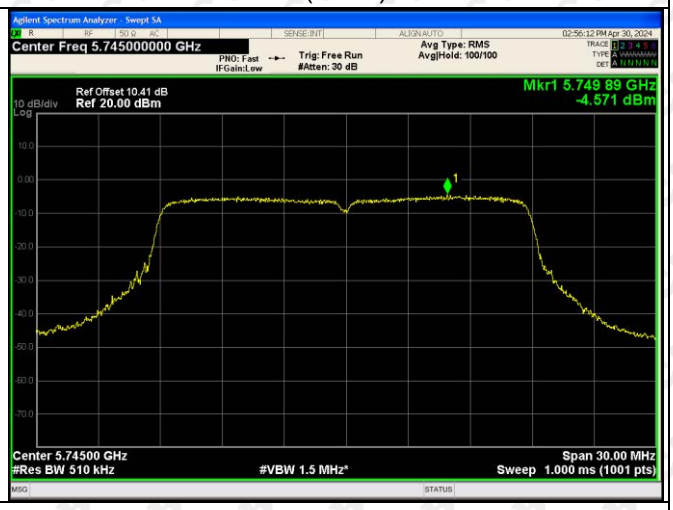


802.11ac(VH80)-5775



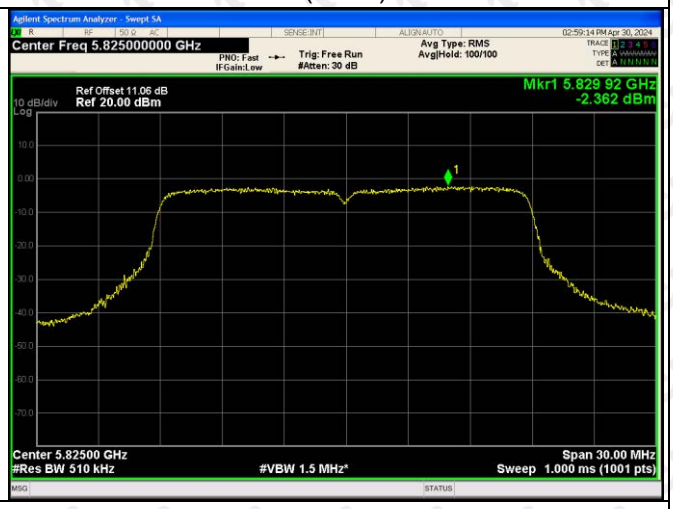
802.11n(HT20)-5745

802.11n(HT20)-5785

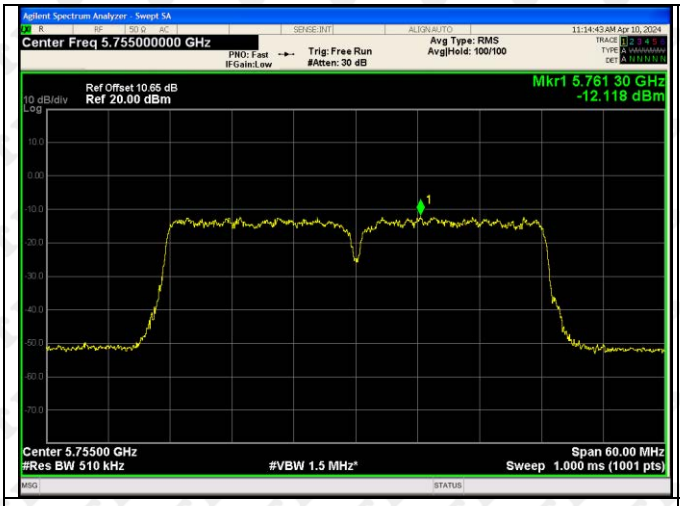


802.11n(HT20)-5825

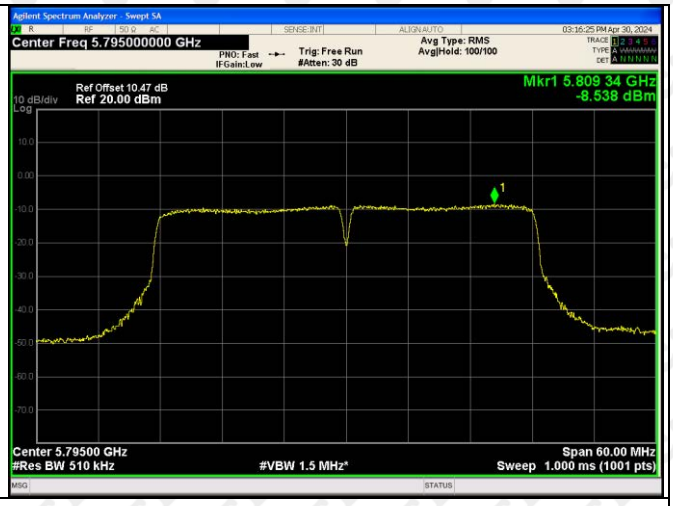
802.11n(HT40)-5755



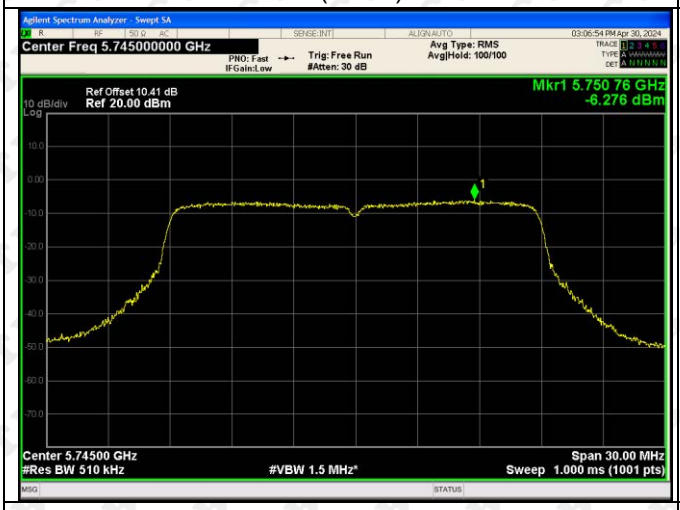
802.11n(HT40)-5795



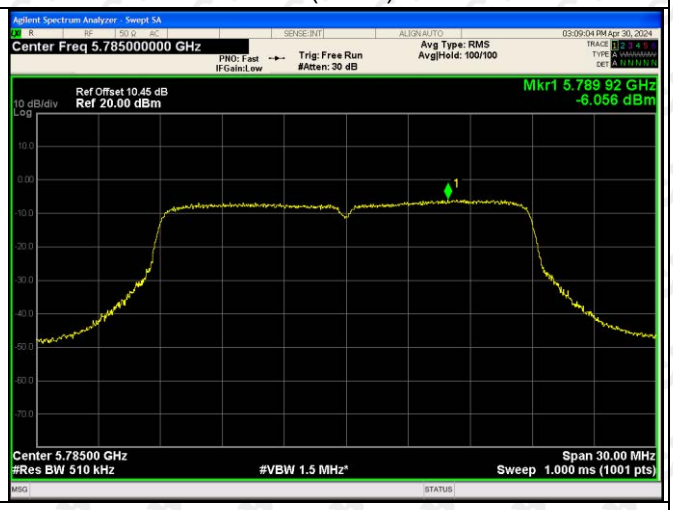
802.11ax(VH20)-5745



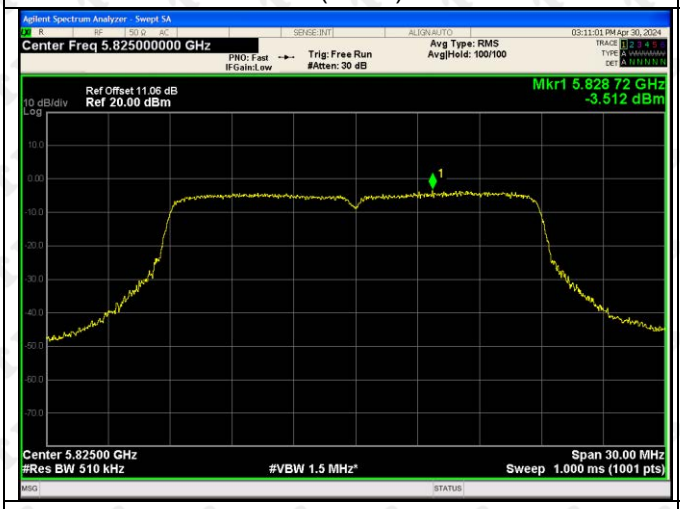
802.11ax(VH20)-5785



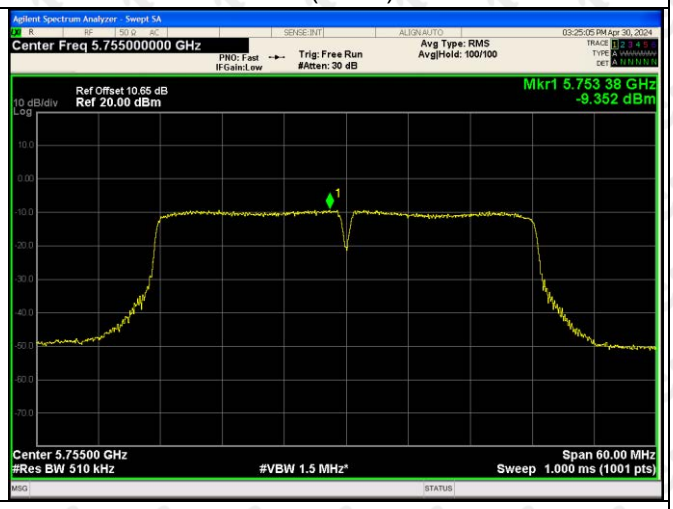
802.11ax(VH20)-5825



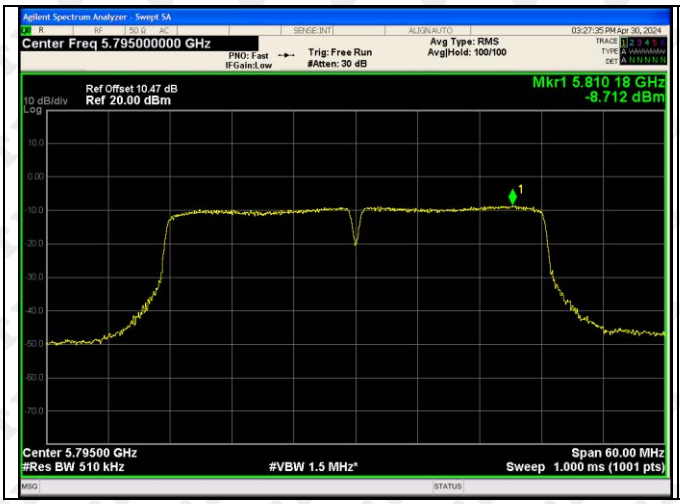
802.11ax(VH40)-5755

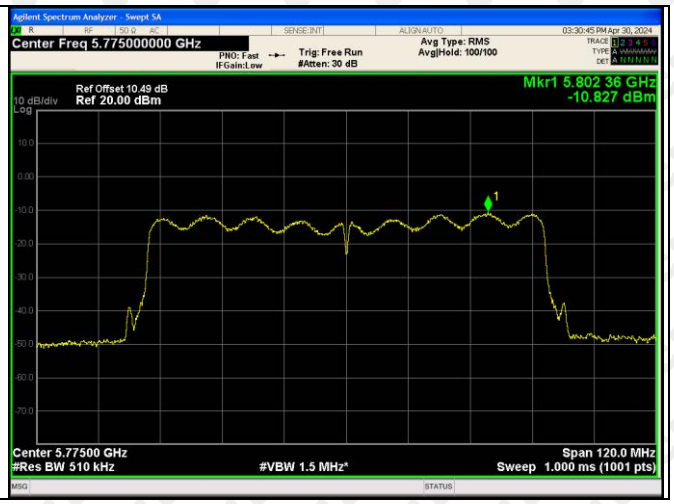


802.11ax(VH40)-5795



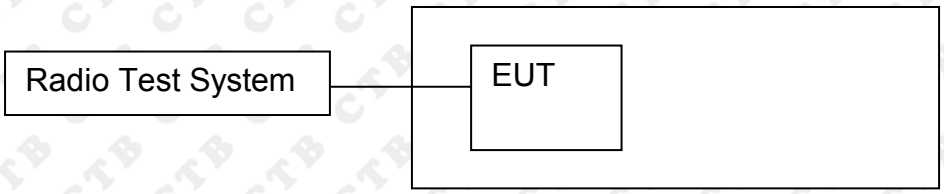
802.11ax(VH80)-5775


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
03:27:35 PM Apr 30, 2024
Ref Offset 10.47 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.810 18 GHz
-8.712 dBm
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 60.00 MHz
Sweep 1.000 ms (1001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
03:30:45 PM Apr 30, 2024
Ref Offset 10.49 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.802 36 GHz
-10.827 dBm
Center 5.77500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 120.0 MHz
Sweep 1.000 ms (1001 pts)

12. FREQUENCY STABILITY

12.1 Block Diagram Of Test Setup



12.2 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 user's manual.

12.3 Test procedure

1. The EUT was placed inside temperature chamber and powered and powered by nominal DC voltage.

2. Set EUT as normal operation.

3. Turn the EUT on and couple its output to spectrum.

4. Turn the EUT off and set the chamber to the highest temperature specified.

5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT and measure the operating frequency.

6. Repeat step with the temperature chamber set to the lowest temperature.

12.4 Test Result

Pass

13. OPERATION IN THE ABSENCE OF INFORMATION TO THE TRANSMIT

13.1 Requirement

15.407(c) requirement:
The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signal ling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

13.2 Test Results

Operation in the absence of information to the transmit:

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of WLAN message transmitting from remote device and verify whether it shall reconnect. (manufacturer declare)

14. ANTENNA REQUIREMENT

15.203 requirement:
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

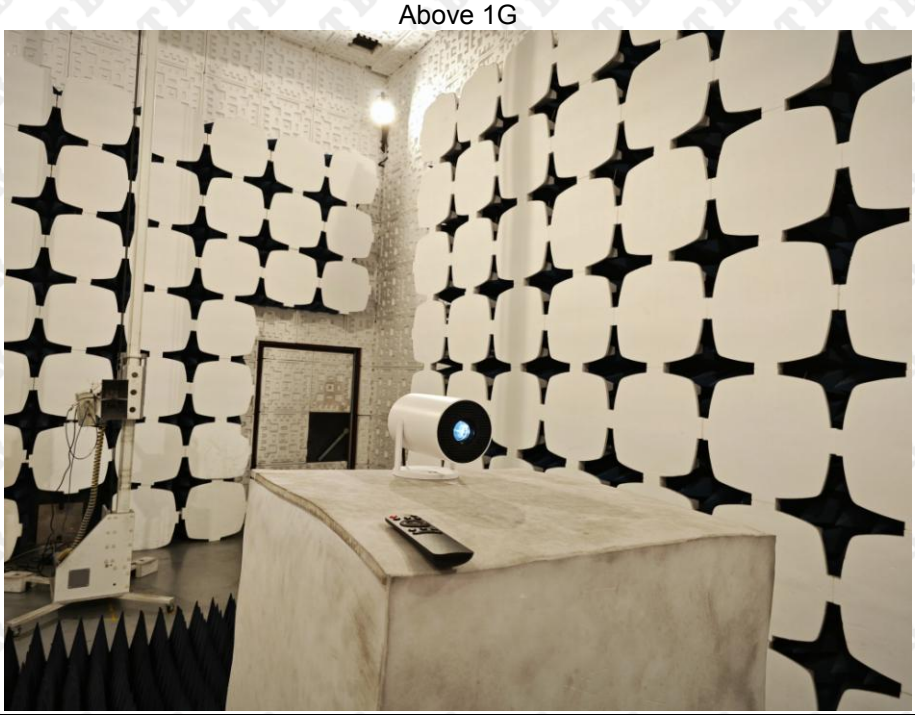
The antenna is FPC antenna and no consideration of replacement. The best case gain of the antenna is 5.2GWIFI: 2.39dBi, 5.8GWIFI: 2.89dBi

15. EUT TEST SETUP PHOTOGRAPHS

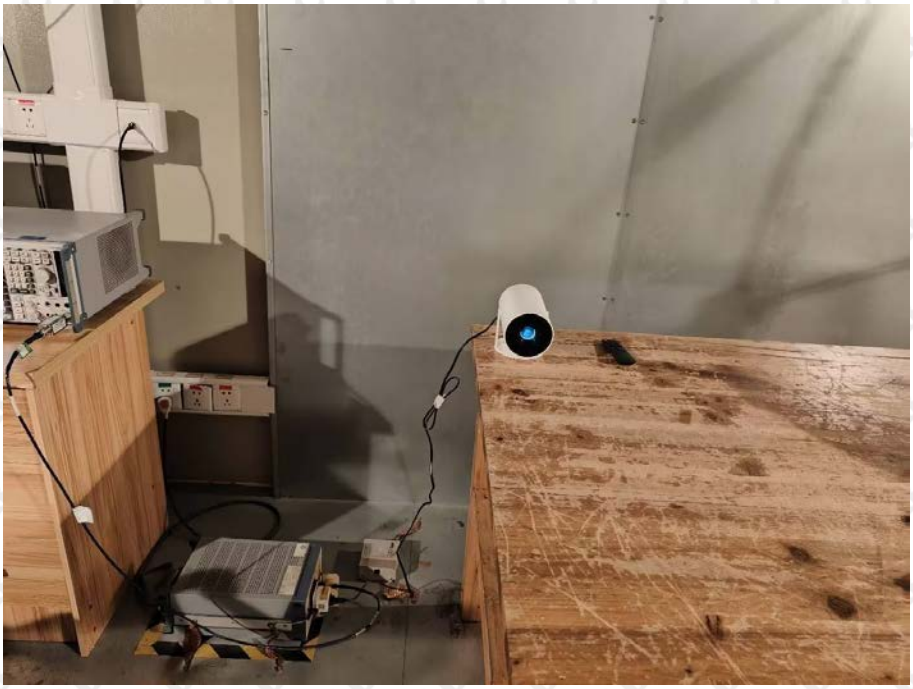
Radiated Emission

Below 1G

Above 1G



Conducted Emission



※※※※※ **END OF REPORT** ※※※※※