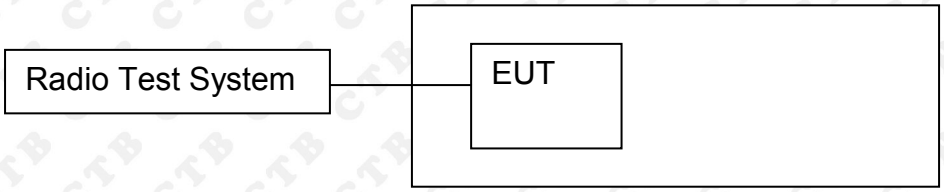
11. POWER SPECTRAL DENSITY

11.1 Block Diagram Of Test Setup



11.2 Limit

(1) For the band 5.15-5.25 GHz.

(iv) For mobile and portable 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. 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.

11.3 Test procedure

According to KDB789033 D02v02r01 sectionE, the following is the measurement procedure.

For devices operating in the bands 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz, the preceding procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in Section 15.407(a)(5). For devices operating in the band 5.725−5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
a) Set RBW ≥ 1/*T*, where *T* is defined in II.B.I.a).

b) Set VBW ≥ 3 RBW.

c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log (1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.

e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.
Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the II.F.5.c) and II.F.5.d), since RBW=100 kHz is available on nearly all spectrum analyzers.

11.4 Test Result

ANT 1+ANT2

Test mode	Test Channel (MHz)	PSD [dBm/MHz] ANT 1	PSD [dBm/MHz] ANT 2	PSD [dBm/MHz] Total	Limit (dBm/MHz)	Result
802.11a	5180	-1.961	-1.68	/	11	Pass
	5200	-1.587	-1.946	/	11	Pass
	5240	-2.501	-2.307	/	11	Pass
802.11ac(VH20)	5180	-3.31	-2.805	-0.040	11	Pass
	5200	-2.861	-2.603	0.280	11	Pass
	5240	-3.361	-3.189	-0.264	11	Pass
802.11ac(VH40)	5190	-6.071	-5.192	-2.599	11	Pass
	5230	-6.042	-5.657	-2.835	11	Pass
802.11ac(VH80)	5230	-8.889	-8.792	-5.830	11	Pass
802.11n(VH20)	5180	-2.187	-1.924	0.957	11	Pass
	5200	-2.013	-2.138	0.935	11	Pass
	5240	-2.106	-2.187	0.864	11	Pass
802.11n(VH40)	5190	-5.22	-5.263	-2.231	11	Pass
	5230	-5.577	-5.447	-2.501	11	Pass
802.11ax(VH20)	5180	-3.325	-3.141	-0.222	11	Pass
	5200	-2.854	-3.19	-0.008	11	Pass
	5240	-3.316	-3.534	-0.413	11	Pass
802.11ax(VH40)	5190	-6.2	-5.826	-2.999	11	Pass
	5230	-6.196	-6.227	-3.201	11	Pass
802.11ax(VH80)	5210	-9.159	-9.276	-6.207	11	Pass

Test mode	Test Channel (MHz)	PSD [dBm/MHz] ANT 1	PSD [dBm/MHz] ANT 2	PSD [dBm/MHz] Total	Limit (dBm)	Result
802.11a	5745	-5.435	-5.588	/	30	Pass
	5785	-5.378	-4.912	/	30	Pass
	5825	-5.199	-5.005	/	30	Pass
802.11ac(VH20)	5745	-5.764	-5.761	-2.752	30	Pass
	5785	-5.981	-5.435	-2.689	30	Pass
	5825	-5.561	-5.019	-2.271	30	Pass
802.11ac(VH40)	5755	-8.86	-8.486	-5.659	30	Pass
	5795	-9.027	-8.469	-5.729	30	Pass
802.11ac(VH80)	5795	-11.71	-10.652	-8.139	30	Pass
802.11n(VH20)	5775	-5.816	-5.51	-2.650	30	Pass
	5745	-5.883	-5.079	-2.452	30	Pass
	5785	-5.471	-5.223	-2.335	30	Pass
802.11n(VH40)	5825	-8.983	-8.364	-5.652	30	Pass
	5755	-8.992	-8.1	-5.513	30	Pass
802.11ax(VH20)	5745	-6.517	-6.052	-3.268	30	Pass
	5785	-6.077	-5.7	-2.874	30	Pass
	5825	-5.807	-5.282	-2.526	30	Pass
802.11ax(VH40)	5755	-8.882	-8.304	-5.573	30	Pass
	5795	-8.815	-8.43	-5.608	30	Pass
802.11ax(VH80)	5775	-11.927	-11.239	-8.559	30	Pass

ANT 1

802.11a-5180

802.11a-5200

802.11a-5240

802.11ac(VH20)-5180

802.11ac(VH20)-5200

802.11ac(VH20)-5240

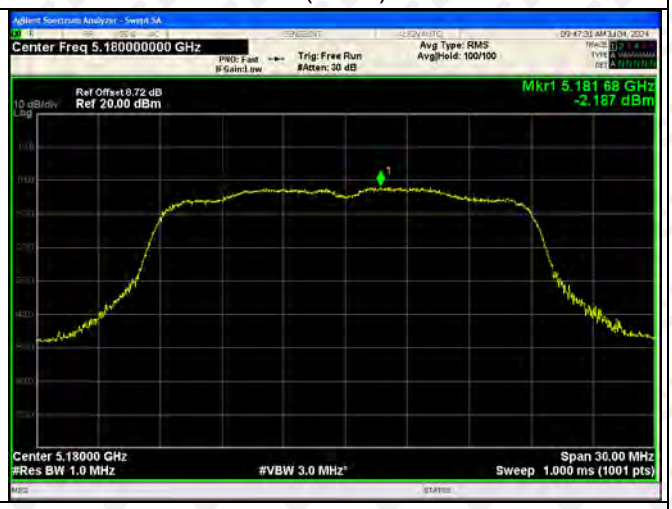
802.11ac(VH40)-5190

802.11ac(VH40)-5230

802.11ac(VH80)-5210

802.11n(HT20)-5180

802.11n(HT20)-5200



802.11n(HT20)-5240

802.11n(HT40)-5190

802.11n(HT40)-5230

802.11ax(VH20)-5180

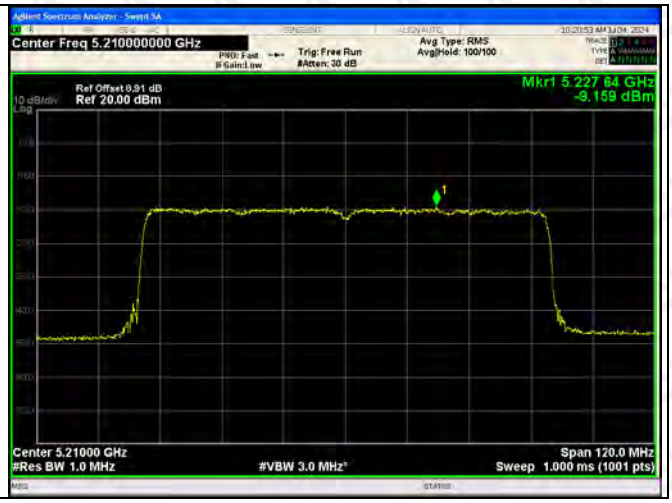
802.11ax(VH20)-5200

802.11ax(VH20)-5240

802.11ax(VH40)-5190

802.11ax(VH40)-5230

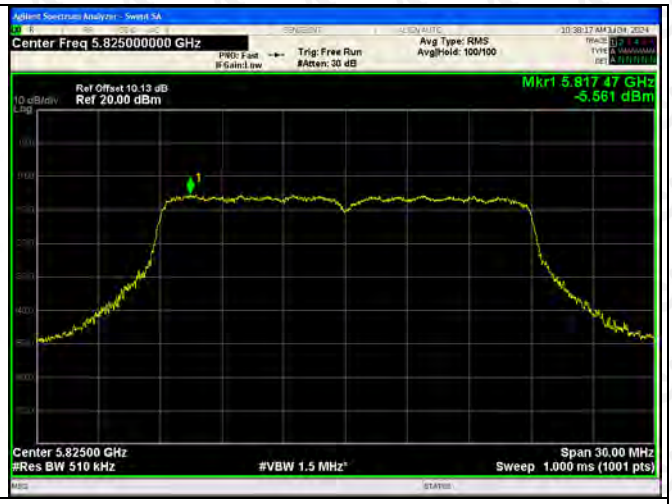
802.11ax(VH80)-5210



ANT1:

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

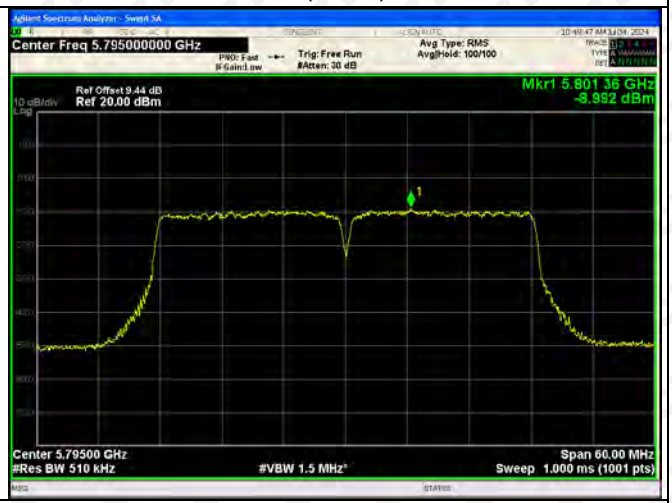
802.11n(HT20)-5785

802.11n(HT20)-5825

5802.11n(HT40)-5755

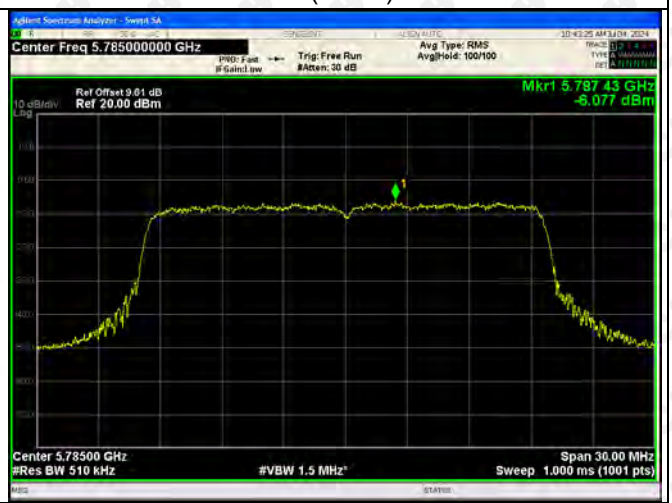
802.11n(HT40)-5795

802.11ax(VH20)-5745



802.11ax(VH20)-5785

802.11ax(VH20)-5825



802.11ax(VH40)-5755

802.11ax(VH40)-5795

802.11ax(VH80)-5775

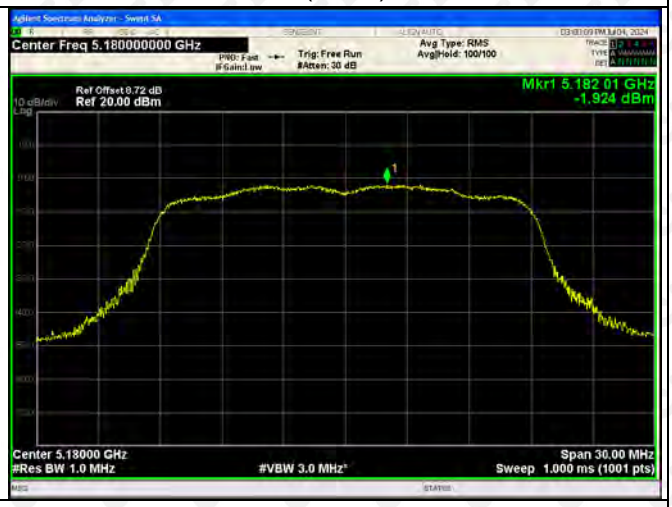
ANT 2

802.11a-5180	802.11a-5200
	
802.11a-5240	802.11ac(VH20)-5180
	
802.11ac(VH20)-5200	802.11ac(VH20)-5240
	
802.11ac(VH40)-5190	802.11ac(VH40)-5230

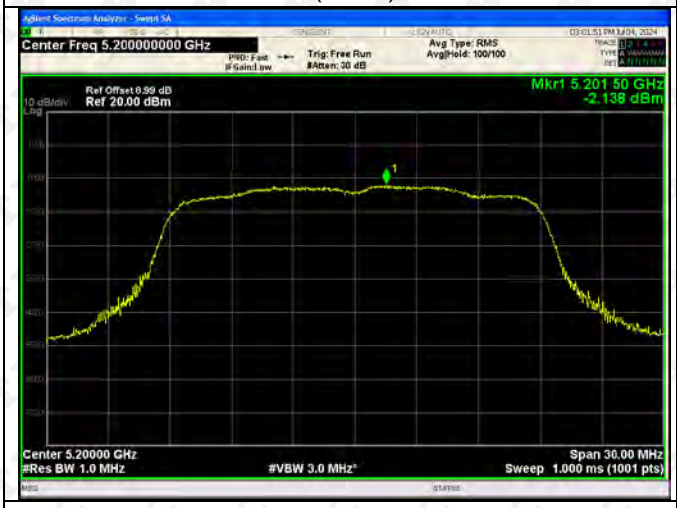
802.11ac(VH80)-5210

802.11n(HT20)-5180

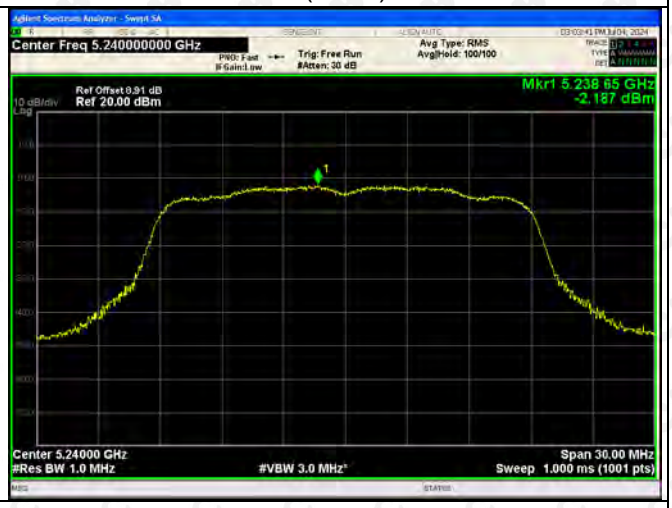
802.11n(HT20)-5200



802.11n(HT20)-5240



802.11n(HT40)-5190



802.11n(HT40)-5230

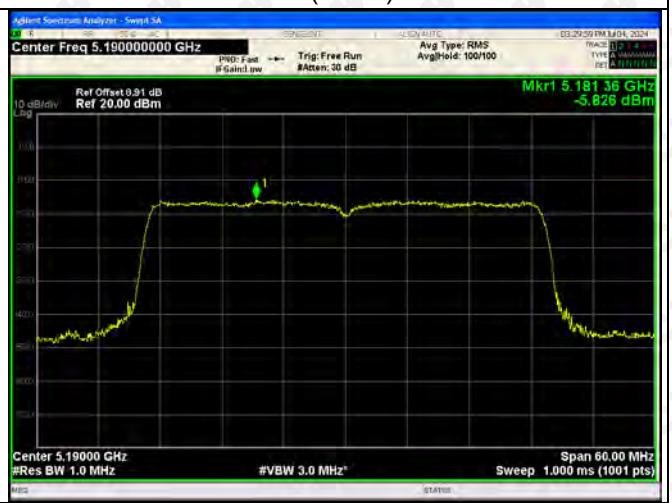
802.11ax(VH20)-5180

802.11ax(VH20)-5200

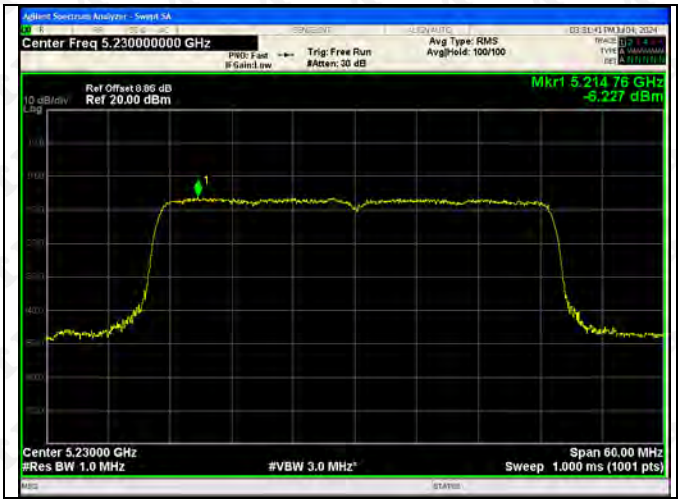
802.11ax(VH20)-5240

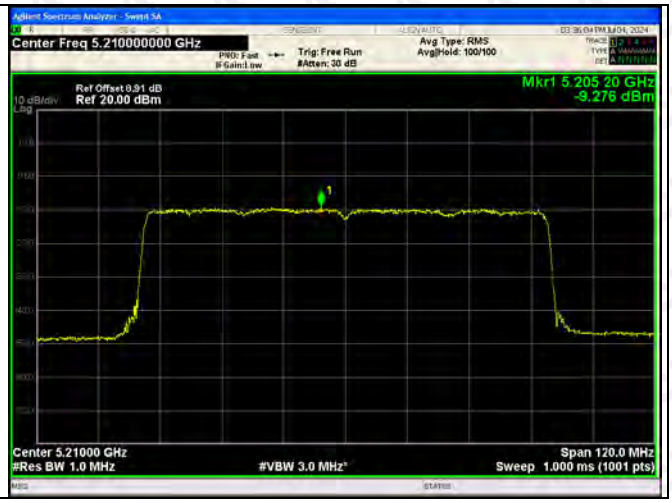
802.11ax(VH40)-5190

802.11ax(VH40)-5230



802.11ax(VH80)-5210





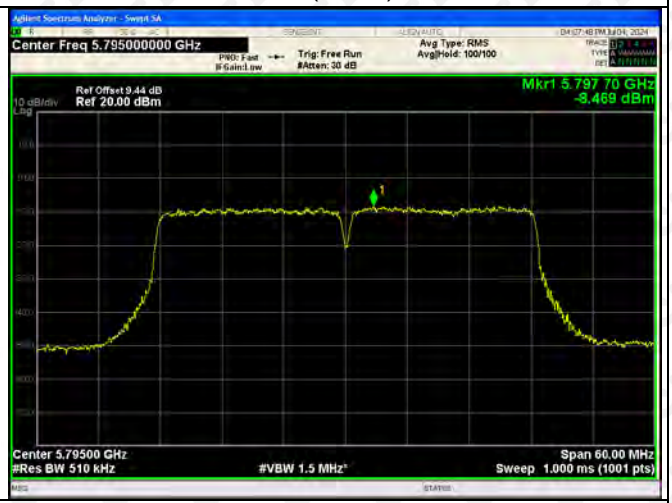
ANT2:

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

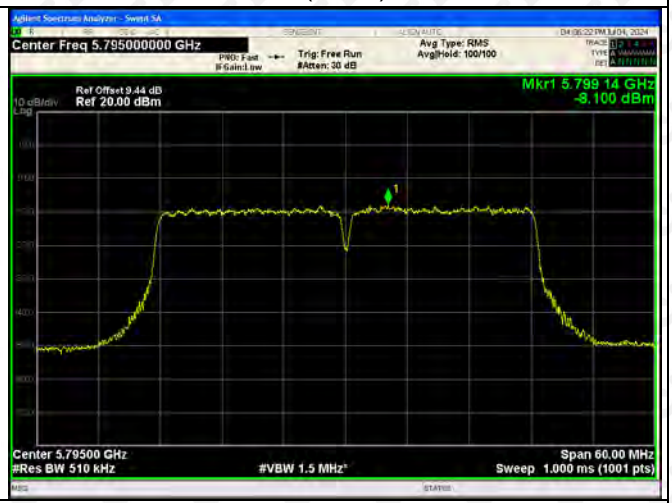
802.11n(HT20)-5785

802.11n(HT20)-5825

5802.11n(HT40)-5755

802.11n(HT40)-5795

802.11ax(VH20)-5745



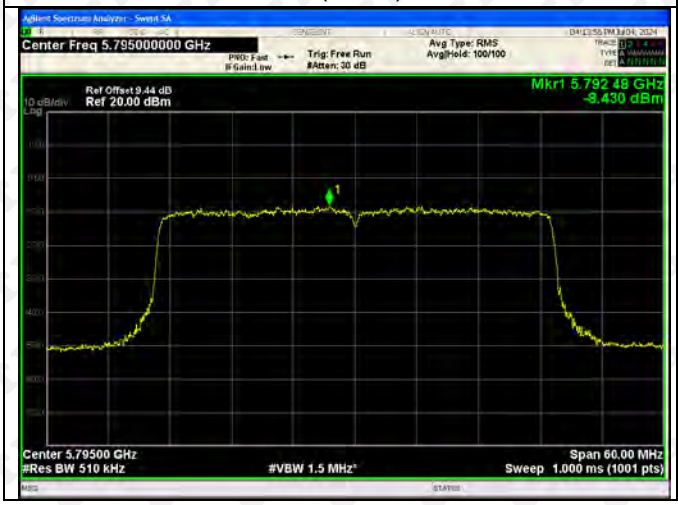
802.11ax(VH20)-5785

802.11ax(VH20)-5825

802.11ax(VH40)-5755

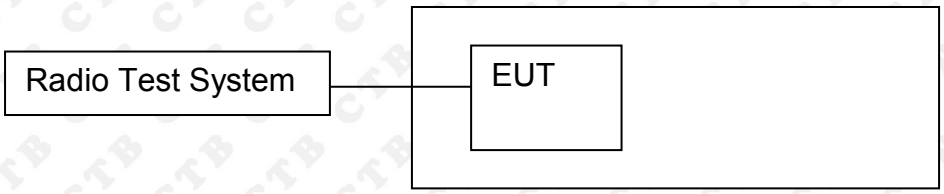
802.11ax(VH40)-5795

802.11ax(VH80)-5775



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

TX Frequency (5150-5250MHz)

ANT1

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5180.0878	5180	0.0878	16.9489
		V max (V)	132	5180.0539	5180	0.0539	10.4134
		V min (V)	108	5180.0734	5180	0.0734	14.1653
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5180.0335	5180	0.0335	6.4732
		T (°C)	10	5180.0248	5180	0.0248	4.7947
		T (°C)	20	5180.0393	5180	0.0393	7.5848
		T (°C)	30	5180.0404	5180	0.0404	7.7917
		T (°C)	40	5180.0196	5180	0.0196	3.7808
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5200.0490	5200	0.0490	9.4247
		V max (V)	132	5200.0236	5200	0.0236	4.5478
		V min (V)	108	5200.0160	5200	0.0160	3.0678
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5200.0055	5200	0.0055	1.0609
		T (°C)	10	5200.0160	5200	0.0160	3.0691
		T (°C)	20	5200.0337	5200	0.0337	6.4784
		T (°C)	30	5200.0404	5200	0.0404	7.7659
		T (°C)	40	5200.0291	5200	0.0291	5.5945
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5240.0032	5240	0.0032	0.6106
		V max (V)	132	5240.0446	5240	0.0446	8.5191
		V min (V)	108	5240.0272	5240	0.0272	5.1859
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5240.0320	5240	0.0320	6.1090
		T (°C)	10	5240.0532	5240	0.0532	10.1434
		T (°C)	20	5240.0161	5240	0.0161	3.0718
		T (°C)	30	5240.0162	5240	0.0162	3.0922
		T (°C)	40	5240.0105	5240	0.0105	2.0018
Limits				±20ppm			
Result				Complies			

TX Frequency (5725-5850MHz)

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5745.0918	5745	0.0918	15.9775
		V max (V)	132	5745.0809	5745	0.0809	14.0897
		V min (V)	108	5745.0918	5745	0.0918	15.9775
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5745.0256	5745	0.0256	4.4558
		T (°C)	10	5745.0256	5745	0.0256	4.4517
		T (°C)	20	5745.0599	5745	0.0599	10.4334
		T (°C)	30	5745.0877	5745	0.0877	15.2713
		T (°C)	40	5745.0822	5745	0.0822	14.3104
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5785.0007	5785	0.0007	0.1195
		V max (V)	132	5785.0443	5785	0.0443	7.6649
		V min (V)	108	5785.0219	5785	0.0219	3.7852
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5785.0266	5785	0.0266	4.6006
		T (°C)	10	5785.0659	5785	0.0659	11.3836
		T (°C)	20	5785.0383	5785	0.0383	6.6206
		T (°C)	30	5785.0219	5785	0.0219	3.7777
		T (°C)	40	5785.0421	5785	0.0421	7.2741
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5825.0698	5825	0.0698	11.9876
		V max (V)	132	5825.0532	5825	0.0532	9.1337
		V min (V)	108	5825.0064	5825	0.0064	1.1058
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5825.0221	5825	0.0221	3.7928
		T (°C)	10	5825.0064	5825	0.0064	1.0902
		T (°C)	20	5825.0365	5825	0.0365	6.2737
		T (°C)	30	5825.0444	5825	0.0444	7.6245
		T (°C)	40	5825.0879	5825	0.0879	15.0848
Limits				±20ppm			
Result				Complies			

ANT2:

TX Frequency (5150-5250MHz)

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5180.0185	5180	0.0185	3.5679
		V max (V)	132	5180.0789	5180	0.0789	15.2356
		V min (V)	108	5180.0448	5180	0.0448	8.6501
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5180.0034	5180	0.0034	0.6519
		T (°C)	10	5180.0410	5180	0.0410	7.9135
		T (°C)	20	5180.0021	5180	0.0021	0.4118
		T (°C)	30	5180.0016	5180	0.0016	0.3024
		T (°C)	40	5180.0483	5180	0.0483	9.3214
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5200.0503	5200	0.0503	9.6820
		V max (V)	132	5200.0806	5200	0.0806	15.5005
		V min (V)	108	5200.0292	5200	0.0292	5.6204
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5200.0288	5200	0.0288	5.5318
		T (°C)	10	5200.0520	5200	0.0520	9.9946
		T (°C)	20	5200.0165	5200	0.0165	3.1700
		T (°C)	30	5200.0199	5200	0.0199	3.8203
		T (°C)	40	5200.0696	5200	0.0696	13.3828
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5240.0044	5240	0.0044	0.8360
		V max (V)	132	5240.0628	5240	0.0628	11.9919
		V min (V)	108	5240.0004	5240	0.0004	0.0802
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5240.0101	5240	0.0101	1.9211
		T (°C)	10	5240.0607	5240	0.0607	11.5850
		T (°C)	20	5240.0168	5240	0.0168	3.2055
		T (°C)	30	5240.0311	5240	0.0311	5.9339
		T (°C)	40	5240.0555	5240	0.0555	10.5821
Limits				±20ppm			
Result				Complies			

TX Frequency (5725-5850MHz)

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5745.0754	5745	0.0754	13.1250
		V max (V)	132	5745.0589	5745	0.0589	10.2481
		V min (V)	108	5745.0672	5745	0.0672	11.7005
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5745.0175	5745	0.0175	3.0486
		T (°C)	10	5745.0230	5745	0.0230	4.0053
		T (°C)	20	5745.0610	5745	0.0610	10.6201
		T (°C)	30	5745.0372	5745	0.0372	6.4807
		T (°C)	40	5745.0545	5745	0.0545	9.4830
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5785.0459	5785	0.0459	7.9309
		V max (V)	132	5785.0400	5785	0.0400	6.9216
		V min (V)	108	5785.0542	5785	0.0542	9.3682
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5785.0714	5785	0.0714	12.3453
		T (°C)	10	5785.0430	5785	0.0430	7.4303
		T (°C)	20	5785.0031	5785	0.0031	0.5328
		T (°C)	30	5785.0604	5785	0.0604	10.4487
		T (°C)	40	5785.0461	5785	0.0461	7.9730
		T (°C)	50	5785.0875	5785	0.0875	15.1283
Limits				±20ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120	5825.0637	5825	0.0637	10.9358
		V max (V)	132	5825.0719	5825	0.0719	12.3506
		V min (V)	108	5825.0229	5825	0.0229	3.9338
Limits				±20ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency：5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	0	5825.0066	5825	0.0066	1.1272
		T (°C)	10	5825.0515	5825	0.0515	8.8469
		T (°C)	20	5825.0217	5825	0.0217	3.7223
		T (°C)	30	5825.0238	5825	0.0238	4.0818
		T (°C)	40	5825.0424	5825	0.0424	7.2731
Limits				±20ppm			
Result				Complies			

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 ASK message transmitting from remote device and verify whether it shall resend or
discontinue transmission. (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.
15.247(b) (4) requirement:
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

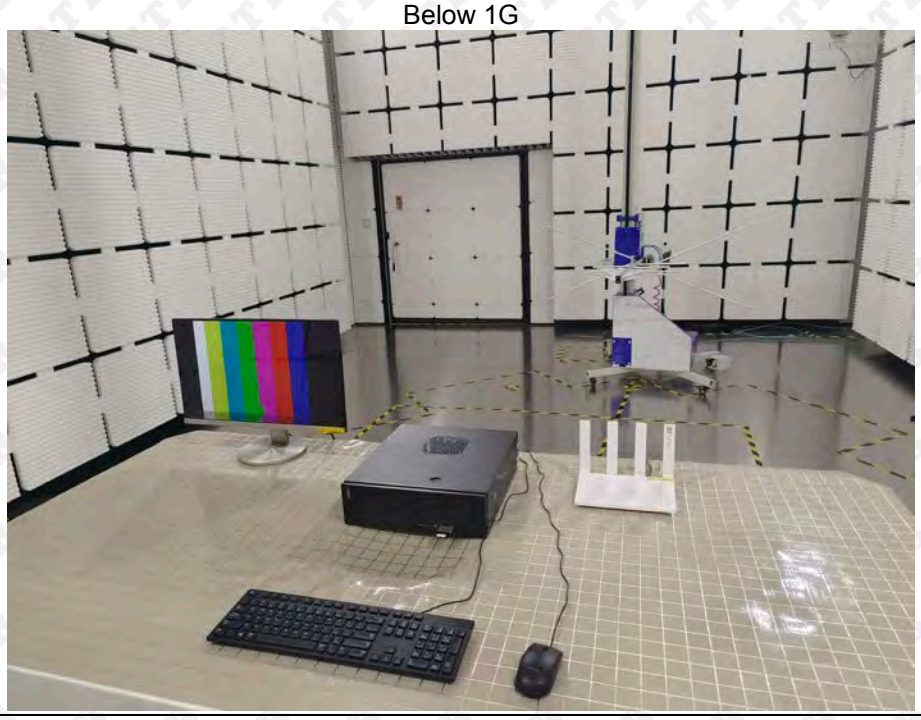
EUT Antenna:

The antenna is glue stick antenna and no consideration of replacement. The best case gain of the antenna is WiFi (5.2G):Ant1: 4.21dBi, Ant2: 4.21dBi, WiFi (5.8G):Ant1: 4.1dBi, Ant2: 4.1dBi.

15. EUT TEST SETUP PHOTOGRAPHS

Radiated Emission

Below 1G



Above 1G

Conducted Emission

※※※※※ END OF REPORT ※※※※※