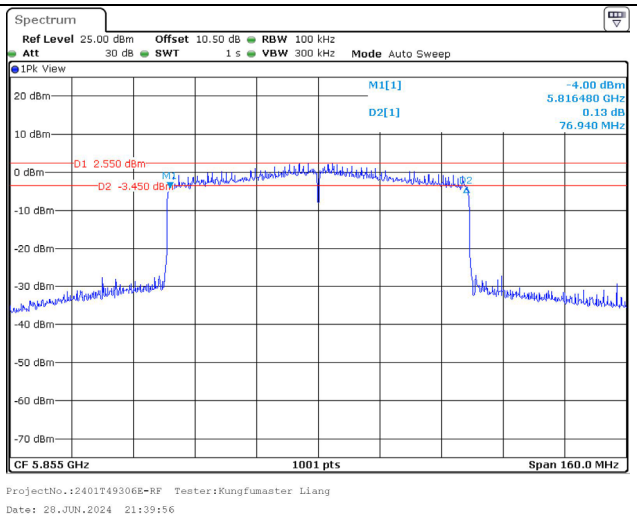
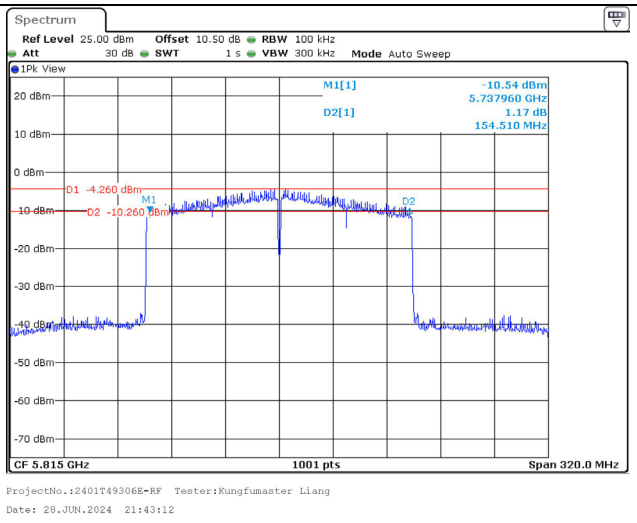
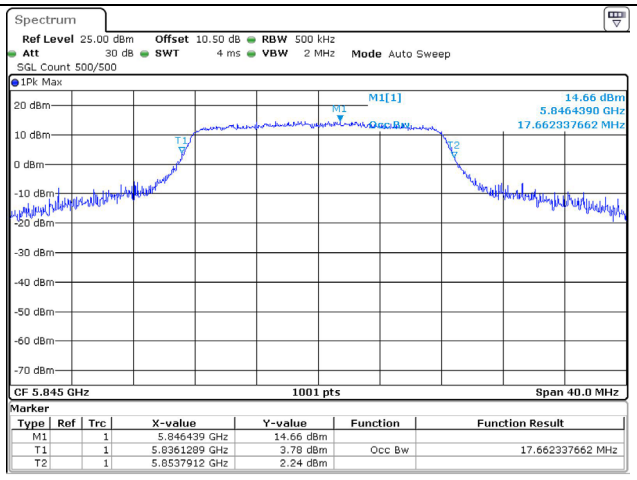
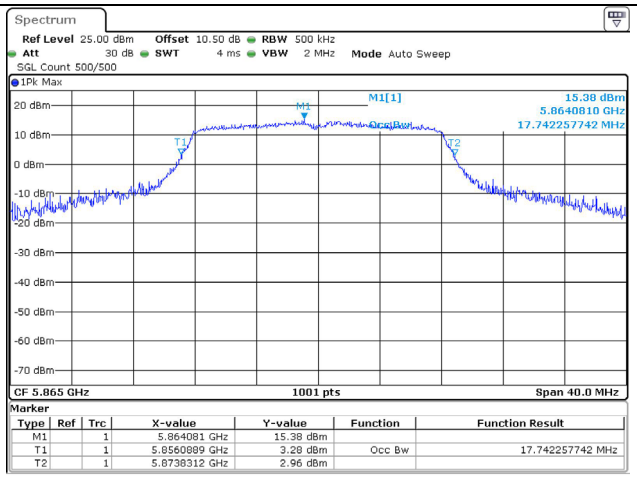
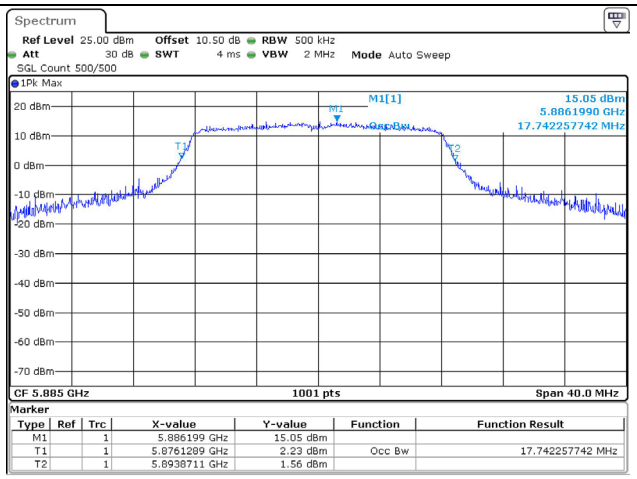
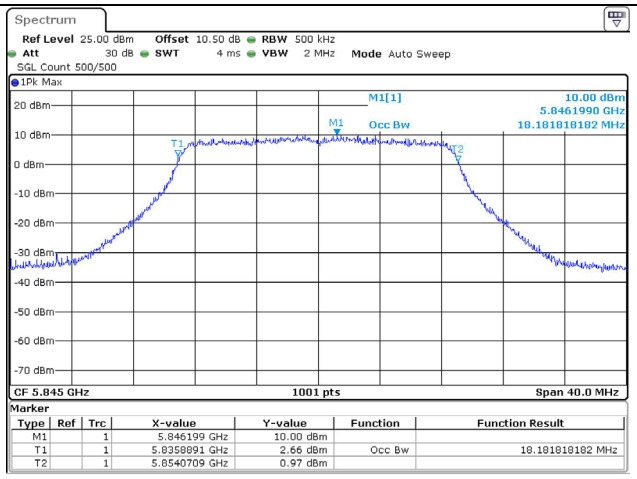
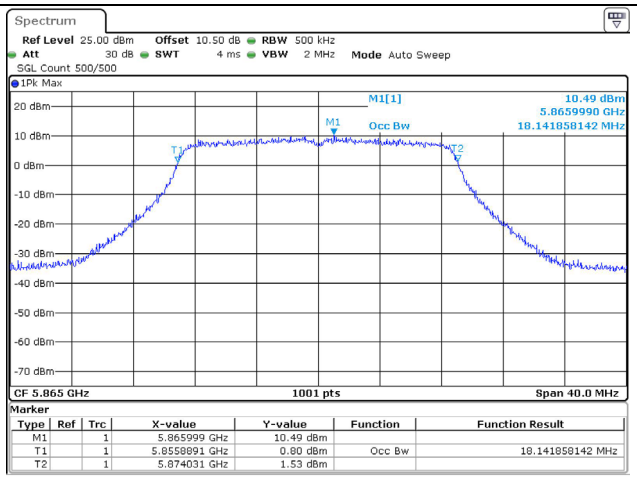
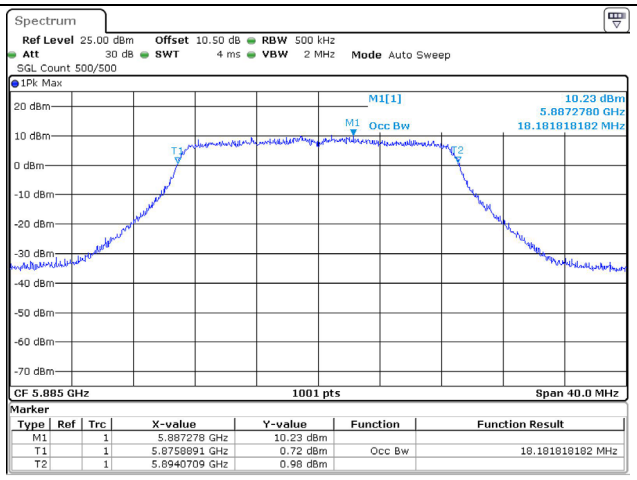
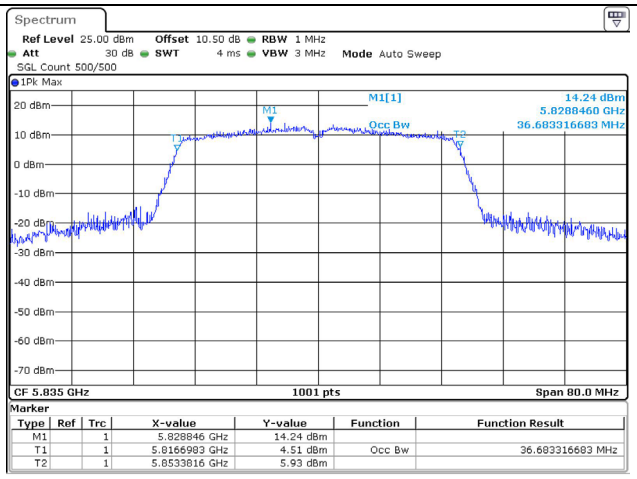
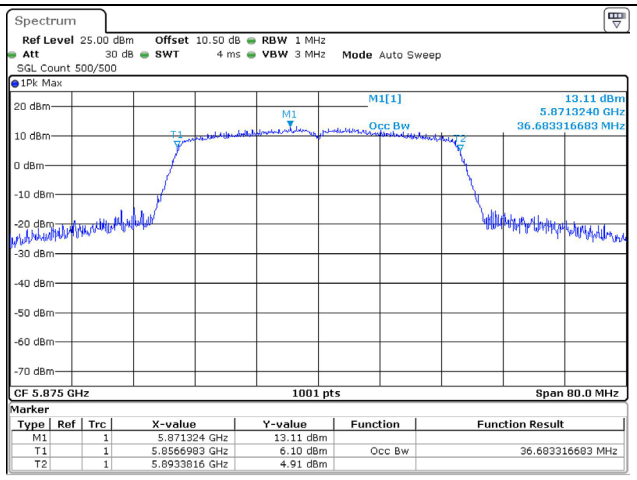
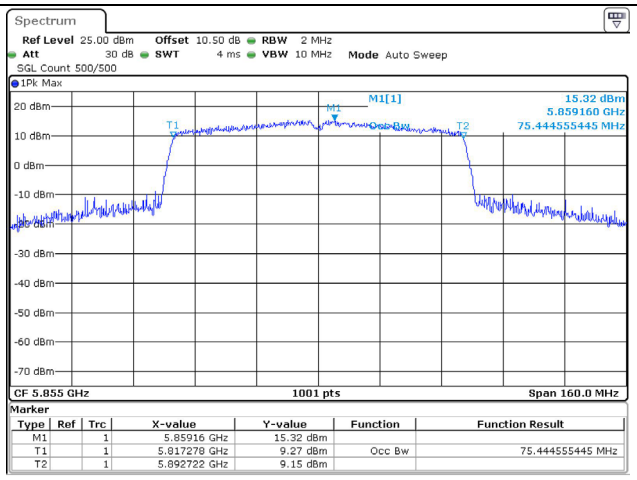
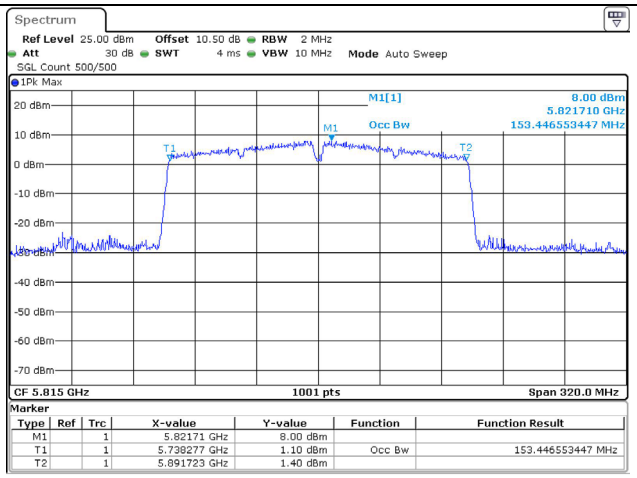
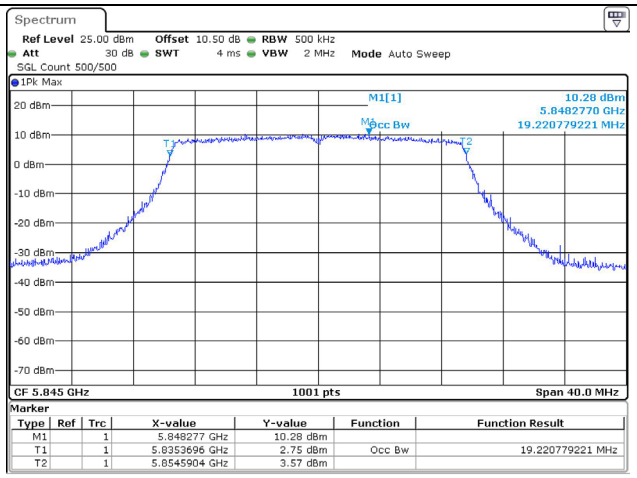
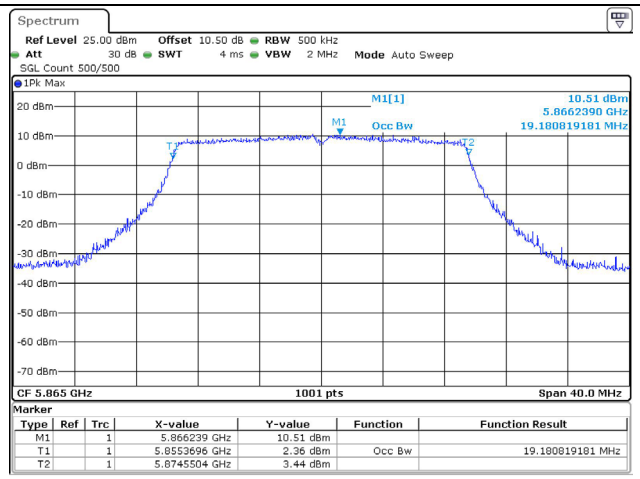
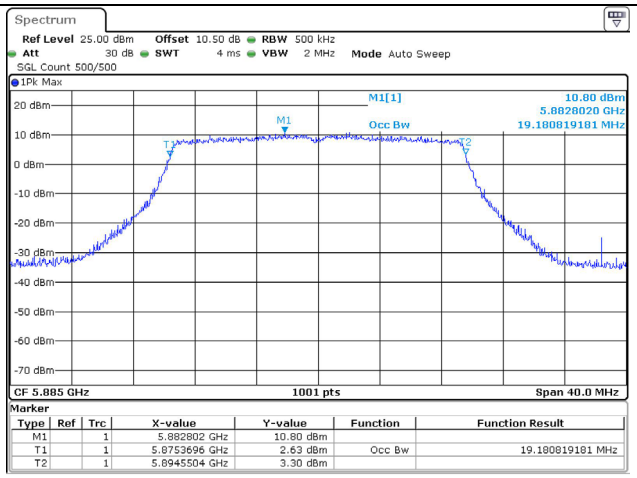
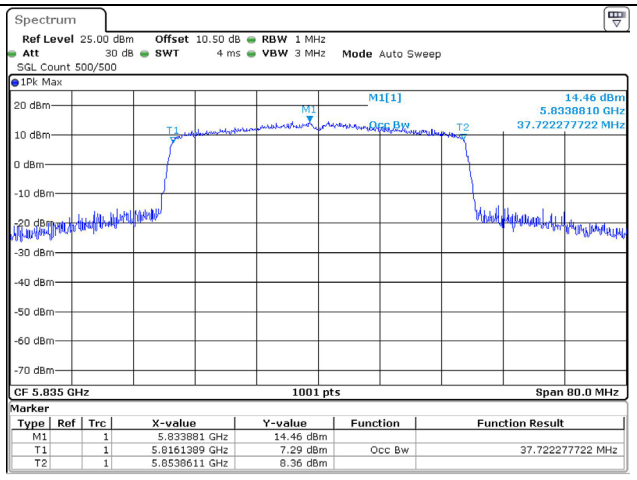
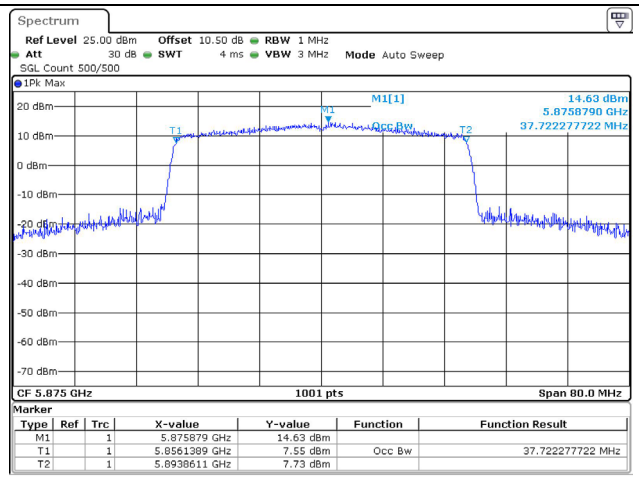
6dB Emission Bandwidth	
802.11ax-HE80 Middle Channel	
802.11ax-HE160 Middle Channel	

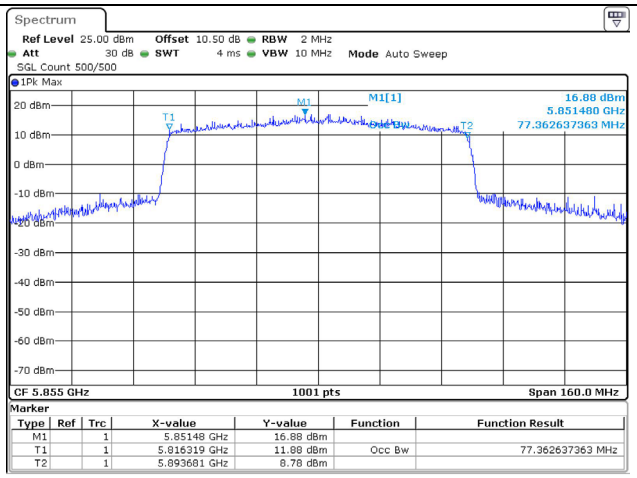
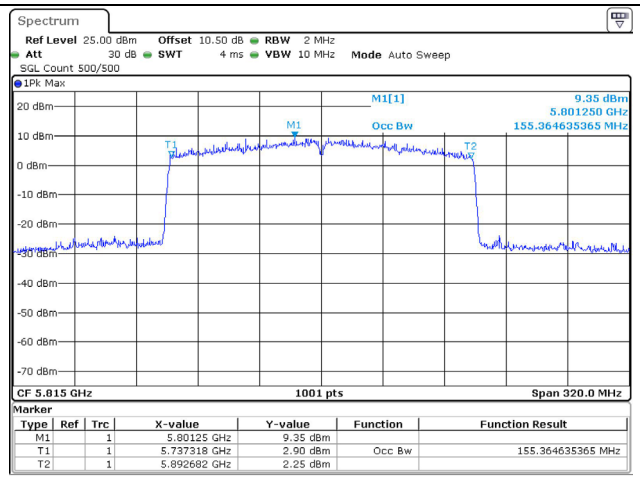
99% Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

99% Emission Bandwidth	
802.11ac-VHT20 Lowest Channel	
802.11ac-VHT20 Middle Channel	
802.11ac-VHT20 Highest Channel	

99% Emission Bandwidth	
802.11ac-VHT40 Lowest Channel	
802.11ac-VHT40 Highest Channel	
802.11ac-VHT80 Middle Channel	

99% Emission Bandwidth	
802.11ac-VHT160 Middle Channel	
802.11ax-HE20 Lowest Channel	
802.11ax-HE20 Middle Channel	

99% Emission Bandwidth	
802.11ax-HE20 Middle Channel	
802.11ax-HE40 Lowest Channel	
802.11ax-HE40 Highest Channel	

99% Emission Bandwidth	
802.11ax-HE80 Middle Channel	
802.11ax-HE160 Middle Channel	

FCC §15.407(a)&(h)(1) - CONDUCTED TRANSMITTER OUTPUT POWER & TRANSMIT POWER CONTROL (TPC)

Applicable Standard

FCC § 15.407 (a):

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.

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 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.

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.

For an indoor access point operating in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 20 dBm e.i.r.p. in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm. Indoor access points operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 36 dBm.

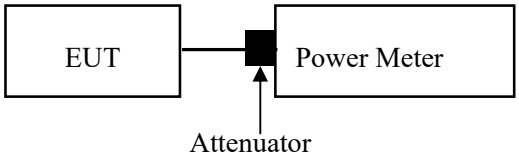
FCC § 15.407 (h) (1) Transmit power control (TPC):

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method PM-G should be applied

a. Place the EUT on a bench and set it in transmitting mode.
b. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.



Test Data

Environmental Conditions

Temperature:	22.5~25.5 ℃
Relative Humidity:	50~58 %
ATM Pressure:	101kPa

The testing was performed by KungfuMaster Liang from 2024-06-06 to 2024-06-27.

EUT operation mode: Transmitting

Test Result: Compliant.

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)				
		ANT0	ANT1	ANT2	Total	Limit
802.11a	5180	20.46	20.46	18.01	/	30
	5200	20.41	20.48	19.49	/	30
	5240	19.29	18.93	18.96	/	30
802.11ac-VHT20	5180	18.05	17.97	18.07	22.80	25.38
	5200	18.08	17.91	18.00	22.77	25.38
	5240	18.80	18.17	18.38	23.23	25.38
802.11ac-VHT40	5190	11.15	11.22	11.09	15.92	25.38
	5230	19.64	19.59	19.71	24.42	25.38
802.11ac-VHT80	5210	8.67	8.64	8.56	13.39	25.38
802.11ac-VHT160	5250	7.57	7.79	7.63	12.44	25.38
802.11ax-HE20	5180	18.13	18.20	18.08	22.91	25.38
	5200	18.22	18.10	18.12	22.92	25.38
	5240	18.59	18.46	18.51	23.29	25.38
802.11ax-HE40	5190	12.04	12.02	11.88	16.75	25.38
	5230	20.00	19.89	20.02	**24.74**	25.38
802.11ax-HE80	5210	8.96	8.94	8.88	13.70	25.38
802.11ax-HE160	5250	8.31	8.49	8.42	13.18	25.38

Note:
The device is an indoor AP.
The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 10 $\log(N_{ANT}/N_{SS})$ dB

Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	TPC	Max. Conducted Average Output Power (dBm)					EIRP (dBm)	
			ANT0	ANT1	ANT2	Total	Limit	Result	Limit
802.11a	5260	TPC_H	19.98	19.94	19.42	/	23.98	/	/
		TPC_L	13.73	13.84	13.38	/	/	19.69	24
	5280	TPC_H	**20.00**	19.57	19.06	/	23.98	/	/
		TPC_L	14.01	13.45	13.01	/	/	19.86	24
	5320	TPC_H	18.53	18.61	18.12	/	23.98	/	/
		TPC_L	12.51	12.54	12.01	/	/	18.39	24
802.11ac-VHT20	5260	TPC_H	12.22	12.25	12.28	17.02	19.36	/	/
		TPC_L	6.50	6.48	6.42	11.24	/	21.86	24
	5280	TPC_H	12.24	12.23	12.33	17.04	19.36	/	/
		TPC_L	6.00	6.12	6.15	10.86	/	21.48	24
	5320	TPC_H	11.74	11.82	11.91	16.60	19.36	/	/
		TPC_L	5.68	5.72	5.83	10.52	/	21.14	24
802.11ac-VHT40	5270	TPC_H	14.39	14.15	14.23	19.03	19.36	/	/
		TPC_L	8.51	8.38	8.41	13.20	/	23.82	24
	5310	TPC_H	14.09	14.05	14.13	18.86	19.36	/	/
		TPC_L	8.10	7.98	8.12	12.84	/	23.46	24
802.11ac-VHT80	5290	TPC_H	10.55	10.50	10.56	15.31	19.36	/	/
		TPC_L	5.46	5.42	5.50	10.23	/	20.85	24
802.11ax-HE20	5260	TPC_H	12.68	12.52	12.52	17.35	19.36	/	/
		TPC_L	6.46	6.41	6.39	11.19	/	21.81	24
	5280	TPC_H	12.65	12.49	12.56	17.34	19.36	/	/
		TPC_L	6.50	6.43	6.42	11.22	/	21.84	24
	5320	TPC_H	12.60	12.06	12.13	17.04	19.36	/	/
		TPC_L	6.37	6.04	6.23	10.99	/	21.61	24
802.11ax-HE40	5270	TPC_H	14.64	14.49	14.12	19.19	19.36	/	/
		TPC_L	8.78	8.51	8.13	13.25	/	23.87	24
	5310	TPC_H	14.43	14.36	14.29	19.13	19.36	/	/
		TPC_L	8.49	8.23	8.27	13.10	/	23.72	24
802.11ax-HE80	5290	TPC_H	10.92	10.80	10.11	15.40	19.36	/	/
		TPC_L	5.75	5.65	5.32	10.35	/	20.97	24

Note:
1. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB
2. For 802.11a mode, EIRP= Max{ $Power_{ANT0}$, $Power_{ANT1}$, $Power_{ANT2}$ }+ Maximum Antenna Gain
3. For 802.11 ac/ax modes, EIRP= Total Power+ Directional Gain

Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	TPC	Max. Conducted Average Output Power (dBm)					EIRP (dBm)	
			ANT0	ANT1	ANT2	Total	Limit	Result	Limit
802.11a	5500	TPC_H	12.81	13.15	13.42	/	23.98	/	/
		TPC_L	6.37	6.95	6.97	/	/	12.82	24
	5580	TPC_H	13.56	14.19	13.17	/	23.98	/	/
		TPC_L	6.98	7.05	6.29	/	/	12.90	24
	5700	TPC_H	15.48	15.58	14.80	/	23.98	/	/
		TPC_L	9.12	9.23	8.76	/	/	15.08	24
802.11ac-VHT20	5500	TPC_H	12.34	12.66	11.79	17.05	19.36	/	/
		TPC_L	5.84	6.27	5.32	10.60	/	21.22	24
	5580	TPC_H	12.54	12.62	11.65	17.06	19.36	/	/
		TPC_L	6.26	6.45	5.29	10.80	/	21.42	24
	5700	TPC_H	12.55	12.09	11.27	16.77	19.36	/	/
		TPC_L	5.99	5.62	5.21	10.39	/	21.01	24
802.11ac-VHT40	5510	TPC_H	14.02	14.18	13.28	18.62	19.36	/	/
		TPC_L	7.43	7.54	7.06	12.12	/	22.74	24
	5550	TPC_H	14.03	14.13	13.13	18.56	19.36	/	/
		TPC_L	7.49	7.51	6.98	12.10	/	22.72	24
	5670	TPC_H	14.50	14.15	13.12	18.73	19.36	/	/
		TPC_L	7.40	7.53	6.89	12.05	/	22.67	24
802.11ac-VHT80	5530	TPC_H	14.26	14.32	13.91	18.94	19.36	/	/
		TPC_L	7.87	7.68	7.53	12.47	/	23.09	24
	5610	TPC_H	14.25	14.33	13.55	18.83	19.36	/	/
		TPC_L	7.94	7.78	7.48	12.51	/	23.13	24
802.11ac-VHT160	5570	TPC_H	11.58	11.80	11.63	16.44	19.36	/	/
		TPC_L	5.42	5.54	5.50	10.26	/	20.88	24
802.11ax-HE20	5500	TPC_H	12.75	12.96	12.56	17.53	19.36	/	/
		TPC_L	6.46	6.53	6.51	11.27	/	21.89	24
	5580	TPC_H	12.98	13.10	12.54	17.65	19.36	/	/
		TPC_L	6.72	6.82	6.49	11.45	/	22.07	24
	5700	TPC_H	12.86	12.44	12.20	17.28	19.36	/	/
		TPC_L	6.45	6.50	6.38	11.21	/	21.83	24
802.11ax-HE40	5510	TPC_H	14.05	14.28	13.93	18.86	19.36	/	/
		TPC_L	8.01	8.13	6.93	12.49	/	23.11	24
	5550	TPC_H	14.14	14.39	13.84	18.90	19.36	/	/
		TPC_L	8.02	8.10	6.89	12.48	/	23.10	24
	5670	TPC_H	14.66	14.39	13.87	19.09	19.36	/	/
		TPC_L	7.58	7.45	6.92	12.10	/	22.72	24
802.11ax-HE80	5530	TPC_H	11.23	11.85	11.69	16.37	19.36	/	/
		TPC_L	5.24	5.30	5.27	10.04	/	20.66	24
	5610	TPC_H	13.95	14.69	14.71	**19.24**	19.36	/	/
		TPC_L	8.31	8.65	8.46	13.25	/	23.87	24
802.11ax-HE160	5570	TPC_H	11.30	11.63	11.35	16.20	19.36	/	/
		TPC_L	5.10	5.46	5.31	10.06	/	20.68	24

Note:
1. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB
2. For 802.11a mode, EIRP= Max{ $Power_{ANT0}$, $Power_{ANT1}$, $Power_{ANT2}$ }+ Maximum Antenna Gain
3. For 802.11 ac/ax modes, EIRP= Total Power+ Directional Gain

Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)				
		ANT0	ANT1	ANT2	Total	Limit
802.11a	5745	18.38	16.99	16.81	/	30
	5785	21.00	16.49	15.94	/	30
	5825	20.88	20.59	20.79	/	30
802.11ac-VHT20	5745	19.45	18.92	18.94	23.88	25.38
	5785	19.82	19.47	19.60	24.40	25.38
	5825	19.48	19.24	19.54	24.19	25.38
802.11ac-VHT40	5755	19.51	19.02	19.19	24.02	25.38
	5795	19.61	19.27	19.52	24.24	25.38
802.11ac-VHT80	5775	16.31	16.09	16.01	20.91	25.38
802.11ax-HE20	5745	19.55	19.04	19.02	23.98	25.38
	5785	19.99	19.54	19.68	24.51	25.38
	5825	19.60	19.37	19.63	24.31	25.38
802.11ax-HE40	5755	19.83	19.37	19.35	24.29	25.38
	5795	20.02	19.61	19.76	**24.57**	25.38
802.11ax-HE80	5775	18.65	18.20	18.23	23.14	25.38
Note: The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB						
Antenna Gain:	5.85	dBi		Directional gain:	10.62	dBi

5850-5895 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)				EIRP (dBm)	
		ANT0	ANT1	ANT2	Total	Result	Limit
802.11a	5845	20.38	20.28	20.63	/	26.48	36
	5865	20.33	20.35	20.56	/	26.41	36
	5885	20.31	20.37	20.40	/	26.25	36
802.11ac-VHT20	5845	14.97	14.90	15.18	19.79	30.41	36
	5865	15.00	14.99	15.12	19.81	30.43	36
	5885	15.01	15.03	14.95	19.77	30.39	36
802.11ac-VHT40	5835	17.45	17.41	17.68	22.29	32.91	36
	5875	17.49	17.53	17.55	22.29	32.91	36
802.11ac-VHT80	5855	18.38	18.46	18.61	23.26	33.88	36
802.11ac-VHT160	5815	13.50	13.38	13.68	18.29	28.91	36
802.11ax-HE20	5845	15.34	15.14	15.17	19.99	30.61	36
	5865	15.32	15.17	15.15	19.99	30.61	36
	5885	15.19	15.20	15.16	19.95	30.57	36
802.11ax-HE40	5835	18.03	17.68	17.76	22.60	33.22	36
	5875	17.92	17.80	17.78	22.60	33.22	36
802.11ax-HE80	5855	18.96	18.71	18.74	**23.58**	34.20	36
802.11ax-HE160	5815	14.71	14.67	14.99	19.56	30.18	36

Note:
1. The device is an indoor AP.
2. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB
3. For 802.11a mode, EIRP= Max{ $Power_{ANT0}$, $Power_{ANT1}$, $Power_{ANT2}$ }+ Maximum Antenna Gain
4. For 802.11 ac/ax modes, EIRP= Total Power+ Directional Gain

Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

FCC §15.407(a) - POWER SPECTRAL DENSITY

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.

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.

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.

For an indoor access point operating in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 20 dBm e.i.r.p. in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm. Indoor access points operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 36 dBm.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Duty cycle ≥98%

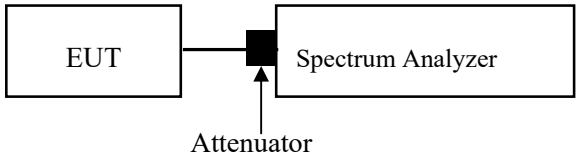
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle <98%, duty cycle variations are less than ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle <98%, duty cycle variations exceed ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.



Test Data

Environmental Conditions

Temperature:	22.5~25.5 ℃
Relative Humidity:	50~58 %
ATM Pressure:	101kPa

The testing was performed by KungfuMaster Liang from 2024-06-06 to 2024-07-09.

EUT operation mode: Transmitting

Test Result: Compliant.

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)				
		ANT0	ANT1	ANT2	Total	Limit
802.11a	5180	9.75	9.84	7.39	/	17
	5200	9.74	9.89	8.52	/	17
	5240	7.80	7.61	7.84	/	17
802.11ac-VHT20	5180	6.98	6.76	6.53	11.53	12.38
	5200	7.01	7.17	6.99	11.83	12.38
	5240	7.65	6.89	7.78	12.23	12.38
802.11ac-VHT40	5190	-2.10	-1.68	-1.82	2.91	12.38
	5230	6.28	6.29	6.64	11.18	12.38
802.11ac-VHT80	5210	-7.45	-7.54	-7.79	-2.82	12.38
802.11ac-VHT160	5250	-11.38	-10.85	-11.54	-6.48	12.38
802.11ax-HE20	5180	6.83	6.61	7.12	11.63	12.38
	5200	6.78	6.54	7.57	11.76	12.38
	5240	7.01	6.97	7.15	11.82	12.38
802.11ax-HE40	5190	-1.43	-1.31	-1.34	3.41	12.38
	5230	6.10	7.00	6.44	11.30	12.38
802.11ax-HE80	5210	-7.33	-7.78	-7.44	-2.74	12.38
802.11ax-HE160	5250	-11.02	-10.49	-10.95	-6.04	12.38

Note:
1. The device is a Indoor AP
2. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices: Array Gain = 10 $\log(N_{ANT}/N_{SS})$ dB
3. Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01was used for PSD test.

Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)				
		ANT0	ANT1	ANT2	Total	Limit
802.11a	5260	8.97	9.29	8.65	/	11
	5280	9.46	9.39	8.28	/	11
	5320	7.62	8.06	7.07	/	11
802.11ac-VHT20	5260	1.58	1.54	1.23	6.22	6.38
	5280	1.57	1.41	1.34	6.21	6.38
	5320	1.28	1.12	1.46	6.06	6.38
802.11ac-VHT40	5270	1.29	1.48	1.43	6.17	6.38
	5310	0.52	1.33	1.35	5.85	6.38
802.11ac-VHT80	5290	-7.06	-6.46	-6.72	-1.97	6.38
802.11ax-HE20	5260	1.61	1.52	1.41	6.29	6.38
	5280	1.35	1.66	1.26	6.20	6.38
	5320	0.77	1.06	1.59	5.92	6.38
802.11ax-HE40	5270	1.44	1.46	1.28	6.17	6.38
	5310	1.07	1.50	1.40	6.10	6.38
802.11ax-HE80	5290	-5.56	-5.47	-5.16	-0.62	6.38
Note: 1. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB 2. Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01was used for PSD test.						
Antenna Gain:	5.85	dBi	Directional gain:		10.62	dBi

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)				
		ANT0	ANT1	ANT2	Total	Limit
802.11a	5500	2.97	2.34	1.79	/	11
	5580	3.20	3.46	1.75	/	11
	5700	5.66	4.37	3.75	/	11
802.11ac-VHT20	5500	1.28	1.15	1.16	5.97	6.38
	5580	1.34	1.59	0.65	5.98	6.38
	5700	1.47	1.31	0.76	5.96	6.38
802.11ac-VHT40	5510	0.77	1.34	-0.12	5.48	6.38
	5550	0.89	1.14	0.12	5.51	6.38
	5670	1.14	0.98	-0.28	5.43	6.38
802.11ac-VHT80	5530	-1.94	-1.47	-2.30	2.88	6.38
	5610	-2.30	-2.40	-3.02	2.21	6.38
802.11ac-VHT160	5570	-7.35	-6.89	-7.48	-2.46	6.38
802.11ax-HE20	5500	1.20	1.10	1.47	6.03	6.38
	5580	1.30	1.39	1.05	6.02	6.38
	5700	1.45	1.29	1.04	6.03	6.38
802.11ax-HE40	5510	0.42	0.70	0.67	5.37	6.38
	5550	0.71	0.92	0.58	5.51	6.38
	5670	1.16	1.20	0.64	5.78	6.38
802.11ax-HE80	5530	-4.08	-4.26	-4.86	0.38	6.38
	5610	-1.74	-1.52	-2.31	2.93	6.38
802.11ax-HE160	5570	-7.77	-7.19	-7.83	-2.82	6.38

Note:
1. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices: Array Gain = 10 $\log(N_{ANT}/N_{SS})$ dB
2. Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01was used for PSD test.

Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/500kHz)				
		ANT0	ANT1	ANT2	Total	Limit
802.11a	5745	4.09	2.53	2.89	/	30
	5785	6.03	2.59	2.26	/	30
	5825	6.30	6.34	6.20	/	30
802.11ac-VHT20	5745	5.29	4.84	4.73	9.73	25.38
	5785	5.74	5.81	5.52	10.46	25.38
	5825	5.85	5.24	5.50	10.31	25.38
802.11ac-VHT40	5755	3.26	2.67	2.91	7.72	25.38
	5795	3.56	2.98	3.42	8.10	25.38
802.11ac-VHT80	5775	-2.62	-3.18	-3.17	1.79	25.38
802.11ax-HE20	5745	5.48	4.35	4.98	9.73	25.38
	5785	5.93	5.52	5.25	10.35	25.38
	5825	5.15	4.89	5.58	9.99	25.38
802.11ax-HE40	5755	3.72	3.02	3.09	8.06	25.38
	5795	4.28	3.15	3.73	8.52	25.38
802.11ax-HE80	5775	-0.49	-0.85	-1.04	3.98	25.38
Note: The device is a Indoor AP The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01was used for PSD test.						
Antenna Gain:	5.85	dBi	Directional gain:		10.62	dBi

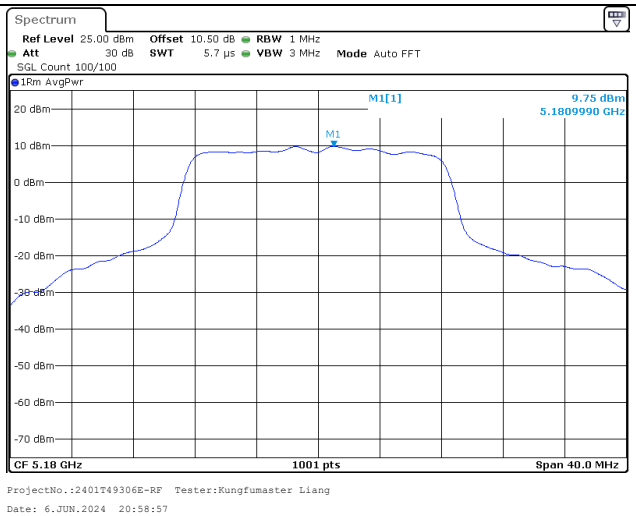
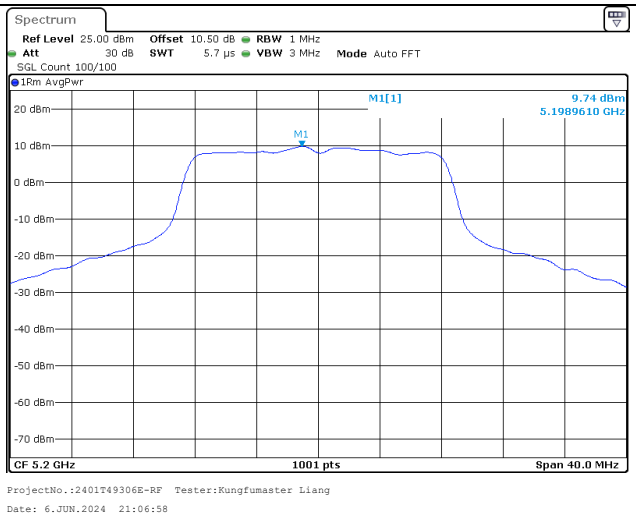
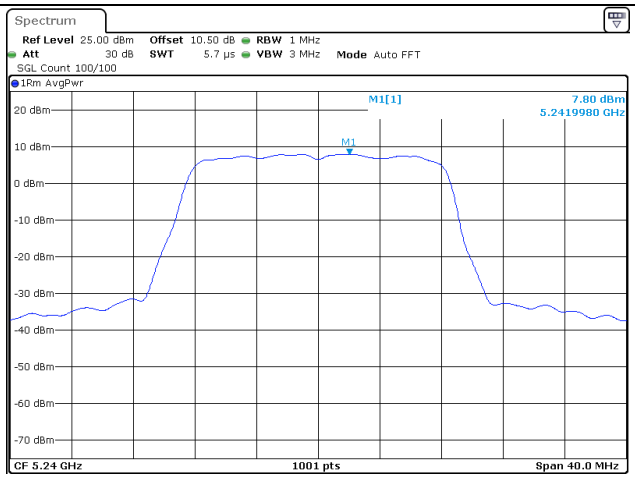
5850-5895 MHz:

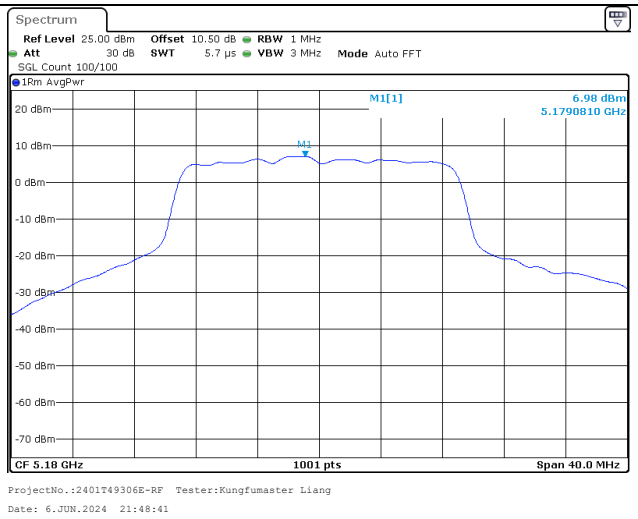
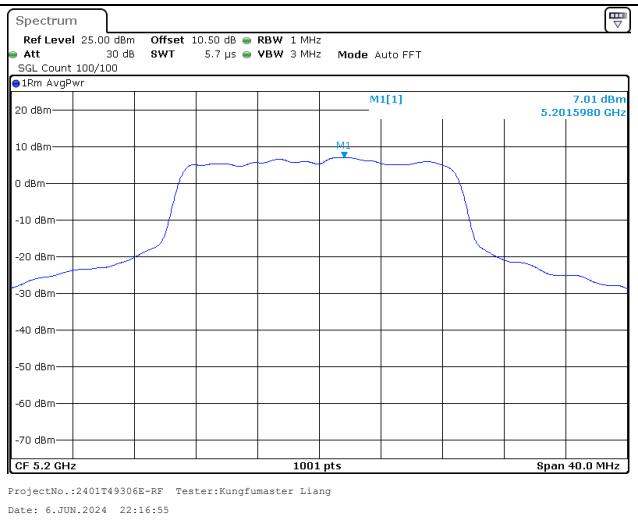
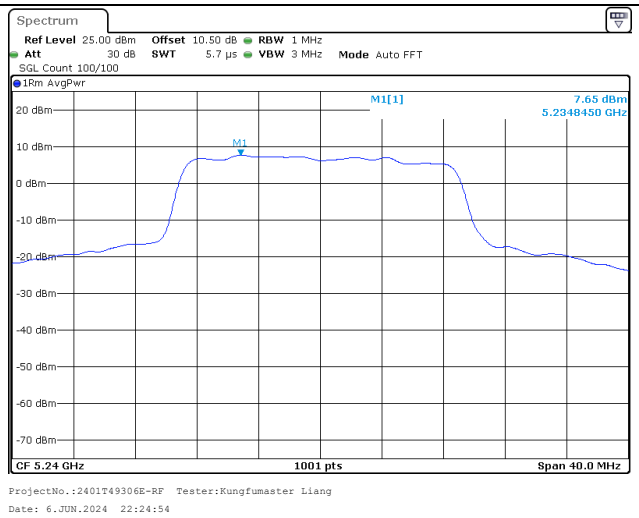
Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)				Maximum EIRP Power Spectral Density (dBm/MHz)	
		ANT0	ANT1	ANT2	Total	Result	Limit
802.11a	5845	9.28	9.62	9.56	/	15.47	20
	5865	9.36	9.66	9.74	/	15.59	20
	5885	9.61	9.99	9.85	/	15.84	20
802.11ac-VHT20	5845	3.96	4.20	4.32	8.93	19.55	20
	5865	3.94	4.27	4.24	8.92	19.54	20
	5885	4.16	4.11	4.39	8.99	19.61	20
802.11ac-VHT40	5835	3.82	3.93	4.14	8.74	19.36	20
	5875	3.90	3.98	4.12	8.77	19.39	20
802.11ac-VHT80	5855	2.30	2.17	2.33	7.04	17.66	20
802.11ac-VHT160	5815	-5.67	-5.61	-5.24	-0.73	9.89	20
802.11ax-HE20	5845	4.12	4.17	4.20	8.93	19.55	20
	5865	3.95	4.18	4.24	8.90	19.52	20
	5885	3.93	4.23	4.15	8.88	19.50	20
802.11ax-HE40	5835	4.36	4.32	4.06	9.02	19.64	20
	5875	4.19	4.44	4.38	9.11	19.73	20
802.11ax-HE80	5855	2.55	2.51	2.52	7.30	17.92	20
802.11ax-HE160	5815	-4.05	-4.49	-3.39	0.82	11.44	20

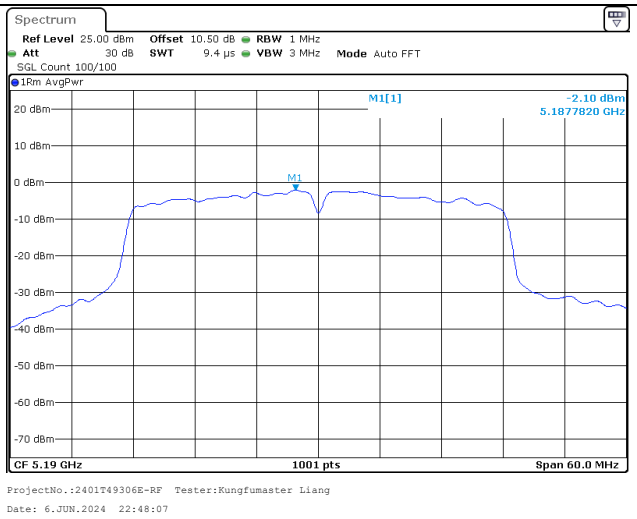
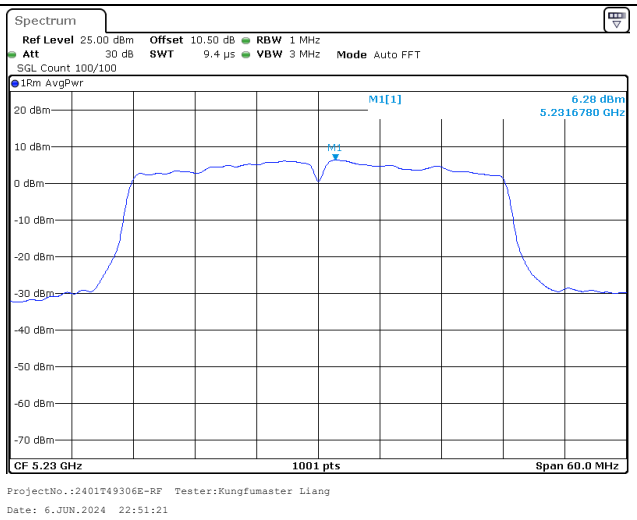
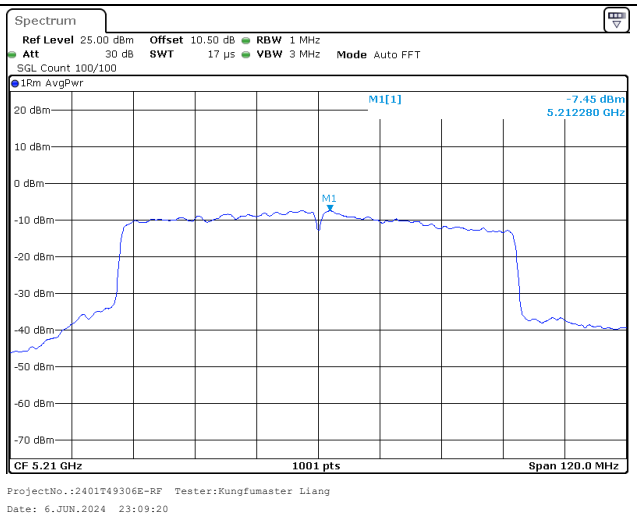
Note:
1. The device is an indoor AP.
2. The device employed Beam-forming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices: Array Gain = 10 $\log(N_{ANT}/N_{SS})$ dB
3. Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01was used for PSD test.
4. For 802.11a mode, EIRP PSD = Max{ PSD_{ANT0}, PSD_{ANT1}, PSD_{ANT2} }+ Maximum Antenna Gain
5. For 802.11 ac/ax modes, EIRP= Total PSD+ Directional Gain

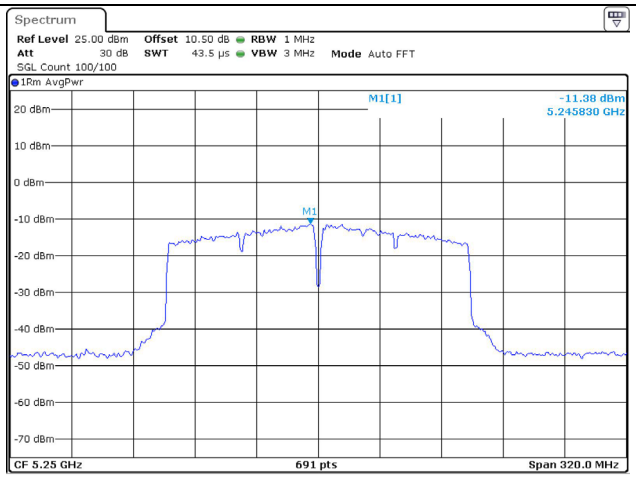
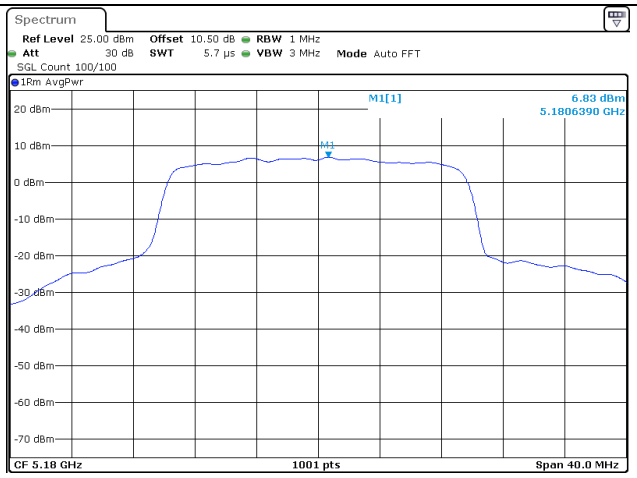
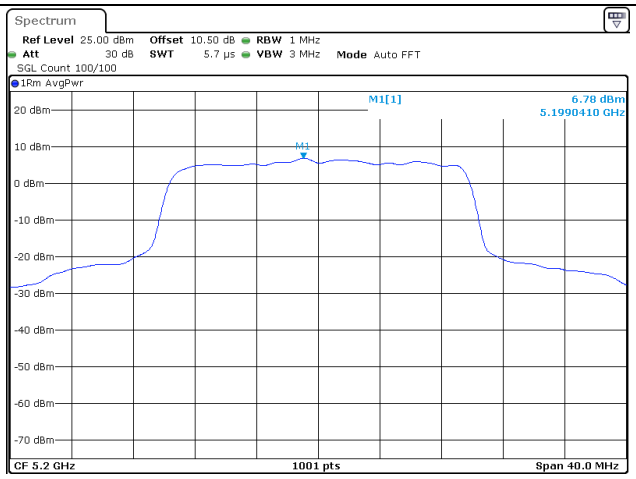
Antenna Gain:	5.85	dBi	Directional gain:	10.62	dBi

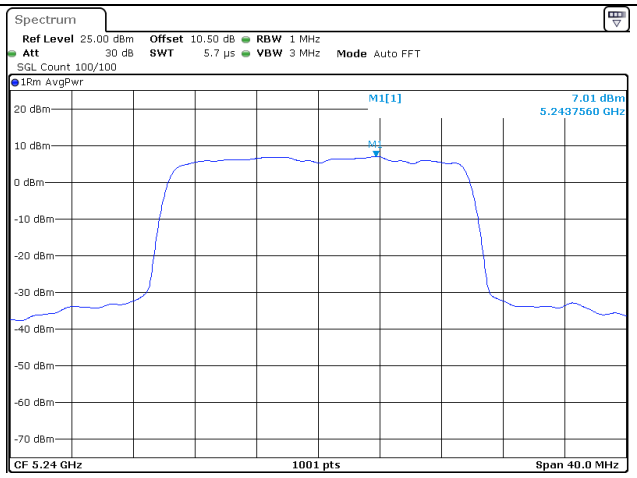
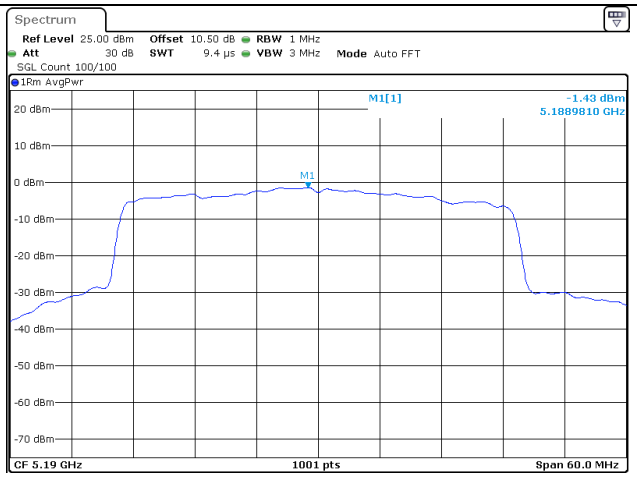
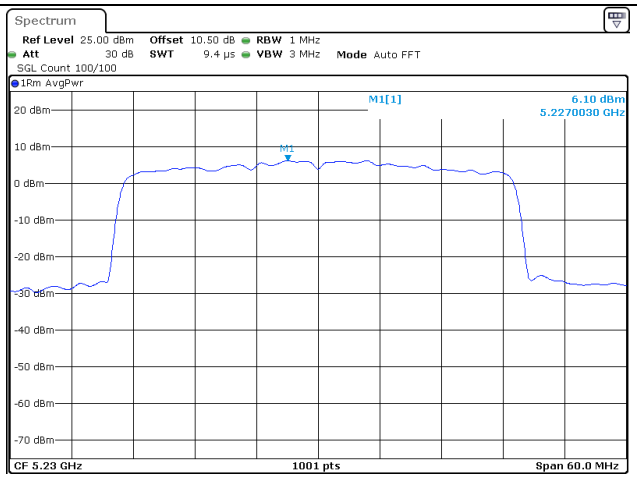
ANT0
5150-5250MHz:

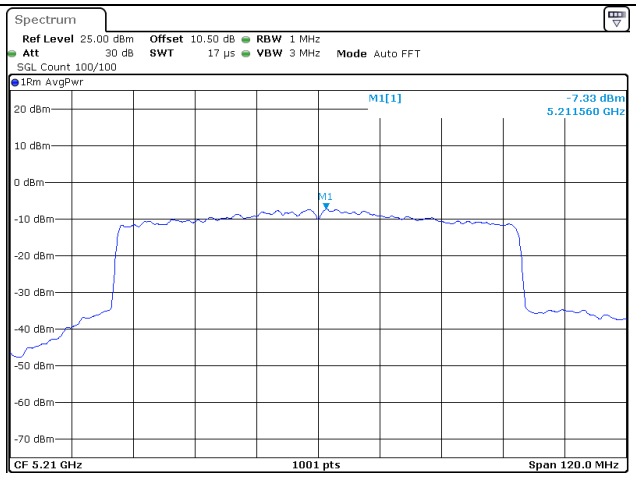
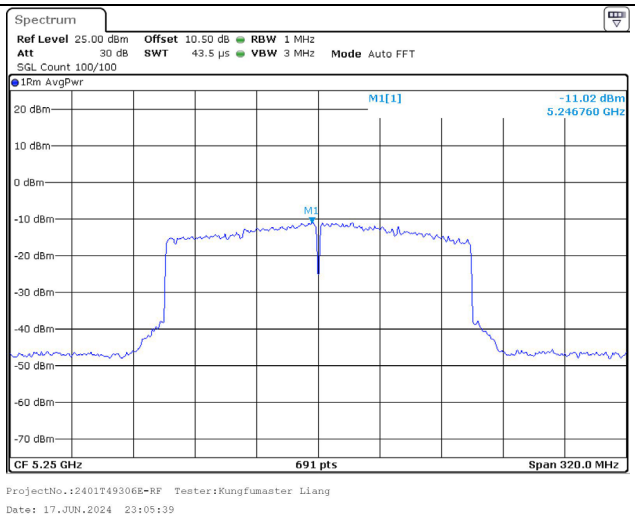
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

Maximum power spectral density	
802.11ac-VHT20 Lowest Channel	
802.11ac-VHT20 Middle Channel	
802.11ac-VHT20 Highest Channel	

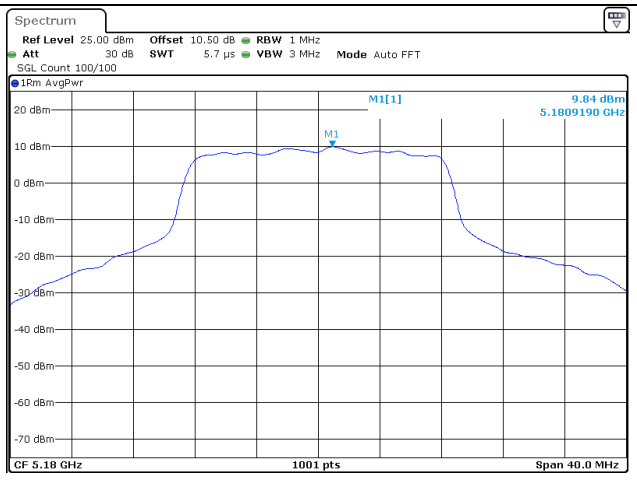
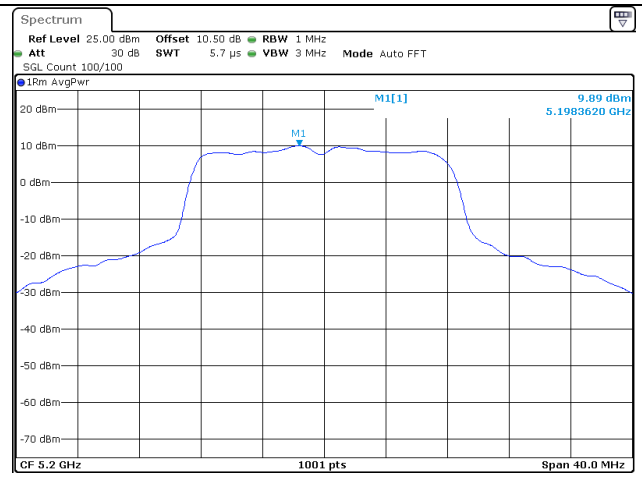
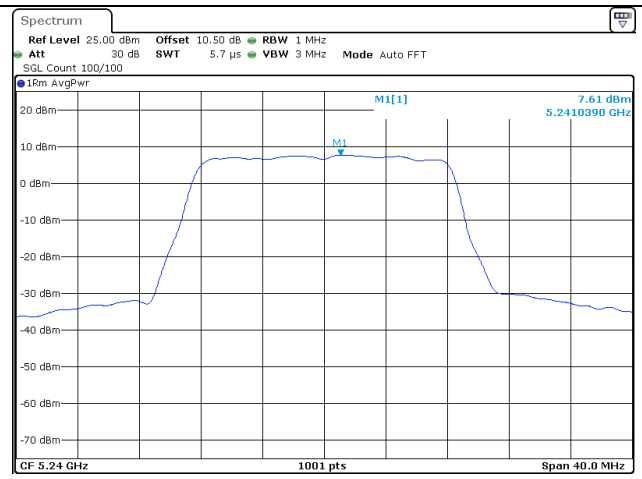
Maximum power spectral density	
802.11ac-VHT40 Lowest Channel	
802.11ac-VHT40 Highest Channel	
802.11ac-VHT80 Middle Channel	

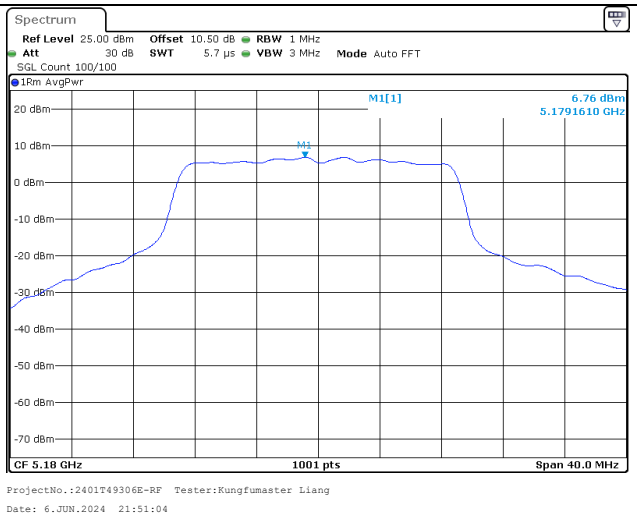
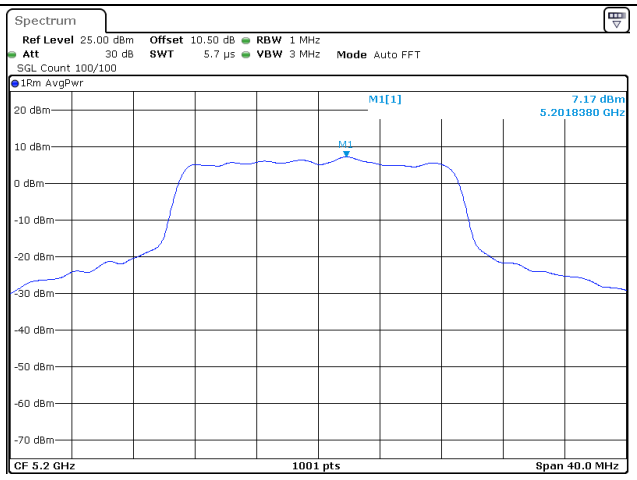
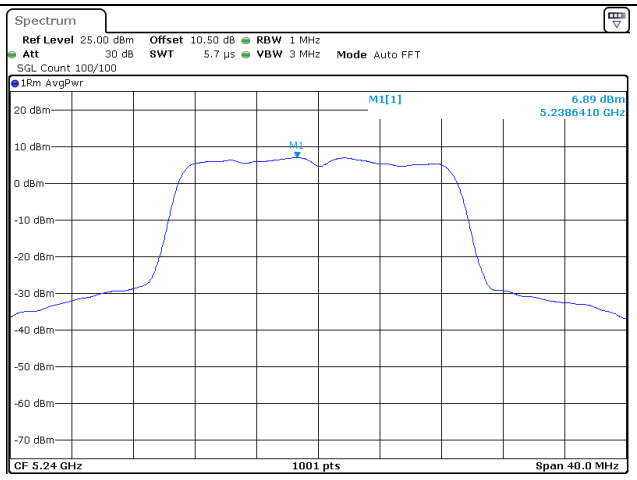
Maximum power spectral density	
802.11ac-VHT160 Middle Channel	
802.11ax-HE20 Lowest Channel	
802.11ax-HE20 Middle Channel	

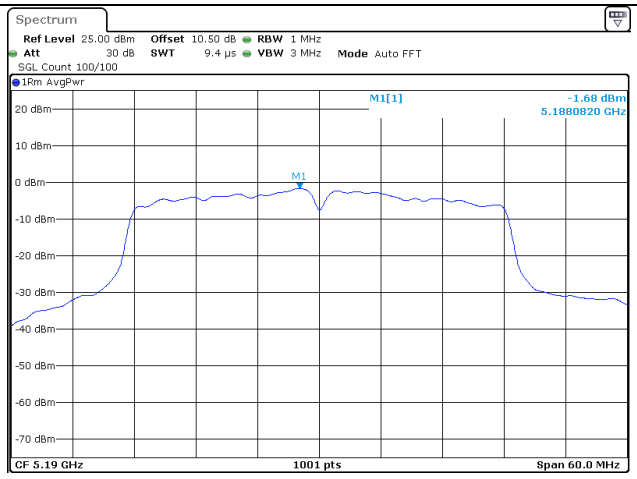
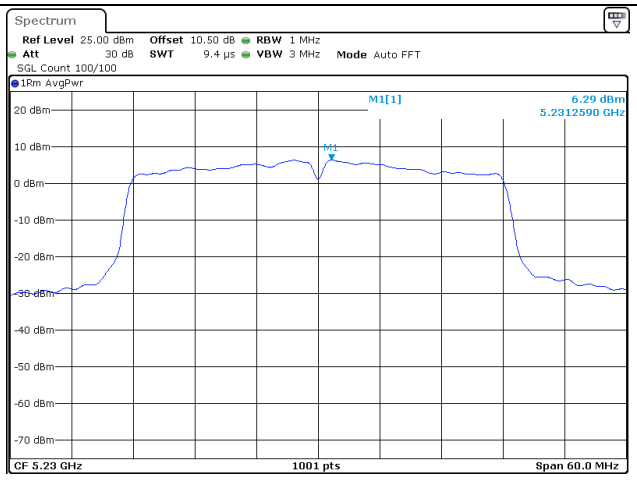
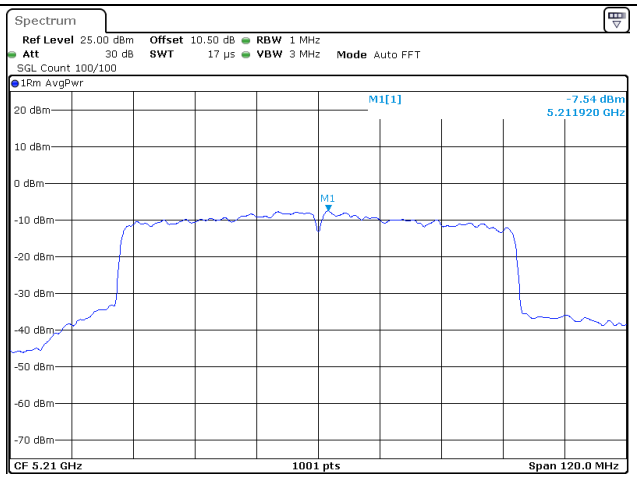
Maximum power spectral density	
802.11ax-HE20 Middle Channel	
802.11ax-HE40 Lowest Channel	
802.11ax-HE40 Highest Channel	

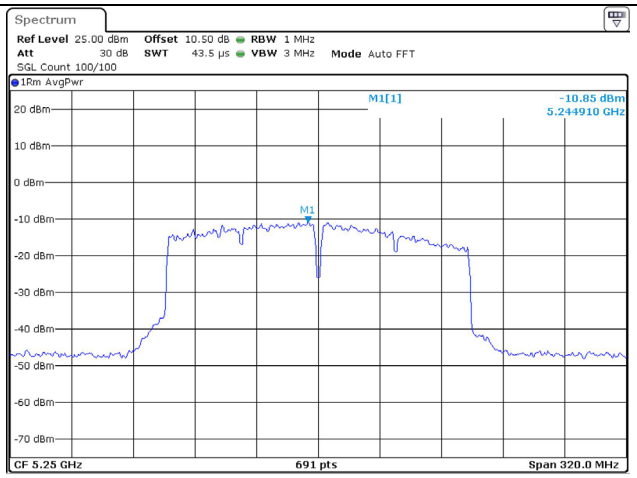
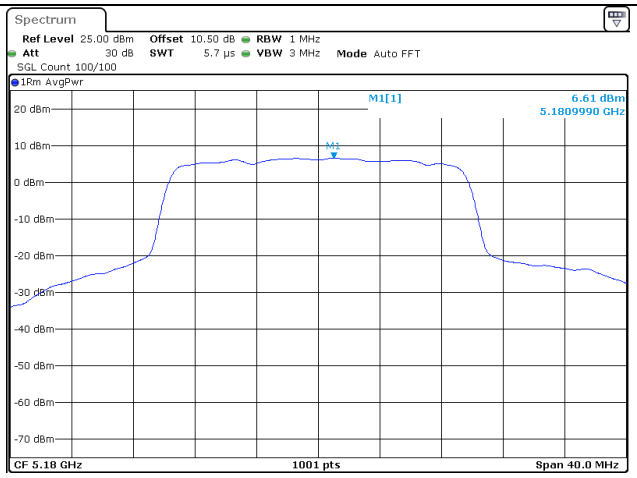
Maximum power spectral density	
802.11ax-HE80 Middle Channel	
802.11ax-HE160 Middle Channel	

ANT1
5150-5250MHz:

Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

Maximum power spectral density	
802.11ac-VHT20 Lowest Channel	
802.11ac-VHT20 Middle Channel	
802.11ac-VHT20 Highest Channel	

Maximum power spectral density	
802.11ac-VHT40 Lowest Channel	
802.11ac-VHT40 Highest Channel	
802.11ac-VHT80 Middle Channel	

Maximum power spectral density	
802.11ac-VHT160 Middle Channel	
802.11ax-HE20 Lowest Channel	
802.11ax-HE20 Middle Channel