

MPE Report

Applicant : Askey Computer Corp
Product Type : Remote Worker Kit
Trade Name : Askey, Unisys
Model Number : 2326RWK
Applicable Standard : 47 CFR § 2.1091
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Approved By :

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Taiwan Accreditation Foundation accreditation number: 1330
Test Firm MRA designation number: TW0010

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Revision History

Rev.	Issued Date	Revisions	Revised By
00	Dec. 24, 2021	Initial Issue	Snow Wang
01	Jan. 06, 2022	Update Trade Name (P.1/ P.5)	Snow Wang

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1. *Reference Applicable Standard*

Standard	Description	Version
IEEE C95.1	American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300 KHz to 100 GHz, New York.	1992
47 CFR Part §2.1091	Radiofrequency radiation exposure evaluation: mobile devices.	-
47 CFR Part §1.1310	Radiofrequency radiation exposure limits.	-

2. Description of Equipment under Test (EUT)

Applicant	Askey Computer Corp 10F, No. 119, JIANKANG RD. ZHONGHE DIST, NEW TAIPEI CITY, Taiwan				
Manufacturer	Askey Computer Corp 10F, No. 119, JIANKANG RD. ZHONGHE DIST, NEW TAIPEI CITY, Taiwan				
Product Type	Remote Worker Kit				
Trade Name	Askey, Unisys				
Model Number	2326RWK				
FCC ID	H8N2326RWK				
Frequency Range	Operate Band			Frequency Range (MHz)	
	IEEE 802.11b / IEEE 802.11g IEEE 802.11n 2.4 GHz 20 MHz(64QAM) (256QAM) IEEE 802.11ax 2.4 GHz 20 MHz			2412 - 2462	
	IEEE 802.11n 2.4 GHz 40 MHz(64QAM) (256QAM) IEEE 802.11ax 2.4 GHz 40 MHz			2422 - 2452	
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz / IEEE 802.11ax 20 MHz			5180 – 5825	
	IEEE 802.11n 5 GHz 40 MHz / IEEE 802.11ac 40 MHz / IEEE 802.11ax 40 MHz			5190 – 5795	
	IEEE 802.11ac 80 MHz / IEEE 802.11ax 80 MHz			5210 – 5775	
Antenna Information	Antenna	Model	Type	Max. Gain (dBi)	
	ANT-0	N03AKANF-T-PK1-E140U	PCB Antenna	2402 – 2480	5.80
				5150 – 5250	5.90
				5250 – 5350	5.80
				5470 – 5725	4.60
				5725 – 5850	5.10
	ANT-1	N03AKANG-T-PK1-K195U	PCB Antenna	2402 – 2480	5.40
				5150 – 5250	5.60
				5250 – 5350	5.60
				5470 – 5725	4.80
				5725 – 5850	5.10
	ANT-2	N03AKANH-T-PK1-P85U	PCB Antenna	2402 – 2480	4.10
				5150 – 5250	4.30
				5250 – 5350	4.60
				5470 – 5725	4.40
				5725 – 5850	4.50
	ANT-3	N03AKANJ-T-PK1-R65U	PCB Antenna	2402 – 2480	4.50
				5150 – 5250	5.30
				5250 – 5350	5.00
				5470 – 5725	4.80
				5725 – 5850	5.40

Antenna Information	G _{ANT}	2402 – 2480	5.00
		5150 – 5250	5.32
		5250 – 5350	5.28
		5470 – 5725	4.65
		5725 – 5850	5.04
	Directional	2402 – 2480	11.00
		5150 – 5250	11.32
		5250 – 5350	11.28
		5470 – 5725	10.67
		5725 – 5850	11.05
Antenna Delivery	IEEE 802.11b		1TX
	IEEE 802.11g IEEE 802.11a		4TX (CDD)
	IEEE 802.11n 2.4 GHz(64QAM) (256QAM) / 802.11ax IEEE 802.11n 5 GHz / 802.11ac / 802.11ax		4TX (CDD / Beamforming on)
RF Evaluation	0.801 mW/cm ²		

The above equipment was tested by A Test Lab Techno Corp. For compliance with the requirements set forth in 47 CFR § 2.1091 / 47 CFR § 1.1310. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

3. Human Exposure Assessment

Due to the design and installation of this product, it is not possible to conduct SAR evaluation. This is because client either manufactures or supplies the antenna(s) that will be used in the installation of this product. Therefore, this product will be evaluated as a mobile device per 47 CFR § 1.1310 titled "Radiofrequency radiation exposure limits", generally referred to as MPE limits.

In 47 CFR § 2.1091, paragraph (b) defines a mobile device as "a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 cm is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons. " This product is intended to be installed into a vehicle such that the unit is physically secured at one location. In the installation guide supplied with the product,

Client has made the following statement: "IMPORTANT: To meet the FCC's RF Exposure Guidelines, the antenna should be installed so there is at least 20 cm of separation between the body of the user and nearby persons and the antenna". Based on the installation of the transceiver and the antenna, the transmitters radiating structure is more than 20 cm from the user. Thus, this product is a "mobile device" as defined in section § 2.1091 paragraph (b).

Exposure evaluation

$$S_{eirp} = \frac{EIRP}{4\pi d^2} = \frac{PG}{4\pi d^2} (W / m^2)$$

Where

S: is the input power (W);

G: is the antenna gain;

d : is the distance between antennas and evaluation point (m).

4. Power Density Limit – RF Exposure Evaluation

Thv In 47 CFR § 1.1310, use of the device as based upon the user's awareness and ability to exercise control over human exposure. The two categories defined are Occupational / Controlled Exposure and General Population / Uncontrolled. These two categories are defined as follow:

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824 / f	2.19 / f	(180 / f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	F / 1,500	30
1,500-100,000	-	-	1.0	30
Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1,842 / f	4.89 / f	(900 / f ²)*	6
30-300	61.4	0.163	1.0	6
300-1,500	-	-	F / 300	6
1,500-100,000	-	-	5	6

4.1 Conducted Power

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11b	1	2412	23.40	---	---	---	---
		2437	23.70	---	---	---	---
		2462	26.66	---	---	---	---
IEEE 802.11g	6	2412	19.00	18.85	18.91	18.88	24.93
		2437	23.40	23.08	22.78	22.88	29.06
		2462	19.26	19.23	18.87	18.75	25.05
IEEE 802.11n 2.4 GHz 20 MHz (64QAM)	26	2412	18.21	18.12	17.80	17.84	24.02
		2437	22.08	21.83	21.37	21.41	27.70
		2462	17.39	17.31	16.84	16.95	23.15
IEEE 802.11n 2.4 GHz 40 MHz (64QAM)	54	2422	17.86	17.70	17.70	17.75	23.77
		2437	18.90	18.82	18.46	18.35	24.66
		2452	16.37	16.31	15.86	16.23	22.22
IEEE 802.11n 2.4 GHz 20 MHz (256QAM)	26	2412	18.26	18.22	17.91	17.99	24.12
		2437	22.11	21.91	21.43	21.56	27.78
		2462	17.44	17.50	16.99	17.09	23.28
IEEE 802.11n 2.4 GHz 40 MHz (256QAM)	54	2422	17.91	17.83	17.77	17.83	23.86
		2437	19.02	18.84	18.50	18.51	24.74
		2452	16.40	16.40	15.96	16.33	22.30
IEEE 802.11ax 2.4 GHz 20 MHz	MCS0	2412	18.58	18.53	18.32	18.40	24.48
		2437	23.04	22.79	22.35	22.49	28.70
		2462	17.87	17.82	17.41	17.42	23.66
IEEE 802.11ax 2.4 GHz 40 MHz	MCS0	2422	18.25	18.21	18.08	18.22	24.21
		2437	19.35	19.15	18.85	18.81	25.07
		2452	16.77	16.80	16.33	16.71	22.68

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11a	6	5180	16.05	16.09	16.19	16.11	22.13
		5200	16.09	16.16	16.32	16.26	22.23
		5220	16.07	16.12	16.28	16.22	22.19
		5240	16.31	16.42	16.35	16.45	22.40
		5260	10.18	10.49	10.25	10.52	16.38
		5280	10.79	11.08	10.91	10.92	16.95
		5300	10.75	11.05	10.88	10.88	16.91
		5320	9.82	9.77	9.79	9.46	15.73
		5500	11.32	10.94	10.89	10.48	16.94
		5520	10.29	10.44	10.30	10.37	16.37
		5540	10.30	10.41	10.27	10.39	16.36
		5560	10.32	10.49	10.39	10.41	16.42
		5580	10.28	10.44	10.34	10.40	16.39
		5660	10.30	10.45	10.31	10.37	16.38
		5680	10.31	10.47	10.33	10.39	16.40
		5700	9.32	9.72	9.84	9.58	15.64
		5745	23.50	23.82	23.81	23.49	29.68
		5765	23.36	23.36	23.68	23.70	29.55
		5785	23.59	23.42	23.76	23.91	29.69
		5805	23.46	23.13	23.28	23.65	29.40
		5825	23.05	22.82	22.86	23.48	29.08

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11n 5 GHz 20 MHz	26	5180	15.91	16.16	16.17	15.99	22.08
		5200	16.14	16.25	16.20	16.21	22.22
		5220	16.16	16.19	16.16	16.21	22.20
		5240	15.97	16.12	16.27	16.42	22.22
		5260	10.67	10.49	10.52	10.38	16.54
		5280	10.92	11.06	10.64	10.79	16.88
		5300	10.76	10.93	10.64	10.64	16.76
		5320	10.28	9.80	10.17	10.09	16.11
		5500	11.40	11.38	11.37	11.28	17.38
		5520	10.73	10.72	10.74	10.71	16.75
		5540	10.88	10.73	10.71	10.84	16.81
		5560	10.92	10.81	10.64	10.74	16.80
		5580	10.77	10.87	10.66	10.65	16.76
		5660	10.91	10.70	10.67	10.74	16.78
		5680	10.77	10.80	10.55	10.80	16.75
		5700	9.33	9.50	9.59	9.40	15.48
		5745	23.23	23.08	22.99	22.96	29.09
		5765	23.34	23.37	22.87	23.02	29.18
		5785	23.41	23.57	22.78	23.32	29.30
		5805	23.19	22.88	22.88	23.12	29.04
		5825	23.10	22.35	22.69	22.86	28.78
IEEE 802.11n 5 GHz 40 MHz	54	5190	18.63	18.61	18.66	18.64	24.66
		5230	19.36	19.16	19.45	19.17	25.31
		5270	13.05	13.10	13.11	13.31	19.16
		5310	13.20	13.14	13.10	13.28	19.20
		5510	13.41	13.29	13.26	13.03	19.27
		5550	13.02	13.13	13.33	13.21	19.19
		5670	11.76	12.45	12.91	12.84	18.53
		5755	23.50	23.34	23.68	23.15	29.44
		5795	23.60	23.11	23.26	23.24	29.33

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11ac 20 MHz	26	5180	15.96	16.23	16.24	16.09	22.15
		5200	16.20	16.26	16.25	16.34	22.28
		5220	16.23	16.23	16.27	16.27	22.27
		5240	16.08	16.13	16.32	16.45	22.27
		5260	10.73	10.62	10.56	10.47	16.62
		5280	10.95	11.09	10.68	10.92	16.93
		5300	10.89	10.95	10.65	10.77	16.84
		5320	10.33	9.85	10.31	10.13	16.18
		5500	11.48	11.43	11.39	11.31	17.42
		5520	10.82	10.84	10.75	10.84	16.83
		5540	10.92	10.83	10.72	10.86	16.85
		5560	10.97	10.84	10.73	10.83	16.86
		5580	10.84	10.88	10.76	10.78	16.84
		5660	10.93	10.79	10.79	10.78	16.84
		5680	10.87	10.86	10.69	10.81	16.83
		5700	9.47	9.53	9.63	9.53	15.56
		5745	23.51	23.26	23.15	23.19	29.30
		5765	23.59	23.62	23.04	23.32	29.42
		5785	23.66	23.74	23.06	23.45	29.51
		5805	23.47	23.15	23.00	23.30	29.25
		5825	23.22	22.63	22.90	23.07	28.98
IEEE 802.11ac 40 MHz	54	5190	18.77	18.65	18.76	18.69	24.74
		5230	19.48	19.27	19.51	19.30	25.41
		5270	13.12	13.21	13.25	13.36	19.26
		5310	13.25	13.24	13.22	13.37	19.29
		5510	13.59	13.43	13.48	13.17	19.44
		5550	13.19	13.23	13.45	13.32	19.32
		5670	11.94	12.58	13.01	12.99	18.67
		5755	23.65	23.49	23.88	23.32	29.61
		5795	23.79	23.28	23.49	23.51	29.54
IEEE 802.11ac 80 MHz	117.2	5210	17.45	17.21	17.35	16.98	23.27
		5290	15.27	15.62	15.44	15.13	21.39
		5530	16.35	16.02	16.31	16.10	22.22
		5775	22.50	21.95	22.13	21.75	28.11

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11ax 20 MHz	MCS0	5180	16.09	16.28	16.29	16.15	22.22
		5200	16.29	16.32	16.35	16.37	22.35
		5220	16.25	16.29	16.31	16.32	22.31
		5240	16.21	16.23	16.42	16.49	22.36
		5260	10.81	10.64	10.62	10.59	16.69
		5280	11.05	11.11	10.81	10.95	17.00
		5300	11.02	11.08	10.77	10.91	16.97
		5320	10.45	9.93	10.41	10.25	16.29
		5500	11.57	11.53	11.41	11.44	17.51
		5520	10.96	10.93	10.84	10.89	16.93
		5540	10.94	10.91	10.82	10.92	16.92
		5560	11.00	10.94	10.87	10.95	16.96
		5580	10.93	10.92	10.83	10.91	16.92
		5660	10.95	10.93	10.81	10.90	16.92
		5680	10.97	10.90	10.82	10.93	16.93
		5700	9.49	9.66	9.75	9.58	15.64
		5745	23.73	23.63	23.38	23.53	29.59
		5765	23.94	23.85	23.35	23.60	29.71
		5785	23.96	24.00	23.42	23.69	29.79
		5805	23.81	23.45	23.40	23.50	29.56
		5825	23.46	22.95	23.20	23.41	29.28
IEEE 802.11ax 40 MHz	MCS0	5190	18.79	18.72	18.83	18.72	24.79
		5230	19.59	19.36	19.62	19.38	25.51
		5270	13.26	13.31	13.33	13.42	19.35
		5310	13.31	13.28	13.31	13.39	19.34
		5510	13.90	13.70	13.72	13.40	19.70
		5550	13.48	13.55	13.67	13.65	19.61
		5670	12.15	12.85	13.24	13.30	18.93
		5755	23.85	23.86	24.10	23.63	29.88
		5795	24.06	23.62	23.69	23.82	29.82
IEEE 802.11ax 80 MHz	MCS0	5210	17.46	17.32	17.49	17.03	23.35
		5290	15.55	15.91	15.75	15.46	21.69
		5530	16.57	16.35	16.60	16.32	22.48
		5775	22.63	22.17	22.32	21.90	28.28

Beamforming on

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11n 2.4 GHz 20 MHz (64QAM)	26	2412	16.41	16.56	16.83	16.34	22.56
		2437	17.50	17.54	17.83	17.57	23.63
		2462	17.98	17.42	18.00	17.54	23.76
IEEE 802.11n 2.4 GHz 40 MHz (64QAM)	54	2422	17.84	17.59	17.62	17.98	23.78
		2437	17.33	17.33	17.69	17.21	23.41
		2452	17.96	17.72	17.74	17.46	23.74
IEEE 802.11n 2.4 GHz 20 MHz (256QAM)	26	2412	16.53	16.59	16.90	16.44	22.64
		2437	17.59	17.67	17.89	17.63	23.72
		2462	18.07	17.46	18.09	17.62	23.84
IEEE 802.11n 2.4 GHz 40 MHz (256QAM)	54	2422	17.90	17.61	17.75	18.03	23.85
		2437	17.42	17.39	17.74	17.34	23.50
		2452	18.03	17.79	17.83	17.49	23.81
IEEE 802.11ax 2.4 GHz 20 MHz	MCS0	2412	16.63	16.68	17.01	16.52	22.73
		2437	17.64	17.70	18.01	17.66	23.78
		2462	18.08	17.51	18.12	17.71	23.88
IEEE 802.11ax 2.4 GHz 40 MHz	MCS0	2422	18.01	17.74	17.82	18.05	23.93
		2437	17.53	17.41	17.75	17.40	23.55
		2452	18.10	17.85	17.92	17.61	23.89

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11n 5 GHz 20 MHz	26	5180	16.45	16.41	16.50	16.61	22.51
		5200	16.35	16.25	16.58	16.49	22.44
		5220	16.18	15.99	16.39	16.50	22.29
		5240	16.38	16.52	16.58	16.54	22.53
		5260	10.45	9.88	10.40	10.27	16.28
		5280	10.58	10.74	10.54	10.88	16.71
		5300	10.65	10.48	10.26	10.82	16.58
		5320	10.47	9.96	9.64	9.95	16.04
		5500	11.30	11.23	10.72	11.34	17.18
		5520	11.25	11.15	10.77	11.48	17.19
		5540	11.20	11.17	10.90	11.49	17.22
		5560	11.38	11.35	11.06	11.54	17.36
		5580	11.07	11.30	11.01	11.36	17.21
		5660	10.89	11.06	10.90	11.18	17.03
		5680	10.87	10.77	10.80	10.99	16.88
		5700	10.82	10.53	10.84	10.77	16.76
		5745	18.11	17.47	17.39	17.44	23.63
		5765	18.05	17.16	17.50	17.78	23.66
		5785	18.07	17.14	17.77	17.89	23.75
		5805	17.96	17.19	17.60	17.80	23.67
		5825	17.75	17.41	17.63	17.72	23.65
IEEE 802.11n 5 GHz 40 MHz	54	5190	17.52	17.50	17.45	17.37	23.48
		5230	17.16	17.14	17.59	17.35	23.33
		5270	12.19	11.58	12.11	11.85	17.96
		5310	11.91	11.85	11.61	11.49	17.74
		5510	12.82	12.38	12.74	12.39	18.61
		5550	12.74	12.11	12.39	12.12	18.37
		5670	12.60	12.57	13.15	12.82	18.81
		5755	18.43	18.01	18.71	17.67	24.24
		5795	18.21	17.99	18.12	17.82	24.06

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11ac 20 MHz	26	5180	16.56	16.62	16.67	16.77	22.68
		5200	16.53	16.41	16.80	16.70	22.63
		5220	16.37	16.18	16.56	16.61	22.45
		5240	16.48	16.69	16.69	16.67	22.65
		5260	10.52	13.64	10.51	10.40	17.53
		5280	10.76	10.91	10.71	11.05	16.88
		5300	10.83	10.69	10.46	11.01	16.77
		5320	10.62	10.13	9.90	10.10	16.22
		5500	11.56	11.37	10.91	11.59	17.39
		5520	11.48	11.37	10.99	11.65	17.40
		5540	11.46	11.43	11.06	11.71	17.44
		5560	11.54	11.60	11.29	11.72	17.56
		5580	11.32	11.49	11.20	11.52	17.41
		5660	11.10	11.31	11.16	11.39	17.26
		5680	11.03	11.01	11.06	11.20	17.10
		5700	11.02	10.79	11.05	10.91	16.96
		5745	18.28	17.60	17.54	17.64	23.80
		5765	18.22	17.36	17.71	17.89	23.83
		5785	18.21	17.34	17.89	18.06	23.91
		5805	18.09	17.37	17.75	18.02	23.84
		5825	17.94	17.53	17.75	17.85	23.79
IEEE 802.11ac 40 MHz	54	5190	17.74	17.68	17.67	17.57	23.69
		5230	17.37	17.27	17.69	17.47	23.47
		5270	12.31	11.79	12.22	11.98	18.10
		5310	12.06	12.08	11.83	11.62	17.92
		5510	12.98	12.58	12.99	12.63	18.82
		5550	12.87	12.27	12.57	12.39	18.55
		5670	12.74	12.70	13.20	12.91	18.91
		5755	18.65	18.18	18.91	17.85	24.44
		5795	18.43	18.14	18.29	17.95	24.23
IEEE 802.11ac 80 MHz	117.2	5210	17.17	16.74	17.12	16.67	22.95
		5290	12.03	12.36	12.11	12.07	18.17
		5530	13.16	12.82	12.72	12.81	18.90
		5775	18.38	18.03	18.51	17.77	24.20

Band	Data Rate (Mbps)	Frequency (MHz)	Average Conducted power (dBm)				
			ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
IEEE 802.11ax 20 MHz	MCS0	5180	16.95	16.86	17.01	17.03	22.98
		5200	16.85	16.75	17.18	17.09	22.99
		5220	16.79	16.72	17.10	17.04	22.94
		5240	16.72	16.91	16.90	16.95	22.89
		5260	10.78	10.25	10.72	10.63	16.62
		5280	11.08	11.15	11.00	11.29	17.15
		5300	11.05	11.09	10.78	11.25	17.07
		5320	10.85	10.42	10.25	10.40	16.51
		5500	11.91	11.60	11.15	11.84	17.66
		5520	11.79	11.68	11.30	11.90	17.69
		5540	11.75	11.78	11.42	11.92	17.74
		5560	11.82	11.90	11.50	11.95	17.82
		5580	11.68	11.75	11.48	11.81	17.70
		5660	11.45	11.58	11.45	11.67	17.56
		5680	11.36	11.22	11.40	11.45	17.38
		5700	11.25	11.03	11.36	11.20	17.23
		5745	18.58	17.92	17.82	18.01	24.11
		5765	18.45	17.70	18.00	18.15	24.10
		5785	18.50	17.72	18.15	18.28	24.19
		5805	18.32	17.70	18.09	18.25	24.12
		5825	18.18	17.88	18.04	18.20	24.10
IEEE 802.11ax 40 MHz	MCS0	5190	18.03	17.95	18.01	17.81	23.97
		5230	17.71	17.56	18.05	17.75	23.79
		5270	12.54	12.12	12.42	12.35	18.38
		5310	12.40	12.38	12.15	11.85	18.22
		5510	13.28	12.85	13.28	12.94	19.11
		5550	13.10	12.55	12.81	12.60	18.79
		5670	12.95	13.04	13.55	13.13	19.19
		5755	18.93	18.55	19.14	18.18	24.74
		5795	18.70	18.38	18.57	18.28	24.51
IEEE 802.11ax 80 MHz	MCS0	5210	17.39	17.14	17.43	16.91	23.24
		5290	12.33	12.61	12.45	12.33	18.45
		5530	13.37	13.13	13.09	13.17	19.21
		5775	18.70	18.35	18.80	18.05	24.51

5. Test Result

Antenna	Band	Frequency (MHz)	Limit (mW)/cm ²	Distance	Tune-up Power	ANT Gain	Numeric Gain	Duty Cycle	Power with Duty cycle	Power Density
				(cm)	(dBm)				(mW)	(mW)/cm ²
				[R]	[P]				[P]x[G]	[S]
Wi-Fi Antenna	2.4GHz	2412-2462	1.0	20	29.50	5.80	3.80	1	3386.75	0.674
	5GHz	5150-5250	1.0	20	26.00	5.90	3.89	1	1548.64	0.308
		5250-5350	1.0	20	22.50	5.80	3.80	1	675.75	0.134
		5470-5725	1.0	20	23.50	4.80	3.02	1	676.09	0.135
		5725-5850	1.0	20	30.00	5.40	3.47	1	3470.00	0.690
Wi-Fi Antenna (Beamforming)	2.4GHz	2412-2462	1.0	20	24.00	11.00	12.59	1	3162.47	0.629
	5GHz	5150-5250	1.0	20	24.00	11.32	13.55	1	3403.61	0.677
		5250-5350	1.0	20	19.00	11.28	13.43	1	1066.78	0.212
		5470-5725	1.0	20	20.00	10.67	11.67	1	1167.00	0.232
		5725-5850	1.0	20	25.00	11.05	12.74	1	4028.74	0.801

Note:

- * Mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less.
- * We used the maximum power and gain to provide MPE results.
- * The Numeric Gain calculated by $10^{(\text{ant. Gain(dBi)} / 10)}$.
- * The MPE results are evaluated by lowest data rate for WLAN.

Simultaneous Transmitting :

Total MPE = 0.801 < 1 (mW)/cm²

---END---