



Test Instruments

Radiated Emission Test Site (966)

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Receiver	R&S	ESCI-7	HKE-010	Dec. 26, 2019	Dec. 25, 2020
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 26, 2019	Dec. 25, 2020
Spectrum analyzer	R&S	FSP40	HKE-025	Dec. 26, 2019	Dec. 25, 2020
High gain antenna	Schwarzbeck	LB-180400KF	HKE-054	Dec. 26, 2019	Dec. 25, 2020
Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 26, 2019	Dec. 25, 2020
Preamplifier	EMCI	EMC051845S E	HKE-015	Dec. 26, 2019	Dec. 25, 2020
Preamplifier	Agilent	83051A	HKE-016	Dec. 26, 2019	Dec. 25, 2020
Loop antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 26, 2019	Dec. 25, 2020
Broadband antenna	Schwarzbeck	VULB 9163	HKE-012	Dec. 26, 2019	Dec. 25, 2020
Horn antenna	Schwarzbeck	9120D	HKE-013	Dec. 26, 2019	Dec. 25, 2020
High pass filter unit	Tonscend	JS0806-F	HKE-055	Dec. 26, 2019	Dec. 25, 2020
Antenna Mast	Keleto	CC-A-4M	N/A	N/A	N/A
Position controller	Taiwan MF	MF7802	HKE-011	Dec. 26, 2019	Dec. 25, 2020
Radiated test software	Tonscend	TS+ Rev 2.5.0.0	HKE-082	N/A	N/A
RF cable	Times	9kHz-1GHz	HKE-117	Dec. 26, 2019	Dec. 25, 2020
RF cable	Times	1-40G	HKE-034	Dec. 26, 2019	Dec. 25, 2020
Horn Antenna	Schwarzbeck	BBHA 9170	HKE-017	Dec. 26, 2019	Dec. 25, 2020

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

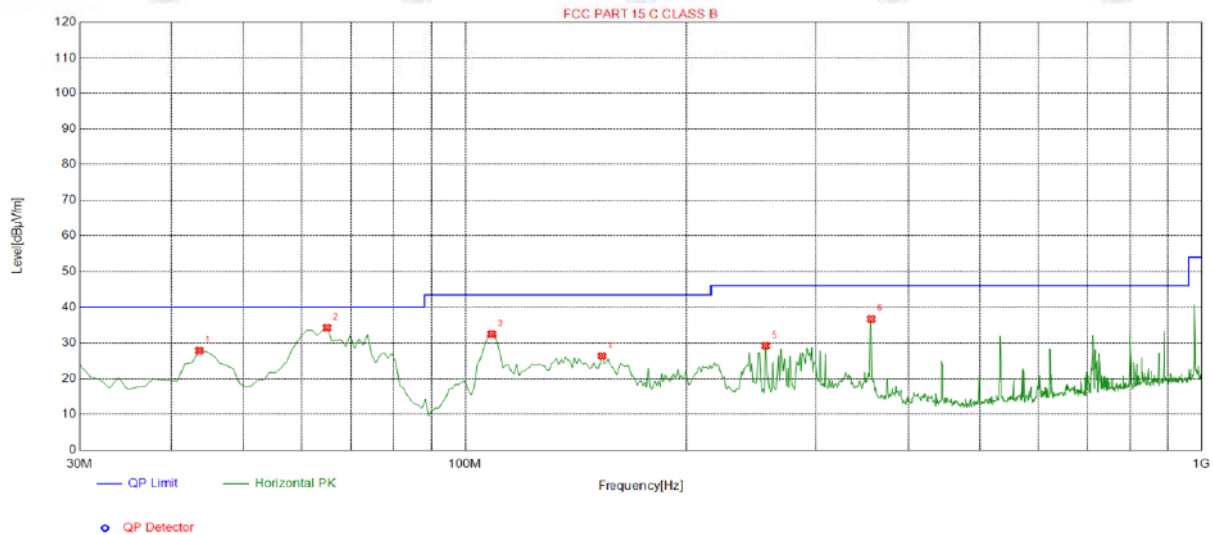


Test Data

All the test modes completed for test. only the worst result of (802.11b at 2412MHz) was reported as below:

Below 1GHz

Horizontal

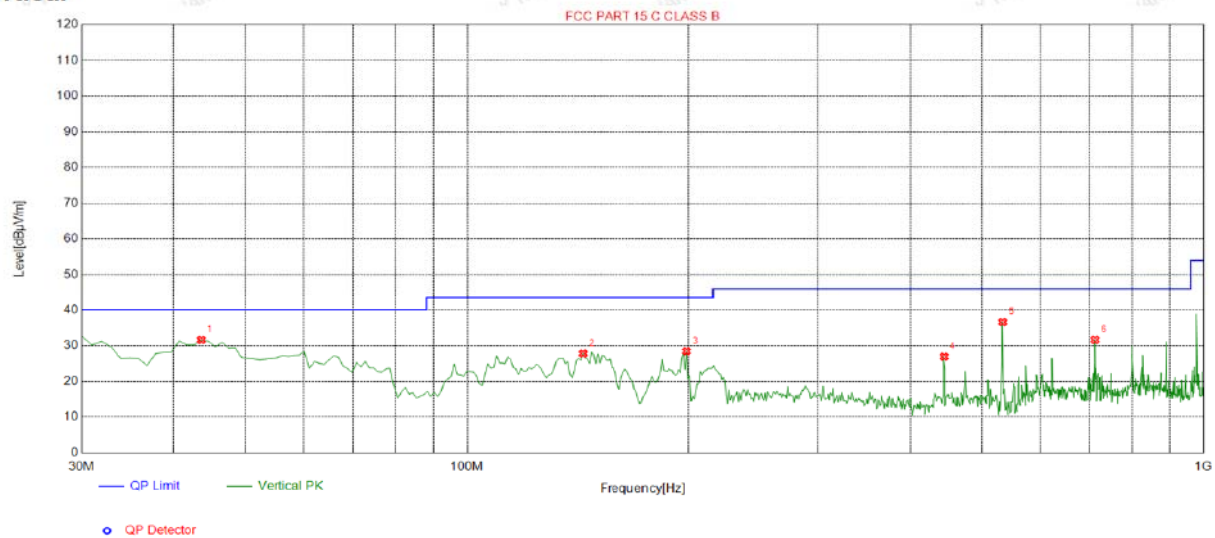


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.5936	-13.90	41.76	27.86	40.00	12.14	100	319	Horizontal
2	64.9550	-16.40	50.66	34.26	40.00	5.74	100	348	Horizontal
3	108.6486	-15.43	47.94	32.51	43.50	10.99	100	20	Horizontal
4	153.3133	-18.70	45.05	26.35	43.50	17.15	100	148	Horizontal
5	256.2362	-13.47	42.68	29.21	46.00	16.79	100	310	Horizontal
6	356.2462	-11.47	48.18	36.71	46.00	9.29	100	42	Horizontal

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.5936	-13.90	45.49	31.59	40.00	8.41	100	15	Vertical
2	143.6036	-19.09	46.88	27.79	43.50	15.71	100	12	Vertical
3	198.9489	-15.16	43.59	28.43	43.50	15.07	100	331	Vertical
4	444.6046	-9.22	36.14	26.92	46.00	19.08	100	334	Vertical
5	533.9339	-7.35	43.96	36.61	46.00	9.39	100	206	Vertical
6	712.5926	-4.84	36.45	31.61	46.00	14.39	100	196	Vertical

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Harmonics and Spurious Emissions

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
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Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement

**Above 1GHz****RADIATED EMISSION TEST**

LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.08	-3.64	59.44	74	-14.56	peak
4824	45.54	-3.64	41.9	54	-12.1	AVG
7236	58.27	-0.95	57.32	74	-16.68	peak
7236	43.82	-0.95	42.87	54	-11.13	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.64	-3.64	61	74	-13	peak
4824	47.29	-3.64	43.65	54	-10.35	AVG
7236	57.74	-0.95	56.79	74	-17.21	peak
7236	44.6	-0.95	43.65	54	-10.35	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	62.94	-3.51	59.43	74	-14.57	peak
4874	45.16	-3.51	41.65	54	-12.35	AVG
7311	57.36	-0.82	56.54	74	-17.46	peak
7311	48.84	-0.82	48.02	54	-5.98	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	64.38	-3.51	60.87	74	-13.13	peak
4874	47.72	-3.51	44.21	54	-9.79	AVG
7311	58.59	-0.82	57.77	74	-16.23	peak
7311	46.53	-0.82	45.71	54	-8.29	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	66.43	-3.43	63	74	-11	peak
4924	45.27	-3.43	41.84	54	-12.16	AVG
7386	56.61	-0.75	55.86	74	-18.14	peak
7386	42.53	-0.75	41.78	54	-12.22	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	63.16	-3.43	59.73	74	-14.27	peak
4924	46.44	-3.43	43.01	54	-10.99	AVG
7386	54.63	-0.75	53.88	74	-20.12	peak
7386	40.9	-0.75	40.15	54	-13.85	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Remark:

(1) Measuring frequencies from 1 GHz to the 25 GHz.

(2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes bandedge frequency.

(3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.

(4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.

(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) < 93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) < 54dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	61.37	-3.64	57.73	74	-16.27	peak
4824	48.39	-3.64	44.75	54	-9.25	AVG
7236	55.37	-0.95	54.42	74	-19.58	peak
7236	41.36	-0.95	40.41	54	-13.59	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	58.16	-3.64	54.52	74	-19.48	peak
4824	46.49	-3.64	42.85	54	-11.15	AVG
7236	54.87	-0.95	53.92	74	-20.08	peak
7236	41.68	-0.95	40.73	54	-13.27	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	63.09	-3.51	59.58	74	-14.42	peak
4874	44.45	-3.51	40.94	54	-13.06	AVG
7311	57.53	-0.82	56.71	74	-17.29	peak
7311	46.28	-0.82	45.46	54	-8.54	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	61.06	-3.51	57.55	74	-16.45	peak
4874	47.31	-3.51	43.8	54	-10.2	AVG
7311	57.84	-0.82	57.02	74	-16.98	peak
7311	46.91	-0.82	46.09	54	-7.91	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	62.17	-3.43	58.74	74	-15.26	peak
4924	48.87	-3.43	45.44	54	-8.56	AVG
7386	55.78	-0.75	55.03	74	-18.97	peak
7386	40.19	-0.75	39.44	54	-14.56	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	58.19	-3.43	54.76	74	-19.24	peak
4924	48.48	-3.43	45.05	54	-8.95	AVG
7386	57.85	-0.75	57.1	74	-16.9	peak
7386	38.48	-0.75	37.73	54	-16.27	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes bandedge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) < 93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) < 54dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.68	-3.64	60.04	74	-13.96	peak
4824	45.76	-3.64	42.12	54	-11.88	AVG
7236	53.58	-0.95	52.63	74	-21.37	peak
7236	41.86	-0.95	40.91	54	-13.09	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	62.49	-3.64	58.85	74	-15.15	peak
4824	45.05	-3.64	41.41	54	-12.59	AVG
7236	56.9	-0.95	55.95	74	-18.05	peak
7236	44.8	-0.95	43.85	54	-10.15	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



MID CH6 (802.11n/H20 Mode)/2437

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	55.89	-3.51	52.38	74.00	-21.62	peak
4874	46.71	-3.51	43.20	54.00	-10.80	AVG
7311	55.64	-0.82	54.82	74.00	-19.18	peak
7311	44.04	-0.82	43.22	54.00	-10.78	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	60.81	-3.51	57.30	74.00	-16.70	peak
4874	45.81	-3.51	42.30	54.00	-11.70	AVG
7311	54.96	-0.82	54.14	74.00	-19.86	peak
7311	39.89	-0.82	39.07	54.00	-14.93	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



HIGH CH11 (802.11n/H20 Mode)/2462

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	63.51	-3.43	60.08	74	-13.92	peak
4924	47.06	-3.43	43.63	54	-10.37	AVG
7386	55.95	-0.75	55.2	74	-18.8	peak
7386	40.91	-0.75	40.16	54	-13.84	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	62.76	-3.43	59.33	74	-14.67	peak
4924	45.54	-3.43	42.11	54	-11.89	AVG
7386	55.17	-0.75	54.42	74	-19.58	peak
7386	45.79	-0.75	45.04	54	-8.96	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

**Test Result of Radiated Spurious at Band edges**

Operation Mode:

802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	56.14	-5.81	50.33	74	-23.67	peak
2310.00	47.43	-5.81	41.62	54	-12.38	AVG
2390.00	59.12	-5.84	53.28	74	-20.72	peak
2390.00	52.44	-5.84	46.6	54	-7.4	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	57.16	-5.81	51.35	74	-22.65	peak
2310.00	48.94	-5.81	43.13	54	-10.87	AVG
2390.00	62.79	-5.84	56.95	74	-17.05	peak
2390.00	46.75	-5.84	40.91	54	-13.09	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	59.73	-5.81	53.92	74	-20.08	peak
2483.50	49.01	-5.81	43.2	54	-10.8	AVG
2500.00	55.74	-6.06	49.68	74	-24.32	peak
2500.00	46.38	-6.06	40.32	54	-13.68	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.9	-5.81	51.09	74	-22.91	peak
2483.50	50.05	-5.81	44.24	54	-9.76	AVG
2500.00	56.05	-6.06	49.99	74	-24.01	peak
2500.00	49.64	-6.06	43.58	54	-10.42	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						



Operation Mode: 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	59.82	-5.81	54.01	74	-19.99	peak
2310.00	45.29	-5.81	39.48	54	-14.52	AVG
2390.00	48.49	-5.84	42.65	74	-31.35	peak
2390.00	47.95	-5.84	42.11	54	-11.89	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	57.46	-5.81	51.65	74	-22.35	peak
2310.00	47.25	-5.81	41.44	54	-12.56	AVG
2390.00	62.43	-5.84	56.59	74	-17.41	peak
2390.00	48.86	-5.84	43.02	54	-10.98	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	58.6	-5.65	52.95	74	-21.05	peak
2483.50	47.66	-5.65	42.01	54	-11.99	AVG
2500.00	55.15	-5.65	49.5	74	-24.5	peak
2500.00	45.64	-5.65	39.99	54	-14.01	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.77	-5.65	51.12	74	-22.88	peak
2483.50	46.15	-5.65	40.5	54	-13.5	AVG
2500.00	55.23	-5.65	49.58	74	-24.42	peak
2500.00	45.2	-5.65	39.55	54	-14.45	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						



Operation Mode: 802.11n/H20 Mode TX CH Low (2412MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	57.18	-5.81	51.37	74	-22.63	peak
2310.00	45.21	-5.81	39.4	54	-14.6	AVG
2390.00	60.06	-5.84	54.22	74	-19.78	peak
2390.00	48.11	-5.84	42.27	54	-11.73	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	56.26	-5.81	50.45	74	-23.55	peak
2310.00	44.43	-5.81	38.62	54	-15.38	AVG
2390.00	60.39	-5.84	54.55	74	-19.45	peak
2390.00	48.12	-5.84	42.28	54	-11.72	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	58.75	-5.65	53.1	74	-20.9	peak
2483.50	47.51	-5.65	41.86	54	-12.14	AVG
2500.00	50.94	-5.65	45.29	74	-28.71	peak
2500.00	44.29	-5.65	38.64	54	-15.36	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	54.9	-5.65	49.25	74	-24.75	peak
2483.50	47.9	-5.65	42.25	54	-11.75	AVG
2500.00	51.66	-5.65	46.01	74	-27.99	peak
2500.00	43.45	-5.65	37.8	54	-16.2	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						



4.8. ANTENNA REQUIREMENT

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

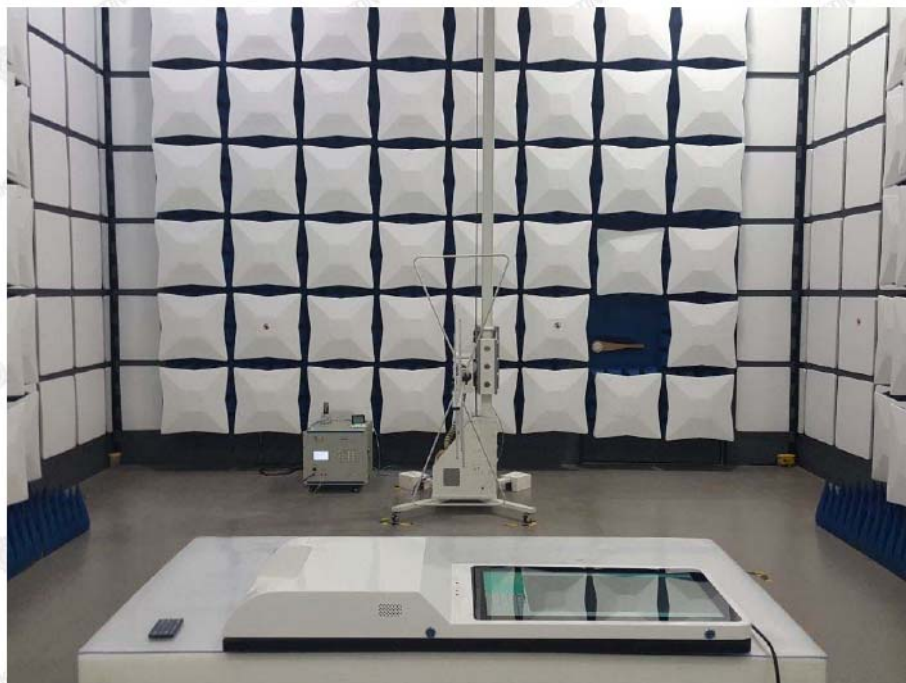
The antenna used in this product is a External Antenna, with non-standard SMA connector, need professional installation, not easy to remove. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 2dBi.

WIFI ANTENNA





4.9. PHOTOGRAPH OF TEST



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAKE, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.cer-mark.com>.

HUAKE Testing Lab TEL : +86-755 2302 9901 FAX : +86-755 2302 9901 E-mail : service@cer-mark.com

Add: 1/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China





4.10. PHOTOS OF THE EUT

Reference to the reporter : ANNEX A of external photos and ANNEX B of internal photos

-----End of test report-----