Shenzhen Most Technology Service Co., Ltd.
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Hi-tech Industry Park, Nanshan,Shenzhen,Guangdong,China

RF Exposure Evaluation Report

Report Reference No..... :	**MTEB25030195-H**
FCC ID..... :	**2A74R-PI2**
Compiled by (position+printed name+signature).. :	File administrators Alisa Luo
Supervised by (position+printed name+signature).. :	Test Engineer Sunny Deng
Approved by (position+printed name+signature).. :	Manager Yvette Zhou
Date of issue.....:	**Mar.19,2025**
Representative Laboratory Name. :	**Shenzhen Most Technology Service Co., Ltd.**
Address..... :	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
Applicant's name.....:	**Aceview Electronics Company Limited**
Address..... :	ROOM 1302, 13/F, CHEONG K BUILDING 84-86 DES VOEUX ROAD CENTRAL HONG KONG China
Test specification/ Standard.....**:**	**47 CFR Part 1.1307;47 CFR Part 1.1310** **KDB447498D01 General RF Exposure Guidance v06**
TRF Originator.....:	Shenzhen Most Technology Service Co., Ltd.

Test item description.....:	NETWORK PLAYER
Trade Mark.....:	ACECONN
Model/Type reference..... :	π2
Listed Models ..... :	N/A
Modulation Type..... :	GFSK, π/4DQPSK, 8DPSK b: DSSS ,CCK/ g/n/ax: BPSK,QPSK,QAM OFDM
Operation Frequency..... :	From 2402MHz to 2480MHz From 2412MHz~2462MHz From 5180MHz-5240MHz；5745MHz-5825MHz
Hardware Version.....	DF6320_004
Software Version.....	1.00.01
Rating.....:	DC 5V 2A
Result.....:	**PASS**

T E S T R E P O R T

Equipment under Test	:	NETWORK PLAYER
Model /Type	:	π2
Listed Models	:	N/A
Remark		N/A
Applicant	:	Aceview Electronics Company Limited
Address	:	ROOM 1302, 13/F, CHEONG K BUILDING 84-86 DES VOEUX ROAD CENTRAL HONG KONG China
Manufacturer	:	Aceview Electronics Company Limited
Address	:	ROOM 1302, 13/F, CHEONG K BUILDING 84-86 DES VOEUX ROAD CENTRAL HONG KONG China

Test Result:	**PASS**

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2025.03.19	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06
4.3.1. Standalone SAR test exclusion considerations
Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f^2)	6
30–300	61.4	0.163	1.0	6
300–1500	.....	.....	f/300	6
1500–100,000	.....	.....	5	6
(B) Limits for General Population/Uncontrolled Exposure				
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/1500	30
1500–100,000	.....	.....	1.0	30

F= Frequency in MHz
Friis Formula
Friis transmission formula: Pd = (Pout*G)/(4* Pi * R 2) Where
Pd = power density in mW/cm2
Pout = output power to antenna in mW
G = gain of antenna in linear scale
Pi = 3.1416

R = distance between observation point and center of the radiator in cm
Pd id the limit of MPE, 1 mW/cm2 . If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2.1.3 EUT RF Exposure

Antenna A: 3.39dBi:

WIFI 2.4G

802.11b			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	12.11	12.11±1	13.11
Middle(2437MHz)	9.94	9.94±1	10.94
Highest(2462MHz)	7.71	7.71±1	8.71

802.11g			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	11.76	11.76±1	12.76
Middle(2437MHz)	9.69	9.69±1	10.69
Highest(2462MHz)	7.07	7.07±1	8.07

802.11n(H20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	11.24	11.24±1	12.24
Middle(2437MHz)	8.76	8.76±1	9.76
Highest(2462MHz)	6.42	6.42±1	7.42

WIFI 2.4G

Worst case: 802.11b						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Lowest(2412MHz)	13.11	20.46	3.39	0.0089	1.0	Pass

Note: 1) Refer to report MTEB25030195-R1 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(20.46*2.18)/(4*3.1416*20^2)=0.0089

Antenna B:4.41dBi

WIFI 2.4G

802.11b			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	12.80	12.80±1	13.8
Middle(2437MHz)	12.64	12.64±1	13.64
Highest(2462MHz)	12.11	12.11±1	13.11

802.11g			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	13.35	13.35±1	14.35
Middle(2437MHz)	13.30	13.30±1	14.3
Highest(2462MHz)	12.55	12.55±1	13.55

802.11n(H20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	11.90	11.90±1	12.9
Middle(2437MHz)	12.26	12.26±1	13.26
Highest(2462MHz)	12.58	12.58±1	13.58

WIFI 2.4G

Worst case: 802.11g						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Lowest(2412MHz)	14.35	27.23	4.41	0.01495	1.0	Pass

Note: 1) Refer to report MTEB25030195-R1 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(27.23*2.76)/(4*3.1416*20^2)=0.01495

Antenna A+B:4.41dBi

WIFI 2.4G

802.11n(H20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2412MHz)	14.59	14.59±1	15.59
Middle(2437MHz)	13.86	13.86±1	14.86
Highest(2462MHz)	13.52	13.52±1	14.52

WIFI 2.4G

Worst case: 802.11n(H20)						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Lowest(2412MHz)	15.59	36.22	4.41	0.01989	1.0	Pass

Note: 1) Refer to report MTEB25030195-R1 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(36.22*2.76)/(4*3.1416*20^2)=0.01989

BT classic

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	-0.853	-0.853±1	0.147
Middle(2441MHz)	-0.549	-0.549±1	0.451
Highest(2480MHz)	-0.539	-0.539±1	0.461

π/4DQPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	1.363	1.363±1	2.363
Middle(2441MHz)	1.732	1.732±1	2.732
Highest(2480MHz)	1.724	1.724±1	2.724

8DPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	1.758	1.758±1	2.758
Middle(2441MHz)	2.142	2.142±1	3.142
Highest(2480MHz)	2.196	2.196±1	3.196

Worst case: 8DPSK						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Highest(2480MHz)	3.196	2.09	3.39	0.0009	1.0	Pass

Note: 1) Refer to report MTEB25030195-R for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(2.09*2.18)/(4*3.1416*202)=0.0009
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

Antenna A: 4.09dBi
WIFI 5.1G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11a	36	5.813	5.813±1	6.813
	40	5.768	5.768±1	6.768
	48	5.532	5.532±1	6.532
IEEE 802.11n_20	36	9.771	9.771±1	10.771
	40	9.916	9.916±1	10.916
	48	9.904	9.904±1	10.904
IEEE 802.11n_40	38	9.006	9.006±1	10.006
	46	10.250	10.250±1	11.25
IEEE 802.11ac_20	36	5.511	5.511±1	6.511
	40	6.027	6.027±1	7.027
	48	7.022	7.022±1	8.022
IEEE 802.11ac_40	38	5.889	5.889±1	6.889
	46	6.745	6.745±1	7.745

Worst case: IEEE 802.11n_40						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Highest(5230MHz)	11.25	13.34	4.09	0.0068	1.0	Pass

Note: 1) Refer to report MTEB25030195-R2 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(13.34*2.56)/(4*3.1416*202)=0.0068
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

Antenna A: 4.09dBi
WIFI 5.8G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11a	149	6.301	6.301±1	7.301
	157	4.875	4.875±1	5.875
	165	5.929	5.929±1	6.929
IEEE 802.11n_20	149	10.672	10.672±1	11.672
	157	9.122	9.122±1	10.122
	165	9.513	9.513±1	10.513
IEEE 802.11n_40	151	6.863	6.863±1	7.863
	159	9.902	9.902±1	10.902
IEEE 802.11ac_20	149	8.201	8.201±1	9.201
	157	8.980	8.980±1	9.98
	165	7.868	7.868±1	8.868
IEEE 802.11ac_40	151	7.311	7.311±1	8.311
	159	7.080	7.080±1	8.08

Worst case: IEEE 802.11n_20						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Lowest(5745MHz)	11.672	14.70	4.09	0.0075	1.0	Pass

Note: 1) Refer to report MTEB25030195-R2 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(14.70*2.56)/(4*3.1416*202)=0.0075
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

Antenna B:4.03dBi
WIFI 5.1G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11a	36	1.441	1.441±1	2.441
	40	1.225	1.225±1	2.225
	48	1.659	1.659±1	2.659
IEEE 802.11n_20	36	5.891	5.891±1	6.891
	40	6.285	6.285±1	7.285
	48	5.517	5.517±1	6.517
IEEE 802.11n_40	38	5.922	5.922±1	6.922
	46	4.252	4.252±1	5.252
IEEE 802.11ac_20	36	2.712	2.712±1	3.712
	40	2.988	2.988±1	3.988
	48	3.851	3.851±1	4.851
IEEE 802.11ac_40	38	2.145	2.145±1	3.145
	46	1.593	1.593±1	2.593

Worst case: IEEE 802.11n_20						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Highest(5200MHz)	7.285	5.35	4.03	0.00269	1.0	Pass

Note: 1) Refer to report MTEB25030195-R2 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(5.35*2.53)/(4*3.1416*202)=0.00269
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

Antenna B:4.03dBi
WIFI 5.8G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11a	149	6.545	6.545±1	7.545
	157	6.373	6.373±1	7.373
	165	7.671	7.671±1	8.671
IEEE 802.11n_20	149	9.852	9.852±1	10.852
	157	10.674	10.674±1	11.674
	165	10.336	10.336±1	11.336
IEEE 802.11n_40	151	10.800	10.800±1	11.8
	159	8.298	8.298±1	9.298
IEEE 802.11ac_20	149	7.043	7.043±1	8.043
	157	8.067	8.067±1	9.067
	165	8.283	8.283±1	9.283
IEEE 802.11ac_40	151	6.999	6.999±1	7.999
	159	6.860	6.860±1	7.86

Worst case: IEEE 802.11n_40						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Lowest(5755MHz)	11.8	15.14	4.03	0.00762	1.0	Pass

Note: 1) Refer to report MTEB25030195-R2 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(15.14*2.53)/(4*3.1416*202)=0.00762
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

Antenna A+B:4.09dBi
WIFI 5.1G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11n_20	36	11.261	11.261±1	12.261
	40	11.480	11.480±1	12.48
	48	11.253	11.253±1	12.253
IEEE 802.11n_40	38	10.742	10.742±1	11.742
	46	11.224	11.224±1	12.224
IEEE 802.11ac_20	36	7.343	7.343±1	8.343
	40	7.778	7.778±1	8.778
	48	8.730	8.730±1	9.73
IEEE 802.11ac_40	38	7.419	7.419±1	8.419
	46	7.902	7.902±1	8.902

Worst case: IEEE 802.11n_20						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Highest(5200MHz)	12.48	17.70	4.09	0.00901	1.0	Pass

Note: 1) Refer to report MTEB25030195-R2 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(17.70*2.56)/(4*3.1416*202)=0.00901
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

Antenna A+B:4.09dBi
WIFI 5.8G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11n_20	149	13.292	13.292±1	14.292
	157	12.977	12.977±1	13.977
	165	12.954	12.954±1	13.954
IEEE 802.11n_40	151	12.273	12.273±1	13.273
	159	12.184	12.184±1	13.184
IEEE 802.11ac_20	149	10.671	10.671±1	11.671
	157	11.558	11.558±1	12.558
	165	11.091	11.091±1	12.091
IEEE 802.11ac_40	151	10.168	10.168±1	11.168
	159	9.982	9.982±1	10.982

Worst case: IEEE 802.11n_40						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
Lowest(5745MHz)	14.292	26.87	4.09	0.01368	1.0	Pass

Note: 1) Refer to report MTEB25030195-R2 for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (Pout*G)/(4* Pi * R2)=(26.87*2.56)/(4*3.1416*202)=0.01368
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

.....THE END OF REPORT.....