

FCC RF Exposure

Applicant : Meet International Ltd.
Address : Flat 1509, 15/F., Westin Centre, 26 Hung To Road, Kwun Tong,
Kowloon, Hong Kong
Product Name : External Wireless module
Brand Mark : MEET
Model : MS-WMBM1
Series model : MS-WMB1
FCC ID : 2AJ4T-WMB1-WMBM1
Report Number : BLA-EMC-202511-A0902
Date of Receipt : Nov. 07, 2025
Date of Test : Nov. 07, 2025 to Nov. 19, 2025
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: Mark Chen Review by: Xavier

Approved by: Blue Zheng

Issued Date: Dec. 10, 2025



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Table of Contents

1 General information	4
1.1 General information	4
1.2 General description of EUT	4
2 RF Exposure Compliance Requirement	5
2.1 Standard Requirement	5
2.2 Limits	5
2.3 Result	6

Revise Record

Version No.	Date	Description
01	Dec. 10, 2025	Original

1 General information

1.1 General information

Applicant	Meet International Ltd.
Address	Flat 1509, 15/F., Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong
Manufacturer	MEET ELECTRONICS LTD.
Address	4/F.,Block 4, Guanchen Science Park, 22 Bihu Road, Fenggang, Dongguan, Guangdong Province, China.
Factory	MEET ELECTRONICS LTD.
Address	4/F.,Block 4, Guanchen Science Park, 22 Bihu Road, Fenggang, Dongguan, Guangdong Province, China.

1.2 General description of EUT

Product name	External Wireless module
Model no.	MS-WMBM1
Series model	MS-WMB1
Differences of Series model	There is no difference in the PCB layout between the Bluetooth modules MS-WMBM1 and MS-WMB1, the only distinction is that the MS-WMBM1 has an integrated 4MB SPI flash memory for data storage.
Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK
Rate data	1Mbps
Channel Spacing	2MHz
Number of Channels	40
Antenna Type	PCB antenna
Antenna Gain	-0.58dBi(Provided by customer)
Power supply	DC 3.0V
Hardware Version	N/A
Software Version	N/A

Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

2 RF Exposure Compliance Requirement

2.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

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.

2.2 Limits

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)										
		5	10	15	20	25	30	35	40	45	50
	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

2.3 Result

$$\text{EIRP} = p_t \times g_t = (E \times d)^{2/30}$$

Where:

p_t = transmitter output power in watts,

g_t = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m)

$$\text{Spot} = (E \times d)^{2/30} \times g_t$$

Separation distance = 0.5cm

For BLE(Worst case) :

Max Output power = 0.57dBm @ 2402MHz

EIRP = 0.57dBm - 0.58dBi = -0.01dBm, because Max Output power > EIRP,

So, ERP = 0.57 - 2.15 = -1.58dBm = 0.695mW < 3060 mW

Comply with RF exposure exemption limit.

----END OF REPORT----

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