

FCC RF Exposure Report

FCC ID: QIS-TE10

Project No. : 1608C052
Equipment : Videoconferencing Endpoint
Model Name : HUAWEI TE10
Applicant : Huawei Technologies Co., Ltd.
Address : Administration Building, Headquarters of Huawei
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:



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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Bluetooth, 2.4G Band & 5G Band UNII-1 , UNII-3:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	3

IEEE 802.15.4

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	2

TEST RESULTS

Test Mode :	Bluetooth
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Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	Max Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	3.95	2.4831	0.00098617	1	Complies

Test Mode :	IEEE 802.15.4
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Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	Max Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	-2.24	0.5970	0.00018834	1	Complies

Test Mode :	2.4G Band
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Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	Max Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	21.65	146.2177	0.05806981	1	Complies

Test Mode :	UNII-1
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Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	Max Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	15.00	15.8489	0.01255886	1	Complies

Test Mode :	UNII-3
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Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	Max Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	12.07	16.1065	0.00639662	1	Complies

The sum of the ratios of the peak or spatially averaged results to the 802.15.4 and WiFi/BT dependent MPE limits is below 1, so the simultaneous transmitting RF exposure is fulfilled.

Note: the calculated distance is 20 cm.