

FCC RF EXPOSURE REPORT

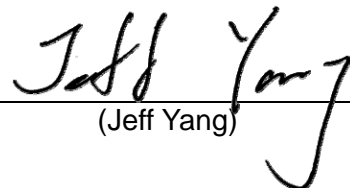
FCC ID: 2ABAMSNSB

Project No. : 1608248
Equipment : Sense
Test Model : MB15226
Series Model : N/A
Applicant : Hello Inc.
Address : 438 Shotwell St, San Francisco, CA 94110, USA

According: : FCC Guidelines for Human Exposure IEEE C95.1

Technical Manager

:


(Jeff Yang)

B T L I N C .

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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 LE:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Hello	N/A	PCB_IFA type	N/A	1.5	TX/RX

WLAN:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Hello	N/A	PCB_IFA type	N/A	1.3	TX/RX

Calculation:

Bluetooth LE:

EUT:	Sense	Model Name :	MB15226
Temperature:	25°C	Relative Humidity:	60%
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode /CH01, CH19, CH39		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.50	1.4125	4.18	2.6182	0.00073612	1	Complies
1.50	1.4125	4.23	2.6485	0.00074465	1	Complies
1.50	1.4125	4.25	2.6607	0.00074808	1	Complies

WLAN:

EUT:	Sense	Model Name :	MB15226
Temperature:	25°C	Relative Humidity:	60%
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B Mode /_ Total CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.30	1.3490	18.82	76.2079	0.02046211	1	Complies
1.30	1.3490	19.17	82.6038	0.02217943	1	Complies
1.30	1.3490	19.23	83.7529	0.02248798	1	Complies

EUT:	Sense	Model Name :	MB15226
Temperature:	25°C	Relative Humidity:	60%
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G Mode /_ Total CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.30	1.3490	20.83	121.0598	0.03250501	1	Complies
1.30	1.3490	21.16	130.6171	0.03507118	1	Complies
1.30	1.3490	20.46	111.1732	0.02985041	1	Complies

EUT:	Sense	Model Name :	MB15226
Temperature:	25°C	Relative Humidity:	60%
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M Mode_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.30	1.3490	20.49	111.9438	0.03005733	1	Complies
1.30	1.3490	21.11	129.1219	0.03466972	1	Complies
1.30	1.3490	20.49	111.9438	0.03005733	1	Complies

For Bluetooth+WLAN simultaneous transmission MPE:

$$0.0007/1+0.0351/1=0.0358<1$$

Note: the calculated distance is 20 cm.