RF EXPOSURE EVALUATION EUT Specification

EUT	Wireless Presenter					
Model Name	M01485-P					
Frequency band	□WLAN: 2.412GHz ~ 2.462GHz					
(Operating)	□WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz					
	□WLAN: 5.745GHz ~ 5825GHz					
	⊠Others: 2408 - 2474MHz					
Device category	⊠Portable (<20cm separation)					
	☐Mobile (>20cm separation)					
	□Others					
Antenna diversity	⊠Single antenna					
	☐Multiple antennas					
	☐Tx diversity					
	☐Rx diversity					
	☐Tx/Rx diversity					
Max. output power	94.38 dBuV/m (-0.877dBm)(0.817mW)					
Antenna gain	-2 dBi					
Evaluation applied	☐MPE Evaluation					
	⊠SAR Evaluation					

Standard Requirement

Portable Device

According to §15.247(i) and §1.1307b(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See KDB 447498 D01 General RF Exposure Guidance V6, section 4.3.1.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, ¹⁶ where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation17
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Measurement Result

Channel	Max Output	Tune up	Max Tune	Distance	Calculati	Threshold
Frequency	power	tolerance	Up Power	(mm)	on Value	Value
(MHz)	(dBm)	(dBm)	(dBm)		(Note 1)	
2474	-0.877	±1	0.123	5	0.32	3.0

$$E = EIRP - 20log D + 104.8$$

where:

 $E = electric field strength in dB\mu V/m$,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP=E-104.8+20logD= 94.38 -104.8+20log3= -0.877dbm

Note 1: Calculation Value =[(max. power of channel, included Tune up

tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)].

Fox example: $1.029/5^* \sqrt{2.474} = 0.32 \le 3.0$

According to KDB447498 D01 V6, threshold at which no SAR required is ≤3.0 for 1-g SAR, separation distance is 5mm, and no simultaneous SAR measurement is required.

The SAR measurement is not necessary.