MPE Calculation FCC ID: SDNTA-387

Remark: Average ≤ Peak, which means that calculating the power density (general population) applying Peak power (where possible) as worst case. The worst case operation mode generating the highest power in each frequency range is taken for calculation.

Bluetooth 2.1+EDR
79Ch FHSS (GFSK, pi4-DQPSK, 8-DPSK)
Mid Channel at 2441 MHz

Frequency Range:	**2402**	-	**2480**	MHz	;	User distance: d	=	**20**	cm
						Duty Cycle	=	**1**	
Power Density limit in this band	(lowest Frequency)				=			1.00	mW/cm²
Maximum measured Peak Power P(conducted)					=	**0.768**	dBm	= 1.19	mW

Antenna Gain: G =	**0**	dBi equals		1.00		linear			
P(rad) = P(cond) + G(linear) =		0.77	+	0.00	=	0.77	dBm	= 1.19	mW
Power Density S = P(rad) / (4*pi*d^2)		=		1.19	/	5026.55	= 0.0002	< 1.00	mW/cm²

Conclusion: At 20cm, the Power Density is far under the limit, PASS