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4.8	RF Exposure Evaluation			
Reference Standard(s):		☒ KDB 447498 RF Exposure Guidance v06 ☐ KDB 447498 Interim RF Exposure Guidance v01 ☒ RSS 102, Issue 5 ☐	☒ MPE ☐ SAR Evaluation ☐ SAR Test Exclusion	
Frequency Range(s):		☒ 2405.0MHz ☒ 2425.0MHz ☐		
Antenna Separation Distance:		>20cm		
RF Exposure Conditions:		Mobile		
Repeater Peak Antenna Gain:		4.3dBi (numeric gain 2.7dBi)		
Repeater the source-based output power:		102mW(20.1dBm)*0.2(worst case duty cycle)=20.4mW(13.1dBm)		
Repeater EIRP/ERP output power:		EIRP=13.1dBm + 4.3dBi=17.4dBm		
Power Density ($S=PG/4\pi R^2$):		0.11Watts/m ² /0.011 mW/cm ²		
Pak-Tracker the source-based output power:		20mW(13.1dBm)*0.2(worst case duty cycle)=4mW(6.0dBm)		
Pak-Tracker Peak Antenna Gain:		0.7dBi (numeric gain 1.2dBi)		
Pak-Tracker EIRP/ERP output power:		EIRP= 6.0dBm + 0.7dBi=6.7dBm		
Power Density ($S=PG/4\pi R^2$):		0.01 Watts/m ² /0.001 mW/cm ²		
The sum of simultaneous transmission:		0.12Watts/m ² /0.012 mW/cm ²		
MPE Limit				
FCC Part 1.1310		1.0 mW/cm ² @2.4GHz		
RSS 102, Issue 5		5.3508 Watts/m ² @2.4GHz		

Note:	The device has two simultaneously transmitting antennas
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