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/4πR^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/4πR^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