

		Model: D53AC		Test Number: 200115			
MPE Calculator		RF Exposure uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi. dBi = dB gain compared to an isotropic radiator. S = power density in mW/cm^2					
		Transmitter Output power (mW)		185.6			
		Transmitter Output power (W)		0.186			
Output Power for % duty Cycle operation (Watts)		100		0.186		Antenna Gain (dBi)	3
		Output Power for 100% duty Cycle operation (Watts)		0.186		Antenna Gain (Numeric)	2.00
Tx Frequency (MHz)		2437		Calculation power (Watts)		0.186	
				dBd + 2.17 = dBi		dBi to dBd	
						Antenna Gain (dBd)	0.83
Cable Loss (dB)		0.0		Adjusted Power (dBm)		22.69	
						Antenna minus cable (dBi)	3.00
						Antenna Gain (Numeric)	2.00
		Calculated ERP (mw)		224.696		EIRP = Po(dBm) + Gain (dB)	
		Calculated EIRP (mw)		370.335		Radiated (EIRP) dBm	
						ERP = EIRP - 2.17 dB	
						Radiated (ERP) dBm	
						23.516	

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 Revision 1

Mikrotikls SIA S/N: C65F0B82560C/002, C65F0B9B0890/002
 Model: RBD53GR-5HacD2HnD-US&R11e-LTE6 IC: 7442A-D53AC
 Test: 200115 FCC ID: TV7RBD53-5ACD2ND
 Test to: 47CFR 15.C, 15E, RSS-247 Date: March 31, 2020
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