

		PMN: Integra-5G8		Test Number: 230711			
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)		1000.0				
	Transmitter Output power (W)		1.00				
	Output Power for % duty Cycle operation (Watts)		100		Antenna Gain (dBi)		41.2
	Output Power for 100% duty Cycle operation (Watts)		1.00		Antenna Gain (Numeric)		13182.57
Tx Frequency (MHz)	5727.5	Calculation power (Watts)	1.00	dBd + 2.17 = dBi		dBi to dBd	2.17
						Antenna Gain (dBd)	39.03
Cable Loss (dB)	0.0	Adjusted Power (dBm)	30.00			Antenna minus cable (dBi)	41.20
						Antenna Gain (Numeric)	13182.57
		Calculated ERP (mw)	7998342.550			EIRP = Po(dBm) + Gain (dB)	
		Calculated EIRP (mw)	13182567.386			Radiated (EIRP) dBm	71.200
						ERP = EIRP - 2.17 dB	
		Power density (S) mW/cm ² = EIRP ----- 4 p r²				Radiated (ERP) dBm	69.030
		r (cm) EIRP (mW)					

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Revision 1

SAF Tehnika AS
PMN: Integra-5G8
Test: 230711
Test to: 47CFR, 15.407, RSS-247
File: INTEGRA5G8 RFExp

S/N's: 508120100587 / 501810100588
FCC ID: W9Z-INTEGRA5G8
IC: 8855A-INTEGRA5G8
Date: September 12, 2023
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