	Model: S02GHR08			Test Number: 190528			
	*			TX power added to the antenna ga	in in dBi.		
	dBi = dB gain compared to an		or.				
	S = power density in mW/cm		00/ (Watta)	4.0000			
Transmitter maximum Output power operating at 100% (Watts Percent Duty Cycle operation (%						Antenna Gain (dBi)	26.9
		6 duty Cycle operation (Watts			Ant	enna Gain (Numeric)	489.78
Tx Frequency (MHz)	2312 Calcualtion power				dBd + 2.17 = dBi		2.2
1,000		•				Antenna Gain (dBd)	24.73
Cable Loss (dB)	0.0	0.0 Adjusted Power (dB		36.02	Anter	nna minus cable (dBi)	26.90
	Calculated ERP (mw) 1,188,666.41			1,188.67		EIRP = Po(dBM) + Gain (dB)	
	Calculated EIRP (mw) 1,959,115.28			1,959.12	R	Radiated (EIRP) dBm	
	Power density (S) mW/cm ² =				ERP = EIRP - 2.17		
					I	Radiated (ERP) dBm	60.751
		4 p r^2					
	r (am) FIDD (mW)						
	r (cm) EIRP (mW)						
	Occupational Limit]	FCC radio 1	requency radiation exposure limits p	per 1.1310		
5		Frequency (MHz)		Occupational Limit (mW/cm ²)	Public Limit (mW/cm ²)		
50		30-300		1	0.2		
	General Public Limit	300-1,500		f/300	f/1500		
1	mW/cm ²	1,500-10,000		5	1		
10		1,300-10,000		3	•		
10	W/III						
	0 1 171 1						
0.5	Occupational Limit	IC F- f-		The Company	DGG 102		
0.6455 $f^{0.5}$ 38.6				quency radiation exposure limits per RSS-102			
	11/111	Frequency (MHz)		Occupational Limit (W/m ²)	Public Limit (W/m ²)		
	General Public Limit	100-6,000		$0.6455f^{0.5}$			
$0.02619 f^{0.6834}$	W/m ²	6,000-15,000		50			
5.2	W/m^2	48-300			1.291		
		300-6,000			$0.02619 f^{0.6834}$		
		6,000-15	,000	50	10		
f = Transmit Frequecny (MHz)					f (MHz) =	2312	
P _T = Power Input to Antenna (mW)					P_{T} (mW) =	4,000.0000	
Duty cycle (percentage of operation)					% =	100.0	
P _A = Adjusted Power due to Duty cycle or Cable Loss (mW)					$P_{A}(mW) =$	4,000.00	
G _N = Numeric Gain of the Antenna					GN (numeric) =		
S_{20} = Power Density of device at $20cm(W/m^2)$				$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	$S_{20} (W/m^2) =$		
$S_L = Power Density Limit (W/r$				$S_L (W/m^2) =$	5.213		
R _C = Minimum distance to the Radiating Element for Compliance (cm)				$R_{C} = \sqrt{(P_A G_N / 4\pi S_1)}$	R_{C} (cm) =	546.9	
S_C = Power Density of the device at the Compliance Distance R_C (W/m ²)				$S_C = (P_A G_N)/(4\pi R_C)^2$	$S_C(W/m^2) =$	5.21	
$R_{20} = 20cm$					R20=		
				s, User Manual must indicate a minir			

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1

 SAF Tehnika AS
 S/N's: 300540100019 / 300550100020

 Model: Phoenix G2
 FCC ID: W9Z-PHOENIXG2

 Test: 190528
 IC: 8855A-PHOENIXG2

 Test to: 47CFR 27, RSS-195
 Date: November 13, 2019

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