

**Antenna Gain Factors Applied to Conducted Measurements
in Qualcomm Globalstar Product Testing**

<u>Product</u>	<u>Parameter Name</u>	<u>Apply To</u>	<u>Frequency Band</u>	Current Comp. Lab <u>Gain factor</u>	K. Hatch Statistical Samples	Factory Test / Cal	RF Design Group	Spec'd Parameter Limits
Ethyl	Peak Gains Over Frequency:	Noise & Spurious	TX					
			0.1-1480 MHz	5.0 dB				5.0 dB
			1480-1500 MHz	-5.0 dB				-5.0 dB
			1500-1740 MHz	3.5 dB			3.5 dB	3.5 dB
			1740-1757 MHz	-5.0 dB				-5.0 dB
			1757-2480 MHz	5.0 dB				5.0 dB
			2480-2500 MHz	-5.0 dB				-5.0 dB
			2500-3220 MHz	-10.0 dB				-10.0 dB
			3220-3253 MHz	-10.0 dB				-10.0 dB
			3253-4879.5 MHz	5.0 dB			5.0 dB	5.0 dB
			4879.5-6440 MHz	10.0 dB				10.0 dB
			6440-8132.5 MHz	5.0 dB			5.0 dB	5.0 dB
			8132.5-9660 MHz	10.0 dB				10.0 dB
			9660-11385.5 MHz	5.0 dB			5.0 dB	5.0 dB
			11385.5-12750 MHz	10.0 dB				10.0 dB
Spatially avg'd. TX Gain:	Access Probes, Range of Power Control	CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels		0.70 dB	0.70 dB	0.75 dB	0.75 dB	
				1.00 dB	1.00 dB	0.75 dB	0.75 dB	
				1.00 dB	1.00 dB	0.75 dB	0.75 dB	
			interpolate		1.00 dB	Not used	0.75 dB	
Min Isotropic TX Antenna Gain:	Minimum Spatially Averaged Power per MPS #3.4.5.3 (table 3-7)	CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels		0.50 dB	0.50 dB	0.25 dB	0.25 dB	26.00 ≤ X ≤ dBm
				0.90 dB	0.90 dB	0.25 dB	0.25 dB	26.00 ≤ X ≤ dBm
				0.60 dB	0.60 dB	0.60 dB	0.60 dB	26.00 ≤ X ≤ dBm
			interpolate		-- dB	Not used	0 dB	26.00 ≤ X ≤ dBm
Peak Isotropic TX Antenna Gain:	Maximum Spatially Averaged Power	CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels		Not used	0.8 dB	Not used	Not used	
				Not used	1.2 dB	Not used	Not used	
				Not used	1.3 dB	Not used	Not used	
			Not used		-- dB	Not used	Not used	
Spatial Minimum	Effective Isotropic Radiated Power at Maximum Output MPS Table 3-7 (Lower Limit)	CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels		-3.60 dB	-3.60 dB	Not used	Not used	21.00 ≤ X ≤ dBm
				-3.10 dB	-3.10 dB	Not used	Not used	21.00 ≤ X ≤ dBm
				-4.80 dB	-4.80 dB	Not used	Not used	21.00 ≤ X ≤ dBm
			interpolate					
Spatial Maximum	Effective Isotropic Radiated Power at Maximum Output MPS Table 3-7 (Upper Limit)	CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels		2.80 dB	2.80 dB	Not used	Not used	39.90 ≤ X ≤ dBm
				3.10 dB	3.10 dB	Not used	Not used	39.90 ≤ X ≤ dBm
				3.30 dB	3.30 dB	Not used	Not used	39.90 ≤ X ≤ dBm
			interpolate					
KX In-Band Boresight Gain	KX Noise and Spurious	KX IN BAND	MHz		10 dB	-- dB		
					CAL'd Ref.	27.5 dB		
					CAL'd Ref.	27.5 dB		
					CAL'd Ref.	27.4 dB		
					CAL'd Ref.	-- dB		