

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>	<u>Current Comp. Lab Gain Factor</u>	<u>R. Hatch Statistical Samples</u>	<u>Factory Test / Cal</u>	<u>RF Design Group</u>	<u>Spec'd Parameter Limits</u>
Ethyl	Peak Gains Over Frequency:	Noise & Spurious	TX	0.1-1480 MHz	5.0 dB	dB	Not used	5.0 dB
				1480-1500 MHz	-5.0 dB	dB	Not used	-5.0 dB
				1500-1740 MHz	3.5 dB	dB	3.5 dB	3.5 dB
				1740-1757 MHz	-5.0 dB	dB	Not used	-5.0 dB
				1757-2480 MHz	5.0 dB	dB	Not used	5.0 dB
				2480-2500 MHz	-5.0 dB	dB	Not used	-5.0 dB
				2500-3220 MHz	-10.0 dB	dB	Not used	-10.0 dB
				3220-3253 MHz	-10.0 dB	dB	-10.0 dB	-10.0 dB
				3253-4879.5 MHz	5.0 dB	dB	5.0 dB	5.0 dB
				4879.5-6440 MHz	10.0 dB	dB	Not used	10.0 dB
				6440-8132.5 MHz	5.0 dB	dB	5.0 dB	5.0 dB
				8132.5-9660 MHz	10.0 dB	dB	Not used	10.0 dB
				9660-11385.5 MHz	5.0 dB	dB	5.0 dB	5.0 dB
				11385.5-12750 MHz	10.0 dB	dB	Not used	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	dB	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
				0.90	dB	0.90 dB	0.25 dB	0.25 dB
				0.60	dB	0.60 dB	0.60 dB	0.60 dB
				interpolate	dB	--	Not used	0 dB
	Peak Isotropic TX Antenna Gain:	Maximum Spatially Averaged Power	CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels	Not used	dB	0.8 dB	Not used	Not used
				Not used	dB	1.2 dB	Not used	Not used
				Not used	dB	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
				-3.10	dB	-3.10 dB	Not used	Not used
				-4.80	dB	-4.80 dB	Not used	Not used
				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
				3.10	dB	3.10 dB	Not used	Not used
				3.30	dB	3.30 dB	Not used	Not used
				interpolate				
RX	In-Band Boresight Gain	RX Noise and Spurious RX Sensitivity RX Sensitivity RX Sensitivity RX Sensitivity	RX IN BAND CDMA Channel 1 CDMA Channel 7 CDMA Channel 9 All other CDMA Channels	10 MHz CAL'd Ref. CAL'd Ref. CAL'd Ref. CAL'd Ref.	dB	--	dB	dB
					dB	27.5	dB	dB
					dB	27.5	dB	dB
					dB	27.4	dB	dB
					dB	--	dB	dB