

# Appendix A

## Modulation Characteristic Measurement

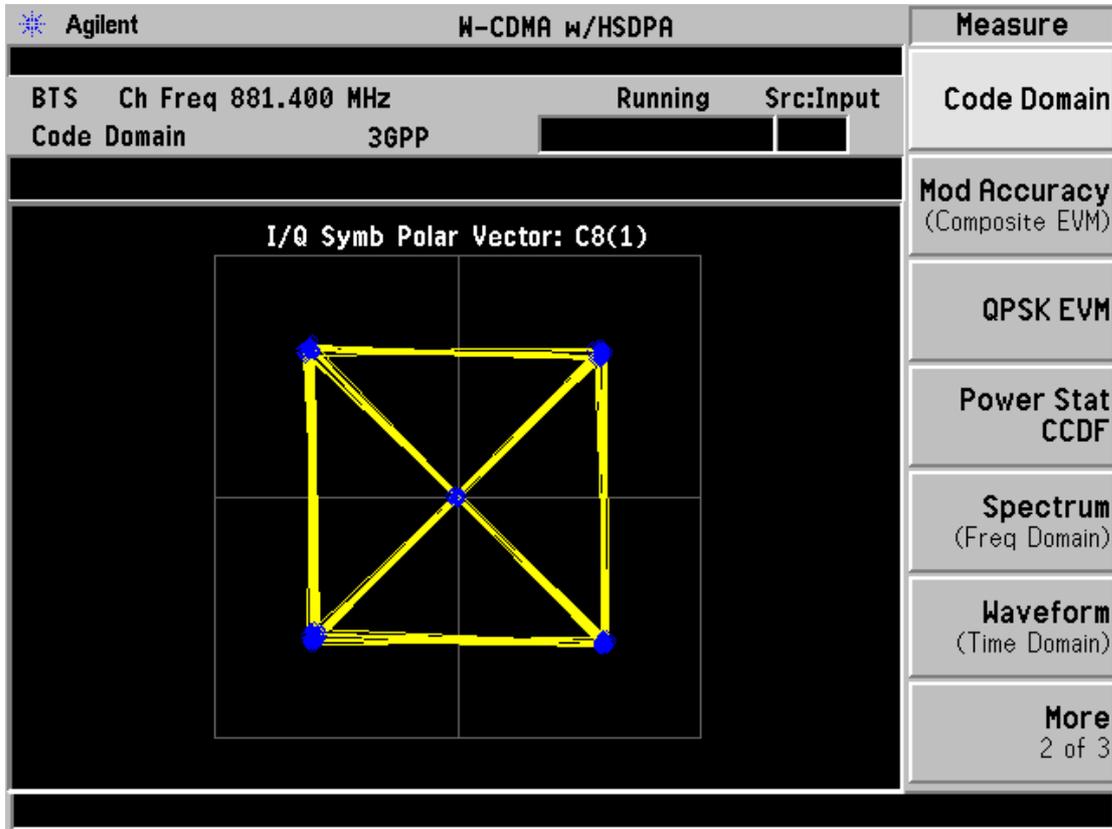
According to CFR 47 (FCC) part 2.1047

### Measurement Result

QPSK:

Channel 4407

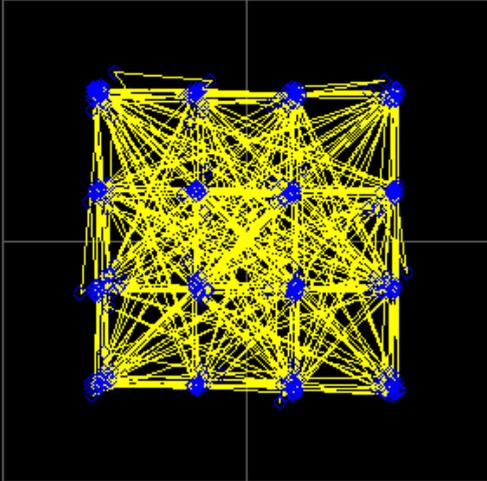
Agilent		W-CDMA w/HSDPA		Measure
BTS	Ch Freq 881.400 MHz	Completed	Src:Input	Code Domain
Mod Accuracy	3GPP	Averages: 1	PASS	Mod Accuracy (Composite EVM)
<p>Rho: 0.99134</p> <p>EVM: 9.35 % rms 109.99 % pk</p> <p>Pk CDE: -40.77 dB at C8(106)</p> <p>Pk Active CDE: -38.40 dB at C7(53)</p> <p>Magnitude Error: 8.91 % rms</p> <p>Phase Error: 5.00 ° rms</p> <p>Freq Error: -16.82 Hz</p> <p>I/Q Origin Offset: -56.00 dB</p> <p>Time Offset: 3739.69 chip</p>				QPSK EVM
				Power Stat CCDF
				Spectrum (Freq Domain)
				Waveform (Time Domain)
				More 2 of 3



16QAM:

Channel 4407

Agilent		W-CDMA W/HSDPA		Measure
BTS	Ch Freq 881.400 MHz	Completed	Src:Input	Code Domain
Mod Accuracy	3GPP	Averages: 2	PASS	Mod Accuracy (Composite EVM)
<p>Rho: 0.99135</p> <p>EVM: 9.34 % rms 109.88 % pk</p> <p>Pk CDE: -40.76 dB at C8(106)</p> <p>Pk Active CDE: -38.45 dB at C7(53)</p> <p>Magnitude Error: 8.91 % rms</p> <p>Phase Error: 4.99 ° rms</p> <p>Freq Error: -8.37 Hz</p> <p>I/Q Origin Offset: -60.55 dB</p> <p>Time Offset: 3741.73 chip</p>				QPSK EVM
				Power Stat CCDF
				Spectrum (Freq Domain)
				Waveform (Time Domain)
				More 2 of 3

Agilent		W-CDMA w/HSDPA		Measure	
BTS Ch Freq 881.400 MHz		Completed Src:Input		Code Domain	
Code Domain 3GPP				Mod Accuracy (Composite EVM)	
<p>I/Q Symb Polar Vector: C4(4)</p> 				QPSK EVM	
				Power Stat CCDF	
				Spectrum (Freq Domain)	
				Waveform (Time Domain)	
				More 2 of 3	