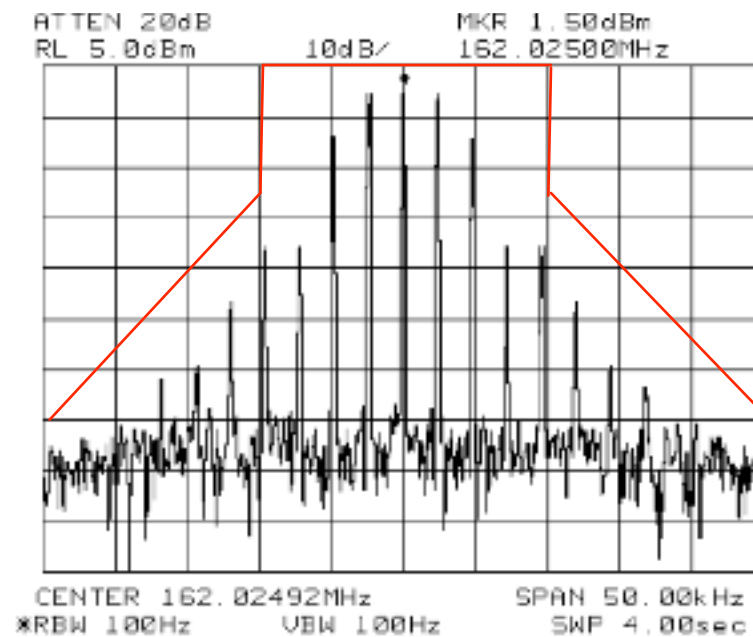
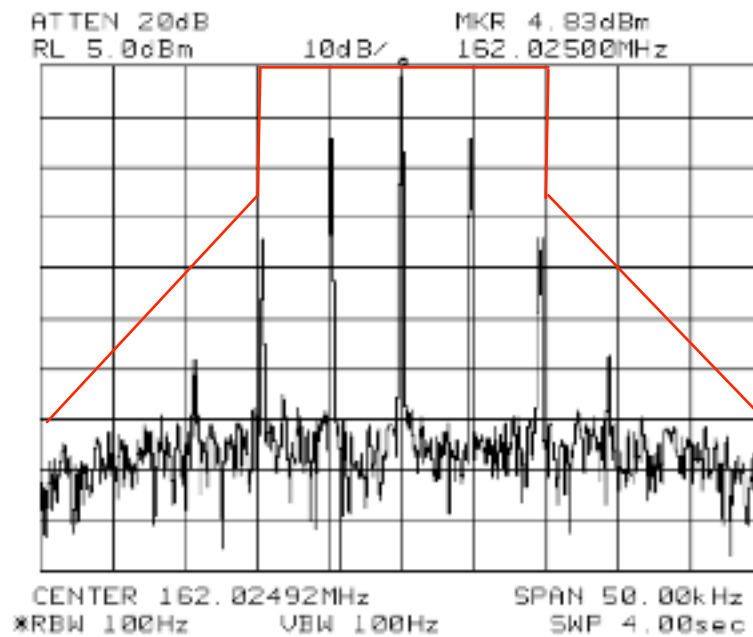


VIII. Measurement Results for AIS Physical Tests Cont'd:

3. Modulation Spectrum 25 kHz Channel TDMA Signals 2 & 3.

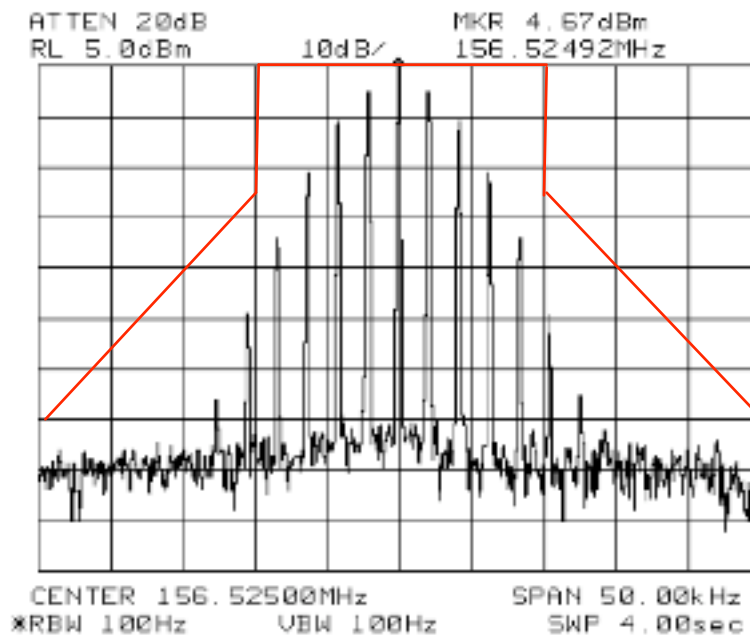
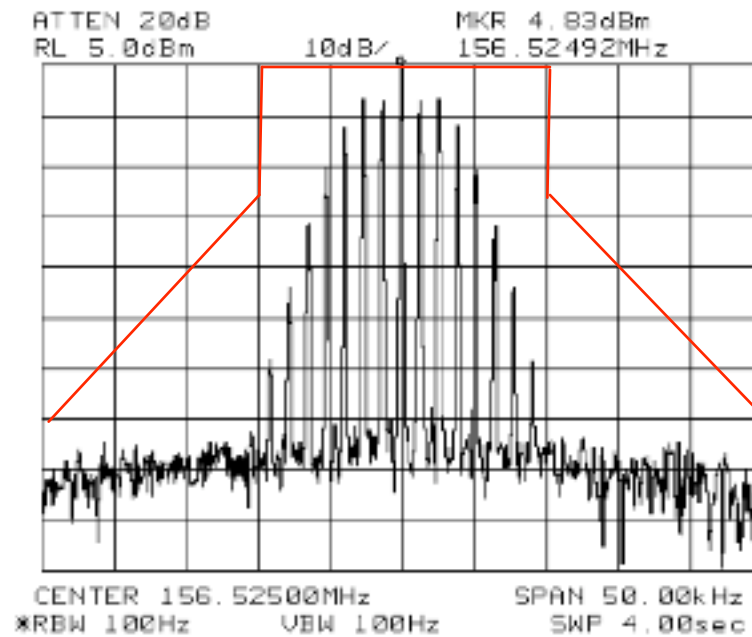
25kHz Envelope: 0dB $\pm$ 10kHz, decrease -25dBc to -70dBc from $\pm$ 10kHz to $\pm$ 25kHz



VIII. Measurement Results for AIS Physical Tests Cont'd:

3. Modulation Spectrum 25 kHz DSC Test Signal 1, 1300 & 2100 States.

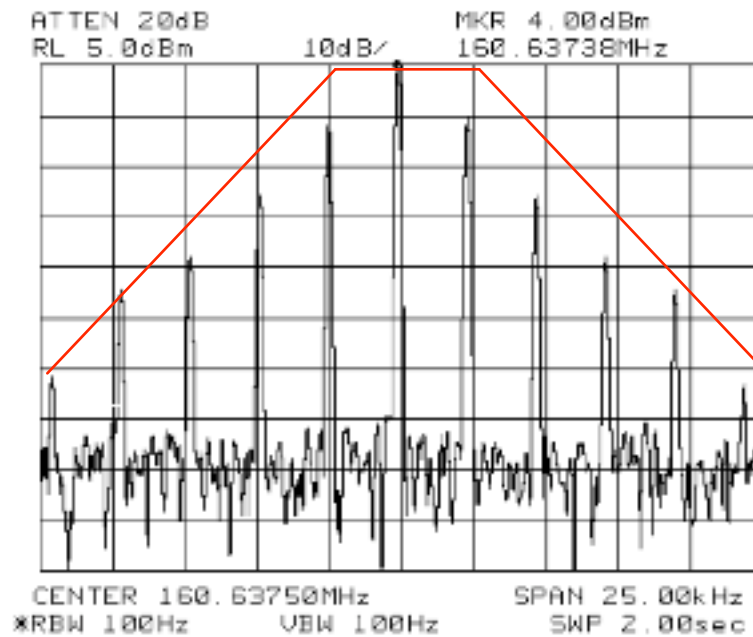
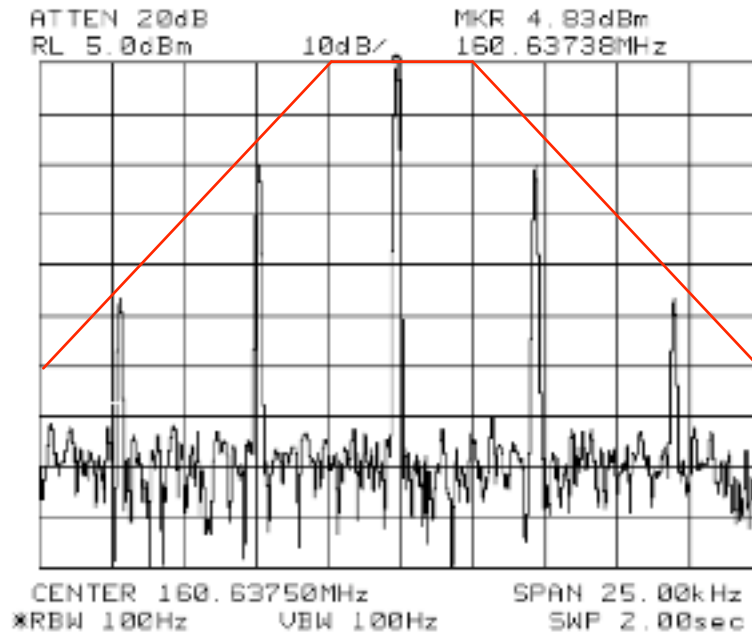
25kHz Envelope: 0dB $\pm$ 10kHz, decrease -25dBc to -70dBc from $\pm$ 10kHz to $\pm$ 25kHz



VIII. Measurement Results for AIS Physical Tests Cont'd:

3. Modulation Spectrum 12.5 kHz TDMA Signals 2 & 3.

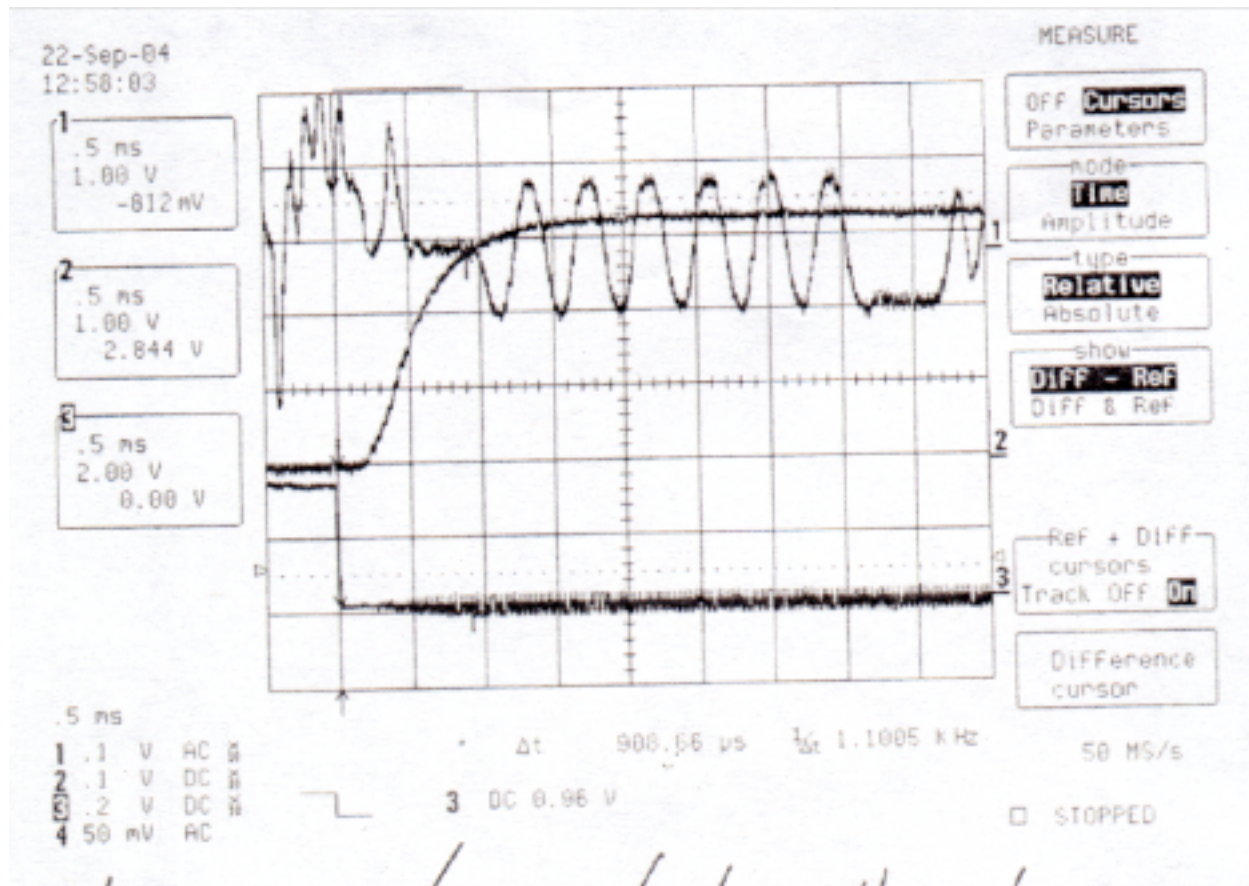
12.5kHz Envelope: 0dB $\pm$ 2.5kHz, decrease 0dBc to -60dBc from $\pm$ 2.5kHz to $\pm$ 12.5kHz



VIII. Measurement Results for AIS Physical Tests Cont'd:

4. Attack/Release Time.

Attack Specification: 80% power at 1ms,

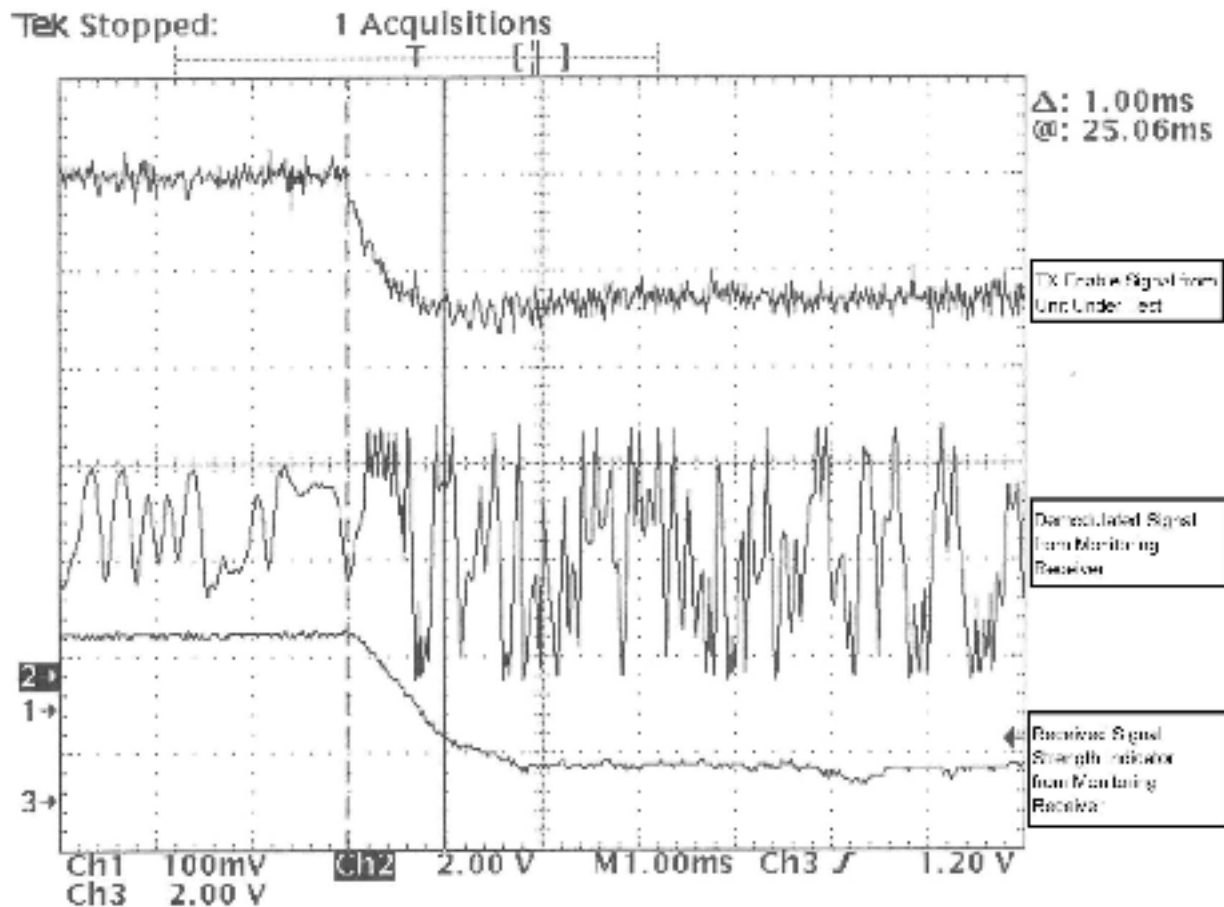


ce 1: Test discriminator output. Full scale signal is ± 2.4 kHz de
e 2: Test receiver RSSI. Relative indication of carrier p
e 3: EUT Transmitter ON signal (T_0) at falling edge
= Time for carrier power to reach steady state - 1 dB,
which is transmitter attack time
is within ± 1 kHz after 1ms

VIII. Measurement Results for AIS Physical Tests Cont'd:

4. Attack/Release Time.

Release Specification: -50% dBPC at 1ms



The transmit release time is measured in the same way as transmit attack time. The Transmit Enable signal derived from the unit under test is used to trigger the scope trace (top trace in figure). The relative transmit output power is derived from a monitoring receiver signal strength indicator output (bottom trace). The recovered demodulated signal is derived from a monitoring receiver discriminator output (middle trace). Time is measured from the deactivation of the Transmit Enable signal to the point where the transmitter power is 80% below its steady state level. Since there is significant delay in the RSSI response of the monitoring receiver, this represents a worst case measurement. As seen in the recovered demodulated signal trace, noise is output from the discriminator within 50 ms of the transmitter off time indicating that the output power is well below the required 50 dB level from steady state output.

VIII. Measurement Results for AIS Physical Tests Cont'd:

5. Sensitivity.

12.5 kHz Specification: -98 dBm @ 20% PER Normal Operation

Settings: = -91dBm out -7dB combiner = -98 dBm at EUT

Measured: -98 dBm @ 0% PER

9/21/04 Section 15.3.2 Sensitivity @ 157.4125 MHz T.132038.457987653

[illegible]

9/21/04 Section 15.3.2 Sensitivity @ 160.6375 MHz T.132542.487192133

[illegible]

VIII. Measurement Results for AIS Physical Tests Cont'd:

9/21/04 Section 15.4.1 Sensitivity @ -107 dBm @ 156.5265 MHz T,144114,49969733

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)

5. Sensitivity (DSC Error at High Input).

Specification: -7 dBm @ .01 BER Normal

Settings: 0 dBm out -7dB combiner = -7 dBm at EUT

Measured: -7 dBm @ 0 BER

9/21/04 Section 15.4.2 High input level T,145029,103230533

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. Co-Channel Rejection.

25 kHz Specification: -10 dB to 0 dB

Measured: -7 dB @ 0% PER

9/20/04 Section 15.3.4 B = 400 Hz modulation Co Channel lower T,183854,351371334

AIS: 75/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.9)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.9)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.9)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.9)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.9)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.9)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.0)	DSC: 0/0 bit-errors (Avg. 0.0000)

9/20/04 Section 15.3.4 B = Test signal 2 modulation Co Channel lower T,130316,357963333

AIS: 73/75 packets (Avg. 72.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.4)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.7)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.7)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.6)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 71/75 packets (Avg. 73.4)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.4)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.6)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.6)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.6)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.7)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 72/75 packets (Avg. 73.6)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.6)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 71/75 packets (Avg. 73.4)	DSC: 0/0 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. Co-Channel Rejection Cont'd.

25 kHz Specification: -10 dB to 0 dB

Measured: -7 dB@ 0% PER

9/20/04 Section 15.3.4 center B = 400 Hz modulation Co Channel T,183509,329693254

AIS: 74/75 packets (Avg. 74.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.5)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 71/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.1)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.3)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2)	DSC: 0/0 bit-errors (Avg. 0.0000)

9/20/04 Section 15.3.4 center B = Test signal 2 modulation Co Channel T,125840,331451973

AIS: 75/75 packets (Avg. 75.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.7)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8)	DSC: 0/0 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. Co-Channel Rejection Cont'd.

25 kHz Specification: -10 dB to 0 dB

Measured: -7 dB@ 0% PER

9/20/04 Section 15.3.4 B = 400 Hz modulation Co Channel upper T,183509,329693254

AIS: 74/75 packets (Avg. 74.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 71/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.1) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.3) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.3) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.3) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.2) DSC: 0/0 bit-errors (Avg. 0.0000)

9/20/04 Section 15.3.4 B = Test signal 2 modulation Co Channel upper T,130057,344623173

AIS: 73/75 packets (Avg. 73.7) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 72/75 packets (Avg. 73.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 72/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.7) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 72/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.7) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 72/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 71/75 packets (Avg. 73.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 73.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 73.6) DSC: 0/0 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. Co-Channel Rejection Cont'd.

12.5 kHz Specification: -18 dB to 0 dB

Measured: -8 dB@ 0% PER

9/21/04 Section 15.3.5B = 400 Hz modulation Co Channel @ 160.6360 MHz T, 133815, 559455813

[illegible]

9/21/04 Section 15.3.5B = Test signal 2 modulation Co Channel @ 160.6360 MHz T,135004,627521093

[illegible]

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. Co-Channel Rejection Cont'd.

12.5 kHz Specification: -18 dB to 0 dB

Measured: -8 dB@ 0% PER

9/21/04 Section 15.3.5B = 400 Hz modulation Co Channel @ 160.6375 MHz T,133215,52491117

AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)

9/21/04 Section 15.3.5B = Test signal 2 modulation Co Channel @ 160.6375 MHz T,134554,60353133

AIS: 74/75 packets (Avg. 74.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.7) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 76/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 76/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 76/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 76/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 76/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 76/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. DSC Co-Channel Rejection.

Specification: -10 dB to 0 dB Normal, 0.01 BER

Measured: -8 dB @ 0 BER

9/21/04 Section 15.4.3 Co channel @ -8 dB @ 156.522 MHz T,150354,180524613

[illegible]

9/21/04 Section 15.4.3 Co channel @ -8 dB @ 156.525 MHz T,145817,148181573

[illegible]

VIII. Measurement Results for AIS Physical Tests Cont'd:

6. DSC Co-Channel Rejection cont'd.

Specification: -10 dB to 0 dB Normal, 0.01 BER

Measured: -8 dB @ 0 BER

9/21/04 Section 15.4.3 Co channel @ -8 dB @ 156.528 MHz T,150110,164826693

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

7. Adjacent Channel Selectivity.

25 kHz Specification: ≥ 70 dB Normal

Measured: 77 dB @ 0% PER

9/21/04 Section 15.3.6 Adjacent channel lower T,185000,415263814

AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)

9/20/04 Section 15.3.6 Adjacent channel upper

AIS: 73/75 packets (Avg. 74.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 73/75 packets (Avg. 74.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.4) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.5) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.7) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.8) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 74/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 74.9) DSC: 0/0 bit-errors (Avg. 0.0)

VIII. Measurement Results for AIS Physical Tests Cont'd:

7. Adjacent Channel Selectivity.

12.5 kHz Specification: ≥ 50 dB Normal

Measured: 55 dB@ 0% PER

9/21/04 Section 15.3.7 Adjacent channel @ 160.650 MHz T,135801,673265733

[illegible]

9/21/04Section 15.3.7Adjacent channel @ 160.625 MHz T,140053,689782853

[illegible]

VIII. Measurement Results for AIS Physical Tests Cont'd:

8. Spurious Rejection.

Specification: ≥ 70 dB

Measured: 90 dB@ 0% PER

9/20/04 Section 15.3.8 Spurious @ 75 MHz T,191507,59631167
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)

9/20/04 Section 15.3.8 Spurious @ 143 MHz T,191856,81626687
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)
AIS: 75/75 packets (Avg. 75.0) DSC: 0/0 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

8. DSC Spurious Rejection.

Specification: ≥ 70 dB at 0.01 BER

Measured: 80 dB @ 0 BER

9/21/04 Section 15.4.5 Spurious @ +80 dB @ 156.475 MHz T,153213,51219013

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/430 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0004)
AIS: 0/75 packets (Avg. 0.0)	DSC: 2/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0010)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0008)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/360 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0008)
AIS: 0/75 packets (Avg. 0.0)	DSC: 2/450 bit-errors (Avg. 0.0010)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0010)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0009)

9/21/04 Section 15.4.5 Spurious @ +80 dB @ 156.575 MHz T,153522,69351493

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 2/450 bit-errors (Avg. 0.0022)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0015)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0004)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0005)
AIS: 0/75 packets (Avg. 0.0)	DSC: 2/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0006)

VIII. Measurement Results for AIS Physical Tests Cont'd:

9. Intermodulation Rejection. Specification: PER $\leq 20\%$, Measured: PER 10%

Signal Generator	A	B	C	D
Frequency1 MHz	162.025	161.525	163.025	167.750
Frequency2 MHz	156.025	155.525	157.025	150.300
Value at EUT	-101	-27	-27	-15

9/20/04 Section 15.3.9 Intermod T,194008,203802687

AIS: 72/75 packets (Avg. 72.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 72.5) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 73.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 66/75 packets (Avg. 71.2) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 70/75 packets (Avg. 71.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 67/75 packets (Avg. 70.3) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 70.6) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 71.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 71.2) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 71/75 packets (Avg. 71.2) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 71.2) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 69/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 69/75 packets (Avg. 70.9) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 71/75 packets (Avg. 70.9) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 69/75 packets (Avg. 70.9) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 71/75 packets (Avg. 70.9) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 70/75 packets (Avg. 71.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 71.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 70/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)

9/20/04 Section 15.3.9 Intermod T,194247,219029567

AIS: 73/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 70/75 packets (Avg. 71.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 68/75 packets (Avg. 72.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 70/75 packets (Avg. 72.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 72.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 72.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 72.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 71/75 packets (Avg. 71.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 72.5) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 71/75 packets (Avg. 72.0) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 69/75 packets (Avg. 71.2) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 71.6) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 71.8) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 71.9) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 72.1) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 75/75 packets (Avg. 72.4) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 72.6) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 72.5) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 71/75 packets (Avg. 72.4) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 72.4) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 72/75 packets (Avg. 72.4) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 74/75 packets (Avg. 72.5) DSC: 0/0 bit-errors (Avg. 0.0000)
 AIS: 73/75 packets (Avg. 72.5) DSC: 0/0 bit-errors (Avg. 0.0000)

VIII. Measurement Results for AIS Physical Tests Cont'd:

9. DSC Intermodulation Rejection.

Specification: ≥ 65 dB @ .01 BER

Measured: 75 dB @ 0 BER

9/21/04 Section 15.4.6 Intermod @ 65 dB lower T,155446,48733251

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)

9/21/04 Section 15.4.6 Intermod @ 65 dB upper T,155023,23489091

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0001)

VIII. Measurement Results for AIS Physical Tests Cont'd:

10. T/R Switching Time.

Specification: -107 dBm @ 20% PER, Measured: -107 dBm @ 20% PER

The TDMA receiver operates in the slot immediately following the transmit slot.

The attached file contains PI output from our radio that was obtained during the Slot-Reuse test. During this test, the VDL was loaded 100%. The following is an extract from the file:

```
13:05:48 !AIVDM,1,1,,B,100000@00:Ph5FJNqTmkQ2mN4@L9,0*73
13:05:48 !AIVDM,1,1,,B,100000P00:Pek9NNWCCkQ2mN4@L:,0*57
13:05:48 !AIVDM,1,1,,B,100000h00:Ph5srNqaQkQ2mN4@L:,0*5D
13:05:48 !AIVDM,1,1,,B,100001000:PekfvNWH03Q2mN4@L<,0*77
13:05:48 !AIVDM,1,1,,B,100001@00:Ph6QJNqf>3Q2mN4@L=,0*5B
13:05:48 !AIVDM,1,1,,B,100001P00:PeIDNNWLd3Q2mN4@L>,0*58
13:05:48 !AIVDM,1,1,,B,100001h00:Ph76pNqjqkQ2mN4@L?,0*36
13:05:48 !AIVDM,1,1,,B,100002000:PeIqvNWQGkQ2mN4@L@,0*2E
13:05:48 !AIVDM,1,1,,B,100002@00:Ph7dHNqoUkQ2mN4@LA,0*28
13:05:48 !AIVDM,1,1,,B,100002P00:PemOLNWV3SQ2mN4@LB,0*02
13:05:48 !AIVDM,1,1,,B,100002h00:Ph8AnNqtB3Q2mP4@LC,0*44
13:05:48 !AIVDM,1,1,,B,100003000:Pen4tNWbh3Q2mP4@LD,0*34
13:05:48 !AIVDM,1,1,,B,100003@00:Ph8oFNr0v3Q2mP4@LE,0*1E
13:05:48 !AIVDM,1,1,,B,100003P00:PenbJNWgKkQ2mP4@LF,0*40
13:05:48 !AIVDM,1,1,,B,100003h00:Ph9LnNr5akQ2mP4@LG,0*74
13:05:48 !AIVDM,1,1,,B,100004000:Peo?rNWI7kQ2mP4@LH,0*3A
13:05:48 !AIVDM,1,1,,B,100004@00:Ph:2DNr:ESQ2mP4@LI,0*11
13:05:48 !AIVDM,1,1,,B,100004P00:PeomHNWpl3Q2mP4@LJ,0*2F
13:05:48 !AIVDM,1,1,,B,100004h00:Ph:WINr?23Q2mP4@LK,0*64
13:05:48 !AIVDM,1,1,,B,100005000:PepJpNWuP3Q2mP4@LL,0*71
13:05:48 !AIVDM,1,1,,B,100005@00:Ph:=BNrCekQ2mP4@LM,0*7D
13:05:48 !AIVDM,1,1,,B,100005P00:Peq0HN`2;kQ2mP4@LN,0*13
13:05:48 !AIVDM,1,1,,B,100005h00:Ph;jjNrHlkQ2mP4@LO,0*0F
13:05:48 !AIVDM,1,1,,B,100006000:PeqUnN`6oSQ2mP4@LP,0*45
13:05:48 !AIVDM,1,1,,B,100006@00:Ph<H@NrM63Q2mP4@LQ,0*17
13:05:48 !AIVDM,1,1,,B,100006P00:Per;FN`;T3Q2mP4@LR,0*34
13:05:48 !AIVDM,1,1,,B,100006h00:Ph<uhNrQj3Q2mP4@LS,0*68
13:05:48 !AIVDM,1,1,,B,100007000:PerhIN`@?kQ2mP4@LT,0*62
13:05:48 !AIVDM,1,1,,B,100007@00:Ph=S@NrVMkQ2mP4@LU,0*30
13:05:48 !AIVDM,1,1,,B,100007P00:PesFDN`DskQ2mP4@LV,0*4F
13:05:48 !AIVDM,1,1,,B,100007h00:Ph>8fNrc9SQ2mP4@LW,0*2D
13:05:48 !AIVDM,1,1,,B,100008000:PessjN`I`3Q2mP4@L`,0*4B
13:05:48 !AIVDM,1,1,,B,100008@00:Ph>f<Nrgn3Q2mP4@La,0*0B
13:05:48 !AIVDM,1,1,,B,100008P00:PetQBN`ND3Q2mP4@Lb,0*07
13:05:48 !AIVDO,1,1,,,10003tg03r0eoejNWCLec01N0@KQ,0*35
13:05:48 !AIVDM,1,1,,B,100008h00:Ph?CdNrlQkQ2mP4@Lc,0*31
13:05:48 !AIVDM,1,1,,B,100009000:Peu6hN`RwkQ2mP4@Ld,0*5B
13:05:48 !AIVDO,1,1,,B,10003tg03r0eoejNWCLec01N00SB,0*0C
13:05:48 !AIVDM,1,1,,B,100009P00:Peud@N`WcSQ2mP4@Lf,0*6A
```

You can see that during this 1-second interval there are 37 VDM (received messages) and one VDO (transmitted message).

Note that the first VDO does not correspond to a transmitted message.

Since there are 37.5 time-slots in 1 second, our radio must have had to receive a message in a timeslot immediately after the timeslot used for the transmission.

VIII. Measurement Results for AIS Physical Tests Cont'd:

11. DSC Blocking/Desensitization.

Specification: ≥ 84 dB @ $>.01$ BER

Measured: 84 dB @ >.01 BER

9/21/04 Section 15.4.7 Blocking @ 84 dB lower T,160030,81775171

AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0000)
AIS: 0/75 packets (Avg. 0.0)	DSC: 3/450 bit-errors (Avg. 0.0004)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0004)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0004)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0003)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0003)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0003)
AIS: 0/75 packets (Avg. 0.0)	DSC: 2/450 bit-errors (Avg. 0.0005)

9/21/04 Section 15.4.7 Blocking @ 84 dB upper T,172311,32707652

AIS: 0/75 packets (Avg. 0.0)	DSC: 4/360 bit-errors (Avg. 0.0034)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0025)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0019)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0016)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0013)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0012)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0010)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0008)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0007)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0008)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0009)
AIS: 0/75 packets (Avg. 0.0)	DSC: 2/450 bit-errors (Avg. 0.0012)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0011)
AIS: 0/75 packets (Avg. 0.0)	DSC: 7/450 bit-errors (Avg. 0.0018)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/360 bit-errors (Avg. 0.0019)
AIS: 0/75 packets (Avg. 0.0)	DSC: 3/400 bit-errors (Avg. 0.0021)
AIS: 0/75 packets (Avg. 0.0)	DSC: 1/450 bit-errors (Avg. 0.0021)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/450 bit-errors (Avg. 0.0020)
AIS: 0/75 packets (Avg. 0.0)	DSC: 0/360 bit-errors (Avg. 0.0020)

VIII. Measurement Results for AIS Physical Tests Cont'd:

12. Power Supply.

Overvoltage Specification: 40 VDC Extreme Operation

Reverse Polarity: No Damage, Extreme Operation

Voltage Variation: 21.6 - 31.2 VDC, Extreme Operation

Mode	Specified Value	Measured Value	Observed Effect
Overvoltage	40 VDC	40 VDC	Unit Shuts Down
Reverse Polarity	-24 VDC	-24 VDC	No Effect
Voltage Variation	21.6 VDC to 31.2 VDC	21.6 VDC to 31.2 VDC	Unit Operates Normally

13. Acoustic.

Specification: ≤ 60 dBA @ 1 Meter

AIS Face	Specification dBA	Measured dBA
Front	60	47
Top	60	49
Bottom	60	47
Right Side	60	48
Left Side	60	47
Rear	60	49