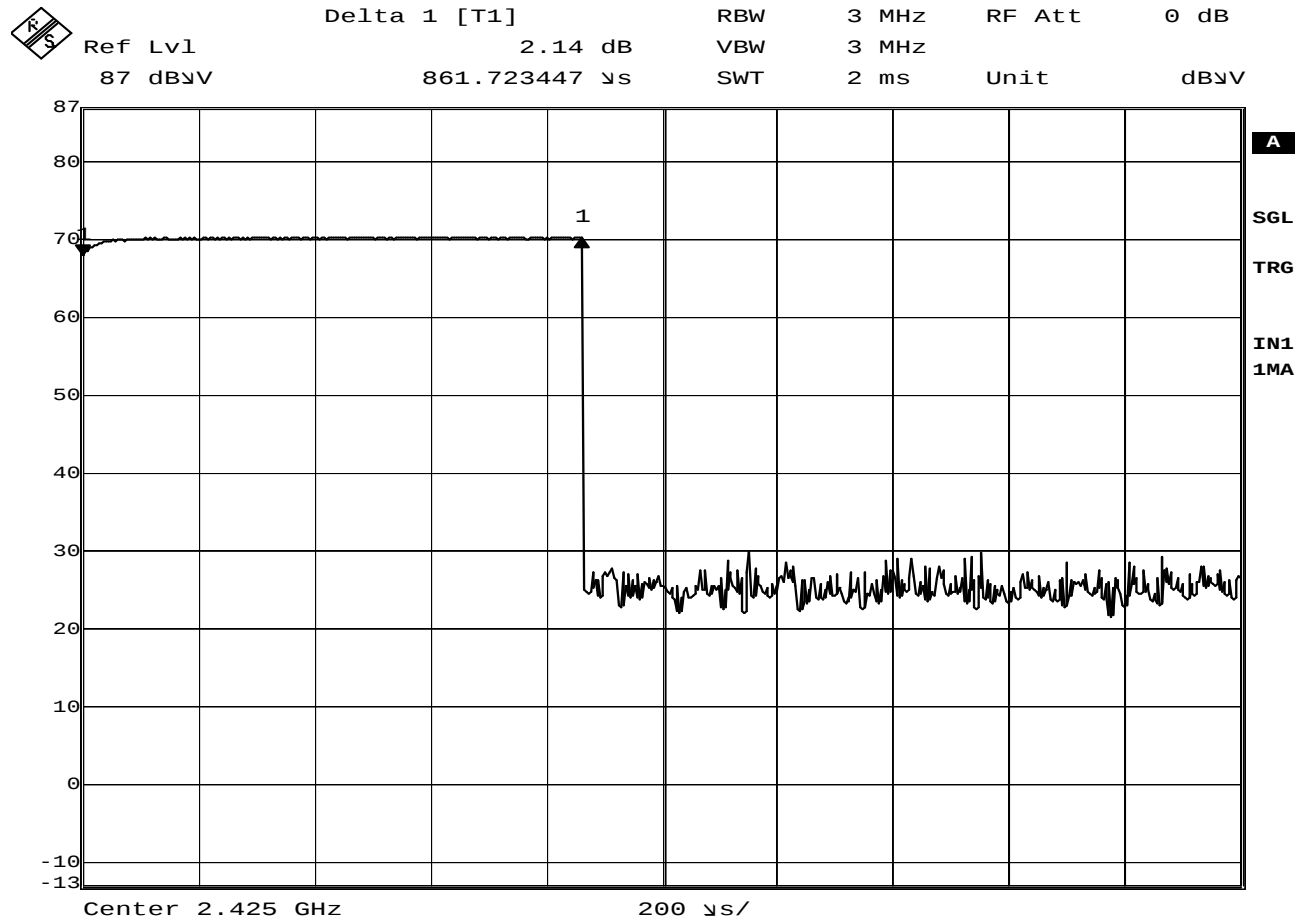




MANUFACTURER : Twisthink  
MODEL NO. : Master Station  
SERIAL NO. : See Below  
TEST MODE : See Below  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Effective Isotropic Radiated Emissions (EIRP)  
NOTES :  
EQUIPMENT USED : NWI1, T2S7, RBB0, NWI0, GRE0, CMA1,

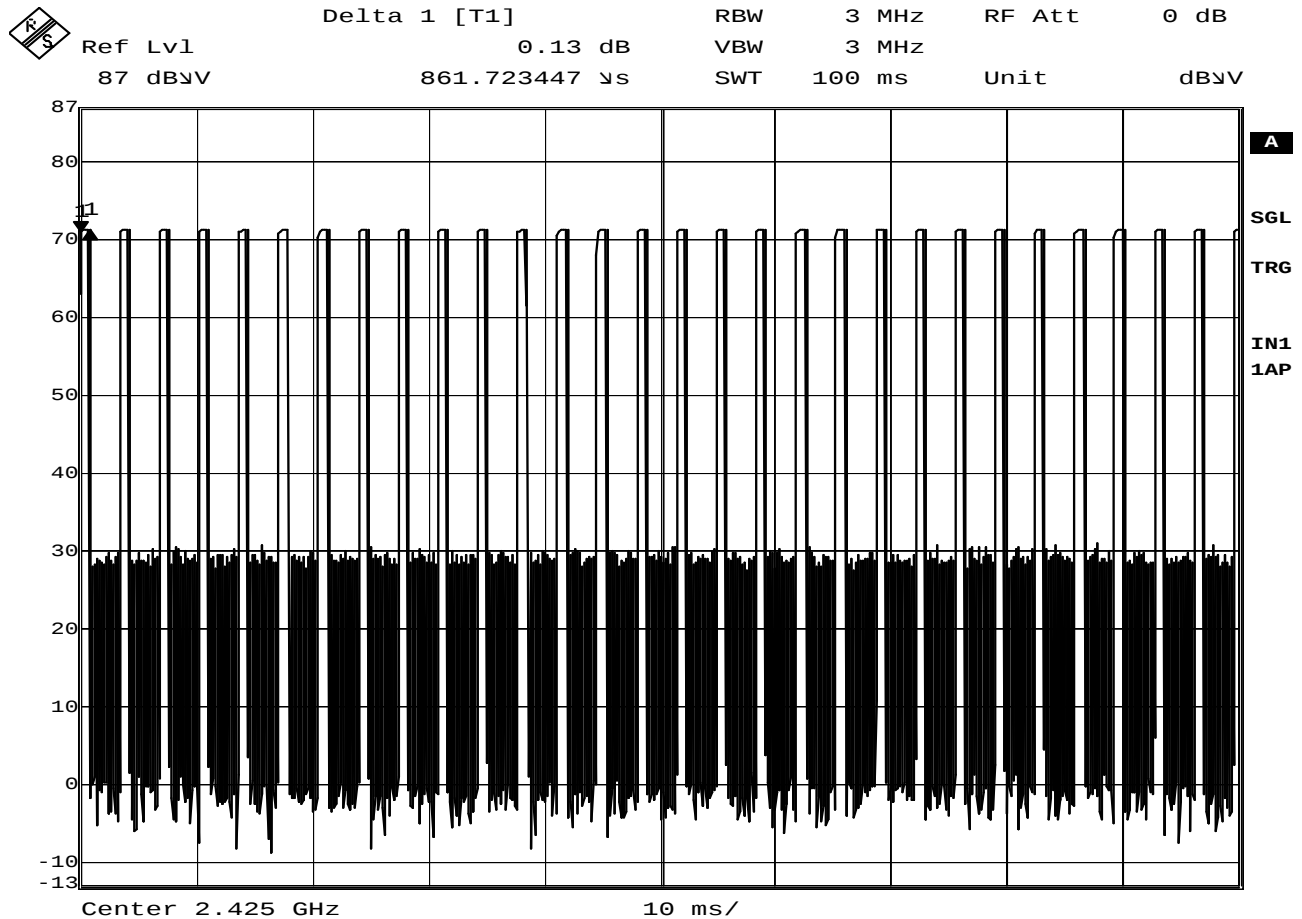
| Frequency<br>MHz                                                  | Antenna<br>Polarity | Meter<br>Reading<br>dBuV | Matched Signal<br>Generator<br>Reading<br>dBm | Antenna<br>Gain<br>dB | Cable<br>Loss<br>dB | EIRP<br>dBm | Limit<br>dBm |
|-------------------------------------------------------------------|---------------------|--------------------------|-----------------------------------------------|-----------------------|---------------------|-------------|--------------|
| Master Station 801 Filter, Serial No. 1082, Tx @ 2405MHz (Ch. 11) |                     |                          |                                               |                       |                     |             |              |
| 2405.0                                                            | H                   | 91.8                     | 24.2                                          | 6.5                   | 3.0                 | 27.7        | 36.0         |
| 2405.0                                                            | V                   | 92.8                     | 25.3                                          | 6.5                   | 3.0                 | 28.8        | 36.0         |
| Master Station 803 Filter, Serial No. 1085, Tx @ 2425MHz (Ch. 15) |                     |                          |                                               |                       |                     |             |              |
| 2425.0                                                            | H                   | 91.6                     | 24.8                                          | 6.6                   | 3.1                 | 28.3        | 36.0         |
| 2425.0                                                            | V                   | 92.5                     | 25.7                                          | 6.6                   | 3.1                 | 29.2        | 36.0         |
| Master Station 806 Filter, Serial No. 1087, Tx @ 2445MHz (Ch. 19) |                     |                          |                                               |                       |                     |             |              |
| 2445.0                                                            | H                   | 90.7                     | 24.4                                          | 6.6                   | 3.1                 | 28.0        | 36.0         |
| 2445.0                                                            | V                   | 92.7                     | 26.0                                          | 6.6                   | 3.1                 | 29.6        | 36.0         |



Date: 7.JUL.2010 14:54:17

**FCC 15.247 Duty Cycle Correction Factor**

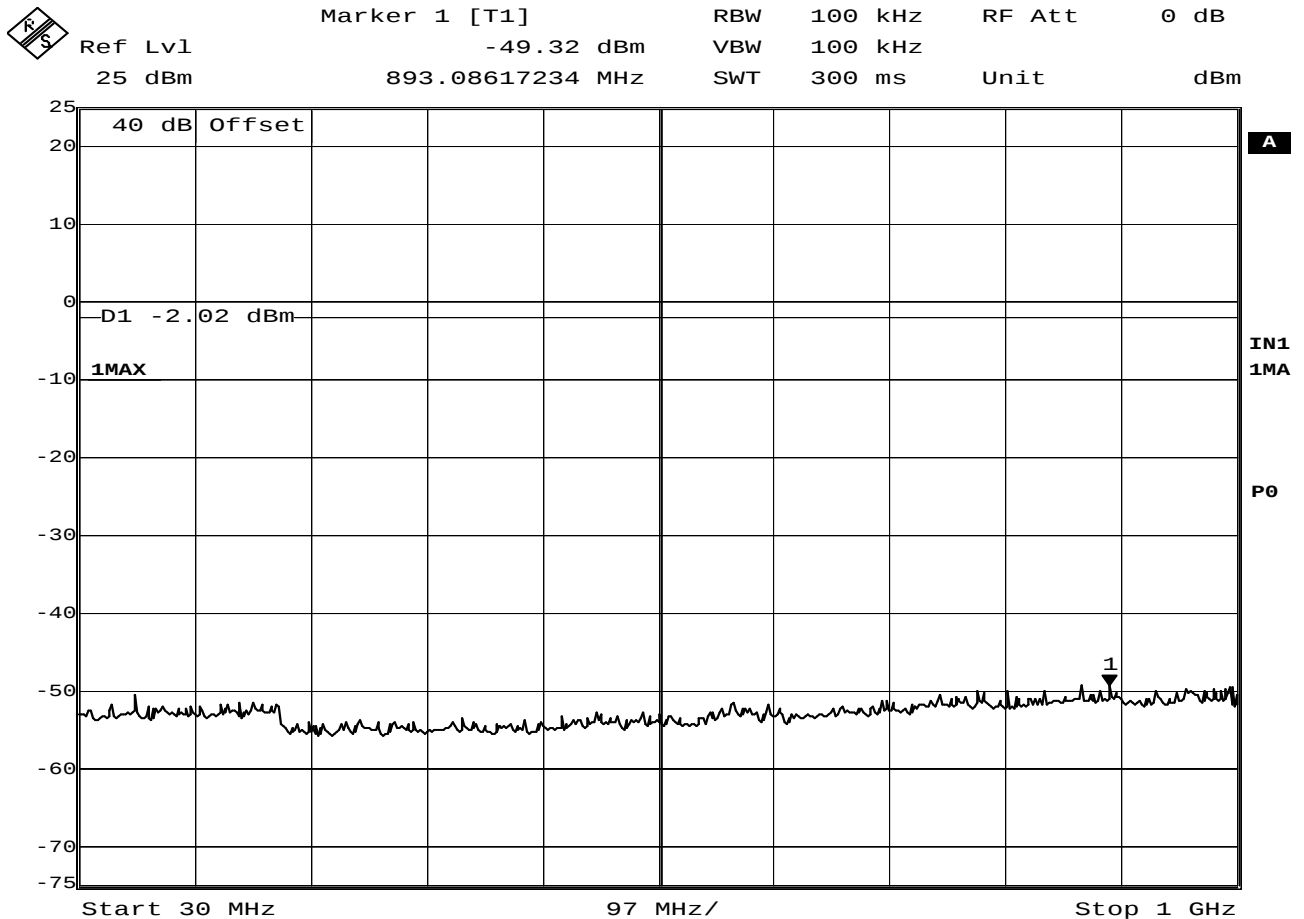
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2.425GHz (Ch. 15)  
TEST DATE : July 7, 2010  
TEST PARAMETERS : Duty Cycle Correction Factor  
NOTES : Pulse width = 861.7μsec  
EQUIPMENT USED : RBB0, T2S7, NWI1



Date: 7.JUL.2010 15:00:30

**FCC 15.247 Duty Cycle Correction Factor**

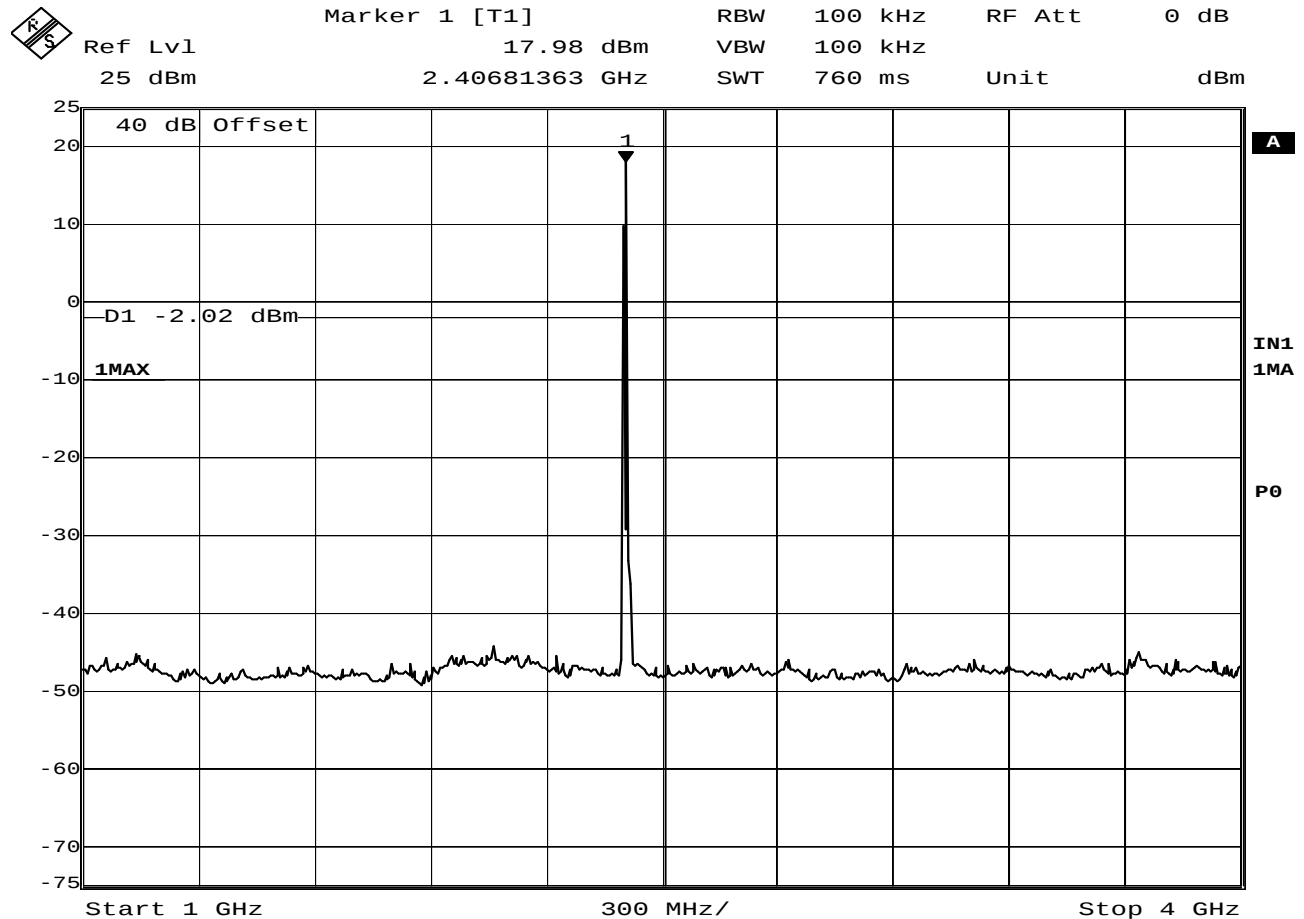
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2.425GHz (Ch. 15)  
TEST DATE : July 7, 2010  
TEST PARAMETERS : Duty Cycle Correction Factor  
NOTES : Pulse width = 861.7μsec, approximately 30 pulses per 100msec  
: Duty Cycle =  $20 \cdot \log(\text{on time}/100\text{msec}) = 20 \cdot \log((30 \cdot 861.7\mu\text{sec})/100\text{msec})$   
: Duty Cycle =  $20 \cdot \log(0.25851) = -11.75\text{dB}$   
EQUIPMENT USED : RBB0, T2S7, NW11



Date: 15.JUL.2010 13:31:22

**15.247(d) Spurious Emissions at Antenna Terminal**

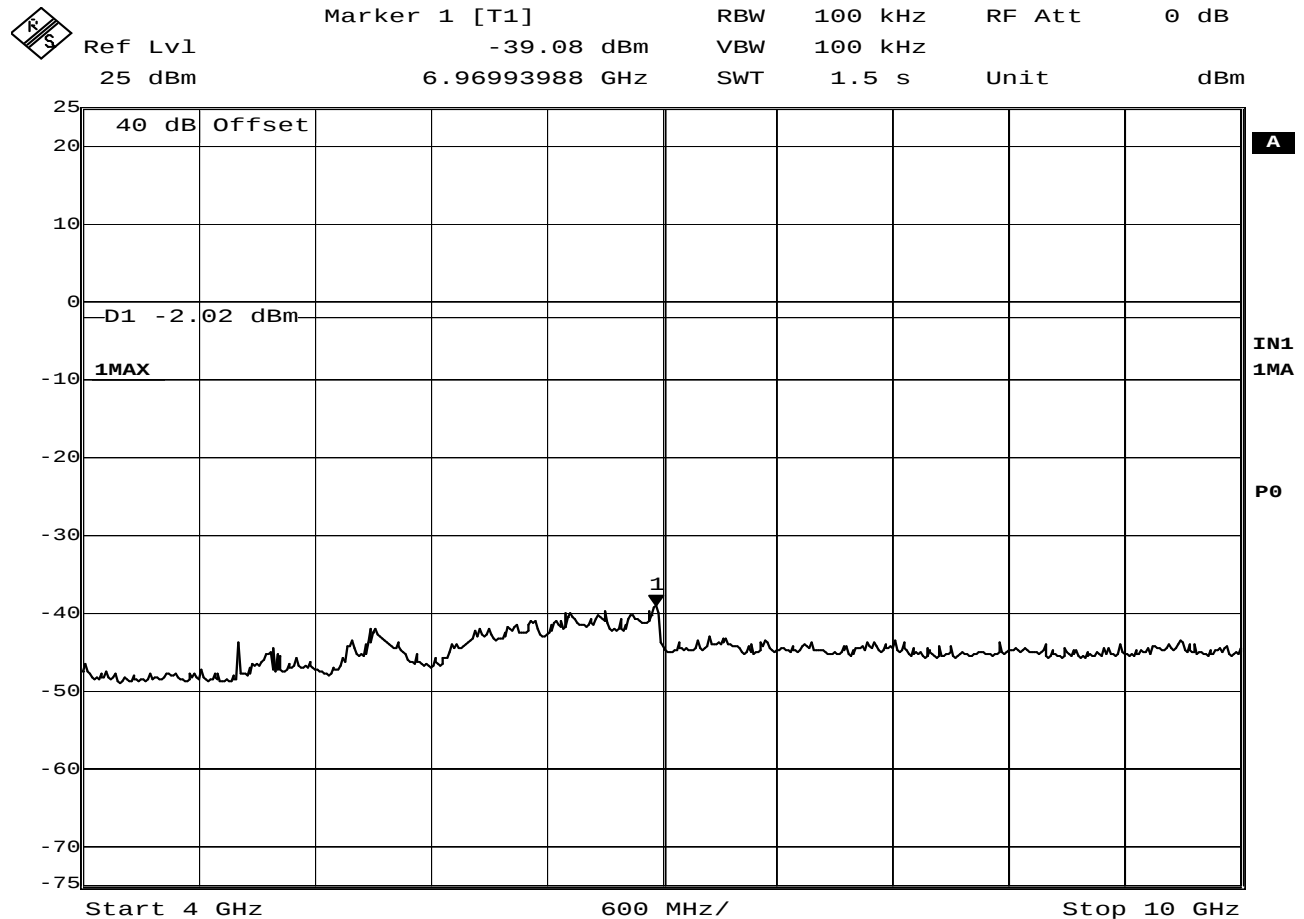
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 801 Filter  
SERIAL NUMBER : 1082  
TEST MODE : Tx @ 2405MHz (ch. 11)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:08:52

**15.247(d) Spurious Emissions at Antenna Terminal**

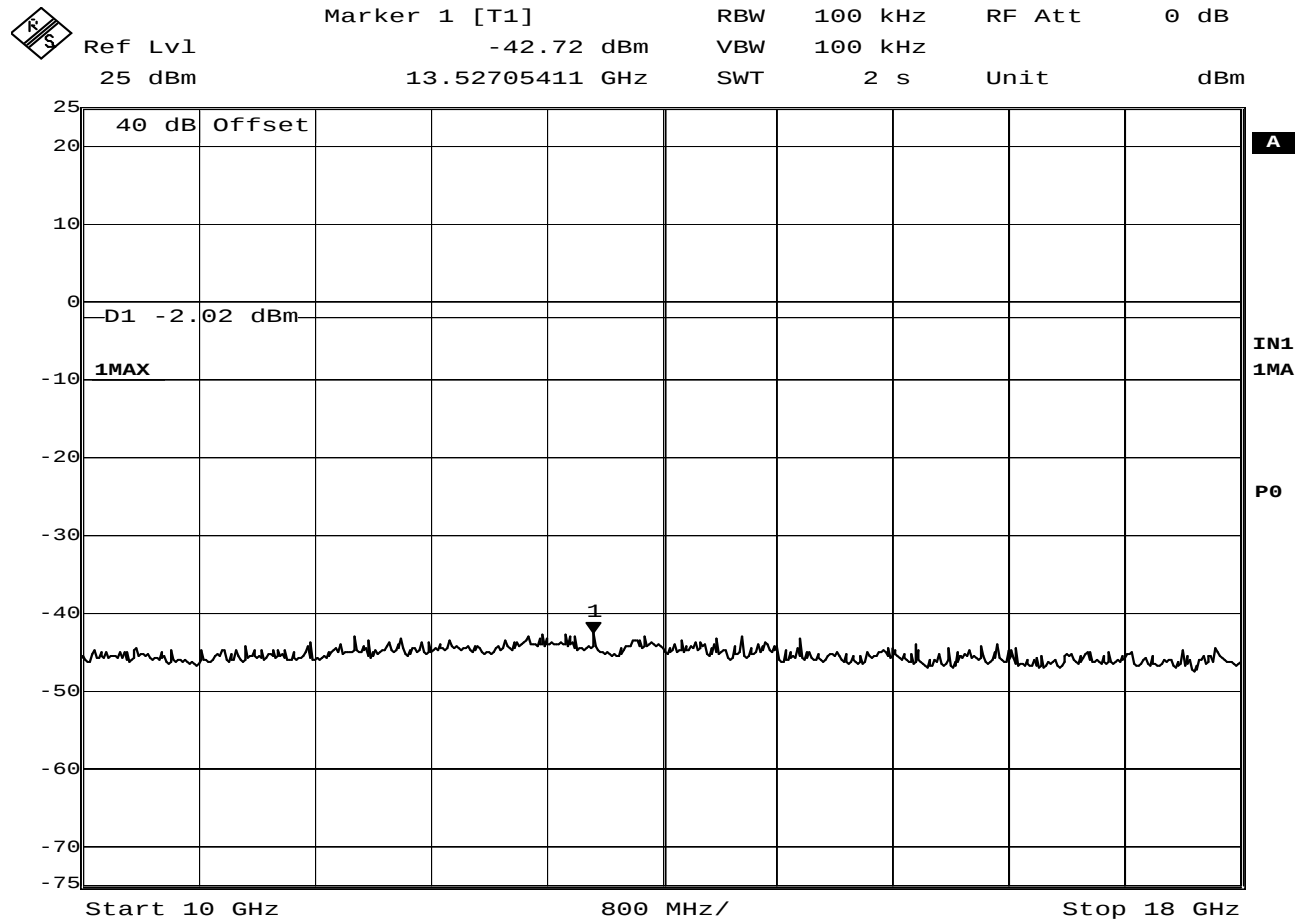
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 801 Filter  
SERIAL NUMBER : 1082  
TEST MODE : Tx @ 2405MHz (ch. 11)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:25:57

**15.247(d) Spurious Emissions at Antenna Terminal**

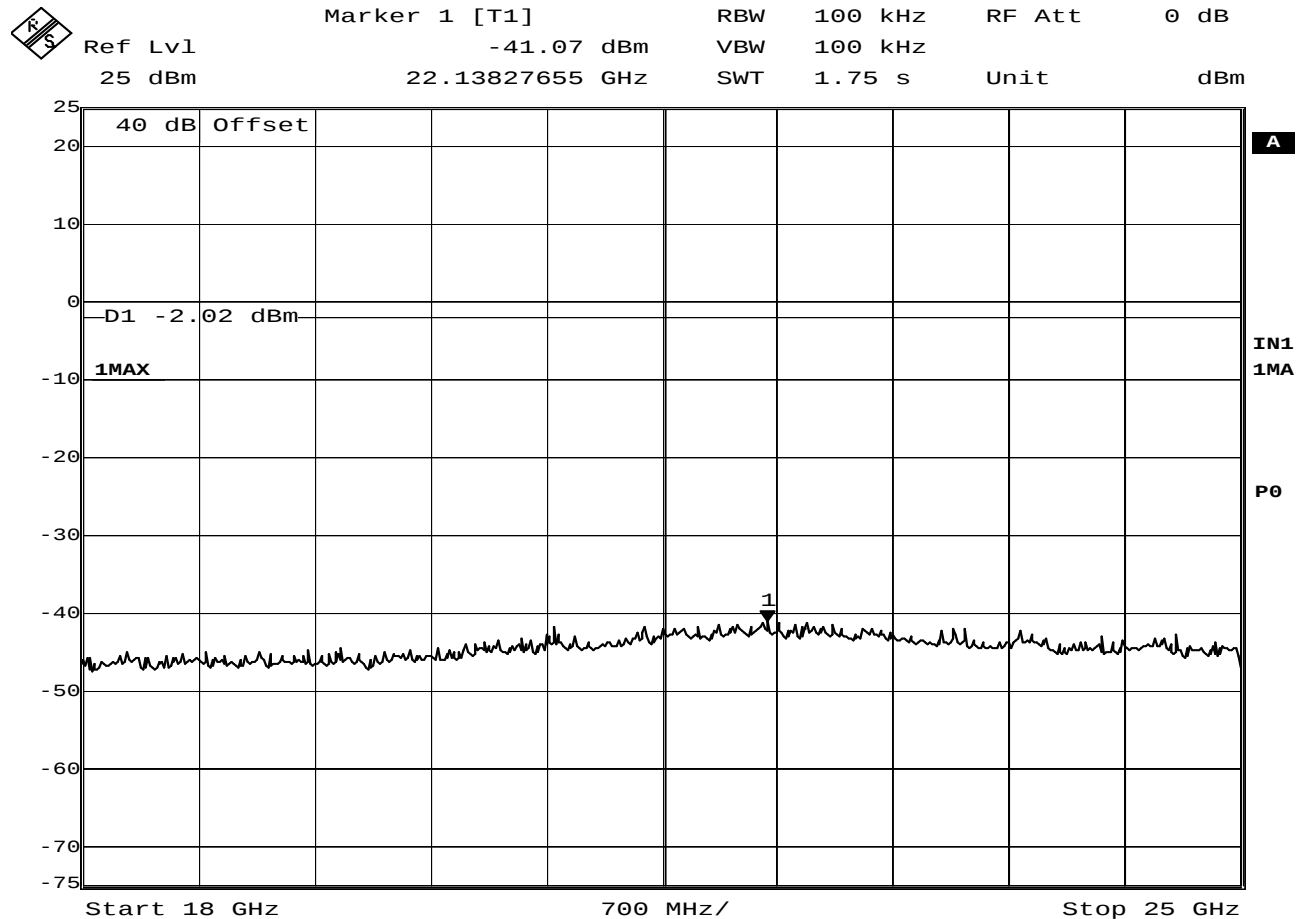
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 801 Filter  
SERIAL NUMBER : 1082  
TEST MODE : Tx @ 2405MHz (ch. 11)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:42:04

**15.247(d) Spurious Emissions at Antenna Terminal**

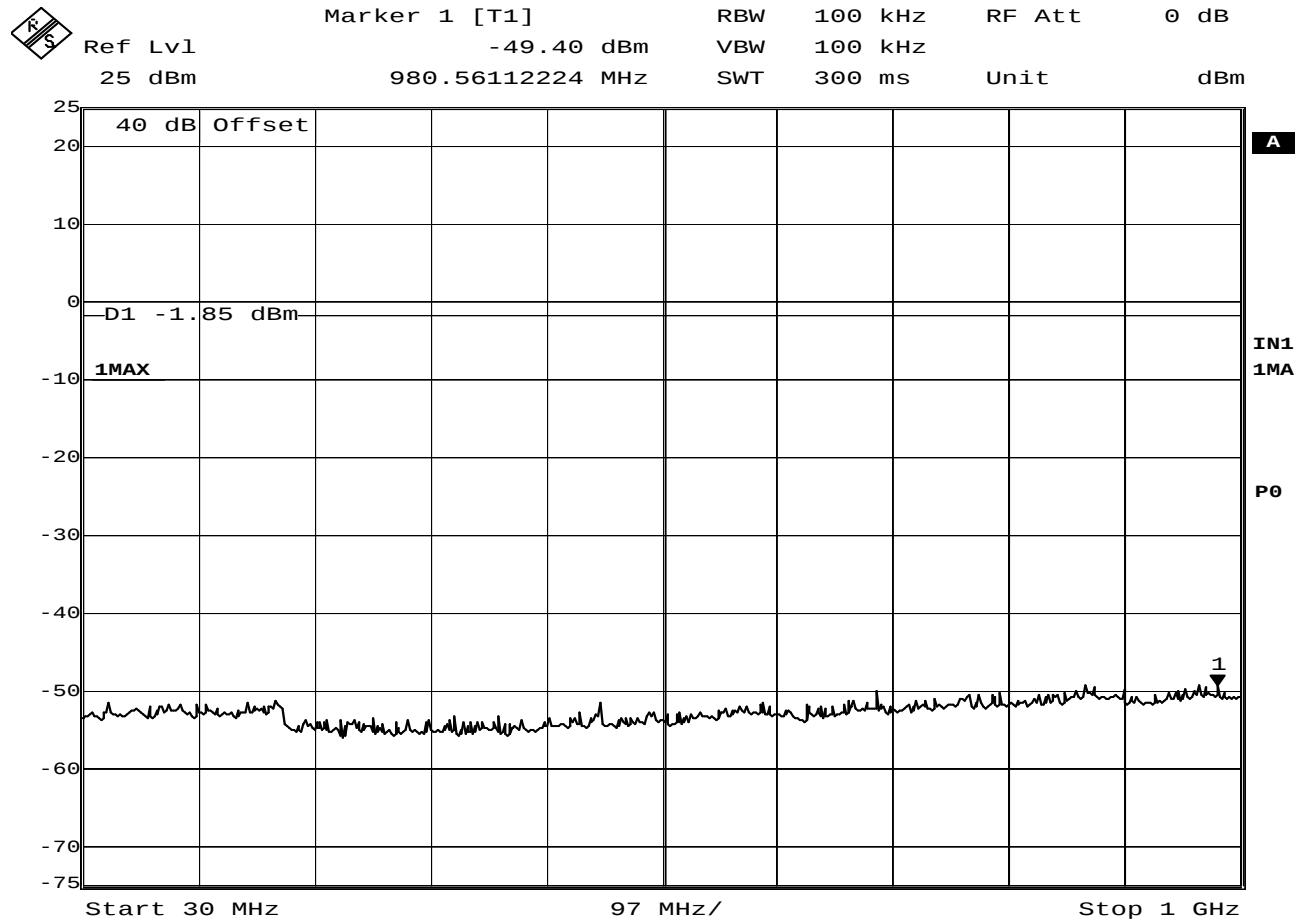
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 801 Filter  
SERIAL NUMBER : 1082  
TEST MODE : Tx @ 2405MHz (ch. 11)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:46:38

**15.247(d) Spurious Emissions at Antenna Terminal**

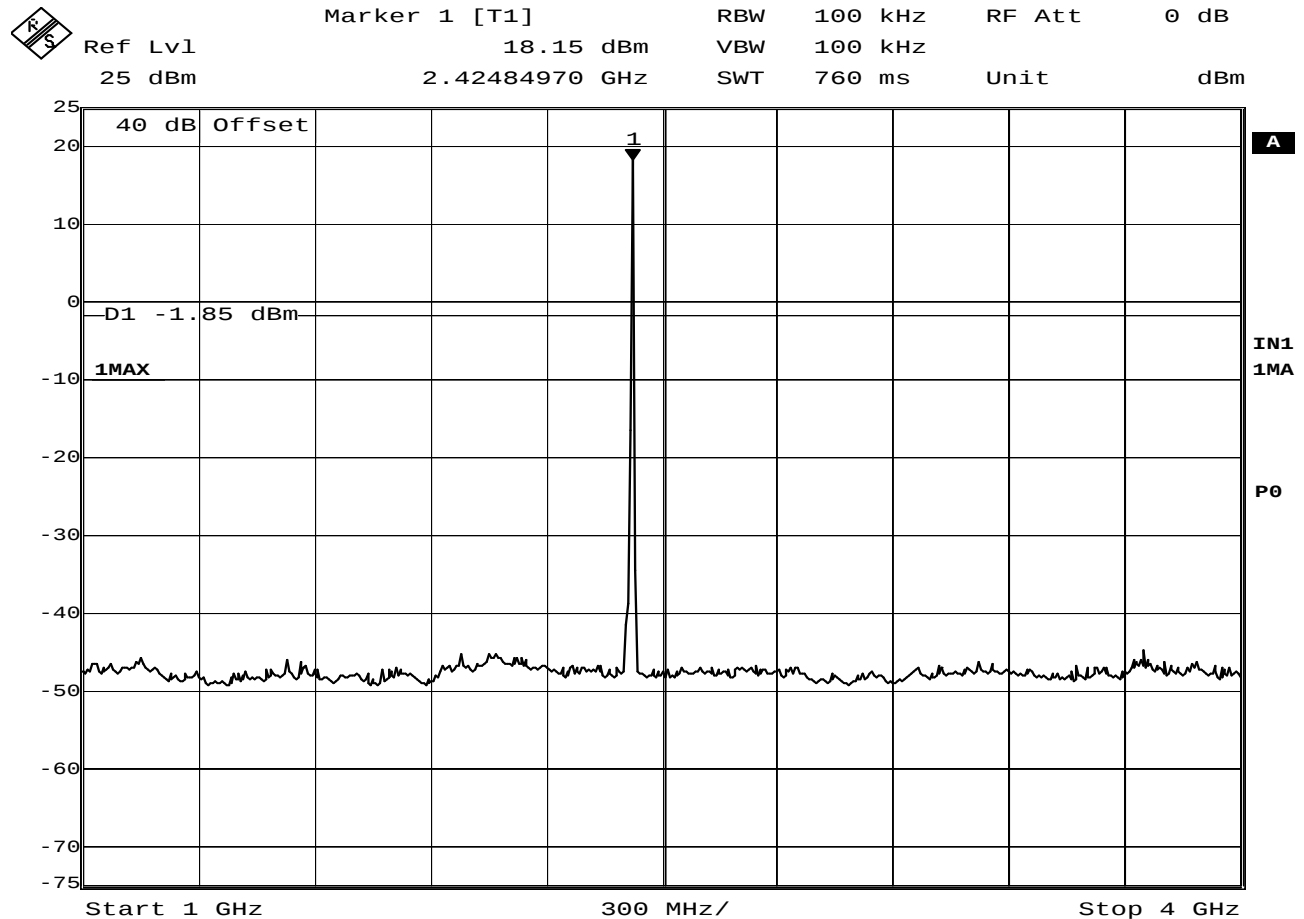
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 801 Filter  
SERIAL NUMBER : 1082  
TEST MODE : Tx @ 2405MHz (ch. 11)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 13:00:29

**15.247(d) Spurious Emissions at Antenna Terminal**

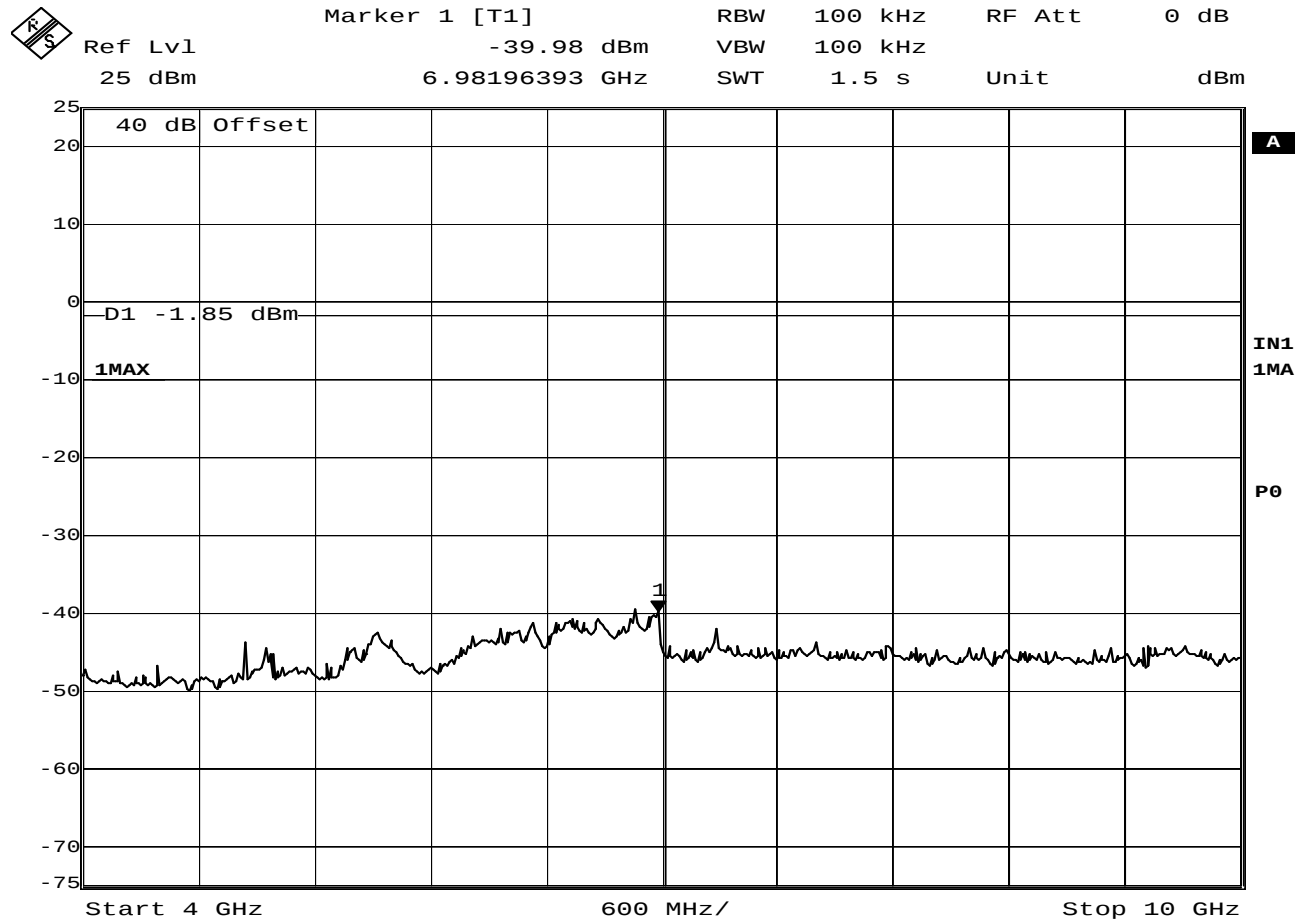
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2425MHz (ch. 15)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:53:29

**15.247(d) Spurious Emissions at Antenna Terminal**

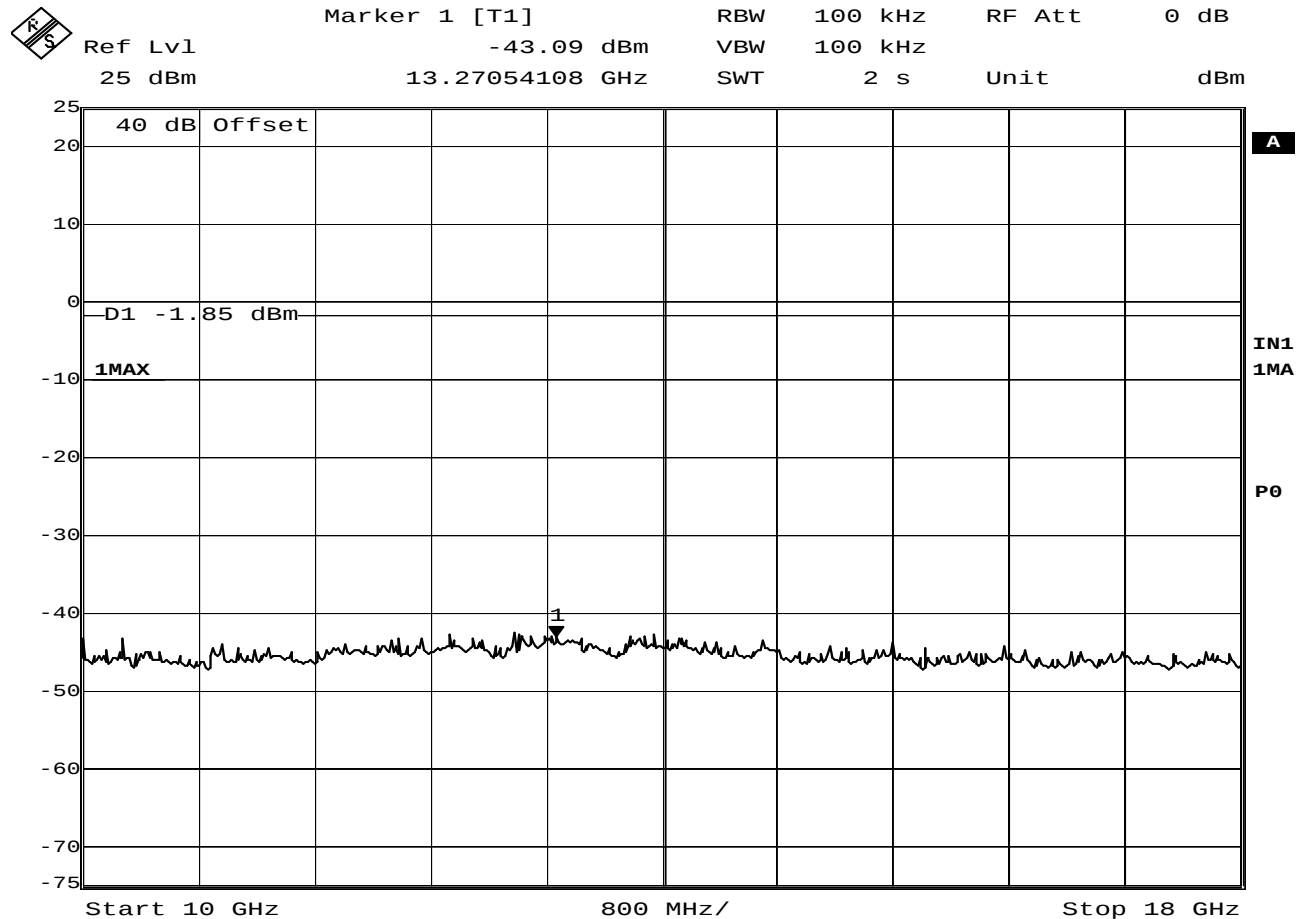
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2425MHz (ch. 15)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:56:14

**15.247(d) Spurious Emissions at Antenna Terminal**

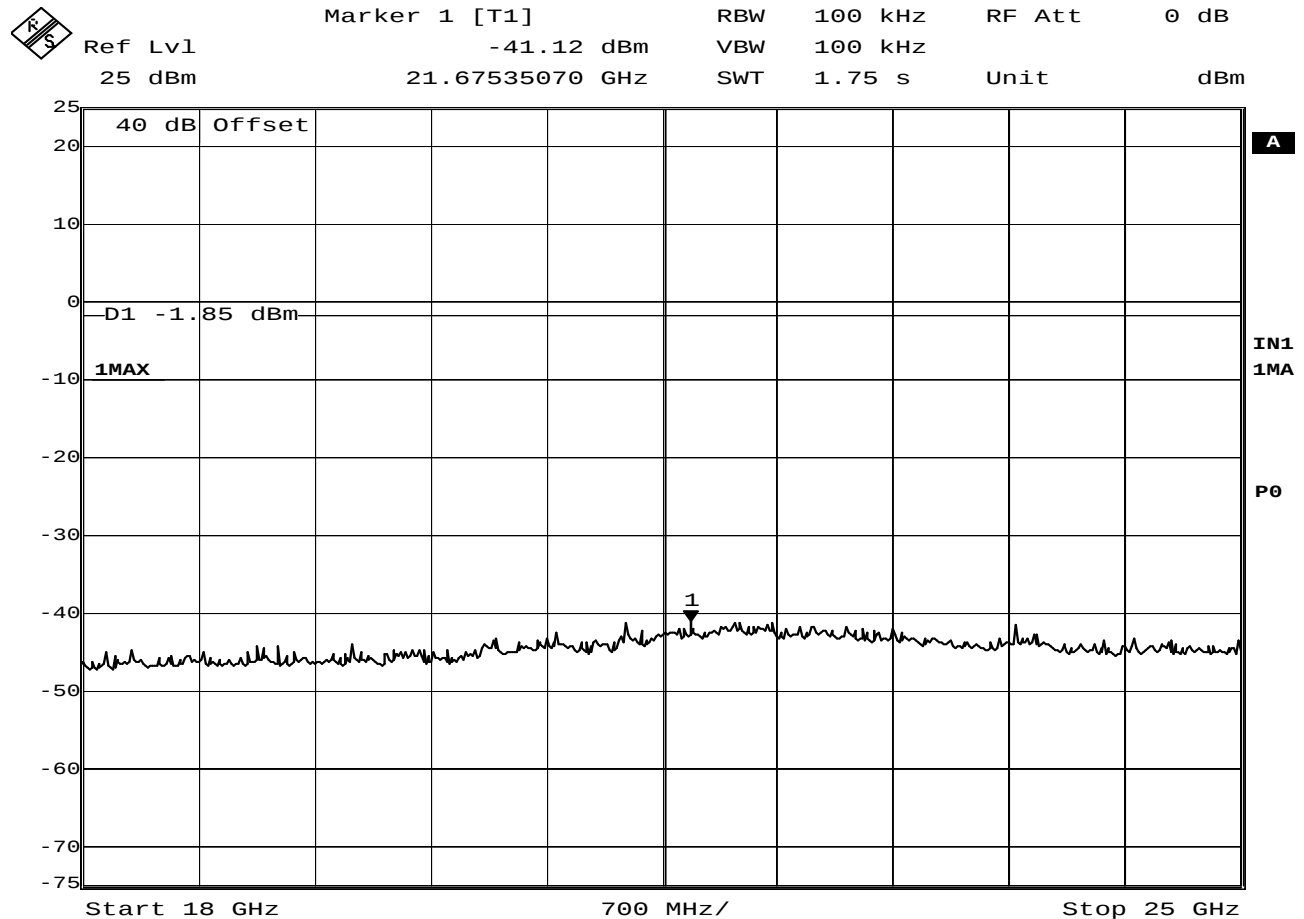
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2425MHz (ch. 15)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 12:58:20

**15.247(d) Spurious Emissions at Antenna Terminal**

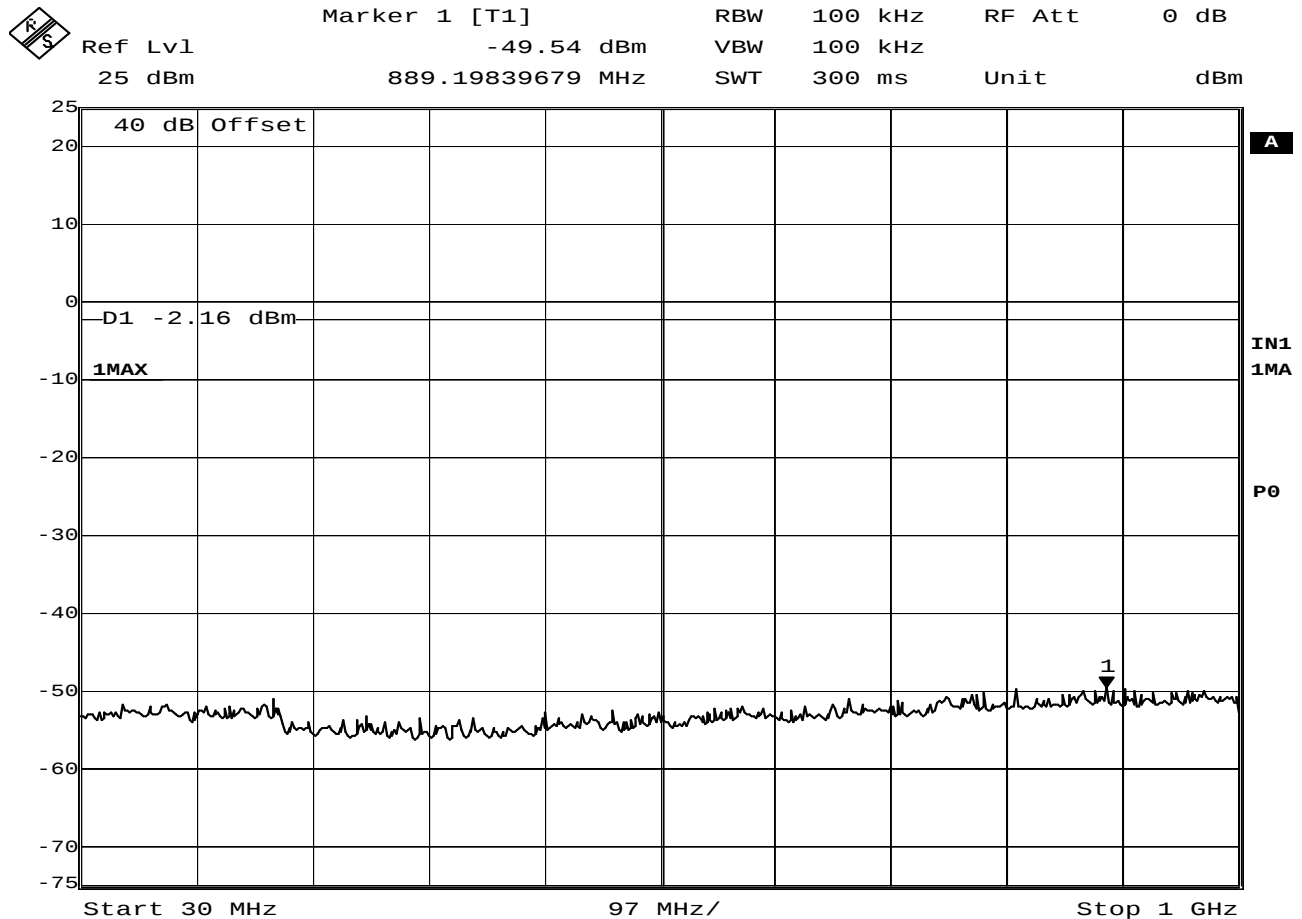
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2425MHz (ch. 15)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 13:26:41

**15.247(d) Spurious Emissions at Antenna Terminal**

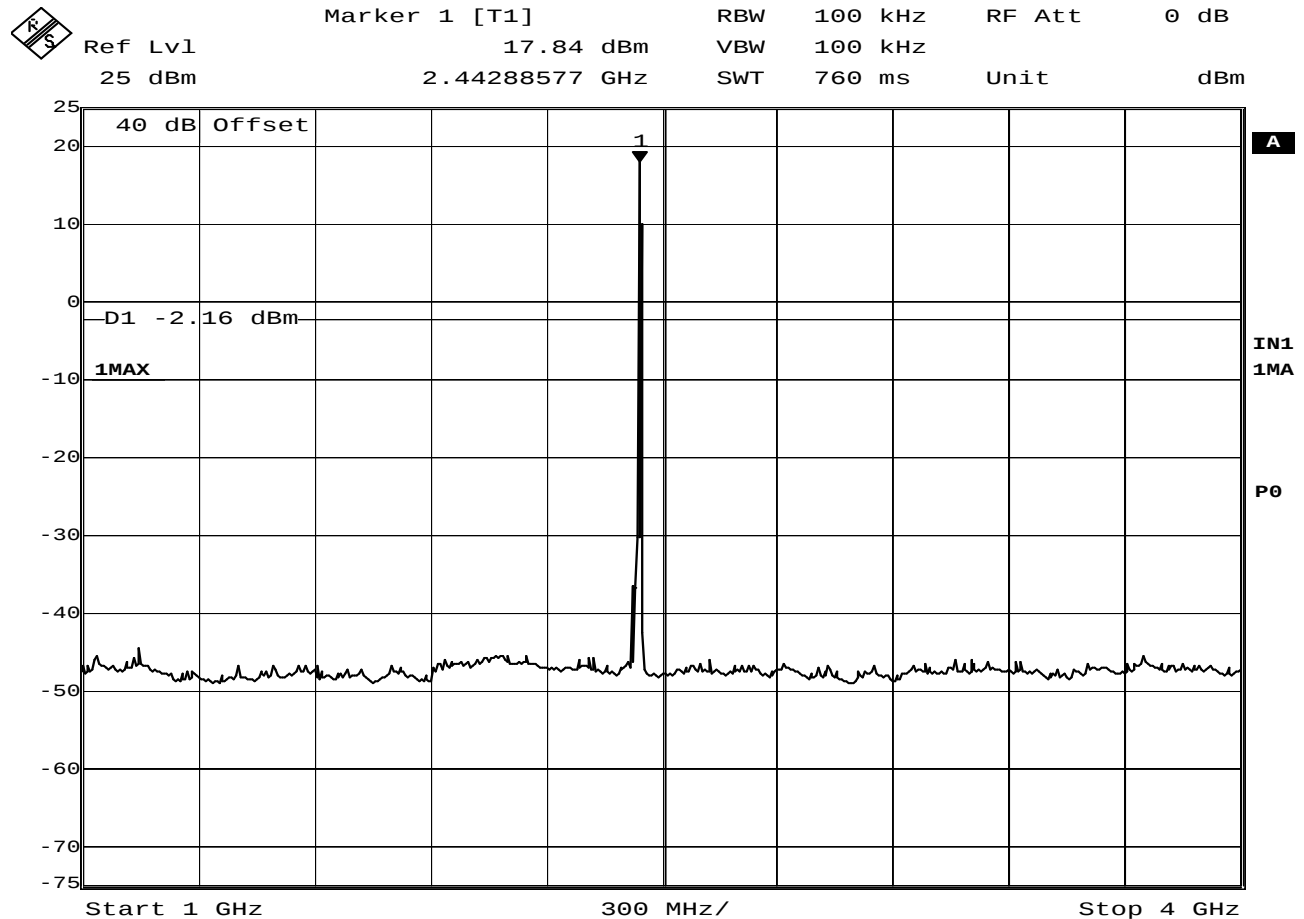
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 803 Filter  
SERIAL NUMBER : 1085  
TEST MODE : Tx @ 2425MHz (ch. 15)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 13:17:00

### 15.247(d) Spurious Emissions at Antenna Terminal

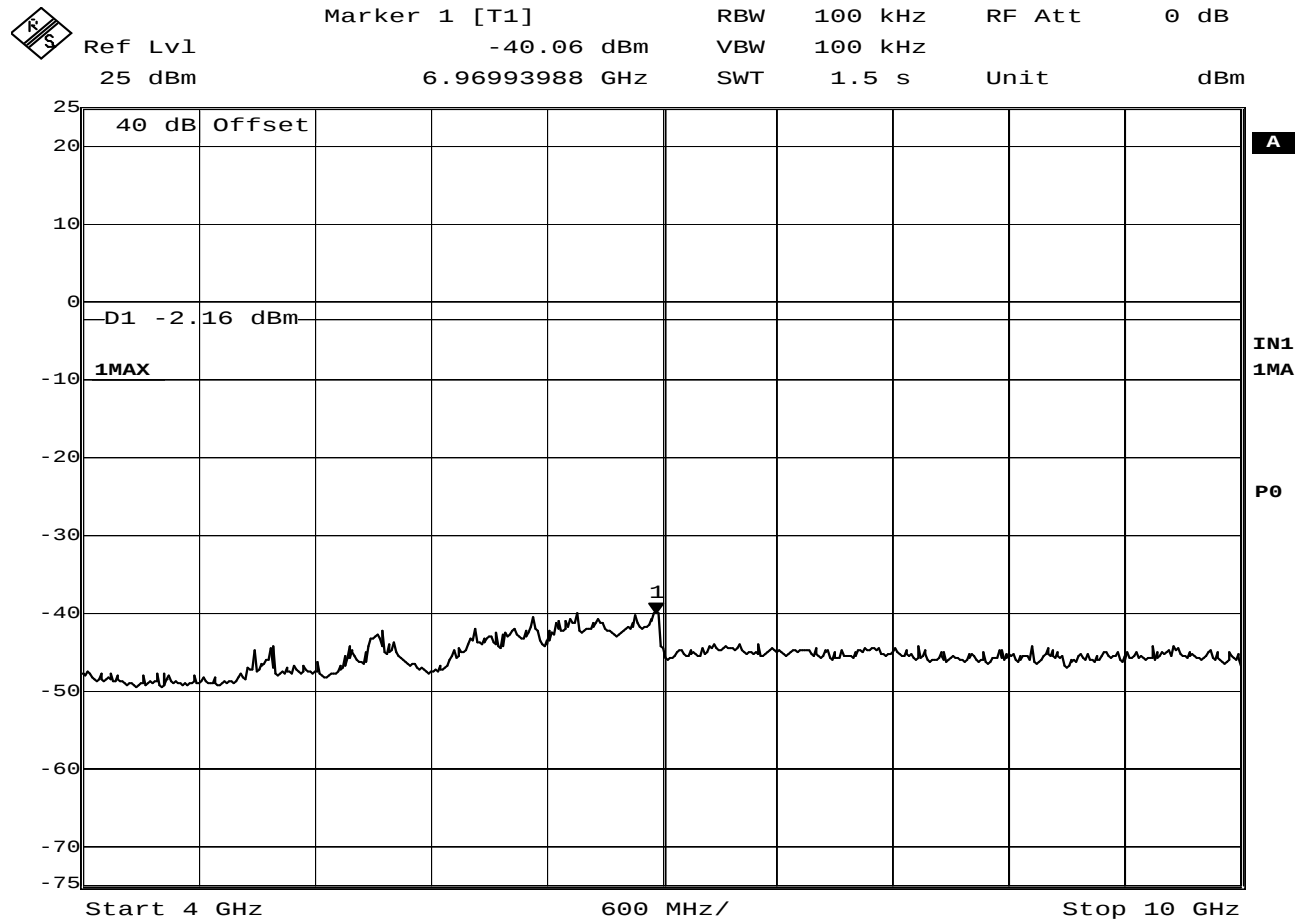
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 806 Filter  
SERIAL NUMBER : 1087  
TEST MODE : Tx @ 2445MHz (ch. 19)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 13:08:52

**15.247(d) Spurious Emissions at Antenna Terminal**

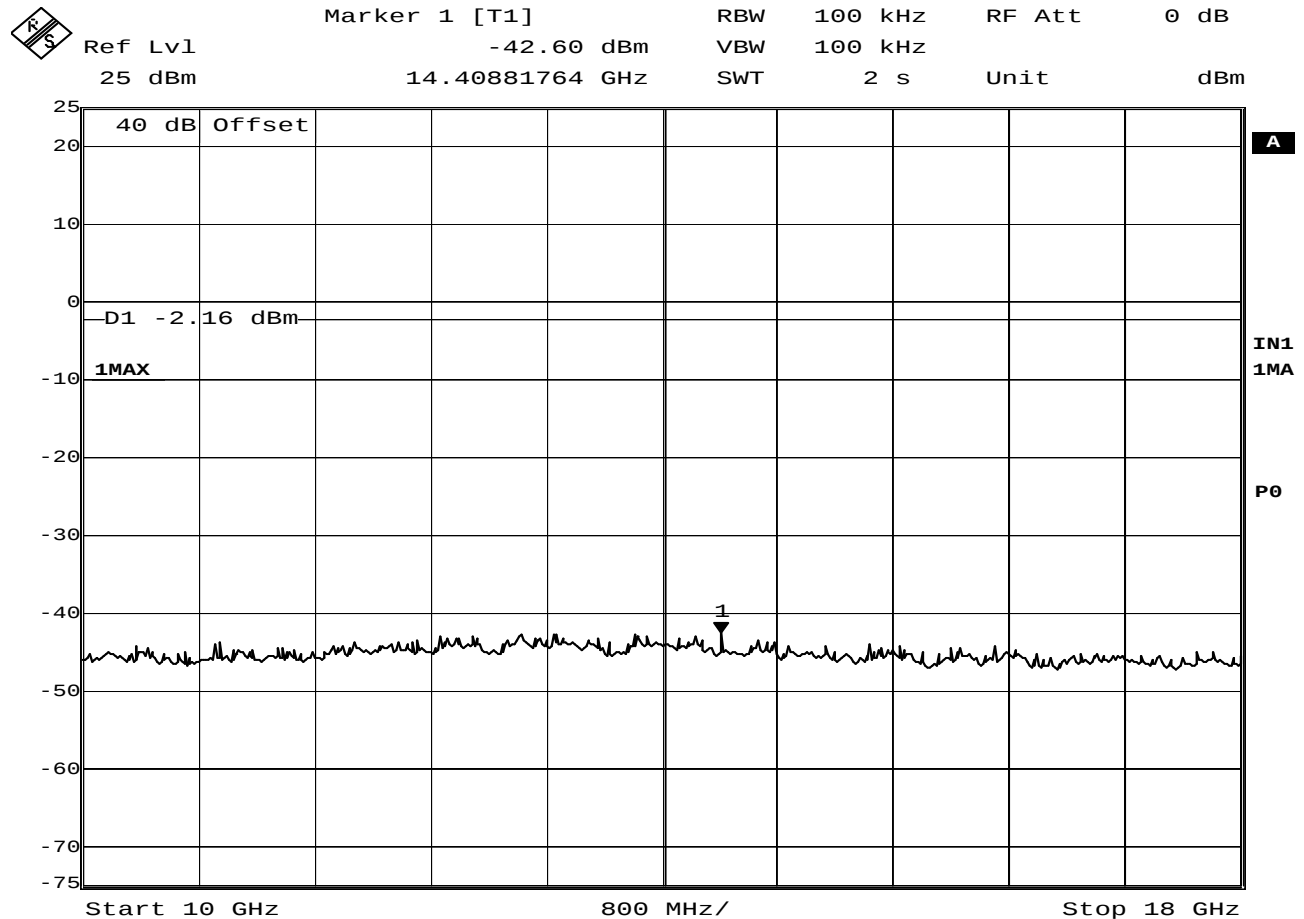
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 806 Filter  
SERIAL NUMBER : 1087  
TEST MODE : Tx @ 2445MHz (ch. 19)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 13:12:28

**15.247(d) Spurious Emissions at Antenna Terminal**

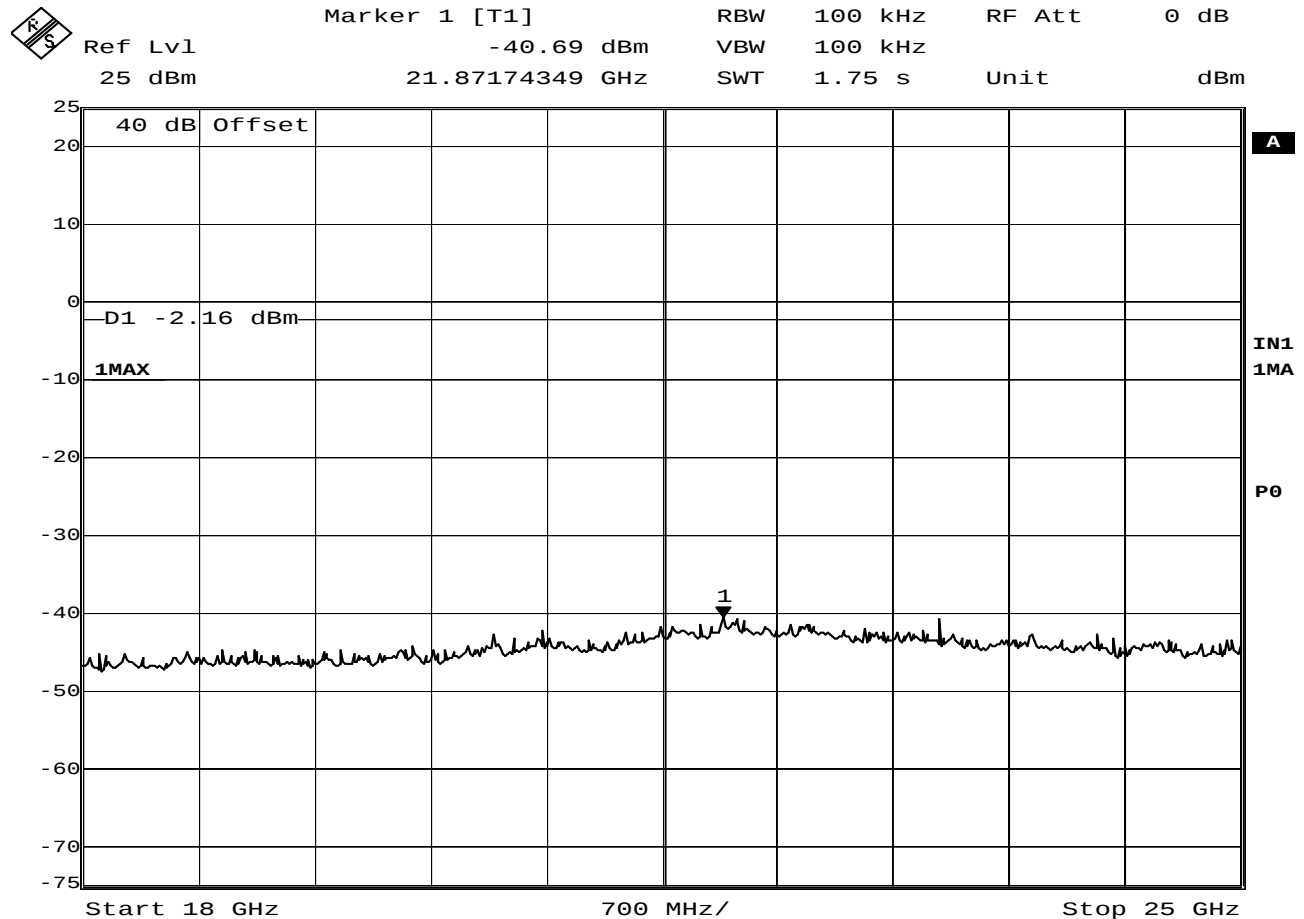
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 806 Filter  
SERIAL NUMBER : 1087  
TEST MODE : Tx @ 2445MHz (ch. 19)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4



Date: 15.JUL.2010 13:14:20

**15.247(d) Spurious Emissions at Antenna Terminal**

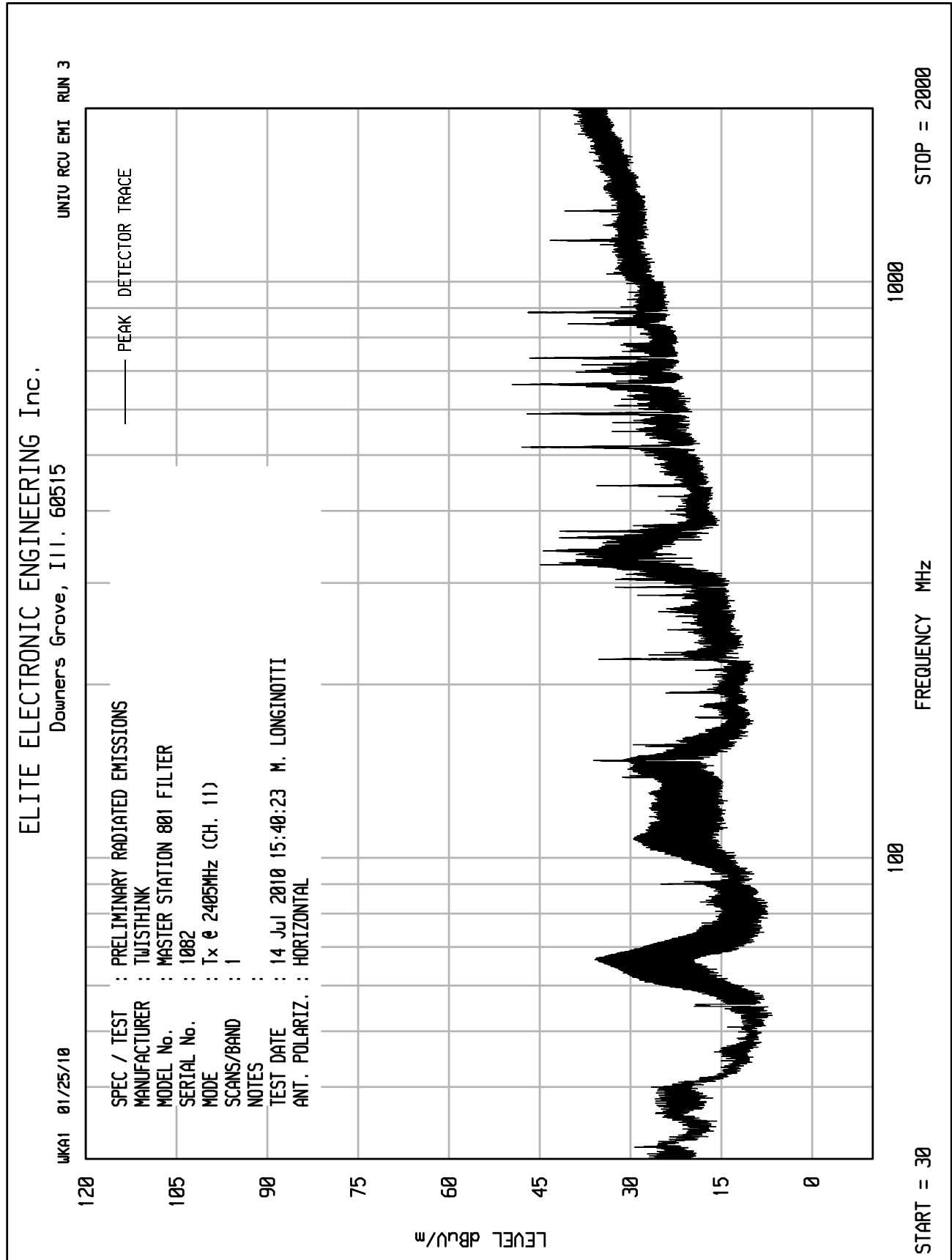
MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 806 Filter  
SERIAL NUMBER : 1087  
TEST MODE : Tx @ 2445MHz (ch. 19)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4

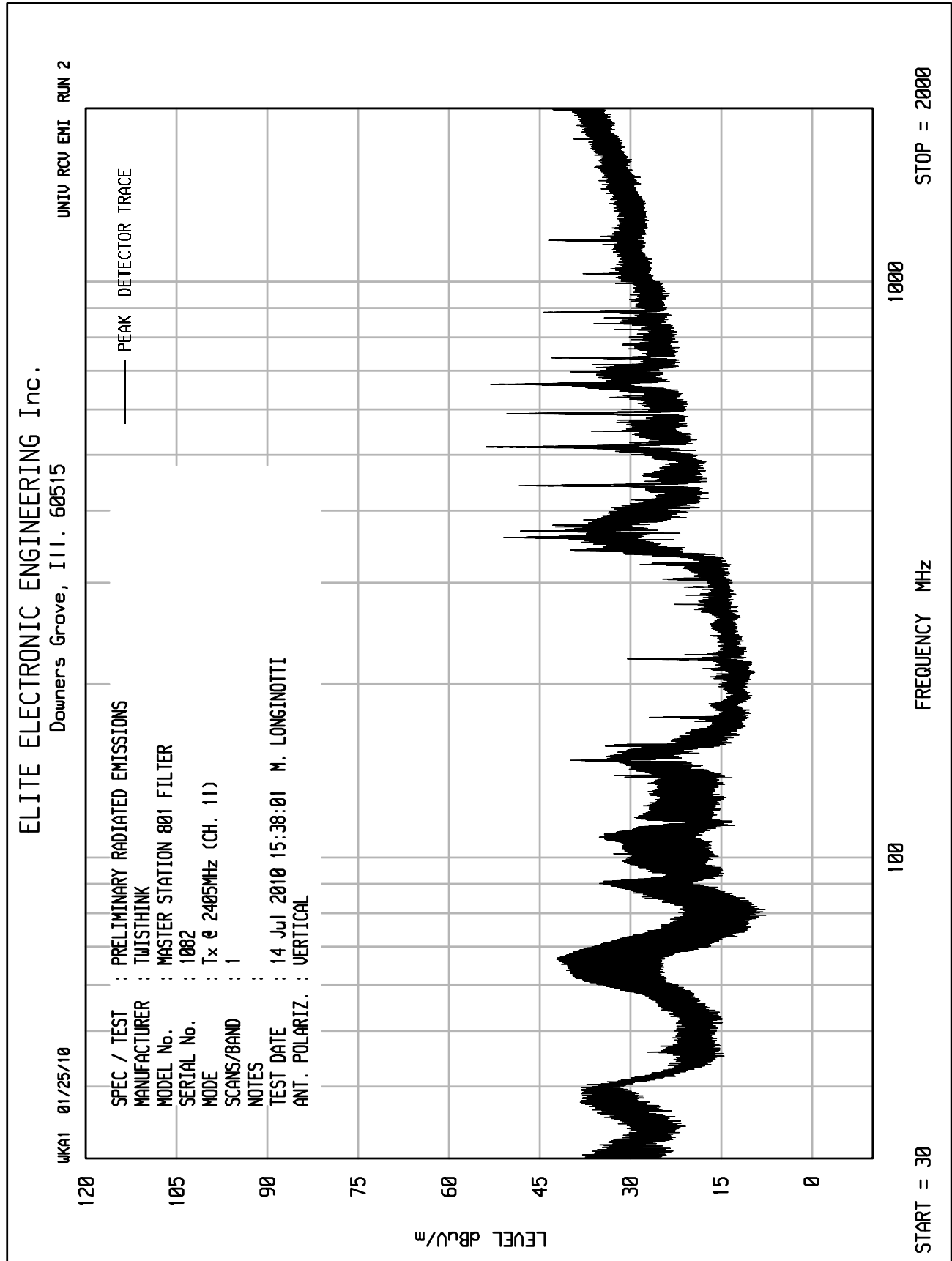


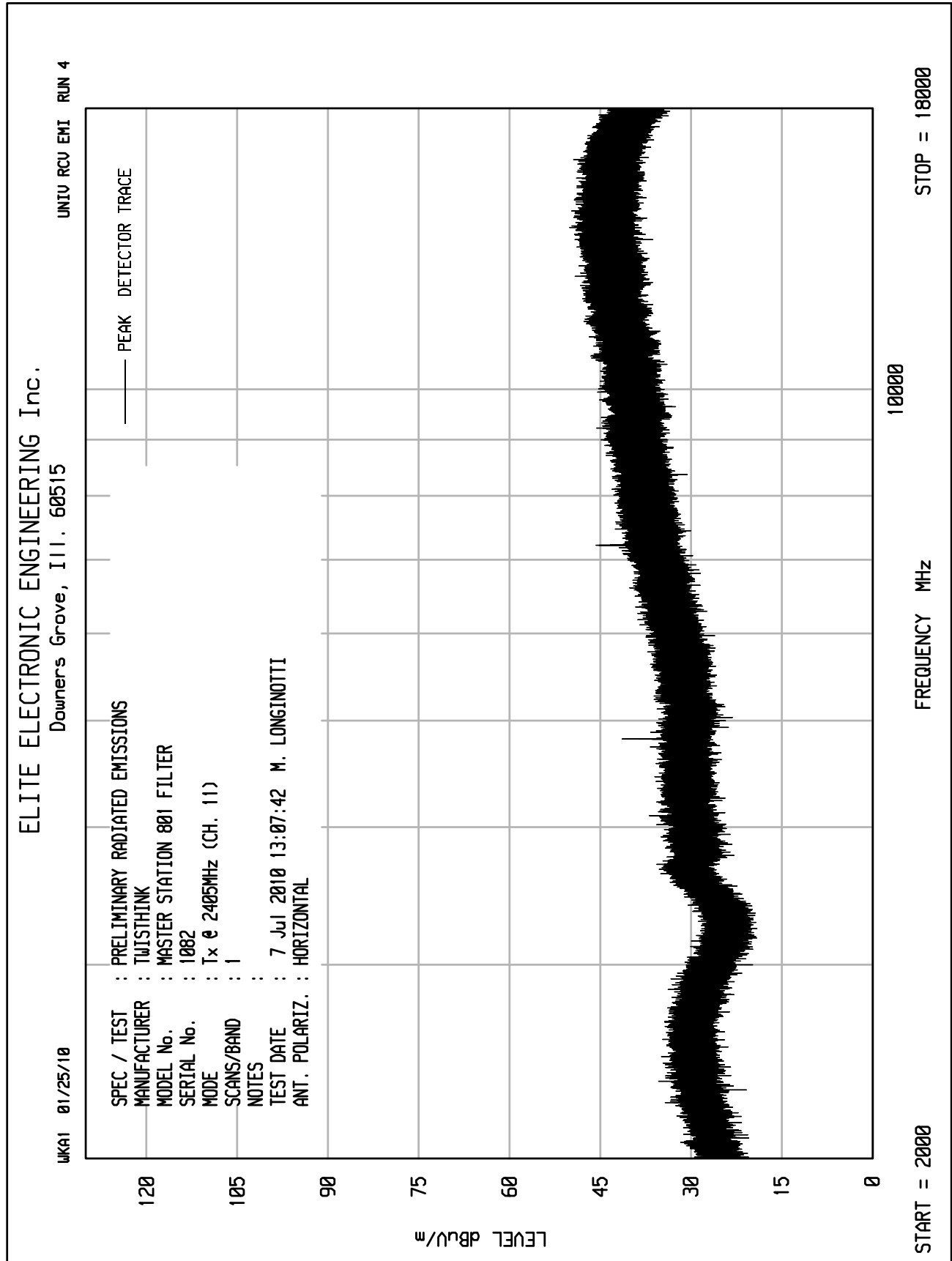
Date: 15.JUL.2010 13:15:46

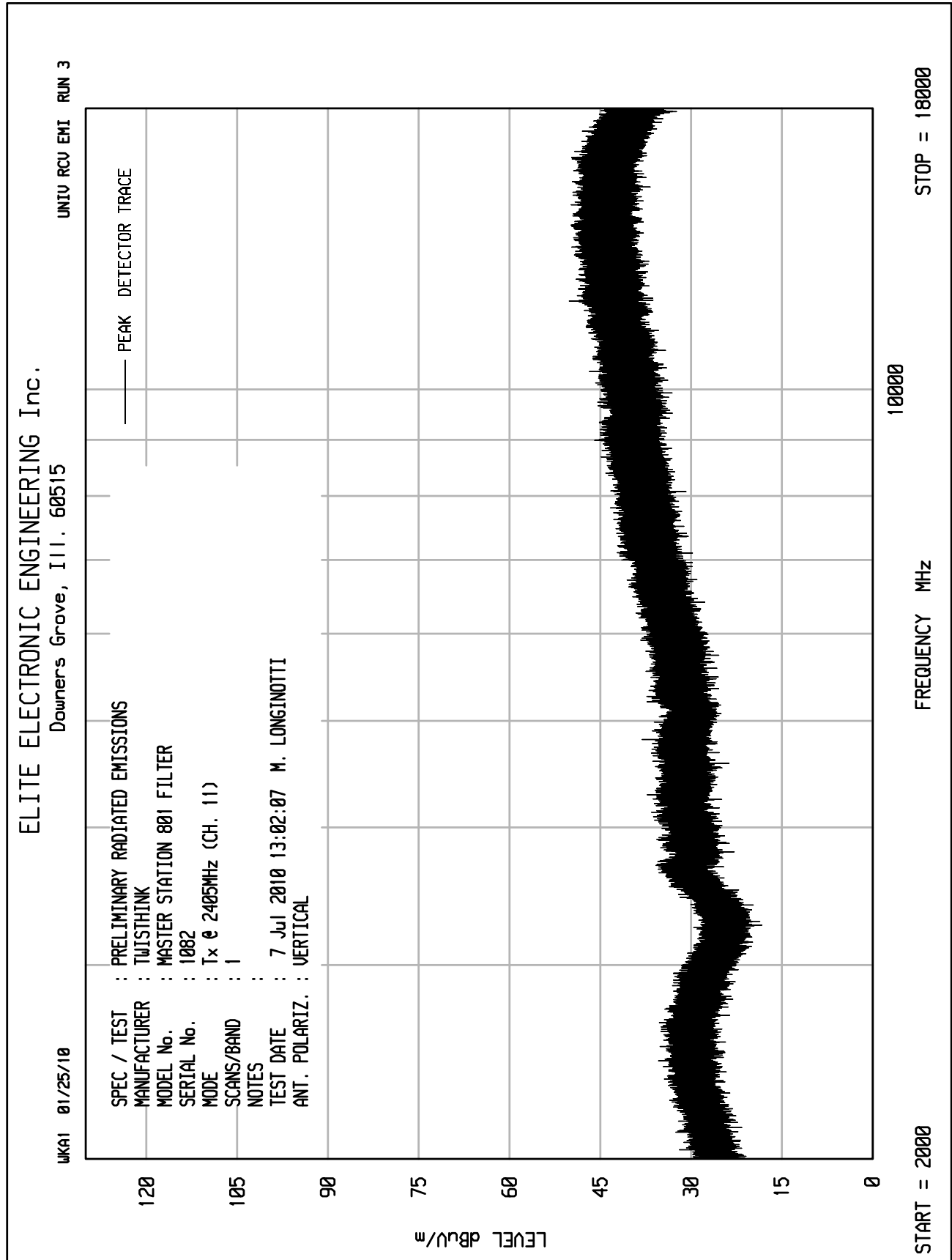
**15.247(d) Spurious Emissions at Antenna Terminal**

MANUFACTURER : Twisthink  
MODEL NUMBER : Master Station 806 Filter  
SERIAL NUMBER : 1087  
TEST MODE : Tx @ 2445MHz (ch. 19)  
TEST DATE : July 15, 2010  
TEST PARAMETERS : Spurious Emissions at Antenna Terminal  
NOTES : Display Line D1 represents the 20dB down point from the peak of the transmit frequency in a 100kHz bandwidth  
EQUIPMENT USED : RBB0, TVH4











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