

Direct Sequence Bandwidth

FCC Part 15.247(a)(2)

Of Direct Sequence Spread Spectrum System

UNIDEN America Corporation
Cordless Phone
TRU5885(xx)/UC789BH

Section b

APREL Project No.: UESB-TRU5885-cordless phone-3907

Test: Direct Sequence Bandwidth

Reference: FCC Part 15.247(a)(2)

Criteria: 6 dB bandwidth shall be at least 500KHz(0.5MHz).

Condition: Radiated Test

Set-up: See Figure: Test Set-up

Equipment: See Appendix A.

Methodology: 6 dB bandwidth was measured in accordance with the above noted paragraphs of the F.C.C. Rules and Regulations. The test was performed in the radiated mode as shown in the set-up diagram, while the DUI was operating in transmission mode at the appropriate center frequency. The spectrum analyzer settings were adjusted as follows:

| | |
|--------------------|----------------------|
| Resolution BW: | 100 KHz |
| Video BW: | 300 KHz |
| Span: | 5.0 MHz |
| Reference Level: | -17.10 dBm (Base) |
| | -10.00 dBm (Handset) |
| Sweep Time: | 200 ms |
| Attenuator: | 10 dB |
| Detector Function: | Peak |

Test Results: Test Data is tabulated in Tables b1 and b2. Plots are also attached.

Conclusion: The unit complies with requirements.

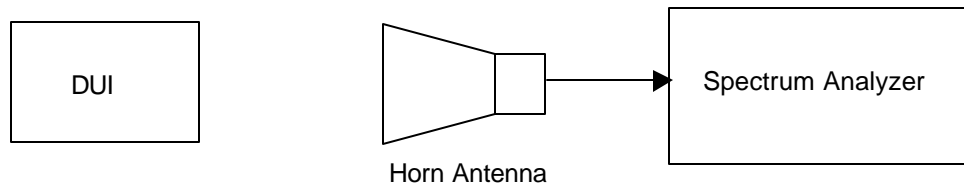


Figure: Test Set-up

Table b1 Measurement Results (Base)

| Channel | Center Freq (MHz) | Lower Freq (MHz) | Upper Freq (MHz) | 6dB Bandwidth (MHz) | Pass/Fail |
|---------|-------------------|------------------|------------------|---------------------|-----------|
| 1 | 5742.98 | 5742.14 | 5743.74 | 1.60 | Pass |
| 10 | 5767.28 | 5766.50 | 5767.99 | 1.49 | Pass |
| 18 | 5788.88 | 5788.07 | 5789.57 | 1.50 | Pass |
| 27 | 5813.18 | 5812.41 | 5813.94 | 1.53 | Pass |
| 35 | 5834.78 | 5834.03 | 5835.58 | 1.55 | Pass |

Table b2 Measurement Results (Handset)

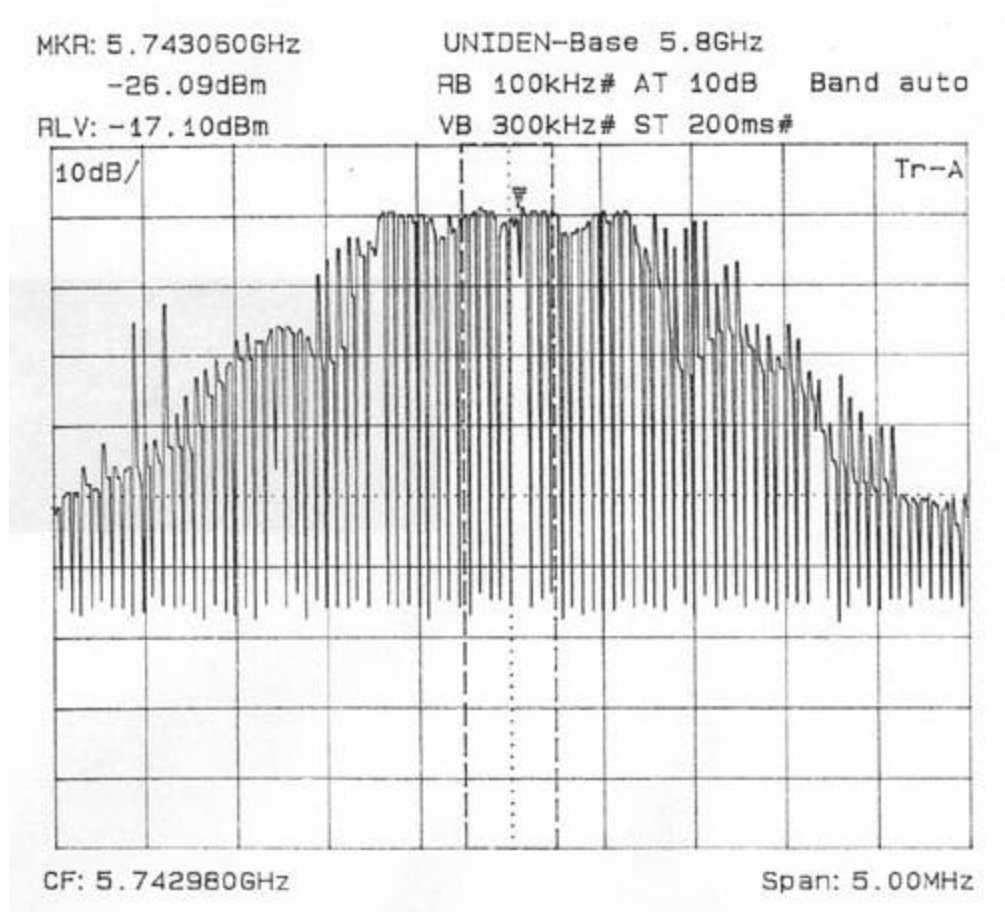
| Channel | Center Freq (MHz) | Lower Freq (MHz) | Upper Freq (MHz) | 6dB Bandwidth (MHz) | Pass/Fail |
|---------|-------------------|------------------|------------------|---------------------|-----------|
| 1 | 5742.98 | 5742.29 | 5743.69 | 1.40 | Pass |
| 10 | 5767.28 | 5766.57 | 5768.01 | 1.44 | Pass |
| 18 | 5788.88 | 5788.16 | 5789.57 | 1.41 | Pass |
| 27 | 5813.18 | 5812.51 | 5813.89 | 1.38 | Pass |
| 35 | 5834.78 | 5834.06 | 5835.51 | 1.45 | Pass |

Tested by:

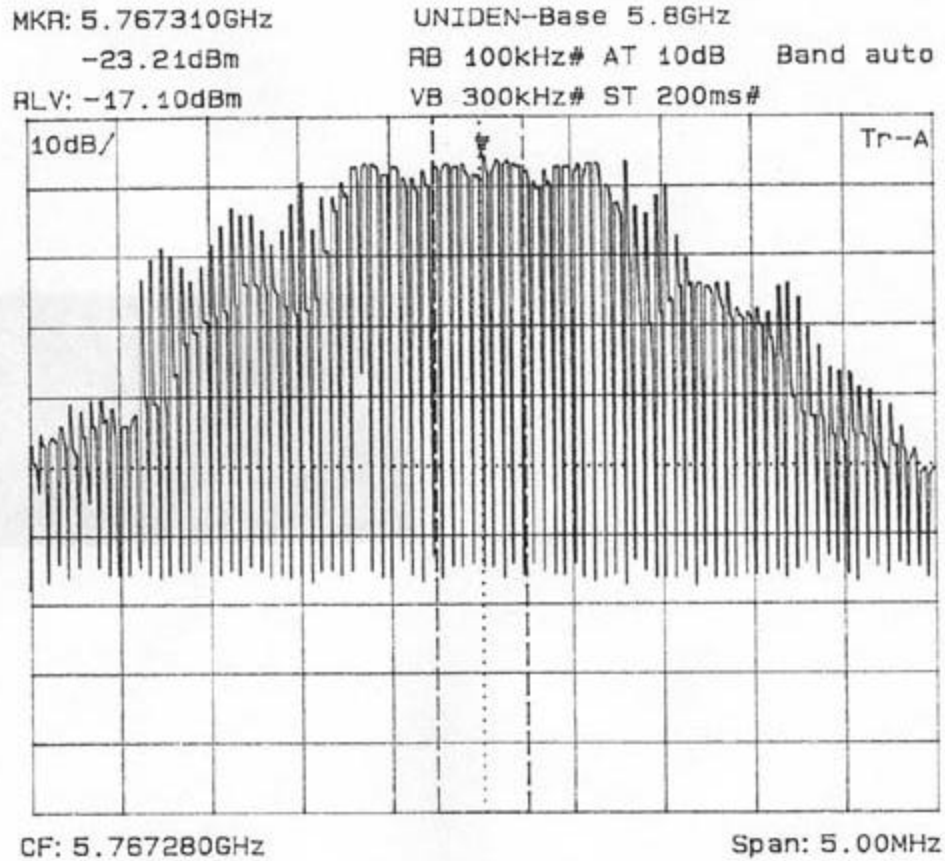
Yingshi Chen

Date:

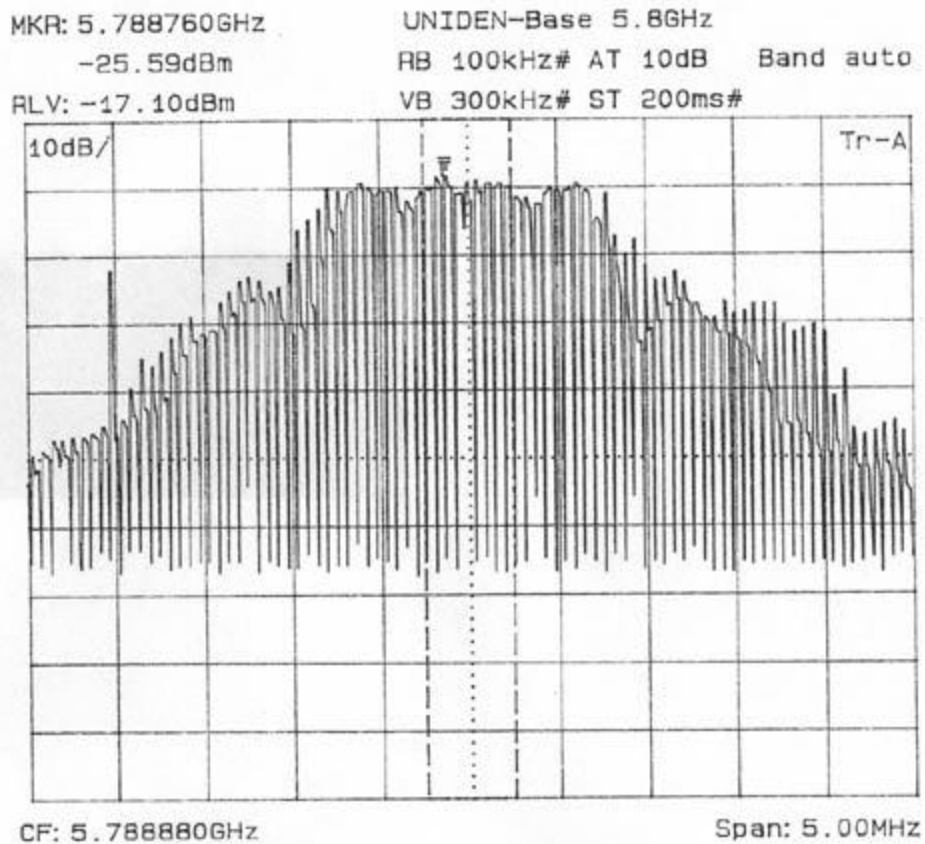
June, 2002



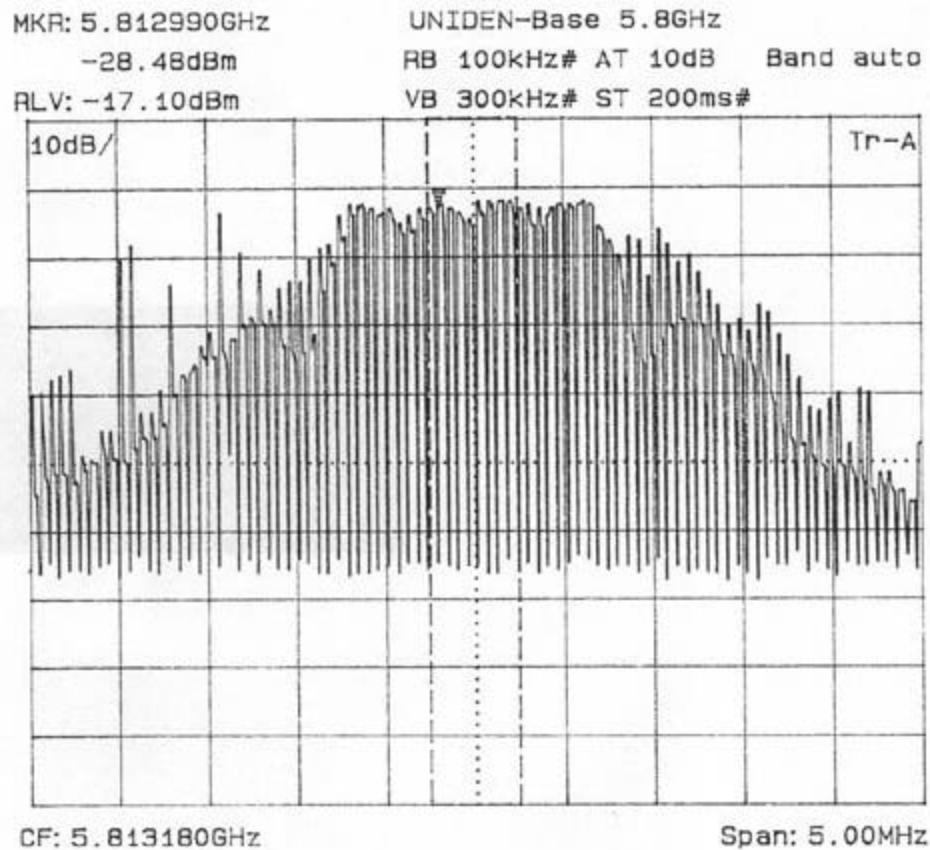
Uniden Base
Direct Sequence Bandwidth
Center Frequency: 5742.98MHz



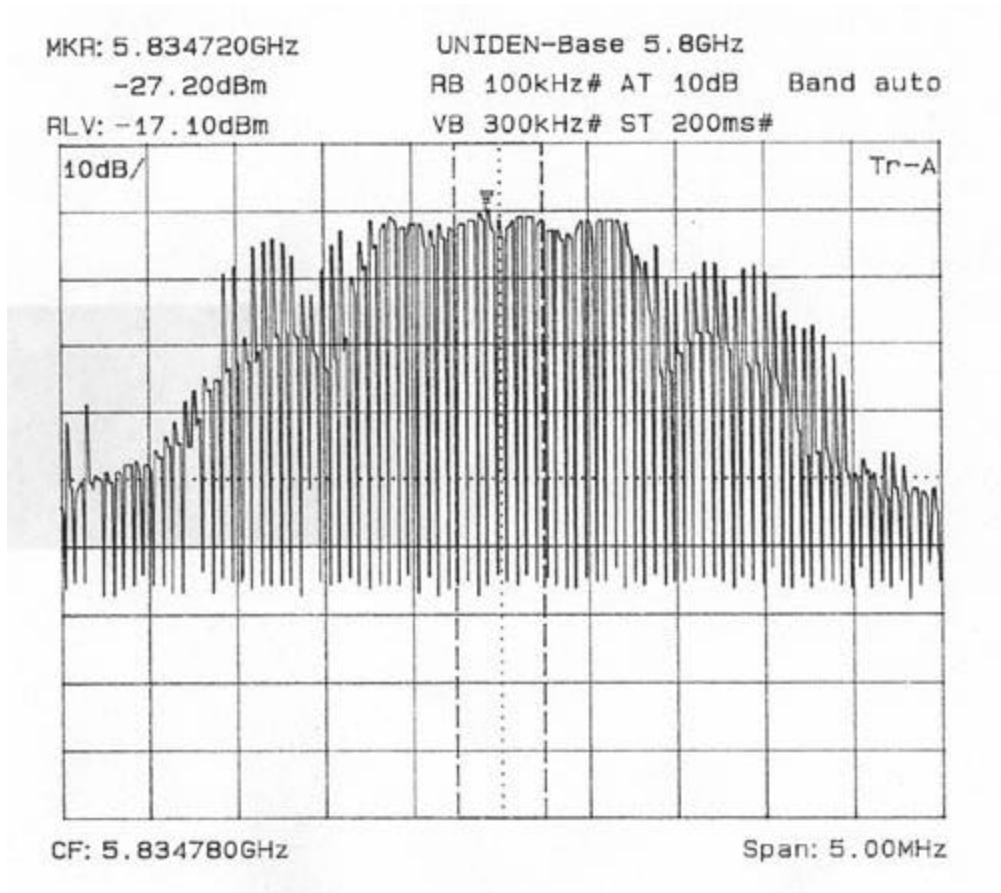
Uniden Base
 Direct Sequence Bandwidth
 Center Frequency: 5767.28MHz



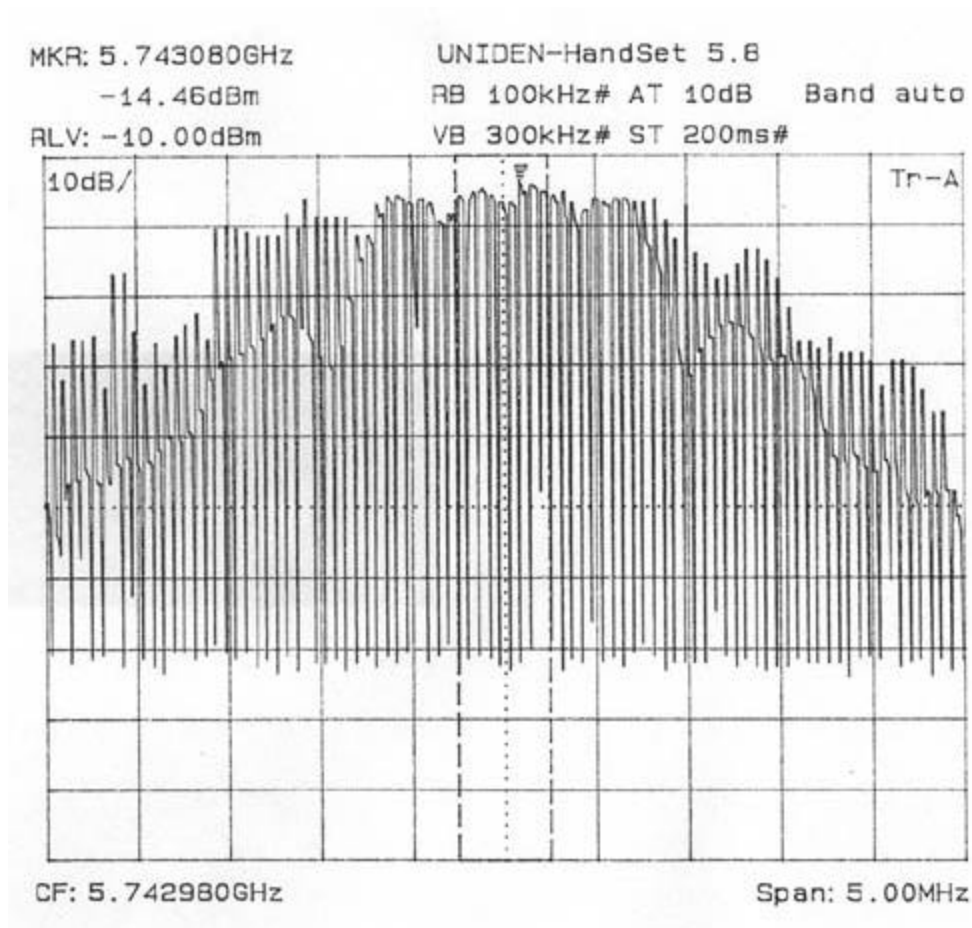
Uniden Base
Direct Sequence Bandwidth
Center Frequency: 5788.88MHz



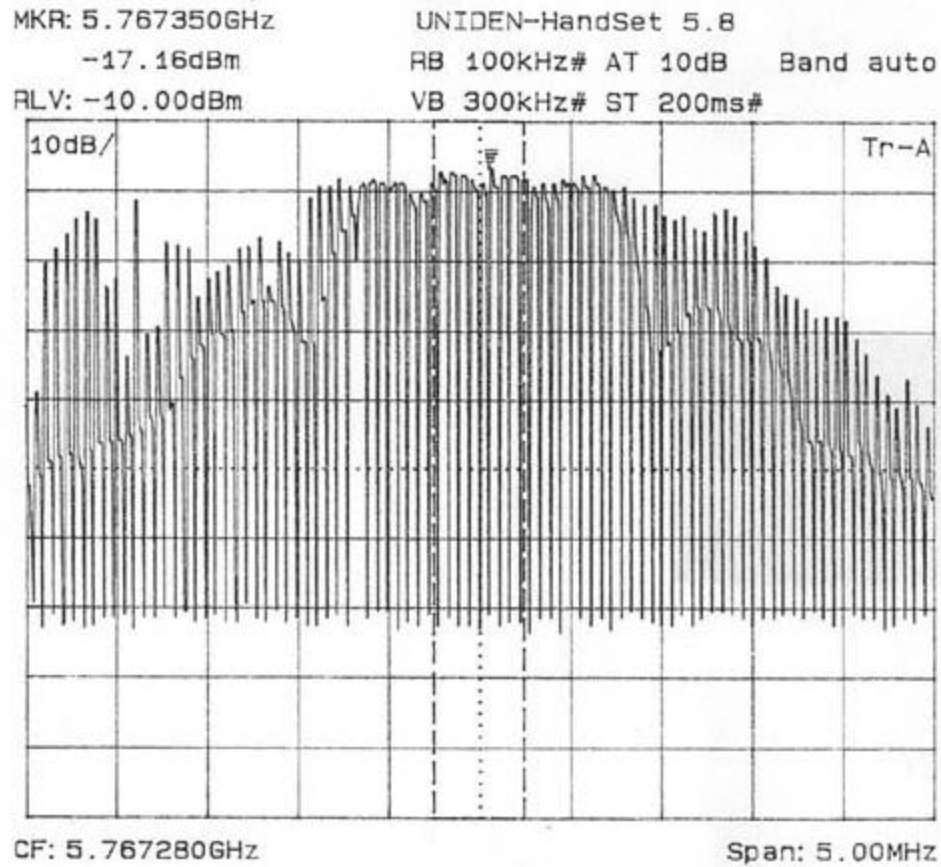
Uniden Base
Direct Sequence Bandwidth
Center Frequency: 5813.18MHz



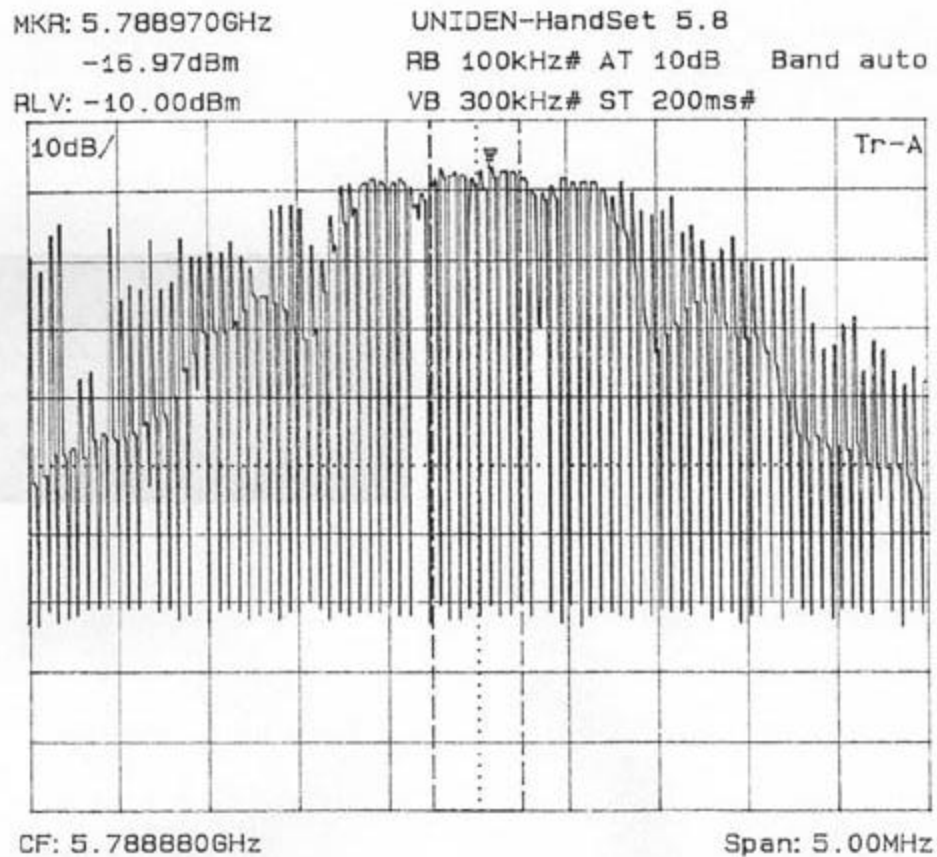
Uniden Base
 Direct Sequence Bandwidth
 Center Frequency: 5834.78MHz



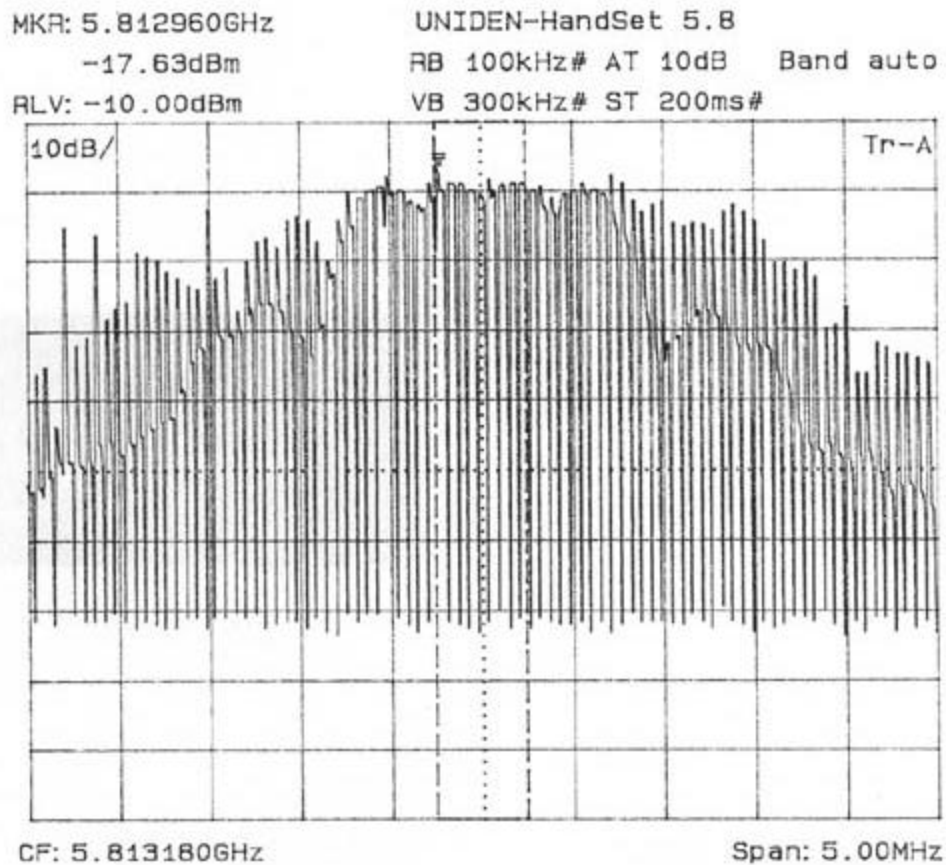
Uniden Handset
Direct Sequence Bandwidth
Center Frequency: 5742.98MHz



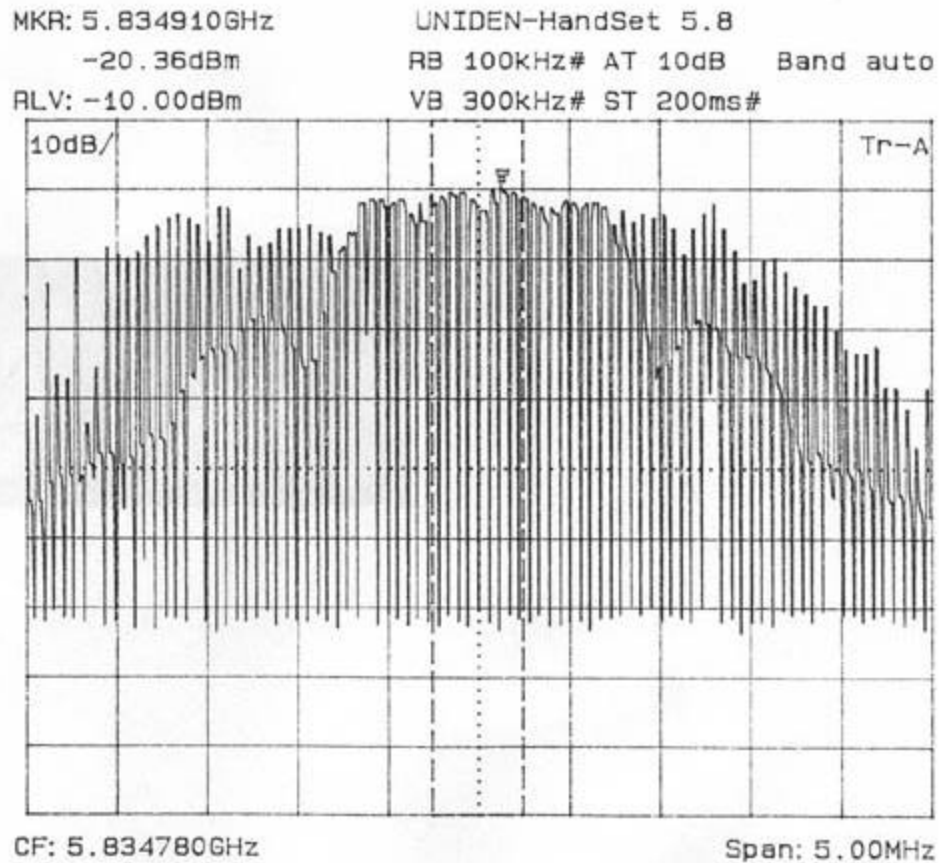
Uniden Handset
Direct Sequence Bandwidth
Center Frequency: 5767.28MHz



Uniden Handset
Direct Sequence Bandwidth
Center Frequency: 5788.88MHz



Uniden Handset
Direct Sequence Bandwidth
Center Frequency: 5813.18MHz



Uniden Handset
Direct Sequence Bandwidth
Center Frequency: 5834.78MHz

Pictures of Test Set-up



**Test Set-up for Direct Sequence Bandwidth Measurement
(Uniden Base)**



**Test Set-up for Direct Sequence Bandwidth Measurement
(Uniden Handset)**