

UNCLASSIFIED	
SECURITY SUMMARY & SPECIAL HANDLING REQUIREMENTS	
<p>The title of this application is : ALCATEL- LUCENT MDR-8000 7/8 GHZ DIGITAL RADIOS</p> <p>The overall classification of this application is : UNCLASSIFIED</p>	
<p>Refer to your Security Manual for further guidance.</p>	
<p>The Application Level Special Handling is : A</p> <p>Approved for public release; distribution is unlimited (DoD Directive 5230.24)</p>	
DOWNGRADING INSTRUCTIONS	J/F 12/10507
	CLASSIFICATION UNCLASSIFIED
Special Handling Instruction : A	

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Frequencies

(U) 7125.000 MHz - 8500.000 MHz

System Name : (U) Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios(Nomenclature)

Coord.ID/JF12 Num. : J/F 12/10507
Stage : (U) 4 - Operational
Agency : (U) AF - Department of the Air Force
NTIA Certified : (U) No
Date Of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 12/19/2012 12:03:22 PM (GMT)
Overall Security : Unclassified

System Description

(U) Continuous; Digital transfer

Geographic Areas for Stage 4

(U) US&P (U) Polygon

Predefined Trunking? : (U) No

Control Numbers

SPS- 19149/1

Certification of Spectrum Support InformationAttachments

File Name : (U) cover letter.pdf
File Name : (U) DA12-W71A,+010705.pdf
Date of the Attachment : 11/9/2012
File Name : (U) DA4-71B,+920301.pdf
Date of the Attachment : 11/9/2012
File Name : (U) DA6-W71B,+010702.pdf
Date of the Attachment : 11/9/2012
File Name : (U) DA8-71A,+961238.pdf
Date of the Attachment : 11/9/2012
File Name : (U) DA8-W71A,+010703.pdf
Date of the Attachment : 11/9/2012
File Name : (U) MDR-8000 Minimum Frequency Separation.doc
Date of the Attachment : 10/24/2012
File Name : (U) RPE_1271G.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_1273G.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_1275I.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2699E.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2700E.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2704D.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2747F.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2748H.pdf

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Date of the Attachment : 11/9/2012
File Name : (U) RPE_2760G.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2770E.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2770E.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2772E.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2774F.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2800F.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2818B.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2820A.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2821.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2822A.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2858D.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2866.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_2868H.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3703E.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3710F.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3716G.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3718D.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3721G.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3763H.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3765G.pdf
Date of the Attachment : 11/9/2012
File Name : (U) RPE_3767H.pdf
Date of the Attachment : 11/9/2012

Recommending Official : Stephen J. Butcher
Title : Chairman Spectrum Planning Subcommittee
Certifying Official : Edward M. Davison
Title : Deputy Associate Administrator

NSEP Use : (U) Yes
ITU Waiver : (U) No
Estimated Initial Cost of the System : (U) \$ 800000

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Information Transfer Requirement

(U) 155.5 Mbps

System Essentiality

(U) Provide transmission path for MULTIPLE Locations

Replacement Information

(U) NA

Stations**Station Name** : (U) MDR 8000**Transmitters**

(U) MDR-8708S-155
(U) MDR-8608-45
(U) MDR-8508E-12
(U) MDR-8508E-24
(U) MDR-8708E-50
(U) MDR-8708E-150
(U) MDR-8508E-8
(U) MDR-8708E-24
(U) MDR-8708E-12
(U) MDR-8608-135
(U) MDR-8508-8
(U) MDR-8508-16

Receivers

(U) MDR-8708S-155
(U) MDR-8508E-8
(U) MDR-8508E-12
(U) MDR-8508E-24
(U) MDR-8608-45
(U) MDR-8608-135
(U) MDR-8708E-12
(U) MDR-8708E-24
(U) MDR-8708E-50
(U) MDR-8708E-150
(U) MDR-8508-8
(U) MDR-8508-16

Antennas

(U) DA8-71A
(U) DA12-W71A
(U) DA6-W71B
(U) HP4-71
(U) HP6-71
(U) HP8-71
(U) HP10-71
(U) HP12-71
(U) HP6-71W
(U) HP8-71W
(U) HP10-71W
(U) HP12-71W
(U) HP4-77
(U) HP6-77
(U) HP8-77
(U) HP10-77

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

(U) HP12-77
 (U) PL4-71
 (U) PL6-71
 (U) PL8-71
 (U) PL10-71
 (U) PL12-71
 (U) PL6-71W
 (U) PL8-71W
 (U) PL10-71W
 (U) PL12-71W
 (U) PL4-77
 (U) PL6-77
 (U) PL8-77
 (U) PL10-77
 (U) PL12-77
 (U) PL4-71W
 (U) DA8-W71A
 (U) PA4-71
 (U) PA8-71
 (U) DA4-71B

Station Name : (U) Land - Generic

Selected Modes**Link****Transmitting Station**

(U) MDR 8000

Radio Service : Fixed
Station Classes : FX

Receiving Station

(U) Land - Generic

Equipment Combination

Transmitter : (U) MDR-8508-16
Tx Antenna : (U) DA8-71A
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 7M00D7W
 (U) 7M00D7W
 (U) 7M00D7W
 (U) 7M00D7W
 (U) 7M00D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8508-8
Tx Antenna : (U) DA8-71A
Receiver : Generic
Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8508E-12

Tx Antenna : (U) DA8-71A

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 3M75D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8508E-24

Tx Antenna : (U) DA8-71A

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 7M50D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 7M50D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 7M50D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 7M50D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 7M50D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8508E-8

Tx Antenna : (U) DA8-71A

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 2M50D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 2M50D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 2M50D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 2M50D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 2M50D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8608-135

Tx Antenna : (U) DA8-71A

Receiver : Generic

Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8608-45
Tx Antenna : (U) DA8-71A
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 10M0D7W
 (U) 10M0D7W
 (U) 10M0D7W
 (U) 10M0D7W
 (U) 10M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708E-12
Tx Antenna : (U) DA8-71A
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 2M50D7W
 (U) 2M50D7W
 (U) 2M50D7W
 (U) 2M50D7W
 (U) 2M50D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708E-150
Tx Antenna : (U) DA8-71A
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708E-24
Tx Antenna : (U) DA8-71A
Receiver : Generic
Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 5M00D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 5M00D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 5M00D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 5M00D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 5M00D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8708E-50

Tx Antenna : (U) DA8-71A

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 10M0D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 10M0D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 10M0D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 10M0D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 10M0D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155

Tx Antenna : (U) DA12-W71A

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155

Tx Antenna : (U) DA6-W71B

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155

Tx Antenna : (U) DA8-71A

Receiver : Generic

Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
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 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP10-71
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
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 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
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 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP10-71W
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
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 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
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 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP10-77
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
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 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
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 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
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 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP12-71
 Receiver : Generic
 Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
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 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) HP12-71W
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
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Power

(U) 1.58 W Mean
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 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) HP12-77
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
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Em. Des

(U) 30M0D7W
 (U) 30M0D7W
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 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
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 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
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 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) HP4-71
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
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 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) HP4-77
Receiver : Generic
Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP6-71
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP6-71W
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP6-77
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) HP8-71
 Receiver : Generic
 Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) HP8-77
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) PL10-71
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) PL10-77
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
Tx Antenna : (U) PL12-71
Receiver : Generic
Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected ModesFrequency

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL12-71W
 Receiver : Generic
 Rx Antenna : Generic

Selected ModesFrequency

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL12-77
 Receiver : Generic
 Rx Antenna : Generic

Selected ModesFrequency

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL4-71
 Receiver : Generic
 Rx Antenna : Generic

Selected ModesFrequency

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL4-77
 Receiver : Generic
 Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL6-71
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL6-71W
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL6-77
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes**Frequency**

(U) 7125.000 MHz - 7250.000 MHz
 (U) 7250.000 MHz - 7300.000 MHz
 (U) 7300.000 MHz - 7900.000 MHz
 (U) 7900.000 MHz - 8025.000 MHz
 (U) 8025.000 MHz - 8500.000 MHz

Em. Des

(U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W
 (U) 30M0D7W

Power

(U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean
 (U) 1.58 W Mean

Notes

PRI
 SEC
 PRI
 SEC
 PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155
 Tx Antenna : (U) PL8-71
 Receiver : Generic
 Rx Antenna : Generic

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155

Tx Antenna : (U) PL8-71W

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

Equipment Combination

Transmitter : (U) MDR-8708S-155

Tx Antenna : (U) PL8-77

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 7125.000 MHz - 7250.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7250.000 MHz - 7300.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 7300.000 MHz - 7900.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

(U) 7900.000 MHz - 8025.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

SEC

(U) 8025.000 MHz - 8500.000 MHz

(U) 30M0D7W

(U) 1.58 W Mean

PRI

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

TRANSMITTER MDR-8508-16

Nomenclature : (U) MDR-8508-16
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508-16
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/24/2012 5:08:03 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 1 - 2nd Harmonic Curve (U)

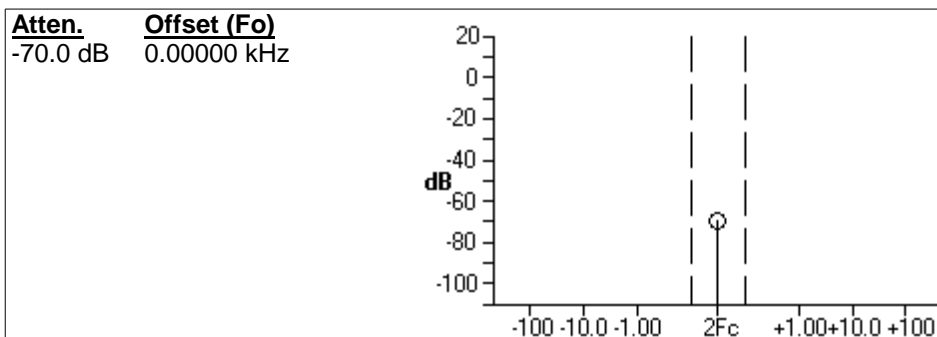
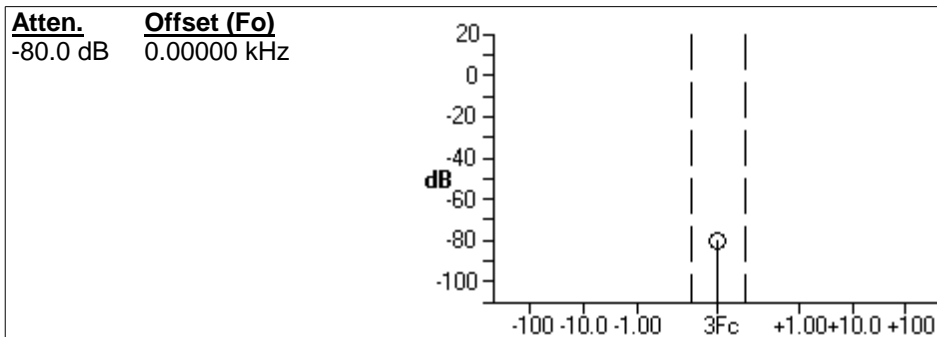


Figure 2 - 3rd Harmonic Curve (U)



FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 3 - Other Harmonic Curve (U)

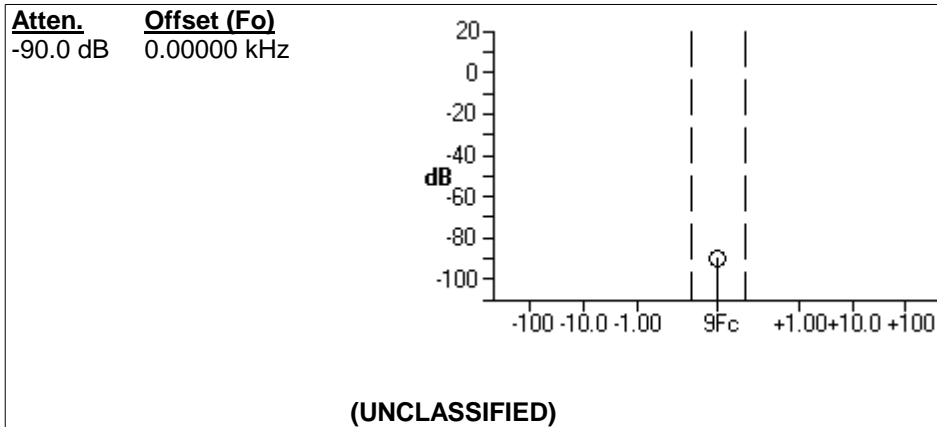
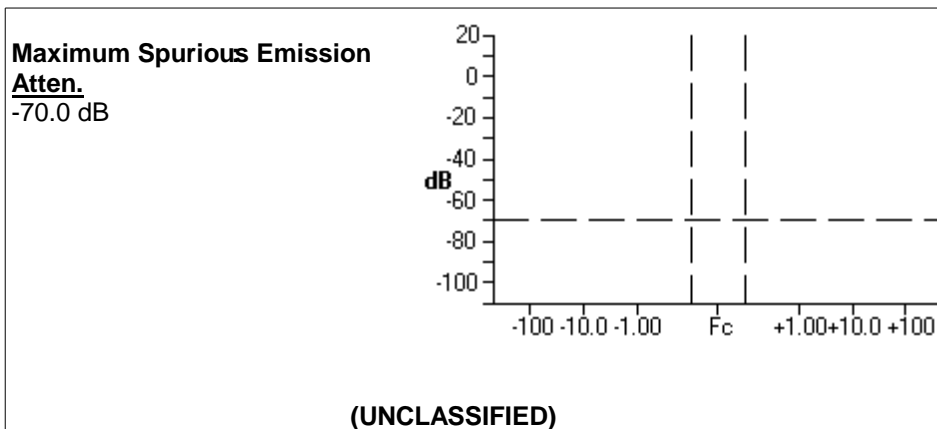


Figure 4 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 1
 Min. Separation : (U) 100.0000 MHz
 Em. Designator : (U) 7M00D7W
 Necessary BW : (U) 7000.0 kHz

Modulation - 7M00D7W

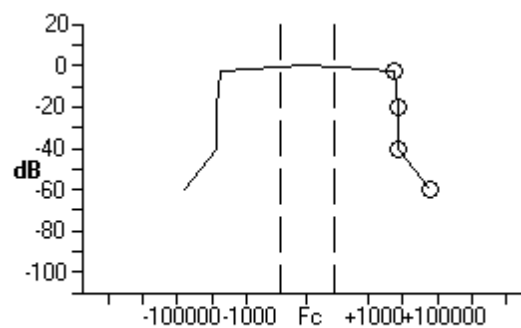
Occupied Bandwidth : (U) 7000.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 24960000 bps

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 5 - Fundamental Curve (U)

Meas/Calc : Measured
Level Offset (Fo)

-3.00 dB	5700.0 kHz
-20.0 dB	7100.0 kHz
-40.0 dB	7600.0 kHz
-60.0 dB	59000 kHz



(UNCLASSIFIED)

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

TRANSMITTER MDR-8508-8

Nomenclature : (U) MDR-8508-8
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508-8
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/24/2012 5:04:24 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No
Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 6 - 2nd Harmonic Curve (U)

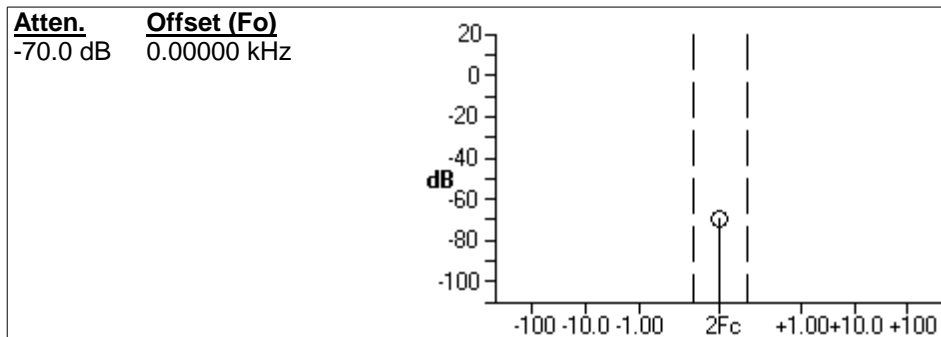
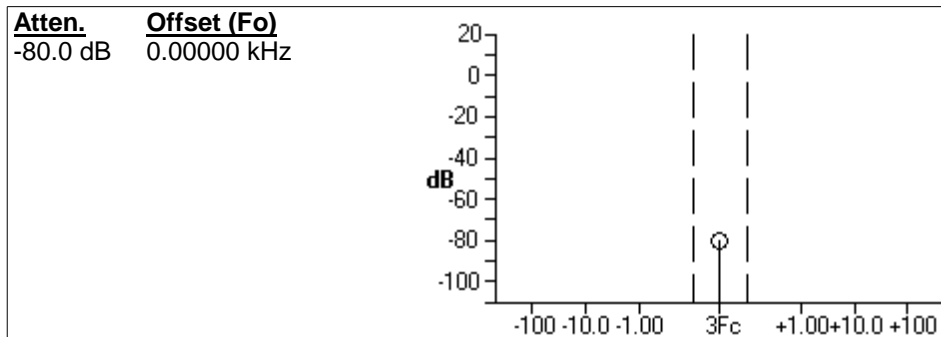


Figure 7 - 3rd Harmonic Curve (U)



FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 8 - Other Harmonic Curve (U)

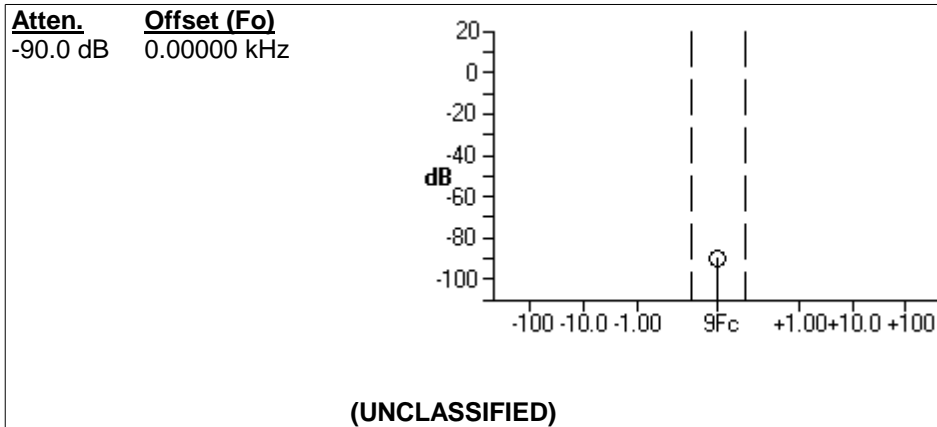
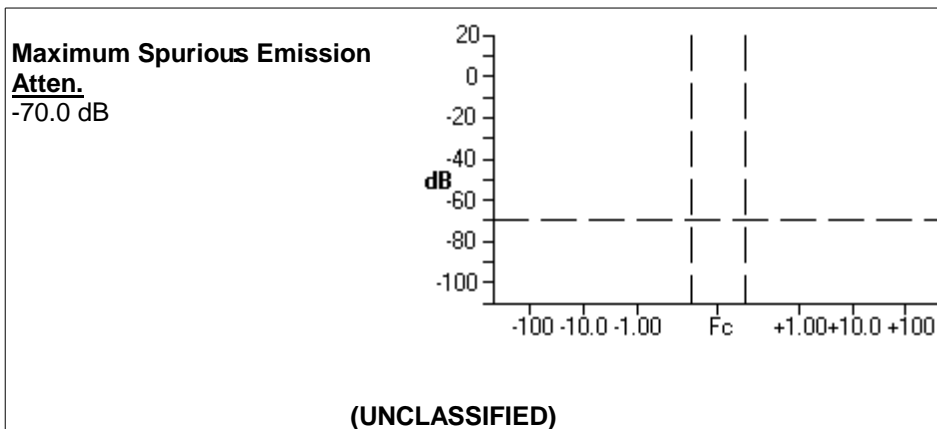


Figure 9 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 3M75D7W
 Necessary BW : (U) 3750.0 kHz

Modulation - 3M75D7W

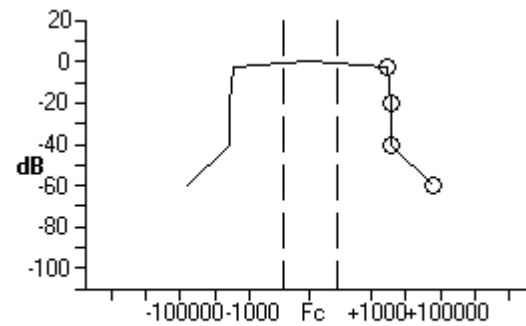
Occupied Bandwidth : (U) 3.7500 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 12608000 bps

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 10 - Fundamental Curve (U)

Meas/Calc : Measured
Level Offset (Fo)

-3.00 dB	2900.0 kHz
-20.0 dB	3600.0 kHz
-40.0 dB	3800.0 kHz
-60.0 dB	59000 kHz



(UNCLASSIFIED)

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

TRANSMITTER MDR-8608-135

Nomenclature : (U) MDR-8608-135
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8608-135
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:52:14 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No
Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 11 - 2nd Harmonic Curve (U)

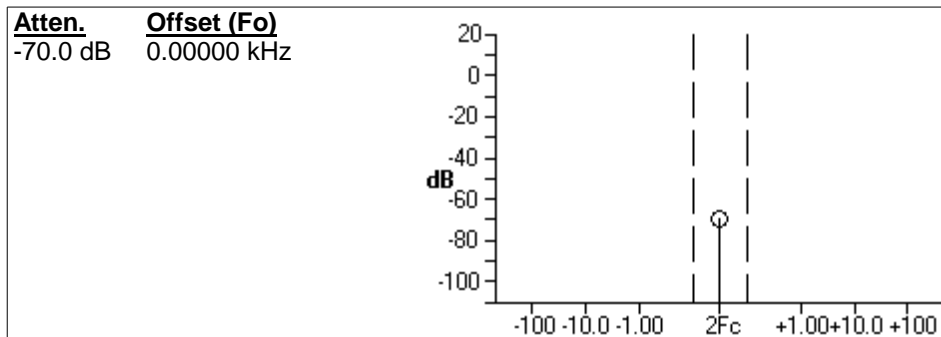
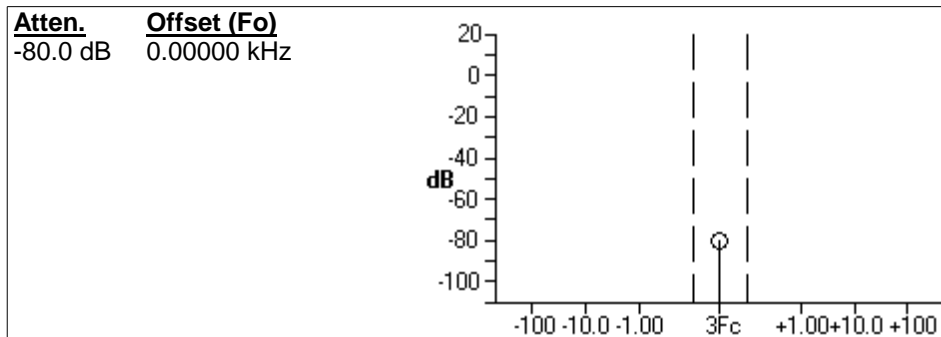


Figure 12 - 3rd Harmonic Curve (U)



FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 13 - Other Harmonic Curve (U)

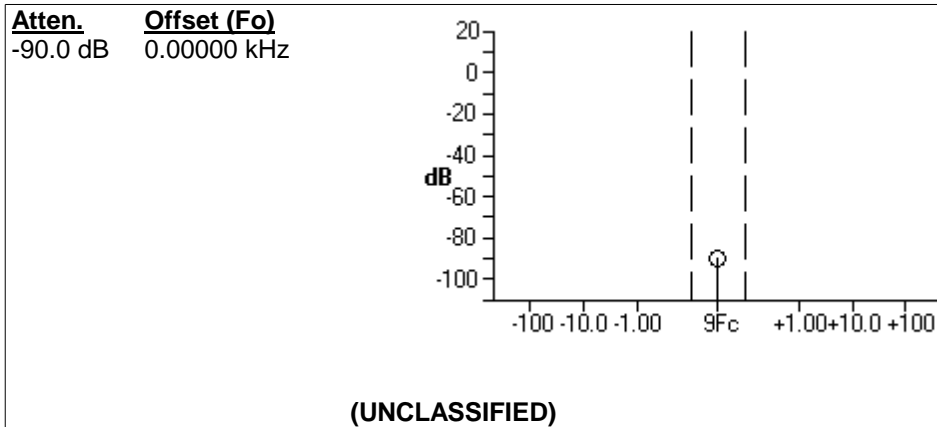
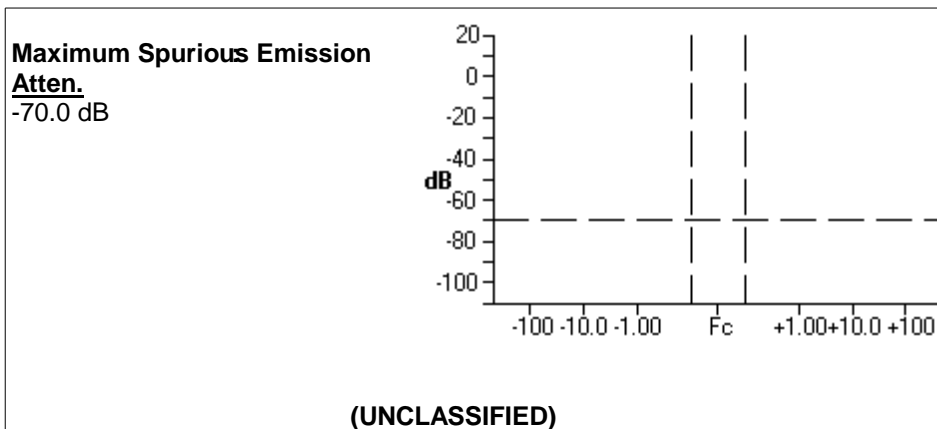


Figure 14 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 30M0D7W
 Necessary BW : (U) 30000 kHz

Modulation - 30M0D7W

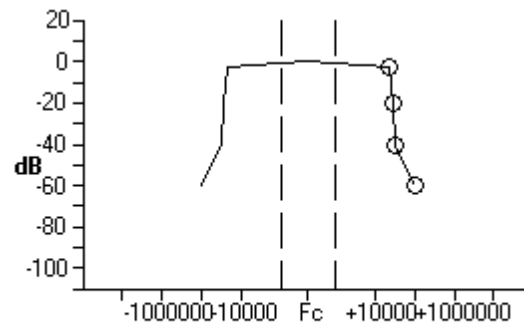
Occupied Bandwidth : (U) 24700 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 138840000 bps

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Figure 15 - Fundamental Curve (U)

Meas/Calc : Measured
Level **Offset (Fo)**

-3.00 dB	23600 kHz
-20.0 dB	29700 kHz
-40.0 dB	32000 kHz
-60.0 dB	99000 kHz



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TRANSMITTER MDR-8708E-12

Nomenclature : (U) MDR-8708E-12
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-12
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:52:41 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 16 - 2nd Harmonic Curve (U)

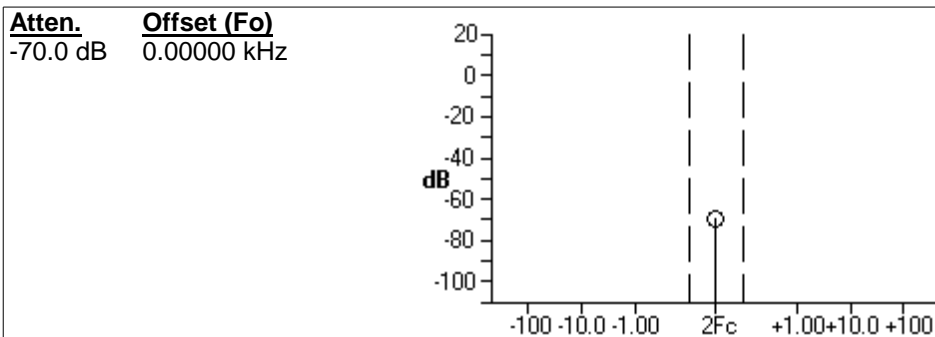
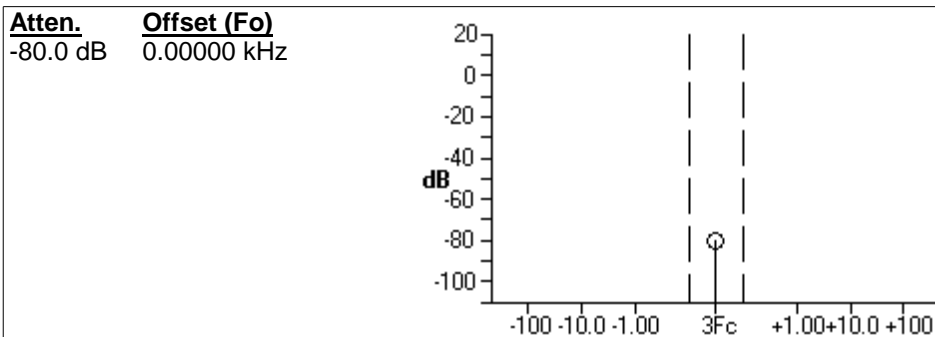


Figure 17 - 3rd Harmonic Curve (U)



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Figure 18 - Other Harmonic Curve (U)

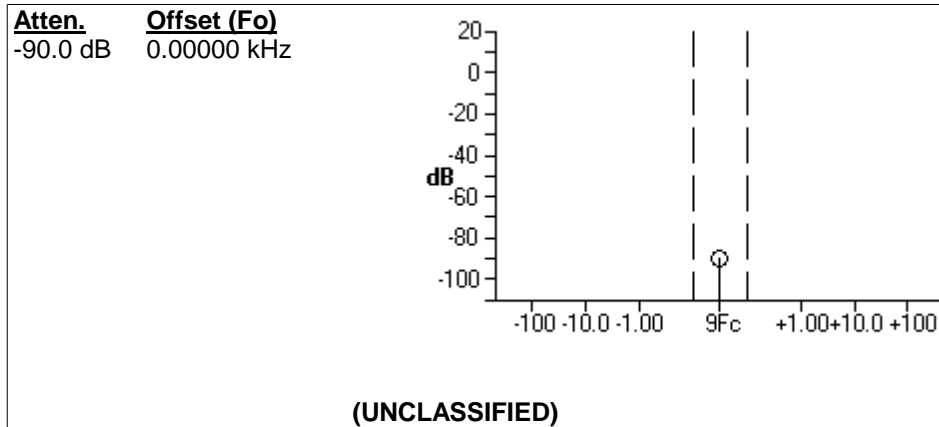
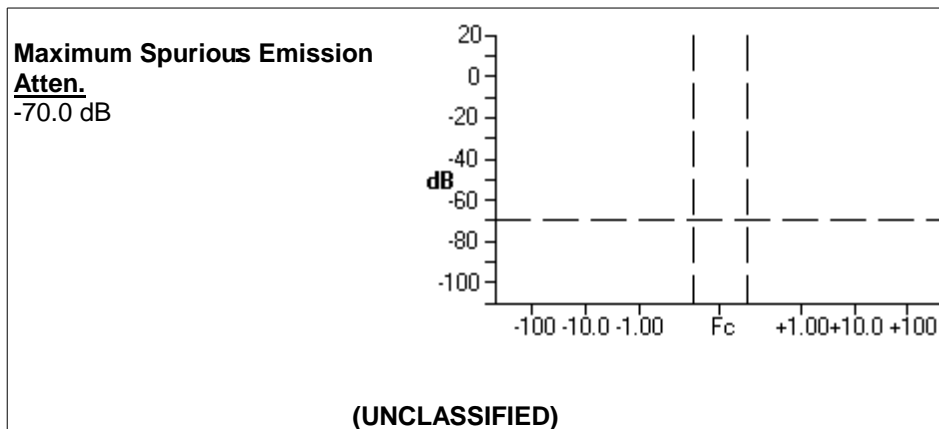


Figure 19 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 2M50D7W
 Necessary BW : (U) 2500.0 kHz

Modulation - 2M50D7W

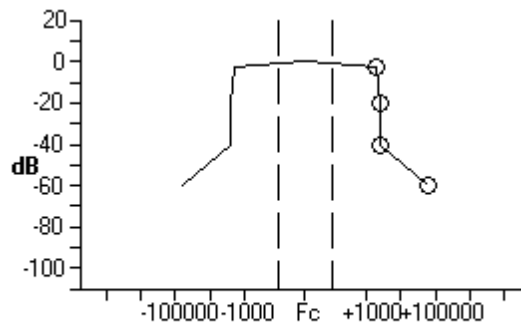
Occupied Bandwidth : (U) 2000.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 13135000 bps

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Figure 20 - Fundamental Curve (U)

Meas/Calc : Measured
Level Offset (Fo)

-3.00 dB	2000.0 kHz
-20.0 dB	2400.0 kHz
-40.0 dB	2600.0 kHz
-60.0 dB	59000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

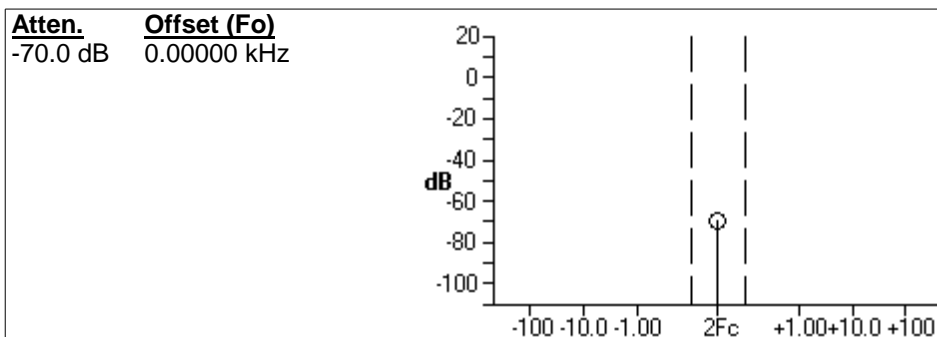
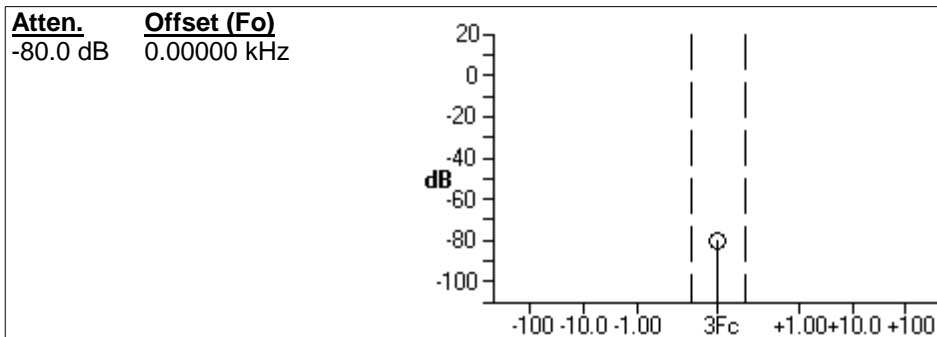
TRANSMITTER MDR-8708E-24

Nomenclature : (U) MDR-8708E-24
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-24
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:52:58 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 21 - 2nd Harmonic Curve (U)**Figure 22 - 3rd Harmonic Curve (U)**

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Figure 23 - Other Harmonic Curve (U)

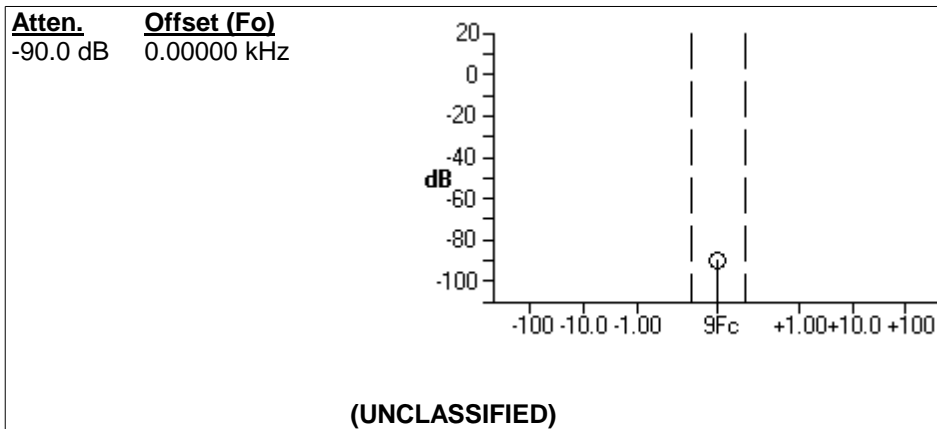
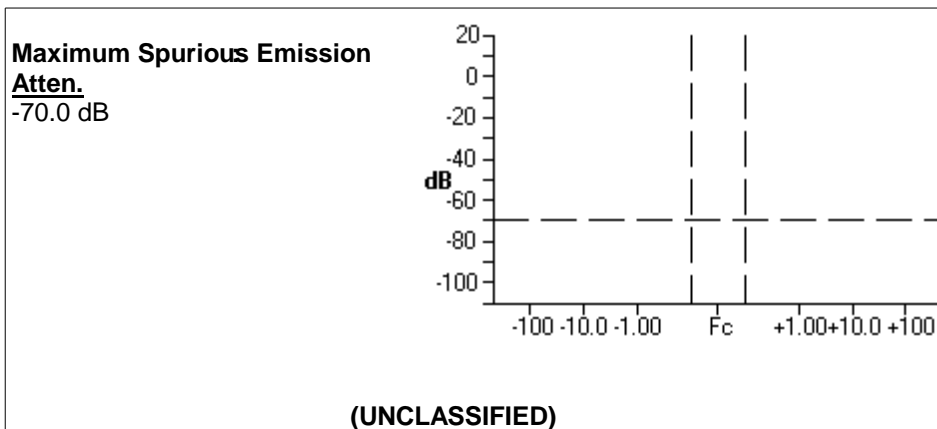


Figure 24 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 5M00D7W
 Necessary BW : (U) 5000.0 kHz

Modulation - 5M00D7W

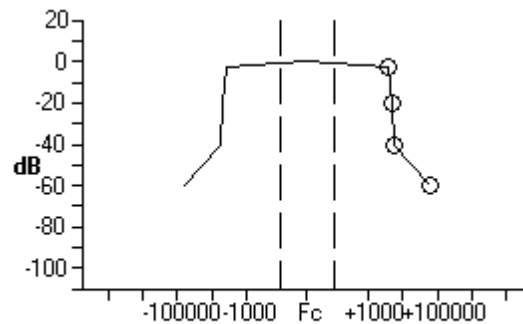
Occupied Bandwidth : (U) 4100.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 26270000 bps

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Figure 25 - Fundamental Curve (U)

Meas/Calc : Measured
Level Offset (Fo)

-3.00 dB	4000.0 kHz
-20.0 dB	4900.0 kHz
-40.0 dB	5300.0 kHz
-60.0 dB	59000 kHz



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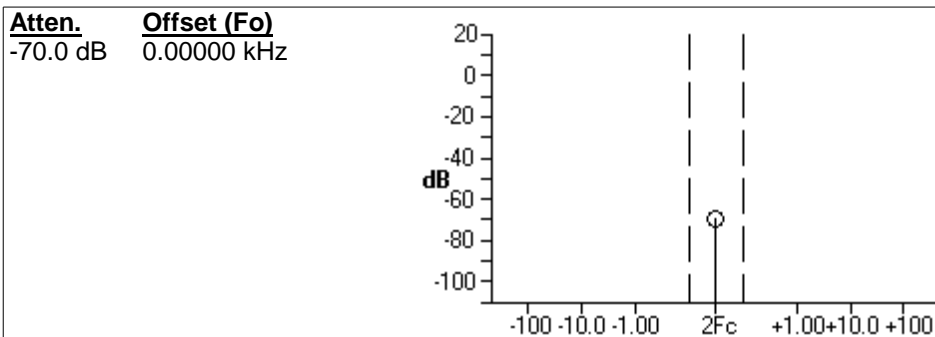
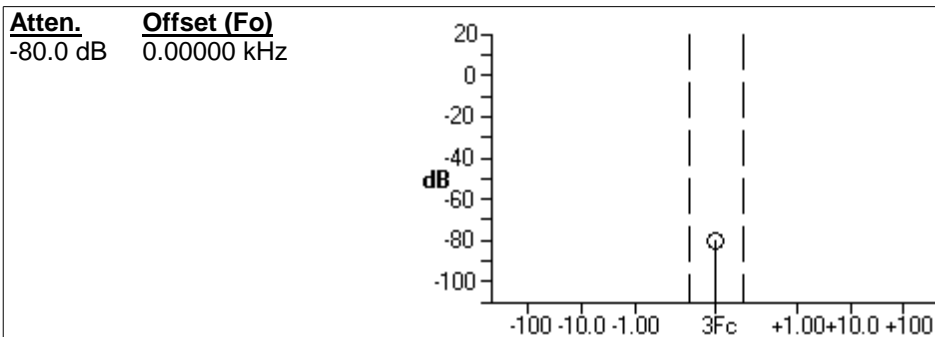
TRANSMITTER MDR-8508E-8

Nomenclature : (U) MDR-8508E-8
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508E-8
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:52:07 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 26 - 2nd Harmonic Curve (U)**Figure 27 - 3rd Harmonic Curve (U)**

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Figure 28 - Other Harmonic Curve (U)

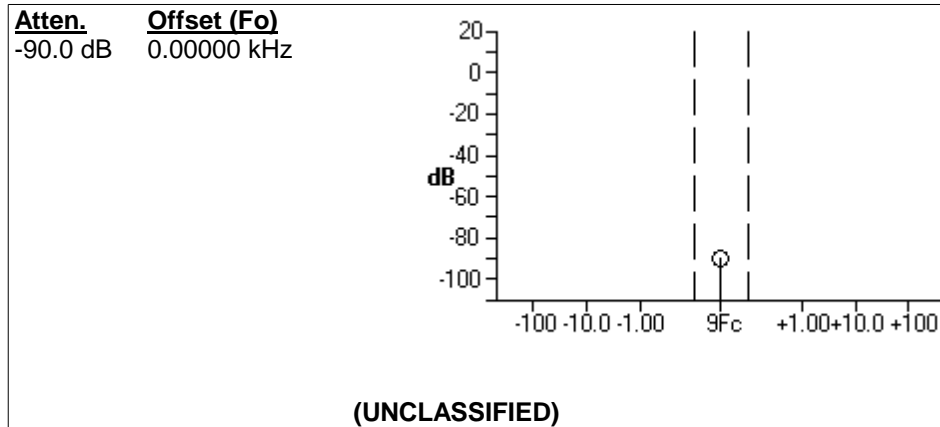
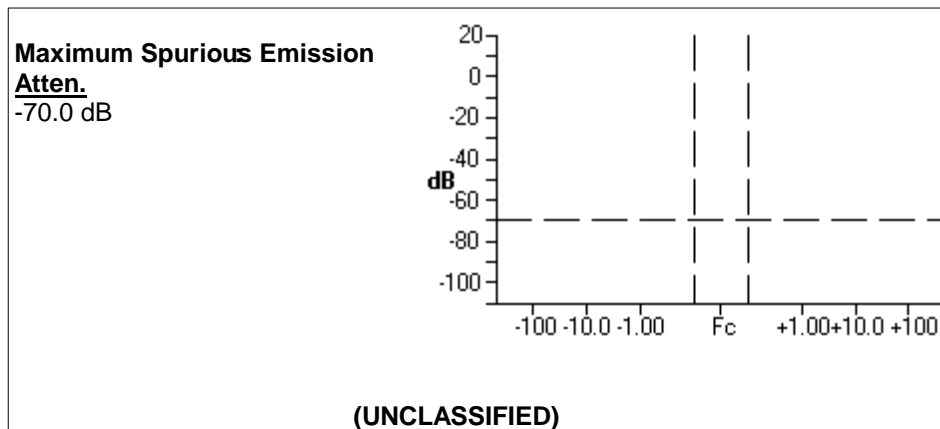


Figure 29 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 2M50D7W
 Necessary BW : (U) 2500.0 kHz

Modulation - 2M50D7W

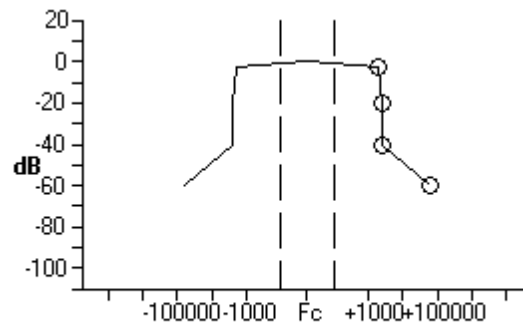
Occupied Bandwidth : (U) 2000.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 9093000 bps

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Figure 30 - Fundamental Curve (U)

Meas/Calc : Measured
Level **Offset (Fo)**

-3.00 dB	2000.0 kHz
-20.0 dB	2400.0 kHz
-40.0 dB	2600.0 kHz
-60.0 dB	59000 kHz



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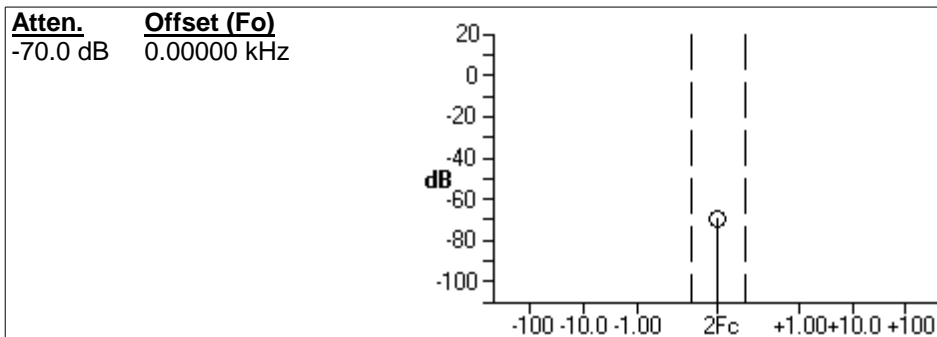
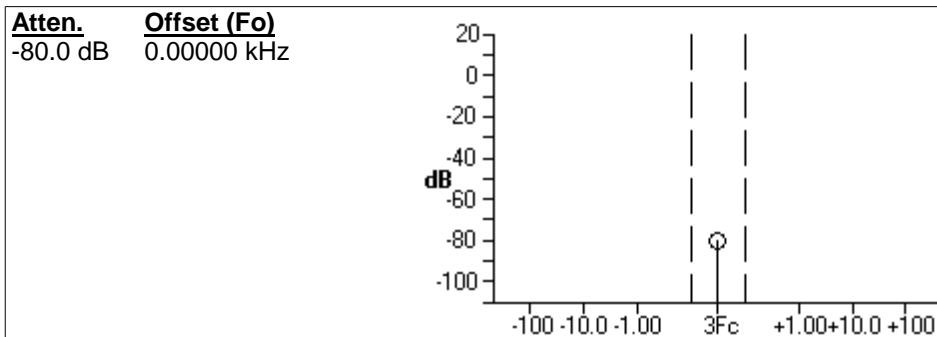
TRANSMITTER MDR-8708E-150

Nomenclature : (U) MDR-8708E-150
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-150
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:52:49 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 31 - 2nd Harmonic Curve (U)**Figure 32 - 3rd Harmonic Curve (U)**

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Figure 33 - Other Harmonic Curve (U)

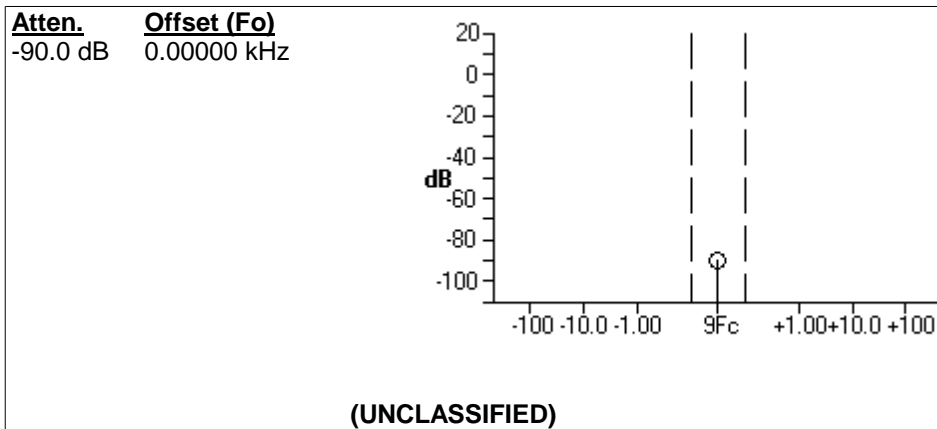
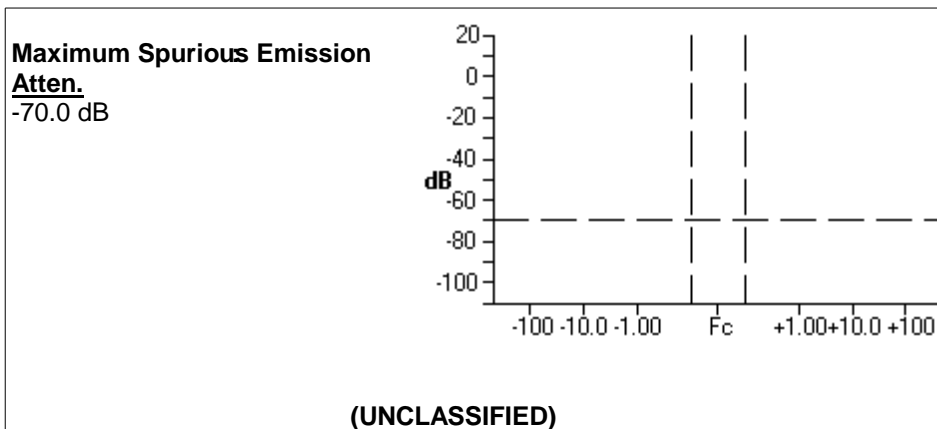


Figure 34 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 30M0D7W
 Necessary BW : (U) 30000 kHz

Modulation - 30M0D7W

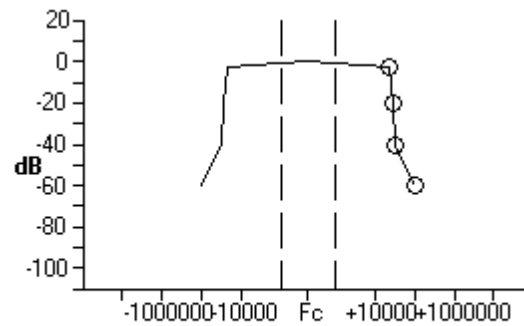
Occupied Bandwidth : (U) 25300 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 176994000 bps

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Figure 35 - Fundamental Curve (U)

Meas/Calc : Measured
Level **Offset (Fo)**

-3.00 dB	24400 kHz
-20.0 dB	30600 kHz
-40.0 dB	33000 kHz
-60.0 dB	99000 kHz



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TRANSMITTER MDR-8708E-50

Nomenclature : (U) MDR-8708E-50
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-50
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:53:06 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 36 - 2nd Harmonic Curve (U)

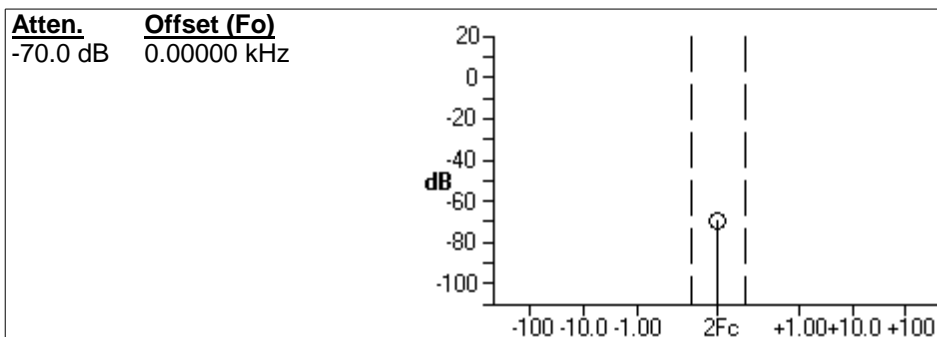
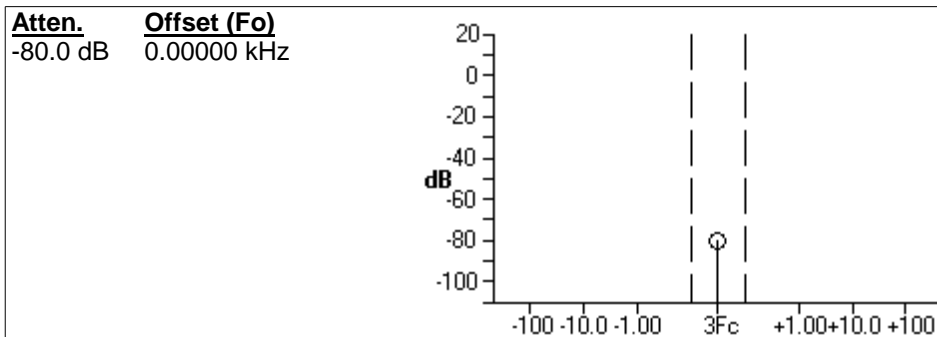


Figure 37 - 3rd Harmonic Curve (U)



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Figure 38 - Other Harmonic Curve (U)

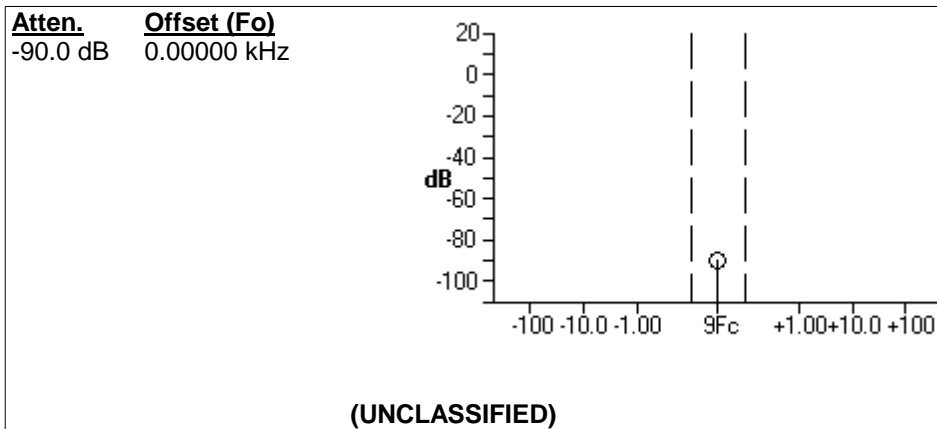
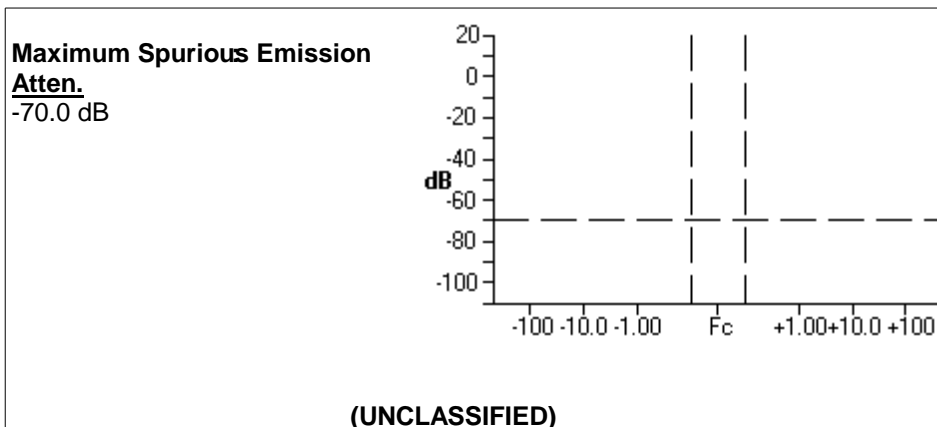


Figure 39 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 10M0D7W
 Necessary BW : (U) 10000 kHz

Modulation - 10M0D7W

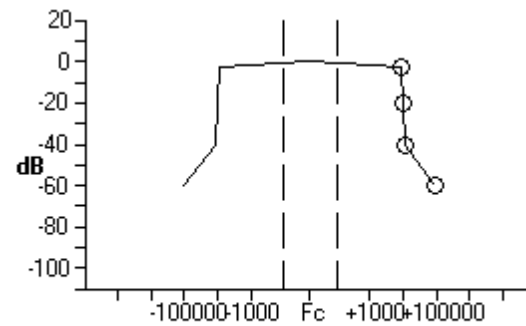
Occupied Bandwidth : (U) 8.5000 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 59.0 bps

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Figure 40 - Fundamental Curve (U)

Meas/Calc : Measured
Level Offset (Fo)

-3.00 dB	8400.0 kHz
-20.0 dB	10200 kHz
-40.0 dB	11000 kHz
-60.0 dB	99000 kHz



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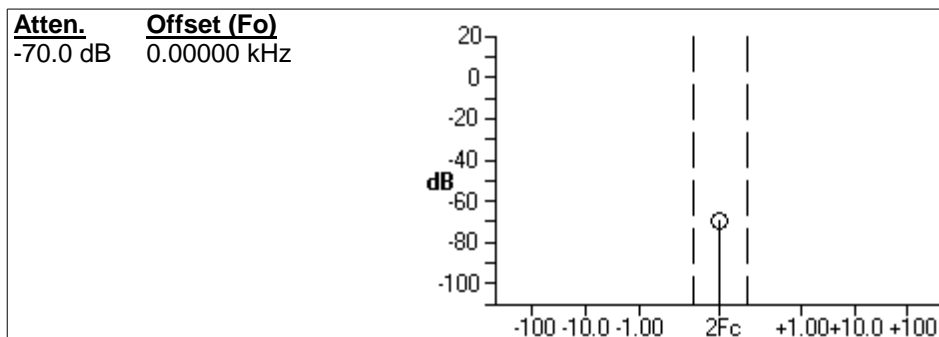
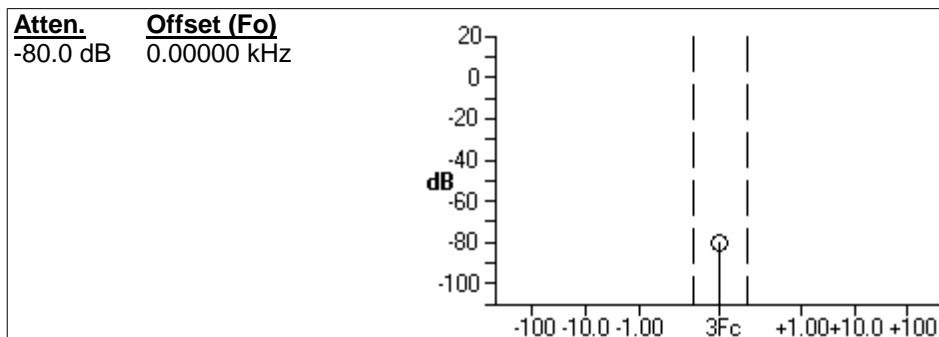
TRANSMITTER MDR-8508E-24

Nomenclature : (U) MDR-8508E-24
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508E-24
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:51:57 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 41 - 2nd Harmonic Curve (U)**Figure 42 - 3rd Harmonic Curve (U)**

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Figure 43 - Other Harmonic Curve (U)

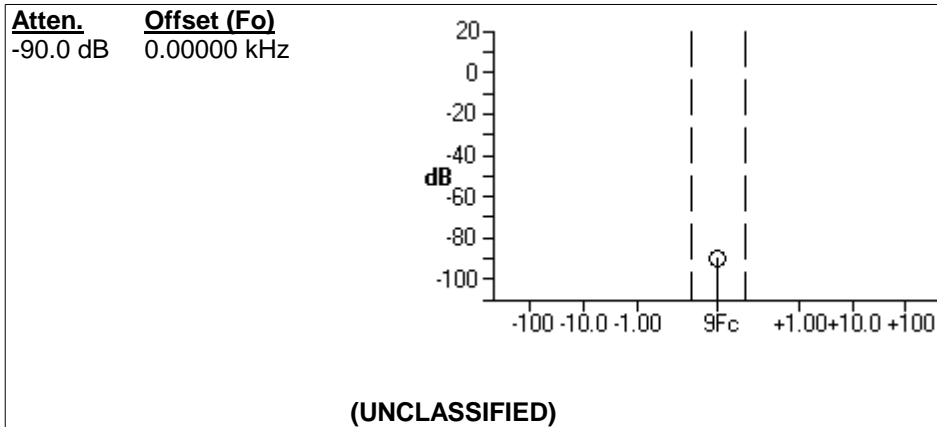
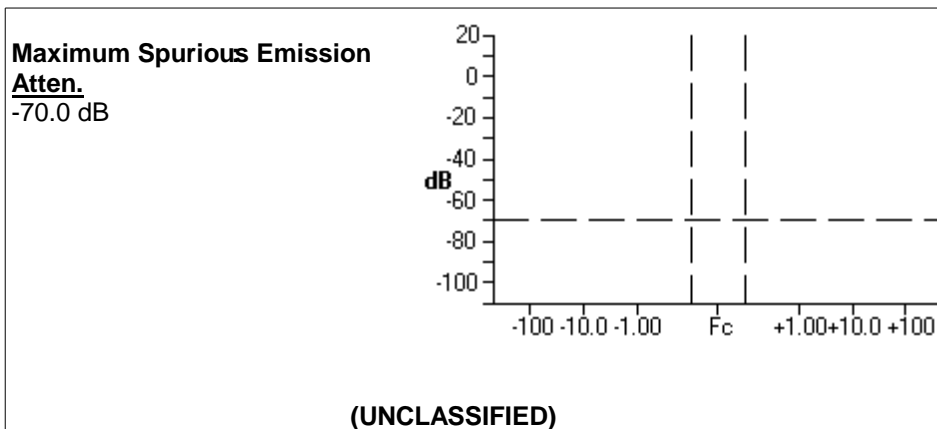


Figure 44 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 7M50D7W
 Necessary BW : (U) 7500.0 kHz

Modulation - 7M50D7W

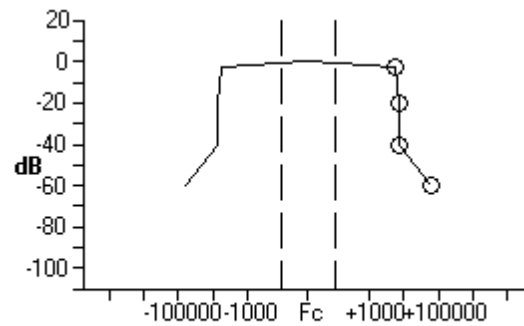
Occupied Bandwidth : (U) 5900.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 29189000 bps

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Figure 45 - Fundamental Curve (U)

Meas/Calc : Measured
Level Offset (Fo)

-3.00 dB	5700.0 kHz
-20.0 dB	7100.0 kHz
-40.0 dB	7600.0 kHz
-60.0 dB	59000 kHz



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TRANSMITTER MDR-8508E-12

Nomenclature : (U) MDR-8508E-12
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508E-12
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:51:49 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 46 - 2nd Harmonic Curve (U)

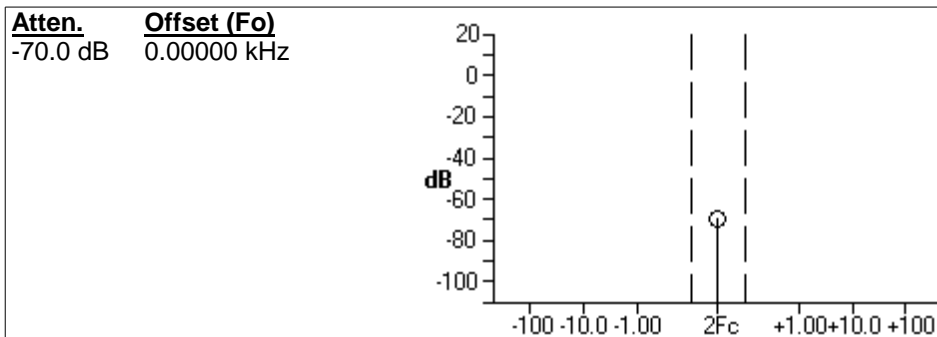
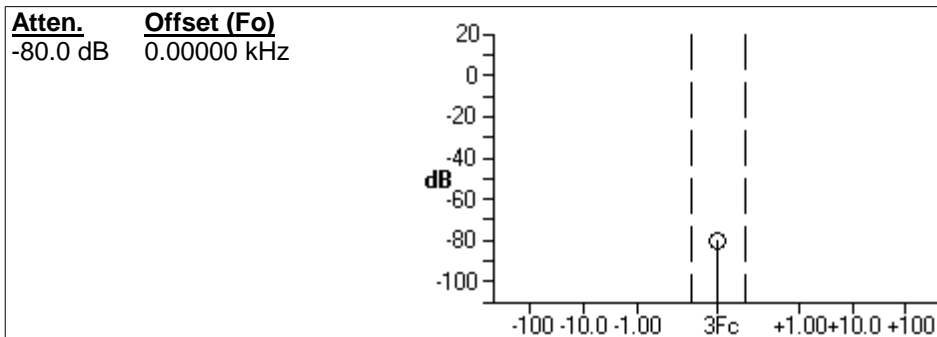


Figure 47 - 3rd Harmonic Curve (U)



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Figure 48 - Other Harmonic Curve (U)

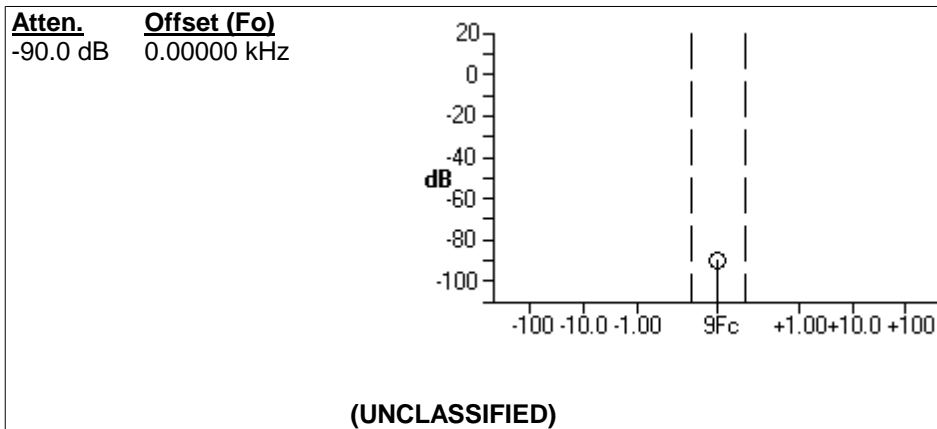
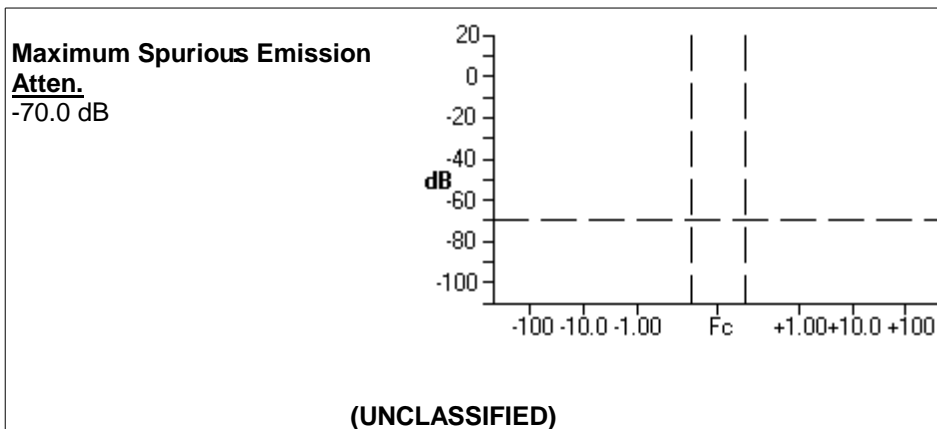


Figure 49 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 3M75D7W
 Necessary BW : (U) 3750.0 kHz

Modulation - 3M75D7W

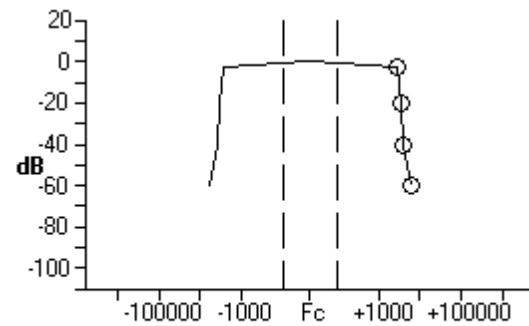
Occupied Bandwidth : (U) 3000.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 14594000 bps

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Figure 50 - Fundamental Curve (U)

Meas/Calc : Measured
Level **Offset (Fo)**

-3.00 dB	2900.0 kHz
-20.0 dB	3500.0 kHz
-40.0 dB	3800.0 kHz
-60.0 dB	5900.0 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

TRANSMITTER MDR-8608-45

Nomenclature : (U) MDR-8608-45
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8608-45
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:52:32 PM (GMT)
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Fixed Crystal
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No
Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 51 - 2nd Harmonic Curve (U)

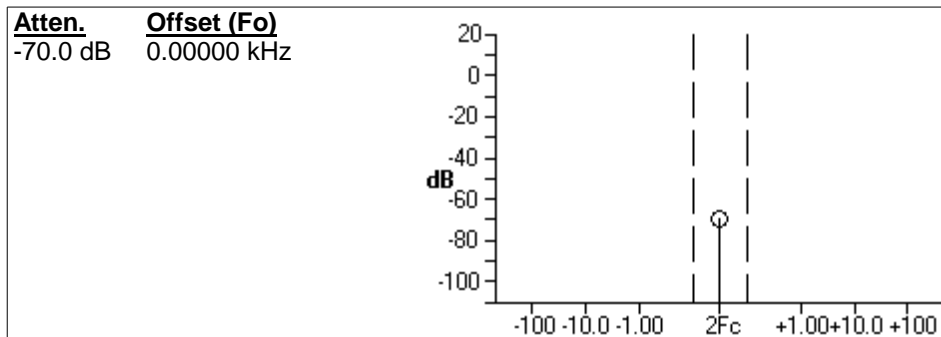
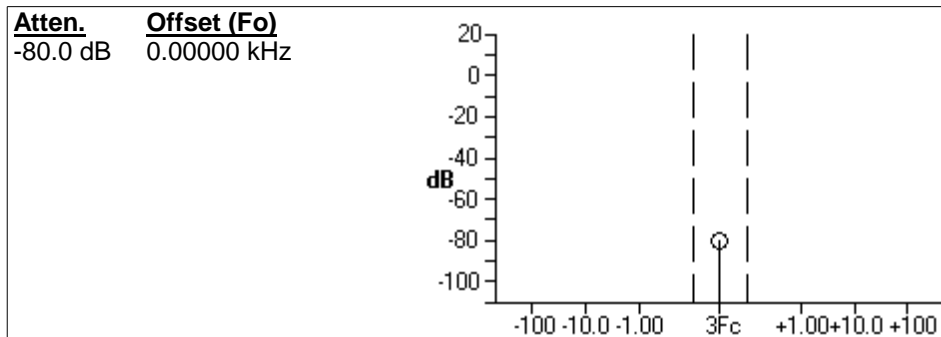


Figure 52 - 3rd Harmonic Curve (U)



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Figure 53 - Other Harmonic Curve (U)

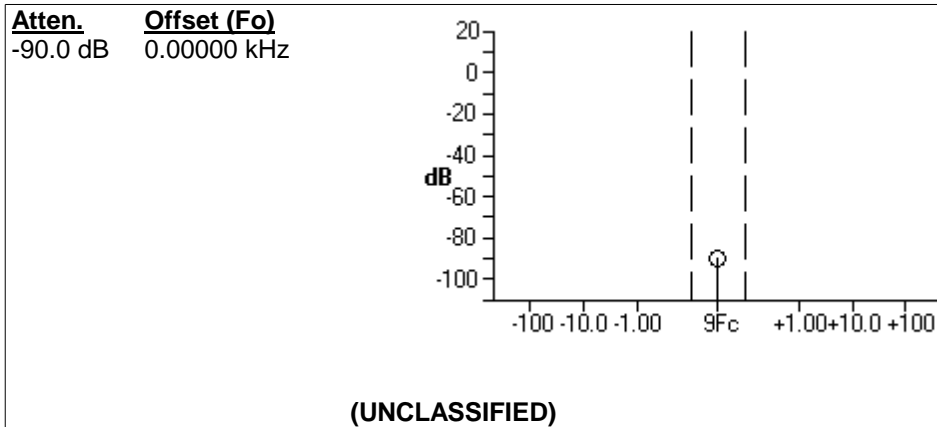
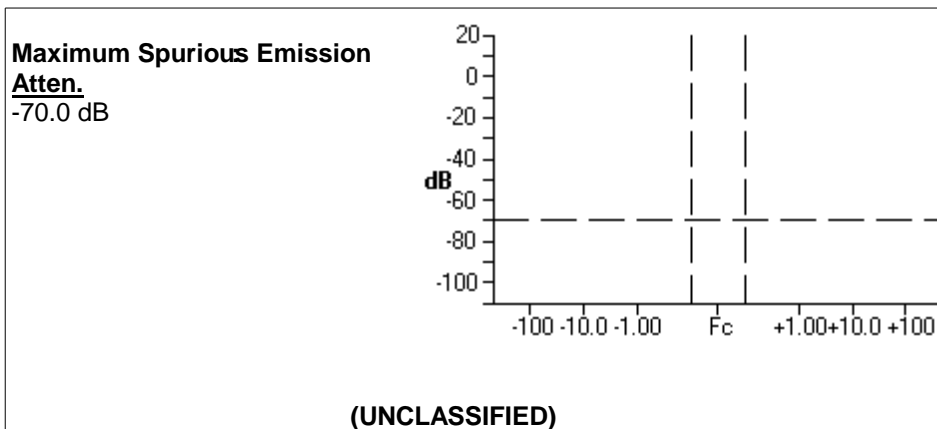


Figure 54 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 10M0D7W
 Necessary BW : (U) 10000 kHz

Modulation - 10M0D7W

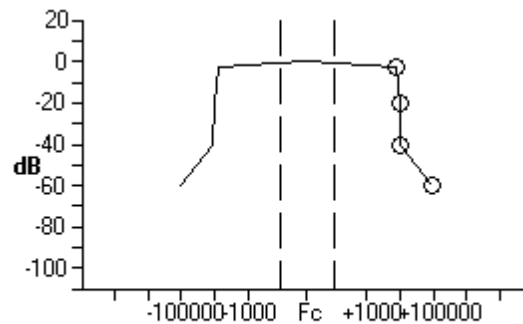
Occupied Bandwidth : (U) 8500.0 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 46300000 bps

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Figure 55 - Fundamental Curve (U)

Meas/Calc : Measured
Level **Offset (Fo)**

-3.00 dB	7900.0 kHz
-20.0 dB	9900.0 kHz
-40.0 dB	10700 kHz
-60.0 dB	99000 kHz



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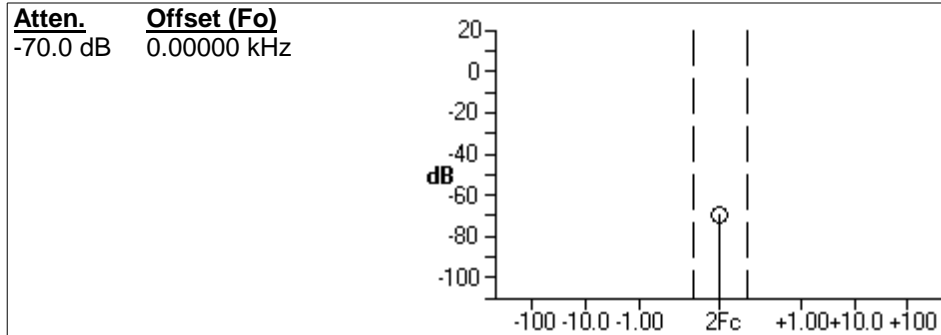
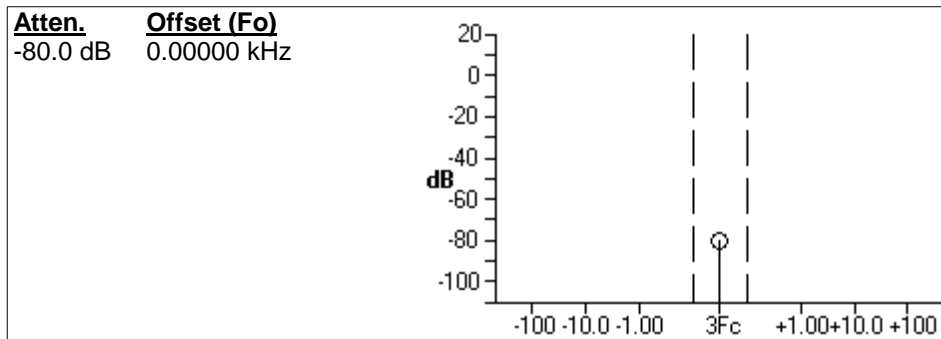
TRANSMITTER MDR-8708S-155

Nomenclature : (U) MDR-8708S-155
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708S-155
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:53:16 PM (GMT)
Fcc Acc. Number : (U) NA
Freq. Stability : (U) 10ppm
Output Device : (U) Field Effect Transistor
Tuning Method : (U) Crystal Controlled
Radar/Comm : (U) Communications
Supp. of Harmonics : (U) No

Powers

Power Type : Mean

Power : (U) 1.58 W

Figure 56 - 2nd Harmonic Curve (U)**Figure 57 - 3rd Harmonic Curve (U)**

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 58 - Other Harmonic Curve (U)

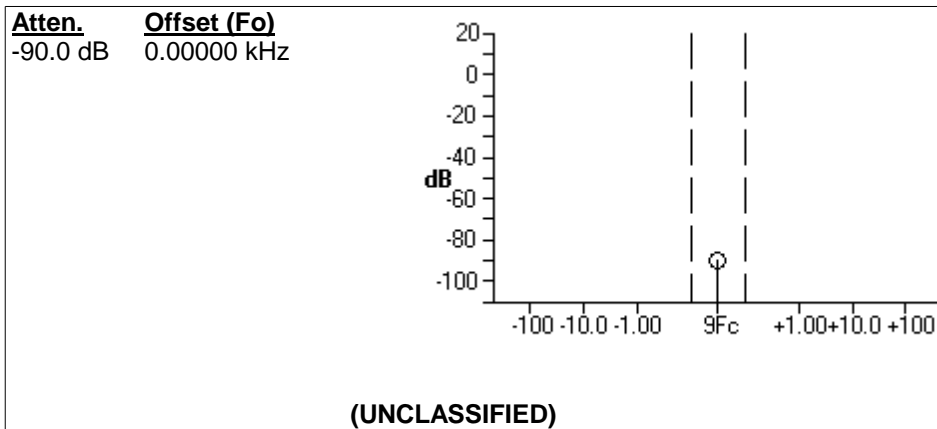
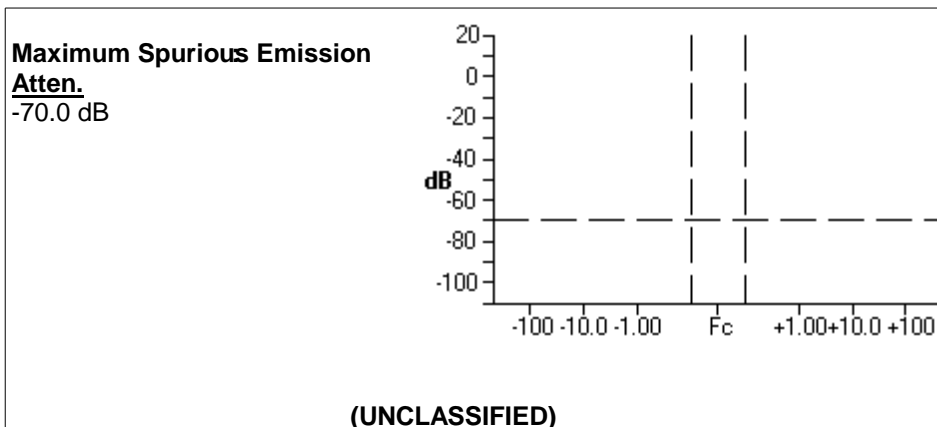


Figure 59 - Spurious Emission Curve (U)

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
 Tuning Increment : (U) 10.000 kHz
 Number Freq. Required : (U) 2
 Min. Separation : (U) 110.0000 MHz
 Em. Designator : (U) 30M0D7W
 Necessary BW : (U) 30000 kHz

Modulation - 30M0D7W

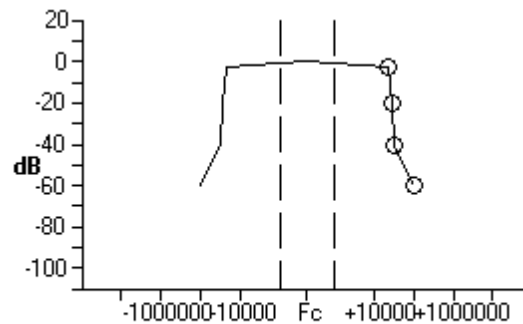
Occupied Bandwidth : (U) 25300 kHz
 Measured/Calculated : (U) Measured
 Radar/Communications : (U) Communications
 Modulation Type : (U) Digital Modulation
 Spread Spectrum : No
 Dig. Modulation Type : (U) QAM - Quadrature Amplitude Modulation
 Digital Bit Rate : (U) 176994000 bps

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Figure 60 - Fundamental Curve (U)

Meas/Calc : Measured
Level **Offset (Fo)**

-3.00 dB	24400 kHz
-20.0 dB	30600 kHz
-40.0 dB	33000 kHz
-60.0 dB	99000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8508-8

Nomenclature : (U) MDR-8508-8
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508-8
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:17:07 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

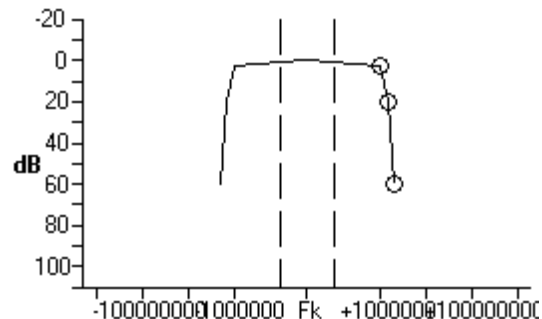
Em. Designator : (U) 3M75D7W
Necessary BW : (U) 3750.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -81.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 61 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 62 - RF Selectivity Curve (U)

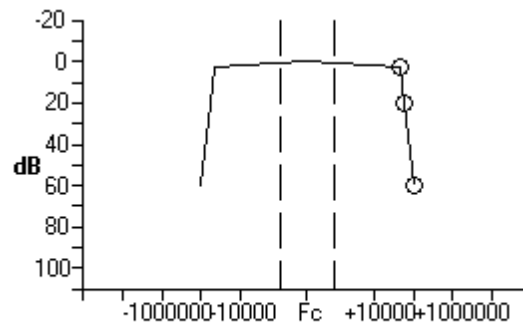
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8708E-150

Nomenclature : (U) MDR-8708E-150
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-150
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:02:17 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

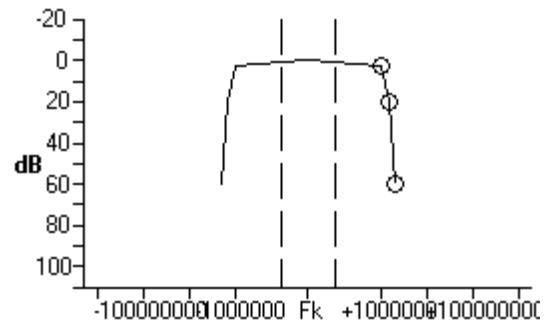
Em. Designator : (U) 30M0D7W
Necessary BW : (U) 30000 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -69.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 290 K
Spur. Reject : (U) 110 dB

Figure 63 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 64 - RF Selectivity Curve (U)

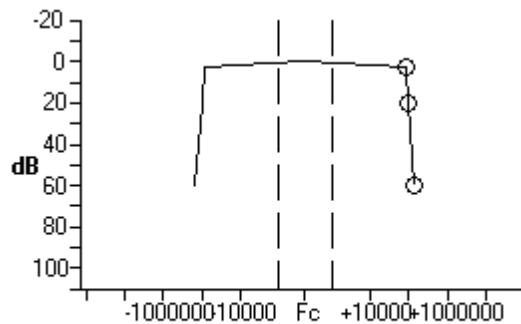
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 85000 kHz

20.0 dB 99000 kHz

60.0 dB 145000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8708E-50

Nomenclature : (U) MDR-8708E-50
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-50
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:01:51 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

Em. Designator : (U) 10M0D7W
Necessary BW : (U) 10000 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -73.5 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 290 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 65 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

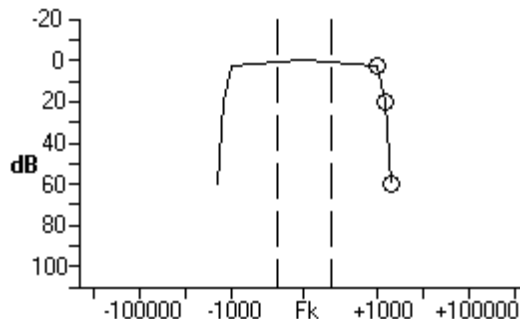
Meas/Calc : Measured

Atten. **Offset (Fo)**

3.00 dB 1000.0 kHz

20.0 dB 1500.0 kHz

60.0 dB 2000.0 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 66 - RF Selectivity Curve (U)

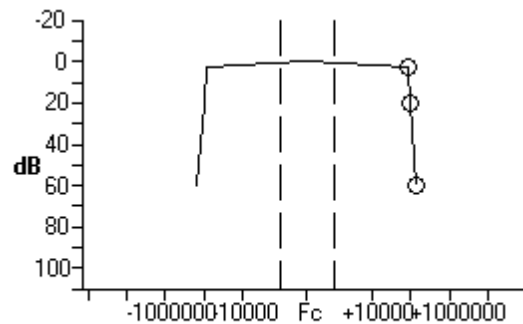
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 85000 kHz

20.0 dB 99000 kHz

60.0 dB 145000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8708E-24

Nomenclature : (U) MDR-8708E-24
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-24
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:02:08 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

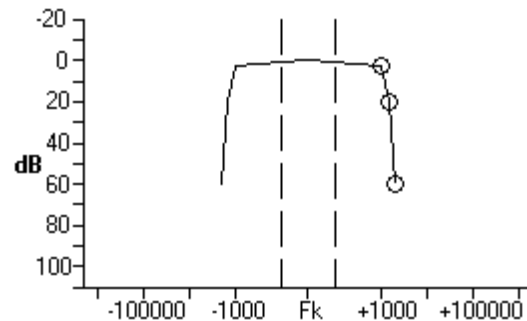
Tuning Increment : (U) 10.000 kHz

Sensitivities

Em. Designator : (U) 5M00D7W
Necessary BW : (U) 5000.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -74.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 290 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 67 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz
Meas/Calc : Measured
Atten. **Offset (Fo)**
 3.00 dB 1000.0 kHz
 20.0 dB 1500.0 kHz
 60.0 dB 2000.0 kHz



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Figure 68 - RF Selectivity Curve (U)

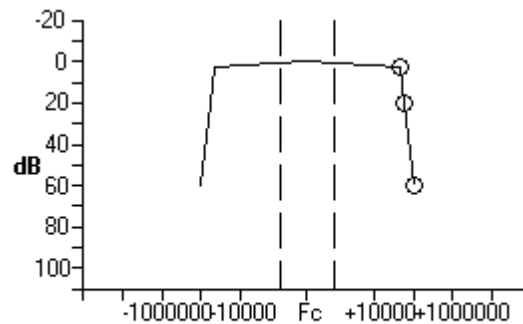
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8708E-12

Nomenclature : (U) MDR-8708E-12
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708E-12
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:03:13 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

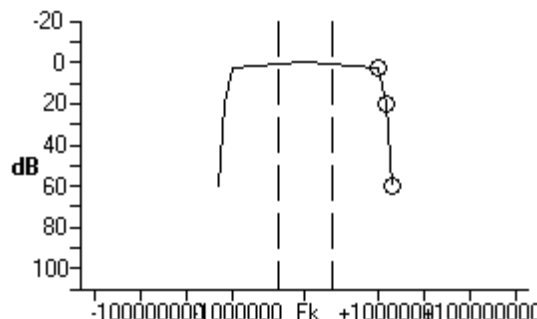
Em. Designator : (U) 2M50D7W
Necessary BW : (U) 2500.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -77.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 290 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 69 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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Figure 70 - RF Selectivity Curve (U)

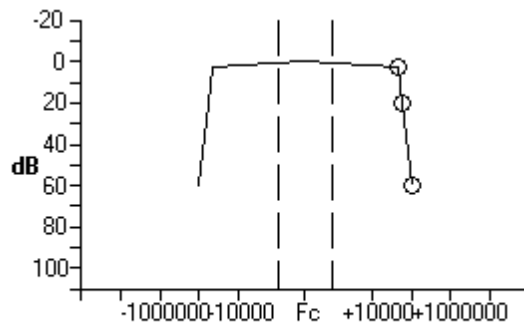
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8608-135

Nomenclature : (U) MDR-8608-135
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8608-135
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:16:43 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

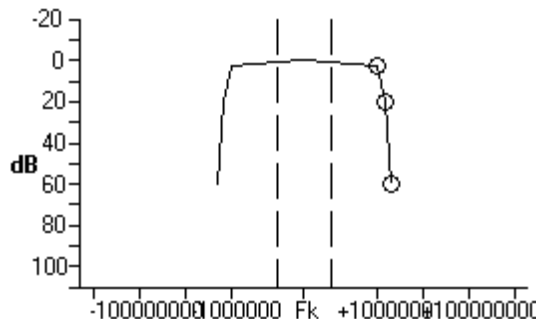
Em. Designator : (U) 30M0D7W
Necessary BW : (U) 30000 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -69.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 71 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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Figure 72 - RF Selectivity Curve (U)

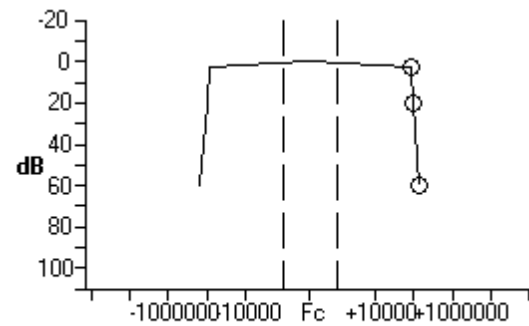
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 85000 kHz

20.0 dB 99000 kHz

60.0 dB 145000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8608-45

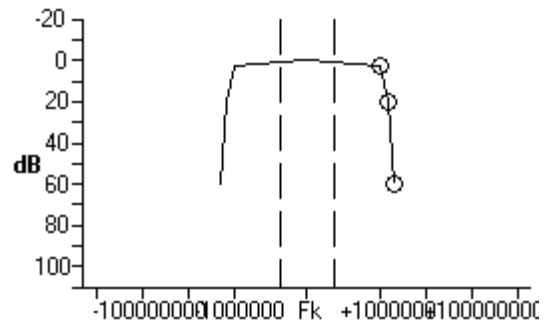
Nomenclature : (U) MDR-8608-45
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8608-45
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:03:30 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal
Frequencies
Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz
Tuning Increment : (U) 10.000 kHz

Sensitivities

Em. Designator : (U) 10M0D7W
Necessary BW : (U) 10000 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -74.5 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 290 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 73 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz
Meas/Calc : Measured
Atten. **Offset (Fo)**
 3.00 dB 1000000 kHz
 20.0 dB 1500000 kHz
 60.0 dB 2000000 kHz



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Figure 74 - RF Selectivity Curve (U)

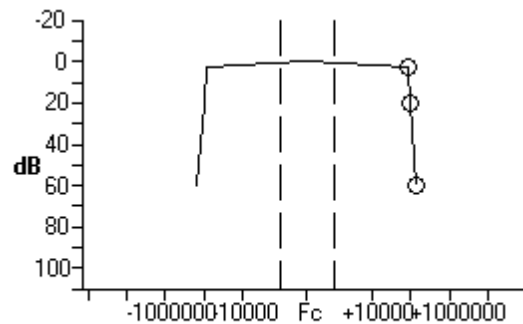
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 85000 kHz

20.0 dB 99000 kHz

60.0 dB 145000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8508E-24

Nomenclature : (U) MDR-8508E-24
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508E-24
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:16:57 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

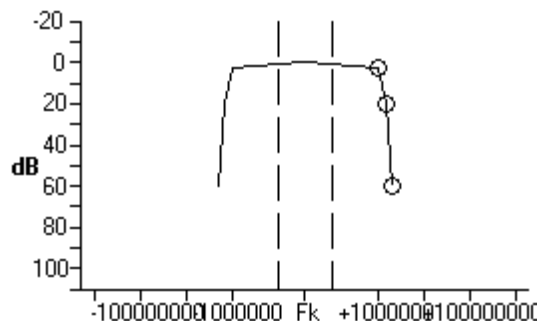
Em. Designator : (U) 5M00D7W
Necessary BW : (U) 5000.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -78.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 75 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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Figure 76 - RF Selectivity Curve (U)

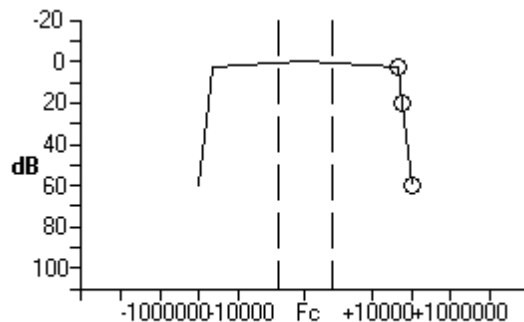
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8508E-12

Nomenclature : (U) MDR-8508E-12
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508E-12
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:17:01 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

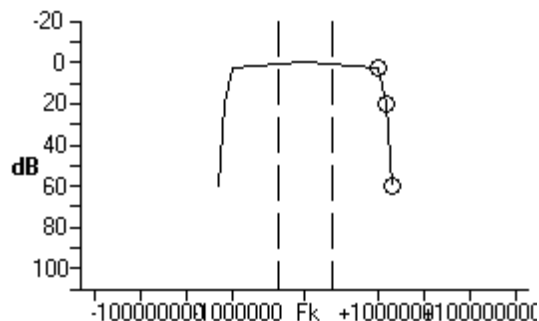
Em. Designator : (U) 3M75D7W
Necessary BW : (U) 3750.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -81.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 77 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

Figure 78 - RF Selectivity Curve (U)

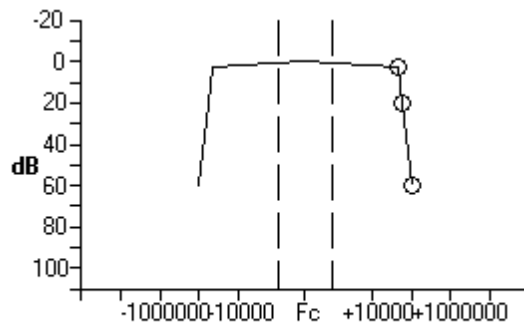
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8508E-8

Nomenclature : (U) MDR-8508E-8
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508E-8
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:16:49 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

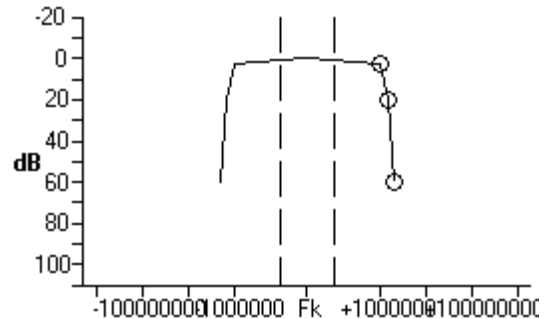
Em. Designator : (U) 2M50D7W
Necessary BW : (U) 2500.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -83.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 79 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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Figure 80 - RF Selectivity Curve (U)

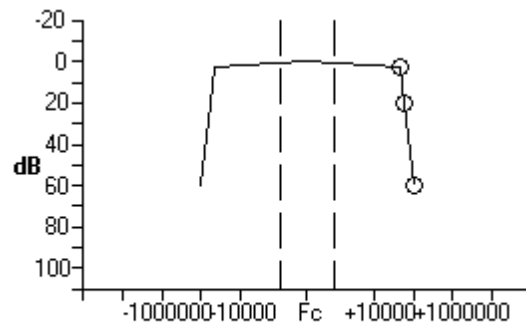
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8708S-155

Nomenclature : (U) MDR-8708S-155
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8708S-155
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 10/23/2012 8:16:26 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Crystal Controlled

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

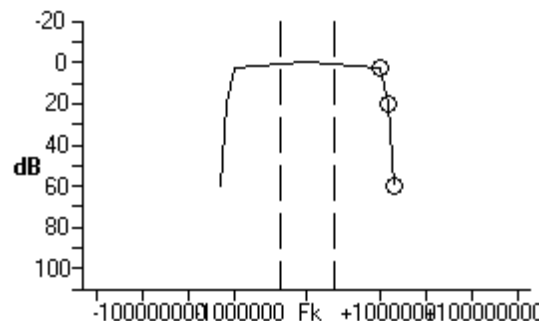
Em. Designator : (U) 30M0D7W
Necessary BW : (U) 30000 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -69.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 81 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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Figure 82 - RF Selectivity Curve (U)

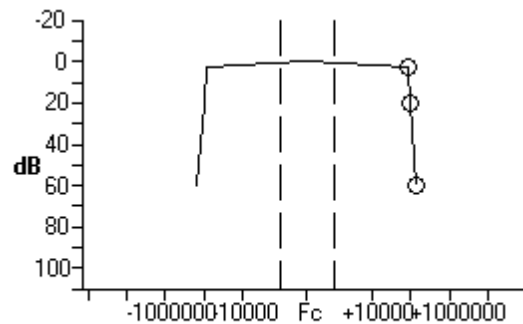
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 85000 kHz

20.0 dB 99000 kHz

60.0 dB 145000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

RECEIVER MDR-8508-16

Nomenclature : (U) MDR-8508-16
Manufacturer : (U) ALCATEL
Model Name : (U) MDR-8508-16
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 9/24/2012 1:57:45 PM (GMT)
Freq. Stability : (U) 10ppm
Image Reject : (U) 95.0 dB
Oscillator Tuned : (U) Below
Tuning Method : (U) Fixed Crystal

Frequencies

Tuned Frequency : (U) 7125.000 MHz - 8500.000 MHz

Tuning Increment : (U) 10.000 kHz

Sensitivities

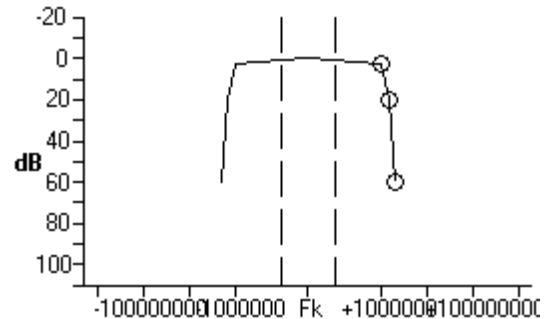
Em. Designator : (U) 7M00D7W
Necessary BW : (U) 7000.0 kHz
Perf. Crit. : (U) BER - Bit Error Rate
Perf. Value : (U) 5
Sensitivity : (U) -78.0 dBm
Noise Fig. : (U) 3.00 dB
Noise Temp. : (U) 289 K
Spur. Reject : (U) 110 dB
Intermod. Reject : (U) 95.0 dB

Figure 83 - IF Selectivity Curve (U)

IF Freq. (Fk) : 2000.000 MHz

Meas/Calc : Measured

<u>Atten.</u>	<u>Offset (Fo)</u>
3.00 dB	1000000 kHz
20.0 dB	1500000 kHz
60.0 dB	2000000 kHz



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Figure 84 - RF Selectivity Curve (U)

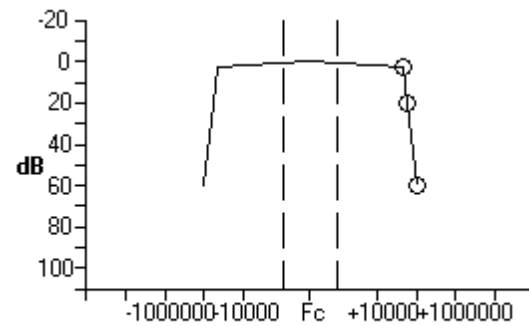
Meas/Calc : Measured

Atten. Offset (Fo)

3.00 dB 45000 kHz

20.0 dB 59000 kHz

60.0 dB 101000 kHz



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FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA DA4-71B

Nomenclature : (U) DA4-71B
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) DA4-71B
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:32:23 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 37.0 dBi
1st Horz. Sidelobe Atten. : (U) 15.0 dB
1st Vert. Sidelobe Atten. : (U) 15.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 5.00 degrees
1st Vert. Pos. : (U) 5.00 degrees
Gain Fr. to Bk. : (U) 62.0 dB
Horz. Beamwidth : (U) 2.20 degrees
Vert. Beamwidth : (U) 2.20 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PA8-71

Nomenclature : (U) PA8-71
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) PA8-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:01:10 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 43.0 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.00 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PA4-71

Nomenclature : (U) PA4-71
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) PA4-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 9:58:56 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 37.0 dBi
1st Horz. Sidelobe Atten. : (U) 15.0 dB
1st Vert. Sidelobe Atten. : (U) 15.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 5.00 degrees
1st Vert. Pos. : (U) 5.00 degrees
Gain Fr. to Bk. : (U) 62.0 dB
Horz. Beamwidth : (U) 2.20 degrees
Vert. Beamwidth : (U) 2.20 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA DA8-W71A

Nomenclature : (U) DA8-W71A
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) DA8-W71A
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 3:32:53 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 43.3 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.00 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL4-71W

Nomenclature : (U) PL4-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL4-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:57:01 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 36.5 dBi
1st Horz. Sidelobe Atten. : (U) 22.0 dB
1st Vert. Sidelobe Atten. : (U) 22.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 6.50 degrees
1st Vert. Pos. : (U) 6.50 degrees
Gain Fr. to Bk. : (U) 45.0 dB
Horz. Beamwidth : (U) 2.20 degrees
Vert. Beamwidth : (U) 2.20 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.20 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL10-77

Nomenclature : (U) PL10-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL10-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:20:27 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 45.2 dBi
1st Horz. Sidelobe Atten. : (U) 30.0 dB
1st Vert. Sidelobe Atten. : (U) 33.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.50 degrees
1st Vert. Pos. : (U) 5.50 degrees
Gain Fr. to Bk. : (U) 58.0 dB
Horz. Beamwidth : (U) 0.900 degrees
Vert. Beamwidth : (U) 0.900 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.00 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL8-77

Nomenclature : (U) PL8-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL8-77
Antenna Type : (U) Passive Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:26:27 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 43.3 dBi
1st Horz. Sidelobe Atten. : (U) 40.0 dB
1st Vert. Sidelobe Atten. : (U) 34.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 8.20 degrees
1st Vert. Pos. : (U) 11.7 degrees
Gain Fr. to Bk. : (U) 50.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 2.40 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL6-77

Nomenclature : (U) PL6-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL6-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:25:07 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.8 dBi
1st Horz. Sidelobe Atten. : (U) 24.0 dB
1st Vert. Sidelobe Atten. : (U) 23.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.00 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 48.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.80 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL4-77

Nomenclature : (U) PL4-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL4-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:23:38 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 37.2 dBi
1st Horz. Sidelobe Atten. : (U) 21.0 dB
1st Vert. Sidelobe Atten. : (U) 21.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 6.50 degrees
1st Vert. Pos. : (U) 6.50 degrees
Gain Fr. to Bk. : (U) 45.0 dB
Horz. Beamwidth : (U) 2.20 degrees
Vert. Beamwidth : (U) 2.20 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.20 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL12-71W

Nomenclature : (U) PL12-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL12-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:53:57 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 46.3 dBi
1st Horz. Sidelobe Atten. : (U) 23.3 dB
1st Vert. Sidelobe Atten. : (U) 23.3 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 3.00 degrees
1st Vert. Pos. : (U) 3.00 degrees
Gain Fr. to Bk. : (U) 58.0 dB
Horz. Beamwidth : (U) 0.700 degrees
Vert. Beamwidth : (U) 0.700 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.70 m

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ANTENNA PL10-71W

Nomenclature : (U) PL10-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL10-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:28:42 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 44.8 dBi
1st Horz. Sidelobe Atten. : (U) 30.0 dB
1st Vert. Sidelobe Atten. : (U) 33.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.50 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 55.0 dB
Horz. Beamwidth : (U) 0.900 degrees
Vert. Beamwidth : (U) 0.900 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.00 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL8-71W

Nomenclature : (U) PL8-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL8-71W
Antenna Type : (U) Passive Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:01:01 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 42.9 dBi
1st Horz. Sidelobe Atten. : (U) 30.0 dB
1st Vert. Sidelobe Atten. : (U) 33.5 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 7.00 degrees
1st Vert. Pos. : (U) 9.00 degrees
Gain Fr. to Bk. : (U) 52.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 2.40 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL6-71W

Nomenclature : (U) PL6-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL6-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:58:07 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.3 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 23.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.20 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 48.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.80 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL12-71

Nomenclature : (U) PL12-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL12-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:14:16 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 46.0 dBi
1st Horz. Sidelobe Atten. : (U) 23.8 dB
1st Vert. Sidelobe Atten. : (U) 23.8 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 2.70 degrees
1st Vert. Pos. : (U) 2.70 degrees
Gain Fr. to Bk. : (U) 54.0 dB
Horz. Beamwidth : (U) 0.700 degrees
Vert. Beamwidth : (U) 0.700 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.70 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL10-71

Nomenclature : (U) PL10-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL10-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:09:27 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 44.5 dBi
1st Horz. Sidelobe Atten. : (U) 30.0 dB
1st Vert. Sidelobe Atten. : (U) 36.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.50 degrees
1st Vert. Pos. : (U) 11.7 degrees
Gain Fr. to Bk. : (U) 52.0 dB
Horz. Beamwidth : (U) 0.900 degrees
Vert. Beamwidth : (U) 0.900 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.00 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL8-71

Nomenclature : (U) PL8-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL8-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:22:38 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 42.5 dBi
1st Horz. Sidelobe Atten. : (U) 31.0 dB
1st Vert. Sidelobe Atten. : (U) 34.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 7.00 degrees
1st Vert. Pos. : (U) 10.0 degrees
Gain Fr. to Bk. : (U) 50.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 2.40 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL6-71

Nomenclature : (U) PL6-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL6-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:18:50 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.0 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 23.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.50 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 48.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.80 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL4-71

Nomenclature : (U) PL4-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL4-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 10:15:35 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 36.5 dBi
1st Horz. Sidelobe Atten. : (U) 21.5 dB
1st Vert. Sidelobe Atten. : (U) 21.5 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 6.50 degrees
1st Vert. Pos. : (U) 6.50 degrees
Gain Fr. to Bk. : (U) 45.0 dB
Horz. Beamwidth : (U) 2.20 degrees
Vert. Beamwidth : (U) 2.20 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.20 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP12-77

Nomenclature : (U) HP12-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP12-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:36:00 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 46.7 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 2.50 degrees
1st Vert. Pos. : (U) 2.50 degrees
Gain Fr. to Bk. : (U) 71.0 dB
Horz. Beamwidth : (U) 0.700 degrees
Vert. Beamwidth : (U) 0.700 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.70 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP10-77

Nomenclature : (U) HP10-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP10-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:35:17 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 45.2 dBi
1st Horz. Sidelobe Atten. : (U) 39.0 dB
1st Vert. Sidelobe Atten. : (U) 32.8 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 11.5 degrees
1st Vert. Pos. : (U) 9.00 degrees
Gain Fr. to Bk. : (U) 70.0 dB
Horz. Beamwidth : (U) 0.900 degrees
Vert. Beamwidth : (U) 0.900 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.00 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP8-77

Nomenclature : (U) HP8-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP8-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 9:56:31 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 43.3 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 3.20 degrees
1st Vert. Pos. : (U) 2.30 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 2.40 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP6-77

Nomenclature : (U) HP6-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP6-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 9:55:14 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.8 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 5.00 degrees
1st Vert. Pos. : (U) 5.00 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.80 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP4-77

Nomenclature : (U) HP4-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP4-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 9:51:17 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 37.2 dBi
1st Horz. Sidelobe Atten. : (U) 21.0 dB
1st Vert. Sidelobe Atten. : (U) 21.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 6.50 degrees
1st Vert. Pos. : (U) 6.50 degrees
Gain Fr. to Bk. : (U) 63.0 dB
Horz. Beamwidth : (U) 2.20 degrees
Vert. Beamwidth : (U) 2.20 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.20 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP12-71W

Nomenclature : (U) HP12-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP12-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 8:28:29 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 46.8 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 2.70 degrees
1st Vert. Pos. : (U) 2.70 degrees
Gain Fr. to Bk. : (U) 71.0 dB
Horz. Beamwidth : (U) 0.700 degrees
Vert. Beamwidth : (U) 0.700 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.70 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP10-71W

Nomenclature : (U) HP10-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP10-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:34:45 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 44.8 dBi
1st Horz. Sidelobe Atten. : (U) 39.4 dB
1st Vert. Sidelobe Atten. : (U) 31.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 11.8 degrees
1st Vert. Pos. : (U) 10.5 degrees
Gain Fr. to Bk. : (U) 70.0 dB
Horz. Beamwidth : (U) 0.900 degrees
Vert. Beamwidth : (U) 0.900 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.00 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP8-71W

Nomenclature : (U) HP8-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP8-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:37:23 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 42.9 dBi
1st Horz. Sidelobe Atten. : (U) 24.9 dB
1st Vert. Sidelobe Atten. : (U) 24.9 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 1.40 degrees
1st Vert. Pos. : (U) 1.40 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 2.10 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP6-71W

Nomenclature : (U) HP6-71W
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP6-71W
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:36:51 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.3 dBi
1st Horz. Sidelobe Atten. : (U) 24.9 dB
1st Vert. Sidelobe Atten. : (U) 24.9 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 5.50 degrees
1st Vert. Pos. : (U) 5.50 degrees
Gain Fr. to Bk. : (U) 66.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.80 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP12-71

Nomenclature : (U) HP12-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP12-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:35:39 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 46.0 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 2.50 degrees
1st Vert. Pos. : (U) 2.50 degrees
Gain Fr. to Bk. : (U) 71.0 dB
Horz. Beamwidth : (U) 1.80 degrees
Vert. Beamwidth : (U) 1.80 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.70 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP10-71

Nomenclature : (U) HP10-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP10-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:33:44 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 44.5 dBi
1st Horz. Sidelobe Atten. : (U) 39.0 dB
1st Vert. Sidelobe Atten. : (U) 31.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 11.0 degrees
1st Vert. Pos. : (U) 10.0 degrees
Gain Fr. to Bk. : (U) 70.0 dB
Horz. Beamwidth : (U) 0.900 degrees
Vert. Beamwidth : (U) 0.900 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.00 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP8-71

Nomenclature : (U) HP8-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP8-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 8:10:33 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 42.5 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 3.10 degrees
1st Vert. Pos. : (U) 3.10 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 2.40 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP6-71

Nomenclature : (U) HP6-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP6-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 8:09:27 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.0 dBi
1st Horz. Sidelobe Atten. : (U) 24.9 dB
1st Vert. Sidelobe Atten. : (U) 24.9 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 5.50 degrees
1st Vert. Pos. : (U) 3.20 degrees
Gain Fr. to Bk. : (U) 66.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.80 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA HP4-71

Nomenclature : (U) HP4-71
Manufacturer : (U) ANDREW CORP
Model Name : (U) HP4-71
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:36:22 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 36.2 dBi
1st Horz. Sidelobe Atten. : (U) 20.0 dB
1st Vert. Sidelobe Atten. : (U) 20.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 6.00 degrees
1st Vert. Pos. : (U) 6.00 degrees
Gain Fr. to Bk. : (U) 62.0 dB
Horz. Beamwidth : (U) 2.40 degrees
Vert. Beamwidth : (U) 2.40 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 1.20 m

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA DA12-W71A

Nomenclature : (U) DA12-W71A
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) DA12-W71A
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 7:28:40 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 47.0 dBi
1st Horz. Sidelobe Atten. : (U) 24.0 dB
1st Vert. Sidelobe Atten. : (U) 24.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 3.00 degrees
1st Vert. Pos. : (U) 3.00 degrees
Gain Fr. to Bk. : (U) 71.0 dB
Horz. Beamwidth : (U) 0.700 degrees
Vert. Beamwidth : (U) 0.700 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA DA8-71A

Nomenclature : (U) DA8-71A
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) DA8-71A
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:32:55 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 7750.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 43.0 dBi
1st Horz. Sidelobe Atten. : (U) 25.0 dB
1st Vert. Sidelobe Atten. : (U) 25.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 4.00 degrees
1st Vert. Pos. : (U) 4.00 degrees
Gain Fr. to Bk. : (U) 68.0 dB
Horz. Beamwidth : (U) 1.10 degrees
Vert. Beamwidth : (U) 1.10 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA DA6-W71B

Nomenclature : (U) DA6-W71B
Manufacturer : (U) RFS-RADIO FREQUENCY SYSTEMS
Model Name : (U) DA6-W71B
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 3:31:48 PM (GMT)
Lower Freq. Limit : (U) 7125.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 40.8 dBi
1st Horz. Sidelobe Atten. : (U) 26.0 dB
1st Vert. Sidelobe Atten. : (U) 26.0 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 5.00 degrees
1st Vert. Pos. : (U) 5.00 degrees
Gain Fr. to Bk. : (U) 62.0 dB
Horz. Beamwidth : (U) 1.50 degrees
Vert. Beamwidth : (U) 1.50 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed

FULL RECORD PRINT FOR Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios

ANTENNA PL12-77

Nomenclature : (U) PL12-77
Manufacturer : (U) ANDREW CORP
Model Name : (U) PL12-77
Antenna Type : (U) Parabolic Reflector
Antenna Category : Aperture
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 12/19/2012 11:57:44 AM (GMT)
Date/Time Last Mod. : 11/19/2012 11:23:06 PM (GMT)
Lower Freq. Limit : (U) 7750.000 MHz
Upper Freq. Limit : (U) 8500.000 MHz
Polarization : (U) Horizontal and Vertical
Main Beam Gain : (U) 46.7 dBi
1st Horz. Sidelobe Atten. : (U) 22.2 dB
1st Vert. Sidelobe Atten. : (U) 22.2 dB
Atten. Rel/Act : (U) Relative dB
1st Horz. Pos. : (U) 2.80 degrees
1st Vert. Pos. : (U) 2.80 degrees
Gain Fr. to Bk. : (U) 54.0 dB
Horz. Beamwidth : (U) 0.700 degrees
Vert. Beamwidth : (U) 0.700 degrees
Horz. Scan Type : (U) Fixed
Vert. Scan Type : (U) Fixed
Dish Diameter : (U) 3.70 m

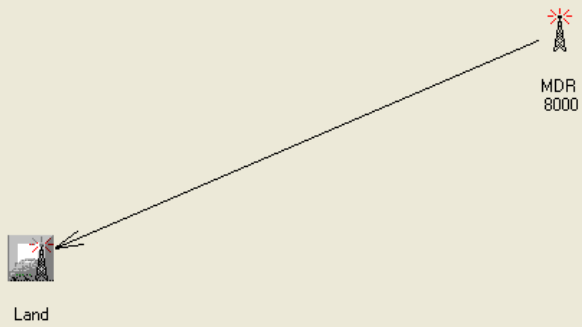
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Frequency List

Tx Station	Rx Station	Frequency (MHz)	Em. Des.	Radio Service	Stn. Classes
(U) MDR 8000	(U) Land	(U) 7125.000 - 8500.000	(U) 10M0D7W	Fixed	FX
			(U) 2M50D7W		
			(U) 30M0D7W		
			(U) 3M75D7W		
			(U) 5M00D7W		
			(U) 7M00D7W		
			(U) 7M50D7W		

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Line Diagram: Alcatel- Lucent MDR-8000 7/8 GHz Digital Radios



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