Alcatel·Lucent

9500 MPR RADIO
Equipment Identifier and FCC Type Number

Split Package ODU Equipment Designators

Channel Bandwidth	9500 MPR Equipment Identifier	FCC Rule	Frequency Range	Emission Designator	Frequency Tolerance	Transmit Power	Transmit Power @ PA Output
L6 GHz							
10 MHz	95MPR61-0128F10-53	101	5925-6425	10M0D7W	+/-10ppm	24.5 dBm	26.5 dBm
30 MHz	95MPR61-0128F30-160	101	5925-6425	30M0D7W	+/-10ppm	24.5 dBm	26.5 dBm
30 MHz	95MPR61-0256F30-183	101	5925-6425	30M0D7W	+/-10ppm	22.5 dBm	24.5 dBm
U6 GHz							
10 MHz	95MPR67-0128F10-53	101	6525-7125	10M0D7W	+/-10ppm	24.5 dBm	26.5 dBm
11 GHz							
10 MHz	95MPR11-0128F10-53	101	10700-11700	10M0D7W	+/-10ppm	20.0 dBm	22.0 dBm
30 MHz	95MPR11-0128F30-160	101	10700-11700	30M0D7W	+/-10ppm	20.0 dBm	22.0 dBm
30 MHz	95MPR11-0256F30-183	101	10700-11700	30M0D7W	+/-10ppm	18.0 dBm	20.0 dBm
40 MHz	95MPR11-032F40-152	101	10700-11700	40M0D7W	+/-10ppm	21.5 dBm	23.5 dBm
40 MHz	95MPR11-0128F40-214	101	10700-11700	40M0D7W	+/-10ppm	20.0 dBm	22.0 dBm
18 GHz							
10 MHz	95MPR18-0128F10-53	101	10700-11700	10M0D7W	+/-10ppm	16.0 dBm	18.0 dBm
30 MHz	95MPR18-032F30-114	101	10700-11700	30M0D7W	+/-10ppm	17.5 dBm	19.5 dBm
30 MHz	95MPR18-0128F30-160	101	10700-11700	30M0D7W	+/-10ppm	16.0 dBm	18.0 dBm
40 MHz	95MPR18-032F40-152	101	10700-11700	40M0D7W	+/-10ppm	17.5 dBm	19.5 dBm
40 MHz	95MPR18-0128F40-214	101	10700-11700	40M0D7W	+/-10ppm	16.5 dBm	18.5 dBm
50 MHz	95MPR18-032F50-191	101	10700-11700	50M0D7W	+/-10ppm	17.5 dBm	19.5 dBm
50 MHz	95MPR18-0128F50-267	101	10700-11700	50M0D7W	+/-10ppm	16.0 dBm	18.0 dBm
23 GHz							
10 MHz	95MPR23-0128F10-53	101	10700-11700	10M0D7W	+/-10ppm	16.0 dBm	18.0 dBm
30 MHz	95MPR23-032F30-114	101	10700-11700	30M0D7W	+/-10ppm	17.5 dBm	19.5 dBm
30 MHz	95MPR23-0128F30-160	101	10700-11700	30M0D7W	+/-10ppm	16.0 dBm	18.0 dBm
40 MHz	95MPR23-032F40-152	101	10700-11700	40M0D7W	+/-10ppm	17.5 dBm	19.5 dBm
40 MHz	95MPR23-0128F40-214	101	10700-11700	40M0D7W	+/-10ppm	16.0 dBm	18.0 dBm
50 MHz	95MPR23-032F50-191	101	10700-11700	50M0D7W	+/-10ppm	17.5 dBm	19.5 dBm
50 MHz	95MPR23-0128F50-267	101	10700-11700	50M0D7W	+/-10ppm	16.0 dBm	18.0 dBm

Transceiver Shelf Equipment Designators

Channel Bandwidth	9500 MPR Equipment Identifier	FCC Rule	Frequency Range	Emission Designator	Frequency Tolerance	Transmit Power MPT-HL Output
L6 GHz						
5 MHz	95MPR61-H32F5-18	101	5925-6425	5M0D7W	+/-10ppm	32.0 dBm
5 MHz	95MPR61-H128F5-26	101	5925-6425	5M0D7W	+/-10ppm	31.0 dBm
10 MHz	95MPR61-H32F10-37	101	5925-6425	10M0D7W	+/-10ppm	32.0 dBm
10 MHz	95MPR61-H128F10-53	101	5925-6425	10M0D7W	+/-10ppm	31.0 dBm
30 MHz	95MPR61-H32F30-114	101	5925-6425	30M0D7W	+/-10ppm	32.0 dBm
30 MHz	95MPR61-H128F30-160	101	5925-6425	30M0D7W	+/-10ppm	31.0 dBm
30 MHz	95MPR61-H256F30-183	101	5925-6425	30M0D7W	+/-10ppm	28.0 dBm
U6 GHz						
5 MHz	95MPR67-H32F5-18	101	6525-7125	5M0D7W	+/-10ppm	32.0 dBm
5 MHz	95MPR67-H128F5-26	101	6525-7125	5M0D7W	+/-10ppm	31.0 dBm
10 MHz	95MPR67-H32F10-37	101	6525-7125	10M0D7W	+/-10ppm	32.0 dBm
10 MHz	95MPR67-H128F10-53	101	6525-7125	10M0D7W	+/-10ppm	31.0 dBm
10.5 GHz						
10 MHz	95MPR10-H128F5-26	101	10550-10680	5M0D7W	+/-10ppm	29.0 dBm
11 GHz						
5 MHz	95MPR11-H128F5-26	101	10700-11700	5M0D7W	+/-10ppm	29.0 dBm
10 MHz	95MPR11-H128F10-53	101	10700-11700	10M0D7W	+/-10ppm	29.0 dBm
30 MHz	95MPR11-H128F30-160	101	10700-11700	30M0D7W	+/-10ppm	29.0 dBm
30 MHz	95MPR11-H256F30-183	101	10700-11700	30M0D7W	+/-10ppm	26.0 dBm

Transceiver Shelf Equipment Designators

Channel Bandwidth	9500 MPR FCC Type Number	Modulation Bandwidth	FCC Rule	Frequency Range	Emission Designator	Frequency Tolerance	Transmit Power MPT-HL Output
5U GHz							
5 MHz	JF6-9558H	32QAM 5MHz	15	5725-5850	5M0D7W	+/-10ppm	31.0 dBm
5 MHz	JF6-9558H	128QAM 5MHz	15	5725-5850	5M0D7W	+/-10ppm	31.0 dBm
10 MHz	JF6-9558H	32QAM 10MHz	15	5725-5850	10M0D7W	+/-10ppm	31.0 dBm
10 MHz	JF6-9558H	128QAM 10MHz	15	5725-5850	10M0D7W	+/-10ppm	31.0 dBm
30 MHz	JF6-9558H	32QAM 30MHz	15	5725-5850	30M0D7W	+/-10ppm	31.0 dBm
30 MHz	JF6-9558H	128QAM 30MHz	15	5725-5850	30M0D7W	+/-10ppm	31.0 dBm
30 MHz	JF6-9558H	256QAM 30MHz	15	5725-5850	30M0D7W	+/-10ppm	28.0 dBm

Equipment Identifiers

1701. Equipment Identifiers are required for all radios, either ODU for split package, or MPT-HL Transceivers for indoor radio applications.

1702. All Part 101 radios require Equipment I.D, and Part 15 Unlicensed radios require FCC Type Acceptance labels as defined by the FCC. Both versions are defined by the 9500 MPR naming convention as shown below.

1703. The Unlicensed band MPT-HL shelves require an FCC Device Compliancy label and an FCC I.D. label. The FCC I.D. label mounts on top of the shelf. See placement diagram below.

1704. Power output for the MPT-HL shelf is defined at the transceiver connector output. Filter insertion loss plus RF switch and cable loss must be subtracted from the power output value shown in the tables.

9500 MPR Naming Convention

95MPR61-0256F30-183

- Data Payload Capacity: 9, 12, 18, 26, 37, 48, 53, 76, 98, 100, 106, 114, 149, 152, 160, 183, 191, 199, 214, 268 (Mbps), and GE.
- RF Bandwidth: 2.5MHz, 3.5MHz, 5MHz, 7MHz, 10MHz, 20MHz, 30MHz, 40MHz, 50MHz, 140MHz, 14K.
- A=Adaptive Modulation, F=Fixed Modulation.
- Modulation Scheme: 4=4QAM, 16=16QAM, 32=32QAM, 64=64QAM, 128=128QAM, 256=256QAM, B=BFSK
- O=Outdoor, H=MPT-HL, M=MPT-MS (Future), G=MPT-GE (Future)
- Frequency Band: 58=5.725-5.850, 61=5.925-6.425, 67=6.525-7.125, 08=7.125-8.500, 10=10.550-10.680, 11=10.700-11.700, 15=14.500-15.350, 18=17.700-19.700, 23=21.200-23.600, 26=24.500-27.000, 80=71.000-86.000
- Microwave Packet Radio

Label P/N 3EM11523AA

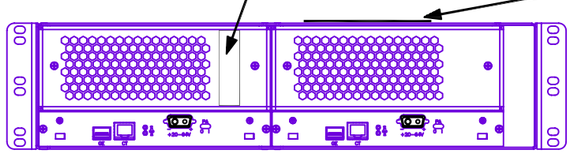
This device complies with Part 15 of the FCC Rules and IC RSS-210. Operation is subject to the following three conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation. (3) This device must be professionally installed.

MADE IN USA

Note 1703

FCC I.D. JF6-9558H
CANADA:
Alcatel-Lucent

Note 1703



MPT-HL Shelf

System Application Rules

ED	04	05/08/09		
ALCATEL LUCENT N.A.	System Application Rules		3EM 22784 0000 BGZZA	17