

EUT MagnaStar

8A7

EUT SN MSA5888

Power Output_ 9.6 W.

117.2 dBuV/m

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Tester Vince SutterDate 19 June 2002EUT MagnaStarWitness Jim HopkinsDate 19 June 2002EUT SN MSA5888Transmitter f_o 895.9015 MHzPower Output 9.6 W.Reference Field Strength (E_{ref}) 117.2 dBuV/m

Emission Frequency (MHz)	Resolution/ Video Band-width	Antenna Polarization	Signal Substitution Level (E _{SUB} , dBuV)	Cable/ Atten. Loss (C/A, dB)	Antenna Factor (AF, dB/m)	Radiated Spurious Response Attenuation (ATTEN, dB)
*895.9015	300	H	28.8	3.9	28.9	55.6
*895.9015	300	V	24.9	3.9	29.4	59.0
*Note: This emission is the transmit signal and not considered spurious.						
217.0900	30kHz	H	18.5	1.8	16.8	80.1
217.0900	30kHz	V	3	1.8	16.8	95.6
215.0000	30kHz	H	21.5	1.8	16.5	77.4
215.0000	30kHz	V	< 5			
192.5200	30kHz	H	15.5	1.5	14.4	85.8
192.5200	30kHz	V	< 5			
79.8000	30kHz	H	25.5	1.1	6.1	84.5
79.8000	30kHz	V	< 5			
43.0000	30kHz	H	21.5	0.7	12.4	82.6
43.0000	30kHz	V	< 5			
38.9000	30kHz	H	25.7	0.7	12.4	78.4
38.9000	30kHz	V	< 5			

TEST EQUIPMENT INVENTORY

Project: MagnaStar

Date: 19 JUNE 2002

Test: Transmitter Spurious Emissions

Tester:



Manufacturer	Model	Description	Raytheon Asset Number	Calibration	
				On	Due
HP	70000	Spectrum Analyzer	55842-13	3/4/02	3/02/03
HP	8482A	Power Sensor	3177-24	4/18/02	4/17/03
HP	437B	Power Meter	58858-4	4/19/02	4/18/03
HP	3478A	Multimeter	45551-182	3/20/02	3/19/03
HP	8568B	Spectrum Analyzer	58459-1	10/23/01	10/22/02
HP	85685A	RF Preselector	55612-2	10/16/01	10/15/02
HP	85650A	Quasi-Peak Detector	33302-1	10/25/01	10/24/02
HP	8642B	Signal Generator	25585-58	8/20/01	8/19/02
HP	8673E	Signal Generator	53517-1	12/04/01	12/03/02
Compliance Design	B100	Biconical Antenna (30-180 MHz)	30613-2	5/16/02	5/15/03
Compliance Design	B200	Biconical Antenna (180-400 MHz)	30613-5	5/29/02	5/28/03
Compliance Design	B300	Biconical Antenna (400-1000 MHz)	30613-6	5/29/02	5/28/03
Alan	50SP6N	6 dB Attenuator	EX-16090	11/12/01	11/11/02
Alan	50SP6N	6 dB Attenuator	EX-16405	4/09/02	10/08/02
Weinschel Eng.	44-3	3 dB Attenuator	EX-9968	4/09/02	10/08/02
Bird	8321	30 dB PAD	R1179	1/21/02	1/20/03
JFW	50FH-10-50	10 dB PAD		NCR	NCR
JFW	50FH-20-50	20 dB PAD		NCR	NCR
Roberts Antenna		Di-Pole Antenna	30613-1	NCR	NCR
Roberts Antenna		Di-Pole Antenna	31875-1	NCR	NCR
Termaline		Coaxial Resistor	EX8620	NCR	NCR

NCR = No Calibration Required

Data:
Frequency Stability