LAMPIRAN A

Pengukuran *Return Loss*

Sweep Generator dan Scalar Network Analyzer

Konfigurasi Pengukuran *Return Loss*

Pengukuran *Return Loss* Antena *Double Cross Dipol*

LAMPIRAN B

Pengukuran Pola Radiasi

Antena Dipol Pemancar Dipasang Vertikal

Antena Dipol Pemancar Dipasang Horizontal

Antena *Double Cross Dipol* Dipasang Horizontal (Tidur)

Generator Sinyal

Pengukur Daya Terima

Rotator untuk Pengukuran Pola Radiasi

Pengukuran Pola Radiasi

LAMPIRAN C

Spesifikasi Radio

DJ-596T/E MKII
Dual Band Handi-Transceivers

Specifications

General		
Frequency range	E:TX&RX	144-145.995MHz 430-439.995MHz
	T:	TX: 144-147.995MHz / 420-449.995MHz RX: 136-173.995MHz / 400-511.995MHz
Operating mode	F2(1200bps)/8K50F3E/16k0F3E/F1E(Op: digital)	
Channel steps	5, 10, 12.5, 15, 20, 25, 30KHz	

Memory channel	100 channels + 2 quick recall (CALL)
Antenna Connector	BNC (50ohm unbalanced)
Frequency stability	+/- 2.5ppm TCXO
Power supply requirement	6.0 - 15.0V DC negative ground
Current drain	Approx. 1.2A TX VHF at 13.8V DC Approx. 1.4A TX UHF at 13.8V DC Approx. 75mA squelched Approx. 25mA battery save ON
Usable temperature range	-10 - +60c (14 - 140F)
Dimensions (w/o projection EBP-50N battery included)	56mm(W) x 124mm(H) x 36.5mm(D) 2.2"(W) x 4.88"(H) x 1.44"(D)
Weight	Approx. 310g (11oz) with EBP-50N and EA98 whip antenna
CTCSS tone	encoder/decoder 39 tones
Digital Coded Squelch	encoder/decoder 104 codes
Transmitter	
Output power	Approx. 5W at 13.8V DC V/UHF Approx. 4.5W VHF with 9.6V packs Approx. 4.0W UHF with 9.6V packs Approx. 2.5W V/UHF with EBP-56N Approx. 0.8W Low position V/UHF

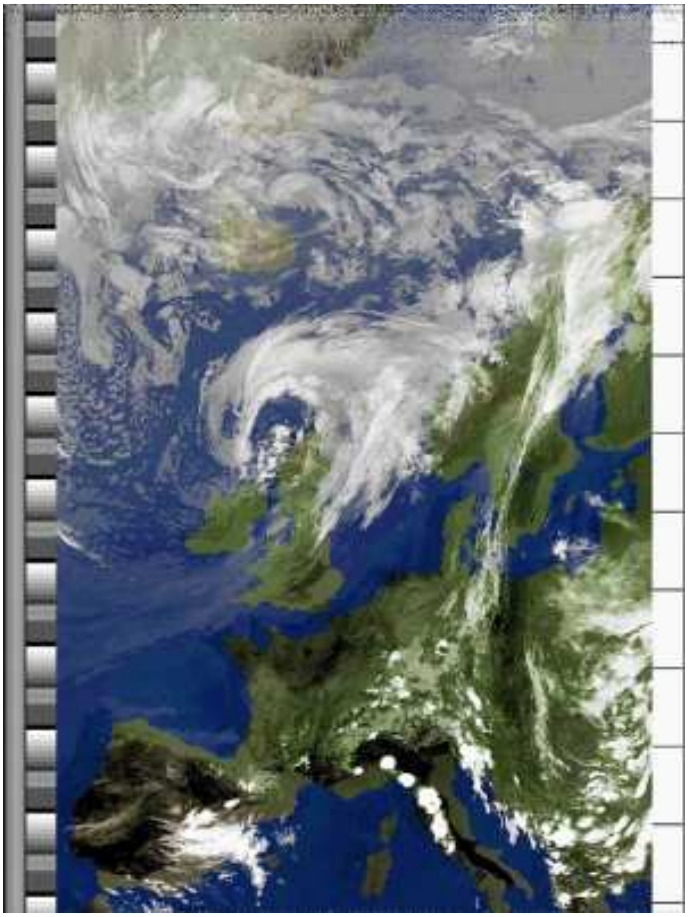
Modulation system	Variable reactance frequency modulation
Spurious emission	Less than -60 dB
Maximum frequency deviation	+/- 5 KHz
Receiver	
Receive system	Double-conversion superheterodyne
Sensitivity (-12dB SINAD)	Less than -15.0dBu
Selectivity	-6dB: 12KHz or more -60dB: 30KHz or less
Audio output power	More than 200mW(8ohm 10%THD)
Optional Accessories	
Battery Packs	EBP-50N Ni-MH High 9.6V 700mA (1) EBP-51N Ni-MH High 9.6V 1500mA (2) EBP-56N Li-Ion Mid 7.4V 1000mA (3)
Charger	EDC-93 Trickle charger / 120V for (1) & (2) EDC-94 Trickle charger / 220V for (1) & (2) * Trickle charger not available for (4)
Rapid Charger	EDC-97 Ni-MH charger (120V) for (1) & (2) EDC-97E Ni-MH charger (240V) for (1) & (2) EDC-111 Li-ION charger (120V) for (3) EDC-111E Li-ION charger (240V) for (3)
Cables	EDC-36 Mobile DC cable with a noise-filter EDC-43 Mobile DC cable

	EDC-37 External DC power cable
Microphones	EMS-59 Speaker-microphone EMS-47 Speaker-microphone EME-4 Earphone-microphone EME-20 Earphone-microphone
Headsets	EME-12A earpiece with VOX EME-13A speaker with VOX EME-15A earpiece/tie-pin mic with VOX
Earphones	EME-6 earphone
Mobile brackets	EBC-6 Door-bracket
Softcase	ESC-36 Softcase for (1) & (2)
Units	EJ-47U digital-voice modulation unit

LAMPIRAN D

Contoh Lain

Hasil Output *WxtoImg*



NOAA 18 weather satellite images Western Europe

Sumber :

http://www.oz9aec.net/index.php/gnu-radio/gnu-radio-blog/350-noaaweather-satellite-reception-with-gnu-radio-and-usrp.

NOAA 18 weather satellite images recorded at Microtelecom - Udine, Italy

Sumber :

http://microtelecom.it/perseus/wxtoimg/noaa-15-07091500-mcir-thumb.jpg

LAMPIRAN E

Frekuensi

Satelit NOAA

NOAA Satellite and Information Service
National Environmental Satellite, Data, and Information Service (NESDIS)

Office of Satellite Operations

Office of Satellite Operations

NESDIS | Spacecraft Summary Page | FILTER

NOAA 15 Spacecraft Status Summary

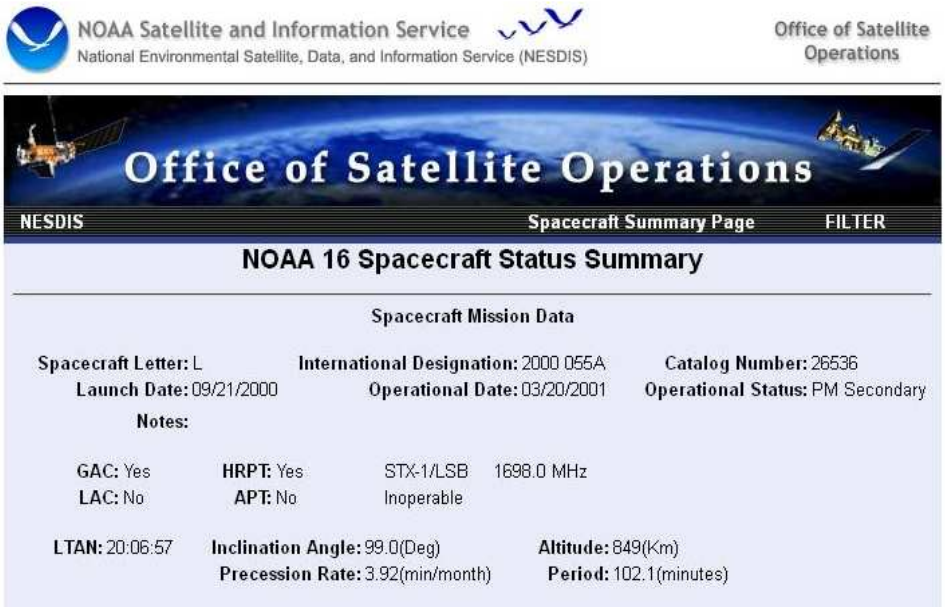
Spacecraft Mission Data

Spacecraft Letter: K **International Designation:** 1998 030A **Catalog Number:** 25338
Launch Date: 05/13/1998 **Operational Date:** 12/15/1998 **Operational Status:** AM Secondary

Notes: AMSU B Scan Motor stalled on March 28, 2011 recovery effort on going. HIRS Filter Wheel stalled on May 31, 2009 recovery effort on going.

GAC: Yes **HRPT:** Yes STX-2/MSB 1702.5 MHz
LAC: No **APT:** Yes VTX-2 137.62 MHz

LTAN: 16:38:51 **Inclination Angle:** 98.5(Deg) **Altitude:** 807(Km)
Precession Rate: 0.37(min/month) **Period:** 101.1(minutes)



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NOAA 16 Spacecraft Status Summary

Spacecraft Mission Data

Spacecraft Letter: L **International Designation:** 2000 055A **Catalog Number:** 26536
Launch Date: 09/21/2000 **Operational Date:** 03/20/2001 **Operational Status:** PM Secondary

Notes:

GAC: Yes **HRPT:** Yes STX-1/LSB 1698.0 MHz
LAC: No **APT:** No Inoperable

LTAN: 20:06:57 **Inclination Angle:** 99.0(Deg) **Altitude:** 849(Km)
Precession Rate: 3.92(min/month) **Period:** 102.1(minutes)

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NOAA 17 Spacecraft Status Summary

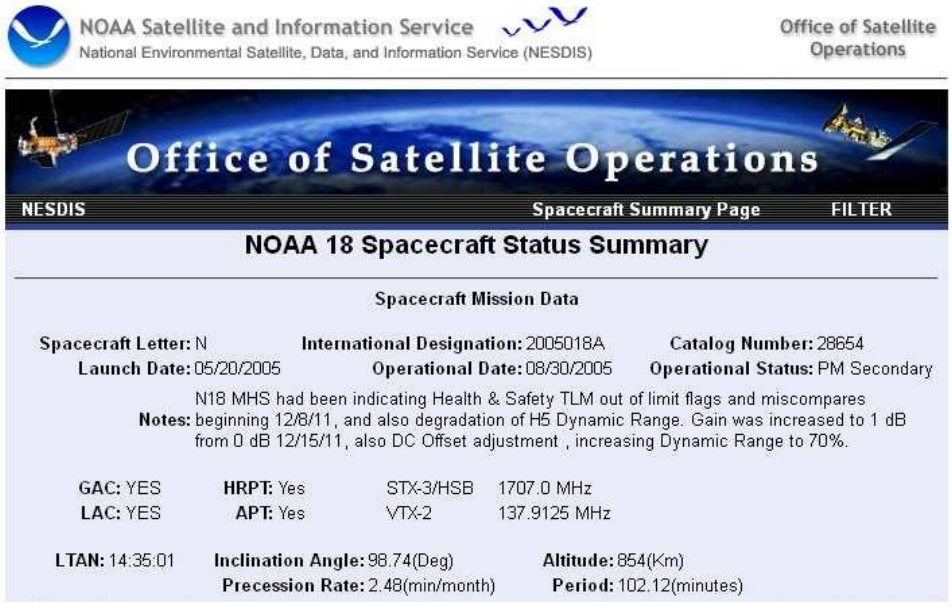
Spacecraft Mission Data

Spacecraft Letter: M **International Designation:** 2002 032A **Catalog Number:** 27453
Launch Date: 06/24/2002 **Operational Date:** 10/15/2002 **Operational Status:** AM Backup

Notes: NOAA-17 AVHRR scan motor operation became erratic on Sep. 28 often indicating motor current saturating to 271 mA. It finally ceased to operate indicatting a stall condition at 271 mA on Oct.15, 2010.

GAC: Yes **HRPT:** Yes STX-1/LSB 1698.0 MHz
LAC: No **APT:** Yes VTX-1 137.5 MZ

LTAN: 19:38:55 **Inclination Angle:** 98.7(Deg) **Altitude:** 810(Km)
Precession Rate: -4.28(min/month) **Period:** 101.2(minutes)



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NOAA 18 Spacecraft Status Summary

Spacecraft Mission Data

Spacecraft Letter: N **International Designation:** 2005018A **Catalog Number:** 28654
Launch Date: 05/20/2005 **Operational Date:** 08/30/2005 **Operational Status:** PM Secondary

Notes: N18 MHS had been indicating Health & Safety TLM out of limit flags and miscompares beginning 12/8/11, and also degradation of H5 Dynamic Range. Gain was increased to 1 dB from 0 dB 12/15/11, also DC Offset adjustment , increasing Dynamic Range to 70%.

GAC: YES **HRPT:** Yes STX-3/HSB 1707.0 MHz
LAC: YES **APT:** Yes VTX-2 137.9125 MHz

LTAN: 14:35:01 **Inclination Angle:** 98.74(Deg) **Altitude:** 854(Km)
Precession Rate: 2.48(min/month) **Period:** 102.12(minutes)

Sumber: http://www.oso.noaa.gov/poesstatus/