

FCC Part 22/24 Compliance Test Report

Test Report no.:	Cph_FCC_0518_01.doc	Date of Report:	2005/05/03
Number of pages:	19	Customer's Contact person:	Thomas Reitmayer

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FCC listing no.: 99059
IC recognition no.: 4820 and 4820-1

Tested devices/ accessories: **6 variants of the RM-76 Cellular Phone incl. accessories**

FCC ID:	PPIRM-76	IC:	661U-RM76
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Supplement reports:

Testing has been carried out in accordance with: CFR 47, FCC rules Parts 22 and 24, TIA-603-B-2002 and IC standards RSS-132 and RSS-133. Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".

Documentation: The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.

Test Results: **The EUT complies with the requirements in respect of all parameters subject to the test.**
The test results relate only to devices specified in this document.

Date and signature for the contents:

2005/05/03



Ruben Hansen
EMC Team Leader

1. Summary for FCC Part 22/24 Compliance Test Report

Date of receipt	21-03-2005
Testing completed	30-03-2005
The customer's contact person	Thomas Reitmayer
Test Plan referred to	\\EMC\TESTPLAN\
Notes	None
Document name	\\satcc01nmp\tcc_salo\Projects\RM-76\results\emc\FCC\Cph_FCC_0518_01.doc

1.1. EUT and Accessory Information

The EUT's are a triple band (GSM900/1800/1900) mobile phone with GPRS and EGPRS. The EUT's were tested with maximum rated TX power.

1.1.1 DUT#28746

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-76	004400/63/176548/2	3850	-	3.03	28746
Battery	BL-4C	067038610717244111	-	-	-	28752
Headset	HS-6	175	2.1	2.2	2.2	28767
Charger	AC-3	0675370409049M026 01 0000224	1.1	0.3	-	28736

1.1.2 DUT#28747

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-76	004400/63/177401/3	3851	-	3.03	28747
Battery	BL-4C	067038610717244111	-	-	-	28753
Headset	HS-6	175	2.1	2.2	2.2	28767
Charger	AC-3	0675370409049M026 01 0000224	1.1	0.3	-	28736

1.1.3 DUT#28748

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-76	004400/63/176470/9	3850	-	3.03	28748
Battery	BL-4C	067038610717243511	-	-	-	28752
Headset	HS-6	175	2.1	2.2	2.2	28767
Charger	AC-3	0675370409049M026 01 0000224	1.1	0.3	-	28736

1.1.4 DUT#28749

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-76	004400/63/177322/1	3851		3.03	28749
Battery	BL-4C	067038610717244111	-	-	-	28756
Headset	HS-6	175	2.1	2.2	2.2	28767
Charger	AC-3	0675370409049M026 01 0000224	1.1	0.3	-	28736

1.1.5 DUT#28750

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-76	004400/63/176569/8	3880		3.03	28750
Battery	BL-4C	067038610717244311	-	-	-	28757
Headset	HS-6	175	2.1	2.2	2.2	28767
Charger	AC-3	0675370409049M026 01 0000224	1.1	0.3	-	28736

1.1.6 DUT#28751

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-76	004400/63/176739/7	3881		3.03	28751
Battery	BL-4C	067038610717243511	-	-	-	28755
Headset	HS-6	175	2.1	2.2	2.2	28767
Charger	AC-3	0675370409049M026 01 0000224	1.1	0.3	-	28736

1.2. Summary of Test Results, all DUT's

GSM 1900:

Section in CFR 47	Section in RSS-133	Name of the test	Result
§2.1046(a)	6.2	Conducted RF output power	NP
§24.232(b)	6.2	Radiated RF output power	Passed
§2.1049(h)	5.6	99 % occupied bandwidth	NP
§24.238(a)	6.3	Band edge compliance	NP
§24.238(a), §2.1051	6.3	Spurious emissions at antenna terminals	NP
§24.238(a), §2.1053	6.3	Spurious radiated emissions	NP
§2.1055(a)	7	Frequency stability, temperature variation	NP
§2.1055(d)	7	Frequency stability, voltage variation	NP

PASSED

FAILED

NP

The EUT complies with the essential requirements in the standard.

The EUT does not comply with the essential requirements in the standard.

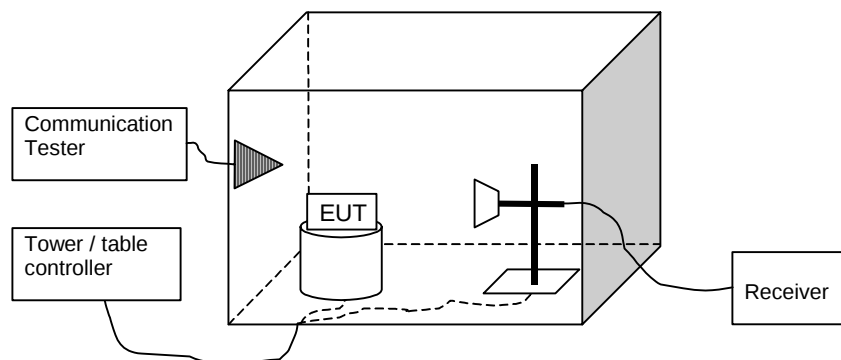
The test was not performed by the TCC Nokia Copenhagen Laboratory.

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2. Radiated RF output power (FCC §22.913(a), §24.232(b), RSS-132 6.4, RSS-133 6.2)

2.1. Test setup



2.2. Test method and limit

The measurement is made according to TIA-603-B-2002 as follows:

The measurement is performed in the Anechoic Chamber with absorbers on the floor and measuring antenna at fixed height using 2-axis EUT position system. The turntable is rotated 360 degrees and this is repeated for both horizontal and vertical receive antenna polarizations.

The EUT is placed on a nonconductive plate at 170 cm height.

The substitution method is used. Substitution values at each frequencies are measured beforehand and saved to the test software.

The substitution corrections are obtained as described below:

$$A_{SUBST} = P_{SUBST_TX} - P_{SUBST_RX} - L_{SUBST_CABLES} + G_{SUBST_TX_ANT}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain. P_{SUBST_TX} is signal generator level, P_{SUBST_RX} is receiver level, L_{SUBST_CABLES} is cable losses including both TX and RX cables and $G_{SUBST_TX_ANT}$ is substitution antenna gain.

The measurement results are obtained as described below:

$$P [dBm] = P_{MEAS} + A_{CORRECTIONS}$$

Where P_{MEAS} is receiver reading in dBm and $A_{CORRECTIONS}$ is combined correction factor including cable loss and substitution correction ($A_{CORRECTIONS} = L_{CABLES} + A_{SUBST}$).

Limits for radiated RF output power measurements

Frequency range / MHz	Limit / W	Limit / dBm
824 - 849	7	38.5
1850 - 1910	2	33

2.3. GSM 1900 Test results dut#28746

EUT with DUT number	RM-76 dut#28746
Accessories with DUT numbers	BL-4C dut#28752, AC-3 dut#28736, HS-6 dut#28767
Result	Passed
Remarks	V-1
Temp °C / Humidity RH % / Air Pressure mbar	19.5°C / 48.0 %RH / 1034 mbar
Date of measurements	March 21 st 2005
Measured by	Jesper Nielsen

GSM mode – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.10	1.023	47.50	HORIZONTAL	Passed
661	1880.000000	28.70	0.741	45.90	HORIZONTAL	Passed
810	1909.800000	30.00	1.000	46.60	HORIZONTAL	Passed

GSM mode – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.20	1.047	47.50	HORIZONTAL	Passed
661	1880.000000	30.30	1.072	46.40	VERTICAL	Passed
810	1909.800000	30.00	1.000	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.80	0.759	47.50	HORIZONTAL	Passed
661	1880.000000	27.60	0.575	45.90	HORIZONTAL	Passed
810	1909.800000	29.10	0.813	46.60	HORIZONTAL	Passed

GPRS mode, 2 TX Slots – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.30	0.851	46.70	VERTICAL	Passed
661	1880.000000	29.10	0.813	46.40	VERTICAL	Passed
810	1909.800000	28.90	0.776	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.00	0.631	47.50	HORIZONTAL	Passed
661	1880.000000	26.60	0.457	45.90	HORIZONTAL	Passed
810	1909.800000	27.80	0.603	46.60	HORIZONTAL	Passed

EGPRS mode, 1 TX Slot – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.50	0.708	46.70	VERTICAL	Passed
661	1880.000000	28.40	0.692	46.40	VERTICAL	Passed
810	1909.800000	27.40	0.550	46.40	VERTICAL	Passed

2.4. GSM 1900 Test results dut#28747

EUT with DUT number	RM-76 dut#28747
Accessories with DUT numbers	BL-4C dut#28753, AC-3 dut#28736, HS-6 dut#28767
Result	Passed
Remarks	V-2
Temp °C / Humidity RH % / Air Pressure mbar	19.7°C / 38.5 %RH / 1034 mbar
Date of measurements	March 22 nd 2005
Measured by	Jesper Nielsen

GSM mode – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	31.00	1.259	47.50	HORIZONTAL	Passed
661	1880.000000	30.00	1.000	45.90	HORIZONTAL	Passed
810	1909.800000	30.60	1.148	46.60	HORIZONTAL	Passed

GSM mode – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.60	1.148	46.70	VERTICAL	Passed
661	1880.000000	30.60	1.148	46.40	VERTICAL	Passed
810	1909.800000	30.40	1.096	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.80	0.955	47.50	HORIZONTAL	Passed
661	1880.000000	28.70	0.741	45.90	HORIZONTAL	Passed
810	1909.800000	29.40	0.871	46.60	HORIZONTAL	Passed

GPRS mode, 2 TX Slots – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.40	0.871	46.70	VERTICAL	Passed
661	1880.000000	29.50	0.891	46.40	VERTICAL	Passed
810	1909.800000	29.40	0.871	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.00	0.794	47.50	HORIZONTAL	Passed
661	1880.000000	27.40	0.550	45.90	HORIZONTAL	Passed
810	1909.800000	26.90	0.490	46.60	HORIZONTAL	Passed

EGPRS mode, 1 TX Slot – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.70	0.741	46.70	VERTICAL	Passed
661	1880.000000	28.20	0.661	46.40	VERTICAL	Passed
810	1909.800000	27.50	0.562	46.40	VERTICAL	Passed

2.5. GSM 1900 Test results dut#28748

EUT with DUT number	RM-76 dut#28748
Accessories with DUT numbers	BL-4C dut#28754, AC-3 dut#28736, HS-6 dut#28767
Result	Passed
Remarks	V-3
Temp °C / Humidity RH % / Air Pressure mbar	19.5°C / 48.0 %RH / 1034 mbar
Date of measurements	March 23 rd 2005
Measured by	Jesper Nielsen

GSM mode – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.80	1.202	47.50	HORIZONTAL	Passed
661	1880.000000	29.70	0.933	45.90	HORIZONTAL	Passed
810	1909.800000	30.40	1.096	46.60	HORIZONTAL	Passed

GSM mode – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	31.60	1.445	47.50	HORIZONTAL	Passed
661	1880.000000	31.00	1.259	46.40	VERTICAL	Passed
810	1909.800000	31.10	1.288	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.30	0.851	47.50	HORIZONTAL	Passed
661	1880.000000	28.60	0.724	45.90	HORIZONTAL	Passed
810	1909.800000	29.20	0.832	46.60	HORIZONTAL	Passed

GPRS mode, 2 TX Slots – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.00	1.000	47.50	HORIZONTAL	Passed
661	1880.000000	30.00	1.000	46.40	VERTICAL	Passed
810	1909.800000	30.20	1.047	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.80	0.759	47.50	HORIZONTAL	Passed
661	1880.000000	27.70	0.589	45.90	HORIZONTAL	Passed
810	1909.800000	28.10	0.646	46.60	HORIZONTAL	Passed

EGPRS mode, 1 TX Slot – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.20	0.832	47.50	HORIZONTAL	Passed
661	1880.000000	29.10	0.813	46.40	VERTICAL	Passed
810	1909.800000	26.30	0.427	46.40	VERTICAL	Passed

2.6. GSM 1900 Test results dut#28749

EUT with DUT number	RM-76 dut#28749
Accessories with DUT numbers	BL-4C dut#28756, AC-3 dut#28736, HS-6 dut#28767
Result	Passed
Remarks	V-4
Temp °C / Humidity RH % / Air Pressure mbar	19.9°C / 42.0 %RH / 1034 mbar
Date of measurements	March 23 rd 2005
Measured by	Christian Andersen

GSM mode – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.80	1.202	46.70	VERTICAL	Passed
661	1880.000000	31.00	1.259	46.40	VERTICAL	Passed
810	1909.800000	30.40	1.096	46.40	VERTICAL	Passed

GSM mode – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.00	1.000	47.50	HORIZONTAL	Passed
661	1880.000000	30.30	1.072	45.90	HORIZONTAL	Passed
810	1909.800000	28.90	0.776	46.60	HORIZONTAL	Passed

GPRS mode, 2 TX Slots – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.40	0.871	46.70	VERTICAL	Passed
661	1880.000000	30.00	1.000	46.40	VERTICAL	Passed
810	1909.800000	29.40	0.871	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.00	0.794	47.50	HORIZONTAL	Passed
661	1880.000000	30.00	1.000	45.90	HORIZONTAL	Passed
810	1909.800000	29.30	0.851	46.60	HORIZONTAL	Passed

EGPRS mode, 1 TX Slot – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.10	0.813	46.70	VERTICAL	Passed
661	1880.000000	29.00	0.794	46.40	VERTICAL	Passed
810	1909.800000	27.50	0.562	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.60	0.724	47.50	HORIZONTAL	Passed
661	1880.000000	28.70	0.741	45.90	HORIZONTAL	Passed
810	1909.800000	26.10	0.407	46.60	HORIZONTAL	Passed

2.7. GSM 1900 Test results dut#28750

EUT with DUT number	RM-76 dut#28750
Accessories with DUT numbers	BL-4C dut#28757, AC-3 dut#28736, HS-6 dut#28767
Result	Passed
Remarks	V-5
Temp °C / Humidity RH % / Air Pressure mbar	20.1°C / 39.0 %RH / 1028 mbar
Date of measurements	March 29 nd 2005
Measured by	Christian Andersen

GSM mode – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	32.00	1.585	46.70	VERTICAL	Passed
661	1880.000000	31.50	1.413	46.40	VERTICAL	Passed
810	1909.800000	32.20	1.660	46.40	VERTICAL	Passed

GSM mode – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	31.30	1.349	47.50	HORIZONTAL	Passed
661	1880.000000	29.90	0.977	45.90	HORIZONTAL	Passed
810	1909.800000	28.40	0.692	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.80	1.202	46.70	VERTICAL	Passed
661	1880.000000	30.10	1.023	46.40	VERTICAL	Passed
810	1909.800000	31.30	1.349	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.00	1.000	47.50	HORIZONTAL	Passed
661	1880.000000	29.00	0.794	45.90	HORIZONTAL	Passed
810	1909.800000	27.30	0.537	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.80	0.955	46.70	VERTICAL	Passed
661	1880.000000	29.00	0.794	46.40	VERTICAL	Passed
810	1909.800000	30.00	1.000	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.20	0.832	47.50	HORIZONTAL	Passed
661	1880.000000	28.10	0.646	45.90	HORIZONTAL	Passed
810	1909.800000	26.10	0.407	46.40	VERTICAL	Passed

2.8. GSM 1900 Test results dut#28751

EUT with DUT number	RM-76 dut#28751
Accessories with DUT numbers	BL-4C dut#28755, AC-3 dut#28736, HS-6 dut#28767
Result	Passed
Remarks	V-6
Temp °C / Humidity RH % / Air Pressure mbar	19.9°C / 42.0 %RH / 1043 mbar
Date of measurements	March 23 rd 2005
Measured by	Christian Andersen

GSM mode – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	31.40	1.380	46.70	VERTICAL	Passed
661	1880.000000	31.50	1.413	46.40	VERTICAL	Passed
810	1909.800000	30.50	1.122	46.40	VERTICAL	Passed

GSM mode – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.90	0.977	47.50	HORIZONTAL	Passed
661	1880.000000	31.30	1.349	45.90	HORIZONTAL	Passed
810	1909.800000	27.40	0.550	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	30.30	1.072	46.70	VERTICAL	Passed
661	1880.000000	30.40	1.096	46.40	VERTICAL	Passed
810	1909.800000	29.20	0.832	46.40	VERTICAL	Passed

GPRS mode, 2 TX Slots – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.20	0.832	47.50	HORIZONTAL	Passed
661	1880.000000	29.10	0.813	45.90	HORIZONTAL	Passed
810	1909.800000	26.70	0.468	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold closed

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	29.30	0.851	46.70	VERTICAL	Passed
661	1880.000000	28.90	0.776	46.40	VERTICAL	Passed
810	1909.800000	27.00	0.501	46.40	VERTICAL	Passed

EGPRS mode, 1 TX Slot – fold open

Channel	Frequency / MHz	EIRP / dBm	EIRP / W	A _{CORRECTION} / dB	Polarisation	Result
512	1850.200000	28.90	0.776	47.50	HORIZONTAL	Passed
661	1880.000000	26.40	0.437	45.90	HORIZONTAL	Passed
810	1909.800000	23.90	0.245	46.40	VERTICAL	Passed

Test Equipment

Eq. No	Equipment	Type	Manufacturer	Used in
14020	Programmable Relay Switching System	-	Pickering	15B,15C,22,24
18792	Multi Device Controller	2090	ETS-EMCO	15B,15C,22,24
13829	Turntable Controller	4630-100	Comtest	15B,15C,22,24
14963	RF Preamplifier 100MHz-4GHz (Metal Chassis)	AFS3-00100400	Miteq/NMP Cph	15B,15C,22,24
13668	BiLog Antenna 30-2000MHz	BiLog-CBL6112A	Chase	15B,15C,22,24
18861	EMI Test Receiver 20Hz-26,5GHz	ESI	Rohde&Schwarz	15B,15C,22,24
12679	Dual Log Periodic Antenna 1-18 GHz	HL025	Rohde&Schwarz	15B,15C,22,24
18860	Ultra Broadband Antenna Ultralog 30-3000MHz	HL562	Rohde&Schwarz	15B,15C,22,24
18773	Shielded Chamber	RFD-100	ETS-Lindgren	15B,15C,22,24
18774	Shielded Chamber	RFSD-F/A-100	ETS-Lindgren	15B,15C,22,24
18324	High Pass Filter 3GHz SMA f Conn	WHJS3000-10SS	Wainwright	15B,15C,22,24
14114	Highpass Filter 1000MHz-4500MHz	WHK1000-12SS	Wainwright	15B,15C,22,24
13918	Highpass Filter 2000-4000MHz 50OHM SMA Conn	WHKS2000-10SS	Wainwright Instruments	15B,15C,22,24
13937	Ultra Stable Notch Filter 902,4MHz	WRCA902.4-0.2/40-6SS	Wainwright Instruments	15B,15C,22,24
13936	Ultra Stable Notch Filter 1747,5MHz	WRCD1747.5-0.2/40-10SS	Wainwright Instruments	15B,15C,22,24
13917	Highpass Filter 1000-3000MHz 50OHM SMA Conn	WHKS1000-10SS	Wainwright Instruments	15B,15C,22,24
14188	Ultra Stable Notch Filter 902,4MHz	WRCA902.4-0.2/40-6SS	Wainwright	15B,15C,22,24
14187	Ultra Stable Notch Filter 1747,5MHz	WRCD1747.5-0.2/40-10SS	Wainwright	15B,15C,22,24
16633	Ultra Stable Notch Filter 1880,0MHz	WRCD1880.0-0.2/40-10SS	Wainwright	15B,15C,22,24
18323	Band reject filter 1947-1953MHz 40dB	WRCG1947/1953-1940/1960-40/6SS	Wainwright	15B,15C,22,24
15190	Infra Red Remote Control Unit	4630	Emco	22,24,15B,15C
14993	EMI Test Receiver 9KHz-2750MHz	ESCS30	Rohde&Schwarz	22,24,15B,15C
15191	Turntable Contoller Unit	G-800SDX	YAESU	22,24,15B,15C
14900	Antenna Controller	HD100	HD GmbH	22,24,15B,15C