

FCC Part 15B Compliance Test Report

Test Report no.:	FCC15B_RM-749_10.docx	Date of Report:	10-Apr-2011
Number of pages:	13	Customer's Contact person:	Lenaghan Alison
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FCC listing no.:	99059		
IC recognition no.:	661AL-1		
Tested devices/ accessories:	Phone RM-749 / Battery BL-5K / AC-Charger AC-10E / Headset WH-102		
FCC ID:	QFXRM-749	IC:	661Z-RM749
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart B, ANSI C63.4 (2003), ICES-003, CISPR 22, RSS-132 (Issue 2, September 2005), RSS-133 (Issue 5, February 2009), RSS-139 (Issue 2, February 2009), RSS-210 (Issue 8, December 2010). 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:			

Christian Andersen, System Specialist, EMC

1. Summary for FCC Part 15B Compliance Test Report

Date of receipt	23-Mar-2011
Testing completed	29-Mar-2011
The customer's contact person	Lenaghan Alison
Test Plan referred to	T:\Projects\RM-749\TestPlan\RS_testplan_RM-749.xls
Notes	-
Document name	T:\Projects\RM-749\EMC\FCC15B_RM-749_10.docx

1.1. EUT and Accessory Information

The EUT is a 9-band (GSM850/900/1800/1900) and WCDMA Band (I/II(1900)/IV(1700)/V(850)/VIII/) mobile phone with GPRS, EGPRS, HSDPA, HSUPA and WLAN and Bluetooth and FM transmitter.

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-749	004402/13/413841/5	2000	-	021-005	23749
Battery	BL-5K	4620400051K10101688;0670580	-	-	-	24046
AC-Charger	AC-10E	40904903155806000880675408	0.51	0.3	-	24030
Headset	WH-102	0694323939454109386	-	-	-	24038

1.2. Summary of Test Results

GSM850:

Section in CFR 47	Section in ICES-003 (RSS-132)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	NP
15.109, a	5.5 (4.6)	Radiated emissions	Passed

GSM1900:

Section in CFR 47	Section in ICES-003 (RSS-133)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	NP
15.109, a	5.5 (6.6)	Radiated emissions	Passed

WCDMA 1900 (Band II):

Section in CFR 47	Section in ICES-003 (RSS-133)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	NP
15.109, a	5.5 (6.6)	Radiated emissions	Passed

Bluetooth:

Section in CFR 47	Section in ICES-003 (RSS-139)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	NP
15.109, a	5.5 (6.6)	Radiated emissions	Passed

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 Laboratory.

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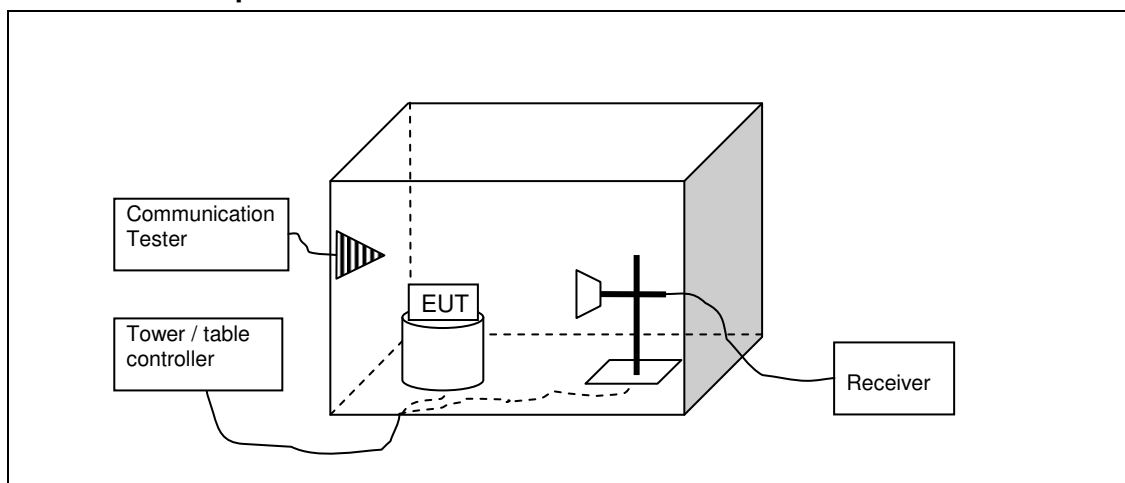
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2. Radiated emissions

(FCC §15.109, ICES-003 section 5.5, RSS-132 4.6, RSS-133 6.6, RSS-139 6.6)

EUT with DUT number	RM-749, DUT 23749
Accessories with DUT numbers	BL-5K, DUT 24046 ; AC-10E, DUT 24030 ; WH-102, DUT 24038
Operation Voltage [V] / [Hz]	115 / 60
Results	Passed
Remarks	GSM850, GSM1900 and WCDMA1900 tested with FM receiver active. BT tested with GPS receiver active.
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	23 / 46 / 100.2
Date of measurements	29-Mar-2011
Measured by	Christian Andersen

2.1.1 Test Setup



2.2. Test method and limit

The measurement is made according to ANSI C63.4-2003as follows:

The measurement is performed in the Semi-Anechoic Chamber with conducting metal floor.

The measurement distance is 3 m.

The EUT is placed on a nonconductive plate at 80 cm height.

For each suspected frequency, the turntable is rotated 360 degrees and antenna is scanned from 1 to 4 m. This is repeated for both horizontal and vertical receive antenna polarizations.

The emissions less than 20 dB below the permissible value are reported.

The measurement results are obtained as described below:

$$E [\mu V/m] = U_{RX} + A_{TOT}$$

Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable loss, antenna factor and preamplifier gain ($A_{TOT} = L_{CABLES} + A_F - G_{PREAMP}$).

CISPR 22 and FCC Part 15 Class B limits (3 m measurement distance)

Frequency range [MHz]	Quasi peak limit [dB μ V/m]	Average limit [dB μ V/m]	Peak limit [dB μ V/m]
30 - 230	40	-	-
230 – 1000	47	-	-
Above 1000	-	54	74

2.3. GSM850 Test results

RX mode, channel 128 / 869.2 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3477.6	37.1	71.631	40.03	-2.93	VERTICAL	Passed
6955.5	56.18	644.095	46.97	9.21	HORIZONTAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3477.6	23.61	15.151	26.54	-2.93	VERTICAL	Passed
6955.5	42.87	139.123	33.66	9.21	HORIZONTAL	Passed

RX mode, channel 190 / 881.6 MHz

Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
32.795	22.14	12.792	36.9	-14.76	VERTICAL	Passed
43.416	25.19	18.176	46.46	-21.27	VERTICAL	Passed
73.977	19.64	9.596	45.8	-26.16	VERTICAL	Passed
97.986	61.91	1245.518	85.19	-23.28	VERTICAL	Passed

*98.0 MHz frequency is FM-Radio signal and thus ignored."

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
1575.251	48.74	273.59	52.32	-3.58	HORIZONTAL	Passed
2991.186	49.88	312.033	42.16	7.72	HORIZONTAL	Passed
7834.064	49.82	309.742	37.62	12.2	VERTICAL	Passed
7841.283	50.05	317.944	37.89	12.16	HORIZONTAL	Passed
7844.593	49.23	289.434	37.08	12.15	VERTICAL	Passed
7862.323	49.37	293.934	37.09	12.28	HORIZONTAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
1575.251	36.38	65.94	39.96	-3.58	HORIZONTAL	Passed
2991.186	36.57	67.375	28.85	7.72	HORIZONTAL	Passed
7834.064	36.72	68.58	24.52	12.2	VERTICAL	Passed
7841.283	36.76	68.849	24.6	12.16	HORIZONTAL	Passed
7844.593	36.7	68.368	24.55	12.15	VERTICAL	Passed
7862.323	36.69	68.312	24.41	12.28	HORIZONTAL	Passed

RX mode, channel 251 / 893.8 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3576.8	37.37	73.833	39.54	-2.17	VERTICAL	Passed
7151.8	48.12	254.536	37.49	10.63	VERTICAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3576.8	24.06	15.951	26.23	-2.17	VERTICAL	Passed
7151.8	35.39	58.783	24.76	10.63	VERTICAL	Passed

2.4. GSM1900 Test results

RX mode, channel 512 / 1930.2 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3859	38.39	83.052	39.29	-0.9	VERTICAL	Passed
7719.4	48.28	259.418	36.83	11.45	VERTICAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3859	25.62	19.09	26.52	-0.9	VERTICAL	Passed
7719.4	35.65	60.59	24.2	11.45	VERTICAL	Passed

RX mode, channel 661 / 1960.0 MHz

Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
32.715	21.56	11.973	36.27	-14.71	VERTICAL	Passed
43.376	17.31	7.338	38.55	-21.24	VERTICAL	Passed
74.639	6.63	2.146	32.63	-26	VERTICAL	Passed
97.986	61.38	1171.521	84.66	-23.28	VERTICAL	Passed

*98.0 MHz frequency is FM-Radio signal and thus ignored."

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
1564.027	43.26	145.596	48.81	-5.55	VERTICAL	Passed
1960.019	63.73	1535.677	65.09	-1.36	HORIZONTAL	Passed
2982.263	49.23	289.434	41.53	7.7	HORIZONTAL	Passed
7822.141	50.08	319.044	37.89	12.19	VERTICAL	Passed
7842.887	49.64	303.354	37.49	12.15	HORIZONTAL	Passed
7843.891	50.3	327.152	38.15	12.15	VERTICAL	Passed
7852.705	49.5	298.676	37.35	12.15	VERTICAL	Passed

*1960 MHz frequency is coming from communication tester and thus ignored.

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
1564.027	30.15	32.185	35.7	-5.55	VERTICAL	Passed
1960.019	62.95	1404.268	64.31	-1.36	HORIZONTAL	Passed
2982.263	36.59	67.515	28.89	7.7	HORIZONTAL	Passed
7822.141	36.68	68.265	24.49	12.19	VERTICAL	Passed
7842.887	36.77	68.913	24.62	12.15	HORIZONTAL	Passed
7843.891	36.73	68.604	24.58	12.15	VERTICAL	Passed
7852.705	36.64	67.952	24.49	12.15	VERTICAL	Passed

*1960 MHz frequency is coming from communication tester and thus ignored.

RX mode, channel 810 / 1989.8 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3979	37.99	79.369	39.04	-1.05	VERTICAL	Passed
7958.6	49.9	312.752	36.95	12.95	VERTICAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3979	25.35	18.51	26.4	-1.05	VERTICAL	Passed
7958.6	37.3	73.308	24.35	12.95	VERTICAL	Passed

2.5. WCDMA 1900 (Band II) Test results

RX mode, channel 9662 / 1932.4 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3865.2	39.2	91.159	40.16	-0.96	VERTICAL	Passed
7728	48.92	279.287	37.35	11.57	VERTICAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3865.2	25.6	19.061	26.56	-0.96	VERTICAL	Passed
7728	35.78	61.504	24.21	11.57	VERTICAL	Passed

RX mode, channel 9800 / 1960.0 MHz

Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
32.936	14.3	5.19	29.14	-14.84	VERTICAL	Passed
43.826	16.17	6.433	37.69	-21.52	VERTICAL	Passed
74.006	20.35	10.408	46.51	-26.16	VERTICAL	Passed
97.986	61.89	1243.369	85.17	-23.28	VERTICAL	Passed

*98.0 MHz frequency is FM-Radio signal and thus ignored."

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
1575.651	50.21	324.078	53.77	-3.56	HORIZONTAL	Passed
1960.119	47.73	243.388	49.09	-1.36	HORIZONTAL	Passed
2926.754	48.85	277.077	42.03	6.82	HORIZONTAL	Passed
7821.943	50.34	328.662	38.15	12.19	HORIZONTAL	Passed
7838.874	49.53	299.537	37.35	12.18	VERTICAL	Passed
7843.788	49.63	303.18	37.48	12.15	HORIZONTAL	Passed
7852.107	49.63	302.97	37.49	12.14	VERTICAL	Passed

*1960 MHz frequency is coming from communication tester and thus ignored.

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
1575.651	37.06	71.318	40.62	-3.56	HORIZONTAL	Passed
1960.119	33.3	46.227	34.66	-1.36	HORIZONTAL	Passed
2926.754	36.16	64.269	29.34	6.82	HORIZONTAL	Passed
7821.943	36.72	68.58	24.53	12.19	HORIZONTAL	Passed
7838.874	36.72	68.565	24.54	12.18	VERTICAL	Passed
7843.788	36.76	68.857	24.61	12.15	HORIZONTAL	Passed
7852.107	36.62	67.788	24.48	12.14	VERTICAL	Passed

*1960 MHz frequency is coming from communication tester and thus ignored.

RX mode, channel 9938 / 1987.6 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3974	38	79.451	39.04	-1.04	HORIZONTAL	Passed
7950.7	50.52	335.622	37.49	13.03	VERTICAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3974	25.15	18.086	26.19	-1.04	HORIZONTAL	Passed
7950.7	37.39	74.02	24.36	13.03	VERTICAL	Passed

2.6. Bluetooth Test results

2.6.1 GFSK modulation, PRBS packet type

TX mode, Channel 0 / 2402 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4805.9	41.38	117.247	39.29	2.09	HORIZONTAL	Passed
7207.2	48.98	281.125	37.89	11.09	VERTICAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4805.9	28.31	26.029	26.22	2.09	HORIZONTAL	Passed
7207.2	35.23	57.736	24.14	11.09	VERTICAL	Passed

TX mode, Channel 40 / 2442 MHz

Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
32.434	22.12	12.761	36.67	-14.55	VERTICAL	Passed
43.187	25.47	18.769	46.59	-21.12	VERTICAL	Passed
74.412	18.01	7.956	44.07	-26.06	VERTICAL	Passed
74.79	18.12	8.05	44.08	-25.96	VERTICAL	Passed

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
1575.551	49.15	286.847	52.72	-3.57	HORIZONTAL	Passed
1960.019	62.31	1304.518	63.67	-1.36	HORIZONTAL	Passed
7833.264	49.69	305.246	37.48	12.21	HORIZONTAL	Passed
7841.287	50.05	317.944	37.89	12.16	HORIZONTAL	Passed
7845.092	51.31	367.663	39.17	12.14	VERTICAL	Passed
7860.718	49.48	297.783	37.22	12.26	VERTICAL	Passed

*1960 MHz frequency is coming from communication tester and thus ignored.

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
1575.551	36.12	63.959	39.69	-3.57	HORIZONTAL	Passed
1960.019	61.41	1176.386	62.77	-1.36	HORIZONTAL	Passed
7833.264	36.75	68.818	24.54	12.21	HORIZONTAL	Passed
7841.287	36.74	68.691	24.58	12.16	HORIZONTAL	Passed
7845.092	36.7	68.368	24.56	12.14	VERTICAL	Passed
7860.718	36.62	67.788	24.36	12.26	VERTICAL	Passed

*1960 MHz frequency is coming from communication tester and thus ignored.

TX mode, Channel 78 / 2480 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4959.2	43.73	153.621	41.28	2.45	VERTICAL	Passed
7438.5	49.57	301.093	37.75	11.82	HORIZONTAL	Passed

Average(RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4959.2	30.48	33.431	28.03	2.45	VERTICAL	Passed
7438.5	35.82	61.802	24	11.82	HORIZONTAL	Passed

3. Test Equipment

3.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
13037	Power Supply 0-15V 10A	EA3012	LP Instruments	15C, 15B
13357	Signal Generator	SMP02	Rohde&Schwarz	22/24/27, 15C, 15B
13513	Pulse Limiter	ESH3Z2	Rohde&Schwarz	15C, 15B
13666	Receiver	ESPC	Rohde&Schwarz	15C, 15B
13935	LISN	ESH3-Z5	Rohde&Schwarz	15C, 15B
16601	Communication Tester	CMU200	Rohde&Schwarz	22/24/27, 15C, 15B
16995	Directional Coupler 20dB 0,5-2,0 GHz SMA Conn.	1538RA-20	Weinschel	15C, 15B
18772	Shielded Chamber	RFD-100	ETS-Lindgren	15C, 15B
18772	Shielded Chamber	RFD-100	ETS-Lindgren	15C, 15B
19116	Power splitter	-	various	22/24/27, 15C, 15B
19171	Communication Tester	CMU200	Rohde&Schwarz	15C, 15B
19625	Climatic Chamber	VT4002EMC	Vötsch	22/24/27, 15C, 15B
19678	Spectrum Analyzer	FSP	Rohde&Schwarz	22/24/27, 15C, 15B
20168	Bluetooth Tester	CBT	Rohde&Schwarz	22/24/27, 15C, 15B
20543	UPS. 700V/A 490W	PW 9120 700i	Powerware	22/24/27, 15C, 15B
20544	Transformer. 230/115V	-	Nokia	22/24/27, 15C, 15B

3.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
13077	Power Supply	EA-3016	-	22/24/27, 15C, 15B
13799	Signal Generator	SMP02	Rohde&Schwarz	22/24/27, 15C, 15B
13936	Band reject filter	WRCD1747.5-0.2/40-10SS	Wainwright Instruments	22/24/27, 15C, 15B
13937	Band reject filter	WRCA902.4-0.2/40-6SS	Wainwright Instruments	22/24/27, 15C, 15B
14021	Relay Dual 6 Chnl μ Wave Mux	10-785-522	-	22/24/27, 15C, 15B
14114	Highpass Filter	WHK1000-12SS	Wainwright Instruments	22/24/27, 15C, 15B
14187	Band reject filter	WRCD1747.5-0.2/40-10SS	Wainwright	22/24/27, 15C, 15B
14188	Band reject filter	WRCA902.4-0.2/40-6SS	Wainwright	22/24/27, 15C, 15B
14900	Antenna Controller	HD100	HD GmbH	22/24/27, 15C, 15B
15191	Turntable Contoller Unit	G-800SDX	YAESU	22/24/27, 15C, 15B
15742	Programmable Relay Switching System	-----	Pickering	22/24/27, 15C, 15B
16633	Band reject filter	WRCD1880.0-0.2/40-10SS	Wainwright	22/24/27, 15C, 15B
16948	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24/27, 15C, 15B
16949	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24/27, 15C, 15B
17644	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24/27, 15C, 15B
18416	Communication Tester	CMU200	Rohde&Schwarz	22/24/27, 15C, 15B
18773	Anechoic chamber	RFD-100	ETS-Lindgren	22/24/27, 15C, 15B
18774	Anechoic chamber	RFSD-F/A-100	ETS-Lindgren	22/24/27, 15C, 15B
18792	Mast/turntable controller	2090	ETS-EMCO	22/24/27, 15C, 15B
18860	Antenna	HL562	Rohde&Schwarz	22/24/27, 15C, 15B

Eq. No	Equipment	Type	Manufacturer	Used in
19151	High Pass Filter	WHJS3000-10SS	Wainwright	22/24/27, 15C, 15B
19587	Band reject filter	WRCG2400/2483-2390/2493-35/10SS	Wainwright	22/24/27, 15C, 15B
19966	Antenna	HFH2-Z2	Rohde&Schwarz	15C, 15B
20078	Relay 2x6 Chnl μ Wave Mux	10-785B-522	Pickering	22/24/27, 15C, 15B
20114	Band reject filter	WRCG1737/1743-1733/1747-40/6SS	Wainwright	22/24/27, 15C, 15B
20115	Band reject filter	-	Wainwright	22/24/27, 15C, 15B
20116	Band reject filter	WRCG832/83/-825/845-40/5SS	Wainwright	22/24/27, 15C, 15B
20168	Bluetooth Tester	CBT	Rohde&Schwarz	22/24/27, 15C, 15B
20543	UPS. 700V/A 490W	PW 9120 700i	Powerware	22/24/27, 15C, 15B
20544	Transformer. 230/115V	-	Nokia	22/24/27, 15C, 15B
20698	Antenna	BBHA 9120 D	SCHWARZBECK	22/24/27, 15C, 15B
-	Relay Dual 6 Chnl μ Wave Mux	10-785-522	-	22/24/27, 15C, 15B