

Nihon Kohden America Inc.

WMTS - Telemetry Gain/Loss Calculations

Date: 10/23/15

Facility : **SSM Stoughton Hospital**
 Location : **Stoughton, WI**
 Project: **Phase 1-Med Surg-ICU-PACU**

1st Floor

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
1A1-1A4							
1-AS1	{AAC}	A		23.0	23.0	29.0	29.0
Cable (RG-6)	RG-6	6	21	-1.1	22.0	-1.7	27.3
1-AS50	2/1	2		-4.2	17.8	-5.5	21.8
Cable (RG-6)	RG-6	6	95	-4.8	13.0	-7.6	14.2
2-AS76	4/1	4		-8.5	4.5	-9.0	5.2
-3dB Attenuator	-3dB	3		-3.0	1.5	-3.0	2.2
Power Supply 3015	PS	P		-1.0	0.5	-2.0	0.2
2-AS77	{AAC}	A		22.0	22.5	26.0	26.2
-10dB Attenuator	-10dB	10		-10.0	12.5	-10.0	16.2
-3dB Attenuator	-3dB	3		-3.0	9.5	-3.0	13.2
Power Supply 3015	PS	P		-1.0	8.5	-2.0	11.2
2-AS78	8/1	8		-11.0	-2.5	-14.4	-3.2
Cumulative Values					-2.5		-3.2

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
1A5-1A8							
1-AS2	{AAC}	A		23.0	23.0	30.0	30.0
Cable (RG-6)	RG-6	6	26	-1.3	21.7	-2.1	27.9
1-AS50	2/1	2		-4.2	17.5	-5.5	22.4
Cable (RG-6)	RG-6	6	95	-4.8	12.8	-7.6	14.8
2-AS76	4/1	4		-8.5	4.3	-9.0	5.8
-3dB Attenuator	-3dB	3		-3.0	1.3	-3.0	2.8
Power Supply 3015	PS	P		-1.0	0.3	-2.0	0.8
2-AS77	{AAC}	A		22.0	22.3	26.0	26.8
-10dB Attenuator	-10dB	10		-10.0	12.3	-10.0	16.8
-3dB Attenuator	-3dB	3		-3.0	9.3	-3.0	13.8
Power Supply 3015	PS	P		-1.0	8.3	-2.0	11.8
2-AS78	8/1	8		-11.0	-2.8	-14.4	-2.6
Cumulative Values					-2.8		-2.6

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
1A9-1A12							
1-AS3	{AAC}	A		23.0	23.0	30.0	30.0
Cable (RG-6)	RG-6	6	41	-2.1	21.0	-3.3	26.7
1-AS51	2/1	2		-4.2	16.8	-5.5	21.2
Cable (RG-6)	RG-6	6	82	-4.1	12.7	-6.6	14.7
2-AS76	4/1	4		-8.5	4.2	-9.0	5.7
-3dB Attenuator	-3dB	3		-3.0	1.2	-3.0	2.7
Power Supply 3015	PS	P		-1.0	0.1	-2.0	0.7
2-AS77	{AAC}	A		22.0	22.2	26.0	26.7
-10dB Attenuator	-10dB	10		-10.0	12.2	-10.0	16.7
-3dB Attenuator	-3dB	3		-3.0	9.2	-3.0	13.7
Power Supply 3015	PS	P		-1.0	8.2	-2.0	11.7
2-AS78	8/1	8		-11.0	-2.9	-14.4	-2.7
Cumulative Values					-2.9		-2.7

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Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
1A13-1A16							
1-AS4	{AAC}	A		23.0	23.0	29.0	29.0
Cable (RG-6)	RG-6	6	36	-1.8	21.2	-2.9	26.1
1-AS51	2/1	2		-4.2	17.0	-5.5	20.6
Cable (RG-6)	RG-6	6	82	-4.1	12.9	-6.6	14.1
2-AS76	4/1	4		-8.5	4.4	-9.0	5.1
-3dB Attenuator	-3dB	3		-3.0	1.4	-3.0	2.1
Power Supply 3015	PS	P		-1.0	0.4	-2.0	0.1
2-AS77	{AAC}	A		22.0	22.4	26.0	26.1
-10dB Attenuator	-10dB	10		-10.0	12.4	-10.0	16.1
-3dB Attenuator	-3dB	3		-3.0	9.4	-3.0	13.1
Power Supply 3015	PS	P		-1.0	8.4	-2.0	11.1
2-AS78	8/1	8		-11.0	-2.6	-14.4	-3.3
Cumulative Values					-2.6		-3.3

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
1A17-1A20							
1-AS5	{AAC}	A		23.0	23.0	30.0	30.0
Cable (RG-6)	RG-6	6	29	-1.5	21.6	-2.3	27.7
1-AS52	2/1	2		-4.2	17.4	-5.5	22.2
Cable (RG-6)	RG-6	6	98	-4.9	12.5	-7.8	14.3
2-AS76	4/1	4		-8.5	4.0	-9.0	5.3
-3dB Attenuator	-3dB	3		-3.0	1.0	-3.0	2.3
Power Supply 3015	PS	P		-1.0	0.0	-2.0	0.3
2-AS77	{AAC}	A		22.0	22.0	26.0	26.3
-10dB Attenuator	-10dB	10		-10.0	12.0	-10.0	16.3
-3dB Attenuator	-3dB	3		-3.0	9.0	-3.0	13.3
Power Supply 3015	PS	P		-1.0	8.0	-2.0	11.3
2-AS78	8/1	8		-11.0	-3.1	-14.4	-3.1
Cumulative Values					-3.1		-3.1

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
1A21-1A24							
1-AS6	{AAC}	A		24.0	24.0	31.0	31.0
Cable (RG-6)	RG-6	6	37	-1.9	22.2	-3.0	28.0
1-AS52	2/1	2		-4.2	18.0	-5.5	22.5
Cable (RG-6)	RG-6	6	98	-4.9	13.1	-7.8	14.7
2-AS76	4/1	4		-8.5	4.6	-9.0	5.7
-3dB Attenuator	-3dB	3		-3.0	1.6	-3.0	2.7
Power Supply 3015	PS	P		-1.0	0.5	-2.0	0.7
2-AS77	{AAC}	A		22.0	22.6	26.0	26.7
-10dB Attenuator	-10dB	10		-10.0	12.6	-10.0	16.7
-3dB Attenuator	-3dB	3		-3.0	9.6	-3.0	13.7
Power Supply 3015	PS	P		-1.0	8.6	-2.0	11.7
2-AS78	8/1	8		-11.0	-2.5	-14.4	-2.7
Cumulative Values					-2.5		-2.7

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2nd Floor

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
2A1-2A4							
2-AS1	{AAC}	A		24.0	24.0	30.0	30.0
Cable (RG-6)	RG-6	6	54	-2.7	21.3	-4.3	25.7
2-AS50	2/1	2		-4.2	17.1	-5.5	20.2
Cable (RG-6)	RG-6	6	77	-3.9	13.3	-6.2	14.0
2-AS75	4/1	4		-8.5	4.8	-9.0	5.0
-3dB Attenuator	-3dB	3		-3.0	1.8	-3.0	2.0
Power Supply 3015	PS	P		-1.0	0.8	-2.0	0.0
2-AS77	{AAC}	A		22.0	22.8	26.0	26.0
-10dB Attenuator	-10dB	10		-10.0	12.8	-10.0	16.0
-3dB Attenuator	-3dB	3		-3.0	9.8	-3.0	13.0
Power Supply 3015	PS	P		-1.0	8.8	-2.0	11.0
2-AS78	8/1	8		-11.0	-2.3	-14.4	-3.4
Cumulative Values					-2.3		-3.4

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
2A5-2A8							
2-AS2	{AAC}	A		24.0	24.0	32.0	32.0
Cable (RG-6)	RG-6	6	69	-3.5	20.6	-5.5	26.5
2-AS50	2/1	2		-4.2	16.4	-5.5	21.0
Cable (RG-6)	RG-6	6	77	-3.9	12.5	-6.2	14.8
2-AS75	4/1	4		-8.5	4.0	-9.0	5.8
-3dB Attenuator	-3dB	3		-3.0	1.0	-3.0	2.8
Power Supply 3015	PS	P		-1.0	0.0	-2.0	0.8
2-AS77	{AAC}	A		22.0	22.0	26.0	26.8
-10dB Attenuator	-10dB	10		-10.0	12.0	-10.0	16.8
-3dB Attenuator	-3dB	3		-3.0	9.0	-3.0	13.8
Power Supply 3015	PS	P		-1.0	8.0	-2.0	11.8
2-AS78	8/1	8		-11.0	-3.0	-14.4	-2.6
Cumulative Values					-3.0		-2.6

3rd Floor

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
3A1-3A4							
3-AS1	{AAC}	A		23.0	23.0	29.0	29.0
Cable (RG-6)	RG-6	6	39	-2.0	21.1	-3.1	25.9
3-AS50	2/1	2		-4.2	16.9	-5.5	20.4
Cable (RG-6)	RG-6	6	72	-3.6	13.3	-5.8	14.6
2-AS75	4/1	4		-8.5	4.8	-9.0	5.6
-3dB Attenuator	-3dB	3		-3.0	1.8	-3.0	2.6
Power Supply 3015	PS	P		-1.0	0.8	-2.0	0.6
2-AS77	{AAC}	A		22.0	22.8	26.0	26.6
-10dB Attenuator	-10dB	10		-10.0	12.8	-10.0	16.6
-3dB Attenuator	-3dB	3		-3.0	9.8	-3.0	13.6
Power Supply 3015	PS	P		-1.0	8.8	-2.0	11.6
2-AS78	8/1	8		-11.0	-2.3	-14.4	-2.8
Cumulative Values					-2.3		-2.8

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Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
3A5-3A8							
3-AS2	{AAC}	A		23.0	23.0	29.0	29.0
Cable (RG-6)	RG-6	6	39	-2.0	21.1	-3.1	25.9
3-AS50	2/1	2		-4.2	16.9	-5.5	20.4
Cable (RG-6)	RG-6	6	72	-3.6	13.3	-5.8	14.6
2-AS75	4/1	4		-8.5	4.8	-9.0	5.6
-3dB Attenuator	-3dB	3		-3.0	1.8	-3.0	2.6
Power Supply 3015	PS	P		-1.0	0.8	-2.0	0.6
2-AS77	{AAC}	A		22.0	22.8	26.0	26.6
-10dB Attenuator	-10dB	10		-10.0	12.8	-10.0	16.6
-3dB Attenuator	-3dB	3		-3.0	9.8	-3.0	13.6
Power Supply 3015	PS	P		-1.0	8.8	-2.0	11.6
2-AS78	8/1	8		-11.0	-2.3	-14.4	-2.8
Cumulative Values					-2.3		-2.8

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
3A9-3A12							
3-AS3	{AAC}	A		23.0	23.0	30.0	30.0
Cable (RG-6)	RG-6	6	39	-2.0	21.1	-3.1	26.9
3-AS51	2/1	2		-4.2	16.9	-5.5	21.4
Cable (RG-6)	RG-6	6	82	-4.1	12.8	-6.6	14.8
2-AS75	4/1	4		-8.5	4.3	-9.0	5.8
-3dB Attenuator	-3dB	3		-3.0	1.3	-3.0	2.8
Power Supply 3015	PS	P		-1.0	0.3	-2.0	0.8
2-AS77	{AAC}	A		22.0	22.3	26.0	26.8
-10dB Attenuator	-10dB	10		-10.0	12.3	-10.0	16.8
-3dB Attenuator	-3dB	3		-3.0	9.3	-3.0	13.8
Power Supply 3015	PS	P		-1.0	8.3	-2.0	11.8
2-AS78	8/1	8		-11.0	-2.8	-14.4	-2.6
Cumulative Values					-2.8		-2.6

Description	Device	Input	Cable (ft)	UHF Gain/Loss	Cumulative UHF	L-Band Gain/Loss	Cumulative L-Band
3A13-3A16							
3-AS4	{AAC}	A		24.0	24.0	30.0	30.0
Cable (RG-6)	RG-6	6	46	-2.3	21.7	-3.7	26.3
3-AS51	2/1	2		-4.2	17.5	-5.5	20.8
Cable (RG-6)	RG-6	6	82	-4.1	13.4	-6.6	14.3
2-AS75	4/1	4		-8.5	4.9	-9.0	5.3
-3dB Attenuator	-3dB	3		-3.0	1.9	-3.0	2.3
Power Supply 3015	PS	P		-1.0	0.9	-2.0	0.3
2-AS77	{AAC}	A		22.0	22.9	26.0	26.3
-10dB Attenuator	-10dB	10		-10.0	12.9	-10.0	16.3
-3dB Attenuator	-3dB	3		-3.0	9.9	-3.0	13.3
Power Supply 3015	PS	P		-1.0	8.9	-2.0	11.3
2-AS78	8/1	8		-11.0	-2.1	-14.4	-3.1
Cumulative Values					-2.1		-3.1