



### DAB+ COVERAGE IN THE GAUTENG AREA

	Area covered using a 10kW transmitter: Pretoria	100kW ERP
	Total Gross Population	3 628 348 (7.3%)
	Total Area Covered	13 121 km <sup>2</sup>
	Area covered using a 10kW transmitter: Johannesburg	100kW ERP
	Total Gross Population Covered	7 077 039 (14.2%)
	Total Area Covered	8 064 km <sup>2</sup>

Levels of electrical field strength for grades as specified by ITU measured at 10m above ground level

Field Strength (dBμV/m)	Remarks
66	As adopted at RRC-06 for indoor reception

DEPARTMENT : BROADCAST PLANNING  
 PROJECT : sm\_Johannesburg\_DAB+\_pro  
 MAP PRODUCTION : Serame Motshake  
 DATE : 30/07/13

## *TRANSMISSION SPECIFICATIONS FOR DAB + TRIAL IN THE GAUTENG AREA*

STATION NAME	CODE	GEO. CO-ORDINATES						HEIGHTS			TRANSMITTER			ANTENNA						FEED			
		LATITUDE			LONGITUDE			SITE m	MAST m	ANT m	FREQ MHz	CH	PWR kW	GAIN dB	ERP kW	DIR	BEAM			NULL FILL	POL	TYPE	FROM
		Deg	Min	Sec	Deg	Min	Sec										AZM	WIDTH	TILT				
JOHANNESBURG	T97	-26	-11	-31	28	0	26	1777	250	225	239.2	0	10	10	100	ND	30	360	0.8	Y	HOR	TBD	
PRETORIA	T103	-25	-41	-21	27	59	2	1655	139	103	239.2	0	10	10	100	ND	15	360	1	N	VER	TBD	