

EXHIBIT A: CHARACTERISTICS OF THE PROPOSED TRANSMISSIONS

Table 1. Transmission characteristics corresponding to the maximum carrier bandwidth of 10 MHz: Carriers 1 to 8

	Carrier 1	Carrier 2	Carrier 3	Carrier 4	Carrier 5	Carrier 6	Carrier 7	Carrier 8
Polarization	H/V	H/V	H/V	H/V	H/V	H/V	H/V	H/V
U/L carrier frequency	5965	6005	6045	6085	6125	6165	6205	6245
D/L carrier frequency	3740	3780	3820	3860	3900	3940	3980	4020
Transmit e.i.r.p.	76.6	70.9	76.9	71.3	75.5	76.5	77.3	77
Occupied bandwidth	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0
Antenna Diameter	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
Total e/s uplink eirp through HPA	76.6	70.9	76.9	71.3	75.5	76.5	77.3	77.0
Peak antenna gain	59.8	59.8	59.9	59.9	60.0	60.1	60.1	60.2
Losses from HPA to antenna feed.	1	1	1	1	1	1	1	1
Power density per 4 KHz	-16.2	-21.9	-16.0	-21.6	-17.5	-16.5	-15.8	-16.2
EIRP density per 4 KHz	42.6	36.9	42.9	37.3	41.5	42.5	43.3	43.0
Required power at HPA output port	17.8	12.1	18.0	12.4	16.5	17.4	18.2	17.8

Table 2. Transmission characteristics corresponding to the maximum carrier bandwidth of 10 MHz: Carriers 9 to 16

	Carrier 9	Carrier 10	Carrier 11	Carrier 12	Carrier 13	Carrier 14	Carrier 15	Carrier 16
Polarization	H/V	H/V	H/V	H/V	V/H	V/H	V/H	V/H
U/L carrier frequency	6285	6325	6365	6405	5945	5985	6025	6065
D/L carrier frequency	4060	4100	4140	4180	3720	3760	3800	3840
Transmit e.i.r.p.	77.1	75.4	77.2	77.7	78.5	77.6	76.7	77.7
Occupied bandwidth	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0
Antenna Diameter	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
Total e/s uplink eirp through HPA	77.1	75.4	77.2	77.7	78.5	77.6	76.7	77.7
Peak antenna gain	60.2	60.3	60.3	60.4	60.2	60.3	60.4	60.4
Losses from HPA to antenna feed.	1	1	1	1	1	1	1	1
Power density per 4 KHz	-16.1	-17.9	-16.1	-15.7	-14.7	-15.7	-16.6	-15.7
EIRP density per 4 KHz	43.1	41.4	43.2	43.7	44.5	43.6	42.7	43.7
Required power at HPA output port	17.9	16.1	17.9	18.3	19.3	18.3	17.3	18.3

Table 3. Transmission characteristics corresponding to the maximum carrier bandwidth of 10 MHz: Carriers 17 to 24

	Carrier 17	Carrier 18	Carrier 19	Carrier 20	Carrier 21	Carrier 22	Carrier 23	Carrier 24
Polarization	V/H	V/H	V/H	V/H	V/H	V/H	V/H	V/H
U/L carrier frequency	6105	6145	6185	6225	6265	6305	6345	6385
D/L carrier frequency	3880	3920	3960	4000	4040	4080	4120	4160
Transmit e.i.r.p.	77.9	77.9	77.3	77.6	78.1	75.8	77.2	76.3
Occupied bandwidth	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0
10 log BW	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Antenna Diameter	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
Total e/s uplink eirp through HPA	77.9	77.9	77.3	77.6	78.1	75.8	77.2	76.3
Peak antenna gain	60.5	60.5	60.6	60.6	60.7	60.8	60.8	60.9
Losses from HPA to antenna feed.	1	1	1	1	1	1	1	1
Power density per 4 KHz	-15.6	-15.6	-16.3	-16.0	-15.6	-17.9	-16.6	-17.5
EIRP density per 4 KHz	43.9	43.9	43.3	43.6	44.1	41.8	43.2	42.3
Required power at HPA output port	18.4	18.4	17.7	18.0	18.4	16.0	17.4	16.4