

RF power output

DC_5A_n40A

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB12@6	22.52(19.9 19.08)	19.771	0.095	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB12@6	21.29(19.9 15.65)	17.805	0.06	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB12@6	22.3(19.91 18.56)	19.435	0.088	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK CP-OFDM QPSK_RB1@0 RB1@0	22.67(20.21 19.03)	19.844	0.096	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK CP-OFDM QPSK_RB12@0 RB12@6	22.54(19.9 19.12)	19.798	0.095	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB12@6	22.45(19.91 18.92)	19.668	0.093	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB12@6	21.95(19.92 17.68)	18.898	0.078	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB12@6	22.51(19.9 19.05)	19.751	0.094	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@0 RB1@0	22.53(19.93 19.06)	19.768	0.095	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB12@6	22.5(19.89 19.05)	19.748	0.094	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM QPSK_RB1@0 RB1@0	22.48(19.86 19.03)	19.724	0.094	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2305.02MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB12@6	22.48(19.89 19.01)	19.721	0.094	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB12@6	22.94(19.54 20.28)	20.511	0.112	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB12@6	21.42(19.55 16.85)	18.262	0.067	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB12@6	22.63(19.54 19.69)	20.081	0.102	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK CP-OFDM QPSK_RB12@0 RB12@6	22.89(19.49 20.23)	20.461	0.111	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB12@6	22.88(19.54 20.18)	20.437	0.111	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB12@6	22.26(19.55 18.92)	19.549	0.09	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB12@6	22.94(19.54 20.28)	20.511	0.112	2.00	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB12@6	22.9(19.54 20.22)	20.466	0.111	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2349.99MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB12@6	22.87(19.55 20.15)	20.417	0.11	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK CP-OFDM 16 QAM_RB12@38 RB12@6	23.47(18.67 21.72)	21.46	0.14	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK CP-OFDM 256 QAM_RB12@38 RB12@6	21.56(18.68 18.41)	18.925	0.078	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK CP-OFDM 64 QAM_RB12@38 RB12@6	23.26(18.67 21.4)	21.196	0.132	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK CP-OFDM QPSK_RB1@49 RB1@23	23.36(18.49 21.65)	21.372	0.137	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK CP-OFDM QPSK_RB12@38 RB12@6	23.56(18.67 21.86)	21.577	0.144	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM 16 QAM_RB12@38 RB12@6	23.58(18.65 21.89)	21.599	0.144	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM 256 QAM_RB12@38 RB12@6	22.64(18.66 20.43)	20.417	0.11	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM 64 QAM_RB12@38 RB12@6	23.52(18.67 21.8)	21.527	0.142	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@49 RB1@23	23.35(18.49 21.63)	21.355	0.137	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@38 RB12@6	23.45(18.65 21.71)	21.449	0.14	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM QPSK_RB1@49 RB1@23	23.38(18.7 21.57)	21.341	0.136	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2394.99MHz_QPSK DFT-s-OFDM QPSK_RB12@38 RB12@6	23.43(18.68 21.66)	21.412	0.138	2.00	Pass

Note:

P_Total(P_LTE | P_NR);

EIRP = P + Ant Gain – CL;

ERP = EIRP -2.15;

EIRP_NSA = EIRP_LTE + EIRP_NR;

ERP_NSA = ERP_LTE + ERP_NR

DC_5A_n40A:

n40:

1.Ant Gain =-1.07 dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB;

5A:

1.Ant Gain =-4.90 dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB;