

RF power output

DC_5A_n38A

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB12@6	23.19(19.85 20.49)	20.047	0.101	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB12@6	21.69(19.89 17.01)	17.985	0.063	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB12@6	22.92(19.86 19.96)	19.691	0.093	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK CP-OFDM QPSK_RB1@0 RB1@0	23.14(19.74 20.49)	20.013	0.1	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK CP-OFDM QPSK_RB12@0 RB12@6	23.23(19.83 20.58)	20.103	0.102	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB12@6	23.23(19.88 20.53)	20.084	0.102	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB12@6	22.45(19.85 18.99)	19.068	0.081	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB12@6	23.19(19.84 20.49)	20.044	0.101	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@0 RB1@0	23.21(19.79 20.57)	20.084	0.102	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB12@6	23.14(19.83 20.41)	19.985	0.1	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM QPSK_RB1@0 RB1@0	23.27(19.99 20.51)	20.104	0.102	2.00	Pass
10MHz 10MHz_30kHz_829MHz 2575 MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB12@6	23.13(19.84 20.39)	19.975	0.099	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB12@6	22.38(19.54 19.19)	19.078	0.081	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB12@6	21.07(19.55 15.77)	17.22	0.053	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB12@6	22.06(19.52 18.53)	18.659	0.073	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM QPSK_RB12@0 RB12@6	22.56(19.57 19.52)	19.302	0.085	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB12@6	22.54(19.56 19.49)	19.279	0.085	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB12@6	21.86(19.55 18.02)	18.37	0.069	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB12@6	22.62(19.57 19.64)	19.381	0.087	2.00	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB12@6	22.56(19.56 19.53)	19.305	0.085	2.00	Pass
10MHz 10MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB12@6	22.55(19.55 19.52)	19.295	0.085	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK CP-OFDM 16 QAM_RB12@38 RB12@6	22.09(18.65 19.47)	18.972	0.079	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK CP-OFDM 256 QAM_RB12@38 RB12@6	20.51(18.67 15.9)	16.82	0.048	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK CP-OFDM 64 QAM_RB12@38 RB12@6	21.77(18.67 18.85)	18.554	0.072	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK CP-OFDM QPSK_RB1@49 RB1@23	21.92(18.63 19.17)	18.758	0.075	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK CP-OFDM QPSK_RB12@38 RB12@6	22.09(18.64 19.47)	18.969	0.079	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM 16 QAM_RB12@38 RB12@6	22.03(18.65 19.36)	18.895	0.078	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM 256 QAM_RB12@38 RB12@6	21.29(18.64 17.88)	17.92	0.062	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM 64 QAM_RB12@38 RB12@6	22.02(18.63 19.35)	18.882	0.077	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@49 RB1@23	21.93(18.67 19.16)	18.764	0.075	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@38 RB12@6	21.95(18.64 19.22)	18.795	0.076	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM QPSK_RB1@49 RB1@23	21.82(18.56 19.04)	18.647	0.073	2.00	Pass
10MHz 10MHz_30kHz_844MHz 2615MHz_QPSK DFT-s-OFDM QPSK_RB12@38 RB12@6	21.98(18.64 19.28)	18.837	0.077	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB19@9	23.03(19.82 20.21)	19.846	0.097	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB19@9	21.59(19.85 16.79)	17.857	0.061	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB19@9	22.84(19.85 19.81)	19.589	0.091	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK CP-OFDM QPSK_RB1@0 RB1@0	23.15(19.86 20.41)	19.995	0.1	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK CP-OFDM QPSK_RB12@0 RB19@9	23.1(19.86 20.3)	19.92	0.098	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB18@9	23.1(19.86 20.3)	19.92	0.098	2.00	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB18@9	22.33(19.87 18.7)	18.901	0.078	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB18@9	23.08(19.83 20.29)	19.903	0.098	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@0 RB1@0	23.35(20.18 20.5)	20.158	0.104	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB18@9	23.06(19.84 20.25)	19.879	0.097	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM QPSK_RB1@0 RB1@0	23.18(19.92 20.41)	20.014	0.1	2.00	Pass
10MHz 15MHz_30kHz_829MHz 2577.5MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB18@9	23.09(19.87 20.28)	19.909	0.098	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB19@9	22.5(19.5 19.47)	19.245	0.084	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB19@9	21.18(19.53 16.17)	17.393	0.055	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB19@9	22.35(19.52 19.16)	19.051	0.08	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM QPSK_RB12@0 RB19@9	22.55(19.53 19.55)	19.308	0.085	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB18@9	22.54(19.53 19.53)	19.295	0.085	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB18@9	21.88(19.51 18.12)	18.411	0.069	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB18@9	22.56(19.52 19.58)	19.325	0.086	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB18@9	22.56(19.56 19.53)	19.305	0.085	2.00	Pass
10MHz 15MHz_30kHz_836.5MHz 2595MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB18@9	22.53(19.53 19.51)	19.282	0.085	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK CP-OFDM 16 QAM_RB12@38 RB19@9	22.02(18.65 19.34)	18.881	0.077	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK CP-OFDM 256 QAM_RB12@38 RB19@9	20.53(18.67 15.96)	16.851	0.048	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK CP-OFDM 64 QAM_RB12@38 RB19@9	21.76(18.65 18.85)	18.548	0.072	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK CP-OFDM QPSK_RB1@49 RB1@37	21.85(18.56 19.11)	18.695	0.074	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK CP-OFDM QPSK_RB12@38 RB19@9	22.05(18.64 19.4)	18.92	0.078	2.00	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM 16 QAM_RB12@38 RB18@9	21.95(18.64 19.22)	18.795	0.076	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM 256 QAM_RB12@38 RB18@9	21.32(18.65 17.94)	17.961	0.063	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM 64 QAM_RB12@38 RB18@9	22.05(18.65 19.39)	18.916	0.078	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@49 RB1@37	21.97(18.64 19.26)	18.823	0.076	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@38 RB18@9	22.02(18.63 19.36)	18.889	0.077	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM QPSK_RB1@49 RB1@37	21.9(18.56 19.19)	18.75	0.075	2.00	Pass
10MHz 15MHz_30kHz_844MHz 2612.5MHz_QPSK DFT-s-OFDM QPSK_RB12@38 RB18@9	22.01(18.64 19.34)	18.878	0.077	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB25@12	22.95(19.82 20.06)	19.745	0.094	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB25@12	21.55(19.83 16.71)	17.807	0.06	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB25@12	22.8(19.85 19.72)	19.53	0.09	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK CP-OFDM QPSK_RB1@0 RB1@0	23.16(19.88 20.4)	19.994	0.1	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK CP-OFDM QPSK_RB12@0 RB25@12	23.04(19.84 20.21)	19.852	0.097	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB25@12	23.02(19.84 20.18)	19.832	0.096	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB25@12	22.3(19.84 18.67)	18.871	0.077	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB25@12	23.05(19.86 20.22)	19.865	0.097	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@0 RB1@0	23.29(20.05 20.5)	20.116	0.103	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB25@12	23(19.83 20.14)	19.802	0.096	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM QPSK_RB1@0 RB1@0	23.12(19.77 20.43)	19.981	0.1	2.00	Pass
10MHz 20MHz_30kHz_829MHz 2580MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB25@12	23.02(19.85 20.16)	19.822	0.096	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 2595MHz_QPSK CP-OFDM 16 QAM_RB12@0 RB25@12	22.52(19.57 19.44)	19.25	0.084	2.00	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK CP-OFDM 256 QAM_RB12@0 RB25@12	21.15(19.55 16.04)	17.343	0.054	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK CP-OFDM 64 QAM_RB12@0 RB25@12	22.36(19.56 19.13)	19.047	0.08	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK CP-OFDM QPSK_RB12@0 RB25@12	22.62(19.56 19.65)	19.384	0.087	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK DFT-s-OFDM 16 QAM_RB12@0 RB25@12	22.55(19.52 19.56)	19.311	0.085	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK DFT-s-OFDM 256 QAM_RB12@0 RB25@12	21.88(19.5 18.13)	18.413	0.069	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK DFT-s-OFDM 64 QAM_RB12@0 RB25@12	22.61(19.5 19.69)	19.391	0.087	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@0 RB25@12	22.56(19.53 19.57)	19.321	0.086	2.00	Pass
10MHz 20MHz_30kHz_836.5MHz 25 95MHz_QPSK DFT-s-OFDM QPSK_RB12@0 RB25@12	22.57(19.52 19.59)	19.331	0.086	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK CP-OFDM 16 QAM_RB12@38 RB25@12	21.99(18.63 19.3)	18.848	0.077	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK CP-OFDM 256 QAM_RB12@38 RB25@12	20.51(18.66 15.91)	16.821	0.048	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK CP-OFDM 64 QAM_RB12@38 RB25@12	21.83(18.64 18.99)	18.639	0.073	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK CP-OFDM QPSK_RB1@49 RB1@50	21.97(18.63 19.27)	18.827	0.076	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK CP-OFDM QPSK_RB12@38 RB25@12	22.09(18.65 19.47)	18.972	0.079	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM 16 QAM_RB12@38 RB25@12	22.06(18.64 19.43)	18.941	0.078	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM 256 QAM_RB12@38 RB25@12	21.35(18.66 18)	18.002	0.063	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM 64 QAM_RB12@38 RB25@12	22.12(18.67 19.51)	19.006	0.08	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB1@49 RB1@50	21.95(18.57 19.28)	18.815	0.076	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM PI/2 BPSK_RB12@38 RB25@12	22.08(18.71 19.41)	18.948	0.078	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM QPSK_RB1@49 RB1@50	21.93(18.64 19.18)	18.768	0.075	2.00	Pass
10MHz 20MHz_30kHz_844MHz 2610 MHz_QPSK DFT-s-OFDM QPSK_RB12@38 RB25@12	22.06(18.64 19.43)	18.941	0.078	2.00	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	EIRP (W)	Limit (W)	Result
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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_n38A:

n38:

1.Ant Gain = -2.05 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;