

1. Transmitter Conducted Power Output

1.1 Test Result

1.1.1 B26a_1.4MHz_ERP

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	23.67	<=50	Pass
			2	23.72	<=50	Pass
			5	23.64	<=50	Pass
		3	0	23.61	<=50	Pass
			2	23.69	<=50	Pass
			3	23.62	<=50	Pass
		6	0	22.60	<=50	Pass
	819	1	0	23.57	<=50	Pass
			2	23.60	<=50	Pass
			5	23.66	<=50	Pass
		3	0	23.61	<=50	Pass
			2	23.65	<=50	Pass
			3	23.61	<=50	Pass
		6	0	22.68	<=50	Pass
	823.3	1	0	23.38	<=50	Pass
			2	23.35	<=50	Pass
			5	23.36	<=50	Pass
		3	0	23.38	<=50	Pass
			2	23.45	<=50	Pass
			3	23.39	<=50	Pass
		6	0	22.36	<=50	Pass
16QAM	814.7	1	0	22.69	<=50	Pass
			2	22.67	<=50	Pass
			5	22.58	<=50	Pass
		3	0	22.59	<=50	Pass
			2	22.75	<=50	Pass
			3	22.88	<=50	Pass
		6	0	21.61	<=50	Pass
	819	1	0	22.51	<=50	Pass
			2	22.82	<=50	Pass
			5	22.64	<=50	Pass
		3	0	22.81	<=50	Pass
			2	22.59	<=50	Pass
			3	22.52	<=50	Pass
		6	0	21.58	<=50	Pass
	823.3	1	0	22.49	<=50	Pass
			2	22.37	<=50	Pass
			5	22.49	<=50	Pass
		3	0	22.45	<=50	Pass
			2	22.64	<=50	Pass
			3	22.48	<=50	Pass
		6	0	21.29	<=50	Pass

1.1.2 B26a_3MHz_ERP

Band: 26a / Bandwidth: 3MHz / NTNV				
Modulation	Frequency	RB Allocation	Conducted Power (dBm)	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	815.5	1	0	23.41	<=50	Pass
			7	23.44	<=50	Pass
			14	23.35	<=50	Pass
		8	0	22.42	<=50	Pass
			4	22.44	<=50	Pass
			7	22.43	<=50	Pass
		15	0	22.39	<=50	Pass
	819	1	0	23.38	<=50	Pass
			7	23.47	<=50	Pass
			14	23.52	<=50	Pass
		8	0	22.48	<=50	Pass
			4	22.54	<=50	Pass
			7	22.57	<=50	Pass
		15	0	22.62	<=50	Pass
	822.5	1	0	23.59	<=50	Pass
			7	23.61	<=50	Pass
			14	23.56	<=50	Pass
		8	0	22.60	<=50	Pass
			4	22.64	<=50	Pass
			7	22.58	<=50	Pass
		15	0	22.58	<=50	Pass
16QAM	815.5	1	0	22.91	<=50	Pass
			7	22.63	<=50	Pass
			14	22.39	<=50	Pass
		8	0	21.54	<=50	Pass
			4	21.44	<=50	Pass
			7	21.46	<=50	Pass
		15	0	21.48	<=50	Pass
	819	1	0	22.51	<=50	Pass
			7	23.04	<=50	Pass
			14	22.69	<=50	Pass
		8	0	21.53	<=50	Pass
			4	21.67	<=50	Pass
			7	21.58	<=50	Pass
		15	0	21.67	<=50	Pass
	822.5	1	0	22.71	<=50	Pass
			7	22.69	<=50	Pass
			14	23.07	<=50	Pass
		8	0	21.58	<=50	Pass
			4	21.70	<=50	Pass
			7	21.77	<=50	Pass
		15	0	21.61	<=50	Pass

1.1.3 B26a_5MHz_ERP

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	23.51	<=50	Pass
			13	23.57	<=50	Pass
			24	23.49	<=50	Pass
		12	0	22.55	<=50	Pass
			6	22.54	<=50	Pass
			13	22.51	<=50	Pass
		25	0	22.54	<=50	Pass
	819	1	0	23.51	<=50	Pass

			13	23.55	<=50	Pass
			24	23.57	<=50	Pass
		12	0	22.53	<=50	Pass
			6	22.61	<=50	Pass
			13	22.60	<=50	Pass
		25	0	22.63	<=50	Pass
	821.5	1	0	23.50	<=50	Pass
			13	23.65	<=50	Pass
			24	23.55	<=50	Pass
		12	0	22.59	<=50	Pass
			6	22.63	<=50	Pass
			13	22.62	<=50	Pass
25	0	22.63	<=50	Pass		
16QAM	816.5	1	0	22.72	<=50	Pass
			13	22.62	<=50	Pass
			24	22.34	<=50	Pass
		12	0	21.60	<=50	Pass
			6	21.52	<=50	Pass
			13	21.52	<=50	Pass
	25	0	21.56	<=50	Pass	
	819	1	0	22.33	<=50	Pass
			13	22.76	<=50	Pass
			24	22.63	<=50	Pass
		12	0	21.55	<=50	Pass
			6	21.68	<=50	Pass
			13	21.61	<=50	Pass
	25	0	21.67	<=50	Pass	
	821.5	1	0	22.59	<=50	Pass
			13	22.51	<=50	Pass
			24	22.80	<=50	Pass
		12	0	21.63	<=50	Pass
			6	21.67	<=50	Pass
			13	21.65	<=50	Pass
	25	0	21.65	<=50	Pass	

1.1.4 B26a_10MHz_ERP

Band: 26a / Bandwidth: 10MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	23.52	<=50	Pass
			25	23.49	<=50	Pass
			49	23.52	<=50	Pass
		25	0	22.56	<=50	Pass
			13	22.69	<=50	Pass
			25	22.66	<=50	Pass
		50	0	22.66	<=50	Pass
16QAM	819	1	0	23.05	<=50	Pass
			25	22.62	<=50	Pass
			49	22.58	<=50	Pass
		25	0	21.64	<=50	Pass
			13	21.73	<=50	Pass
			25	21.75	<=50	Pass
		50	0	21.69	<=50	Pass

2. Field Strength of Spurious Radiation

LTE Band 26a(814-824MHz)-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1629.0	-70.72	-13	-57.72	-73.65	2.62	5.55	Horizontal	Pass
2443.5	-61.65	-13	-48.65	-64.29	3.04	5.68	Horizontal	Pass
3258.0	-66.75	-13	-53.75	-71.03	3.28	7.56	Horizontal	Pass
1629.0	-67.54	-13	-54.54	-70.47	2.62	5.55	Vertical	Pass
2443.5	-61.69	-13	-48.69	-64.33	3.04	5.68	Vertical	Pass
3258.0	-67.25	-13	-54.25	-71.53	3.28	7.56	Vertical	Pass