# 1. Transmitter Conducted Power Output

## 1.1 Test Result

### 1.1.1 B26a\_1.4MHz

	Band: 26a / Bandwidth: 1.4MHz / NTNV										
Modulation	Frequency	RB All	ocation	Conducted F	Power (dBm)	Vordict					
wouldtion	(MHz)	Size	Offset	Result	Limit	Veruici					
			0	24.07	<=50	Pass					
		1	2	23.99	<=50	Pass					
			5	24.10	<=50	Pass					
	819		0	24.10	<=50	Pass					
		3	2	24.05	<=50	Pass					
			3	24.12	<=50	Pass					
OPSK		6	0	23.24	<=50	Pass					
QFSK			0	24.08	<=50	Pass					
		1	2	24.12	<=50	Pass					
			5	24.09	<=50	Pass					
	823.3		0	24.09	<=50	Pass					
		3	2	24.17	<=50	Pass					
			3	24.13	<=50	Pass					
		6	0	23.20	<=50	Pass					
			0	23.41	<=50	Pass					
		1	2	23.24	<=50	Pass					
			5	23.25	<=50	Pass					
	819	3	0	23.26	<=50	Pass					
			2	23.22	<=50	Pass					
16QAM			3	23.42	<=50	Pass					
		6	0	22.13	<=50	Pass					
			0	23.22	<=50	Pass					
		1	2	23.32	<=50	Pass					
	823.3		5	23.21	<=50	Pass					
		3	0	23.23	<=50	Pass					
		5	2	23.21	<=50	Pass					
QPSK	814.7	1	0	24.13	<=50	Pass					
16QAM	823.3	3	3	23.40	<=50	Pass					
QPSK	814.7	1	2	24.02	<=50	Pass					
16QAM	823.3	6	0	22.11	<=50	Pass					
QPSK	814.7	1	5	24.04	<=50	Pass					
640AM	814 7	1	0	22.05	<=50	Pass					
0-102/11/1	014.7	•	2	22.25	<=50	Pass					
OPSK	814 7	3	0	23.18	<=50	Pass					
di on	011.7	Ű	2	24.10	<=50	Pass					
64QAM	814.7	1	5	22.56	<=50	Pass					
QPSK	814.7	3	3	24.03	<=50	Pass					
64QAM	814.7	3	0	22.12	<=50	Pass					
QPSK	814.7	6	0	23.20	<=50	Pass					
		3	2	22.39	<=50	Pass					
	814.7		3	22.39	<=50	Pass					
		6	0	21.22	<=50	Pass					
			0	22.31	<=50	Pass					
64QAM		1	2	22.62	<=50	Pass					
	_		5	22.10	<=50	Pass					
	819		0	22.44	<=50	Pass					
		3	2	22.43	<=50	Pass					
			3	22.15	<=50	Pass					
		6	0	21.40	<=50	Pass					

			0	22.28	<=50	Pass
		1	2	22.59	<=50	Pass
			5	22.09	<=50	Pass
	823.3		0	22.15	<=50	Pass
		3	2	22.42	<=50	Pass
			3	22.41	<=50	Pass
		6	0	21.25	<=50	Pass
		1	0	23.26	<=50	Pass
			2	23.46	<=50	Pass
			5	23.29	<=50	Pass
16QAM	814.7		0	23.35	<=50	Pass
		3	2	23.27	<=50	Pass
			3	23.19	<=50	Pass
		6	0	22.19	<=50	Pass

### 1.1.2 B26a\_3MHz

		Ban	d: 26a / Bandwidt	h: 3MHz / NTNV		
Modulation	Frequency	RB A	llocation	Conducted	Power (dBm)	Vardiat
wooulation	(MHz)	Size	Offset	Result	Limit	verdici
			0	24.16	<=50	Pass
		1	7	24.11	<=50	Pass
			14	24.02	<=50	Pass
	815.5		0	23.15	<=50	Pass
		8	4	23.14	<=50	Pass
			7	23.17	<=50	Pass
		15	0	23.15	<=50	Pass
			0	24.14	<=50	Pass
		1	7	24.10	<=50	Pass
			14	24.05	<=50	Pass
QPSK	819		0	23.18	<=50	Pass
		8	4	23.19	<=50	Pass
			7	23.24	<=50	Pass
		15	0	23.18	<=50	Pass
			0	24.14	<=50	Pass
		1	7	24.12	<=50	Pass
			14	24.06	<=50	Pass
	822.5		0	23.18	<=50	Pass
		8	4	23.20	<=50	Pass
			7	23.23	<=50	Pass
		15	0	23.17	<=50	Pass
		1	0	23.20	<=50	Pass
			7	23.31	<=50	Pass
			14	23.67	<=50	Pass
	815.5		0	22.26	<=50	Pass
		8	4	22.15	<=50	Pass
			7	22.30	<=50	Pass
		15	0	22.20	<=50	Pass
100044			0	23.23	<=50	Pass
TOQAIVI		1	7	23.36	<=50	Pass
			14	23.69	<=50	Pass
	819		0	22.27	<=50	Pass
		8	4	22.18	<=50	Pass
			7	22.34	<=50	Pass
		15	0	22.22	<=50	Pass
	822.5	4	0	23.21	<=50	Pass
		1	7	23.35	<=50	Pass

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			14	23.69	<=50	Pass
			0	22.27	<=50	Pass
		8	4	22.19	<=50	Pass
			7	22.35	<=50	Pass
		15	0	22.22	<=50	Pass
			0	22.21	<=50	Pass
		1	7	22.40	<=50	Pass
			14	22.01	<=50	Pass
815.5	815.5		0	21.07	<=50	Pass
		8	4	21.33	<=50	Pass
			7	21.18	<=50	Pass
		15	0	21.29	<=50	Pass
		1	0	22.23	<=50	Pass
			7	22.44	<=50	Pass
			14	22.03	<=50	Pass
64QAM	819		0	21.11	<=50	Pass
		8	4	21.37	<=50	Pass
			7	21.22	<=50	Pass
		15	0	21.31	<=50	Pass
			0	22.24	<=50	Pass
		1	7	22.44	<=50	Pass
			14	22.03	<=50	Pass
	822.5		0	21.10	<=50	Pass
		8	4	21.37	<=50	Pass
			7	21.23	<=50	Pass
		15	0	21.30	<=50	Pass

## 1.1.3 B26a\_5MHz

		Band	l: 26a / Bandwidtl	n: 5MHz / NTNV		
Modulation	Frequency	RB All	ocation	Conducted	Power (dBm)	Vardiat
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
			0	24.28	<=50	Pass
		1	13	24.15	<=50	Pass
			24	24.19	<=50	Pass
	816.5		0	23.20	<=50	Pass
		12	6	23.20	<=50	Pass
			13	23.22	<=50	Pass
		25	0	23.26	<=50	Pass
QPSK			0	24.28	<=50	Pass
		1	13	24.17	<=50	Pass
			24	24.19	<=50	Pass
	819		0	23.21	<=50	Pass
		12	6	23.19	<=50	Pass
	-		13	23.24	<=50	Pass
		25	0	23.27	<=50	Pass
			0	24.26	<=50	Pass
		1	13	24.16	<=50	Pass
			24	24.21	<=50	Pass
	821.5		0	23.22	<=50	Pass
		12	6	23.20	<=50	Pass
			13	23.24	<=50	Pass
		25	0	23.24	<=50	Pass
			0	23.31	<=50	Pass
1604M	016 E	1	13	23.45	<=50	Pass
INADAL	0.010		24	23.10	<=50	Pass
		12	0	22.23	<=50	Pass

			6	22.25	<=50	Pass
			13	22.23	<=50	Pass
		25	0	22.25	<=50	Pass
			0	23.34	<=50	Pass
		1	13	23.48	<=50	Pass
			24	23.10	<=50	Pass
	819		0	22.24	<=50	Pass
		12	6	22.27	<=50	Pass
			13	22.25	<=50	Pass
		25	0	22.28	<=50	Pass
			0	23.34	<=50	Pass
		1	13	23.49	<=50	Pass
			24	23.12	<=50	Pass
	821.5		0	22.24	<=50	Pass
		12	6	22.28	<=50	Pass
			13	22.25	<=50	Pass
		25	0	22.26	<=50	Pass
			0	22.35	<=50	Pass
		1	13	22.18	<=50	Pass
			24	22.41	<=50	Pass
	816.5		0	21.22	<=50	Pass
		12	6	21.15	<=50	Pass
			13	21.33	<=50	Pass
		25	0	21.27	<=50	Pass
			0	22.37	<=50	Pass
		1	13	22.20	<=50	Pass
			24	22.44	<=50	Pass
64QAM	819		0	21.26	<=50	Pass
		12	6	21.18	<=50	Pass
			13	21.35	<=50	Pass
		25	0	21.29	<=50	Pass
			0	22.38	<=50	Pass
		1	13	22.21	<=50	Pass
			24	22.41	<=50	Pass
	821.5		0	21.26	<=50	Pass
		12	6	21.18	<=50	Pass
			13	21.36	<=50	Pass
	25	0	21.27	<=50	Pass	

## 1.1.4 B26a\_10MHz

		Band:	26a / Bandwidth:	10MHz / NTNV		
Madulation	Frequency	RB Allo	ocation	Conducted F	Vardiat	
wooulation	(MHz)	Size	Offset	Result	Limit	verdict
			0	24.20	<=50	Pass
		1	25	24.16	<=50	Pass
			49	24.21	<=50	Pass
QPSK	819	25	0	23.21	<=50	Pass
			13	23.24	<=50	Pass
			25	23.23	<=50	Pass
		50	0	23.20	<=50	Pass
		1	0	23.75	<=50	Pass
			25	23.21	<=50	Pass
100414	040		49	23.38	<=50	Pass
16QAM	819	25	0	22.26	<=50	Pass
			13	22.30	<=50	Pass
			25	22.22	<=50	Pass

		50	0	22.21	<=50	Pass
64QAM 819			0	22.08	<=50	Pass
	1	25	22.25	<=50	Pass	
		49	22.46	<=50	Pass	
	819	25	0	21.25	<=50	Pass
			13	21.30	<=50	Pass
			25	21.25	<=50	Pass
		50	0	21.22	<=50	Pass

# 2. Frequency Stability

### 2.1 Test Result

## 2.1.1 B26a\_10MHz

				Band: 26a	a / Bandwid	th: 10MHz			
Modulation	Frequency	RB Allocation		Temp.	Voltage	Freq. Error	Freq. vs.	Rated (ppm)	Vordict
Nouulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	verdict
					3.6	-2.317	-0.0028	-2.5 to 2.5	Pass
				20	3.85	-3.905	-0.0048	-2.5 to 2.5	Pass
	819				4.3	-4.163	-0.0051	-2.5 to 2.5	Pass
		50	0	-30	3.85	-3.719	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0042	-2.5 to 2.5	Pass
QPSK				-10	3.85	-3.290	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-2.847	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0024	-2.5 to 2.5	Pass

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

### 3.1.1 Band26a\_OBW

	Band: 26a / NTNV										
Rondwidth (MHz)	Modulation	Frequency	RB All	ocation	99% Occupied E	Bandwidth (MHz)	Vordiot				
	wouldtion	(MHz)	Size	Offset	Result	Limit	verdict				
1.4	QPSK	819	6	0	1.101	/	Pass				
	16QAM	819	6	0	1.113	/	Pass				
2	QPSK	819	15	0	2.739	/	Pass				
5	16QAM	819	15	0	2.727	/	Pass				
F	QPSK	819	25	0	4.554	/	Pass				
5	16QAM	819	25	0	4.556	/	Pass				
10	QPSK	819	50	0	9.048	/	Pass				
	16QAM	819	50	0	9.063	/	Pass				

### 3.1.2 Band26a\_XDB

	Band: 26a / NTNV										
Rondwidth (MHz)	Modulation	Frequency	RB Alle	ocation	26dB Band	26dB Bandwidth (MHz)					
Bandwidth (IVII 12)	wodulation	(MHz)	Size	Offset	Result	Limit	verdict				
1.4	QPSK	819	6	0	1.325	/	Pass				
	16QAM	819	6	0	1.314	/	Pass				
2	QPSK	819	15	0	3.054	/	Pass				
3	16QAM	819	15	0	3.041	/	Pass				
F	QPSK	819	25	0	5.046	/	Pass				
5	16QAM	819	25	0	5.036	/	Pass				
10	QPSK	819	50	0	10.004	/	Pass				
	16QAM	819	50	0	10.061	/	Pass				

### 3.2 Test Graph

#### 3.2.1 Band26a\_OBW









#### 3.2.2 Band26a\_XDB









# 4. Peak-Average Ratio

#### 4.1 Test Result

## 4.1.1 B26a\_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV										
Modulation	Frequency	RB Allocation		Peak-Average	Vordict					
	(MHz)	Size	Offset	Result	Limit	Veruici				
QPSK	819	50	0	5.32	<=13	Pass				
16QAM	819	50	0	6.13	<=13	Pass				
64QAM	819	50	0	6.49	<=13	Pass				

## 4.2 Test Graph

#### 4.2.1 B26a\_10MHz





## 5. Spurious Emission

#### 5.1 Test Result

#### 5.1.1 B26a\_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency	RB Allocation		Spurious Emission		Vordiot		
	(MHz)	Size	Offset	Result	Limit	verdict		
QPSK	814.7	1	0	Refer To Test Graph		Pass		
		6	0	Refer To Test	Pass			
	819	1	0	Refer To Test Graph		Pass		
	823.3	1	0	Refer To Test	Pass			
			5	Refer To Test Graph		Pass		
		6	0	Refer To Test Graph		Pass		

#### 5.1.2 B26a\_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV								
Modulation	Frequency	RB Allocation		Spurious Emi	Vordiot			
	(MHz)	Size	Offset	Result	Limit	verdict		
QPSK	815.5	1	0	Refer To Test Graph		Pass		
		15	0	Refer To Test	Pass			
	819	1	0	Refer To Test Graph		Pass		
	822.5	1	0	Refer To Test	Pass			
			14	Refer To Test	Pass			
		15		0	Refer To Test Graph		Pass	

#### 5.1.3 B26a\_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency	RB Allocation		Spurious Emission		Vordiot		
	(MHz)	Size	Offset	Result	Limit	Verdict		
QPSK -	816.5	1	0	Refer To Test Graph		Pass		
		25	0	Refer To Test	Pass			
	819	1	0	Refer To Test Graph		Pass		
	821.5	1	0	Refer To Test	Pass			
			24	Refer To Test	Pass			
		25		0	Refer To Test	Pass		

#### 5.1.4 B26a\_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Spurious Emi	Vardiat			
		Size	Offset	Result	Limit	verdict		
QPSK	819	1	0	Refer To Test Graph		Pass		
		50	0	Refer To Test Graph		Pass		
	819	1	49	Refer To Test Graph		Pass		
		50	0	Refer To Test Graph		Pass		

### 5.2 Test Graph

#### 5.2.1 B26a\_1.4MHz









#### 5.2.2 B26a\_3MHz









#### 5.2.3 B26a\_5MHz









#### 5.2.4 B26a\_10MHz







LTE Band 26a(814-824MHz) ANT31-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	-71.02	-13	-58.02	-73.95	2.62	5.55	Horizontal	Pass		
2443.5	-69.31	-13	-56.31	-71.95	3.04	5.68	Horizontal	Pass		
3258.0	-66.09	-13	-53.09	-70.37	3.28	7.56	Horizontal	Pass		
1629.0	-71.08	-13	-58.08	-74.01	2.62	5.55	Vertical	Pass		
2443.5	-69.32	-13	-56.32	-71.96	3.04	5.68	Vertical	Pass		
3258.0	-66.66	-13	-53.66	-70.94	3.28	7.56	Vertical	Pass		

# 6. Field Strength of Spurious Radiation