



香港商立德國際商品試驗有限公司桃園分公司

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch 【Bureau Veritas ADT】

WWAN Test Record

BV ADT No: 170428E06

REPORT No: RF170428E06

DATE: 6/26/2017

EUT: LTE Cat9 PCI Express M.2

MODEL: T77W676

SAMPLE NO. :

E170510-008-035-008

Transmitter or Reciever operation mode:

WCDMA<E

AMBIENT TEMPERATURE : 25 °C

RELATIVE HUMIDITY : 63 %RH

TEST STANDARD: FCC Part 27

TEST SITE: OVEN 1

TEST PERSONNEL : Weiwei Lo

APPROVED BY:

Radiated power

WCDMA-Band IV

Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
1312	1712.4	22.14	6.38	28.52	711.21
1413	1732.6	22.17	6.42	28.59	722.77
1513	1752.6	22.08	6.45	28.53	712.85
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 1.4M QPSK 1RB

Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
19957	1710.7	21.13	6.38	27.51	563.64
20175	1732.5	21.23	6.42	27.65	582.10
20393	1754.3	20.89	6.45	27.34	542.00
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 3M QPSK 1RB

Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
19965	1711.5	21.06	6.36	27.42	552.08
20175	1732.5	21.04	6.42	27.46	557.19
20385	1753.5	20.98	6.42	27.40	549.54
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				



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WCDMA/ LTE Test Record

LTE Band 4 5M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
19975	1712.5	21.25	6.38	27.63	579.43
20175	1732.5	21.31	6.42	27.73	592.93
20375	1752.5	20.83	6.45	27.28	534.56
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 10M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20000	1715	21.21	6.38	27.59	574.12
20175	1732.5	21.32	6.42	27.74	594.29
20393	1754.3	20.97	6.45	27.42	552.08
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 15M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20025	1717.5	21.17	6.39	27.56	570.16
20175	1732.5	21.19	6.42	27.61	576.77
20325	1747.5	21.08	6.44	27.52	564.94
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 20M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20050	1720	21.37	6.39	27.76	597.04
20175	1732.5	21.46	6.42	27.88	613.76
20300	1745	21.29	6.44	27.73	592.93
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 17 5M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23755	706.5	22.85	1.51	24.36	272.90
23790	710	24.00	1.46	25.46	351.56
23825	713.5	22.78	1.40	24.18	261.82
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				



WCDMA/ LTE Test Record

LTE Band 17 10M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23780	709	22.96	1.47	24.43	277.33
23790	710	24.00	1.46	25.46	351.56
23800	711	22.82	1.44	24.26	266.69
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 1.4M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23017	699.7	22.10	1.62	23.72	235.50
23095	707.5	22.44	1.50	23.94	247.74
23173	715.3	22.45	1.37	23.82	240.99
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 3M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23025	700.5	22.22	1.61	23.83	241.55
23095	707.5	22.57	1.50	24.07	255.27
23165	714.5	22.65	1.39	24.04	253.51
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 5M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23035	701.5	22.54	1.59	24.13	258.82
23095	707.5	22.67	1.50	24.17	261.22
23155	713.5	22.61	1.40	24.01	251.77
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 10M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23060	704	22.49	1.55	24.04	253.51
23095	707.5	22.87	1.50	24.37	273.53
23130	711	22.79	1.44	24.23	264.85
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				



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WCDMA/ LTE Test Record

LTE Band 13 5M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23205	779.5	22.48	1.25	23.73	236.05
23230	782	22.65	1.29	23.94	247.74
23255	784.5	22.32	1.32	23.64	231.21
Limit	Portable stations operating in the 776-788 MHz band are limited to 3 watts ERP				

LTE Band 13 10M QPSK 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23230	782	22.47	1.29	23.76	237.68
Limit	Portable stations operating in the 776-788 MHz band are limited to 3 watts ERP				

LTE Band 7 5M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20775	2502.5	20.63	6.65	27.28	534.56
21100	2535	20.85	6.68	27.53	566.24
21425	2567.5	20.51	6.71	27.22	527.23
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 7 10M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20800	2505	20.83	6.65	27.48	559.76
21100	2535	21.05	6.68	27.73	592.93
21400	2565	20.88	6.71	27.59	574.12
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 7 15M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20825	2507.5	20.76	6.66	27.42	552.08
21100	2535	20.93	6.68	27.61	576.77
21375	2562.5	20.81	6.71	27.52	564.94
Limit	UE e.i.r.p. not exceed 2 watts				



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WCDMA/ LTE Test Record

LTE Band 7 20M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20850	2510	21.07	6.66	27.73	592.93
21100	2535	21.30	6.68	27.98	628.06
21350	2560	21.17	6.71	27.88	613.76
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 30 5M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm/5MHz)	Correction Factor (dB)	EIRP POWER	
				dBm/5MHz	mW/5MHz
27685	2307.5	12.98	6.75	19.73	93.97
27710	2310	13.20	6.74	19.94	98.63
27735	2312.5	12.33	6.74	19.07	80.72
Limit	Fixed stations Peak EIRP not exceed 20 watts within any 5 megahertz of authorized bandwidth UE average EIRP must not exceed 50 milliwatts within any 1 megahertz				

LTE Band 30 10M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm/5MHz)	Correction Factor (dB)	EIRP POWER	
				dBm/5MHz	mW/5MHz
27710	2310	9.99	6.74	16.73	47.09
Limit	Fixed stations Peak EIRP not exceed 20 watts within any 5 megahertz of authorized bandwidth UE average EIRP must not exceed 50 milliwatts within any 1 megahertz				

LTE Band 38 5M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37775	2572.5	21.79	6.72	28.51	709.58
38000	2595	22.38	6.74	29.12	816.58
38225	2617.5	22.33	6.76	29.09	810.96
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 38 10M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37800	2575	21.90	6.72	28.62	727.78
38000	2595	22.02	6.74	28.76	751.62
38200	2615	21.97	6.76	28.73	746.45
Limit	UE e.i.r.p. not exceed 2 watts				



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WCDMA/ LTE Test Record

LTE Band 38 15M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37825	2577.5	21.39	6.72	28.11	647.14
38000	2595	21.87	6.74	28.61	726.11
38175	2612.5	21.76	6.76	28.52	710.72
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 38 20M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37850	2580	21.46	6.73	28.19	659.17
38000	2595	21.97	6.74	28.71	743.02
38150	2610	21.86	6.76	28.62	727.78
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 41 5M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39675	2498.5	20.83	6.65	27.48	559.76
40620	2593	21.68	6.74	28.42	695.02
41565	2687.5	21.48	6.83	28.31	677.64
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 41 10M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39700	2501	20.77	6.65	27.42	552.08
40620	2593	21.74	6.74	28.48	704.69
41540	2685	21.56	6.83	28.39	690.24
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 41 15M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39725	2503.5	20.77	6.65	27.42	552.08
40620	2593	21.41	6.74	28.15	653.13
41515	2682.5	21.05	6.83	27.88	613.76
Limit	UE e.i.r.p. not exceed 2 watts				

**WCDMA/ LTE Test Record****LTE Band 41 20M QPSK 1RB Mode**

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39750	2506	21.02	6.66	27.68	586.14
40620	2593	21.68	6.74	28.42	695.02
41490	2680	21.57	6.82	28.39	690.24
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 66 1.4M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
131979	1710.7	21.18	6.38	27.56	570.16
132322	1745	21.32	6.44	27.76	597.04
132665	1779.3	21.23	6.50	27.73	592.93
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 3M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
131986	1711.4	21.20	6.38	27.58	572.80
132322	1745	21.21	6.44	27.65	582.10
132658	1778.6	21.11	6.50	27.61	576.77
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 5M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
131996	1712.4	21.31	6.38	27.69	587.49
132322	1745	21.32	6.44	27.76	597.04
132648	1777.6	21.23	6.50	27.73	592.93
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 10M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
132021	1714.9	21.28	6.38	27.66	583.45
132322	1745	21.24	6.44	27.68	586.14
132623	1775.1	21.15	6.49	27.64	580.76
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				



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WCDMA/ LTE Test Record

LTE Band 66 15M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
132046	1717.4	21.01	6.39	27.40	549.54
132322	1745	21.44	6.44	27.88	613.76
132598	1772.6	21.30	6.49	27.79	601.17
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 20M QPSK 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
132071	1719.9	21.15	6.39	27.54	567.54
132322	1745	21.14	6.44	27.58	572.80
132573	1770.1	21.08	6.48	27.56	570.16
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				



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WWAN Test Record

BV ADT No: 170428E06

REPORT No: RF170428E06

DATE: 6/26/2017

EUT: LTE Cat9 PCI Express M.2

MODEL: T77W676

SAMPLE NO.: E170510-008-035-008

Transmitter or Receiver operation mode:

WCDMA&LTE

AMBIENT TEMPERATURE: 25 °C

RELATIVE HUMIDITY: 63 %RH

TEST STANDARD: FCC Part 27

TEST SITE: OVEN 1

TEST PERSONNEL: Weiwei Lo

APPROVED BY:

Radiated power

LTE Band 4 1.4M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
19957	1710.7	19.84	6.38	26.22	418.79
20175	1732.5	20.73	6.42	27.15	518.80
20393	1754.3	19.16	6.45	25.61	363.92
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 3M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
19965	1711.5	20.06	6.36	26.42	438.53
20175	1732.5	19.19	6.42	25.61	363.92
20385	1753.5	20.88	6.42	27.30	537.03
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				



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LTE Band 4 5M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
19975	1712.5	20.53	6.38	26.91	490.91
20175	1732.5	21.28	6.42	27.70	588.84
20375	1752.5	20.74	6.45	27.19	523.60
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 10M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20000	1715	20.14	6.38	26.52	448.75
20175	1732.5	19.95	6.42	26.37	433.51
20393	1754.3	19.53	6.45	25.98	396.28
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 15M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20025	1717.5	19.19	6.39	25.58	361.41
20175	1732.5	20.78	6.42	27.20	524.81
20325	1747.5	19.91	6.44	26.35	431.52
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 4 20M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20050	1720	20.96	6.39	27.35	543.25
20175	1732.5	20.24	6.42	26.66	463.45
20300	1745	19.33	6.44	25.77	377.57
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 17 5M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23755	706.5	22.32	1.51	23.83	241.55
23790	710	22.13	1.46	23.59	228.56
23825	713.5	22.49	1.40	23.89	244.91
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				



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LTE Band 17 10M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23780	709	21.21	1.47	22.68	185.35
23790	710	23.93	1.46	25.39	345.94
23800	711	20.99	1.44	22.43	174.98
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 1.4M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23017	699.7	20.83	1.62	22.45	175.79
23095	707.5	22.15	1.50	23.65	231.74
23173	715.3	22.20	1.37	23.57	227.51
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 3M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23025	700.5	21.44	1.61	23.05	201.84
23095	707.5	21.66	1.50	23.16	207.01
23165	714.5	22.11	1.39	23.50	223.87
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 5M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23035	701.5	20.85	1.59	22.44	175.39
23095	707.5	21.62	1.50	23.12	205.12
23155	713.5	22.06	1.40	23.46	221.82
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				

LTE Band 12 10M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23060	704	21.98	1.55	23.53	225.42
23095	707.5	21.74	1.50	23.24	210.86
23130	711	20.88	1.44	22.32	170.61
Limit	Fixed, mobile, and portable stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP. Portable stations operating in the 698-746 MHz band are limited to 3 watts ERP				



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LTE Band 13 5M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23205	779.5	20.91	1.25	22.16	164.44
23230	782	21.67	1.29	22.96	197.70
23255	784.5	21.54	1.32	22.86	193.20
Limit	Portable stations operating in the 776-788 MHz band are limited to 3 watts ERP				

LTE Band 13 10M 16QAM 1RB Mode

ERP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	ERP POWER	
				dBm	mW
23230	782	20.63	1.29	21.92	155.60
Limit	Portable stations operating in the 776-788 MHz band are limited to 3 watts ERP				

LTE Band 7 5M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20775	2502.5	19.33	6.65	25.98	396.28
21100	2535	20.60	6.68	27.28	534.56
21425	2567.5	19.58	6.71	26.29	425.60
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 7 10M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20800	2505	19.37	6.65	26.02	399.94
21100	2535	19.87	6.68	26.55	451.86
21400	2565	19.97	6.71	26.68	465.59
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 7 15M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20825	2507.5	19.56	6.66	26.22	418.79
21100	2535	20.72	6.68	27.40	549.54
21375	2562.5	19.79	6.71	26.50	446.68
Limit	UE e.i.r.p. not exceed 2 watts				

**WCDMA/ LTE Test Record****LTE Band 7 20M 16QAM 1RB Mode**

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
20850	2510	19.51	6.66	26.17	414.00
21100	2535	19.87	6.68	26.55	451.86
21350	2560	20.48	6.71	27.19	523.60
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 30 5M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm/5MHz)	Correction Factor (dB)	EIRP POWER	
				dBm/5MHz	mW/5MHz
27685	2307.5	11.83	6.75	18.58	72.11
27710	2310	11.21	6.74	17.95	62.37
27735	2312.5	11.92	6.74	18.66	73.45
Limit	Fixed stations Peak EIRP not exceed 20 watts within any 5 megahertz of authorized bandwidth UE average EIRP must not exceed 50 milliwatts within any 1 megahertz				

LTE Band 30 10M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm/5MHz)	Correction Factor (dB)	EIRP POWER	
				dBm/5MHz	mW/5MHz
27710	2310	8.66	6.74	15.40	34.67
Limit	Fixed stations Peak EIRP not exceed 20 watts within any 5 megahertz of authorized bandwidth UE average EIRP must not exceed 50 milliwatts within any 1 megahertz				

LTE Band 38 5M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37775	2572.5	19.95	6.72	26.67	464.52
38000	2595	21.97	6.74	28.71	743.02
38225	2617.5	20.57	6.76	27.33	540.75
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 38 10M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37800	2575	20.18	6.72	26.90	489.78
38000	2595	21.35	6.74	28.09	644.17
38200	2615	20.72	6.76	27.48	559.76
Limit	UE e.i.r.p. not exceed 2 watts				



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LTE Band 38 15M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37825	2577.5	19.95	6.72	26.67	464.52
38000	2595	20.50	6.74	27.24	529.66
38175	2612.5	21.20	6.76	27.96	624.74
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 38 20M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
37850	2580	20.58	6.73	27.31	538.27
38000	2595	21.07	6.74	27.81	603.95
38150	2610	20.07	6.76	26.83	481.95
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 41 5M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39675	2498.5	19.11	6.65	25.76	376.70
40620	2593	20.08	6.74	26.82	480.84
41565	2687.5	19.60	6.83	26.43	439.54
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 41 10M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39700	2501	20.54	6.65	27.19	523.60
40620	2593	19.99	6.74	26.73	470.98
41540	2685	19.77	6.83	26.60	457.09
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 41 15M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39725	2503.5	20.65	6.65	27.30	537.03
40620	2593	21.30	6.74	28.04	636.80
41515	2682.5	19.10	6.83	25.93	391.74
Limit	UE e.i.r.p. not exceed 2 watts				

**WCDMA/ LTE Test Record****LTE Band 41 20M 16QAM 1RB Mode**

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
39750	2506	19.50	6.66	26.16	413.05
40620	2593	20.95	6.74	27.69	587.49
41490	2680	21.37	6.82	28.19	659.17
Limit	UE e.i.r.p. not exceed 2 watts				

LTE Band 66 1.4M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
131979	1710.7	19.34	6.38	25.72	373.25
132322	1745	21.07	6.44	27.51	563.64
132665	1779.3	19.40	6.50	25.90	389.05
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 3M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
131986	1711.4	20.15	6.38	26.53	449.78
132322	1745	19.51	6.44	25.95	393.55
132658	1778.6	19.31	6.50	25.81	381.07
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 5M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
131996	1712.4	20.09	6.38	26.47	443.61
132322	1745	20.35	6.44	26.79	477.53
132648	1777.6	20.90	6.50	27.40	549.54
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 10M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
132021	1714.9	19.30	6.38	25.68	369.83
132322	1745	20.18	6.44	26.62	459.20
132623	1775.1	19.72	6.49	26.21	417.83
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				



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LTE Band 66 15M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
132046	1717.4	19.05	6.39	25.44	349.95
132322	1745	19.53	6.44	25.97	395.37
132598	1772.6	19.74	6.49	26.23	419.76
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				

LTE Band 66 20M 16QAM 1RB Mode

EIRP POWER					
Channel No.	FREQUENCY (MHz)	S.G Value (dBm)	Correction Factor (dB)	EIRP POWER	
				dBm	mW
132071	1719.9	20.06	6.39	26.45	441.57
132322	1745	19.46	6.44	25.90	389.05
132573	1770.1	19.46	6.48	25.94	392.64
Limit	Fixed, mobile, and portable stations operating in the 1710–1780 MHz band are limited to 1 watt EIRP.				