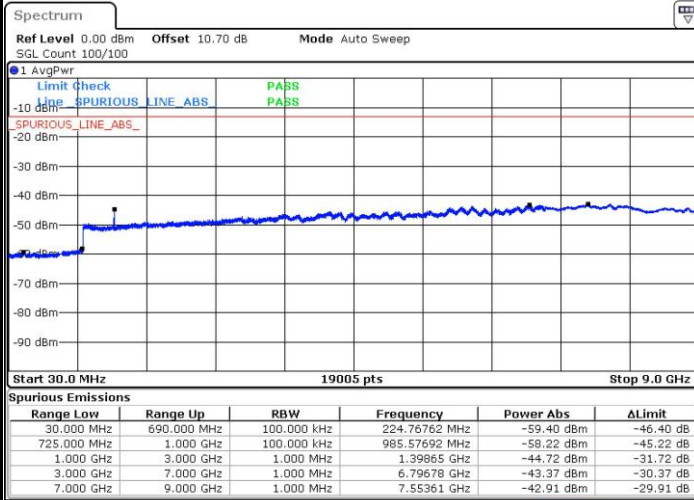




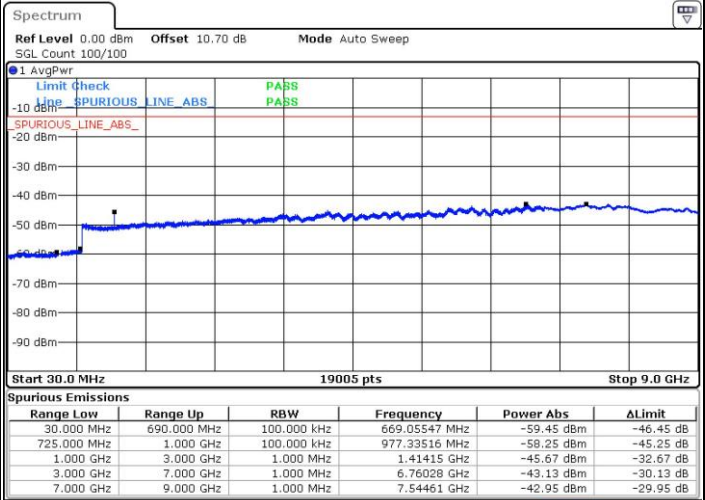
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



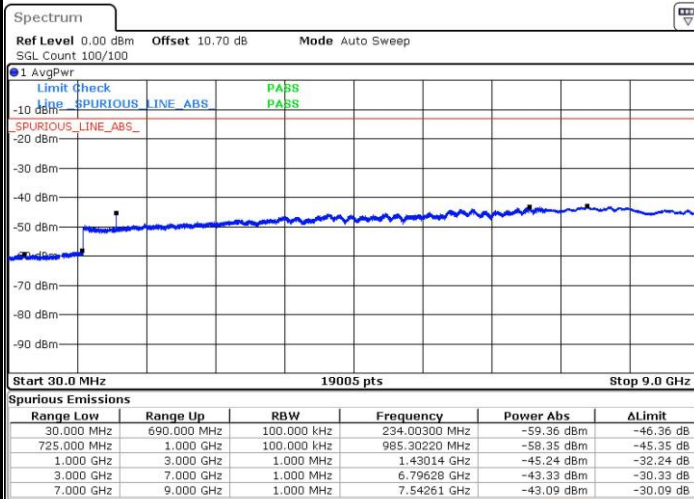
Date: 25.OCT.2018 01:59:44

Middle Channel / 64QAM



Date: 25.OCT.2018 02:00:47

Highest Channel / 64QAM

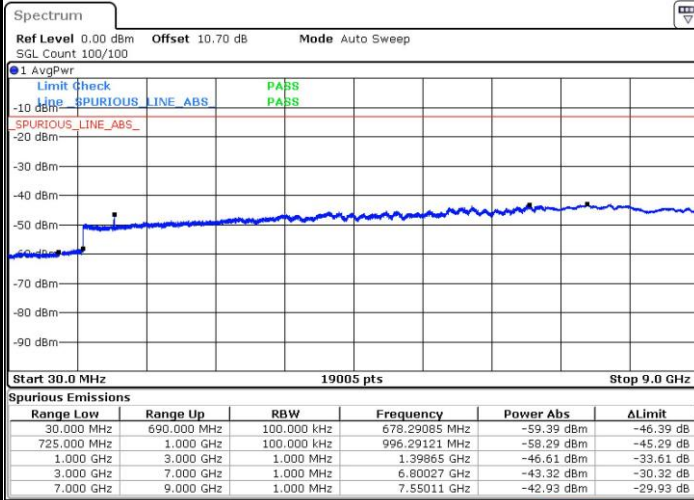


Date: 25.OCT.2018 02:03:50



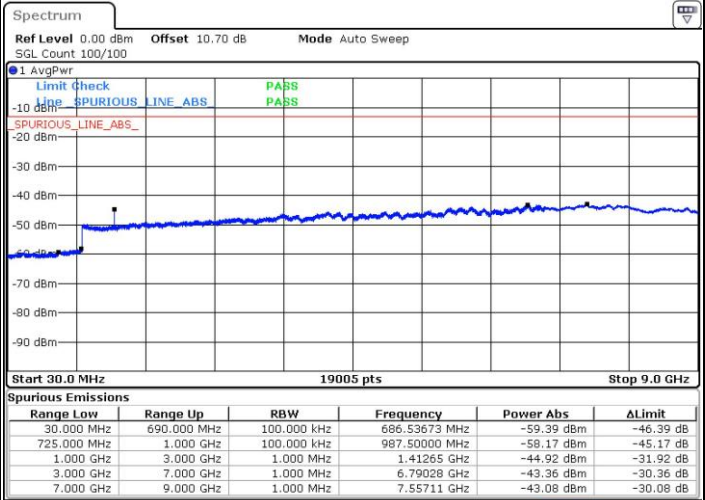
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



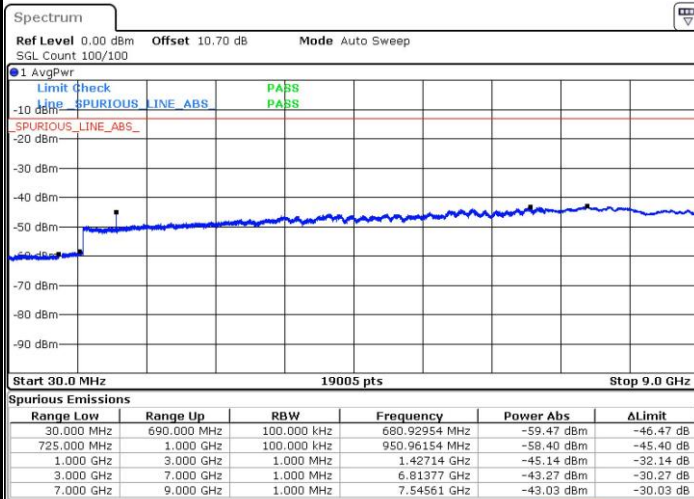
Date: 25.OCT.2018 01:38:16

Middle Channel / 64QAM



Date: 25.OCT.2018 01:39:19

Highest Channel / 64QAM

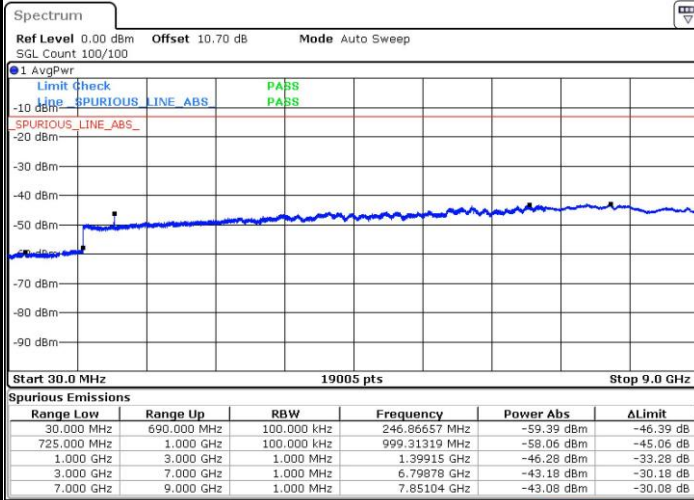


Date: 25.OCT.2018 01:42:22



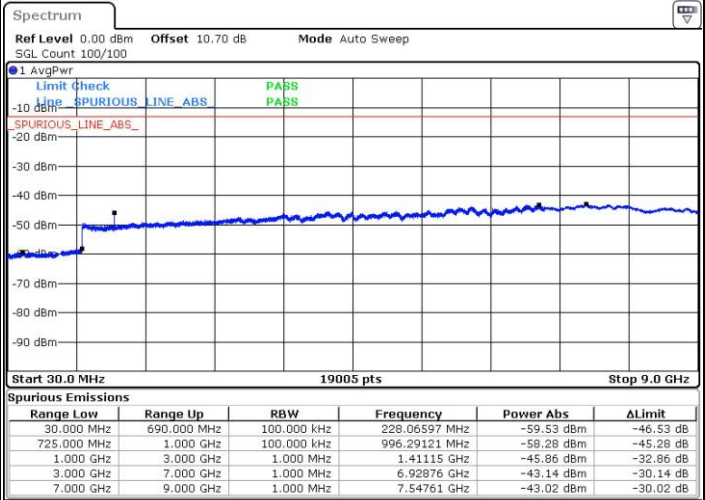
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



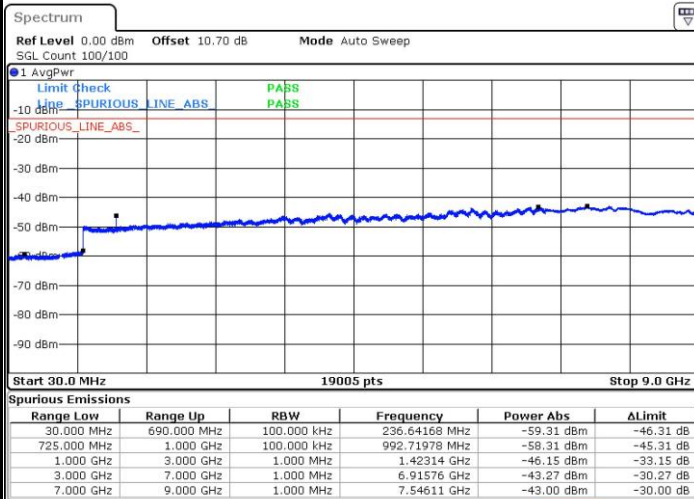
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Middle Channel / 64QAM



Date: 25.OCT.2018 01:46:28

Highest Channel / 64QAM

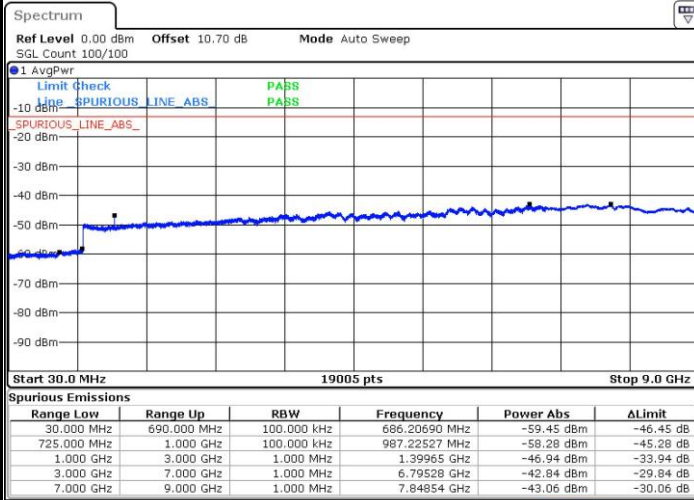


Date: 25.OCT.2018 01:49:31



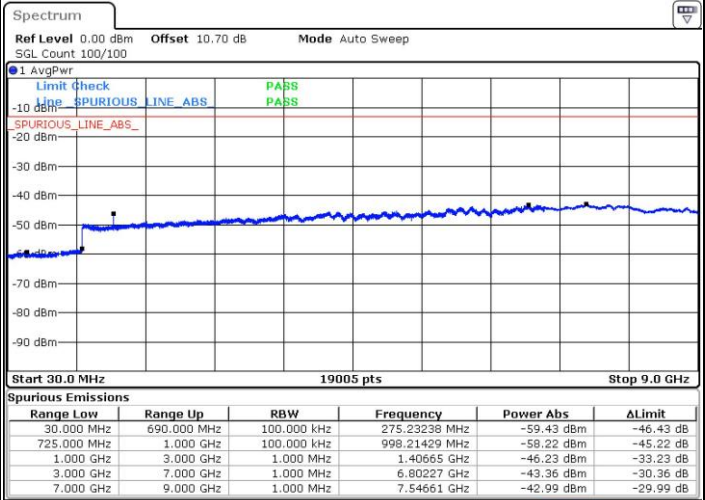
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



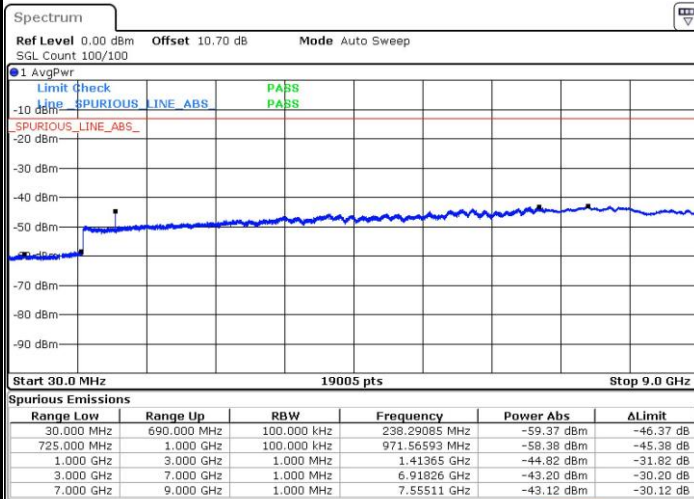
Date: 25.OCT.2018 01:52:34

Middle Channel / 64QAM



Date: 25.OCT.2018 01:53:37

Highest Channel / 64QAM



Date: 25.OCT.2018 01:58:41

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0093	PASS
40	Normal Voltage	0.0102	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0096	
-30	Normal Voltage	0.0102	
20	Maximum Voltage	0.0076	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	23.74	0.2366	25.93	0.3917
Middle		3	3	23.54	0.2259	25.73	0.3741
Highest		3	3	23.65	0.2317	25.84	0.3837
Lowest	16QAM	1	0	22.92	0.1959	25.11	0.3243
Middle		1	0	22.11	0.1626	24.30	0.2692
Highest		1	0	22.15	0.1641	24.34	0.2716
Lowest	64QAM	1	3	21.98	0.1578	24.17	0.2612
Middle		1	3	21.57	0.1435	23.76	0.2377
Highest		1	3	21.49	0.1409	23.68	0.2333
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.72	0.2355	25.91	0.3899
Middle		1	8	23.18	0.2080	25.37	0.3443
Highest		1	8	23.19	0.2084	25.38	0.3451
Lowest	16QAM	1	0	22.04	0.1600	24.23	0.2649
Middle		1	0	22.70	0.1862	24.89	0.3083
Highest		1	0	22.33	0.1710	24.52	0.2831
Lowest	64QAM	1	0	21.73	0.1489	23.92	0.2466
Middle		1	0	21.66	0.1466	23.85	0.2427
Highest		1	0	21.61	0.1449	23.80	0.2399
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.79	0.2393	25.98	0.3963
Middle		1	12	23.62	0.2301	25.81	0.3811
Highest		1	12	23.67	0.2328	25.86	0.3855
Lowest	16QAM	1	0	22.00	0.1585	24.19	0.2624
Middle		1	0	22.00	0.1585	24.19	0.2624
Highest		1	0	22.75	0.1884	24.94	0.3119
Lowest	64QAM	1	12	21.85	0.1531	24.04	0.2535
Middle		1	12	21.74	0.1493	23.93	0.2472
Highest		1	12	21.82	0.1521	24.01	0.2518
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.90	0.2455	26.09	0.4064
Middle		1	25	23.75	0.2371	25.94	0.3926
Highest		1	25	23.73	0.2360	25.92	0.3908
Lowest	16QAM	1	25	22.70	0.1862	24.89	0.3083
Middle		1	25	22.59	0.1816	24.78	0.3006
Highest		1	25	22.94	0.1968	25.13	0.3258
Lowest	64QAM	1	0	21.98	0.1578	24.17	0.2612
Middle		1	0	21.82	0.1521	24.01	0.2518
Highest		1	0	21.80	0.1514	23.99	0.2506
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.66	0.2323	25.85	0.3846
Middle		1	37	23.70	0.2344	25.89	0.3882
Highest		1	37	23.72	0.2355	25.91	0.3899
Lowest	16QAM	1	37	22.13	0.1633	24.32	0.2704
Middle		1	37	22.62	0.1828	24.81	0.3027
Highest		1	37	22.72	0.1871	24.91	0.3097
Lowest	64QAM	1	37	22.14	0.1637	24.33	0.2710
Middle		1	37	22.03	0.1596	24.22	0.2642
Highest		1	37	21.79	0.1510	23.98	0.2500
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.79	0.2393	25.98	0.3963
Middle		1	49	23.59	0.2286	25.78	0.3784
Highest		1	49	23.47	0.2223	25.66	0.3681
Lowest	16QAM	1	49	22.80	0.1905	24.99	0.3155
Middle		1	49	22.09	0.1618	24.28	0.2679
Highest		1	49	22.19	0.1656	24.38	0.2742
Lowest	64QAM	1	49	22.52	0.1786	24.71	0.2958
Middle		1	49	21.55	0.1429	23.74	0.2366
Highest		1	49	21.84	0.1528	24.03	0.2529
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 1.61 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	23.74	0.2366	25.35	0.3428
Middle		3	3	23.54	0.2259	25.15	0.3273
Highest		3	3	23.65	0.2317	25.26	0.3357
Lowest	16QAM	1	0	22.92	0.1959	24.53	0.2838
Middle		1	0	22.11	0.1626	23.72	0.2355
Highest		1	0	22.15	0.1641	23.76	0.2377
Lowest	64QAM	1	3	21.98	0.1578	23.59	0.2286
Middle		1	3	21.57	0.1435	23.18	0.2080
Highest		1	3	21.49	0.1409	23.10	0.2042
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 1.61 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.72	0.2355	25.33	0.3412
Middle		1	8	23.18	0.2080	24.79	0.3013
Highest		1	8	23.19	0.2084	24.80	0.3020
Lowest	16QAM	1	0	22.04	0.1600	23.65	0.2317
Middle		1	0	22.70	0.1862	24.31	0.2698
Highest		1	0	22.33	0.1710	23.94	0.2477
Lowest	64QAM	1	0	21.73	0.1489	23.34	0.2158
Middle		1	0	21.66	0.1466	23.27	0.2123
Highest		1	0	21.61	0.1449	23.22	0.2099
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 1.61 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.79	0.2393	25.40	0.3467
Middle		1	12	23.62	0.2301	25.23	0.3334
Highest		1	12	23.67	0.2328	25.28	0.3373
Lowest	16QAM	1	0	22.00	0.1585	23.61	0.2296
Middle		1	0	22.00	0.1585	23.61	0.2296
Highest		1	0	22.75	0.1884	24.36	0.2729
Lowest	64QAM	1	12	21.85	0.1531	23.46	0.2218
Middle		1	12	21.74	0.1493	23.35	0.2163
Highest		1	12	21.82	0.1521	23.43	0.2203
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 1.61 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.90	0.2455	25.51	0.3556
Middle		1	25	23.75	0.2371	25.36	0.3436
Highest		1	25	23.73	0.2360	25.34	0.3420
Lowest	16QAM	1	25	22.70	0.1862	24.31	0.2698
Middle		1	25	22.59	0.1816	24.20	0.2630
Highest		1	25	22.94	0.1968	24.55	0.2851
Lowest	64QAM	1	0	21.98	0.1578	23.59	0.2286
Middle		1	0	21.82	0.1521	23.43	0.2203
Highest		1	0	21.80	0.1514	23.41	0.2193
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 1.61 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.66	0.2323	25.27	0.3365
Middle		1	37	23.70	0.2344	25.31	0.3396
Highest		1	37	23.72	0.2355	25.33	0.3412
Lowest	16QAM	1	37	22.13	0.1633	23.74	0.2366
Middle		1	37	22.62	0.1828	24.23	0.2649
Highest		1	37	22.72	0.1871	24.33	0.2710
Lowest	64QAM	1	37	22.14	0.1637	23.75	0.2371
Middle		1	37	22.03	0.1596	23.64	0.2312
Highest		1	37	21.79	0.1510	23.40	0.2188
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 1.61 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.64	0.2312	25.25	0.3350
Middle		1	49	23.60	0.2291	25.21	0.3319
Highest		1	49	23.95	0.2483	25.56	0.3597
Lowest	16QAM	1	49	22.99	0.1991	24.60	0.2884
Middle		1	49	22.84	0.1923	24.45	0.2786
Highest		1	49	22.01	0.1589	23.62	0.2301
Lowest	64QAM	1	49	22.05	0.1603	23.66	0.2323
Middle		1	49	21.55	0.1429	23.16	0.2070
Highest		1	49	21.89	0.1545	23.50	0.2239
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.58 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.71	0.2350	18.98	0.0791
Middle		3	1	23.66	0.2323	18.93	0.0782
Highest		3	1	23.66	0.2323	18.93	0.0782
Lowest	16QAM	3	1	22.80	0.1905	18.07	0.0641
Middle		3	1	22.71	0.1866	17.98	0.0628
Highest		3	1	22.43	0.1750	17.70	0.0589
Lowest	64QAM	3	1	21.30	0.1349	16.57	0.0454
Middle		3	1	21.76	0.1500	17.03	0.0505
Highest		3	1	21.56	0.1432	16.83	0.0482
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -2.58 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.41	0.2193	18.68	0.0738
Middle		1	8	23.30	0.2138	18.57	0.0719
Highest		1	8	23.62	0.2301	18.89	0.0774
Lowest	16QAM	1	14	22.52	0.1786	17.79	0.0601
Middle		1	14	22.18	0.1652	17.45	0.0556
Highest		1	14	22.77	0.1892	18.04	0.0637
Lowest	64QAM	1	0	21.62	0.1452	16.89	0.0489
Middle		1	0	21.67	0.1469	16.94	0.0494
Highest		1	0	21.33	0.1358	16.60	0.0457
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -2.58 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.78	0.2388	19.05	0.0804
Middle		1	12	23.53	0.2254	18.80	0.0759
Highest		1	12	23.61	0.2296	18.88	0.0773
Lowest	16QAM	1	12	22.39	0.1734	17.66	0.0583
Middle		1	12	22.89	0.1945	18.16	0.0655
Highest		1	12	22.23	0.1671	17.50	0.0562
Lowest	64QAM	1	12	21.74	0.1493	17.01	0.0502
Middle		1	12	21.65	0.1462	16.92	0.0492
Highest		1	12	21.73	0.1489	17.00	0.0501
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -2.58 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	23.79	0.2393	19.06	0.0805
Middle		1	25	23.54	0.2259	18.81	0.0760
Highest		1	25	23.50	0.2239	18.77	0.0753
Lowest	16QAM	1	0	22.20	0.1660	17.47	0.0558
Middle		1	0	22.76	0.1888	18.03	0.0635
Highest		1	0	22.01	0.1589	17.28	0.0535
Lowest	64QAM	1	25	21.55	0.1429	16.82	0.0481
Middle		1	25	21.63	0.1455	16.90	0.0490
Highest		1	25	21.80	0.1514	17.07	0.0509
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -2.1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.94	0.2477	19.69	0.0931
Middle		3	1	23.89	0.2449	19.64	0.0920
Highest		3	1	24.19	0.2624	19.94	0.0986
Lowest	16QAM	3	0	22.49	0.1774	18.24	0.0667
Middle		3	0	22.55	0.1799	18.30	0.0676
Highest		3	0	23.36	0.2168	19.11	0.0815
Lowest	64QAM	1	3	21.60	0.1445	17.35	0.0543
Middle		1	3	21.92	0.1556	17.67	0.0585
Highest		1	3	22.16	0.1644	17.91	0.0618
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -2.1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.44	0.2208	19.19	0.0830
Middle		1	0	23.79	0.2393	19.54	0.0899
Highest		1	0	24.10	0.2570	19.85	0.0966
Lowest	16QAM	1	14	22.22	0.1667	17.97	0.0627
Middle		1	14	22.12	0.1629	17.87	0.0612
Highest		1	14	23.35	0.2163	19.10	0.0813
Lowest	64QAM	1	14	21.40	0.1380	17.15	0.0519
Middle		1	14	21.29	0.1346	17.04	0.0506
Highest		1	14	22.15	0.1641	17.90	0.0617
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -2.1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.84	0.2421	19.59	0.0910
Middle		1	12	23.89	0.2449	19.64	0.0920
Highest		1	12	24.08	0.2559	19.83	0.0962
Lowest	16QAM	1	12	23.08	0.2032	18.83	0.0764
Middle		1	12	22.80	0.1905	18.55	0.0716
Highest		1	12	23.40	0.2188	19.15	0.0822
Lowest	64QAM	1	12	21.84	0.1528	17.59	0.0574
Middle		1	12	21.65	0.1462	17.40	0.0550
Highest		1	12	22.15	0.1641	17.90	0.0617
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -2.1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	23.86	0.2432	19.61	0.0914
Middle		1	25	23.94	0.2477	19.69	0.0931
Highest		1	25	24.20	0.2630	19.95	0.0989
Lowest	16QAM	1	25	22.69	0.1858	18.44	0.0698
Middle		1	25	23.07	0.2028	18.82	0.0762
Highest		1	25	23.26	0.2118	19.01	0.0796
Lowest	64QAM	1	49	21.47	0.1403	17.22	0.0527
Middle		1	49	21.50	0.1413	17.25	0.0531
Highest		1	49	22.04	0.1600	17.79	0.0601
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****Part 24E LTE Band 2**

LTE Band 2/ 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3720	-58.74	-13	-45.74	-76.54	-69.02	1.98	12.27	H
	5580	-55.92	-13	-42.92	-77.12	-66.10	2.14	12.31	H
	7440	-51.35	-13	-38.35	-76.36	-59.31	2.15	10.11	H
									H
									H
	3720	-59.50	-13	-46.50	-76.73	-69.78	1.98	12.27	V
	5580	-56.10	-13	-43.10	-77.52	-66.28	2.14	12.31	V
	7440	-52.49	-13	-39.49	-76.59	-60.45	2.15	10.11	V
									V
									V
Middle	3760	-58.95	-13	-45.95	-76.61	-69.19	2.01	12.24	H
	5640	-56.32	-13	-43.32	-77.49	-66.59	2.12	12.40	H
	7520	-51.08	-13	-38.08	-76.57	-59.04	2.11	10.07	H
									H
									H
	3760	-59.54	-13	-46.54	-76.7	-69.78	2.01	12.24	V
	5640	-56.19	-13	-43.19	-77.55	-66.46	2.12	12.40	V
	7520	-51.81	-13	-38.81	-76.54	-59.77	2.11	10.07	V
									V
									V



Highest	3800	-59.31	-13	-46.31	-76.86	-69.50	2.03	12.22	H
	5700	-55.91	-13	-42.91	-77.13	-66.28	2.11	12.48	H
	7600	-51.35	-13	-38.35	-76.64	-59.60	2.11	10.36	H
									H
									H
	3800	-59.73	-13	-46.73	-76.84	-69.92	2.03	12.22	V
	5700	-56.10	-13	-43.10	-77.46	-66.47	2.11	12.48	V
	7600	-51.57	-13	-38.57	-76.44	-59.82	2.11	10.36	V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**Part 22H LTE Band 5**

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-62.80	-13	-49.80	-75.35	-68.21	1.23	8.79	H
	2487	-60.62	-13	-47.62	-75.82	-67.52	1.44	10.49	H
	3316	-59.43	-13	-46.43	-76.44	-67.41	1.72	11.85	H
									H
									H
	1656	-65.28	-13	-52.28	-75.54	-70.69	1.23	8.79	V
	2487	-61.25	-13	-48.25	-75.94	-68.15	1.44	10.49	V
	3316	-59.84	-13	-46.84	-76.4	-67.82	1.72	11.85	V
									V
									V
Middle	1672	-62.20	-13	-49.20	-74.96	-67.67	1.24	8.85	H
	2512	-59.86	-13	-46.86	-75.01	-66.78	1.44	10.51	H
	3344	-59.71	-13	-46.71	-76.65	-67.75	1.74	11.93	H
									H
									H
	1672	-64.98	-13	-51.98	-75.32	-70.45	1.24	8.85	V
	2512	-60.79	-13	-47.79	-75.49	-67.71	1.44	10.51	V
	3344	-60.04	-13	-47.04	-76.52	-68.08	1.74	11.93	V
									V
									V



Highest	1688	-62.05	-13	-49.05	-75.04	-67.57	1.24	8.91	H
	2532	-60.26	-13	-47.26	-75.35	-67.19	1.44	10.53	H
	3376	-59.81	-13	-46.81	-76.61	-67.92	1.77	12.03	H
									H
									H
	1688	-64.84	-13	-51.84	-75.29	-70.36	1.24	8.91	V
	2532	-60.91	-13	-47.91	-75.6	-67.84	1.44	10.53	V
	3376	-60.10	-13	-47.10	-76.44	-68.21	1.77	12.03	V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**Part 27H LTE Band 12**

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1408	-55.44	-13	-42.44	-66.67	-59.92	1.15	7.78	H
	2112	-54.08	-13	-41.08	-69.43	-60.74	1.38	10.19	H
	2816	-59.37	-13	-46.37	-75.38	-66.52	1.45	10.75	H
									H
									H
	1408	-56.63	-13	-43.63	-67.07	-61.11	1.15	7.78	V
	2112	-59.21	-13	-46.21	-73.83	-65.87	1.38	10.19	V
	2816	-60.29	-13	-47.29	-75.86	-67.44	1.45	10.75	V
									V
									V
Middle	1416	-56.98	-13	-43.98	-67.39	-61.49	1.15	7.81	H
	2120	-60.16	-13	-47.16	-71.18	-66.83	1.38	10.20	H
	2830	-60.50	-13	-47.50	-75.96	-67.66	1.45	10.76	H
									H
									H
	1416	-56.98	-13	-43.98	-67.42	-61.49	1.15	7.81	V
	2120	-60.16	-13	-47.16	-74.78	-66.83	1.38	10.20	V
	2830	-60.50	-13	-47.50	-76.08	-67.66	1.45	10.76	V
									V
									V



Highest	1424	-54.64	-13	-41.64	-65.99	-59.19	1.15	7.85	H
	2136	-54.28	-13	-41.28	-69.95	-60.96	1.38	10.21	H
	2844	-59.68	-13	-46.68	-75.85	-66.85	1.45	10.78	H
									H
									H
	1424	-55.82	-13	-42.82	-66.37	-60.37	1.15	7.85	V
	2136	-58.98	-13	-45.98	-73.93	-65.66	1.38	10.21	V
	2844	-60.36	-13	-47.36	-75.96	-67.53	1.45	10.78	V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**Part 27L LTE Band 4**

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3441	-57.49	-13	-44.49	-74.5	-67.89	1.82	12.22	H
	5160	-56.26	-13	-43.26	-76.89	-66.10	2.29	12.13	H
	6880	-53.22	-13	-40.22	-76.73	-61.86	2.38	11.02	H
									H
									H
	3441	-55.76	-13	-42.76	-72.3	-66.16	1.82	12.22	V
	5160	-56.54	-13	-43.54	-77.1	-66.38	2.29	12.13	V
	6880	-54.33	-13	-41.33	-77.07	-62.97	2.38	11.02	V
									V
									V
Middle	3462	-56.66	-13	-43.66	-73.85	-67.11	1.84	12.29	H
	5197	-56.60	-13	-43.60	-77.26	-66.46	2.28	12.14	H
	6929	-53.03	-13	-40.03	-76.83	-61.61	2.40	10.97	H
									H
									H
	3462	-54.12	-13	-41.12	-70.85	-64.57	1.84	12.29	V
	5197	-56.73	-13	-43.73	-77.28	-66.59	2.28	12.14	V
	6929	-53.35	-13	-40.35	-76.24	-61.93	2.40	10.97	V
									V
									V



Highest	3490	-53.14	-13	-40.14	-70.67	-63.65	1.86	12.37	H
	5235	-55.31	-13	-42.31	-76.03	-65.19	2.26	12.15	H
	6980	-52.33	-13	-39.33	-76.42	-60.84	2.41	10.92	H
									H
									H
	3490	-52.27	-13	-39.27	-69.34	-62.78	1.86	12.37	V
	5235	-56.33	-13	-43.33	-77.01	-66.21	2.26	12.15	V
	6980	-53.56	-13	-40.56	-76.61	-62.07	2.41	10.92	V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.