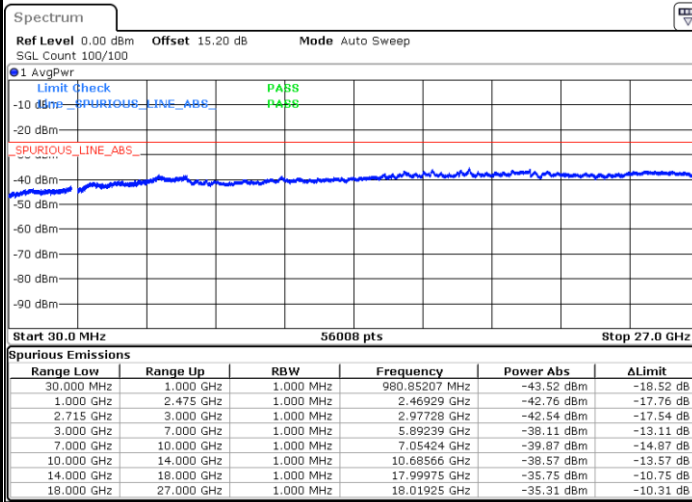




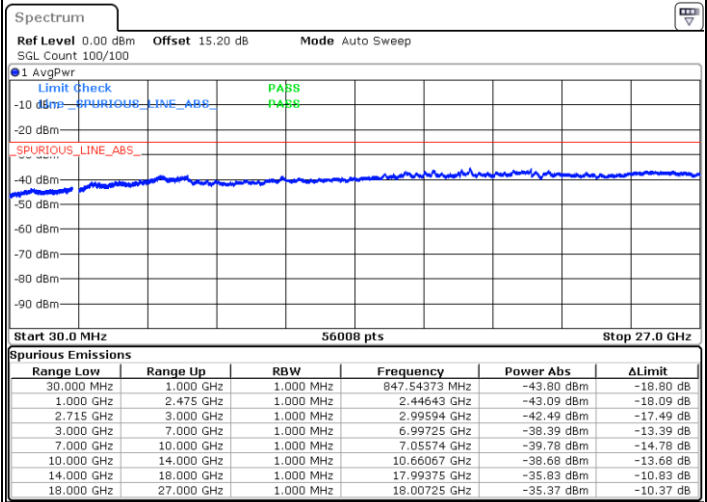
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



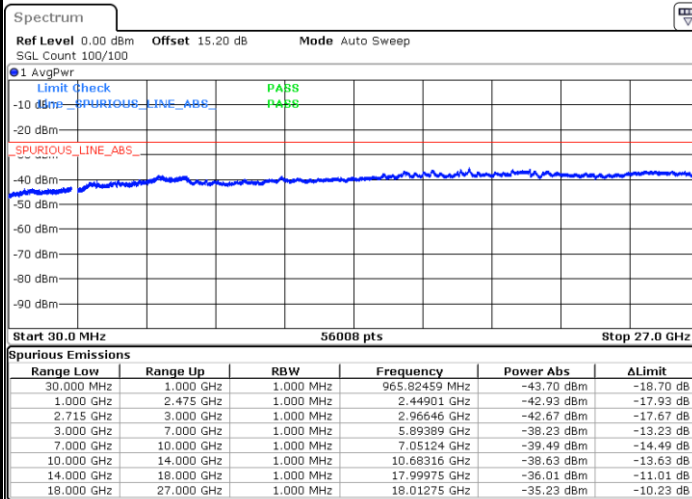
Date: 29.MAR.2020 22:59:20

Middle Channel / 64QAM



Date: 29.MAR.2020 23:00:11

Highest Channel / 64QAM

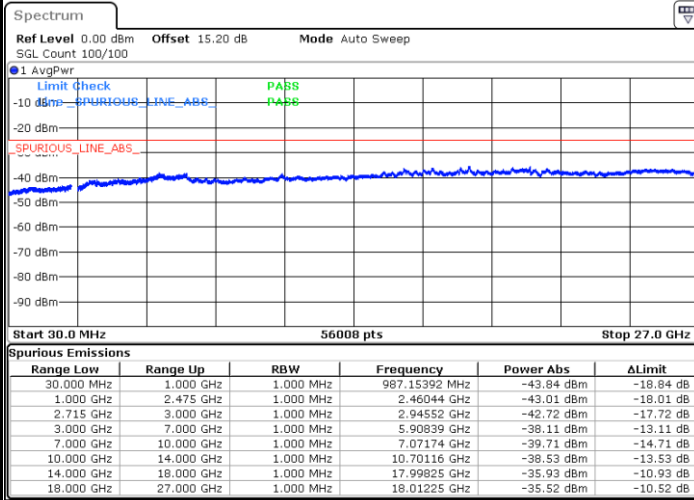


Date: 29.MAR.2020 23:01:02



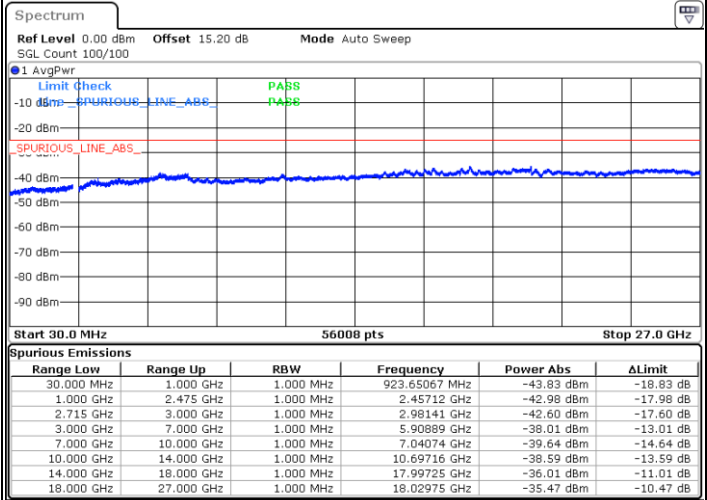
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



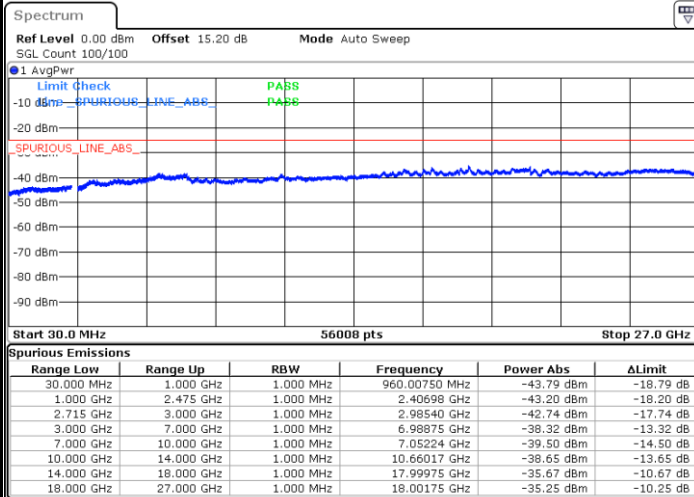
Date: 29.MAR.2020 23:01:53

Middle Channel / 64QAM



Date: 29.MAR.2020 23:02:44

Highest Channel / 64QAM



Date: 29.MAR.2020 23:03:35

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0074	PASS
40	Normal Voltage	0.0075	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0070	
-20	Normal Voltage	0.0067	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. 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 = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.81	0.2404	26.91	0.4909
Middle		1	0	23.66	0.2323	26.76	0.4742
Highest		1	0	23.52	0.2249	26.62	0.4592
Lowest	16QAM	1	3	23.08	0.2032	26.18	0.4150
Middle		1	3	22.94	0.1968	26.04	0.4018
Highest		1	3	22.81	0.1910	25.91	0.3899
Lowest	64QAM	1	3	22.26	0.1683	25.36	0.3436
Middle		1	3	21.96	0.1570	25.06	0.3206
Highest		1	3	21.83	0.1524	24.93	0.3112
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.80	0.2399	26.90	0.4898
Middle		1	0	23.66	0.2323	26.76	0.4742
Highest		1	0	23.57	0.2275	26.67	0.4645
Lowest	16QAM	1	8	23.11	0.2046	26.21	0.4178
Middle		1	8	22.92	0.1959	26.02	0.3999
Highest		1	8	22.79	0.1901	25.89	0.3882
Lowest	64QAM	1	8	22.29	0.1694	25.39	0.3459
Middle		1	8	21.93	0.1560	25.03	0.3184
Highest		1	8	21.77	0.1503	24.87	0.3069
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.83	0.2415	26.93	0.4932
Middle		1	0	23.66	0.2323	26.76	0.4742
Highest		1	0	23.51	0.2244	26.61	0.4581
Lowest	16QAM	1	12	23.07	0.2028	26.17	0.4140
Middle		1	12	22.99	0.1991	26.09	0.4064
Highest		1	12	22.74	0.1879	25.84	0.3837
Lowest	64QAM	1	12	22.23	0.1671	25.33	0.3412
Middle		1	12	21.96	0.1570	25.06	0.3206
Highest		1	12	21.80	0.1514	24.90	0.3090
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.85	0.2427	26.95	0.4955
Middle		1	0	23.66	0.2323	26.76	0.4742
Highest		1	0	23.58	0.2280	26.68	0.4656
Lowest	16QAM	1	0	23.12	0.2051	26.22	0.4188
Middle		1	0	23.00	0.1995	26.10	0.4074
Highest		1	0	22.85	0.1928	25.95	0.3936
Lowest	64QAM	1	25	22.30	0.1698	25.40	0.3467
Middle		1	25	21.97	0.1574	25.07	0.3214
Highest		1	25	21.75	0.1496	24.85	0.3055
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.86	0.2432	26.96	0.4966
Middle		1	0	23.66	0.2323	26.76	0.4742
Highest		1	0	23.53	0.2254	26.63	0.4603
Lowest	16QAM	1	37	23.10	0.2042	26.20	0.4169
Middle		1	37	22.92	0.1959	26.02	0.3999
Highest		1	37	22.77	0.1892	25.87	0.3864
Lowest	64QAM	1	37	22.21	0.1663	25.31	0.3396
Middle		1	37	22.01	0.1589	25.11	0.3243
Highest		1	37	21.84	0.1528	24.94	0.3119
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.87	0.2438	26.97	0.4977
Middle		1	0	23.75	0.2371	26.85	0.4842
Highest		1	0	23.59	0.2286	26.69	0.4667
Lowest	16QAM	1	0	23.13	0.2056	26.23	0.4198
Middle		1	0	23.04	0.2014	26.14	0.4111
Highest		1	0	22.88	0.1941	25.98	0.3963
Lowest	64QAM	1	49	22.30	0.1698	25.40	0.3467
Middle		1	49	22.01	0.1589	25.11	0.3243
Highest		1	49	21.85	0.1531	24.95	0.3126
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.97	0.2495	27.07	0.5093
Middle		1	0	23.91	0.2460	27.01	0.5023
Highest		1	0	23.84	0.2421	26.94	0.4943
Lowest	16QAM	1	0	23.22	0.2099	26.32	0.4285
Middle		1	0	23.23	0.2104	26.33	0.4295
Highest		1	0	23.19	0.2084	26.29	0.4256
Lowest	64QAM	1	0	22.26	0.1683	25.36	0.3436
Middle		1	0	22.13	0.1633	25.23	0.3334
Highest		1	0	22.13	0.1633	25.23	0.3334
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.99	0.2506	27.09	0.5117
Middle		1	0	23.93	0.2472	27.03	0.5047
Highest		1	0	23.76	0.2377	26.86	0.4853
Lowest	16QAM	1	8	23.19	0.2084	26.29	0.4256
Middle		1	8	23.10	0.2042	26.20	0.4169
Highest		1	8	23.21	0.2094	26.31	0.4276
Lowest	64QAM	1	0	22.26	0.1683	25.36	0.3436
Middle		1	0	22.21	0.1663	25.31	0.3396
Highest		1	0	22.18	0.1652	25.28	0.3373
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.05	0.2541	27.15	0.5188
Middle		1	0	23.98	0.2500	27.08	0.5105
Highest		1	0	23.78	0.2388	26.88	0.4875
Lowest	16QAM	1	12	23.20	0.2089	26.30	0.4266
Middle		1	12	23.18	0.2080	26.28	0.4246
Highest		1	12	23.19	0.2084	26.29	0.4256
Lowest	64QAM	1	0	22.21	0.1663	25.31	0.3396
Middle		1	0	22.16	0.1644	25.26	0.3357
Highest		1	0	22.17	0.1648	25.27	0.3365
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.06	0.2547	27.16	0.5200
Middle		1	0	23.91	0.2460	27.01	0.5023
Highest		1	0	23.75	0.2371	26.85	0.4842
Lowest	16QAM	1	0	23.26	0.2118	26.36	0.4325
Middle		1	0	23.17	0.2075	26.27	0.4236
Highest		1	0	23.13	0.2056	26.23	0.4198
Lowest	64QAM	1	0	22.25	0.1679	25.35	0.3428
Middle		1	0	22.21	0.1663	25.31	0.3396
Highest		1	0	22.13	0.1633	25.23	0.3334
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.06	0.2547	27.16	0.5200
Middle		1	0	23.97	0.2495	27.07	0.5093
Highest		1	0	23.85	0.2427	26.95	0.4955
Lowest	16QAM	1	37	23.19	0.2084	26.29	0.4256
Middle		1	37	23.09	0.2037	26.19	0.4159
Highest		1	37	23.15	0.2065	26.25	0.4217
Lowest	64QAM	1	0	22.27	0.1687	25.37	0.3443
Middle		1	0	22.18	0.1652	25.28	0.3373
Highest		1	0	22.16	0.1644	25.26	0.3357
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.33	0.2710	27.43	0.5534
Middle		1	0	24.45	0.2786	27.55	0.5689
Highest		1	0	24.29	0.2685	27.39	0.5483
Lowest	16QAM	1	0	23.27	0.2123	26.37	0.4335
Middle		1	0	23.25	0.2113	26.35	0.4315
Highest		1	0	23.19	0.2084	26.29	0.4256
Lowest	64QAM	1	0	22.27	0.1687	25.37	0.3443
Middle		1	0	22.22	0.1667	25.32	0.3404
Highest		1	0	22.19	0.1656	25.29	0.3381
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.85	0.3055	24.10	0.2570
Middle		1	0	24.73	0.2972	23.98	0.2500
Highest		1	0	24.67	0.2931	23.92	0.2466
Lowest	16QAM	1	0	23.83	0.2415	23.08	0.2032
Middle		1	0	23.89	0.2449	23.14	0.2061
Highest		1	0	23.72	0.2355	22.97	0.1982
Lowest	64QAM	1	5	22.79	0.1901	22.04	0.1600
Middle		1	5	22.96	0.1977	22.21	0.1663
Highest		1	5	22.76	0.1888	22.01	0.1589
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.88	0.3076	24.13	0.2588
Middle		1	0	24.77	0.2999	24.02	0.2523
Highest		1	0	24.68	0.2938	23.93	0.2472
Lowest	16QAM	1	0	23.91	0.2460	23.16	0.2070
Middle		1	0	23.90	0.2455	23.15	0.2065
Highest		1	0	23.72	0.2355	22.97	0.1982
Lowest	64QAM	1	14	22.82	0.1914	22.07	0.1611
Middle		1	14	23.00	0.1995	22.25	0.1679
Highest		1	14	22.79	0.1901	22.04	0.1600
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.88	0.3076	24.13	0.2588
Middle		1	0	24.77	0.2999	24.02	0.2523
Highest		1	0	24.65	0.2917	23.90	0.2455
Lowest	16QAM	1	0	23.88	0.2443	23.13	0.2056
Middle		1	0	23.89	0.2449	23.14	0.2061
Highest		1	0	23.79	0.2393	23.04	0.2014
Lowest	64QAM	1	24	22.77	0.1892	22.02	0.1592
Middle		1	24	22.94	0.1968	22.19	0.1656
Highest		1	24	22.74	0.1879	21.99	0.1581
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.90	0.3090	24.15	0.2600
Middle		1	0	24.81	0.3027	24.06	0.2547
Highest		1	0	24.72	0.2965	23.97	0.2495
Lowest	16QAM	1	0	23.91	0.2460	23.16	0.2070
Middle		1	0	23.96	0.2489	23.21	0.2094
Highest		1	0	23.81	0.2404	23.06	0.2023
Lowest	64QAM	1	49	22.87	0.1936	22.12	0.1629
Middle		1	49	23.00	0.1995	22.25	0.1679
Highest		1	49	22.79	0.1901	22.04	0.1600
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 2.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	24.00	23.28	0.2128	25.38	0.3451
Middle		1.00	24.00	23.56	0.2270	25.66	0.3681
Highest		1.00	24.00	23.50	0.2239	25.60	0.3631
Lowest	16QAM	1.00	24.00	22.61	0.1824	24.71	0.2958
Middle		1.00	24.00	22.88	0.1941	24.98	0.3148
Highest		1.00	24.00	22.77	0.1892	24.87	0.3069
Lowest	64QAM	1.00	24.00	21.67	0.1469	23.77	0.2382
Middle		1.00	24.00	21.84	0.1528	23.94	0.2477
Highest		1.00	24.00	21.72	0.1486	23.82	0.2410
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 2.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49	23.32	0.2148	25.42	0.3483
Middle		1.00	49	23.60	0.2291	25.70	0.3715
Highest		1.00	49	23.53	0.2254	25.63	0.3656
Lowest	16QAM	1.00	49	22.64	0.1837	24.74	0.2979
Middle		1.00	49	22.84	0.1923	24.94	0.3119
Highest		1.00	49	22.75	0.1884	24.85	0.3055
Lowest	64QAM	1.00	49	21.62	0.1452	23.72	0.2355
Middle		1.00	49	21.81	0.1517	23.91	0.2460
Highest		1.00	49	21.78	0.1507	23.88	0.2443
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 2.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	74.00	23.36	0.2168	25.46	0.3516
Middle		1.00	74.00	23.60	0.2291	25.70	0.3715
Highest		1.00	74.00	23.47	0.2223	25.57	0.3606
Lowest	16QAM	1.00	74.00	22.64	0.1837	24.74	0.2979
Middle		1.00	74.00	22.89	0.1945	24.99	0.3155
Highest		1.00	74.00	22.76	0.1888	24.86	0.3062
Lowest	64QAM	1.00	74.00	21.60	0.1445	23.70	0.2344
Middle		1.00	74.00	21.74	0.1493	23.84	0.2421
Highest		1.00	74.00	21.75	0.1496	23.85	0.2427
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 2.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	99.00	23.65	0.2317	25.75	0.3758
Middle		1.00	99.00	23.69	0.2339	25.79	0.3793
Highest		1.00	99.00	23.66	0.2323	25.76	0.3767
Lowest	16QAM	1.00	99.00	22.67	0.1849	24.77	0.2999
Middle		1.00	99.00	22.92	0.1959	25.02	0.3177
Highest		1.00	99.00	22.81	0.1910	24.91	0.3097
Lowest	64QAM	1.00	99.00	21.67	0.1469	23.77	0.2382
Middle		1.00	99.00	21.84	0.1528	23.94	0.2477
Highest		1.00	99.00	21.79	0.1510	23.89	0.2449
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.37	0.2173	26.47	0.4436
Middle		1.00	0.00	24.19	0.2624	27.29	0.5358
Highest		1.00	0.00	23.00	0.1995	26.10	0.4074
Lowest	16QAM	1.00	0.00	22.67	0.1849	25.77	0.3776
Middle		1.00	0.00	23.45	0.2213	26.55	0.4519
Highest		1.00	0.00	22.31	0.1702	25.41	0.3475
Lowest	64QAM	1.00	12.00	22.16	0.1644	25.26	0.3357
Middle		1.00	12.00	22.27	0.1687	25.37	0.3443
Highest		1.00	12.00	22.09	0.1618	25.19	0.3304
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.32	0.2148	26.42	0.4385
Middle		1.00	0.00	24.07	0.2553	27.17	0.5212
Highest		1.00	0.00	23.07	0.2028	26.17	0.4140
Lowest	16QAM	1.00	0.00	22.82	0.1914	25.92	0.3908
Middle		1.00	0.00	23.46	0.2218	26.56	0.4529
Highest		1.00	0.00	22.34	0.1714	25.44	0.3499
Lowest	64QAM	1.00	25	22.22	0.1667	25.32	0.3404
Middle		1.00	25	22.24	0.1675	25.34	0.3420
Highest		1.00	25	21.96	0.1570	25.06	0.3206
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.49	0.2234	26.59	0.4560
Middle		1.00	0.00	24.13	0.2588	27.23	0.5284
Highest		1.00	0.00	23.12	0.2051	26.22	0.4188
Lowest	16QAM	1.00	74.00	22.93	0.1963	26.03	0.4009
Middle		1.00	74.00	23.44	0.2208	26.54	0.4508
Highest		1.00	74.00	22.67	0.1849	25.77	0.3776
Lowest	64QAM	1.00	37.00	22.23	0.1671	25.33	0.3412
Middle		1.00	37.00	22.32	0.1706	25.42	0.3483
Highest		1.00	37.00	22.06	0.1607	25.16	0.3281
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.77	0.2382	26.87	0.4864
Middle		1.00	0.00	24.14	0.2594	27.24	0.5297
Highest		1.00	0.00	23.33	0.2153	26.43	0.4395
Lowest	16QAM	1.00	0.00	22.84	0.1923	25.94	0.3926
Middle		1.00	0.00	23.49	0.2234	26.59	0.4560
Highest		1.00	0.00	22.50	0.1778	25.60	0.3631
Lowest	64QAM	1.00	49.00	22.26	0.1683	25.36	0.3436
Middle		1.00	49.00	22.35	0.1718	25.45	0.3508
Highest		1.00	49.00	22.06	0.1607	25.16	0.3281
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.91	0.2460	27.01	0.5023
Middle		1.00	0.00	23.95	0.2483	27.05	0.5070
Highest		1.00	0.00	23.76	0.2377	26.86	0.4853
Lowest	16QAM	1.00	0.00	22.98	0.1986	26.08	0.4055
Middle		1.00	0.00	23.00	0.1995	26.10	0.4074
Highest		1.00	0.00	22.80	0.1905	25.90	0.3890
Lowest	64QAM	1.00	0.00	21.74	0.1493	24.84	0.3048
Middle		1.00	0.00	21.76	0.1500	24.86	0.3062
Highest		1.00	0.00	21.61	0.1449	24.71	0.2958
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.93	0.2472	27.03	0.5047
Middle		1.00	0.00	23.97	0.2495	27.07	0.5093
Highest		1.00	0.00	23.67	0.2328	26.77	0.4753
Lowest	16QAM	1.00	0.00	23.05	0.2018	26.15	0.4121
Middle		1.00	0.00	23.08	0.2032	26.18	0.4150
Highest		1.00	0.00	22.86	0.1932	25.96	0.3945
Lowest	64QAM	1.00	0.00	21.76	0.1500	24.86	0.3062
Middle		1.00	0.00	21.80	0.1514	24.90	0.3090
Highest		1.00	0.00	21.61	0.1449	24.71	0.2958
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.90	0.2455	27.00	0.5012
Middle		1.00	0.00	23.96	0.2489	27.06	0.5082
Highest		1.00	0.00	23.77	0.2382	26.87	0.4864
Lowest	16QAM	1.00	0.00	23.02	0.2004	26.12	0.4093
Middle		1.00	0.00	23.04	0.2014	26.14	0.4111
Highest		1.00	0.00	22.86	0.1932	25.96	0.3945
Lowest	64QAM	1.00	0.00	21.74	0.1493	24.84	0.3048
Middle		1.00	0.00	21.82	0.1521	24.92	0.3105
Highest		1.00	0.00	21.63	0.1455	24.73	0.2972
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = 3.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.95	0.2483	27.05	0.5070
Middle		1.00	0.00	23.99	0.2506	27.09	0.5117
Highest		1.00	0.00	23.77	0.2382	26.87	0.4864
Lowest	16QAM	1.00	0.00	23.05	0.2018	26.15	0.4121
Middle		1.00	0.00	23.10	0.2042	26.20	0.4169
Highest		1.00	0.00	22.88	0.1941	25.98	0.3963
Lowest	64QAM	1.00	0.00	21.80	0.1514	24.90	0.3090
Middle		1.00	0.00	21.86	0.1535	24.96	0.3133
Highest		1.00	0.00	21.65	0.1462	24.75	0.2985
Limit	EIRP < 2W			Result		PASS	

**Radiated Spurious Emission****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	3702	-52.48	-13	-39.48	-69.88	-64.27	0.72	12.52	H
	5556	-42.10	-13	-29.10	-64.45	-54.27	1.00	13.17	H
	7404	-42.36	-13	-29.36	-67.89	-51.75	1.18	10.57	H
									H
									H
									H
	3702	-48.05	-13	-35.05	-66.62	-59.84	0.72	12.52	V
	5556	-34.67	-13	-21.67	-57.14	-46.84	1.00	13.17	V
	7404	-40.47	-13	-27.47	-65.79	-49.86	1.18	10.57	V
									V
									V
									V
Middle	3744	-51.71	-13	-38.71	-69.23	-63.51	0.70	12.50	H
	5616	-40.90	-13	-27.90	-63.21	-53.05	0.98	13.13	H
	7482	-42.66	-13	-29.66	-68.06	-51.91	1.18	10.43	H
									H
									H
									H
	3744	-49.49	-13	-36.49	-68.2	-61.29	0.70	12.50	V
	5616	-35.00	-13	-22.00	-57.48	-47.15	0.98	13.13	V
	7482	-40.06	-13	-27.06	-65.54	-49.31	1.18	10.43	V
									V
									V
									V



Highest	3780	-52.44	-13	-39.44	-70.04	-64.25	0.68	12.49	H
	5676	-38.92	-13	-25.92	-61.28	-51.03	0.99	13.09	H
	7566	-42.97	-13	-29.97	-68.48	-52.37	1.18	10.58	H
									H
									H
									H
									H
	3780	-49.94	-13	-36.94	-68.76	-61.75	0.68	12.49	V
	5676	-33.32	-13	-20.32	-55.86	-45.43	0.99	13.09	V
	7566	-39.93	-13	-26.93	-65.32	-49.33	1.18	10.58	V
									V
									V
									V
									V

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

**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	3438	-51.30	-13	-38.30	-68.92	-62.94	0.78	12.41	H
	5160	-46.09	-13	-33.09	-67.12	-57.63	0.98	12.52	H
	6882	-47.47	-13	-34.47	-71.52	-58.13	0.90	11.56	H
	8598	-48.91	-13	-35.91	-77.14	-59.56	1.38	12.04	H
	12045	-43.16	-13	-30.16	-75.01	-54.12	1.57	12.53	H
									H
									H
	3438	-54.37	-13	-41.37	-72.08	-66.01	0.78	12.41	V
	5160	-43.34	-13	-30.34	-64.54	-54.88	0.98	12.52	V
	6882	-42.61	-13	-29.61	-67.09	-53.27	0.90	11.56	V
	8598	-47.32	-13	-34.32	-75.2	-57.97	1.38	12.04	V
	12045	-41.44	-13	-28.44	-73.01	-52.4	1.57	12.53	V
									V
									V
Middle	3468	-31.34	-13	-18.34	-48.96	-43.07	0.78	12.50	H
	5196	-38.48	-13	-25.48	-59.62	-50.08	0.99	12.59	H
	6930	-40.69	-13	-27.69	-64.87	-51.14	1.01	11.45	H
	8664	-43.78	-13	-30.78	-72.17	-54.52	1.39	12.13	H
	12129	-42.44	-13	-29.44	-74.57	-53.83	1.56	12.95	H
									H
									H
	3468	-33.30	-13	-20.30	-51.31	-45.03	0.78	12.50	V
	5196	-38.59	-13	-25.59	-59.89	-50.19	0.99	12.59	V
	6930	-42.14	-13	-29.14	-66.7	-52.59	1.01	11.45	V
	8664	-45.82	-13	-32.82	-73.94	-56.56	1.39	12.13	V
	12129	-43.42	-13	-30.42	-75.18	-54.81	1.56	12.95	V
									V
									V



Highest	3492	-48.49	-13	-35.49	-66.14	-60.29	0.78	12.58	H
	5238	-45.28	-13	-32.28	-66.56	-56.95	1.01	12.68	H
	6978	-46.07	-13	-33.07	-70.37	-56.3	1.11	11.35	H
	8724	-47.83	-13	-34.83	-76.45	-58.65	1.40	12.21	H
									H
									H
									H
	3492	-52.63	-13	-39.63	-71.25	-64.43	0.78	12.58	V
	5238	-41.64	-13	-28.64	-63.02	-53.31	1.01	12.68	V
	6978	-40.50	-13	-27.50	-65.12	-50.73	1.11	11.35	V
	8724	-45.65	-13	-32.65	-74.1	-56.47	1.40	12.21	V
									V
									V
									V

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

**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	1648	-59.12	-13	-46.12	-69.66	-66.07	0.53	9.63	H
	2472	-60.00	-13	-47.00	-73.95	-67.98	0.65	10.78	H
	3296	-58.10	-13	-45.10	-74.79	-67.18	0.76	11.99	H
									H
									H
									H
									H
	1648	-61.85	-13	-48.85	-72.1	-68.8	0.53	9.63	V
	2472	-59.33	-13	-46.33	-73.77	-67.31	0.65	10.78	V
	3296	-57.64	-13	-44.64	-74.3	-66.72	0.76	11.99	V
									V
									V
									V
									V
Middle	1664	-56.97	-13	-43.97	-67.64	-63.95	0.53	9.66	H
	2496	-55.94	-13	-42.94	-69.87	-63.93	0.65	10.80	H
	3328	-58.01	-13	-45.01	-74.77	-67.18	0.76	12.08	H
									H
									H
									H
									H
	1664	-60.85	-13	-47.85	-71.12	-67.83	0.53	9.66	V
	2496	-59.21	-13	-46.21	-73.56	-67.2	0.65	10.80	V
	3328	-57.76	-13	-44.76	-74.33	-66.93	0.76	12.08	V
									V
									V
									V
									V



Highest	1680	-59.72	-13	-46.72	-70.51	-66.74	0.53	9.70	H
	2520	-59.99	-13	-46.99	-73.99	-67.99	0.66	10.81	H
	3360	-57.87	-13	-44.87	-74.67	-67.13	0.77	12.18	H
									H
									H
									H
									H
	1680	-61.91	-13	-48.91	-72.2	-68.93	0.53	9.70	V
	2520	-59.79	-13	-46.79	-74.17	-67.79	0.66	10.81	V
	3360	-57.95	-13	-44.95	-74.49	-67.21	0.77	12.18	V
									V
									V
									V
									V

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

**LTE Band 7**

LTE Band 7 / 15MHz / 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	5028	-52.70	-25	-27.70	-73.41	-64.01	0.95	12.26	H
	7542	-51.55	-25	-26.55	-77.02	-60.89	1.18	10.52	H
	10056	-45.57	-25	-20.57	-77.13	-56.19	1.37	11.99	H
									H
									H
									H
									H
	5028	-52.06	-25	-27.06	-72.95	-63.37	0.95	12.26	V
	7542	-50.35	-25	-25.35	-75.78	-59.69	1.18	10.52	V
	10056	-46.08	-25	-21.08	-77.34	-56.7	1.37	11.99	V
									V
									V
									V
									V
Middle	5082	-49.79	-25	-24.79	-70.64	-61.19	0.96	12.36	H
	7626	-48.41	-25	-23.41	-74.1	-57.98	1.18	10.75	H
	10170	-44.87	-25	-19.87	-76.35	-55.26	1.38	11.78	H
									H
									H
									H
									H
	5082	-49.31	-25	-24.31	-70.33	-60.71	0.96	12.36	V
	7626	-49.30	-25	-24.30	-74.74	-58.87	1.18	10.75	V
	10170	-45.06	-25	-20.06	-76.28	-55.45	1.38	11.78	V
									V
									V
									V
									V



Highest	5136	-52.21	-25	-27.21	-73.2	-63.71	0.97	12.47	H
	7710	-46.71	-25	-21.71	-72.52	-56.51	1.19	10.99	H
	10278	-44.96	-25	-19.96	-76.35	-55.14	1.39	11.57	H
									H
									H
									H
									H
	5136	-51.31	-25	-26.31	-72.47	-62.81	0.97	12.47	V
	7710	-44.96	-25	-19.96	-70.64	-54.76	1.19	10.99	V
	10278	-44.60	-25	-19.60	-75.77	-54.78	1.39	11.57	V
									V
									V
									V
									V

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

**LTE Band 41**

LTE Band 41 / 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	4992	-54.08	-25	-29.08	-74.83	-65.38	0.90	12.20	H
	7488	-52.03	-25	-27.03	-77.42	-61.27	1.18	10.42	H
	9990	-46.17	-25	-21.17	-77.79	-56.51	1.40	11.73	H
									H
									H
									H
									H
	4992	-49.52	-25	-24.52	-70.44	-60.82	0.90	12.20	V
	7488	-51.45	-25	-26.45	-76.92	-60.69	1.18	10.42	V
	9990	-44.77	-25	-19.77	-76.05	-55.11	1.40	11.73	V
									V
									V
									V
									V
Middle	5166	-54.54	-25	-29.54	-75.62	-66.09	0.98	12.53	H
	7752	-50.66	-25	-25.66	-76.57	-60.58	1.19	11.11	H
	10332	-45.52	-25	-20.52	-76.87	-55.59	1.40	11.47	H
									H
									H
									H
									H
	5166	-49.06	-25	-24.06	-70.3	-60.61	0.98	12.53	V
	7752	-47.37	-25	-22.37	-73.24	-57.29	1.19	11.11	V
	10332	-44.97	-25	-19.97	-76.12	-55.04	1.40	11.47	V
									V
									V
									V
									V



Highest	5340	-51.88	-25	-26.88	-73.43	-63.71	1.05	12.88	H
	8016	-48.78	-25	-23.78	-76.22	-59.38	1.20	11.80	H
	10692	-46.18	-25	-21.18	-77.26	-55.53	1.43	10.79	H
									H
									H
									H
									H
	5340	-49.51	-25	-24.51	-71.17	-61.34	1.05	12.88	V
	8016	-43.87	-25	-18.87	-71.44	-54.47	1.20	11.80	V
	10692	-43.51	-25	-18.51	-74.47	-52.86	1.43	10.79	V
									V
									V
									V
									V

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