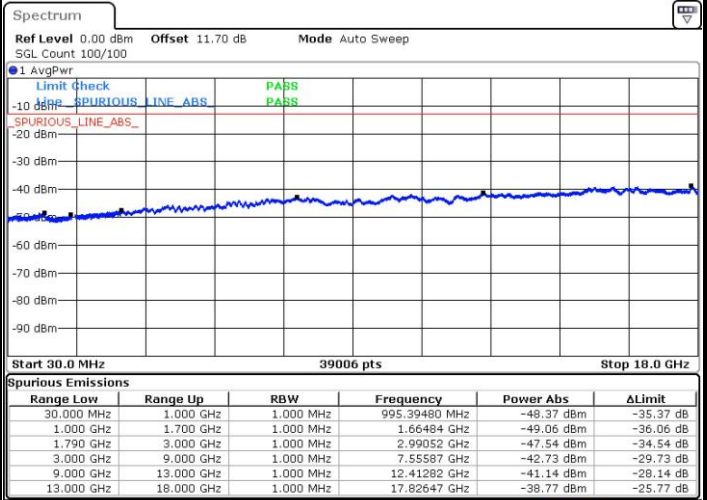
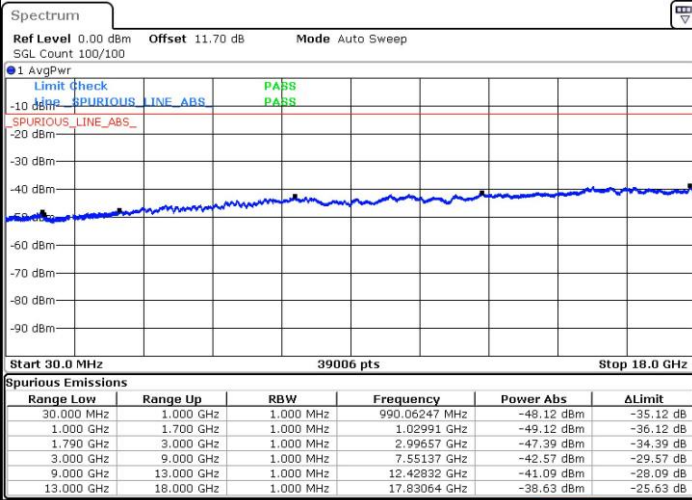




LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

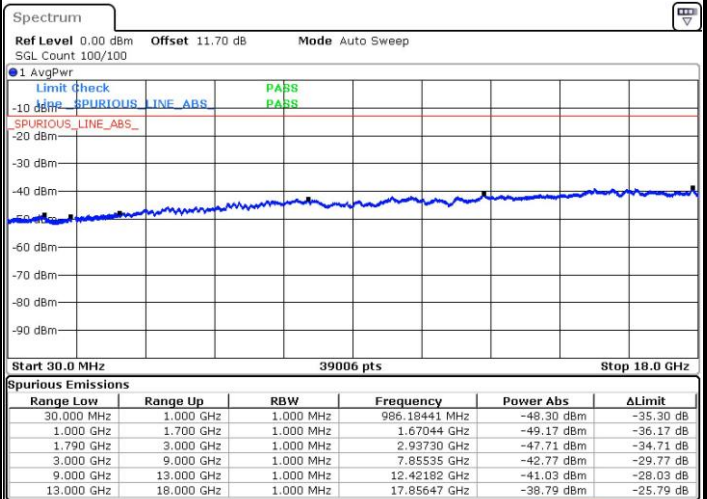
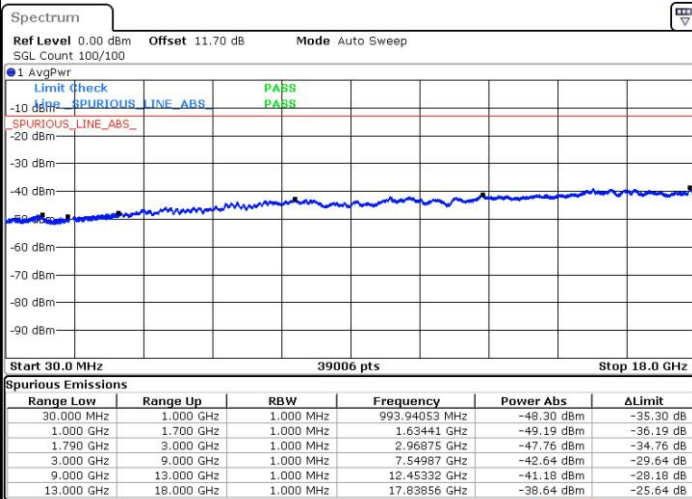


Date: 15.FEB.2019 20:31:50

Date: 15.FEB.2019 20:47:55

Highest Channel / QPSK

Highest Channel / 16QAM



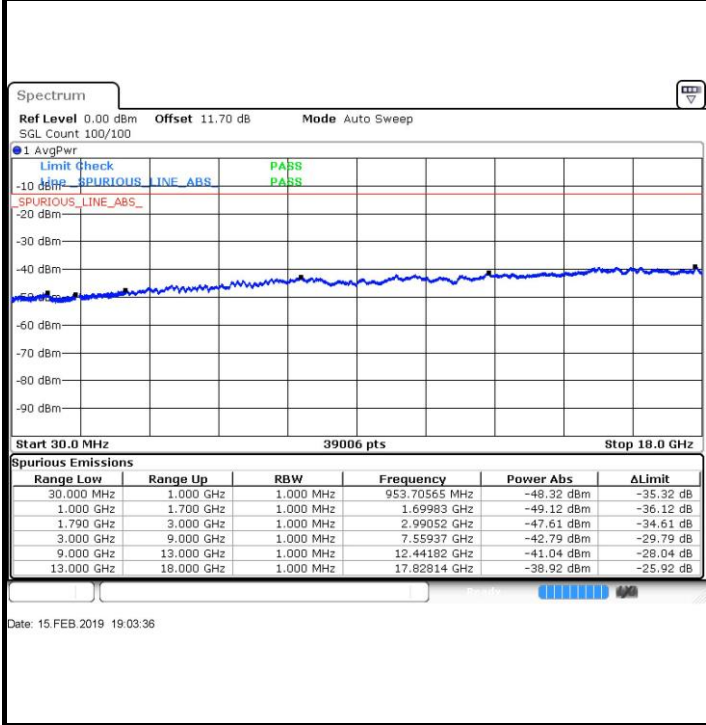
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Date: 15.FEB.2019 20:53:23

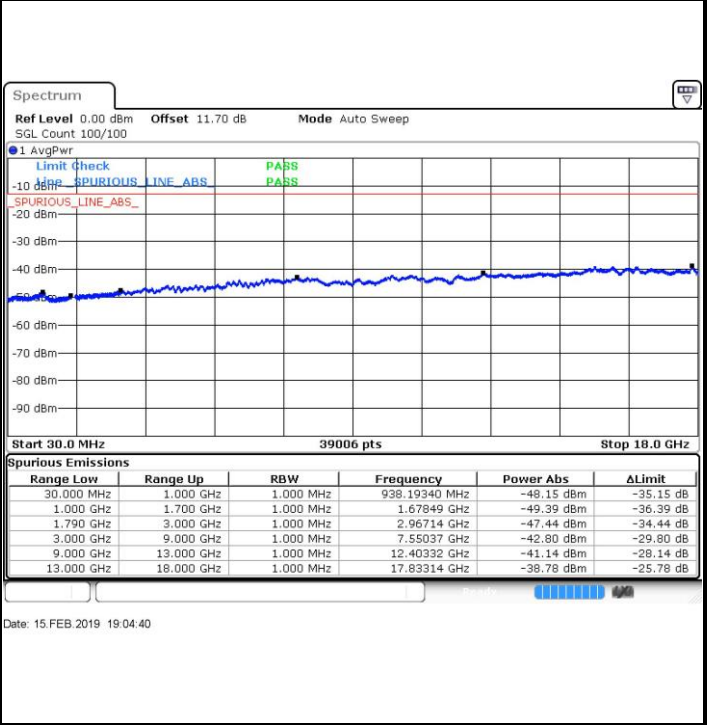


LTE Band 66 / 1.4MHz

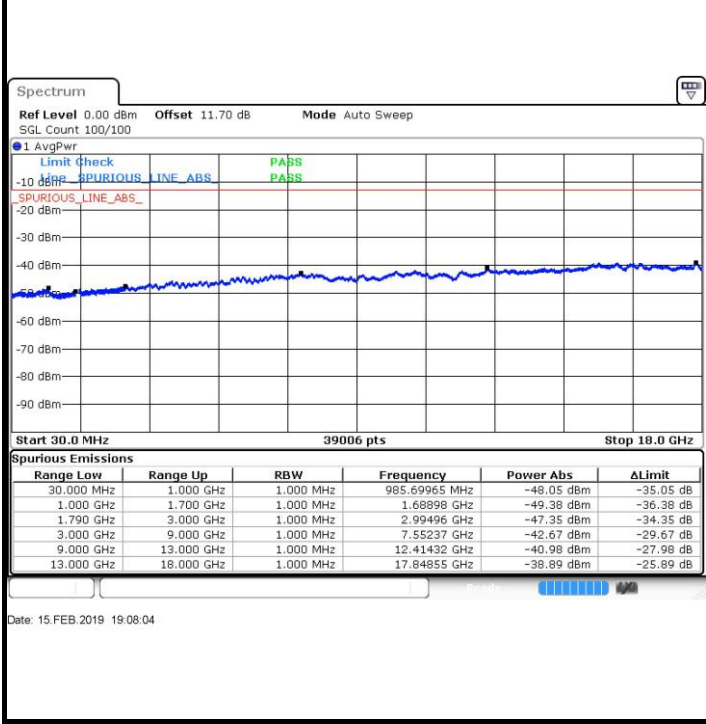
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



Highest Channel / 64QAM

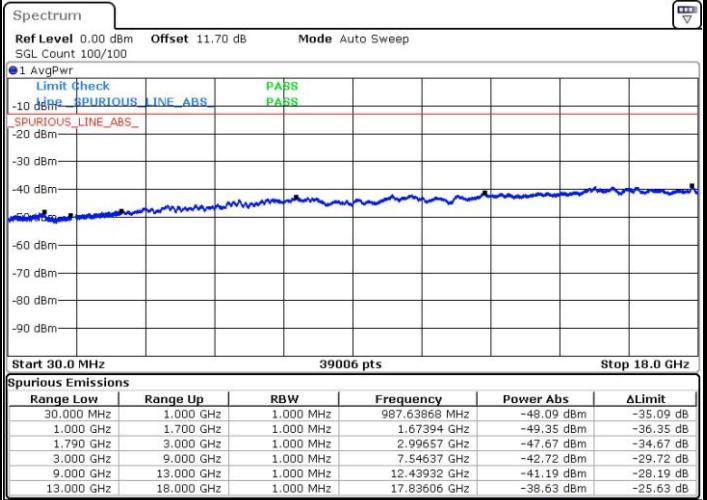
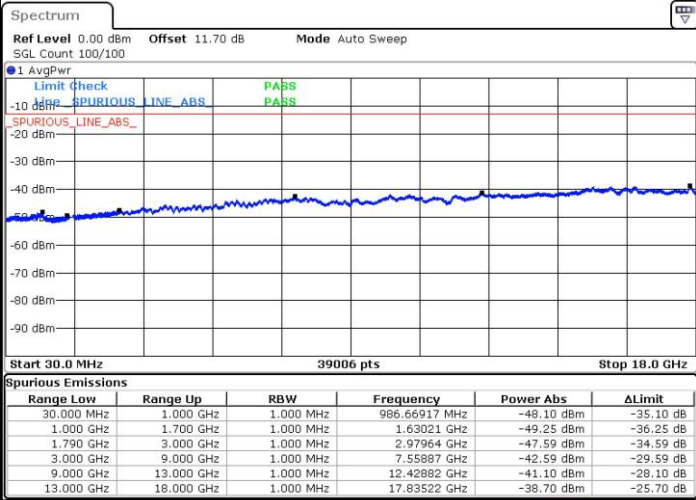




LTE Band 66 / 3MHz

Lowest Channel / 64QAM

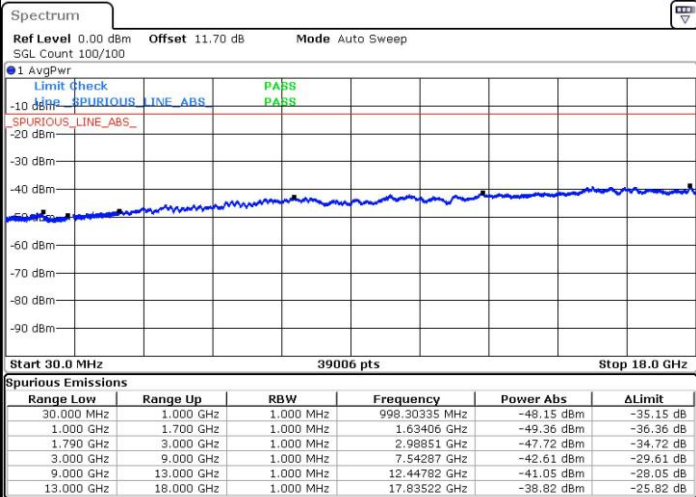
Middle Channel / 64QAM



Date: 15.FEB.2019 20:56:07

Date: 15.FEB.2019 20:57:11

Highest Channel / 64QAM



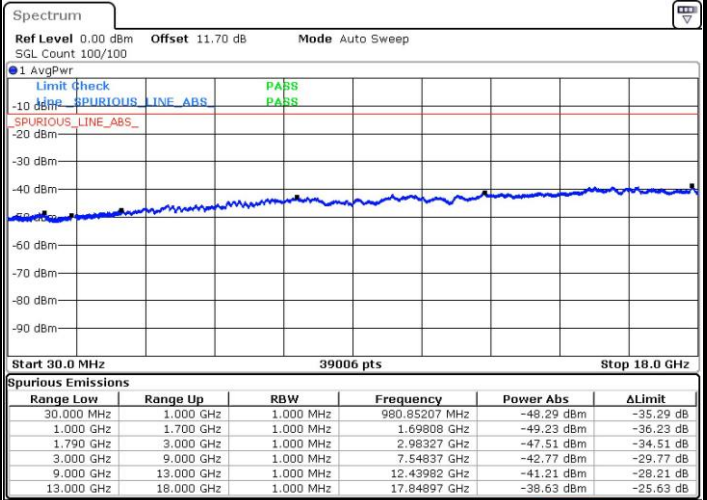
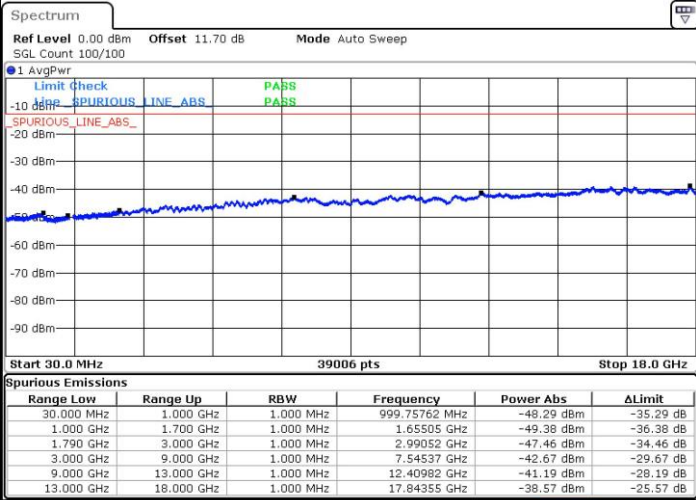
Date: 15.FEB.2019 20:59:55



LTE Band 66 / 5MHz

Lowest Channel / 64QAM

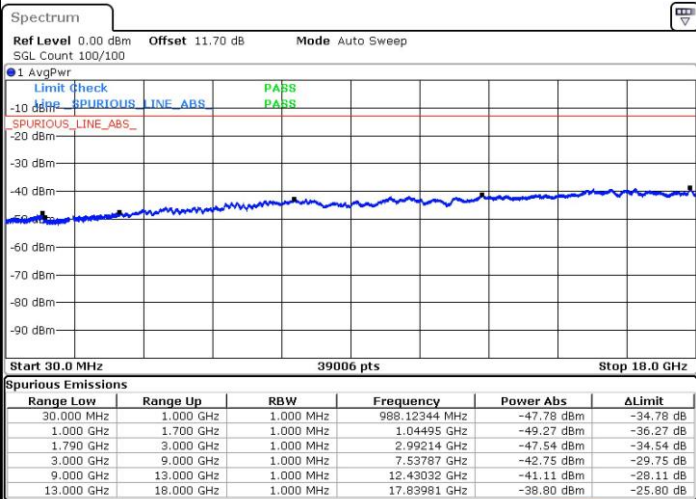
Middle Channel / 64QAM



Date: 15.FEB.2019 21:02:39

Date: 15.FEB.2019 21:03:43

Highest Channel / 64QAM



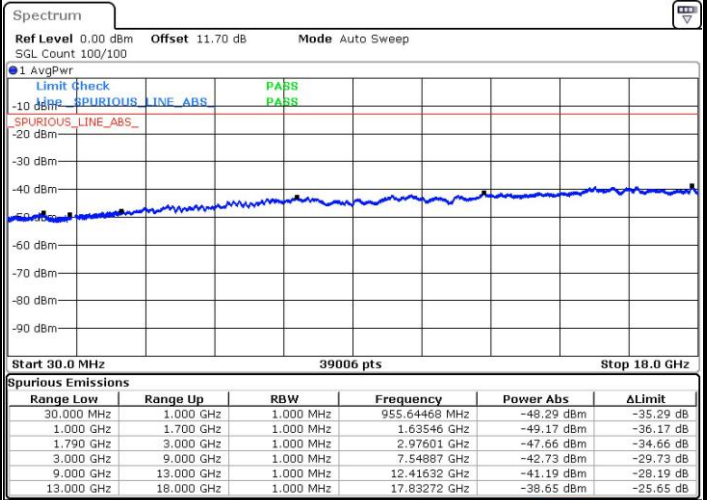
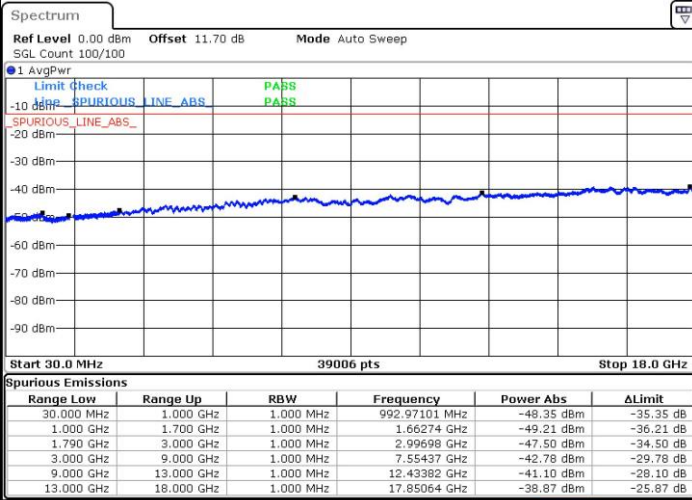
Date: 15.FEB.2019 21:06:27



LTE Band 66 / 10MHz

Lowest Channel / 64QAM

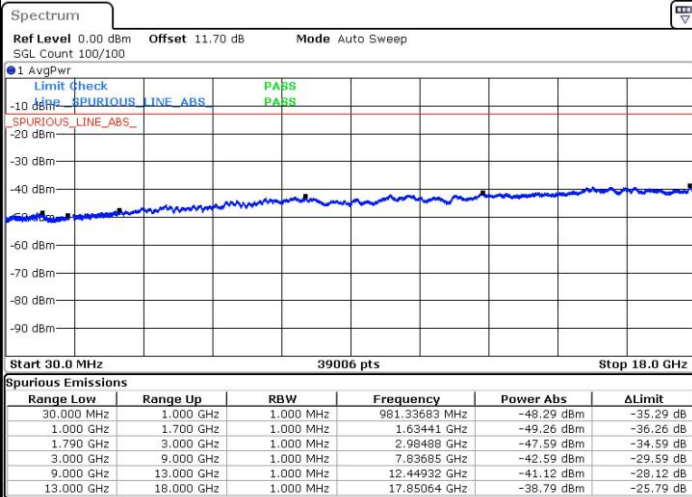
Middle Channel / 64QAM



Date: 15.FEB.2019 21:09:11

Date: 15.FEB.2019 21:10:15

Highest Channel / 64QAM



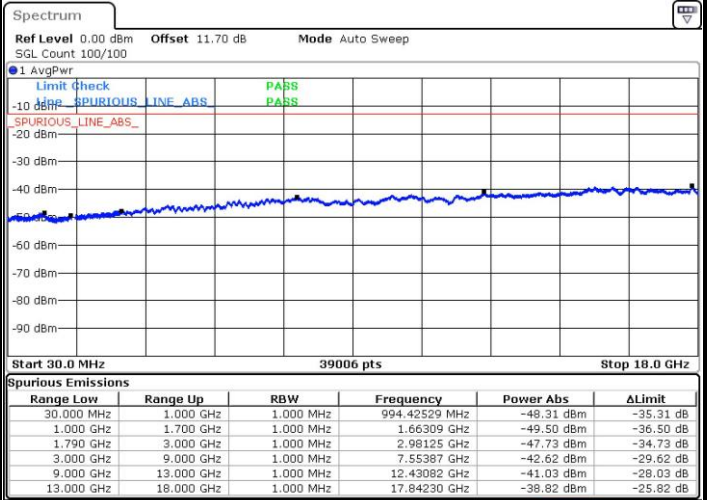
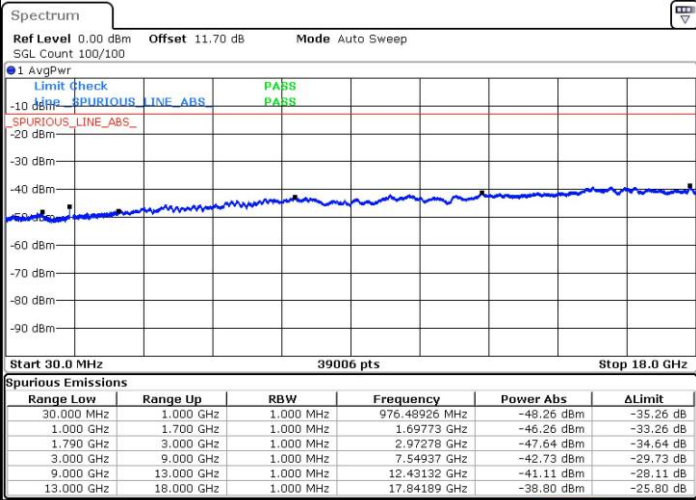
Date: 15.FEB.2019 21:12:59



LTE Band 66 / 15MHz

Lowest Channel / 64QAM

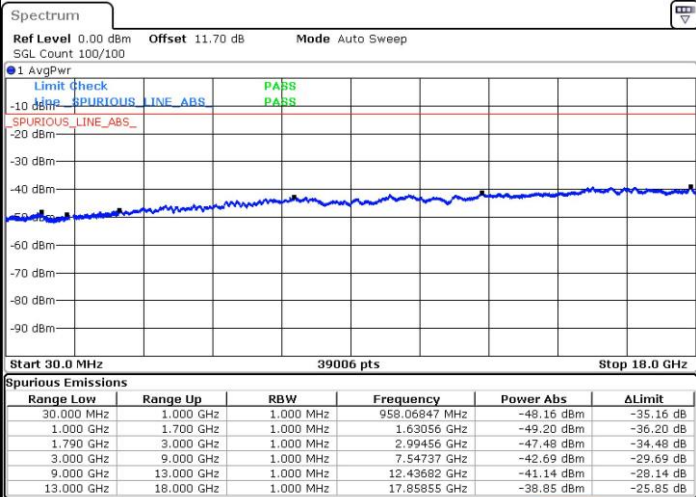
Middle Channel / 64QAM



Date: 15.FEB.2019 21:15:43

Date: 15.FEB.2019 21:16:47

Highest Channel / 64QAM



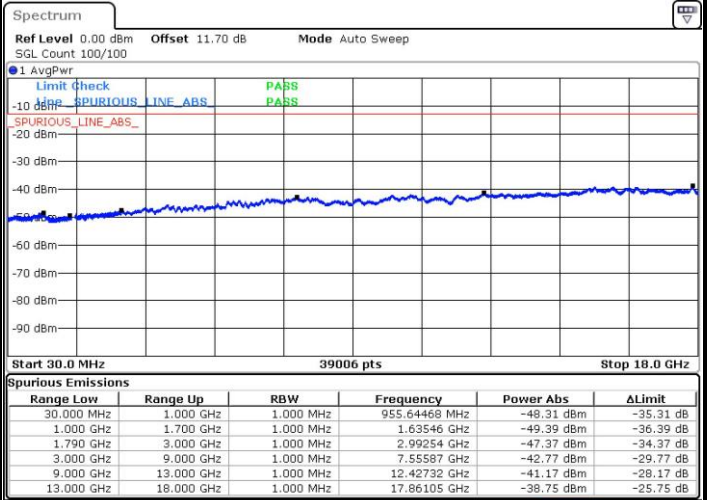
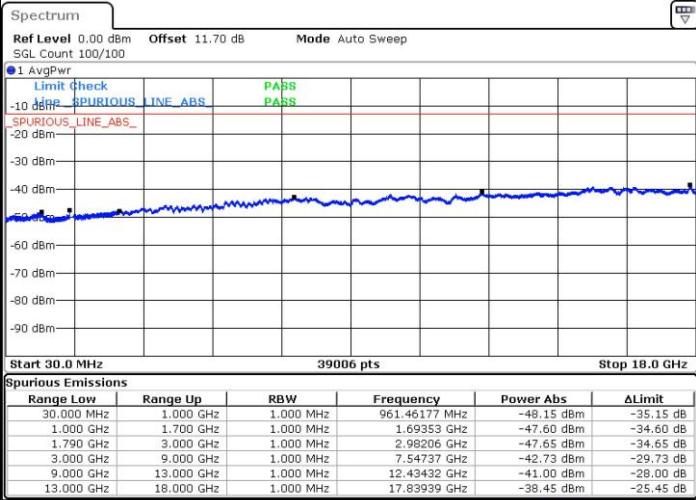
Date: 15.FEB.2019 21:19:31



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

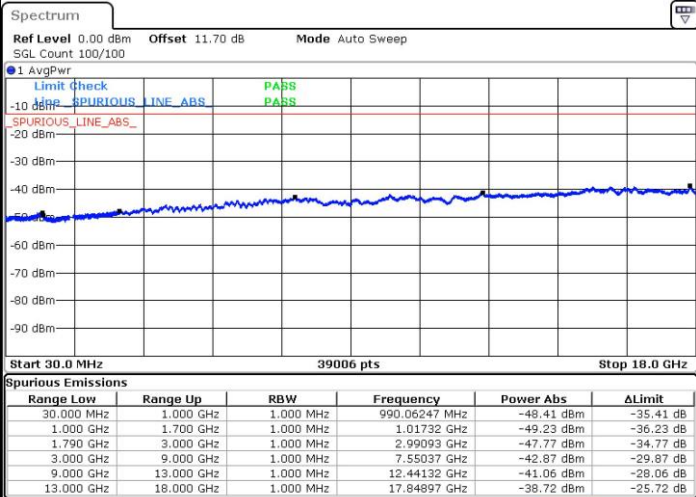
Middle Channel / 64QAM



Date: 15.FEB.2019 21:22:15

Date: 15.FEB.2019 21:23:19

Highest Channel / 64QAM



Date: 15.FEB.2019 21:26:03



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0087	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0070	
0	Normal Voltage	0.0070	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 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 = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	6	0	19.32	0.0855	14.72	0.0296
Middle		6	0	19.40	0.0871	14.80	0.0302
Highest		6	0	19.31	0.0853	14.71	0.0296
Lowest	16QAM	1	3	19.04	0.0802	14.44	0.0278
Middle		1	3	19.16	0.0824	14.56	0.0286
Highest		1	3	19.10	0.0813	14.50	0.0282
Lowest	64QAM	1	5	18.98	0.0791	14.38	0.0274
Middle		1	5	19.10	0.0813	14.50	0.0282
Highest		1	5	19.02	0.0798	14.42	0.0277
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	4	19.23	0.0838	14.63	0.0290
Middle		8	4	19.30	0.0851	14.70	0.0295
Highest		8	4	19.24	0.0839	14.64	0.0291
Lowest	16QAM	1	8	18.94	0.0783	14.34	0.0272
Middle		1	8	19.02	0.0798	14.42	0.0277
Highest		1	8	18.95	0.0785	14.35	0.0272
Lowest	64QAM	8	4	18.99	0.0793	14.39	0.0275
Middle		8	4	19.03	0.0800	14.43	0.0277
Highest		8	4	19.02	0.0798	14.42	0.0277
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	19.26	0.0843	14.66	0.0292
Middle		12	7	19.29	0.0849	14.69	0.0294
Highest		12	7	19.27	0.0845	14.67	0.0293
Lowest	16QAM	12	7	18.98	0.0791	14.38	0.0274
Middle		12	7	19.02	0.0798	14.42	0.0277
Highest		12	7	18.97	0.0789	14.37	0.0274
Lowest	64QAM	1	24	19.05	0.0804	14.45	0.0279
Middle		1	24	19.10	0.0813	14.50	0.0282
Highest		1	24	19.06	0.0805	14.46	0.0279
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	19.26	0.0843	14.66	0.0292
Middle		25	12	19.28	0.0847	14.68	0.0294
Highest		25	12	19.24	0.0839	14.64	0.0291
Lowest	16QAM	1	0	18.99	0.0793	14.39	0.0275
Middle		1	0	19.01	0.0796	14.41	0.0276
Highest		1	0	19.14	0.0820	14.54	0.0284
Lowest	64QAM	1	0	19.03	0.0800	14.43	0.0277
Middle		1	0	19.01	0.0796	14.41	0.0276
Highest		1	0	19.17	0.0826	14.57	0.0286
Limit	EIRP < 2W		Result		PASS		

LTE Band 2 / 15MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	19.37	0.0865	14.77	0.0300
Middle		36	39	19.41	0.0873	14.81	0.0303
Highest		36	39	19.40	0.0871	14.80	0.0302
Lowest	16QAM	1	74	19.23	0.0838	14.63	0.0290
Middle		1	74	19.29	0.0849	14.69	0.0294
Highest		1	74	19.27	0.0845	14.67	0.0293
Lowest	64QAM	1	0	19.25	0.0841	14.65	0.0292
Middle		1	0	19.10	0.0813	14.50	0.0282
Highest		1	0	19.21	0.0834	14.61	0.0289
Limit	EIRP < 2W		Result		PASS		

LTE Band 2 / 20MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	19.33	0.0857	14.73	0.0297
Middle		1	99	19.43	0.0877	14.83	0.0304
Highest		1	99	19.41	0.0873	14.81	0.0303
Lowest	16QAM	1	99	18.89	0.0774	14.29	0.0269
Middle		1	99	19.03	0.0800	14.43	0.0277
Highest		1	99	19.01	0.0796	14.41	0.0276
Lowest	64QAM	1	0	18.85	0.0767	14.25	0.0266
Middle		1	0	18.89	0.0774	14.29	0.0269
Highest		1	0	18.98	0.0791	14.38	0.0274
Limit	EIRP < 2W		Result		PASS		



LTE Band 25 / 1.4MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	6	0	19.25	0.0841	14.65	0.0292
Middle		6	0	19.37	0.0865	14.77	0.0300
Highest		6	0	19.40	0.0871	14.80	0.0302
Lowest	16QAM	1	3	18.98	0.0791	14.38	0.0274
Middle		1	3	19.11	0.0815	14.51	0.0282
Highest		1	3	19.12	0.0817	14.52	0.0283
Lowest	64QAM	3	1	18.94	0.0783	14.34	0.0272
Middle		3	1	19.04	0.0802	14.44	0.0278
Highest		3	1	19.09	0.0811	14.49	0.0281
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	4	19.34	0.0859	14.74	0.0298
Middle		8	4	19.43	0.0877	14.83	0.0304
Highest		8	4	19.47	0.0885	14.87	0.0307
Lowest	16QAM	1	8	19.06	0.0805	14.46	0.0279
Middle		1	8	19.16	0.0824	14.56	0.0286
Highest		1	8	19.18	0.0828	14.58	0.0287
Lowest	64QAM	1	8	19.04	0.0802	14.44	0.0278
Middle		1	8	19.13	0.0818	14.53	0.0284
Highest		1	8	19.15	0.0822	14.55	0.0285
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	13	19.33	0.0857	14.73	0.0297
Middle		12	13	19.45	0.0881	14.85	0.0305
Highest		12	13	19.47	0.0885	14.87	0.0307
Lowest	16QAM	1	24	19.00	0.0794	14.40	0.0275
Middle		1	24	19.15	0.0822	14.55	0.0285
Highest		1	24	19.15	0.0822	14.55	0.0285
Lowest	64QAM	1	12	18.95	0.0785	14.35	0.0272
Middle		1	12	19.08	0.0809	14.48	0.0281
Highest		1	12	19.12	0.0817	14.52	0.0283
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 10MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	19.31	0.0853	14.71	0.0296
Middle		50	0	19.40	0.0871	14.80	0.0302
Highest		50	0	19.45	0.0881	14.85	0.0305
Lowest	16QAM	1	0	18.97	0.0789	14.37	0.0274
Middle		1	0	19.11	0.0815	14.51	0.0282
Highest		1	0	19.10	0.0813	14.50	0.0282
Lowest	64QAM	1	49	18.92	0.0780	14.32	0.0270
Middle		1	49	19.04	0.0802	14.44	0.0278
Highest		1	49	19.07	0.0807	14.47	0.0280
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	20	19.35	0.0861	14.75	0.0299
Middle		36	20	19.45	0.0881	14.85	0.0305
Highest		36	20	19.47	0.0885	14.87	0.0307
Lowest	16QAM	1	0	19.14	0.0820	14.54	0.0284
Middle		1	0	19.29	0.0849	14.69	0.0294
Highest		1	0	19.36	0.0863	14.76	0.0299
Lowest	64QAM	1	0	19.13	0.0818	14.53	0.0284
Middle		1	0	19.27	0.0845	14.67	0.0293
Highest		1	0	19.33	0.0857	14.73	0.0297
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	24	19.36	0.0863	14.76	0.0299
Middle		50	24	19.45	0.0881	14.85	0.0305
Highest		50	24	19.50	0.0891	14.90	0.0309
Lowest	16QAM	1	99	19.13	0.0818	14.53	0.0284
Middle		1	99	19.26	0.0843	14.66	0.0292
Highest		1	99	19.31	0.0853	14.71	0.0296
Lowest	64QAM	1	0	19.20	0.0832	14.60	0.0288
Middle		1	0	19.28	0.0847	14.68	0.0294
Highest		1	0	19.23	0.0838	14.63	0.0290
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	19.77	0.0948	19.87	0.0971
Middle		1	3	19.62	0.0916	19.72	0.0938
Highest		1	3	19.59	0.0910	19.69	0.0931
Lowest	16QAM	1	3	19.69	0.0931	19.79	0.0953
Middle		1	3	19.61	0.0914	19.71	0.0935
Highest		1	3	19.58	0.0908	19.68	0.0929
Lowest	64QAM	1	3	19.69	0.0931	19.79	0.0953
Middle		1	3	19.56	0.0904	19.66	0.0925
Highest		1	3	19.58	0.0908	19.68	0.0929
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	15	0	19.84	0.0964	19.94	0.0986
Middle		15	0	19.68	0.0929	19.78	0.0951
Highest		15	0	19.68	0.0929	19.78	0.0951
Lowest	16QAM	1	8	19.73	0.0940	19.83	0.0962
Middle		1	8	19.69	0.0931	19.79	0.0953
Highest		1	8	19.63	0.0918	19.73	0.0940
Lowest	64QAM	1	8	19.73	0.0940	19.83	0.0962
Middle		1	8	19.65	0.0923	19.75	0.0944
Highest		1	8	19.64	0.0920	19.74	0.0942
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	0	19.80	0.0955	19.90	0.0977
Middle		12	0	19.65	0.0923	19.75	0.0944
Highest		12	0	19.60	0.0912	19.70	0.0933
Lowest	16QAM	1	12	19.69	0.0931	19.79	0.0953
Middle		1	12	19.60	0.0912	19.70	0.0933
Highest		1	12	19.59	0.0910	19.69	0.0931
Lowest	64QAM	1	12	19.71	0.0935	19.81	0.0957
Middle		1	12	19.59	0.0910	19.69	0.0931
Highest		1	12	19.59	0.0910	19.69	0.0931
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	19.80	0.0955	19.90	0.0977
Middle		25	12	19.71	0.0935	19.81	0.0957
Highest		25	12	19.68	0.0929	19.78	0.0951
Lowest	16QAM	1	0	19.67	0.0927	19.77	0.0948
Middle		1	0	19.53	0.0897	19.63	0.0918
Highest		1	0	19.54	0.0899	19.64	0.0920
Lowest	64QAM	1	25	19.62	0.0916	19.72	0.0938
Middle		1	25	19.50	0.0891	19.60	0.0912
Highest		1	25	19.54	0.0899	19.64	0.0920
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 15MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	19.94	0.0986	20.04	0.1009
Middle		36	39	19.84	0.0964	19.94	0.0986
Highest		36	39	19.81	0.0957	19.91	0.0979
Lowest	16QAM	1	0	19.83	0.0962	19.93	0.0984
Middle		1	0	19.77	0.0948	19.87	0.0971
Highest		1	0	19.76	0.0946	19.86	0.0968
Lowest	64QAM	1	0	19.78	0.0951	19.88	0.0973
Middle		1	0	19.74	0.0942	19.84	0.0964
Highest		1	0	19.72	0.0938	19.82	0.0959
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 20MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	24	19.95	0.0989	20.05	0.1012
Middle		50	24	19.86	0.0968	19.96	0.0991
Highest		50	24	19.81	0.0957	19.91	0.0979
Lowest	16QAM	1	0	19.81	0.0957	19.91	0.0979
Middle		1	0	19.76	0.0946	19.86	0.0968
Highest		1	0	19.72	0.0938	19.82	0.0959
Lowest	64QAM	1	0	19.82	0.0959	19.92	0.0982
Middle		1	0	19.75	0.0944	19.85	0.0966
Highest		1	0	19.69	0.0931	19.79	0.0953
Limit	EIRP < 1W		Result		PASS		



LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.98	0.2500	18.93	0.0782
Middle		1	3	23.96	0.2489	18.91	0.0778
Highest		1	3	23.91	0.2460	18.86	0.0769
Lowest	16QAM	1	3	22.74	0.1879	17.69	0.0587
Middle		1	3	22.80	0.1905	17.75	0.0596
Highest		1	3	22.72	0.1871	17.67	0.0585
Lowest	64QAM	1	3	21.71	0.1483	16.66	0.0463
Middle		1	3	21.75	0.1496	16.70	0.0468
Highest		1	3	21.69	0.1476	16.64	0.0461
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	24.00	0.2512	18.95	0.0785
Middle		1	8	24.00	0.2512	18.95	0.0785
Highest		1	8	23.99	0.2506	18.94	0.0783
Lowest	16QAM	1	8	22.81	0.1910	17.76	0.0597
Middle		1	8	22.85	0.1928	17.80	0.0603
Highest		1	8	22.78	0.1897	17.73	0.0593
Lowest	64QAM	1	8	21.77	0.1503	16.72	0.0470
Middle		1	8	21.81	0.1517	16.76	0.0474
Highest		1	8	21.80	0.1514	16.75	0.0473
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.98	0.2500	18.93	0.0782
Middle		1	12	23.94	0.2477	18.89	0.0774
Highest		1	12	23.91	0.2460	18.86	0.0769
Lowest	16QAM	1	12	22.72	0.1871	17.67	0.0585
Middle		1	12	22.76	0.1888	17.71	0.0590
Highest		1	12	22.72	0.1871	17.67	0.0585
Lowest	64QAM	1	12	21.72	0.1486	16.67	0.0465
Middle		1	12	21.74	0.1493	16.69	0.0467
Highest		1	12	21.67	0.1469	16.62	0.0459
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.95	0.2483	18.90	0.0776
Middle		1	0	23.91	0.2460	18.86	0.0769
Highest		1	0	24.01	0.2518	18.96	0.0787
Lowest	16QAM	1	0	22.71	0.1866	17.66	0.0583
Middle		1	0	22.68	0.1854	17.63	0.0579
Highest		1	0	22.74	0.1879	17.69	0.0587
Lowest	64QAM	1	0	21.66	0.1466	16.61	0.0458
Middle		1	0	21.68	0.1472	16.63	0.0460
Highest		1	0	21.72	0.1486	16.67	0.0465
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	22.43	0.1750	21.33	0.1358
Middle		12	7	22.49	0.1774	21.39	0.1377
Highest		12	7	22.39	0.1734	21.29	0.1346
Lowest	16QAM	1	12	22.03	0.1596	20.93	0.1239
Middle		1	12	22.24	0.1675	21.14	0.1300
Highest		1	12	22.12	0.1629	21.02	0.1265
Lowest	64QAM	1	12	22.00	0.1585	20.90	0.1230
Middle		1	12	22.22	0.1667	21.12	0.1294
Highest		1	12	22.12	0.1629	21.02	0.1265
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	22.34	0.1714	21.24	0.1330
Middle		25	12	22.45	0.1758	21.35	0.1365
Highest		25	12	22.26	0.1683	21.16	0.1306
Lowest	16QAM	1	49	22.00	0.1585	20.90	0.1230
Middle		1	49	22.12	0.1629	21.02	0.1265
Highest		1	49	22.03	0.1596	20.93	0.1239
Lowest	64QAM	1	0	21.90	0.1549	20.80	0.1202
Middle		1	0	22.14	0.1637	21.04	0.1271
Highest		1	0	21.96	0.1570	20.86	0.1219
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	22.47	0.1766	21.37	0.1371
Middle		36	39	22.49	0.1774	21.39	0.1377
Highest		36	39	22.36	0.1722	21.26	0.1337
Lowest	16QAM	1	74	22.08	0.1614	20.98	0.1253
Middle		1	74	22.21	0.1663	21.11	0.1291
Highest		1	74	22.17	0.1648	21.07	0.1279
Lowest	64QAM	1	74	22.06	0.1607	20.96	0.1247
Middle		1	74	22.20	0.1660	21.10	0.1288
Highest		1	74	22.15	0.1641	21.05	0.1274
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	50	22.46	0.1762	21.36	0.1368
Middle		50	50	22.50	0.1778	21.40	0.1380
Highest		50	50	22.32	0.1706	21.22	0.1324
Lowest	16QAM	1	99	22.11	0.1626	21.01	0.1262
Middle		1	99	22.21	0.1663	21.11	0.1291
Highest		1	99	22.15	0.1641	21.05	0.1274
Lowest	64QAM	1	99	22.09	0.1618	20.99	0.1256
Middle		1	99	22.20	0.1660	21.10	0.1288
Highest		1	99	22.12	0.1629	21.02	0.1265
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.96	0.2489	19.21	0.0834
Middle		1	3	24.10	0.2570	19.35	0.0861
Highest		1	3	24.00	0.2512	19.25	0.0841
Lowest	16QAM	1	3	22.74	0.1879	17.99	0.0630
Middle		1	3	22.90	0.1950	18.15	0.0653
Highest		1	3	22.78	0.1897	18.03	0.0635
Lowest	64QAM	1	3	21.73	0.1489	16.98	0.0499
Middle		1	3	21.84	0.1528	17.09	0.0512
Highest		1	3	21.72	0.1486	16.97	0.0498
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	24.00	0.2512	19.25	0.0841
Middle		1	8	24.10	0.2570	19.35	0.0861
Highest		1	8	24.00	0.2512	19.25	0.0841
Lowest	16QAM	1	8	22.83	0.1919	18.08	0.0643
Middle		1	8	22.94	0.1968	18.19	0.0659
Highest		1	8	22.91	0.1954	18.16	0.0655
Lowest	64QAM	1	8	21.85	0.1531	17.10	0.0513
Middle		1	8	21.92	0.1556	17.17	0.0521
Highest		1	8	21.85	0.1531	17.10	0.0513
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	24.09	0.2564	19.34	0.0859
Middle		1	24	24.10	0.2570	19.35	0.0861
Highest		1	24	23.99	0.2506	19.24	0.0839
Lowest	16QAM	1	12	22.80	0.1905	18.05	0.0638
Middle		1	12	22.89	0.1945	18.14	0.0652
Highest		1	12	22.84	0.1923	18.09	0.0644
Lowest	64QAM	1	12	21.76	0.1500	17.01	0.0502
Middle		1	12	21.86	0.1535	17.11	0.0514
Highest		1	12	21.81	0.1517	17.06	0.0508
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	24.17	0.2612	19.42	0.0875
Middle		1	49	24.11	0.2576	19.36	0.0863
Highest		1	49	23.92	0.2466	19.17	0.0826
Lowest	16QAM	1	49	22.86	0.1932	18.11	0.0647
Middle		1	49	22.86	0.1932	18.11	0.0647
Highest		1	49	22.70	0.1862	17.95	0.0624
Lowest	64QAM	1	49	21.90	0.1549	17.15	0.0519
Middle		1	49	21.93	0.1560	17.18	0.0522
Highest		1	49	21.73	0.1489	16.98	0.0499
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = -3.2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.87	0.2438	18.52	0.0711
Middle		1	12	24.10	0.2570	18.75	0.0750
Highest		1	12	24.02	0.2523	18.67	0.0736
Lowest	16QAM	1	12	22.59	0.1816	17.24	0.0530
Middle		1	12	22.82	0.1914	17.47	0.0558
Highest		1	12	22.74	0.1879	17.39	0.0548
Lowest	64QAM	1	12	21.57	0.1435	16.22	0.0419
Middle		1	12	21.81	0.1517	16.46	0.0443
Highest		1	12	21.73	0.1489	16.38	0.0435
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = -3.2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	24.20	0.2630	18.85	0.0767
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	22.90	0.1950	17.55	0.0569
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	0	21.88	0.1542	16.53	0.0450
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	24.08	0.2559	19.33	0.0857
Middle		1	12	24.00	0.2512	19.25	0.0841
Highest		1	12	24.15	0.2600	19.40	0.0871
Lowest	16QAM	1	12	22.87	0.1936	18.12	0.0649
Middle		1	12	22.91	0.1954	18.16	0.0655
Highest		1	12	22.89	0.1945	18.14	0.0652
Lowest	64QAM	1	12	21.84	0.1528	17.09	0.0512
Middle		1	12	21.90	0.1549	17.15	0.0519
Highest		1	12	21.87	0.1538	17.12	0.0515
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	24.14	0.2594	19.39	0.0869
Middle		1	49	24.16	0.2606	19.41	0.0873
Highest		1	49	24.08	0.2559	19.33	0.0857
Lowest	16QAM	1	49	22.91	0.1954	18.16	0.0655
Middle		1	49	22.96	0.1977	18.21	0.0662
Highest		1	49	22.86	0.1932	18.11	0.0647
Lowest	64QAM	1	49	21.91	0.1552	17.16	0.0520
Middle		1	49	21.89	0.1545	17.14	0.0518
Highest		1	49	21.85	0.1531	17.10	0.0513
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	22.42	0.1746	22.12	0.1629
Middle		12	7	22.35	0.1718	22.05	0.1603
Highest		12	7	22.36	0.1722	22.06	0.1607
Lowest	16QAM	1	12	22.07	0.1611	21.77	0.1503
Middle		1	12	22.00	0.1585	21.70	0.1479
Highest		1	12	21.94	0.1563	21.64	0.1459
Lowest	64QAM	1	12	22.01	0.1589	21.71	0.1483
Middle		1	12	21.94	0.1563	21.64	0.1459
Highest		1	12	21.87	0.1538	21.57	0.1435
Limit	EIRP < 2W		Result		PASS		

LTE Band 41 / 10MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	22.39	0.1734	22.09	0.1618
Middle		50	0	22.36	0.1722	22.06	0.1607
Highest		50	0	22.33	0.1710	22.03	0.1596
Lowest	16QAM	1	0	22.01	0.1589	21.71	0.1483
Middle		1	0	21.93	0.1560	21.63	0.1455
Highest		1	0	21.93	0.1560	21.63	0.1455
Lowest	64QAM	1	0	21.96	0.1570	21.66	0.1466
Middle		1	0	21.87	0.1538	21.57	0.1435
Highest		1	0	21.84	0.1528	21.54	0.1426
Limit	EIRP < 2W		Result		PASS		

LTE Band 41 / 15MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	22.40	0.1738	22.10	0.1622
Middle		36	39	22.36	0.1722	22.06	0.1607
Highest		36	39	22.33	0.1710	22.03	0.1596
Lowest	16QAM	1	0	22.00	0.1585	21.70	0.1479
Middle		1	0	21.90	0.1549	21.60	0.1445
Highest		1	0	21.85	0.1531	21.55	0.1429
Lowest	64QAM	1	74	21.90	0.1549	21.60	0.1445
Middle		1	74	21.89	0.1545	21.59	0.1442
Highest		1	74	21.93	0.1560	21.63	0.1455
Limit	EIRP < 2W		Result		PASS		



LTE Band 41 / 20MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	22.46	0.1762	22.16	0.1644
Middle		50	0	22.34	0.1714	22.04	0.1600
Highest		50	0	22.25	0.1679	21.95	0.1567
Lowest	16QAM	1	0	22.04	0.1600	21.74	0.1493
Middle		1	0	21.90	0.1549	21.60	0.1445
Highest		1	0	21.83	0.1524	21.53	0.1422
Lowest	64QAM	1	0	21.97	0.1574	21.67	0.1469
Middle		1	0	21.82	0.1521	21.52	0.1419
Highest		1	0	21.73	0.1489	21.43	0.1390
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.90	0.2455	18.85	0.0767
Middle		1	3	23.89	0.2449	18.84	0.0766
Highest		1	3	24.00	0.2512	18.95	0.0785
Lowest	16QAM	1	3	22.66	0.1845	17.61	0.0577
Middle		1	3	22.70	0.1862	17.65	0.0582
Highest		1	3	22.76	0.1888	17.71	0.0590
Lowest	64QAM	3	1	21.58	0.1439	16.53	0.0450
Middle		3	1	21.57	0.1435	16.52	0.0449
Highest		3	1	21.75	0.1496	16.70	0.0468
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	24.01	0.2518	18.96	0.0787
Middle		1	8	24.02	0.2523	18.97	0.0789
Highest		1	8	24.10	0.2570	19.05	0.0804
Lowest	16QAM	1	8	22.74	0.1879	17.69	0.0587
Middle		1	8	22.76	0.1888	17.71	0.0590
Highest		1	8	22.90	0.1950	17.85	0.0610
Lowest	64QAM	1	8	21.69	0.1476	16.64	0.0461
Middle		1	8	21.72	0.1486	16.67	0.0465
Highest		1	8	21.88	0.1542	16.83	0.0482
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.90	0.2455	18.85	0.0767
Middle		1	24	23.95	0.2483	18.90	0.0776
Highest		1	24	24.04	0.2535	18.99	0.0793
Lowest	16QAM	1	12	22.67	0.1849	17.62	0.0578
Middle		1	12	22.70	0.1862	17.65	0.0582
Highest		1	12	22.82	0.1914	17.77	0.0598
Lowest	64QAM	1	12	21.65	0.1462	16.60	0.0457
Middle		1	12	21.67	0.1469	16.62	0.0459
Highest		1	12	21.79	0.1510	16.74	0.0472
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.97	0.2495	18.92	0.0780
Middle		1	0	23.97	0.2495	18.92	0.0780
Highest		1	0	24.11	0.2576	19.06	0.0805
Lowest	16QAM	1	0	22.73	0.1875	17.68	0.0586
Middle		1	0	22.77	0.1892	17.72	0.0592
Highest		1	0	22.91	0.1954	17.86	0.0611
Lowest	64QAM	1	0	21.70	0.1479	16.65	0.0462
Middle		1	0	21.76	0.1500	16.71	0.0469
Highest		1	0	21.90	0.1549	16.85	0.0484
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.01	0.2518	18.96	0.0787
Middle		1	0	24.04	0.2535	18.99	0.0793
Highest		1	0	24.12	0.2582	19.07	0.0807
Lowest	16QAM	1	74	22.84	0.1923	17.79	0.0601
Middle		1	74	22.89	0.1945	17.84	0.0608
Highest		1	74	22.83	0.1919	17.78	0.0600
Lowest	64QAM	1	0	21.74	0.1493	16.69	0.0467
Middle		1	0	21.82	0.1521	16.77	0.0475
Highest		1	0	21.88	0.1542	16.83	0.0482
Limit	ERP < 7W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	6	0	19.75	0.0944	19.85	0.0966
Middle		6	0	19.52	0.0895	19.62	0.0916
Highest		6	0	19.71	0.0935	19.81	0.0957
Lowest	16QAM	1	3	19.44	0.0879	19.54	0.0899
Middle		1	3	19.31	0.0853	19.41	0.0873
Highest		1	3	19.48	0.0887	19.58	0.0908
Lowest	64QAM	1	3	19.49	0.0889	19.59	0.0910
Middle		1	3	19.30	0.0851	19.40	0.0871
Highest		1	3	19.45	0.0881	19.55	0.0902
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	15	0	19.88	0.0973	19.98	0.0995
Middle		15	0	19.63	0.0918	19.73	0.0940
Highest		15	0	19.80	0.0955	19.90	0.0977
Lowest	16QAM	1	8	19.55	0.0902	19.65	0.0923
Middle		1	8	19.36	0.0863	19.46	0.0883
Highest		1	8	19.53	0.0897	19.63	0.0918
Lowest	64QAM	1	8	19.60	0.0912	19.70	0.0933
Middle		1	8	19.40	0.0871	19.50	0.0891
Highest		1	8	19.54	0.0899	19.64	0.0920
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	13	19.85	0.0966	19.95	0.0989
Middle		12	13	19.62	0.0916	19.72	0.0938
Highest		12	13	19.79	0.0953	19.89	0.0975
Lowest	16QAM	1	24	19.56	0.0904	19.66	0.0925
Middle		1	24	19.33	0.0857	19.43	0.0877
Highest		1	24	19.53	0.0897	19.63	0.0918
Lowest	64QAM	1	24	19.53	0.0897	19.63	0.0918
Middle		1	24	19.33	0.0857	19.43	0.0877
Highest		1	24	19.48	0.0887	19.58	0.0908
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	0	19.84	0.0964	19.94	0.0986
Middle		25	0	19.62	0.0916	19.72	0.0938
Highest		25	0	19.78	0.0951	19.88	0.0973
Lowest	16QAM	1	0	19.53	0.0897	19.63	0.0918
Middle		1	0	19.30	0.0851	19.40	0.0871
Highest		1	0	19.53	0.0897	19.63	0.0918
Lowest	64QAM	1	0	19.50	0.0891	19.60	0.0912
Middle		1	0	19.30	0.0851	19.40	0.0871
Highest		1	0	19.46	0.0883	19.56	0.0904
Limit	EIRP < 1W		Result		PASS		

LTE Band 66 / 15MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	0	19.91	0.0979	20.01	0.1002
Middle		36	0	19.83	0.0962	19.93	0.0984
Highest		36	0	19.99	0.0998	20.09	0.1021
Lowest	16QAM	1	0	19.76	0.0946	19.86	0.0968
Middle		1	0	19.55	0.0902	19.65	0.0923
Highest		1	0	19.69	0.0931	19.79	0.0953
Lowest	64QAM	1	0	19.74	0.0942	19.84	0.0964
Middle		1	0	19.57	0.0906	19.67	0.0927
Highest		1	0	19.68	0.0929	19.78	0.0951
Limit	EIRP < 1W		Result		PASS		

LTE Band 66 / 20MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	20.00	0.1000	20.10	0.1023
Middle		50	0	19.86	0.0968	19.96	0.0991
Highest		50	0	19.95	0.0989	20.05	0.1012
Lowest	16QAM	1	0	19.71	0.0935	19.81	0.0957
Middle		1	0	19.51	0.0893	19.61	0.0914
Highest		1	0	19.65	0.0923	19.75	0.0944
Lowest	64QAM	1	0	19.71	0.0935	19.81	0.0957
Middle		1	0	19.52	0.0895	19.62	0.0916
Highest		1	0	19.63	0.0918	19.73	0.0940
Limit	EIRP < 1W		Result		PASS		



Radiated Spurious Emission

LTE Band 26

LTE Band 26 / 15MHz / 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	1663	-64.11	-13	-51.11	-72.9	-69.89	0.82	8.75	H
	2495	-60.53	-13	-47.53	-74.14	-68.12	1.05	10.79	H
	3328	-58.54	-13	-45.54	-73.99	-67.21	1.10	11.92	H
									H
									H
									H
	1663	-64.31	-13	-51.31	-72.96	-70.09	0.82	8.75	V
	2495	-60.53	-13	-47.53	-74.24	-68.12	1.05	10.79	V
	3328	-58.00	-13	-45.00	-73.92	-66.67	1.10	11.92	V
									V
									V
									V
Middle	1664	-63.94	-13	-50.94	-72.74	-69.73	0.82	8.76	H
	2496	-60.54	-13	-47.54	-74.15	-68.13	1.05	10.79	H
	3328	-58.22	-13	-45.22	-73.67	-66.89	1.10	11.92	H
									H
									H
									H
	1664	-64.20	-13	-51.20	-72.85	-69.99	0.82	8.76	V
	2496	-60.34	-13	-47.34	-74.04	-67.93	1.05	10.79	V
	3328	-57.95	-13	-44.95	-73.86	-66.62	1.10	11.92	V
									V
									V
									V



Highest	1683	-64.08	-13	-51.08	-72.96	-69.94	0.82	8.83	H
	2525	-60.51	-13	-47.51	-74.18	-68.13	1.05	10.82	H
	3366	-58.51	-13	-45.51	-73.75	-67.27	1.10	12.01	H
									H
									H
									H
									H
	1683	-64.18	-13	-51.18	-72.91	-70.04	0.82	8.83	V
	2525	-59.76	-13	-46.76	-73.52	-67.38	1.05	10.82	V
	3366	-57.85	-13	-44.85	-73.67	-66.61	1.10	12.01	V
									V
									V
									V
									V

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



LTE Band 25

LTE Band 25/ 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	-57.01	-13	-44.01	-74.59	-68.24	1.25	12.48	H	
	5580	-54.62	-13	-41.62	-76.28	-66.09	1.82	13.28	H	
	7440	-49.76	-13	-36.76	-76.1	-58.49	2.45	11.18	H	
										H
										H
										H
										H
	3720	-56.23	-13	-43.23	-74.36	-67.46	1.25	12.48	V	
	5580	-53.80	-13	-40.80	-76.17	-65.27	1.82	13.28	V	
	7440	-49.87	-13	-36.87	-75.94	-58.60	2.45	11.18	V	
										V
										V
										V
										V
Middle	3760	-56.68	-13	-43.68	-74.31	-67.92	1.27	12.51	H	
	5640	-53.83	-13	-40.83	-75.58	-65.25	1.85	13.27	H	
	7520	-49.27	-13	-36.27	-75.93	-57.89	2.50	11.11	H	
										H
										H
										H
										H
	3760	-56.36	-13	-43.36	-74.59	-67.60	1.27	12.51	V	
	5640	-53.04	-13	-40.04	-75.45	-64.46	1.85	13.27	V	
	7520	-49.84	-13	-36.84	-76.32	-58.46	2.50	11.11	V	
										V
										V
										V
										V



Highest	3810	-56.91	-13	-43.91	-74.61	-68.15	1.30	12.55	H
	5715	-54.21	-13	-41.21	-76.11	-65.57	1.89	13.26	H
	7620	-50.55	-13	-37.55	-76.58	-59.15	2.57	11.17	H
									H
									H
									H
									H
	3810	-56.33	-13	-43.33	-74.7	-67.57	1.30	12.55	V
	5715	-53.35	-13	-40.35	-75.91	-64.71	1.89	13.26	V
	7620	-50.58	-13	-37.58	-76.68	-59.18	2.57	11.17	V
									V
									V
									V
									V

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



LTE Band 66

LTE Band 66 / 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	3420	-58.68	-13	-45.68	-74.66	-69.70	1.10	12.12	H
	5135	-55.41	-13	-42.41	-76.31	-66.75	1.52	12.86	H
	6844	-51.76	-13	-38.76	-76.02	-61.54	2.17	11.96	H
									H
									H
									H
									H
	3420	-58.16	-13	-45.16	-74.72	-69.18	1.10	12.12	V
	5135	-55.16	-13	-42.16	-76.69	-66.50	1.52	12.86	V
	6844	-52.10	-13	-39.10	-76.55	-61.88	2.17	11.96	V
									V
									V
									V
									V
Middle	3469	-57.54	-13	-44.54	-74.33	-68.67	1.10	12.23	H
	5208	-55.55	-13	-42.55	-76.58	-66.93	1.57	12.95	H
	6941	-51.56	-13	-38.56	-75.85	-61.20	2.22	11.86	H
									H
									H
									H
									H
	3469	-57.10	-13	-44.10	-74.21	-68.23	1.10	12.23	V
	5208	-54.87	-13	-41.87	-76.61	-66.25	1.57	12.95	V
	6941	-51.02	-13	-38.02	-75.89	-60.66	2.22	11.86	V
									V
									V
									V
									V



Highest	3525	-56.98	-13	-43.98	-74.32	-68.18	1.12	12.32	H
	5283	-54.86	-13	-41.86	-76.02	-66.28	1.62	13.04	H
	7044	-50.35	-13	-37.35	-74.95	-59.83	2.26	11.74	H
									H
									H
									H
									H
	3525	-56.53	-13	-43.53	-74.08	-67.73	1.12	12.32	V
	5283	-54.10	-13	-41.10	-75.96	-65.52	1.62	13.04	V
	7044	-50.09	-13	-37.09	-75.42	-59.57	2.26	11.74	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 / 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	5020	-54.84	-25	-29.84	-75.53	-66.12	1.44	12.72	H	
	7530	-48.81	-25	-23.81	-75.39	-57.43	2.50	11.12	H	
	10040	-45.00	-25	-20.00	-75.73	-53.13	3.05	11.18	H	
										H
										H
										H
										H
	5020	-54.32	-25	-29.32	-75.53	-65.60	1.44	12.72	V	
	7530	-48.80	-25	-23.80	-75.23	-57.42	2.50	11.12	V	
	10040	-45.39	-25	-20.39	-75.79	-53.52	3.05	11.18	V	
										V
										V
										V
										V
Middle	5070	-54.71	-25	-29.71	-75.49	-66.02	1.48	12.78	H	
	7605	-49.30	-25	-24.30	-75.32	-57.90	2.56	11.16	H	
	10140	-44.26	-25	-19.26	-75.11	-52.30	3.10	11.14	H	
										H
										H
										H
										H
	5070	-53.02	-25	-28.02	-74.37	-64.33	1.48	12.78	V	
	7605	-49.47	-25	-24.47	-75.56	-58.07	2.56	11.16	V	
	10140	-44.74	-25	-19.74	-75.29	-52.78	3.10	11.14	V	
										V
										V
										V
										V



Highest	5100	-53.37	-25	-28.37	-74.19	-64.69	1.50	12.82	H
	7656	-49.08	-25	-24.08	-75.15	-57.68	2.60	11.19	H
	10200	-45.16	-25	-20.16	-76.08	-53.15	3.13	11.12	H
									H
									H
									H
									H
	5100	-53.58	-25	-28.58	-75.03	-64.90	1.50	12.82	V
	7656	-49.54	-25	-24.54	-75.69	-58.14	2.60	11.19	V
	10200	-45.97	-25	-20.97	-76.61	-53.96	3.13	11.12	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	5016	-54.48	-25	-29.48	-75.49	-65.76	1.44	12.72	H
	7524	-49.68	-25	-24.68	-76.47	-58.30	2.50	11.11	H
	10032	-47.06	-25	-22.06	-77.73	-55.20	3.05	11.19	H
									H
									H
									H
									H
	5016	-54.47	-25	-29.47	-75.67	-65.75	1.44	12.72	V
	7524	-49.69	-25	-24.69	-76.14	-58.31	2.50	11.11	V
	10032	-47.06	-25	-22.06	-77.46	-55.20	3.05	11.19	V
									V
									V
									V
									V
Middle	5196	-55.38	-25	-30.38	-76.38	-66.75	1.56	12.94	H
	7788	-49.78	-25	-24.78	-76.03	-58.35	2.70	11.27	H
	10380	-45.21	-25	-20.21	-76.34	-53.04	3.22	11.05	H
									H
									H
									H
									H
	5196	-54.71	-25	-29.71	-76.43	-66.08	1.56	12.94	V
	7788	-49.28	-25	-24.28	-75.61	-57.85	2.70	11.27	V
	10380	-45.72	-25	-20.72	-76.62	-53.55	3.22	11.05	V
									V
									V
									V
									V



Highest	5364	-55.89	-25	-30.89	-77.19	-67.35	1.68	13.14	H
	8052	-48.18	-25	-23.18	-76.03	-56.80	2.86	11.47	H
	10728	-46.09	-25	-21.09	-77.41	-53.92	3.12	10.95	H
									H
									H
									H
									H
	5364	-55.53	-25	-30.53	-77.51	-66.99	1.68	13.14	V
	8052	-48.66	-25	-23.66	-76.31	-57.28	2.86	11.47	V
	10728	-46.26	-25	-21.26	-77.5	-54.09	3.12	10.95	V
									V
									V
									V
									V

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



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	1400	-61.61	-13	-48.61	-71.62	-66.40	0.74	7.68	H	
	2104	-61.24	-13	-48.24	-73.61	-68.39	0.95	10.25	H	
	2808	-58.51	-13	-45.51	-73.46	-66.32	1.09	11.05	H	
										H
										H
										H
										H
	1400	-62.33	-13	-49.33	-71.90	-67.12	0.74	7.68	V	
	2104	-60.99	-13	-47.99	-73.42	-68.14	0.95	10.25	V	
	2808	-57.94	-13	-44.94	-73.41	-65.75	1.09	11.05	V	
										V
										V
										V
										V
Middle	1408	-62.44	-13	-49.44	-72.36	-67.26	0.74	7.71	H	
	2112	-60.84	-13	-47.84	-73.26	-68.00	0.95	10.26	H	
	2808	-58.71	-13	-45.71	-73.67	-66.52	1.09	11.05	H	
										H
										H
										H
										H
	1408	-62.38	-13	-49.38	-71.92	-67.20	0.74	7.71	V	
	2112	-60.52	-13	-47.52	-73.06	-67.68	0.95	10.26	V	
	2808	-58.26	-13	-45.26	-73.70	-66.07	1.09	11.05	V	
										V
										V
										V
										V



Highest	1416	-49.67	-13	-36.67	-72.50	-54.53	0.74	7.75	H
	2120	-48.12	-13	-35.12	-73.65	-55.29	0.95	10.27	H
	2824	-58.64	-13	-45.64	-73.63	-66.46	1.09	11.06	H
									H
									H
									H
									H
	1416	-62.49	-13	-49.49	-71.99	-67.35	0.74	7.75	V
	2120	-60.36	-13	-47.36	-73.03	-67.53	0.95	10.27	V
	2824	-58.00	-13	-45.00	-73.49	-65.82	1.09	11.06	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / 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	1560	-63.61	-42.15	-21.46	-72.24	-69.01	0.79	8.34	H
	2336	-59.54	-13	-46.54	-72.98	-66.95	1.01	10.57	H
	3120	-57.42	-13	-44.42	-73.25	-65.62	1.11	11.46	H
									H
									H
									H
									H
	1560	-63.40	-42.15	-21.25	-72.05	-68.80	0.79	8.34	V
	2336	-59.52	-13	-46.52	-73.27	-66.93	1.01	10.57	V
	3120	-58.44	-13	-45.44	-73.51	-66.64	1.11	11.46	V
									V
									V
									V
									V
Middle	1564	-63.83	-42.15	-21.68	-72.45	-69.25	0.79	8.36	H
	2346	-60.33	-13	-47.33	-73.76	-67.75	1.01	10.58	H
	3128	-57.88	-13	-44.88	-73.73	-66.10	1.11	11.48	H
									H
									H
									H
									H
	1564	-64.15	-42.15	-22.00	-72.81	-69.57	0.79	8.36	V
	2346	-60.18	-13	-47.18	-73.93	-67.60	1.01	10.58	V
	3128	-57.68	-13	-44.68	-73.78	-65.90	1.11	11.48	V
									V
									V
									V
									V



Highest	1568	-64.18	-42.15	-22.03	-72.82	-69.61	0.79	8.37	H
	2352	-59.95	-13	-46.95	-73.38	-67.38	1.01	10.59	H
	3136	-57.91	-13	-44.91	-73.78	-66.15	1.11	11.50	H
									H
									H
									H
									H
	1568	-63.88	-42.15	-21.73	-72.50	-69.31	0.79	8.37	V
	2352	-59.52	-13	-46.52	-73.26	-66.95	1.01	10.59	V
	3136	-57.89	-13	-44.89	-73.99	-66.13	1.11	11.50	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 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)
Middle	1560	-64.11	-42.15	-21.96	-72.75	-69.51	0.79	8.34	H
	2346	-59.58	-13	-46.58	-73.03	-67.00	1.01	10.58	H
	3128	-57.98	-13	-44.98	-73.8	-66.20	1.11	11.48	H
									H
									H
									H
									H
	1560	-64.20	-42.15	-22.05	-72.86	-69.60	0.79	8.34	V
	2346	-60.00	-13	-47.00	-73.76	-67.42	1.01	10.58	V
	3128	-57.82	-13	-44.82	-73.91	-66.04	1.11	11.48	V
									V
									V
									V
									V

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