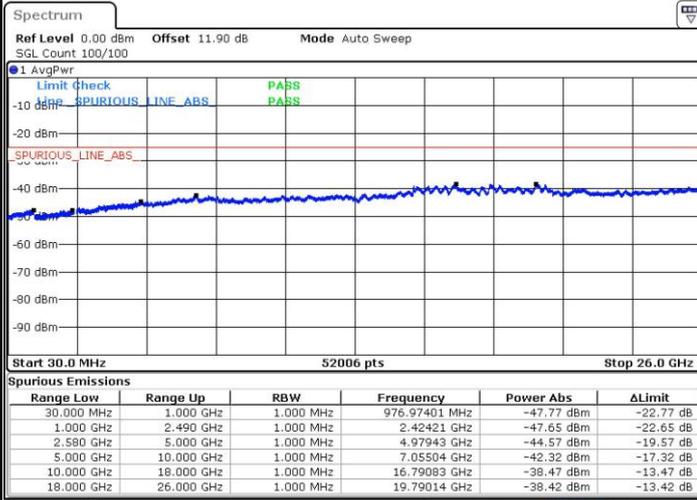




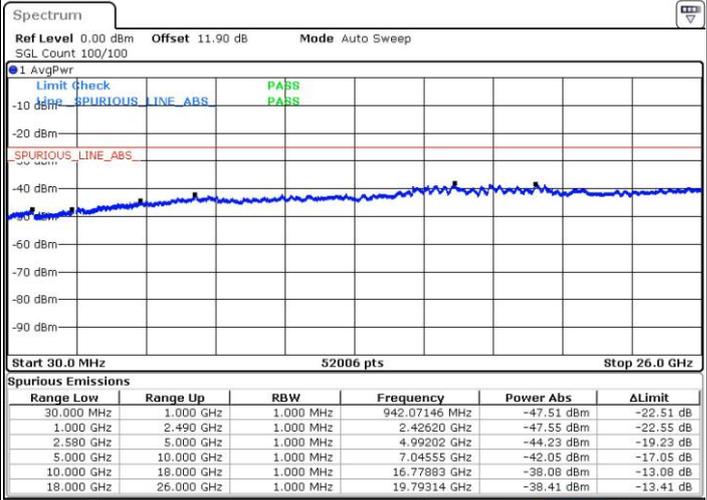
LTE Band 7 / 5MHz

Highest Channel / QPSK



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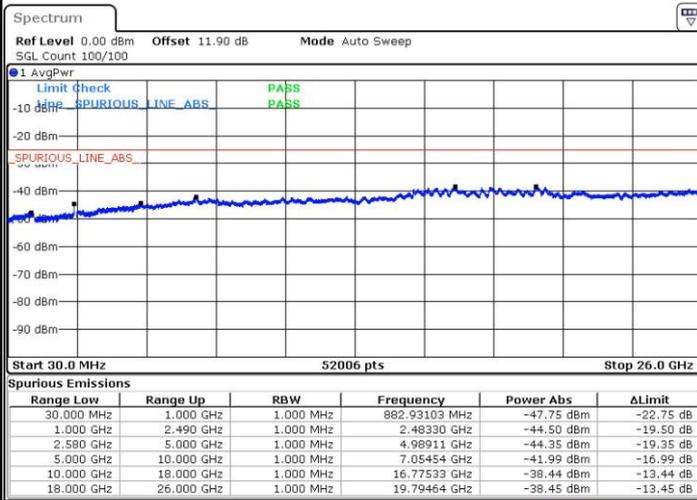
Highest Channel / 16QAM



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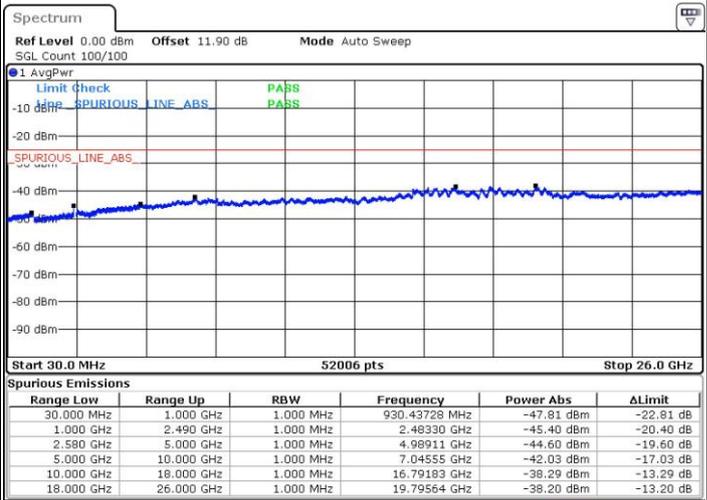
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 5.MAR.2016 16:15:18

Lowest Channel / 16QAM



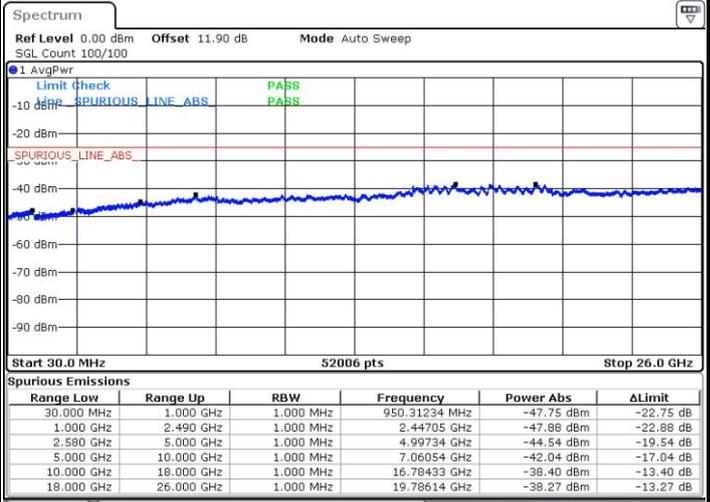
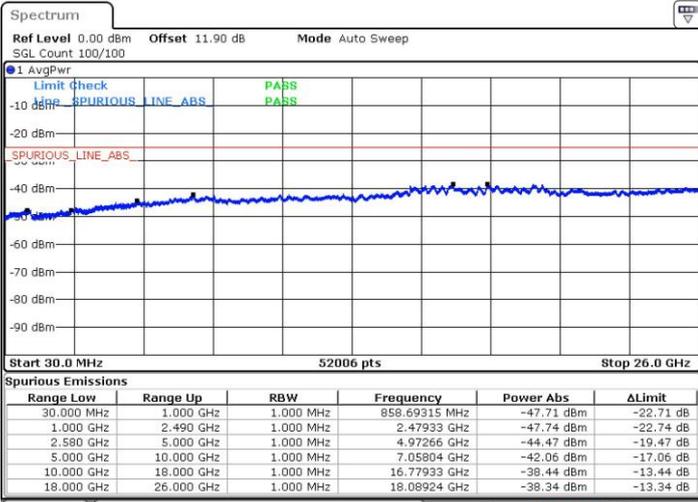
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LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

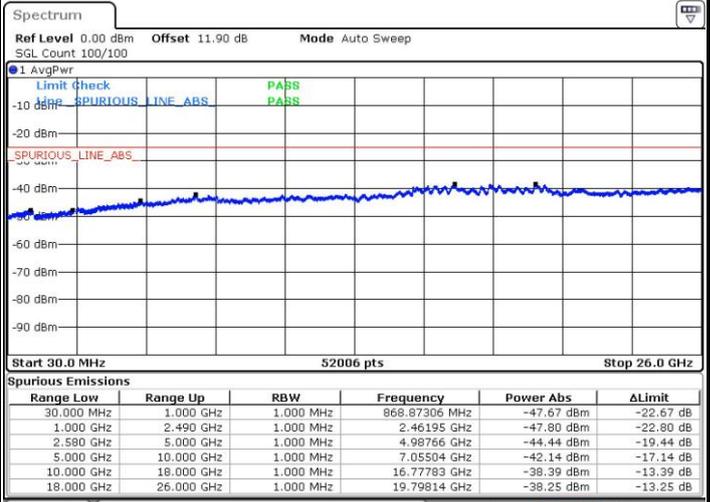
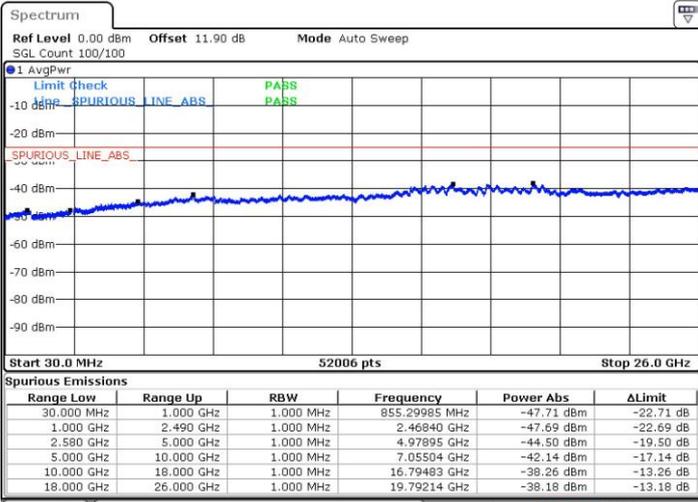


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Date: 5.MAR.2016 16:18:41

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5.MAR.2016 16:24:57

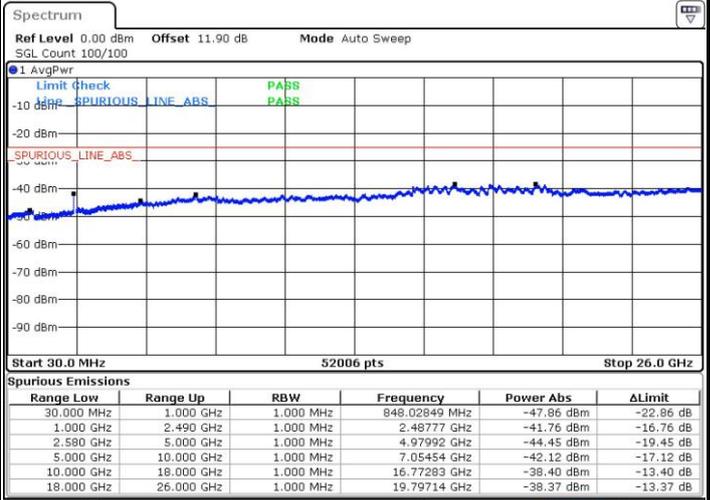
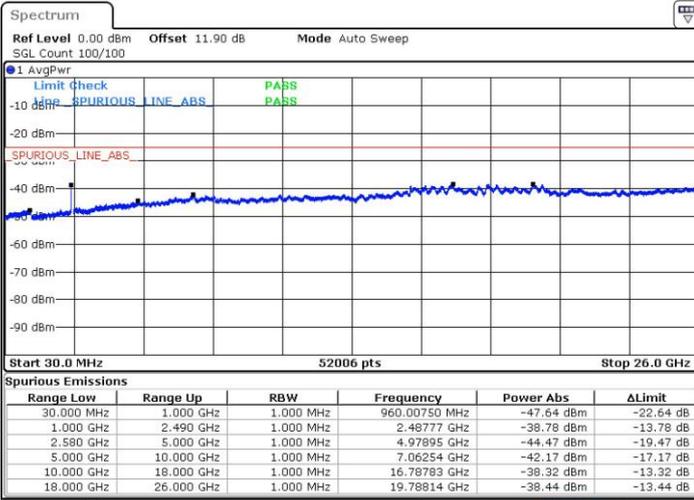
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LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

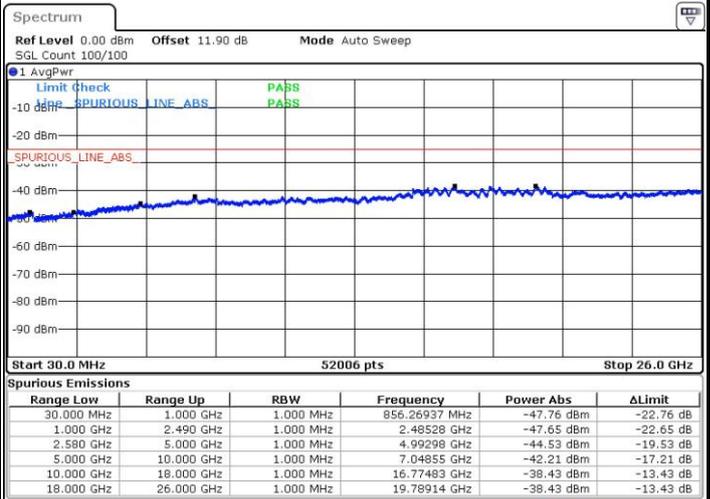
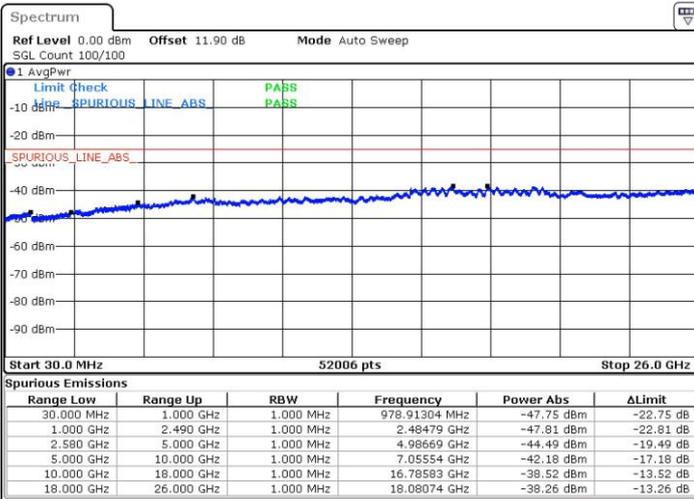


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Date: 5.MAR.2016 16:33:01

Middle Channel / QPSK

Middle Channel / 16QAM



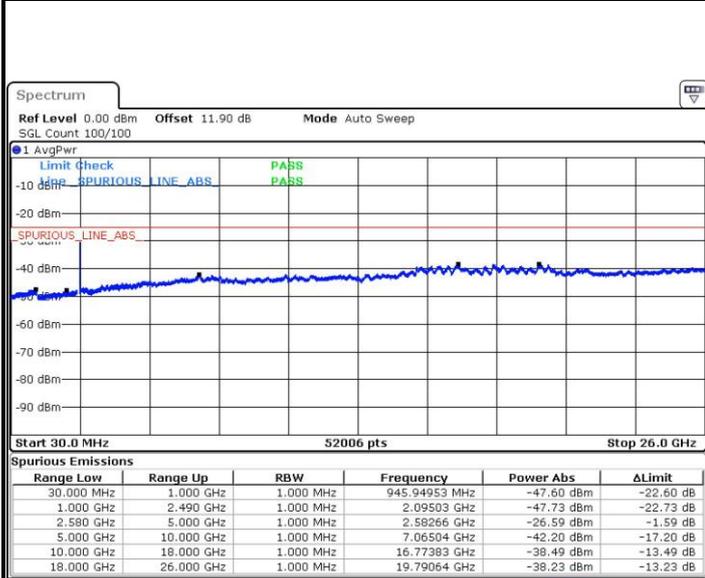
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Date: 5.MAR.2016 16:35:31



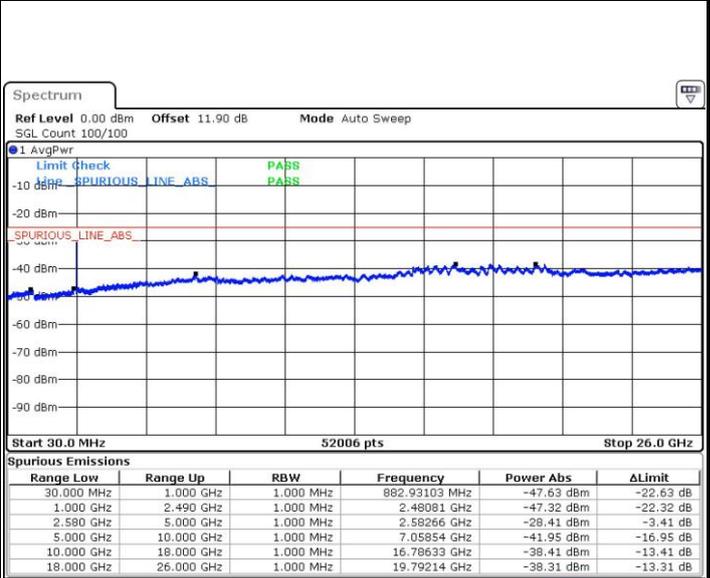
LTE Band 7 / 15MHz

Highest Channel / QPSK



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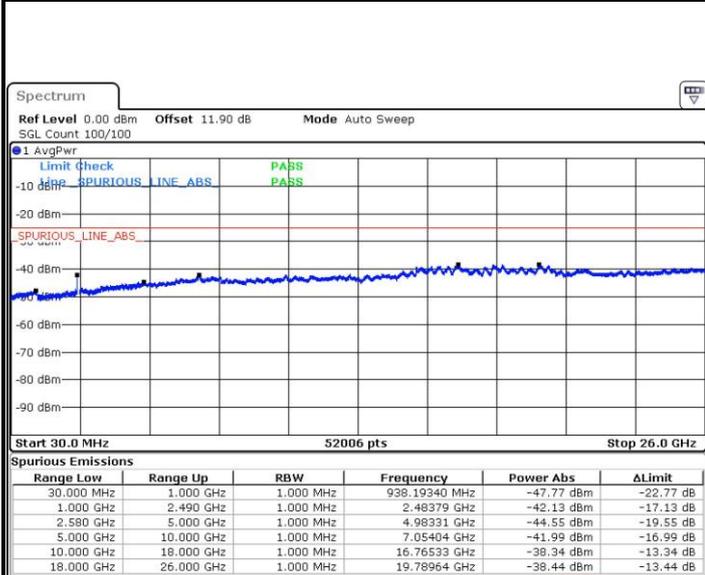
Highest Channel / 16QAM



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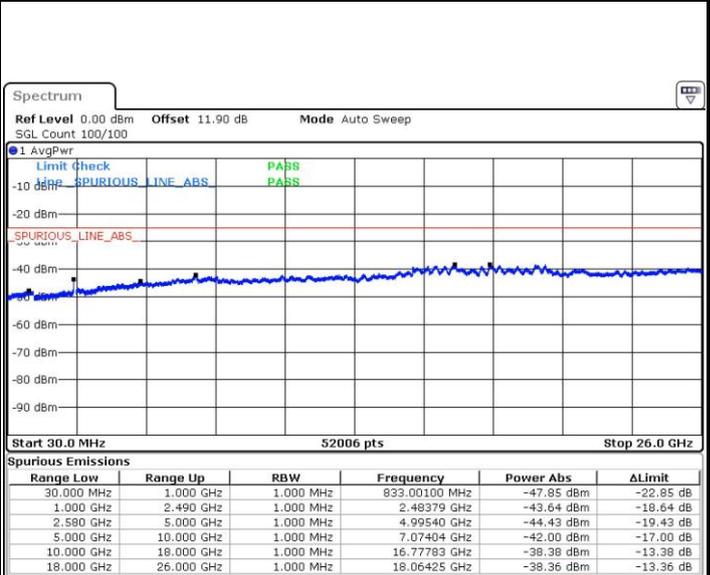
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 5.MAR.2016 16:48:57

Lowest Channel / 16QAM



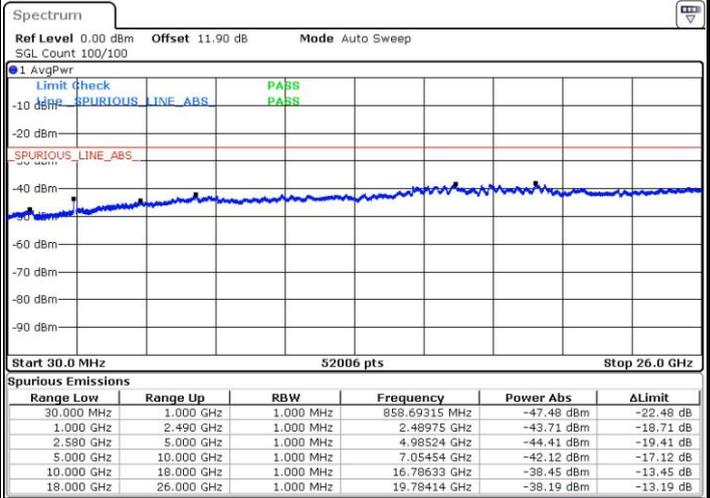
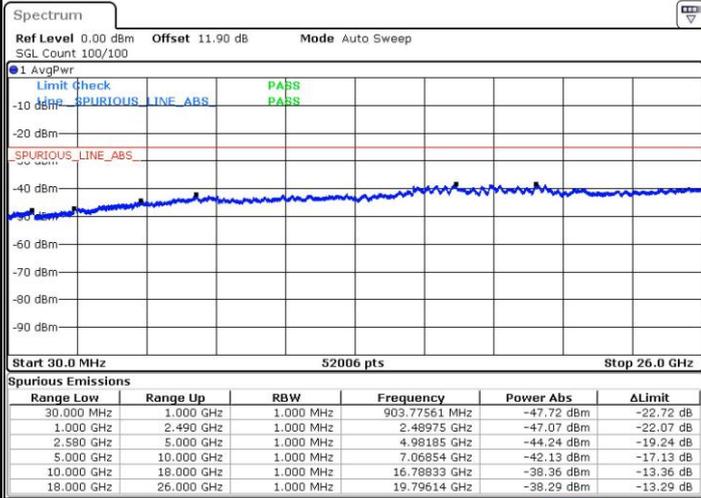
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LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

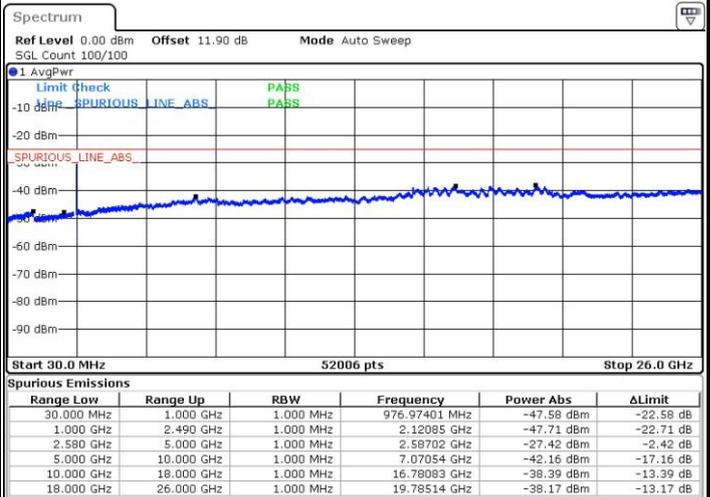
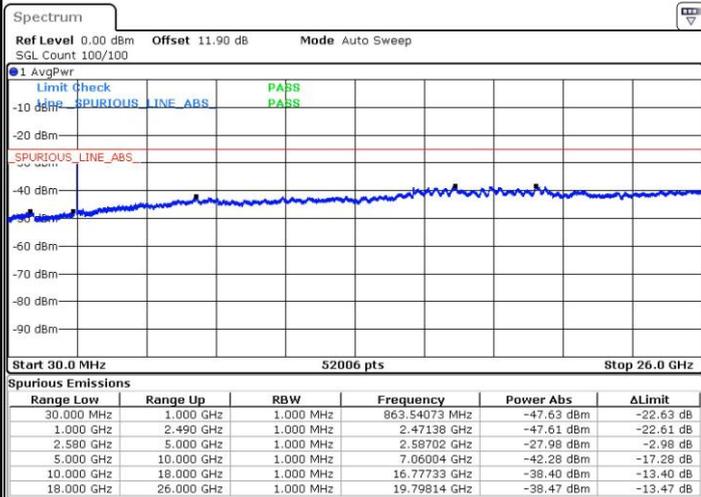


Date: 5.MAR.2016 16:51:27

Date: 5.MAR.2016 16:52:21

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5.MAR.2016 16:58:37

Date: 5.MAR.2016 16:59:31



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0071	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0084	
-30	Normal Voltage	0.0077	
20	Maximum Voltage	0.0084	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0076	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.1 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

ERP/ERIP

LTE Band 2 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.99	0.0793	18.55	0.0716
Middle		1	0	18.64	0.0731	18.22	0.0664
Highest		1	0	18.59	0.0723	18.51	0.0710
Lowest	16QAM	1	0	18.18	0.0658	17.74	0.0594
Middle		1	0	17.76	0.0597	17.24	0.0530
Highest		1	0	17.62	0.0578	17.54	0.0568
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.99	0.0793	18.60	0.0724
Middle		1	0	18.71	0.0743	18.19	0.0659
Highest		1	0	18.64	0.0731	18.79	0.0757
Lowest	16QAM	1	0	18.28	0.0673	17.76	0.0597
Middle		1	0	17.54	0.0568	17.32	0.0540
Highest		1	0	17.61	0.0577	17.76	0.0597
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.10	0.0813	18.73	0.0746
Middle		1	0	18.65	0.0733	18.12	0.0649
Highest		1	0	18.56	0.0718	18.94	0.0783
Lowest	16QAM	1	0	18.29	0.0675	17.86	0.0611
Middle		1	0	17.71	0.0590	17.49	0.0561
Highest		1	0	17.55	0.0569	17.86	0.0611
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.19	0.0830	18.60	0.0724
Middle		1	0	18.63	0.0729	18.13	0.0650
Highest		1	0	18.32	0.0679	18.73	0.0746
Lowest	16QAM	1	0	18.35	0.0684	17.76	0.0597
Middle		1	0	17.84	0.0608	17.28	0.0535
Highest		1	0	17.49	0.0561	17.89	0.0615
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.17	0.0826	18.63	0.0729
Middle		1	0	18.66	0.0735	18.02	0.0634
Highest		1	0	18.72	0.0745	18.82	0.0762
Lowest	16QAM	1	0	18.28	0.0673	17.75	0.0596
Middle		1	0	17.83	0.0607	17.21	0.0526
Highest		1	0	17.92	0.0619	18.03	0.0635
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.24	0.0839	18.74	0.0748
Middle		1	0	18.78	0.0755	18.23	0.0665
Highest		1	0	18.74	0.0748	18.66	0.0735
Lowest	16QAM	1	0	18.27	0.0671	17.95	0.0624
Middle		1	0	17.90	0.0617	17.34	0.0542
Highest		1	0	18.04	0.0637	17.87	0.0612
Limit	EIRP < 2W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	9.15	0.0082	17.69	0.0587
Middle		1	0	10.60	0.0115	18.17	0.0656
Highest		1	0	11.49	0.0141	18.15	0.0653
Lowest	16QAM	1	0	8.26	0.0067	16.80	0.0479
Middle		1	0	9.65	0.0092	17.24	0.0530
Highest		1	0	10.59	0.0115	17.26	0.0532
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	9.23	0.0084	17.77	0.0598
Middle		1	0	10.60	0.0115	18.23	0.0665
Highest		1	0	11.56	0.0143	18.26	0.0670
Lowest	16QAM	1	0	8.29	0.0067	16.84	0.0483
Middle		1	0	9.62	0.0092	17.26	0.0532
Highest		1	0	10.64	0.0116	17.35	0.0543
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	9.39	0.0087	17.91	0.0618
Middle		1	0	10.52	0.0113	18.20	0.0661
Highest		1	0	11.46	0.0140	18.37	0.0687
Lowest	16QAM	1	0	8.44	0.0070	16.96	0.0497
Middle		1	0	9.58	0.0091	17.25	0.0531
Highest		1	0	10.55	0.0114	17.47	0.0558
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	9.20	0.0083	17.78	0.0600
Middle		1	0	10.28	0.0107	18.19	0.0659
Highest		1	0	10.97	0.0125	18.30	0.0676
Lowest	16QAM	1	0	8.25	0.0067	16.84	0.0483
Middle		1	0	9.38	0.0087	17.29	0.0536
Highest		1	0	9.98	0.0100	17.31	0.0538
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.42	0.0439	20.42	0.1102
Middle		1	0	17.04	0.0506	20.53	0.1130
Highest		1	0	18.09	0.0644	20.87	0.1222
Lowest	16QAM	1	0	15.37	0.0344	19.42	0.0875
Middle		1	0	15.99	0.0397	19.47	0.0885
Highest		1	0	17.05	0.0507	19.85	0.0966
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.32	0.0429	20.14	0.1033
Middle		1	0	16.98	0.0499	20.31	0.1074
Highest		1	0	18.14	0.0652	20.81	0.1205
Lowest	16QAM	1	0	15.31	0.0340	19.11	0.0815
Middle		1	0	15.96	0.0394	19.24	0.0839
Highest		1	0	17.12	0.0515	19.80	0.0955
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.18	0.0415	20.15	0.1035
Middle		1	0	16.92	0.0492	20.33	0.1079
Highest		1	0	17.96	0.0625	20.63	0.1156
Lowest	16QAM	1	0	15.16	0.0328	19.12	0.0817
Middle		1	0	15.85	0.0385	19.24	0.0839
Highest		1	0	17.00	0.0501	19.66	0.0925
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.66	0.0463	20.36	0.1086
Middle		1	0	16.91	0.0491	20.23	0.1054
Highest		1	0	17.70	0.0589	20.84	0.1213
Lowest	16QAM	1	0	15.63	0.0366	19.32	0.0855
Middle		1	0	15.83	0.0383	19.15	0.0822
Highest		1	0	16.78	0.0476	19.91	0.0979
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission

LTE Band 2

LTE Band 2 / 1.4MHz / 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	3700	-39.06	-13	-26.06	-27.79	-45.63	1.67	8.24	H
	5548	-39.02	-13	-26.02	-34.62	-46.09	2.65	9.72	H
	7403	-40.01	-13	-27.01	-39.49	-49.16	2.46	11.61	H
	9251	-54.16	-13	-41.16	-54.97	-64.22	2.54	12.60	H
	3700	-36.65	-13	-23.65	-25.71	-43.22	1.67	8.24	V
	5548	-34.24	-13	-21.24	-29.92	-41.31	2.65	9.72	V
	7403	-39.04	-13	-26.04	-39.07	-48.19	2.46	11.61	V
	9251	-52.02	-13	-39.02	-51.83	-62.08	2.54	12.60	V
Middle	3763	-36.39	-13	-23.39	-25.39	-43.02	1.69	8.32	H
	5639	-43.01	-13	-30.01	-38.61	-50.06	2.71	9.76	H
	7522	-40.01	-13	-27.01	-39.82	-49.4	2.42	11.81	H
	9398	-44.14	-13	-31.14	-54.95	-54.11	2.57	12.54	H
	3756	-29.60	-13	-16.60	-18.85	-36.22	1.68	8.31	V
	5639	-38.50	-13	-25.50	-34.2	-45.55	2.71	9.76	V
	7522	-38.02	-13	-25.02	-37.87	-47.41	2.42	11.81	V
	9398	-50.25	-13	-37.25	-50.33	-60.22	2.57	12.54	V
Highest	3819	-43.02	-13	-30.02	-32.15	-49.7	1.70	8.38	H
	5730	-43.18	-13	-30.18	-39.22	-50.21	2.76	9.79	H
	7634	-42.03	-13	-29.03	-41.56	-51.52	2.39	11.88	H
	9545	-47.36	-13	-34.36	-48.05	-57.23	2.60	12.47	H
	3819	-37.69	-13	-24.69	-27.02	-44.37	1.70	8.38	V
	5730	-42.34	-13	-29.34	-38.1	-49.37	2.76	9.79	V
	7634	-38.10	-13	-25.10	-37.53	-47.59	2.39	11.88	V
	9545	-45.08	-13	-32.08	-44.94	-54.95	2.60	12.47	V

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



LTE Band 2 / 3MHz / 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	3700	-38.45	-13	-25.45	-27.23	-45.02	1.67	8.24	H
	5548	-39.01	-13	-26.01	-34.33	-46.08	2.65	9.72	H
	7403	-39.08	-13	-26.08	-38.91	-48.23	2.46	11.61	H
	9251	-53.17	-13	-40.17	-53.71	-63.23	2.54	12.60	H
	3700	-36.01	-13	-23.01	-25.02	-42.58	1.67	8.24	V
	5548	-35.14	-13	-22.14	-30.44	-42.21	2.65	9.72	V
	7403	-38.46	-13	-25.46	-38.43	-47.61	2.46	11.61	V
	9251	-50.32	-13	-37.32	-50.57	-60.38	2.54	12.60	V
Middle	3756	-36.07	-13	-23.07	-24.94	-42.69	1.68	8.31	H
	5639	-44.14	-13	-31.14	-40.03	-51.19	2.71	9.76	H
	7515	-42.95	-13	-29.95	-42.4	-52.33	2.42	11.81	H
	9391	-53.24	-13	-40.24	-54.01	-63.22	2.57	12.54	H
	3756	-28.60	-13	-15.60	-17.68	-35.22	1.68	8.31	V
	5639	-36.97	-13	-23.97	-32.33	-44.02	2.71	9.76	V
	7515	-37.13	-13	-24.13	-37.04	-46.51	2.42	11.81	V
	9391	-50.04	-13	-37.04	-49.84	-60.02	2.57	12.54	V
Highest	3812	-39.50	-13	-26.50	-28.55	-46.17	1.70	8.37	H
	5723	-45.14	-13	-32.14	-41.02	-52.18	2.75	9.79	H
	7627	-43.01	-13	-30.01	-42.44	-52.5	2.39	11.88	H
	9538	-53.38	-13	-40.38	-54.06	-63.26	2.60	12.48	H
	3812	-37.03	-13	-24.03	-26.19	-43.7	1.70	8.37	V
	5723	-41.33	-13	-28.33	-37.64	-48.37	2.75	9.79	V
	7627	-38.88	-13	-25.88	-38.44	-48.37	2.39	11.88	V
	9538	-51.29	-13	-38.29	-51.16	-61.17	2.60	12.48	V

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



LTE Band 2 / 5MHz / 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	3700	-35.45	-13	-22.45	-24.19	-42.02	1.67	8.24	H
	5548	-42.04	-13	-29.04	-37.67	-49.11	2.65	9.72	H
	7403	-41.18	-13	-28.18	-40.88	-50.33	2.46	11.61	H
	9251	-53.82	-13	-40.82	-54.25	-63.88	2.54	12.60	H
	3700	-35.45	-13	-22.45	-24.3	-42.02	1.67	8.24	V
	5548	-38.48	-13	-25.48	-33.81	-45.55	2.65	9.72	V
	7403	-37.04	-13	-24.04	-36.59	-46.19	2.46	11.61	V
	9251	-52.12	-13	-39.12	-52.22	-62.18	2.54	12.60	V
Middle	3756	-33.41	-13	-20.41	-22.35	-40.03	1.68	8.31	H
	5632	-43.04	-13	-30.04	-38.89	-50.09	2.70	9.75	H
	7515	-43.17	-13	-30.17	-42.63	-52.55	2.42	11.81	H
	9391	-54.13	-13	-41.13	-55.11	-64.11	2.57	12.54	H
	3756	-27.26	-13	-14.26	-16.23	-33.88	1.68	8.31	V
	5632	-33.38	-13	-20.38	-29.16	-40.43	2.70	9.75	V
	7515	-37.64	-13	-24.64	-37.38	-47.02	2.42	11.81	V
	9391	-50.24	-13	-37.24	-50.43	-60.22	2.57	12.54	V
Highest	3812	-39.03	-13	-26.03	-28.19	-45.7	1.70	8.37	H
	5716	-44.77	-13	-31.77	-40.81	-51.81	2.75	9.79	H
	7620	-44.33	-13	-31.33	-43.96	-53.81	2.39	11.87	H
	9524	-55.28	-13	-42.28	-55.81	-65.17	2.59	12.49	H
	3812	-51.01	-13	-38.01	-40.02	-57.68	1.70	8.37	V
	5716	-52.33	-13	-39.33	-48.37	-59.37	2.75	9.79	V
	7620	-46.06	-13	-33.06	-45.69	-55.54	2.39	11.87	V

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



LTE Band 2 / 10MHz / 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	3700	-35.60	-13	-22.60	-24.32	-42.17	1.67	8.24	H
	5555	-41.35	-13	-28.35	-37.06	-48.42	2.66	9.72	H
	7403	-41.06	-13	-28.06	-40.92	-50.21	2.46	11.61	H
	9251	-54.05	-13	-41.05	-54.09	-64.11	2.54	12.60	H
	3700	-34.45	-13	-21.45	-23.35	-41.02	1.67	8.24	V
	5555	-36.48	-13	-23.48	-31.96	-43.55	2.66	9.72	V
	7403	-39.01	-13	-26.01	-38.61	-48.16	2.46	11.61	V
	9251	-49.27	-13	-36.27	-49.39	-59.33	2.54	12.60	V
Middle	3749	-35.04	-13	-22.04	-23.79	-41.66	1.68	8.30	H
	5625	-44.01	-13	-31.01	-39.59	-51.06	2.70	9.75	H
	7501	-43.74	-13	-30.74	-43.32	-53.11	2.43	11.80	H
	9377	-55.04	-13	-42.04	-55.42	-65.03	2.56	12.55	H
	3749	-31.40	-13	-18.40	-20.44	-38.02	1.68	8.30	V
	5625	-42.02	-13	-29.02	-37.6	-49.07	2.70	9.75	V
	7501	-38.18	-13	-25.18	-37.93	-47.55	2.43	11.80	V
	9377	-51.10	-13	-38.10	-51.57	-61.09	2.56	12.55	V
Highest	3805	-37.03	-13	-24.03	-26.1	-43.7	1.70	8.37	H
	5702	-41.13	-13	-28.13	-37.23	-48.17	2.74	9.78	H
	7606	-43.01	-13	-30.01	-42.56	-52.48	2.40	11.86	H
	9503	-56.01	-13	-43.01	-56.3	-65.92	2.59	12.50	H
	3805	-35.50	-13	-22.50	-24.62	-42.17	1.70	8.37	V
	5702	-43.44	-13	-30.44	-39.57	-50.48	2.74	9.78	V
	7606	-41.03	-13	-28.03	-40.43	-50.5	2.40	11.86	V
	9503	-55.05	-13	-42.05	-54.78	-64.96	2.59	12.50	V

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



LTE Band 2 / 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	3700	-34.49	-13	-21.49	-23.44	-41.06	1.67	8.24	H
	5555	-41.11	-13	-28.11	-36.78	-48.18	2.66	9.72	H
	7403	-41.07	-13	-28.07	-41	-50.22	2.46	11.61	H
	9258	-54.09	-13	-41.09	-54.7	-64.15	2.54	12.60	H
	3700	-34.54	-13	-21.54	-23.32	-41.11	1.67	8.24	V
	5555	-38.52	-13	-25.52	-33.71	-45.59	2.66	9.72	V
	7403	-38.71	-13	-25.71	-38.15	-47.86	2.46	11.61	V
	9258	-48.60	-13	-35.60	-48.54	-58.66	2.54	12.60	V
Middle	3749	-34.60	-13	-21.60	-23.62	-41.22	1.68	8.30	H
	5618	-47.06	-13	-34.06	-43.01	-54.11	2.69	9.75	H
	7494	-44.03	-13	-31.03	-43.58	-53.39	2.43	11.79	H
	9370	-54.04	-13	-41.04	-54.61	-64.03	2.56	12.55	H
	3749	-30.40	-13	-17.40	-19.31	-37.02	1.68	8.30	V
	5618	-42.03	-13	-29.03	-37.75	-49.08	2.69	9.75	V
	7494	-40.01	-13	-27.01	-39.79	-49.37	2.43	11.79	V
	9370	-49.12	-13	-36.12	-48.93	-59.11	2.56	12.55	V
Highest	3791	-37.88	-13	-24.88	-26.79	-44.53	1.70	8.35	H
	5688	-42.51	-13	-29.51	-38.29	-49.55	2.73	9.78	H
	7585	-41.27	-13	-28.27	-40.6	-50.72	2.40	11.85	H
	9482	-53.69	-13	-40.69	-53.93	-63.61	2.59	12.51	H
	3791	-47.70	-13	-34.70	-36.65	-54.35	1.70	8.35	V
	5688	-40.74	-13	-27.74	-36.36	-47.78	2.73	9.78	V
	7585	-39.98	-13	-26.98	-39.36	-49.43	2.40	11.85	V
	9482	-54.88	-13	-41.88	-54.48	-64.8	2.59	12.51	V

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



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	3700	-43.46	-13	-30.46	-32.06	-50.03	1.67	8.24	H
	5555	-42.75	-13	-29.75	-38.04	-49.82	2.66	9.72	H
	7403	-42.51	-13	-29.51	-42	-51.66	2.46	11.61	H
	9258	-54.63	-13	-41.63	-55.05	-64.69	2.54	12.60	H
	3700	-52.02	-13	-39.02	-40.94	-58.59	1.67	8.24	V
	5555	-39.48	-13	-26.48	-34.56	-46.55	2.66	9.72	V
	7403	-41.70	-13	-28.70	-41.2	-50.85	2.46	11.61	V
	9258	-52.55	-13	-39.55	-52.23	-62.61	2.54	12.60	V
Middle	3742	-41.28	-13	-28.28	-29.95	-47.89	1.68	8.29	H
	5611	-48.06	-13	-35.06	-43.51	-55.12	2.69	9.74	H
	7487	-44.66	-13	-31.66	-44.04	-54	2.43	11.77	H
	9356	-55.99	-13	-42.99	-56.3	-65.99	2.56	12.56	H
	3742	-45.57	-13	-32.57	-34.45	-52.18	1.68	8.29	V
	5611	-45.88	-13	-32.88	-41.13	-52.94	2.69	9.74	V
	7487	-40.14	-13	-27.14	-39.67	-49.48	2.43	11.77	V
	9356	-54.81	-13	-41.81	-54.49	-64.81	2.56	12.56	V
Highest	3784	-39.49	-13	-26.49	-28.33	-46.14	1.69	8.34	H
	5674	-42.05	-13	-29.05	-37.76	-49.09	2.73	9.77	H
	7564	-40.77	-13	-27.77	-40.12	-50.2	2.41	11.84	H
	9454	-54.19	-13	-41.19	-54.42	-64.13	2.58	12.52	H
	3784	-48.21	-13	-35.21	-37.17	-54.86	1.69	8.34	V
	5674	-39.29	-13	-26.29	-34.79	-46.33	2.73	9.77	V
	7564	-38.27	-13	-25.27	-37.68	-47.7	2.41	11.84	V
	9454	-52.63	-13	-39.63	-52.25	-62.57	2.58	12.52	V

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



LTE Band 5

LTE Band 5 / 1.4MHz / 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	-65.37	-13	-52.37	-47.77	-67.13	0.98	4.89	H
	2472	-60.34	-13	-47.34	-46.59	-62.22	1.28	5.32	H
	3296	-66.14	-13	-53.14	-54.29	-69.55	1.54	7.10	H
	1648	-61.26	-13	-48.26	-43.47	-63.02	0.98	4.89	V
	2472	-60.36	-13	-47.36	-46.56	-62.24	1.28	5.32	V
	3296	-66.17	-13	-53.17	-54.09	-69.58	1.54	7.10	V
Middle	1672	-63.10	-13	-50.10	-45.35	-64.78	0.99	4.82	H
	2512	-60.36	-13	-47.36	-46.67	-62.33	1.29	5.41	H
	3344	-66.06	-13	-53.06	-53.99	-69.67	1.56	7.31	H
	1672	-60.34	-13	-47.34	-42.49	-62.02	0.99	4.82	V
	2512	-60.14	-13	-47.14	-46.31	-62.11	1.29	5.41	V
	3344	-66.27	-13	-53.27	-54.34	-69.88	1.56	7.31	V
Highest	1696	-63.50	-13	-50.50	-45.93	-65.1	1.00	4.75	H
	2544	-59.57	-13	-46.57	-46.07	-61.55	1.30	5.44	H
	3392	-65.26	-13	-52.26	-53.39	-69.06	1.57	7.52	H
	1696	-62.04	-13	-49.04	-44.35	-63.64	1.00	4.75	V
	2544	-58.13	-13	-45.13	-44.58	-60.11	1.30	5.44	V
	3392	-63.25	-13	-50.25	-51.65	-67.05	1.57	7.52	V

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



LTE Band 5 / 3MHz / 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	-64.79	-13	-51.79	-47.09	-66.55	0.98	4.89	H
	2472	-61.34	-13	-48.34	-47.62	-63.22	1.28	5.32	H
	3296	-65.70	-13	-52.70	-53.81	-69.11	1.54	7.10	H
	1648	-62.35	-13	-49.35	-44.49	-64.11	0.98	4.89	V
	2472	-60.14	-13	-47.14	-46.17	-62.02	1.28	5.32	V
	3296	-65.60	-13	-52.60	-53.5	-69.01	1.54	7.10	V
Middle	1672	-62.38	-13	-49.38	-44.55	-64.06	0.99	4.82	H
	2504	-60.69	-13	-47.69	-46.6	-62.65	1.29	5.40	H
	3344	-67.46	-13	-54.46	-55.38	-71.07	1.56	7.31	H
	1672	-60.73	-13	-47.73	-42.82	-62.41	0.99	4.82	V
	2504	-60.39	-13	-47.39	-46.34	-62.35	1.29	5.40	V
	3344	-67.21	-13	-54.21	-55.06	-70.82	1.56	7.31	V
Highest	1696	-61.42	-13	-48.42	-43.95	-63.02	1.00	4.75	H
	2536	-59.15	-13	-46.15	-45.57	-61.13	1.30	5.43	H
	3384	-67.56	-13	-54.56	-55.76	-71.33	1.57	7.49	H
	1696	-58.62	-13	-45.62	-41.22	-60.22	1.00	4.75	V
	2536	-58.24	-13	-45.24	-44.59	-60.22	1.30	5.43	V
	3384	-64.61	-13	-51.61	-53.16	-68.38	1.57	7.49	V

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



LTE Band 5 / 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	1648	-64.50	-13	-51.50	-46.66	-66.26	0.98	4.89	H
	2472	-60.76	-13	-47.76	-46.69	-62.64	1.28	5.32	H
	3296	-66.64	-13	-53.64	-54.52	-70.05	1.54	7.10	H
	1648	-62.28	-13	-49.28	-44.3	-64.04	0.98	4.89	V
	2472	-59.65	-13	-46.65	-45.52	-61.53	1.28	5.32	V
	3296	-65.70	-13	-52.70	-53.63	-69.11	1.54	7.10	V
Middle	1672	-61.15	-13	-48.15	-43.41	-62.83	0.99	4.82	H
	2504	-61.27	-13	-48.27	-47.18	-63.23	1.29	5.40	H
	3344	-68.36	-13	-55.36	-56.19	-71.97	1.56	7.31	H
	1672	-59.14	-13	-46.14	-41.25	-60.82	0.99	4.82	V
	2504	-60.51	-13	-47.51	-46.46	-62.47	1.29	5.40	V
	3344	-68.54	-13	-55.54	-56.5	-72.15	1.56	7.31	V
Highest	1688	-58.89	-13	-45.89	-40.98	-60.52	1.00	4.77	H
	2536	-59.61	-13	-46.61	-45.66	-61.59	1.30	5.43	H
	3376	-66.52	-13	-53.52	-54.48	-70.26	1.57	7.45	H
	1688	-56.74	-13	-43.74	-39.02	-58.37	1.00	4.77	V
	2536	-58.32	-13	-45.32	-44.38	-60.3	1.30	5.43	V
	3376	-66.38	-13	-53.38	-54.43	-70.12	1.57	7.45	V

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



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	-63.78	-13	-50.78	-46.02	-65.54	0.98	4.89	H
	2472	-60.61	-13	-47.61	-46.48	-62.49	1.28	5.32	H
	3296	-66.45	-13	-53.45	-54.26	-69.86	1.54	7.10	H
	1648	-62.34	-13	-49.34	-44.36	-64.1	0.98	4.89	V
	2472	-59.48	-13	-46.48	-45.29	-61.36	1.28	5.32	V
	3296	-65.59	-13	-52.59	-53.35	-69	1.54	7.10	V
Middle	1664	-57.42	-13	-44.42	-39.56	-59.13	0.98	4.84	H
	2496	-65.03	-13	-52.03	-51.01	-66.98	1.29	5.39	H
	3328	-68.64	-13	-55.64	-56.31	-72.18	1.55	7.24	H
	1664	-55.70	-13	-42.70	-37.9	-57.41	0.98	4.84	V
	2496	-62.05	-13	-49.05	-48.04	-64	1.29	5.39	V
	3328	-68.00	-13	-55.00	-56.04	-71.54	1.55	7.24	V
Highest	1680	-63.23	-13	-50.23	-45.44	-64.88	0.99	4.80	H
	2520	-60.95	-13	-47.95	-46.93	-62.92	1.30	5.42	H
	3360	-65.09	-13	-52.09	-52.93	-68.76	1.56	7.38	H
	1680	-62.46	-13	-49.46	-44.61	-64.11	0.99	4.80	V
	2520	-59.72	-13	-46.72	-45.72	-61.69	1.30	5.42	V
	3360	-66.22	-13	-53.22	-54	-69.89	1.56	7.38	V

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



LTE Band 7

LTE Band 7 / 5MHz / 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	5002	-45.76	-25	-20.76	-39.3	-53.12	2.34	9.70	H
	7501	-28.09	-25	-3.09	-27.37	-37.46	2.43	11.80	H
	10000	-51.28	-25	-26.28	-52.84	-60.78	2.70	12.20	H
	12498.5	-47.53	-25	-22.53	-53.21	-57.13	2.80	12.40	H
	5002	-50.75	-25	-25.75	-44.53	-58.11	2.34	9.70	V
	7501	-36.68	-25	-11.68	-36.43	-46.05	2.43	11.80	V
	10000	-52.35	-25	-27.35	-53.54	-61.85	2.70	12.20	V
	12498.5	-51.51	-25	-26.51	-57.39	-61.11	2.80	12.40	V
Middle	5065	-48.69	-25	-23.69	-42.41	-56.02	2.37	9.70	H
	7599	-35.65	-25	-10.65	-35.11	-45.11	2.40	11.86	H
	10133	-52.33	-25	-27.33	-54.23	-61.89	2.70	12.25	H
	12669	-47.37	-25	-22.37	-53.55	-57.13	2.85	12.60	H
	5065	-49.77	-25	-24.77	-43.66	-57.1	2.37	9.70	V
	7599	-44.05	-25	-19.05	-43.52	-53.51	2.40	11.86	V
	10133	-52.91	-25	-27.91	-54.17	-62.47	2.70	12.25	V
	12669	-51.26	-25	-26.26	-57.77	-61.02	2.85	12.60	V
Highest	5128	-45.02	-25	-20.02	-38.91	-52.31	2.41	9.70	H
	7697	-34.01	-25	-9.01	-33.31	-43.56	2.37	11.92	H
	10266	-50.01	-25	-25.01	-52.14	-59.62	2.69	12.31	H
	12831	-47.97	-25	-22.97	-54.65	-57.88	2.89	12.80	H
	5128	-57.09	-25	-32.09	-51.35	-64.38	2.41	9.70	V
	7697	-47.02	-25	-22.02	-46.47	-56.57	2.37	11.92	V
	10266	-50.42	-25	-25.42	-52.05	-60.03	2.69	12.31	V
	12831	-51.20	-25	-26.20	-58.71	-61.11	2.89	12.80	V

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



LTE Band 7 / 10MHz / 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	5004	-45.28	-25	-20.28	-38.6	-52.64	2.34	9.70	H
	7500	-30.64	-25	-5.64	-30	-40.01	2.43	11.80	H
	10008	-50.72	-25	-25.72	-52.28	-60.23	2.70	12.20	H
	12504	-46.78	-25	-21.78	-52.19	-56.38	2.81	12.40	H
	5004	-51.01	-25	-26.01	-44.64	-58.37	2.34	9.70	V
	7500	-39.63	-25	-14.63	-39.1	-49	2.43	11.80	V
	10008	-52.08	-25	-27.08	-52.97	-61.59	2.70	12.20	V
	12504	-50.92	-25	-25.92	-56.59	-60.52	2.81	12.40	V
Middle	5064	-44.45	-25	-19.45	-37.97	-51.78	2.37	9.70	H
	7596	-36.23	-25	-11.23	-35.57	-45.69	2.40	11.86	H
	10128	-49.95	-25	-24.95	-51.68	-59.51	2.70	12.25	H
	12648	-46.76	-25	-21.76	-52.56	-56.5	2.84	12.58	H
	5064	-48.23	-25	-23.23	-42	-55.56	2.37	9.70	V
	7596	-42.75	-25	-17.75	-42.18	-52.21	2.40	11.86	V
	10128	-51.32	-25	-26.32	-52.34	-60.88	2.70	12.25	V
	12648	-50.31	-25	-25.31	-56.5	-60.05	2.84	12.58	V
Highest	5124	-44.37	-25	-19.37	-38.1	-51.66	2.41	9.70	H
	7680	-37.74	-25	-12.74	-36.95	-47.28	2.37	11.91	H
	10248	-50.27	-25	-25.27	-52.33	-59.87	2.69	12.30	H
	12804	-48.62	-25	-23.62	-55.15	-58.5	2.88	12.76	H
	5124	-42.77	-25	-17.77	-36.71	-50.06	2.41	9.70	V
	7680	-46.02	-25	-21.02	-45.35	-55.56	2.37	11.91	V
	10248	-50.80	-25	-25.80	-52.12	-60.4	2.69	12.30	V
	12804	-49.44	-25	-24.44	-56.24	-59.32	2.88	12.76	V

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



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	5002	-47.28	-25	-22.28	-40.71	-54.64	2.34	9.70	H
	7501	-28.25	-25	-3.25	-27.75	-37.62	2.43	11.80	H
	10000	-52.05	-25	-27.05	-53.5	-61.55	2.70	12.20	H
	12508	-46.01	-25	-21.01	-51.5	-55.61	2.81	12.41	H
	5002	-51.02	-25	-26.02	-44.93	-58.38	2.34	9.70	V
	7501	-41.65	-25	-16.65	-41.46	-51.02	2.43	11.80	V
	10000	-51.57	-25	-26.57	-52.61	-61.07	2.70	12.20	V
	12508	-50.73	-25	-25.73	-56.52	-60.33	2.81	12.41	V
Middle	5058	-46.44	-25	-21.44	-40.07	-53.77	2.37	9.70	H
	7585	-33.16	-25	-8.16	-32.56	-42.61	2.40	11.85	H
	10114	-50.91	-25	-25.91	-52.79	-60.46	2.70	12.25	H
	12641	-46.60	-25	-21.60	-52.84	-56.33	2.84	12.57	H
	5058	-47.18	-25	-22.18	-40.93	-54.51	2.37	9.70	V
	7585	-42.57	-25	-17.57	-42.11	-52.02	2.40	11.85	V
	10114	-51.47	-25	-26.47	-53	-61.02	2.70	12.25	V
	12641	-50.49	-25	-25.49	-57.12	-60.22	2.84	12.57	V
Highest	5114	-40.01	-25	-15.01	-33.85	-47.31	2.40	9.70	H
	7669	-31.90	-25	-6.90	-31.29	-41.43	2.37	11.90	H
	10228	-49.99	-25	-24.99	-52.35	-59.59	2.69	12.29	H
	12783	-47.97	-25	-22.97	-54.44	-57.83	2.88	12.74	H
	5114	-48.72	-25	-23.72	-42.75	-56.02	2.40	9.70	V
	7669	-44.54	-25	-19.54	-43.91	-54.07	2.37	11.90	V
	10228	-48.60	-25	-23.60	-49.9	-58.2	2.69	12.29	V
	12783	-51.01	-25	-26.01	-57.77	-60.87	2.88	12.74	V

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



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	5002	-45.19	-25	-20.19	-38.5	-52.55	2.34	9.70	H
	7501	-28.11	-25	-3.11	-27.42	-37.48	2.43	11.80	H
	10009.5	-53.20	-25	-28.20	-54.76	-62.71	2.70	12.20	H
	12508	-46.04	-25	-21.04	-51.47	-55.64	2.81	12.41	H
	5002	-49.92	-25	-24.92	-43.56	-57.28	2.34	9.70	V
	7501	-38.96	-25	-13.96	-38.79	-48.33	2.43	11.80	V
	10009.5	-51.04	-25	-26.04	-52.04	-60.55	2.70	12.20	V
	12508	-50.62	-25	-25.62	-56.51	-60.22	2.81	12.41	V
Middle	5051	-46.44	-25	-21.44	-39.97	-53.77	2.37	9.70	H
	7578	-33.66	-25	-8.66	-33.16	-43.1	2.40	11.85	H
	10104	-48.11	-25	-23.11	-50.11	-57.66	2.70	12.24	H
	12631	-45.61	-25	-20.61	-51.8	-55.33	2.84	12.56	H
	5051	-49.22	-25	-24.22	-43.16	-56.55	2.37	9.70	V
	7578	-43.89	-25	-18.89	-43.35	-53.33	2.40	11.85	V
	10104	-48.89	-25	-23.89	-50.15	-58.44	2.70	12.24	V
	12631	-49.39	-25	-24.39	-55.64	-59.11	2.84	12.56	V
Highest	5100	-38.80	-25	-13.80	-32.75	-46.11	2.39	9.70	H
	7655	-30.04	-25	-5.04	-29.59	-39.55	2.38	11.89	H
	10209	-48.74	-25	-23.74	-51.22	-58.33	2.70	12.28	H
	12755	-48.38	-25	-23.38	-55.02	-58.22	2.87	12.71	H
	5100	-49.71	-25	-24.71	-43.73	-57.02	2.39	9.70	V
	7655	-42.52	-25	-17.52	-41.92	-52.03	2.38	11.89	V
	10209	-49.01	-25	-24.01	-50.31	-58.6	2.70	12.28	V
	12755	-50.04	-25	-25.04	-56.88	-59.88	2.87	12.71	V

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