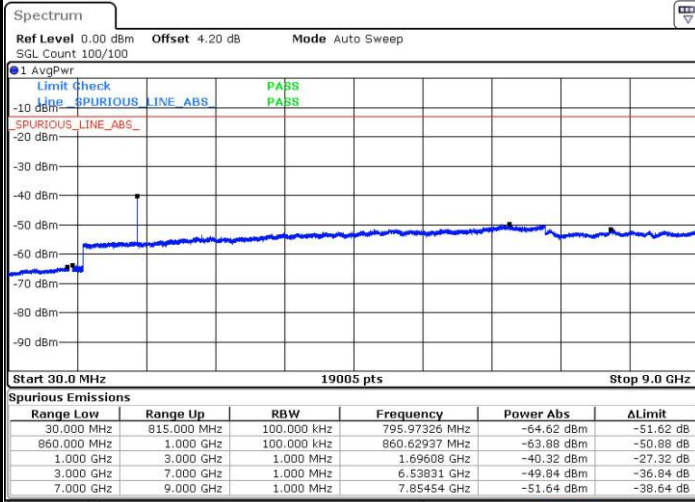




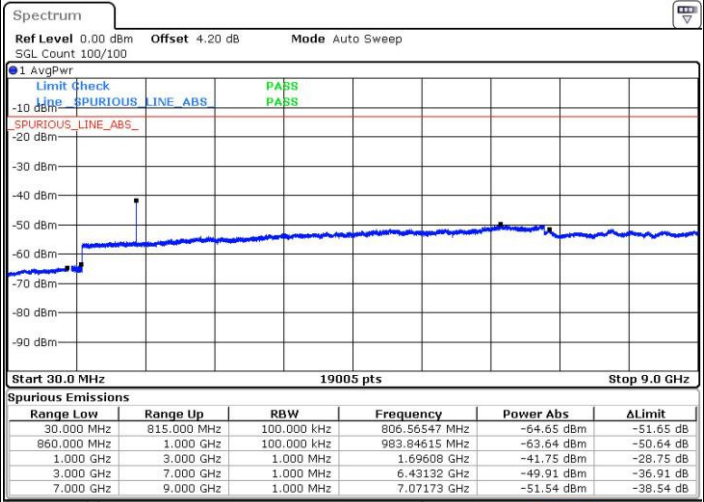
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 14 JUL 2016 22:36:41

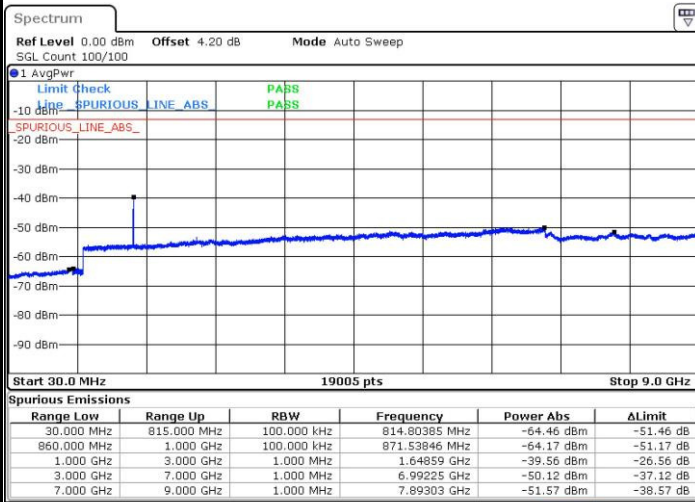
Highest Channel / 16QAM



Date: 14 JUL 2016 22:37:36

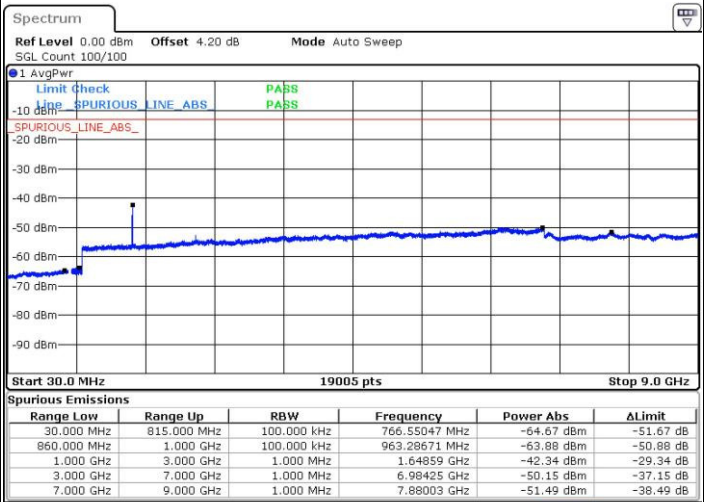
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 14 JUL 2016 22:51:45

Lowest Channel / 16QAM



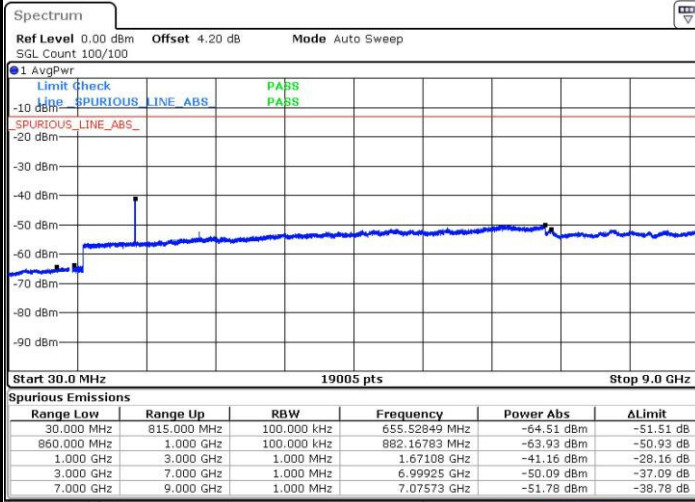
Date: 14 JUL 2016 22:52:40



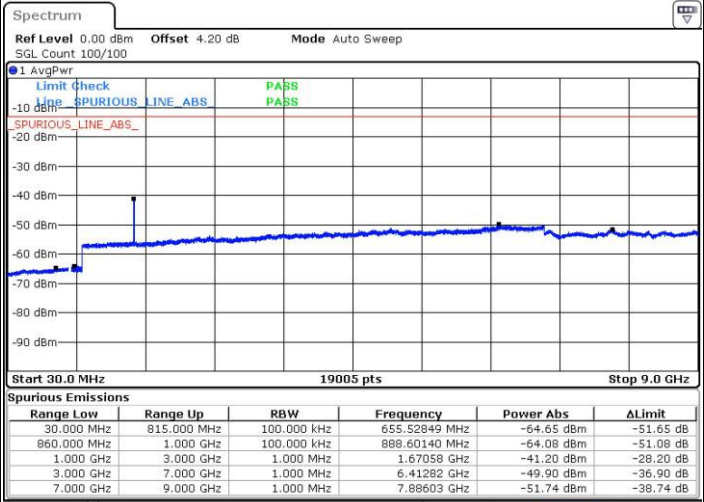
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



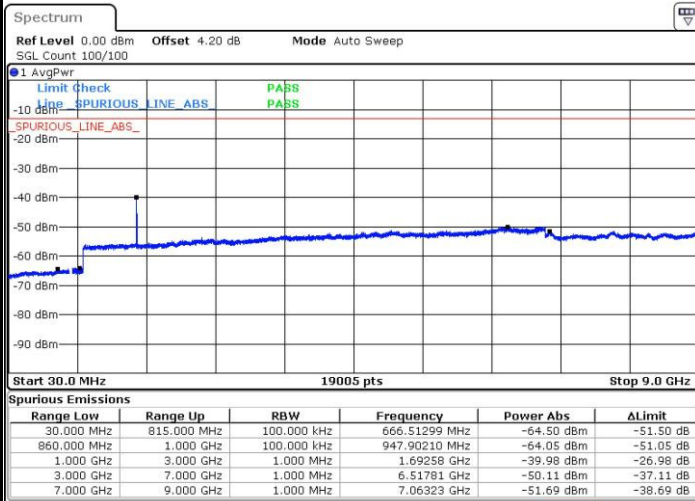
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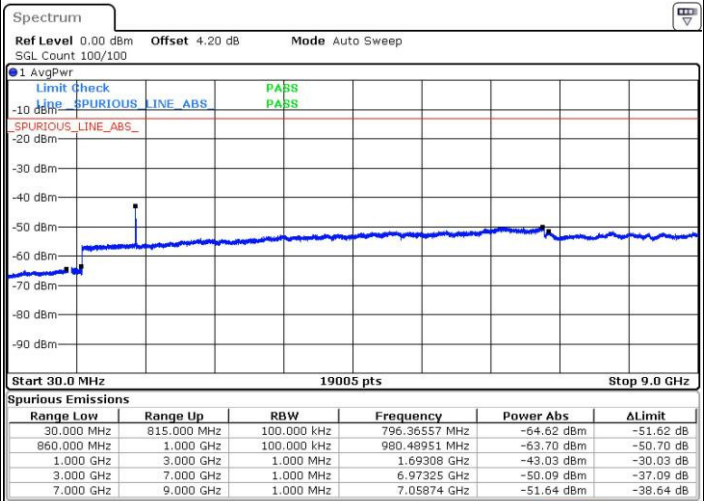
Date: 14 JUL 2016 22:55:12

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14 JUL 2016 23:09:21

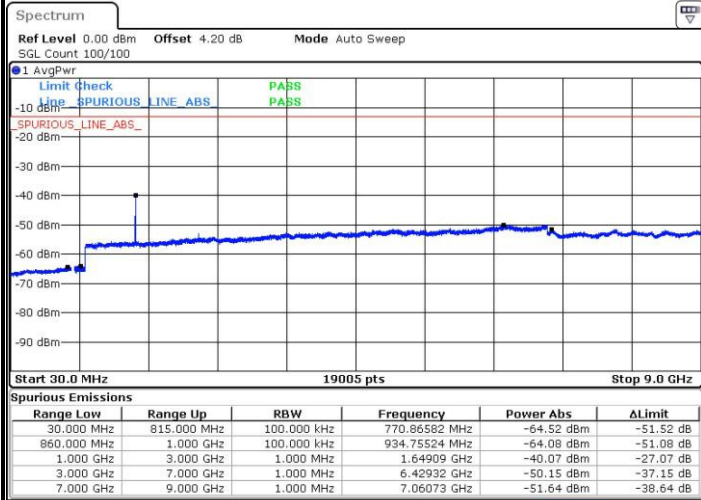


Date: 14 JUL 2016 23:10:16



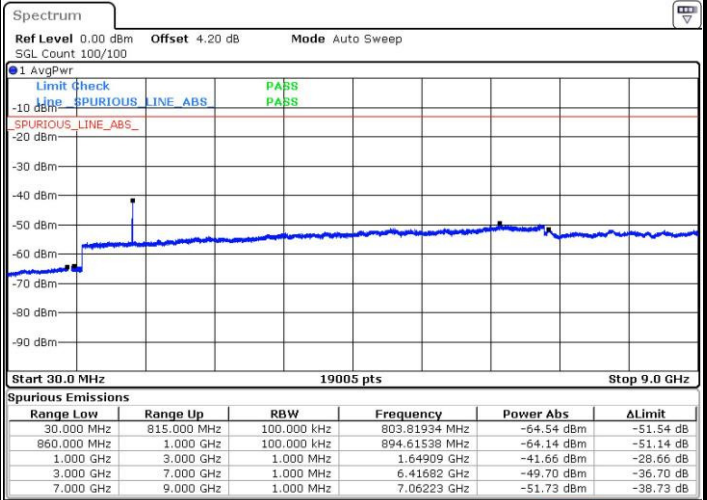
LTE Band 5 / 5MHz

Lowest Channel / QPSK



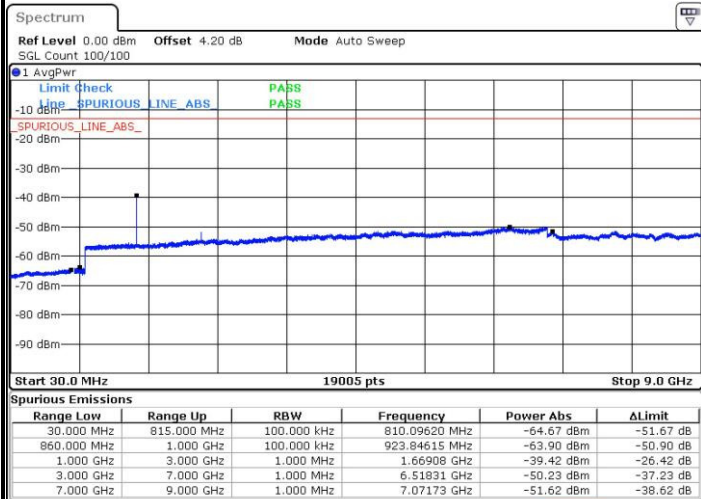
Date: 14.JUL.2016 23:24:24

Lowest Channel / 16QAM



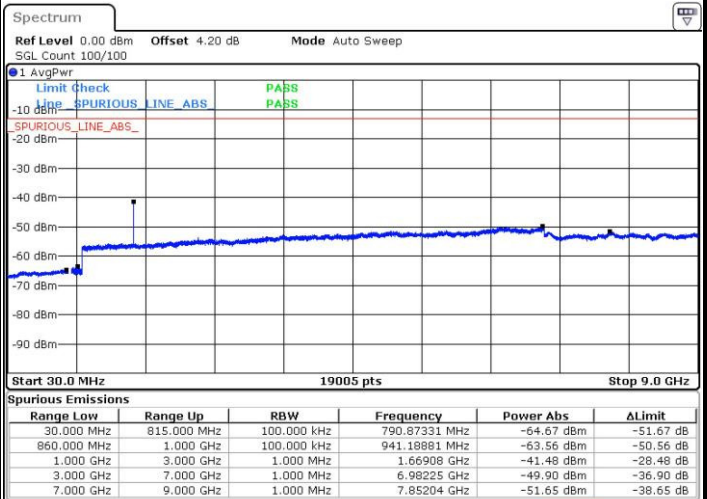
Date: 14.JUL.2016 23:25:19

Middle Channel / QPSK



Date: 14.JUL.2016 23:26:57

Middle Channel / 16QAM

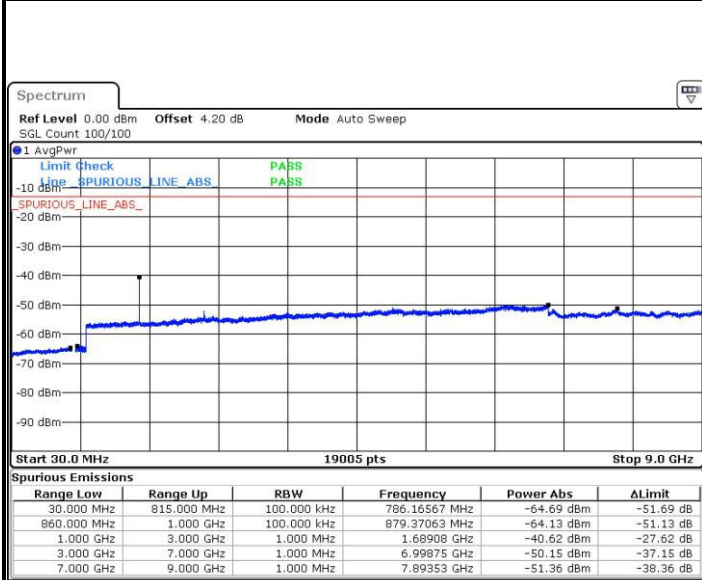


Date: 14.JUL.2016 23:27:52



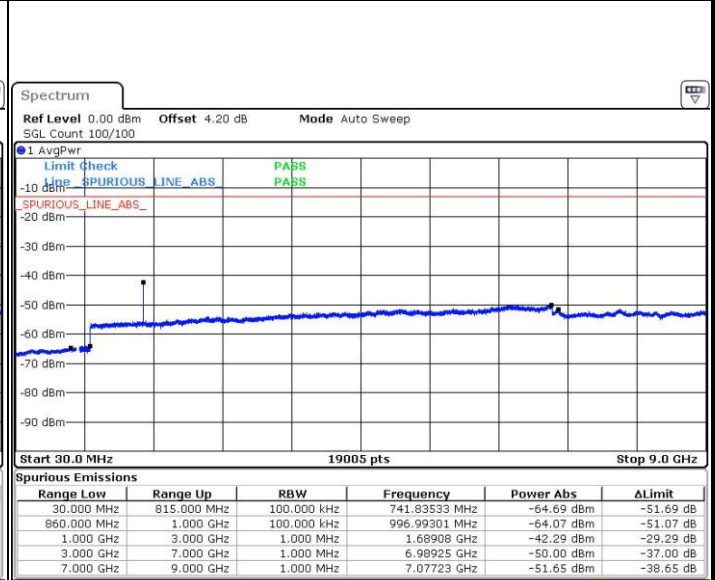
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 14 JUL 2016 23:42:01

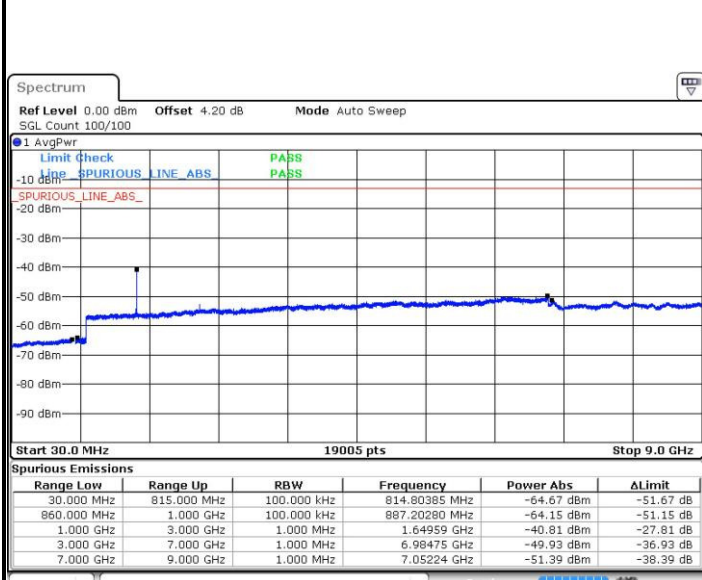
Highest Channel / 16QAM



Date: 14 JUL 2016 23:42:56

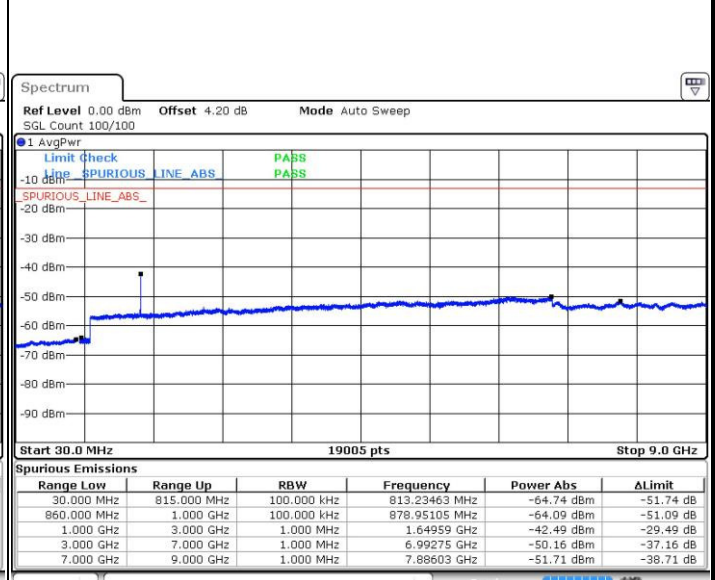
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 14 JUL 2016 23:57:05

Lowest Channel / 16QAM



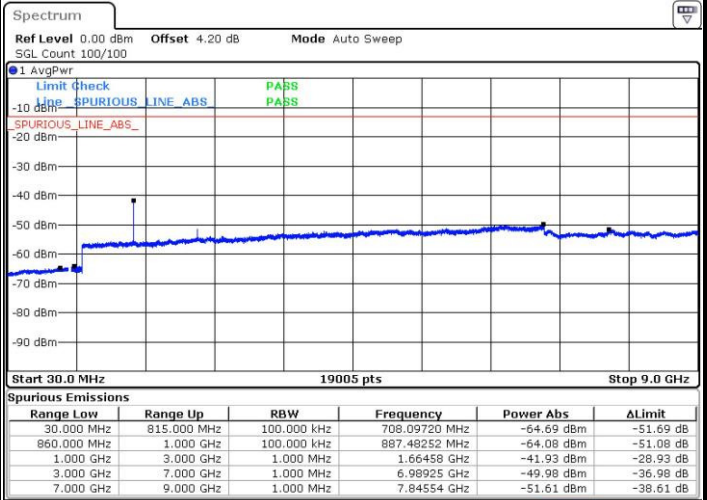
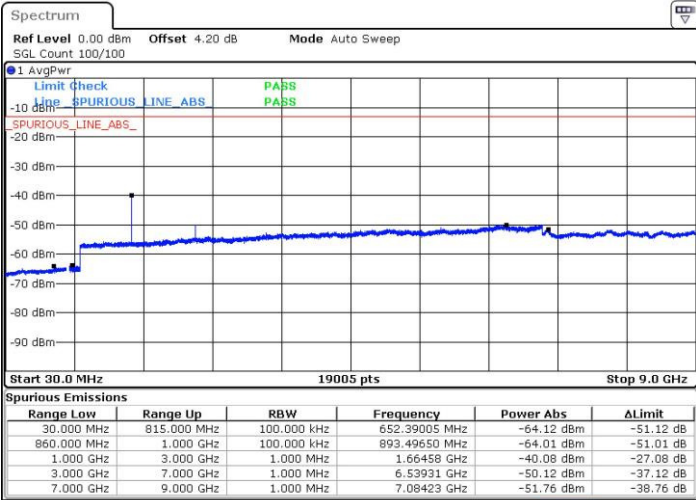
Date: 14 JUL 2016 23:58:00



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

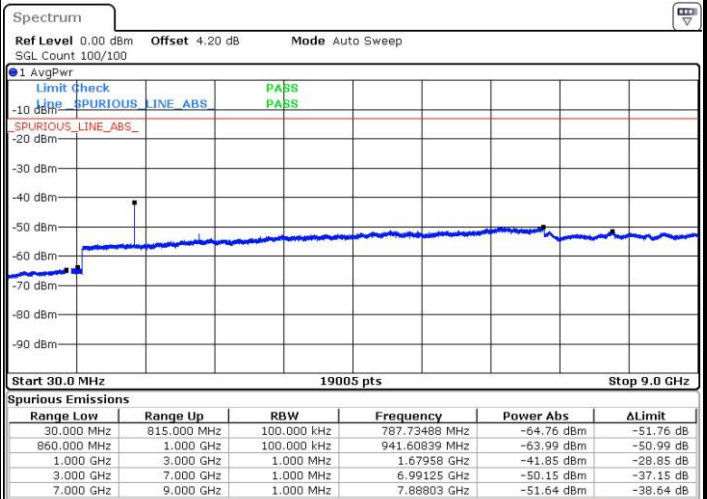
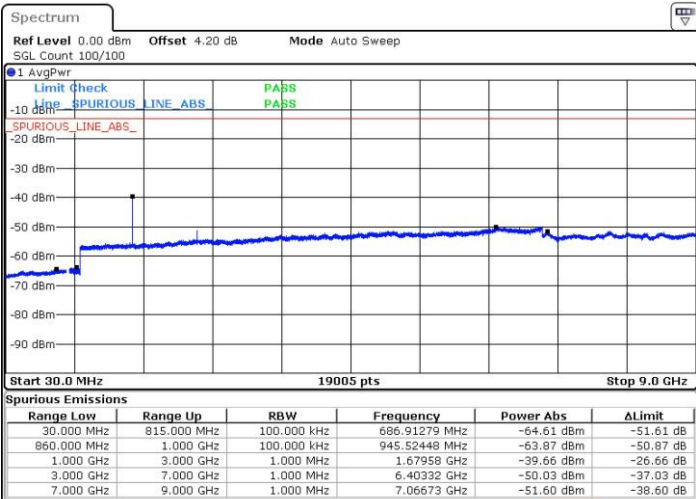


Date: 14.JUL.2016 23:59:37

Date: 15.JUL.2016 00:00:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.JUL.2016 00:14:41

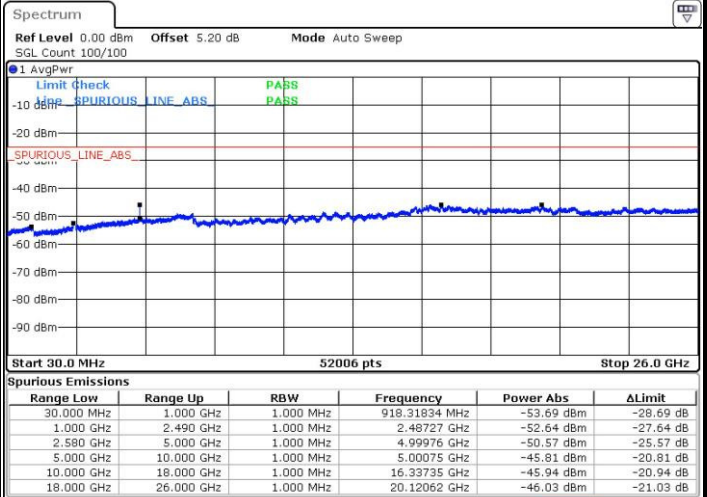
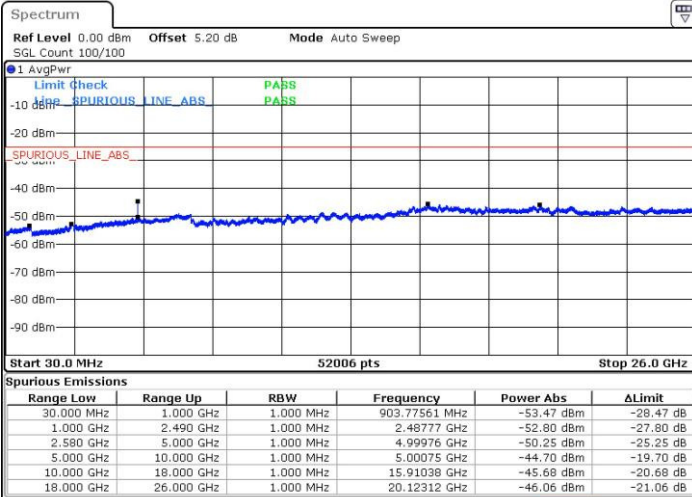
Date: 15.JUL.2016 00:15:36



LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

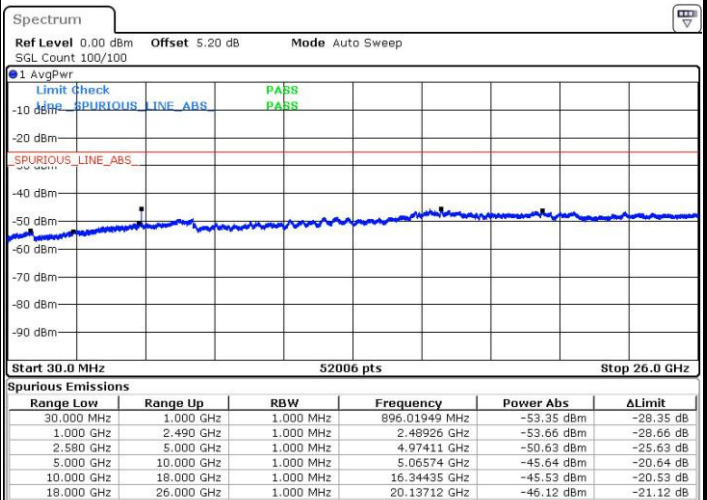
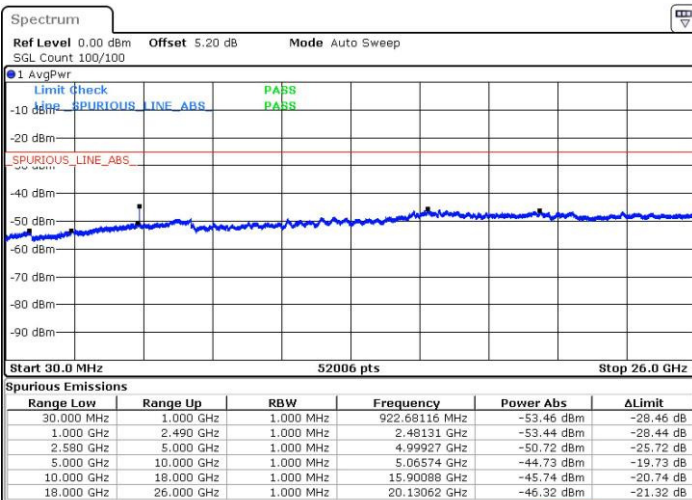


Date: 15.JUL.2016 05:40:33

Date: 15.JUL.2016 05:41:28

Middle Channel / QPSK

Middle Channel / 16QAM



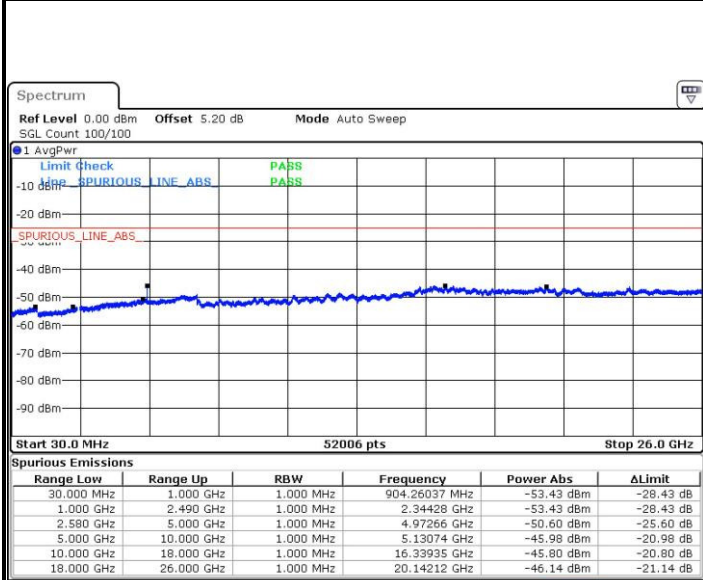
Date: 15.JUL.2016 05:43:17

Date: 15.JUL.2016 05:42:23



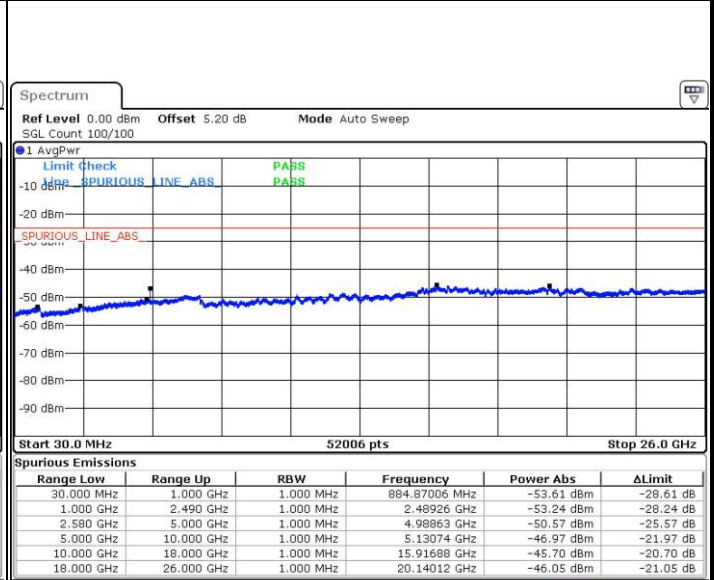
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 15 JUL 2016 05:44:12

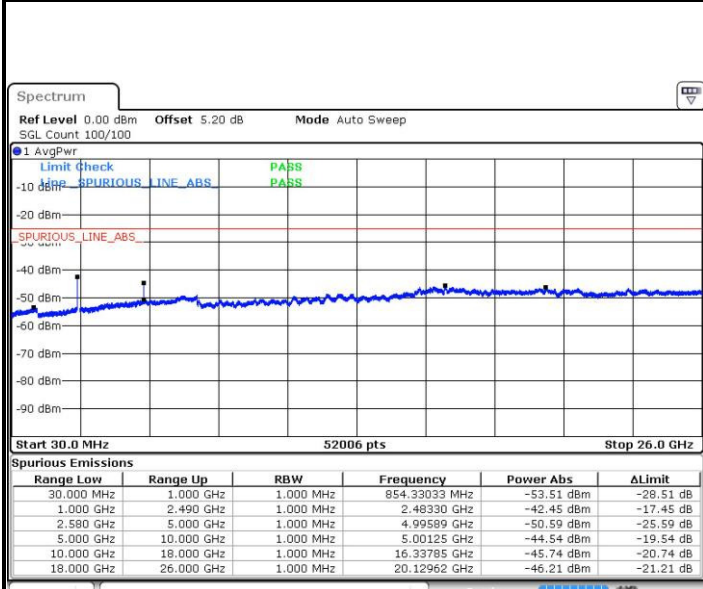
Highest Channel / 16QAM



Date: 15 JUL 2016 05:45:07

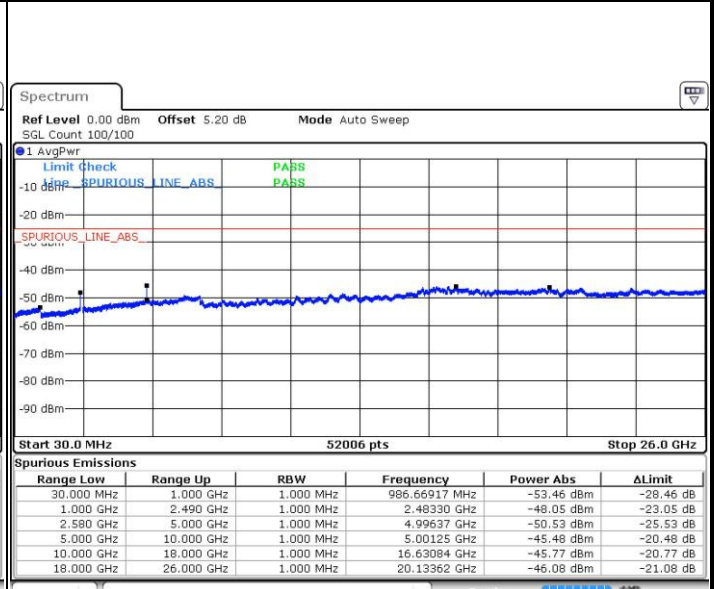
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 15 JUL 2016 05:57:16

Lowest Channel / 16QAM



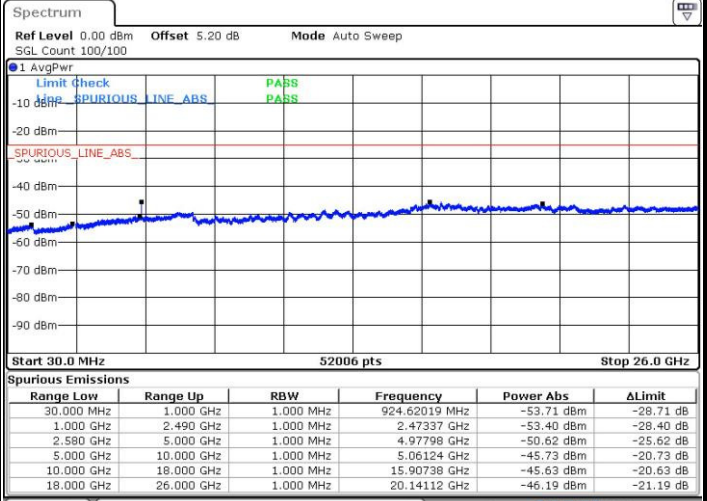
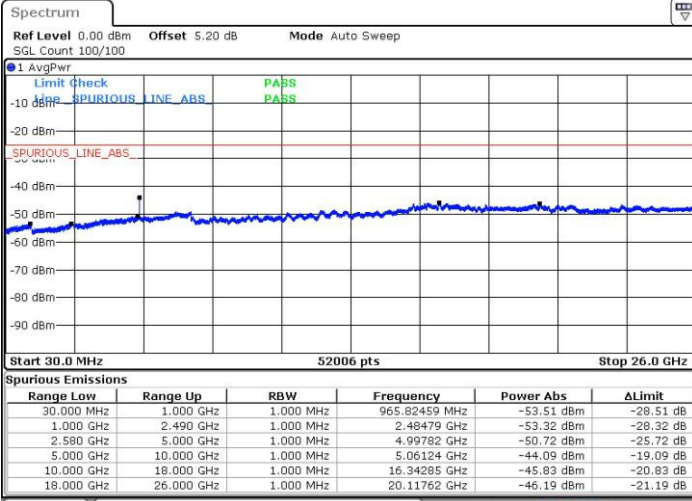
Date: 15 JUL 2016 05:58:10



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

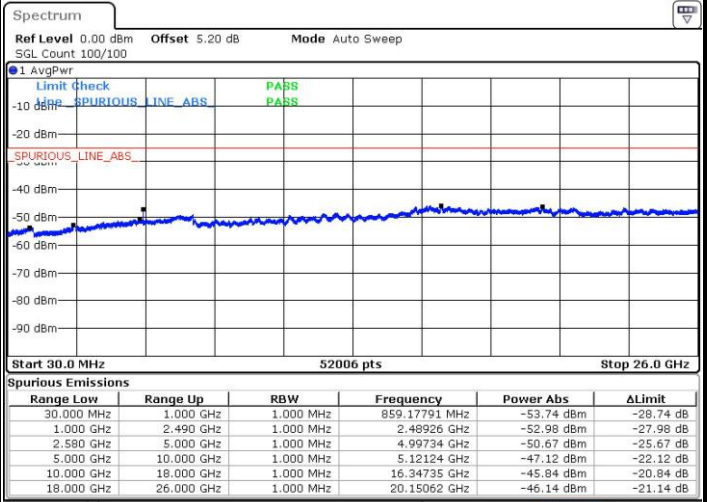
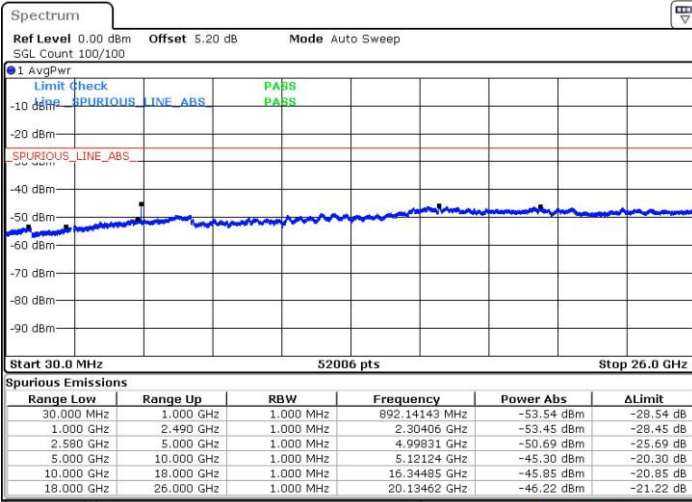


Date: 15 JUL 2016 05:59:59

Date: 15 JUL 2016 05:59:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15 JUL 2016 06:00:54

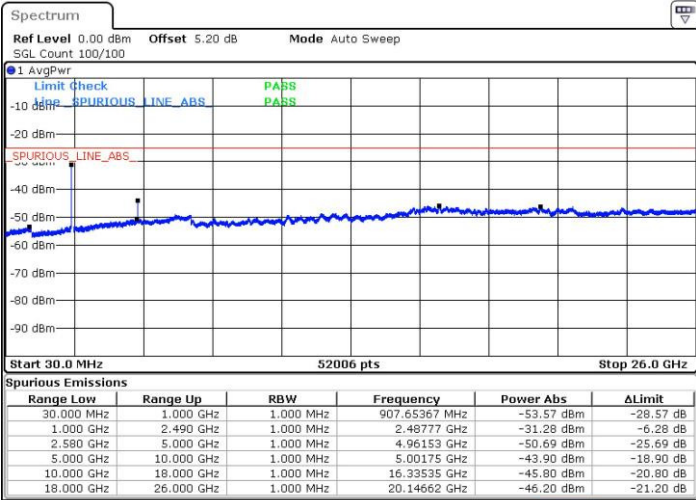
Date: 15 JUL 2016 06:01:49



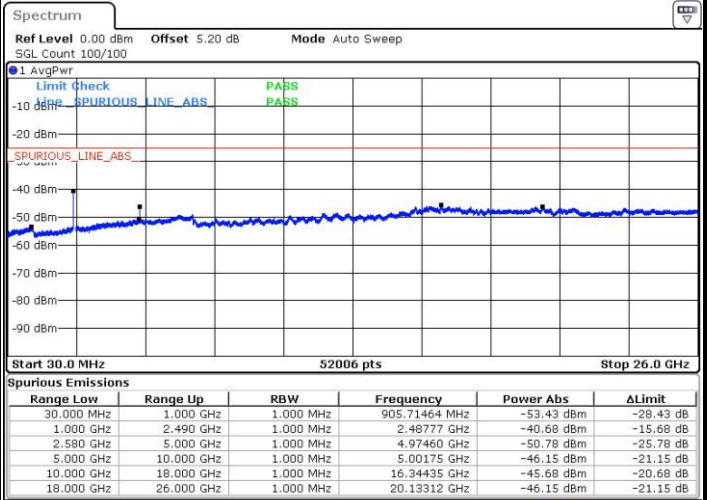
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



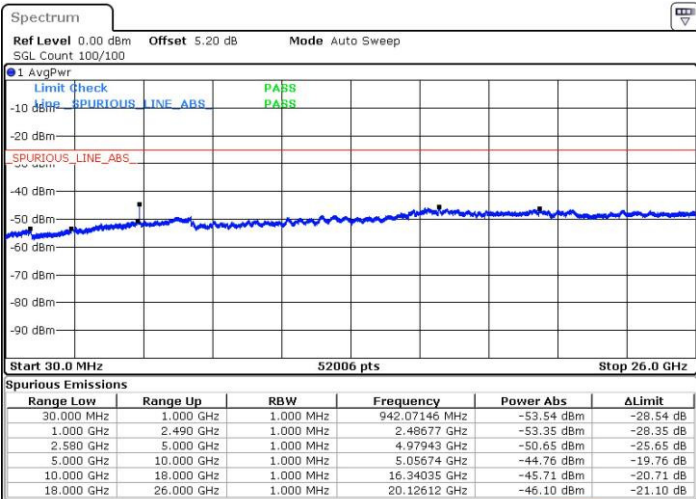
Date: 15 JUL 2016 06:13:58



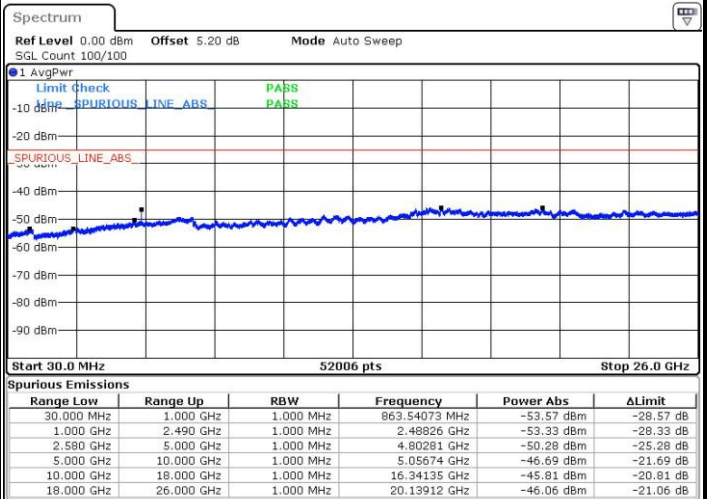
Date: 15 JUL 2016 06:14:52

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 15 JUL 2016 06:16:42

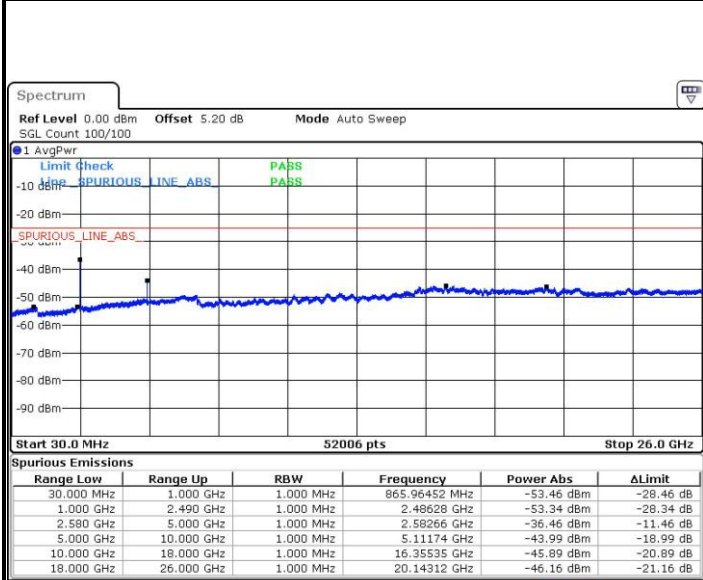


Date: 15 JUL 2016 06:15:47



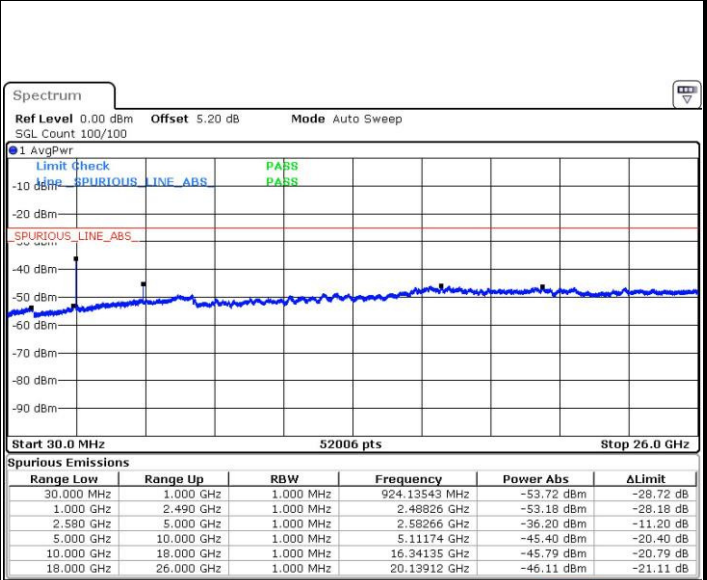
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 15.JUL.2016 06:17:36

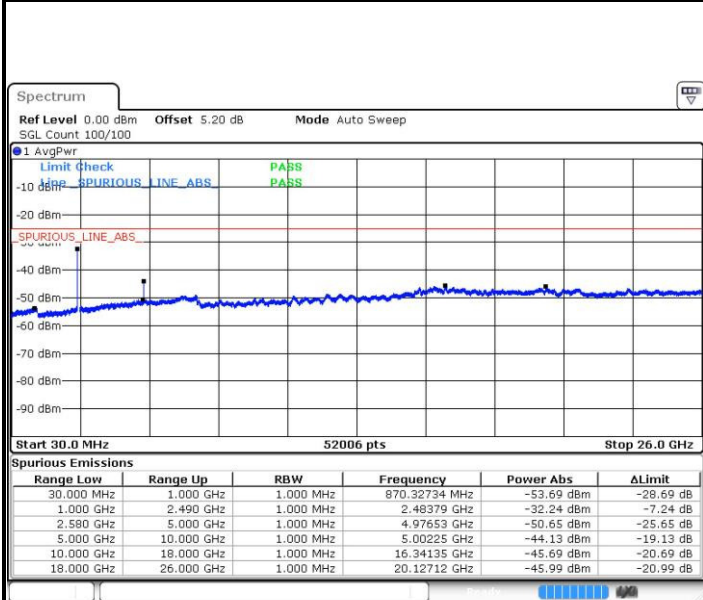
Highest Channel / 16QAM



Date: 15.JUL.2016 06:18:31

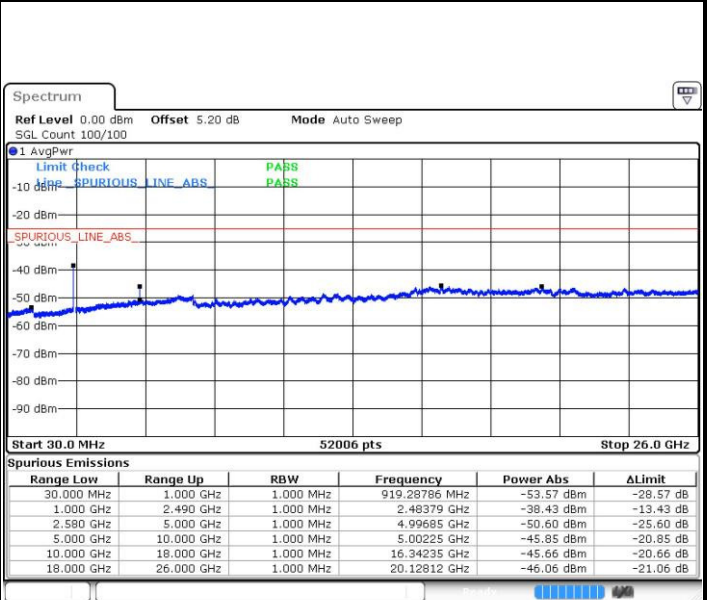
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 15.JUL.2016 06:30:40

Lowest Channel / 16QAM



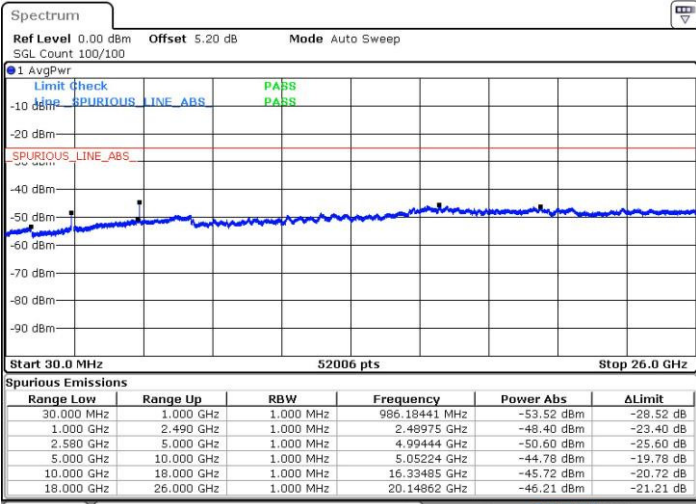
Date: 15.JUL.2016 06:31:34



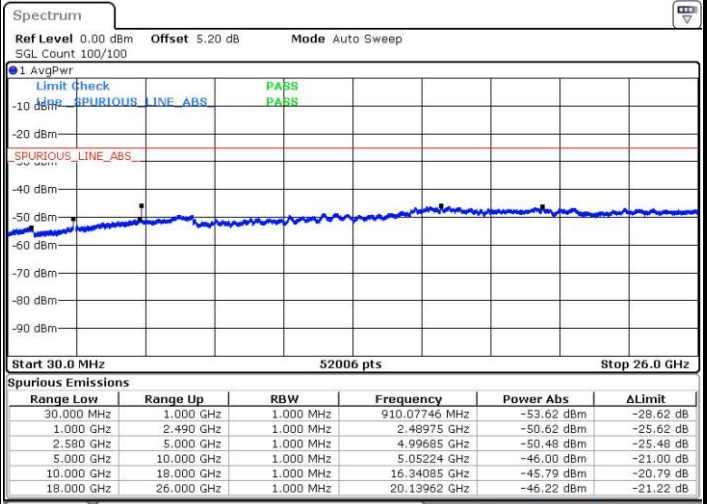
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



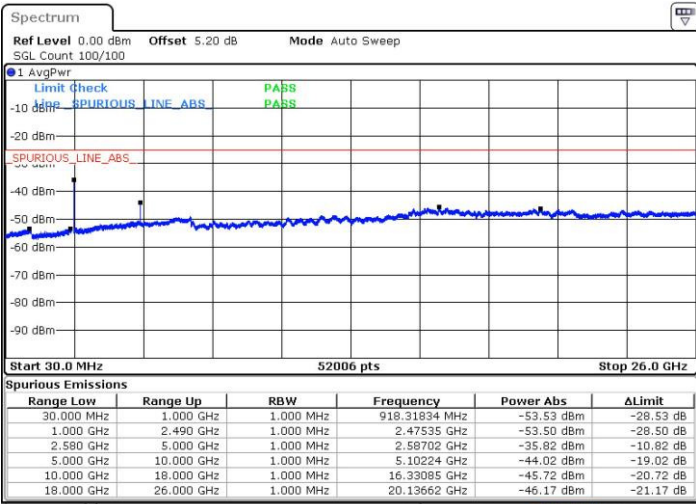
Date: 15 JUL 2016 06:33:24



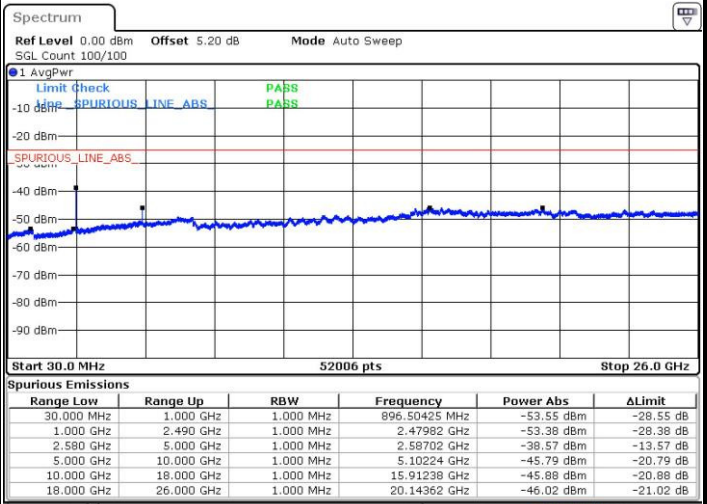
Date: 15 JUL 2016 06:32:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15 JUL 2016 06:34:18



Date: 15 JUL 2016 06:35:13



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0074	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0096	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0075	
20	Normal Voltage	0.0091	
20	Battery End Point	0.0068	

Note: Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	21.30	0.1349	21.13	0.1297
Middle		3	1	21.23	0.1327	21.09	0.1285
Highest		3	1	20.80	0.1202	20.61	0.1151
Lowest	16QAM	1	3	19.58	0.0908	19.55	0.0902
Middle		3	3	19.88	0.0973	19.97	0.0993
Highest		3	3	19.50	0.0891	19.38	0.0867
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	20.60	0.1148	20.66	0.1164
Middle		1	8	20.66	0.1164	20.86	0.1219
Highest		1	14	20.19	0.1045	20.13	0.1030
Lowest	16QAM	1	0	19.28	0.0847	19.29	0.0849
Middle		1	14	19.41	0.0873	19.47	0.0885
Highest		1	14	19.15	0.0822	18.75	0.0750
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	20.84	0.1213	20.84	0.1213
Middle		1	12	20.93	0.1239	21.04	0.1271
Highest		1	12	20.78	0.1197	20.61	0.1151
Lowest	16QAM	1	24	19.65	0.0923	19.51	0.0893
Middle		1	0	19.61	0.0914	19.71	0.0935
Highest		1	12	19.15	0.0822	19.27	0.0845
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	20.97	0.1250	20.90	0.1230
Middle		1	0	20.80	0.1202	20.93	0.1239
Highest		1	25	20.28	0.1067	20.24	0.1057
Lowest	16QAM	1	25	19.45	0.0881	19.55	0.0902
Middle		1	0	19.43	0.0877	19.60	0.0912
Highest		1	25	19.29	0.0849	19.22	0.0836
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	21.08	0.1282	21.04	0.1271
Middle		1	0	20.55	0.1135	20.65	0.1161
Highest		1	74	20.30	0.1072	20.20	0.1047
Lowest	16QAM	1	37	20.04	0.1009	19.31	0.0853
Middle		1	0	19.37	0.0865	18.70	0.0741
Highest		1	37	19.27	0.0845	18.66	0.0735
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	20.88	0.1225	20.88	0.1225
Middle		1	49	20.56	0.1138	20.64	0.1159
Highest		1	49	20.42	0.1102	20.37	0.1089
Lowest	16QAM	1	49	19.83	0.0962	19.27	0.0845
Middle		1	0	19.43	0.0877	18.79	0.0757
Highest		1	49	19.69	0.0931	18.83	0.0764
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	20.70	0.1175	19.56	0.0904
Middle		3	0	21.35	0.1365	20.08	0.1019
Highest		3	0	21.63	0.1455	20.43	0.1104
Lowest	16QAM	3	1	19.56	0.0904	18.58	0.0721
Middle		1	3	20.30	0.1072	19.09	0.0811
Highest		3	3	20.92	0.1236	19.69	0.0931
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	20.23	0.1054	19.13	0.0818
Middle		1	8	20.96	0.1247	19.95	0.0989
Highest		1	0	21.18	0.1312	20.08	0.1019
Lowest	16QAM	1	0	19.49	0.0889	18.42	0.0695
Middle		1	14	20.14	0.1033	18.88	0.0773
Highest		1	14	20.30	0.1072	19.06	0.0805
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	20.55	0.1135	19.46	0.0883
Middle		1	12	21.20	0.1318	19.92	0.0982
Highest		1	0	21.08	0.1282	19.81	0.0957
Lowest	16QAM	1	0	19.30	0.0851	18.32	0.0679
Middle		1	24	20.07	0.1016	18.90	0.0776
Highest		1	0	20.07	0.1016	18.86	0.0769
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	20.64	0.1159	19.55	0.0902
Middle		1	0	20.86	0.1219	19.64	0.0920
Highest		1	0	21.35	0.1365	20.01	0.1002
Lowest	16QAM	1	25	19.40	0.0871	18.22	0.0664
Middle		1	0	19.79	0.0953	18.60	0.0724
Highest		1	49	20.20	0.1047	18.95	0.0785
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	20.89	0.1227	19.71	0.0935
Middle		1	0	20.58	0.1143	19.61	0.0914
Highest		1	0	21.51	0.1416	20.04	0.1009
Lowest	16QAM	1	0	19.19	0.0830	18.11	0.0647
Middle		1	0	19.03	0.0800	17.86	0.0611
Highest		1	0	20.28	0.1067	19.08	0.0809
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.64	0.1159	19.56	0.0904
Middle		1	0	20.79	0.1199	19.77	0.0948
Highest		1	0	21.56	0.1432	20.32	0.1076
Lowest	16QAM	1	49	19.32	0.0855	18.15	0.0653
Middle		1	0	19.91	0.0979	18.65	0.0733
Highest		1	0	20.42	0.1102	18.96	0.0787
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	17.80	0.0603	8.01	0.0063
Middle		3	1	18.34	0.0682	8.60	0.0072
Highest		3	3	19.05	0.0804	9.07	0.0081
Lowest	16QAM	3	1	17.05	0.0507	7.34	0.0054
Middle		3	3	17.60	0.0575	7.77	0.0060
Highest		3	1	18.19	0.0659	8.26	0.0067
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	17.49	0.0561	7.69	0.0059
Middle		1	8	18.10	0.0646	8.09	0.0064
Highest		1	8	18.70	0.0741	8.89	0.0077
Lowest	16QAM	1	14	16.67	0.0465	6.93	0.0049
Middle		1	14	16.80	0.0479	7.16	0.0052
Highest		1	14	17.60	0.0575	7.91	0.0062
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	17.76	0.0597	7.99	0.0063
Middle		1	24	18.05	0.0638	8.20	0.0066
Highest		1	24	18.84	0.0766	8.96	0.0079
Lowest	16QAM	1	24	16.51	0.0448	6.57	0.0045
Middle		1	24	16.86	0.0485	6.84	0.0048
Highest		1	24	17.79	0.0601	7.84	0.0061
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	18.02	0.0634	8.32	0.0068
Middle		1	25	18.30	0.0676	8.34	0.0068
Highest		1	25	18.75	0.0750	8.84	0.0077
Lowest	16QAM	1	25	16.71	0.0469	7.08	0.0051
Middle		1	25	17.05	0.0507	7.15	0.0052
Highest		1	25	17.56	0.0570	7.31	0.0054
Limit	ERP < 7W			Result		PASS	

LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	26.13	0.4102	25.93	0.3917
Middle		1	12	26.18	0.4150	25.84	0.3837
Highest		1	12	25.49	0.3540	25.51	0.3556
Lowest	16QAM	1	12	24.96	0.3133	24.27	0.2673
Middle		1	24	24.96	0.3133	24.68	0.2938
Highest		1	0	24.22	0.2642	23.97	0.2495
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	26.30	0.4266	25.79	0.3793
Middle		1	25	26.34	0.4305	25.77	0.3776
Highest		1	25	25.34	0.3420	25.33	0.3412
Lowest	16QAM	1	0	24.38	0.2742	24.05	0.2541
Middle		1	0	24.72	0.2965	24.21	0.2636
Highest		1	25	24.36	0.2729	24.12	0.2582
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	26.28	0.4246	26.10	0.4074
Middle		1	37	26.57	0.4539	26.24	0.4207
Highest		1	0	25.72	0.3733	25.44	0.3499
Lowest	16QAM	1	0	24.55	0.2851	24.78	0.3006
Middle		1	0	24.85	0.3055	24.60	0.2884
Highest		1	0	24.08	0.2559	23.94	0.2477
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	26.00	0.3981	25.73	0.3741
Middle		1	49	26.08	0.4055	25.75	0.3758
Highest		1	49	25.49	0.3540	25.14	0.3266
Lowest	16QAM	1	49	24.21	0.2636	24.14	0.2594
Middle		1	0	24.43	0.2773	24.19	0.2624
Highest		1	0	24.25	0.2661	23.85	0.2427
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3756	-62.86	-13	-49.86	-66.37	-67.85	1.88	6.87	H
	5638.5	-57.50	-13	-44.50	-65.69	-64.80	2.38	9.68	H
	7518	-55.55	-13	-42.55	-67.58	-64.62	2.74	11.81	H
	3756	-62.44	-13	-49.44	-66.23	-67.43	1.88	6.87	V
	5638	-56.47	-13	-43.47	-65.04	-63.77	2.38	9.68	V
	7518	-56.81	-13	-43.81	-67.52	-65.88	2.74	11.81	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3756	-62.93	-13	-49.93	-66.44	-67.92	1.88	6.87	H
	5635.9	-58.52	-13	-45.52	-66.71	-65.82	2.38	9.68	H
	7514.6	-55.28	-13	-42.28	-67.31	-64.35	2.74	11.81	H
	3757.3	-61.94	-13	-48.94	-65.73	-66.93	1.88	6.87	V
	5634	-55.58	-13	-42.58	-64.15	-62.88	2.38	9.68	V
	7512	-57.41	-13	-44.41	-68.12	-66.48	2.74	11.81	V

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

LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3755.8	-62.40	-13	-49.40	-65.91	-67.39	1.88	6.87	H
	5634	-55.70	-13	-42.70	-63.89	-63.00	2.38	9.68	H
	7512	-55.83	-13	-42.83	-67.86	-64.90	2.74	11.81	H
	3755	-63.23	-13	-50.23	-67.02	-68.22	1.88	6.87	V
	5634	-57.00	-13	-44.00	-65.57	-64.30	2.38	9.68	V
	7512	-57.07	-13	-44.07	-67.78	-66.14	2.74	11.81	V

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



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3750	-61.93	-13	-48.93	-65.44	-66.92	1.88	6.87	H
	5628	-55.14	-13	-42.14	-63.33	-62.44	2.38	9.68	H
	7500	-55.09	-13	-42.09	-67.12	-64.16	2.74	11.81	H
	3751	-62.12	-13	-49.12	-65.91	-67.11	1.88	6.87	V
	5628	-53.53	-13	-40.53	-62.1	-60.83	2.38	9.68	V
	7500	-56.48	-13	-43.48	-67.19	-65.55	2.74	11.81	V

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

LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3744	-62.71	-13	-49.71	-66.22	-67.70	1.88	6.87	H
	5620	-56.98	-13	-43.98	-65.17	-64.28	2.38	9.68	H
	7493	-54.36	-13	-41.36	-66.39	-63.43	2.74	11.81	H
	3746	-62.61	-13	-49.61	-66.4	-67.60	1.88	6.87	V
	5622	-55.75	-13	-42.75	-64.32	-63.05	2.38	9.68	V
	7494	-57.60	-13	-44.60	-68.31	-66.67	2.74	11.81	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3744	-61.52	-13	-48.52	-65.03	-66.51	1.88	6.87	H
	5616	-56.28	-13	-43.28	-64.47	-63.58	2.38	9.68	H
	7484	-55.38	-13	-42.38	-67.41	-64.45	2.74	11.81	H
	3744	-61.90	-13	-48.90	-65.69	-66.89	1.88	6.87	V
	5613	-56.40	-13	-43.40	-64.97	-63.70	2.38	9.68	V
	7484	-58.15	-13	-45.15	-68.86	-67.22	2.74	11.81	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3462	-57.93	-13	-44.93	-64.72	-62.82	1.81	6.70	H
	5195.88	-53.28	-13	-40.28	-65.96	-60.18	2.23	9.13	H
	6927.84	-51.95	-13	-38.95	-67.13	-60.01	2.60	10.66	H
	3462	-60.30	-13	-47.30	-65.5	-65.19	1.81	6.70	V
	5195.88	-52.39	-13	-39.39	-65.94	-59.29	2.23	9.13	V
	6927.84	-53.24	-13	-40.24	-68.29	-61.30	2.6	10.66	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3465.9	-58.74	-13	-45.74	-65.53	-63.63	1.81	6.70	H
	5198.88	-54.61	-13	-41.61	-67.29	-61.51	2.23	9.13	H
	6930	-53.33	-13	-40.33	-68.51	-61.39	2.60	10.66	H
	3468	-60.34	-13	-47.34	-65.54	-65.23	1.81	6.70	V
	5196	-52.44	-13	-39.44	-65.99	-59.34	2.23	9.13	V
	6931.84	-52.57	-13	-39.57	-67.62	-60.63	2.6	10.66	V

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

LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3462	-59.09	-13	-46.09	-65.88	-63.98	1.81	6.70	H
	5191	-53.42	-13	-40.42	-66.10	-60.32	2.23	9.13	H
	6924	-52.60	-13	-39.60	-67.78	-60.66	2.60	10.66	H
	3460	-60.89	-13	-47.89	-66.09	-65.78	1.81	6.70	V
	5191	-53.10	-13	-40.10	-66.65	-60.00	2.23	9.13	V
	6924	-52.85	-13	-39.85	-67.9	-60.91	2.6	10.66	V

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



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3456	-57.99	-13	-44.99	-64.78	-62.88	1.81	6.70	H
	5184	-54.23	-13	-41.23	-66.91	-61.13	2.23	9.13	H
	6912	-52.59	-13	-39.59	-67.77	-60.65	2.60	10.66	H
	3456	-60.25	-13	-47.25	-65.45	-65.14	1.81	6.70	V
	5184	-53.25	-13	-40.25	-66.8	-60.15	2.23	9.13	V
	6912	-52.33	-13	-39.33	-67.38	-60.39	2.6	10.66	V

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

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3450	-58.16	-13	-45.16	-64.95	-63.05	1.81	6.70	H
	5177	-54.42	-13	-41.42	-67.10	-61.32	2.23	9.13	H
	6903	-53.05	-13	-40.05	-68.23	-61.11	2.60	10.66	H
	3451	-60.52	-13	-47.52	-65.72	-65.41	1.81	6.70	V
	5177	-54.37	-13	-41.37	-67.92	-61.27	2.23	9.13	V
	6900	-52.63	-13	-39.63	-67.68	-60.69	2.6	10.66	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3447	-58.63	-13	-45.63	-65.42	-63.52	1.81	6.70	H
	5170	-54.08	-13	-41.08	-66.76	-60.98	2.23	9.13	H
	6894	-52.31	-13	-39.31	-67.49	-60.37	2.60	10.66	H
	3444	-60.65	-13	-47.65	-65.85	-65.54	1.81	6.70	V
	5170	-53.44	-13	-40.44	-66.99	-60.34	2.23	9.13	V
	6894	-52.35	-13	-39.35	-67.4	-60.41	2.6	10.66	V

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



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1671	-63.45	-13	-50.45	-62.08	-65.47	1.73	5.90	H
	2512	-51.96	-13	-38.96	-55.55	-54.50	2.11	6.80	H
	3342	-61.13	-13	-48.13	-65.08	-63.91	2.47	7.40	H
	1672	-61.90	-13	-48.90	-59.86	-63.92	1.73	5.90	V
	2512	-51.48	-13	-38.48	-53.95	-54.02	2.11	6.80	V
	3342	-61.45	-13	-48.45	-64.77	-64.23	2.47	7.40	V

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

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1672	-60.18	-13	-47.18	-58.81	-62.20	1.73	5.90	H
	2505.69	-58.26	-13	-45.26	-61.25	-60.80	2.11	6.80	H
	3340.92	-60.79	-13	-47.79	-64.74	-63.57	2.47	7.40	H
	1672	-61.73	-13	-48.73	-59.69	-63.75	1.73	5.90	V
	2504	-57.74	-13	-44.74	-59.72	-60.28	2.11	6.80	V
	3344	-61.62	-13	-48.62	-64.94	-64.40	2.47	7.40	V

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

LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1672	-61.54	-13.00	-48.54	-60.17	-63.56	1.73	5.90	H
	2504	-53.52	-13.00	-40.52	-56.51	-56.06	2.11	6.80	H
	3337.32	-60.52	-13.00	-47.52	-64.47	-63.30	2.47	7.40	H
	1672	-61.92	-13.00	-48.92	-59.88	-63.94	1.73	5.90	V
	2504	-54.63	-13.00	-41.63	-56.61	-57.17	2.11	6.80	V
	3336	-61.61	-13.00	-48.61	-64.93	-64.39	2.47	7.40	V

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



LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1664	-62.94	-13	-49.94	-61.57	-64.96	1.73	5.90	H
	2496	-54.22	-13	-41.22	-57.21	-56.76	2.11	6.80	H
	3328	-60.21	-13	-47.21	-64.16	-62.99	2.47	7.40	H
	1664	-63.33	-13	-50.33	-61.29	-65.35	1.73	5.90	V
	2496	-54.66	-13	-41.66	-56.64	-57.20	2.11	6.80	V
	3328	-61.57	-13	-48.57	-64.89	-64.35	2.47	7.40	V

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

LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5064	-65.91	-25	-40.91	-47.83	-72.47	2.41	8.97	H
	7598.79	-59.71	-25	-34.71	-48.62	-68.71	2.86	11.86	H
	10134	-56.85	-25	-31.85	-52.24	-65.75	3.21	12.11	H
	5064	-64.68	-25	-39.68	-47.92	-71.24	2.41	8.97	V
	7600	-55.36	-25	-30.36	-45.2	-64.36	2.86	11.86	V
	10134	-56.01	-25	-31.01	-51.53	-64.91	3.21	12.11	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5061.18	-66.06	-25	-41.06	-47.98	-72.62	2.41	8.97	H
	7592	-58.85	-25	-33.85	-47.76	-67.85	2.86	11.86	H
	10124	-55.26	-25	-30.26	-50.65	-64.16	3.21	12.11	H
	5060	-64.80	-25	-39.80	-48.04	-71.36	2.41	8.97	V
	7592	-54.21	-25	-29.21	-43.91	-63.21	2.86	11.86	V
	10124	-55.59	-25	-30.59	-51.11	-64.49	3.21	12.11	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5057.22	-65.17	-25	-40.17	-47.09	-71.73	2.41	8.97	H
	7584	-58.24	-25	-33.24	-47.15	-67.24	2.86	11.86	H
	10116	-55.44	-25	-30.44	-50.83	-64.34	3.21	12.11	H
	5056	-64.35	-25	-39.35	-47.59	-70.91	2.41	8.97	V
	7584	-55.08	-25	-30.08	-44.98	-64.08	2.86	11.86	V
	10116	-56.22	-25	-31.22	-51.74	-65.12	3.21	12.11	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5052.18	-65.94	-25	-40.94	-47.86	-72.50	2.41	8.97	H
	7580	-57.16	-25	-32.16	-46.07	-66.16	2.86	11.86	H
	10107	-57.10	-25	-32.10	-52.49	-66.00	3.21	12.11	H
	5052.18	-62.74	-25	-37.74	-45.98	-69.30	2.41	8.97	V
	7580	-53.57	-25	-28.57	-43.43	-62.57	2.86	11.86	V
	10107	-56.18	-25	-31.18	-51.7	-65.08	3.21	12.11	V

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