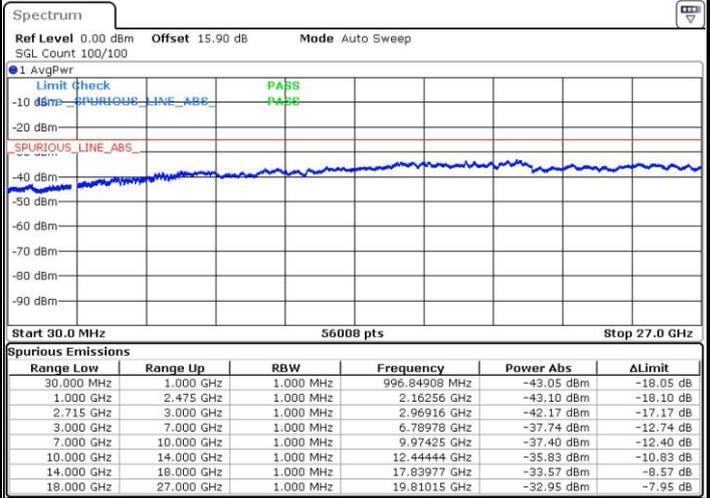
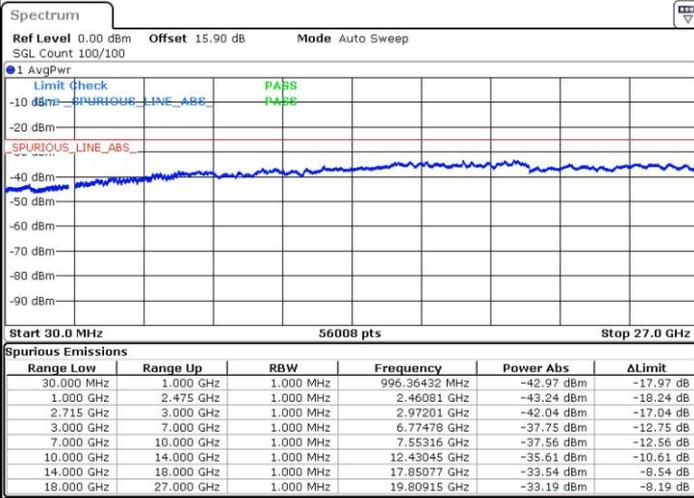




LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



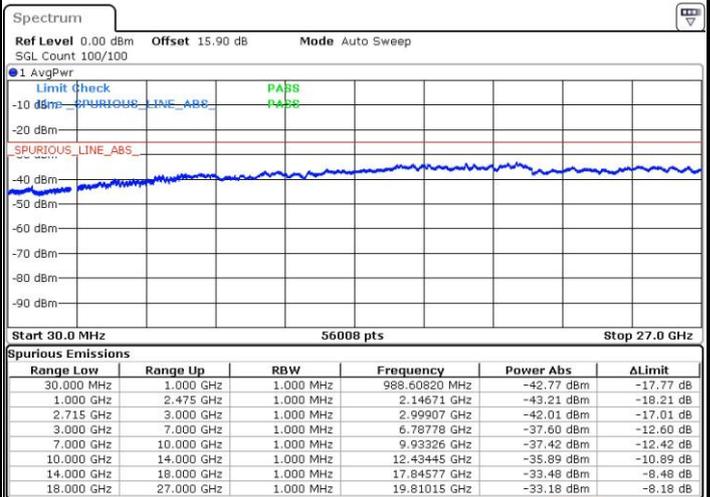
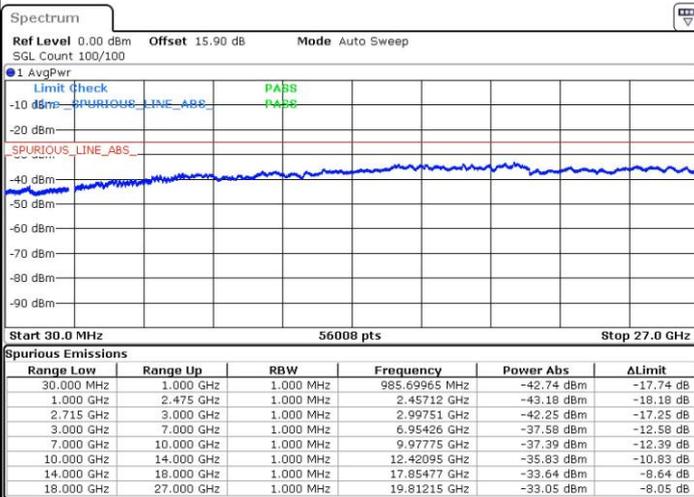
Date: 3 JUL 2019 15:57:17

Date: 3 JUL 2019 15:58:02

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 3 JUL 2019 15:58:49

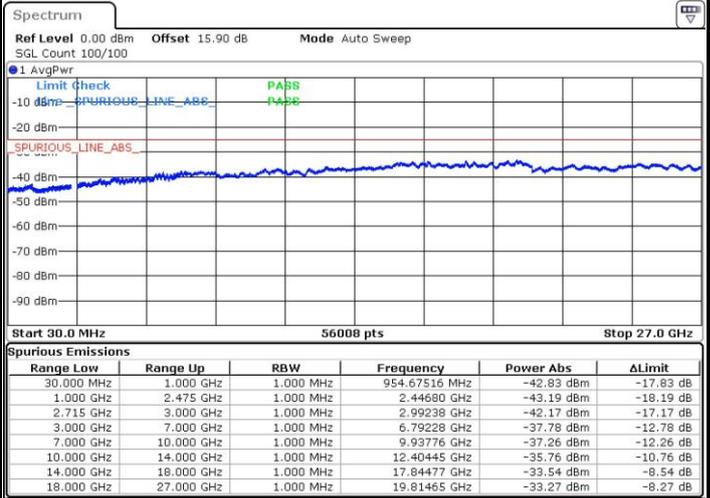
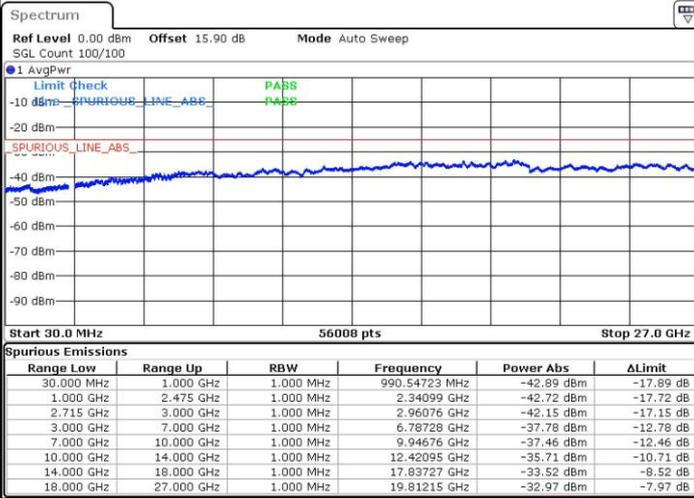
Date: 3 JUL 2019 15:59:35



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

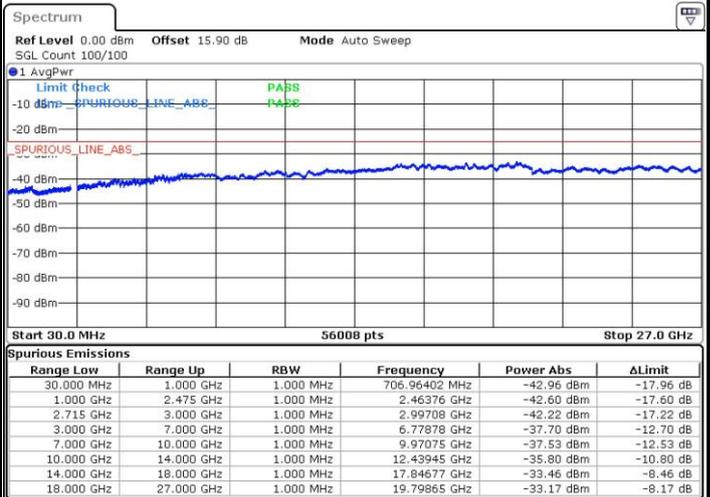
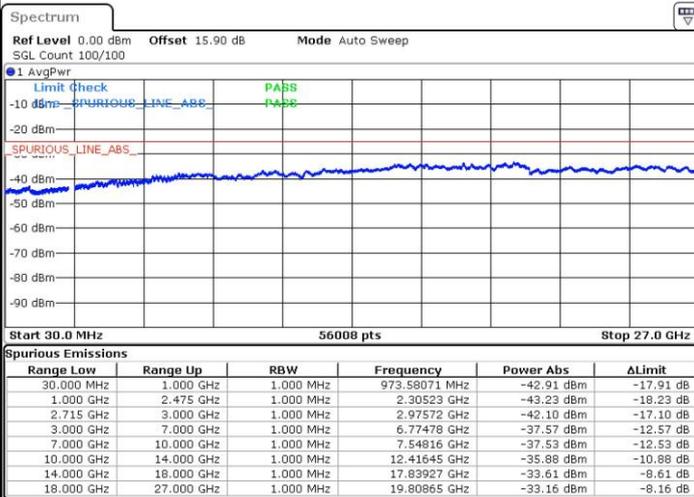


Date: 3 JUL 2019 16:00:20

Date: 3 JUL 2019 16:01:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 JUL 2019 16:01:51

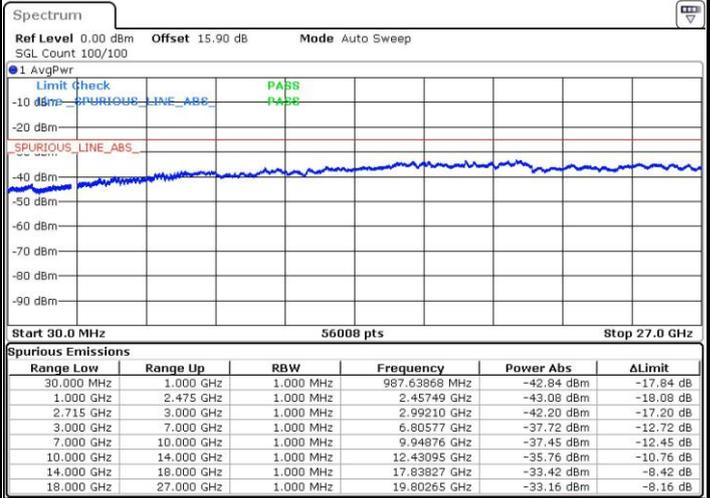
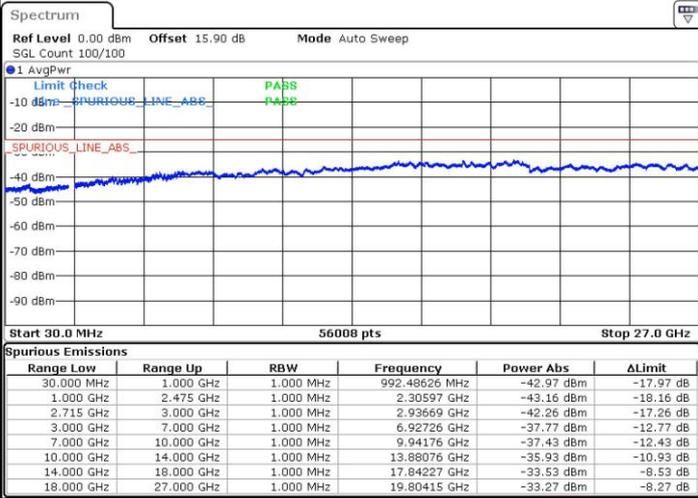
Date: 3 JUL 2019 16:02:37



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

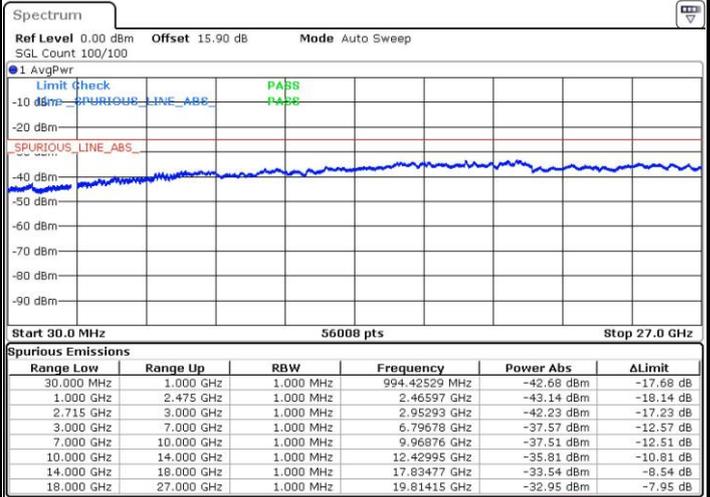
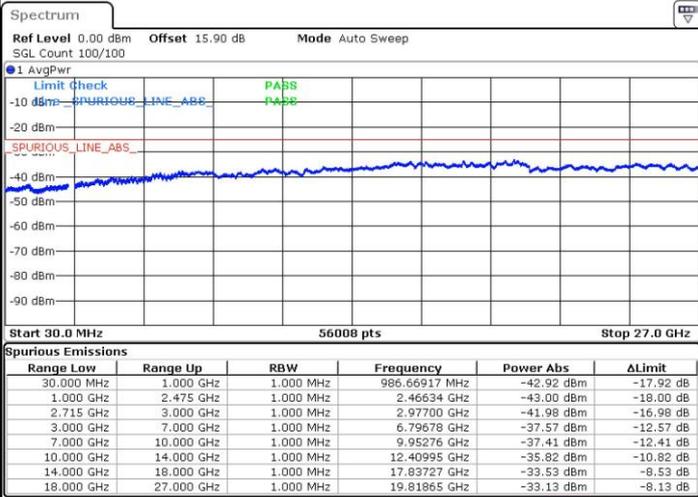


Date: 3 JUL 2019 16:03:24

Date: 3 JUL 2019 16:04:09

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3 JUL 2019 16:04:55

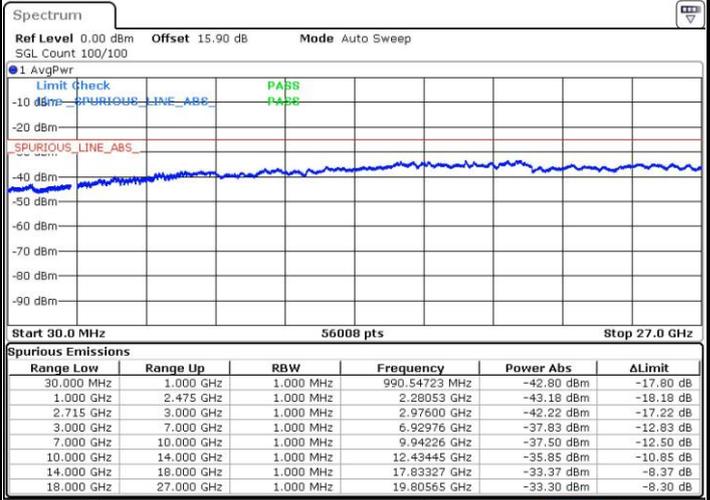
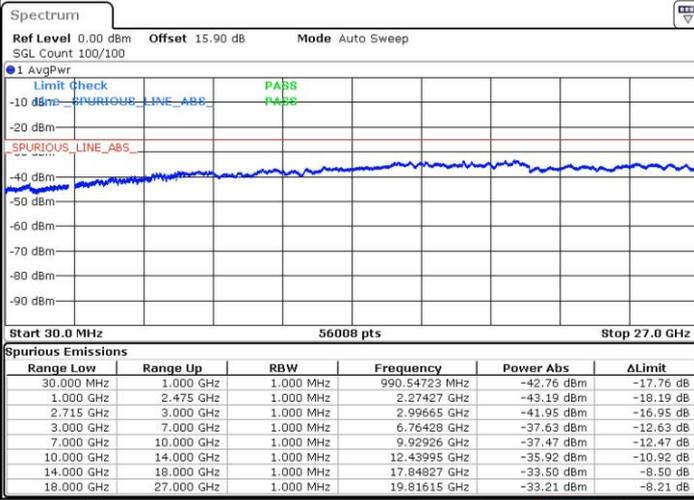
Date: 3 JUL 2019 16:05:40



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



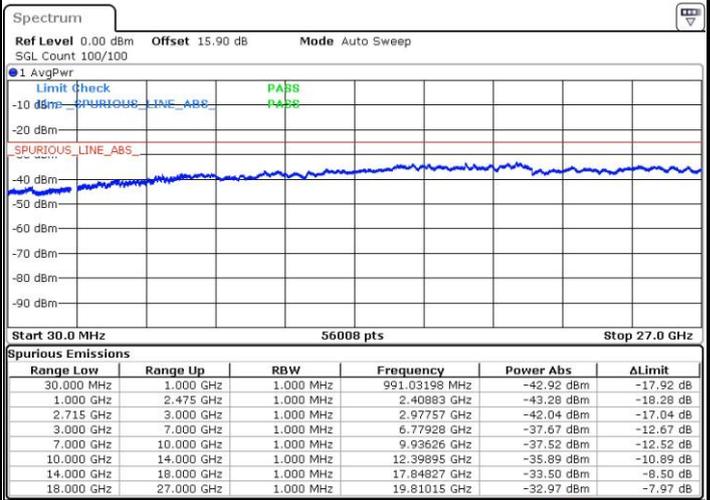
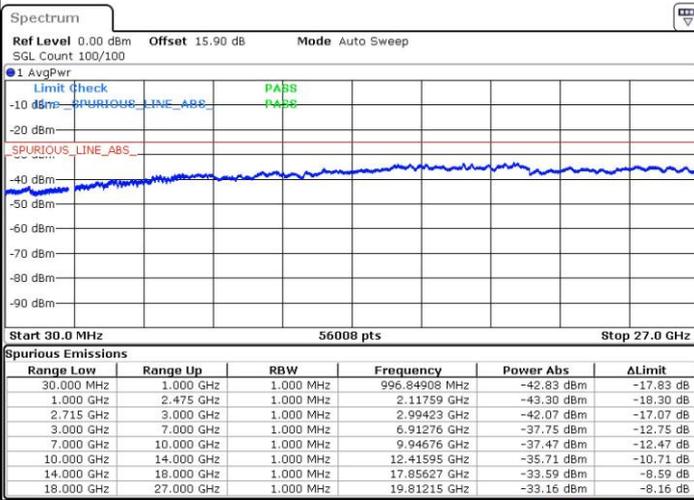
Date: 3 JUL 2019 16:06:25

Date: 3 JUL 2019 16:07:11

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 3 JUL 2019 16:07:58

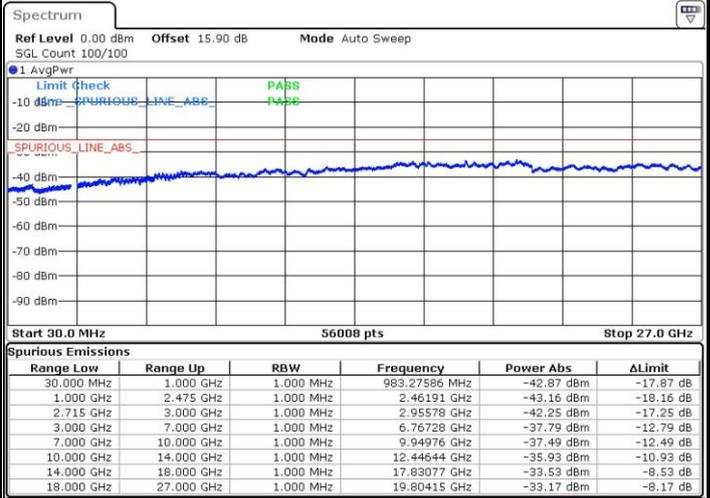
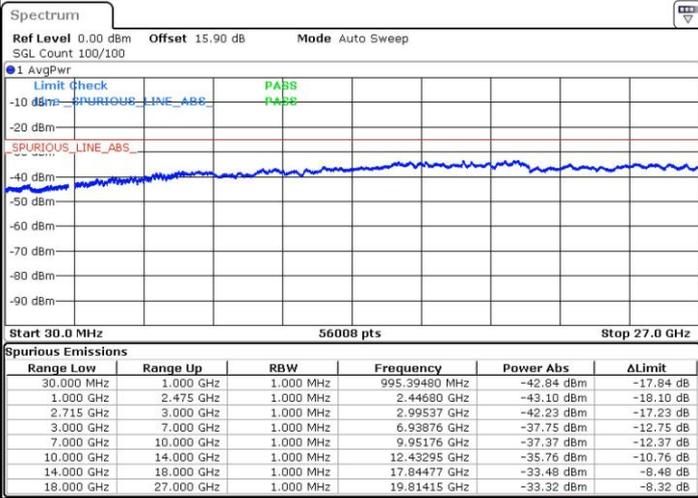
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LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

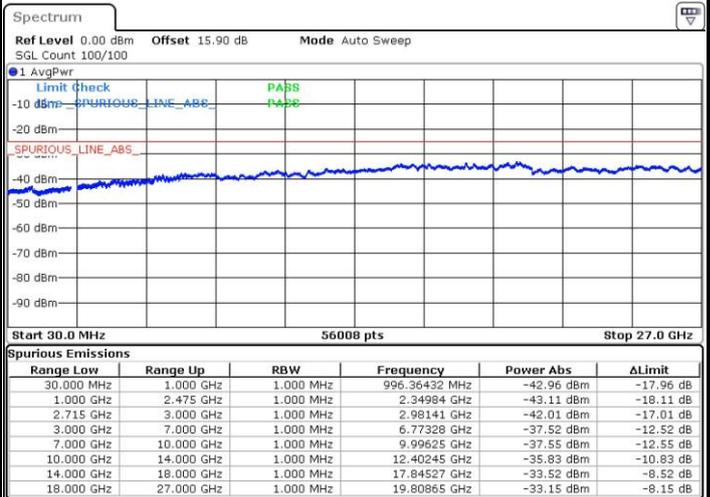
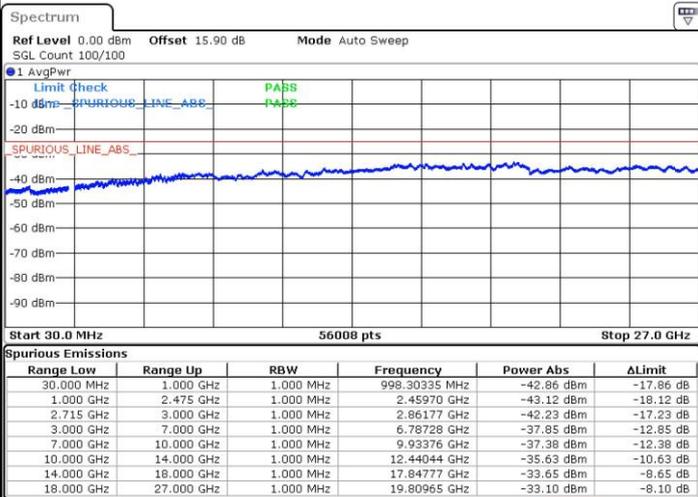


Date: 3 JUL 2019 16:09:29

Date: 3 JUL 2019 16:10:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 JUL 2019 16:11:00

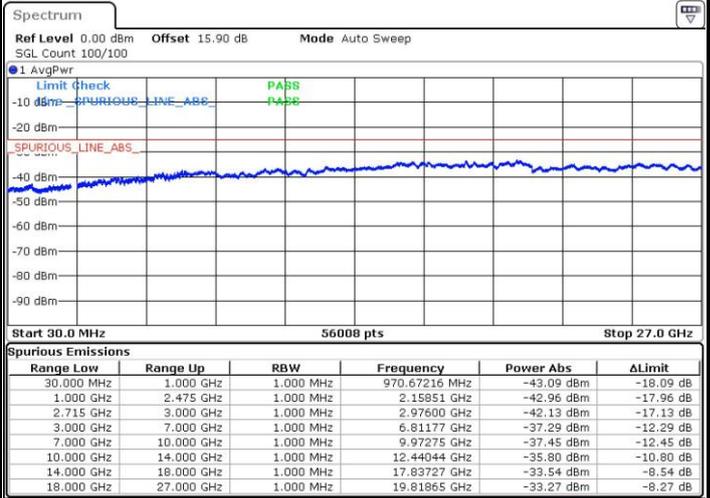
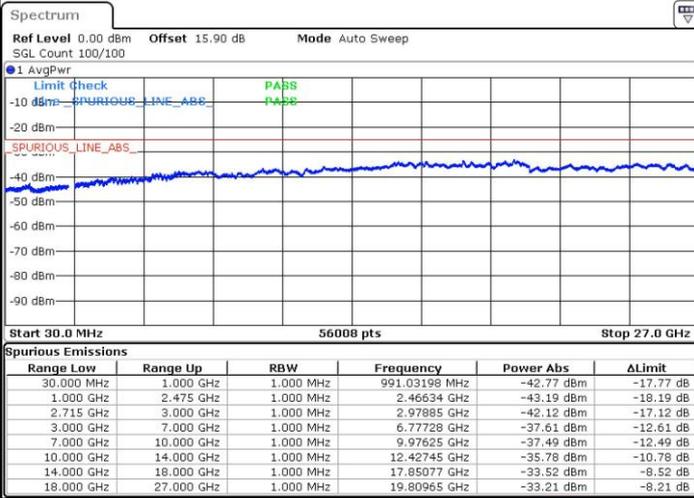
Date: 3 JUL 2019 16:11:46



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

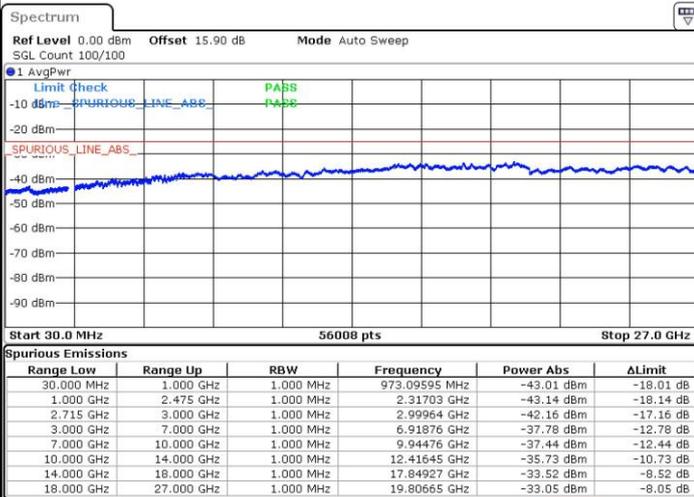
Middle Channel / 64QAM



Date: 3 JUL 2019 15:45:03

Date: 3 JUL 2019 15:45:49

Highest Channel / 64QAM



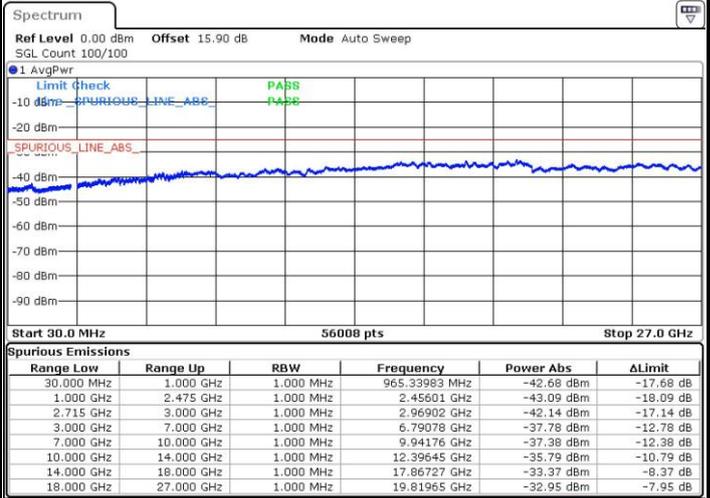
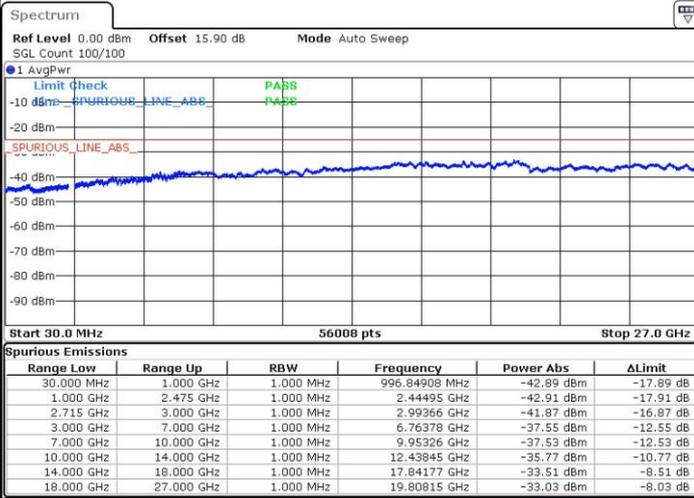
Date: 3 JUL 2019 15:46:34



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

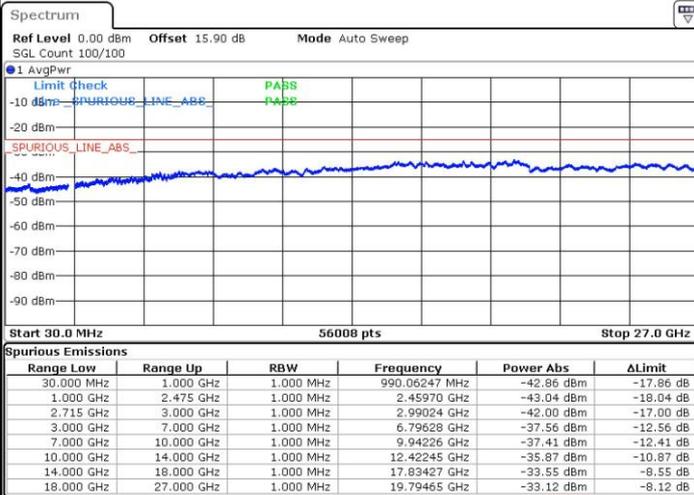
Middle Channel / 64QAM



Date: 3 JUL 2019 15:47:21

Date: 3 JUL 2019 15:48:07

Highest Channel / 64QAM



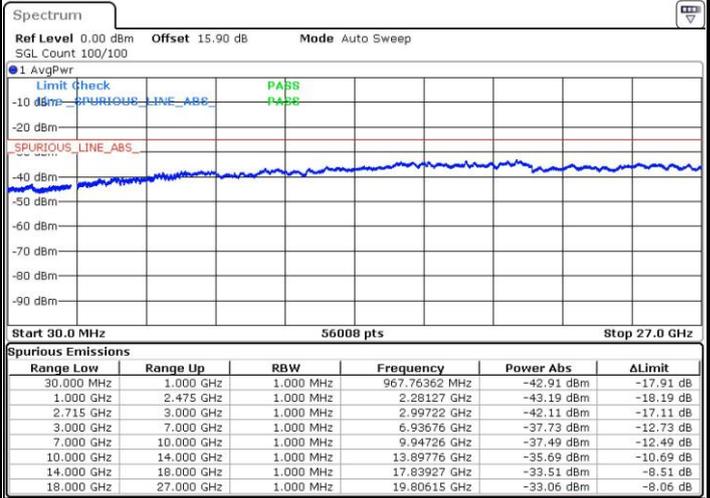
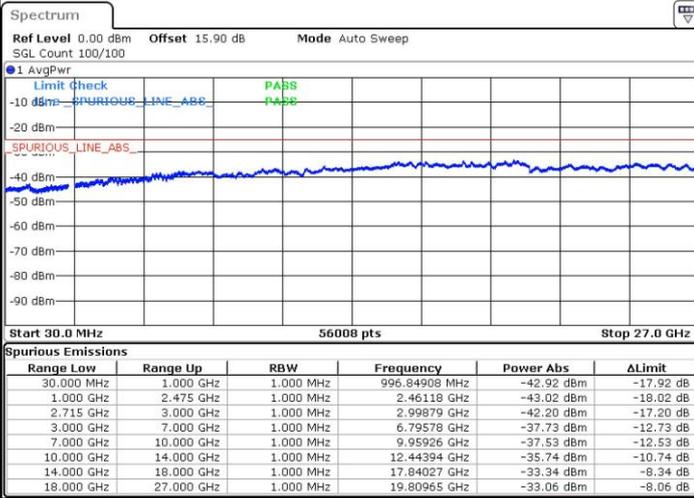
Date: 3 JUL 2019 15:48:52



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

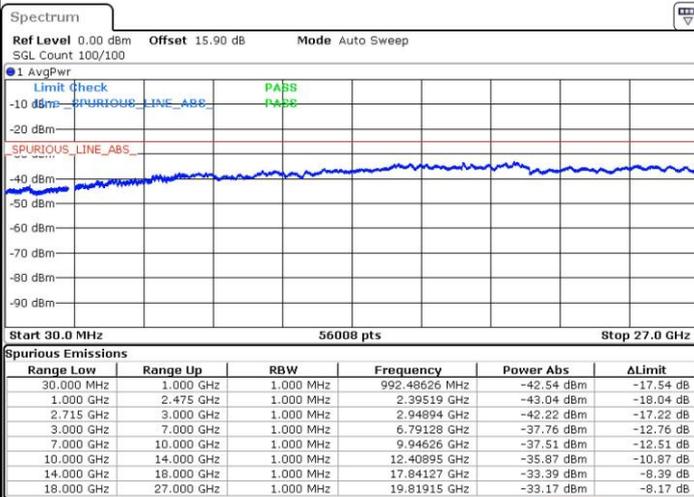
Middle Channel / 64QAM



Date: 3 JUL 2019 15:49:39

Date: 3 JUL 2019 15:50:24

Highest Channel / 64QAM



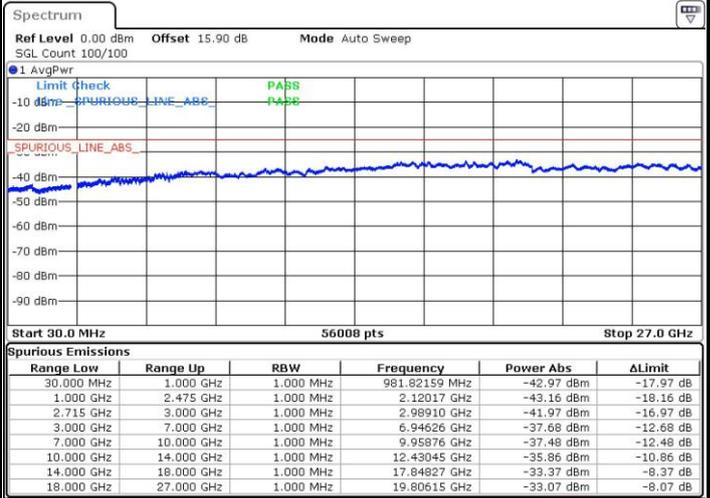
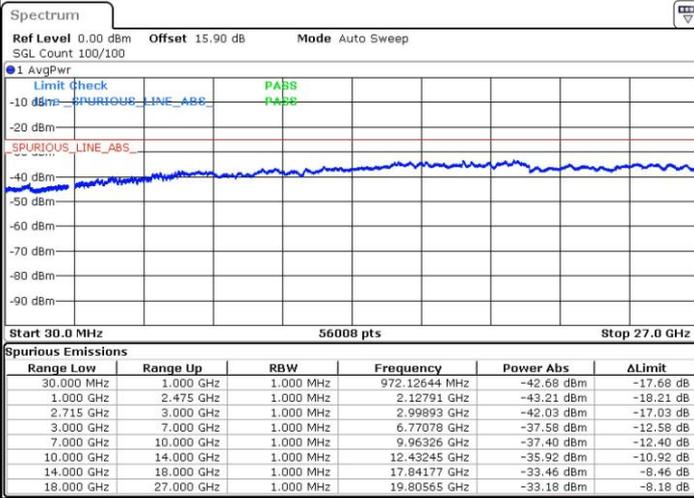
Date: 3 JUL 2019 15:51:10



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

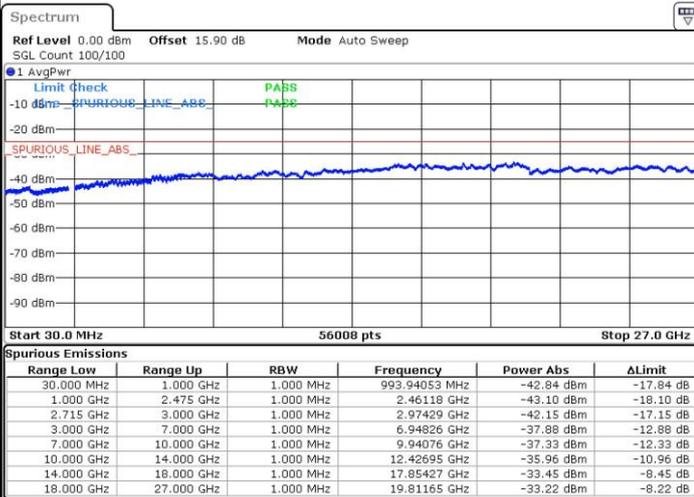
Middle Channel / 64QAM



Date: 3 JUL 2019 15:51:57

Date: 3 JUL 2019 15:52:42

Highest Channel / 64QAM



Date: 3 JUL 2019 15:53:28



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0080	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0083	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0084	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0087	

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 = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	6	0	17.46	0.0557	16.66	0.0463
Middle		6	0	17.37	0.0546	16.57	0.0454
Highest		6	0	17.37	0.0546	16.57	0.0454
Lowest	16QAM	1	3	17.15	0.0519	16.35	0.0432
Middle		1	3	17.16	0.0520	16.36	0.0433
Highest		1	3	17.10	0.0513	16.30	0.0427
Lowest	64QAM	1	3	17.10	0.0513	16.30	0.0427
Middle		1	3	17.12	0.0515	16.32	0.0429
Highest		1	3	17.07	0.0509	16.27	0.0424
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	4	17.54	0.0568	16.74	0.0472
Middle		8	4	17.51	0.0564	16.71	0.0469
Highest		8	4	17.50	0.0562	16.70	0.0468
Lowest	16QAM	1	8	17.25	0.0531	16.45	0.0442
Middle		1	8	17.22	0.0527	16.42	0.0439
Highest		1	8	17.17	0.0521	16.37	0.0434
Lowest	64QAM	1	8	17.18	0.0522	16.38	0.0435
Middle		1	8	17.19	0.0524	16.39	0.0436
Highest		1	8	17.15	0.0519	16.35	0.0432
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	17.55	0.0569	16.75	0.0473
Middle		12	7	17.51	0.0564	16.71	0.0469
Highest		12	7	17.50	0.0562	16.70	0.0468
Lowest	16QAM	1	0	17.16	0.0520	16.36	0.0433
Middle		1	0	17.08	0.0511	16.28	0.0425
Highest		1	0	17.13	0.0516	16.33	0.0430
Lowest	64QAM	1	12	17.09	0.0512	16.29	0.0426
Middle		1	12	17.13	0.0516	16.33	0.0430
Highest		1	12	17.10	0.0513	16.30	0.0427
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	17.54	0.0568	16.74	0.0472
Middle		25	12	17.54	0.0568	16.74	0.0472
Highest		25	12	17.55	0.0569	16.75	0.0473
Lowest	16QAM	1	0	17.13	0.0516	16.33	0.0430
Middle		1	0	17.12	0.0515	16.32	0.0429
Highest		1	0	17.22	0.0527	16.42	0.0439
Lowest	64QAM	1	0	17.08	0.0511	16.28	0.0425
Middle		1	0	17.03	0.0505	16.23	0.0420
Highest		1	0	17.17	0.0521	16.37	0.0434
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	20	17.57	0.0571	16.77	0.0475
Middle		36	20	17.62	0.0578	16.82	0.0481
Highest		36	20	17.61	0.0577	16.81	0.0480
Lowest	16QAM	1	0	17.27	0.0533	16.47	0.0444
Middle		1	0	17.17	0.0521	16.37	0.0434
Highest		1	0	17.33	0.0541	16.53	0.0450
Lowest	64QAM	1	0	17.22	0.0527	16.42	0.0439
Middle		1	0	17.13	0.0516	16.33	0.0430
Highest		1	0	17.24	0.0530	16.44	0.0441
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	17.59	0.0574	16.79	0.0478
Middle		50	0	17.62	0.0578	16.82	0.0481
Highest		50	0	17.63	0.0579	16.83	0.0482
Lowest	16QAM	1	0	17.27	0.0533	16.47	0.0444
Middle		1	0	17.17	0.0521	16.37	0.0434
Highest		1	0	17.31	0.0538	16.51	0.0448
Lowest	64QAM	1	0	17.22	0.0527	16.42	0.0439
Middle		1	0	17.10	0.0513	16.30	0.0427
Highest		1	0	17.18	0.0522	16.38	0.0435
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	18.54	0.0714	17.34	0.0542
Middle		1	3	18.42	0.0695	17.22	0.0527
Highest		1	3	18.55	0.0716	17.35	0.0543
Lowest	16QAM	1	3	18.29	0.0675	17.09	0.0512
Middle		1	3	18.17	0.0656	16.97	0.0498
Highest		1	3	18.31	0.0678	17.11	0.0514
Lowest	64QAM	1	3	18.29	0.0675	17.09	0.0512
Middle		1	3	18.15	0.0653	16.95	0.0495
Highest		1	3	18.25	0.0668	17.05	0.0507
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	4	18.63	0.0729	17.43	0.0553
Middle		8	4	18.57	0.0719	17.37	0.0546
Highest		8	4	18.63	0.0729	17.43	0.0553
Lowest	16QAM	1	8	18.33	0.0681	17.13	0.0516
Middle		1	8	18.19	0.0659	16.99	0.0500
Highest		1	8	18.39	0.0690	17.19	0.0524
Lowest	64QAM	1	8	18.36	0.0685	17.16	0.0520
Middle		1	8	18.23	0.0665	17.03	0.0505
Highest		1	8	18.36	0.0685	17.16	0.0520
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	18.59	0.0723	17.39	0.0548
Middle		12	7	18.50	0.0708	17.30	0.0537
Highest		12	7	18.60	0.0724	17.40	0.0550
Lowest	16QAM	1	12	18.28	0.0673	17.08	0.0511
Middle		1	12	18.17	0.0656	16.97	0.0498
Highest		1	12	18.28	0.0673	17.08	0.0511
Lowest	64QAM	1	0	18.32	0.0679	17.12	0.0515
Middle		1	0	18.09	0.0644	16.89	0.0489
Highest		1	0	18.17	0.0656	16.97	0.0498
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	18.56	0.0718	17.36	0.0545
Middle		25	12	18.50	0.0708	17.30	0.0537
Highest		25	12	18.59	0.0723	17.39	0.0548
Lowest	16QAM	1	25	18.21	0.0662	17.01	0.0502
Middle		1	25	18.16	0.0655	16.96	0.0497
Highest		1	25	18.24	0.0667	17.04	0.0506
Lowest	64QAM	1	0	18.17	0.0656	16.97	0.0498
Middle		1	0	18.15	0.0653	16.95	0.0495
Highest		1	0	18.22	0.0664	17.02	0.0504
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 15MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	0	18.62	0.0728	17.42	0.0552
Middle		36	0	18.62	0.0728	17.42	0.0552
Highest		36	0	18.66	0.0735	17.46	0.0557
Lowest	16QAM	1	0	18.29	0.0675	17.09	0.0512
Middle		1	0	18.25	0.0668	17.05	0.0507
Highest		1	0	18.32	0.0679	17.12	0.0515
Lowest	64QAM	1	0	18.30	0.0676	17.10	0.0513
Middle		1	0	18.23	0.0665	17.03	0.0505
Highest		1	0	18.28	0.0673	17.08	0.0511
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 20MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	18.66	0.0735	17.46	0.0557
Middle		50	0	18.64	0.0731	17.44	0.0555
Highest		50	0	18.67	0.0736	17.47	0.0558
Lowest	16QAM	1	0	18.36	0.0685	17.16	0.0520
Middle		1	0	18.30	0.0676	17.10	0.0513
Highest		1	0	18.34	0.0682	17.14	0.0518
Lowest	64QAM	1	0	18.34	0.0682	17.14	0.0518
Middle		1	0	18.28	0.0673	17.08	0.0511
Highest		1	0	18.29	0.0675	17.09	0.0512
Limit	EIRP < 1W		Result		PASS		



LTE Band 12 / 1.4MHz (Average) (GT - LC = -7.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.85	0.2427	14.40	0.0275
Middle		1	3	24.21	0.2636	14.76	0.0299
Highest		1	3	24.17	0.2612	14.72	0.0296
Lowest	16QAM	1	3	22.91	0.1954	13.46	0.0222
Middle		1	3	23.00	0.1995	13.55	0.0226
Highest		1	3	22.95	0.1972	13.50	0.0224
Lowest	64QAM	1	3	21.89	0.1545	12.44	0.0175
Middle		1	3	21.93	0.1560	12.48	0.0177
Highest		1	3	21.89	0.1545	12.44	0.0175
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -7.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	24.13	0.2588	14.68	0.0294
Middle		1	8	24.29	0.2685	14.84	0.0305
Highest		1	8	24.29	0.2685	14.84	0.0305
Lowest	16QAM	1	8	23.01	0.2000	13.56	0.0227
Middle		1	8	23.04	0.2014	13.59	0.0229
Highest		1	8	23.05	0.2018	13.60	0.0229
Lowest	64QAM	1	8	21.98	0.1578	12.53	0.0179
Middle		1	8	22.00	0.1585	12.55	0.0180
Highest		1	8	22.03	0.1596	12.58	0.0181
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -7.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	24.17	0.2612	14.72	0.0296
Middle		1	12	24.25	0.2661	14.80	0.0302
Highest		1	12	24.23	0.2649	14.78	0.0301
Lowest	16QAM	1	12	22.93	0.1963	13.48	0.0223
Middle		1	12	23.02	0.2004	13.57	0.0228
Highest		1	12	22.96	0.1977	13.51	0.0224
Lowest	64QAM	1	12	21.92	0.1556	12.47	0.0177
Middle		1	12	21.96	0.1570	12.51	0.0178
Highest		1	12	21.94	0.1563	12.49	0.0177
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -7.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	24.30	0.2692	14.85	0.0305
Middle		1	49	24.19	0.2624	14.74	0.0298
Highest		1	49	24.10	0.2570	14.65	0.0292
Lowest	16QAM	1	49	22.99	0.1991	13.54	0.0226
Middle		1	49	22.90	0.1950	13.45	0.0221
Highest		1	49	22.89	0.1945	13.44	0.0221
Lowest	64QAM	1	49	21.97	0.1574	12.52	0.0179
Middle		1	49	21.94	0.1563	12.49	0.0177
Highest		1	49	21.89	0.1545	12.44	0.0175
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -7.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	24.20	0.2630	14.75	0.0299
Middle		1	12	24.22	0.2642	14.77	0.0300
Highest		1	12	24.20	0.2630	14.75	0.0299
Lowest	16QAM	1	12	22.99	0.1991	13.54	0.0226
Middle		1	12	23.00	0.1995	13.55	0.0226
Highest		1	12	22.97	0.1982	13.52	0.0225
Lowest	64QAM	1	12	21.94	0.1563	12.49	0.0177
Middle		1	12	21.99	0.1581	12.54	0.0179
Highest		1	12	21.93	0.1560	12.48	0.0177
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -7.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	24.23	0.2649	14.78	0.0301
Middle		1	25	24.20	0.2630	14.75	0.0299
Highest		1	25	24.18	0.2618	14.73	0.0297
Lowest	16QAM	1	0	22.84	0.1923	13.39	0.0218
Middle		1	0	22.84	0.1923	13.39	0.0218
Highest		1	0	23.00	0.1995	13.55	0.0226
Lowest	64QAM	1	25	21.93	0.1560	12.48	0.0177
Middle		1	25	21.91	0.1552	12.46	0.0176
Highest		1	25	21.90	0.1549	12.45	0.0176
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	22.18	0.1652	20.98	0.1253
Middle		12	7	22.20	0.1660	21.00	0.1259
Highest		12	7	22.19	0.1656	20.99	0.1256
Lowest	16QAM	25	0	21.64	0.1459	20.44	0.1107
Middle		25	0	21.58	0.1439	20.38	0.1091
Highest		25	0	21.68	0.1472	20.48	0.1117
Lowest	64QAM	1	24	21.36	0.1368	20.16	0.1038
Middle		1	24	21.43	0.1390	20.23	0.1054
Highest		1	24	21.46	0.1400	20.26	0.1062
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	22.10	0.1622	20.90	0.1230
Middle		50	0	22.12	0.1629	20.92	0.1236
Highest		50	0	22.14	0.1637	20.94	0.1242
Lowest	16QAM	1	0	21.49	0.1409	20.29	0.1069
Middle		1	0	21.50	0.1413	20.30	0.1072
Highest		1	0	21.65	0.1462	20.45	0.1109
Lowest	64QAM	1	0	21.31	0.1352	20.11	0.1026
Middle		1	0	21.31	0.1352	20.11	0.1026
Highest		1	0	21.37	0.1371	20.17	0.1040
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	22.13	0.1633	20.93	0.1239
Middle		36	39	22.19	0.1656	20.99	0.1256
Highest		36	39	22.24	0.1675	21.04	0.1271
Lowest	16QAM	75	0	21.67	0.1469	20.47	0.1114
Middle		75	0	21.69	0.1476	20.49	0.1119
Highest		75	0	21.76	0.1500	20.56	0.1138
Lowest	64QAM	1	74	21.32	0.1355	20.12	0.1028
Middle		1	74	21.36	0.1368	20.16	0.1038
Highest		1	74	21.53	0.1422	20.33	0.1079
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = -1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	50	22.15	0.1641	20.95	0.1245
Middle		50	50	22.11	0.1626	20.91	0.1233
Highest		50	50	22.29	0.1694	21.09	0.1285
Lowest	16QAM	50	50	21.68	0.1472	20.48	0.1117
Middle		50	50	21.71	0.1483	20.51	0.1125
Highest		50	50	21.82	0.1521	20.62	0.1153
Lowest	64QAM	1	99	21.27	0.1340	20.07	0.1016
Middle		1	99	21.31	0.1352	20.11	0.1026
Highest		1	99	21.51	0.1416	20.31	0.1074
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3711	-53.22	-13	-40.22	-71.37	-64.43	1.41	12.63	H
	5566	-49.23	-13	-36.23	-72.19	-60.79	1.74	13.30	H
	7422	-45.16	-13	-32.16	-71.97	-54.44	1.95	11.22	H
									H
									H
									H
	3711	-53.17	-13	-40.17	-71.48	-64.38	1.41	12.63	V
	5566	-49.40	-13	-36.40	-71.93	-60.96	1.74	13.30	V
	7422	-45.55	-13	-32.55	-72.22	-54.83	1.95	11.22	V
									V
									V
									V
Middle	3750	-53.47	-13	-40.47	-71.77	-64.70	1.43	12.65	H
	5626	-49.36	-13	-36.36	-72.35	-60.93	1.73	13.30	H
	7502	-45.13	-13	-32.13	-71.64	-54.24	1.99	11.10	H
									H
									H
									H
	3750	-52.44	-13	-39.44	-70.95	-63.67	1.43	12.65	V
	5626	-49.80	-13	-36.80	-72.42	-61.37	1.73	13.30	V
	7502	-45.33	-13	-32.33	-71.81	-54.44	1.99	11.10	V
									V
									V
									V



Highest	3791	-52.97	-13	-39.97	-71.42	-63.17	2.02	12.23	H
	5686	-48.69	-13	-35.69	-71.95	-59.04	2.11	12.46	H
	7582	-46.03	-13	-33.03	-72.16	-54.21	2.11	10.30	H
									H
									H
									H
									H
	3791	-53.11	-13	-40.11	-71.82	-63.31	2.02	12.23	V
	5686	-49.36	-13	-36.36	-72.09	-59.71	2.11	12.46	V
	7582	-45.96	-13	-32.96	-72.05	-54.14	2.11	10.30	V
									V
									V
									V
									V

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



LTE Band 4

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3431	-55.13	-13	-42.13	-71.44	-66.12	1.35	12.33	H
	5146	-50.34	-13	-37.34	-72.05	-61.50	1.65	12.80	H
	6862	-46.49	-13	-33.49	-71.99	-56.84	1.74	12.09	H
									H
									H
									H
									H
	3431	-54.57	-13	-41.57	-71.29	-65.56	1.35	12.33	V
	5146	-50.41	-13	-37.41	-71.88	-61.57	1.65	12.80	V
	6862	-46.72	-13	-33.72	-71.81	-57.07	1.74	12.09	V
									V
									V
									V
									V
Middle	3456	-54.72	-13	-41.72	-71.26	-65.76	1.35	12.39	H
	5184	-50.66	-13	-37.66	-72.38	-61.86	1.66	12.86	H
	6912	-46.41	-13	-33.41	-72.18	-56.70	1.73	12.02	H
									H
									H
									H
									H
	3456	-54.57	-13	-41.57	-71.5	-65.61	1.35	12.39	V
	5184	-50.73	-13	-37.73	-72.27	-61.93	1.66	12.86	V
	6912	-46.47	-13	-33.47	-71.8	-56.76	1.73	12.02	V
									V
									V
									V
									V



Highest	3481	-54.41	-13	-41.41	-71.2	-65.51	1.36	12.45	H
	5221	-50.45	-13	-37.45	-72.25	-61.69	1.67	12.91	H
	6962	-45.87	-13	-32.87	-71.9	-56.10	1.73	11.95	H
									H
									H
									H
									H
	3481	-54.57	-13	-41.57	-71.73	-65.67	1.36	12.45	V
	5221	-50.71	-13	-37.71	-72.32	-61.95	1.67	12.91	V
	6962	-46.64	-13	-33.64	-72.19	-56.87	1.73	11.95	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	1416	-59.20	-13	-46.20	-70.44	-63.92	0.85	7.71	H
	2124	-55.73	-13	-42.73	-70.31	-62.69	1.07	10.17	H
	2832	-55.83	-13	-42.83	-70.81	-63.55	1.23	11.10	H
									H
									H
									H
									H
	1416	-59.98	-13	-46.98	-70.01	-64.70	0.85	7.71	V
	2124	-57.12	-13	-44.12	-70.57	-64.08	1.07	10.17	V
	2832	-55.75	-13	-42.75	-70.70	-63.47	1.23	11.10	V
									V
									V
									V
									V
Middle	1422	-59.26	-13	-46.26	-70.45	-64.00	0.85	7.74	H
	2133	-55.49	-13	-42.49	-70.22	-62.46	1.07	10.19	H
	2844	-55.43	-13	-42.43	-70.45	-63.16	1.23	11.11	H
									H
									H
									H
									H
	1422	-60.33	-13	-47.33	-70.32	-65.07	0.85	7.74	V
	2133	-57.14	-13	-44.14	-70.72	-64.11	1.07	10.19	V
	2844	-55.80	-13	-42.80	-70.81	-63.53	1.23	11.11	V
									V
									V
									V
									V



Highest	1430	-59.41	-13	-46.41	-70.55	-64.19	0.85	7.78	H
	2145	-55.27	-13	-42.27	-70.19	-62.25	1.07	10.20	H
	2860	-55.85	-13	-42.85	-70.94	-63.60	1.24	11.13	H
									H
									H
									H
									H
	1430	-60.45	-13	-47.45	-70.41	-65.23	0.85	7.78	V
	2145	-56.89	-13	-43.89	-70.65	-63.87	1.07	10.20	V
	2860	-54.84	-13	-41.84	-69.93	-62.59	1.24	11.13	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	5022	-50.66	-25	-25.66	-72.33	-61.68	1.62	12.63	H
	7530	-45.83	-25	-20.83	-72.2	-54.94	1.99	11.11	H
	10044	-41.79	-25	-16.79	-70.91	-50.66	2.40	11.26	H
									H
									H
									H
									H
	5022	-51.10	-25	-26.10	-72.35	-62.12	1.62	12.63	V
	7530	-46.00	-25	-21.00	-72.34	-55.11	1.99	11.11	V
	10044	-41.62	-25	-16.62	-71.45	-50.49	2.40	11.26	V
									V
									V
									V
									V
Middle	5196	-50.86	-25	-25.86	-72.59	-62.07	1.66	12.87	H
	7794	-46.07	-25	-21.07	-72.11	-55.20	2.03	11.16	H
	10386	-41.12	-25	-16.12	-71.53	-49.72	2.39	10.99	H
									H
									H
									H
									H
	5196	-50.83	-25	-25.83	-72.39	-62.04	1.66	12.87	V
	7794	-45.89	-25	-20.89	-71.64	-55.02	2.03	11.16	V
	10386	-41.56	-25	-16.56	-71.93	-50.16	2.39	10.99	V
									V
									V
									V
									V



Highest	5370	-49.83	-25	-24.83	-72.14	-61.24	1.71	13.12	H
	8052	-44.47	-25	-19.47	-71.58	-53.71	2.06	11.30	H
	10737	-40.38	-25	-15.38	-71.98	-48.77	2.51	10.90	H
									H
									H
									H
									H
	5370	-50.14	-25	-25.14	-72.07	-61.55	1.71	13.12	V
	8052	-44.78	-25	-19.78	-71.87	-54.02	2.06	11.30	V
	10737	-40.94	-25	-15.94	-72.31	-49.33	2.51	10.90	V
									V
									V
									V
									V

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