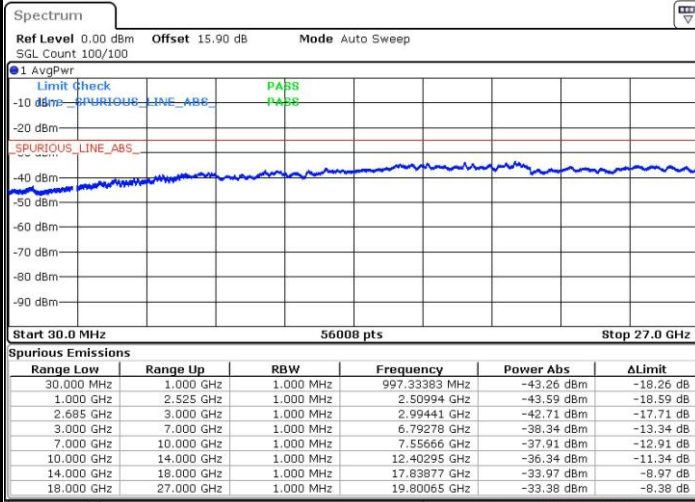




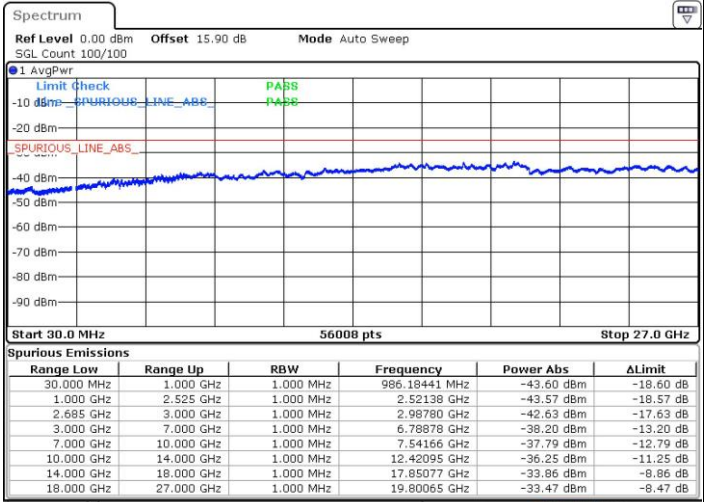
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 2.SEP.2018 15:26:55

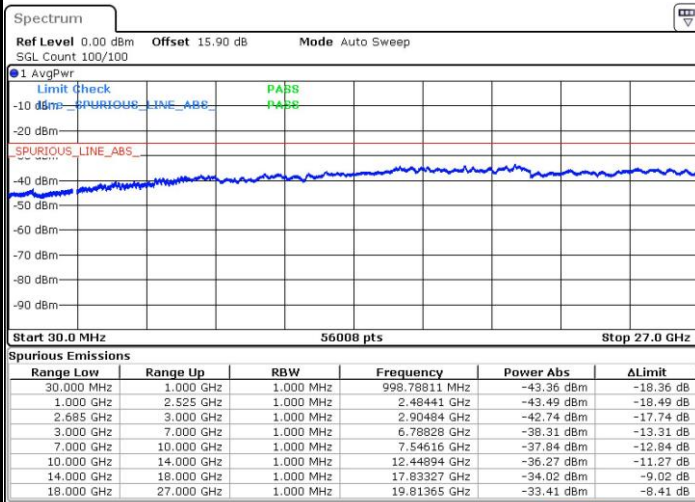
Highest Channel / 16QAM



Date: 2.SEP.2018 15:27:46

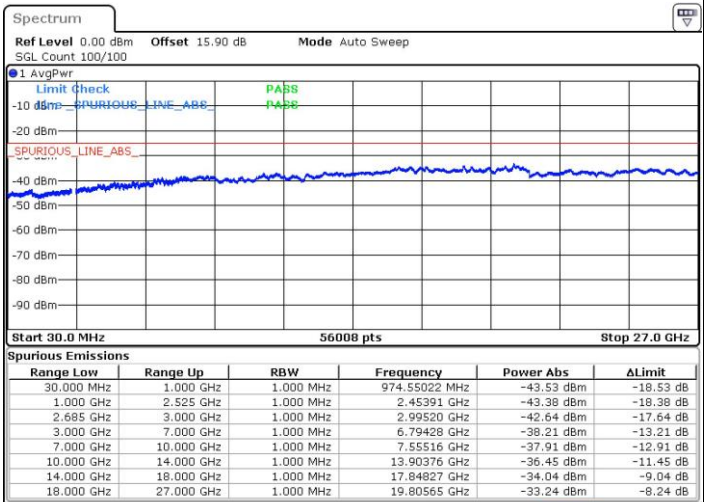
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 2.SEP.2018 15:28:38

Lowest Channel / 16QAM



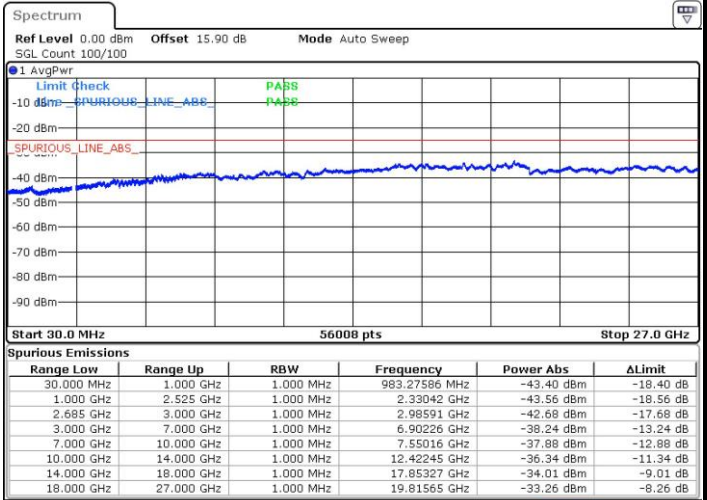
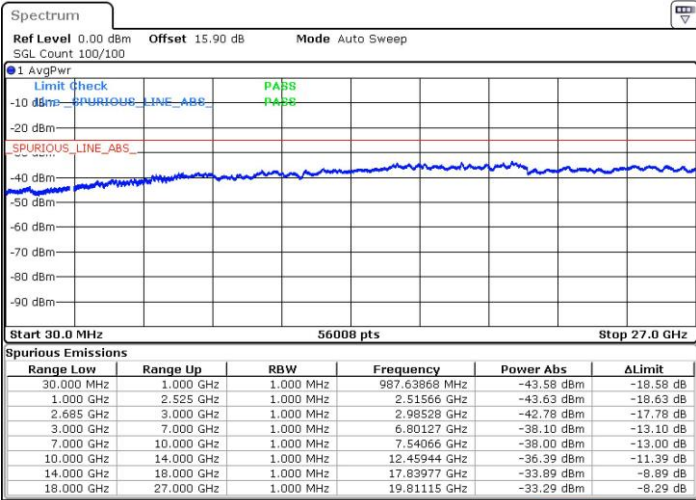
Date: 2.SEP.2018 15:29:29



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

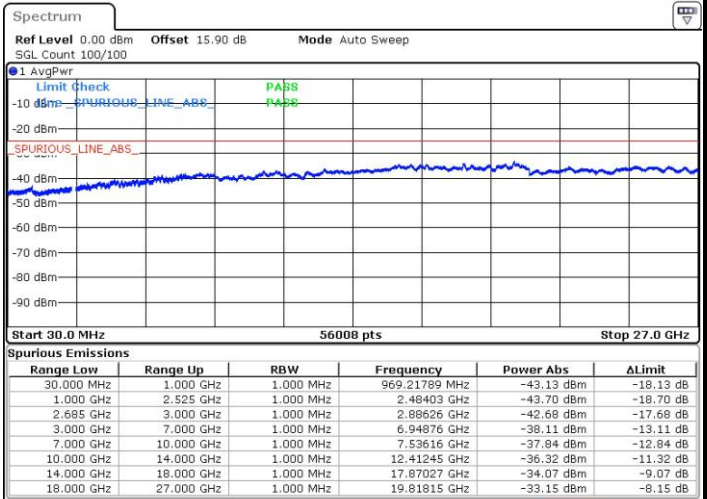
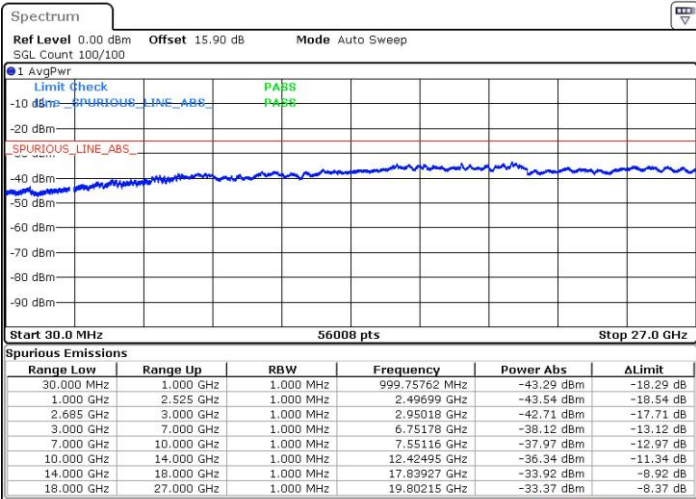


Date: 2.SEP.2018 15:30:21

Date: 2.SEP.2018 15:31:12

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2.SEP.2018 15:32:03

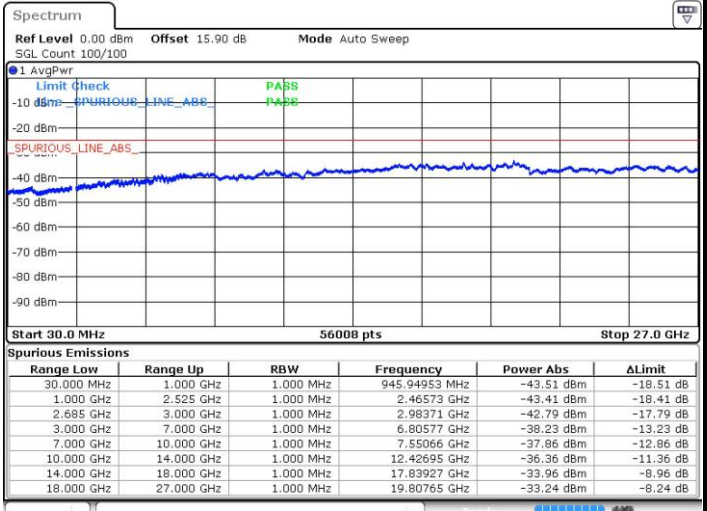
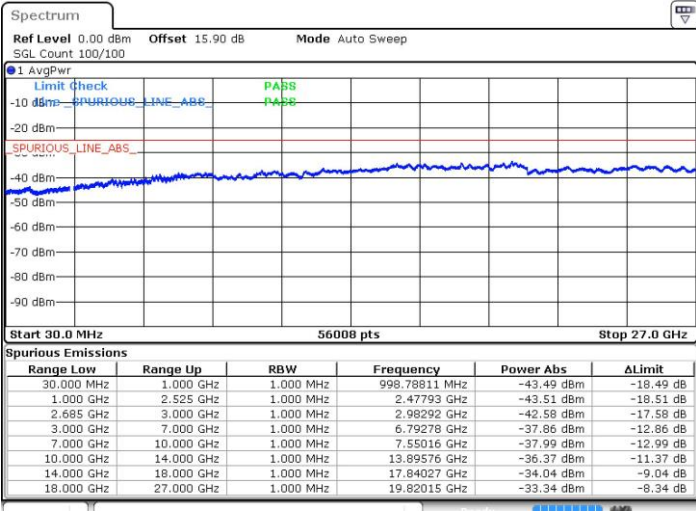
Date: 2.SEP.2018 15:32:55



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

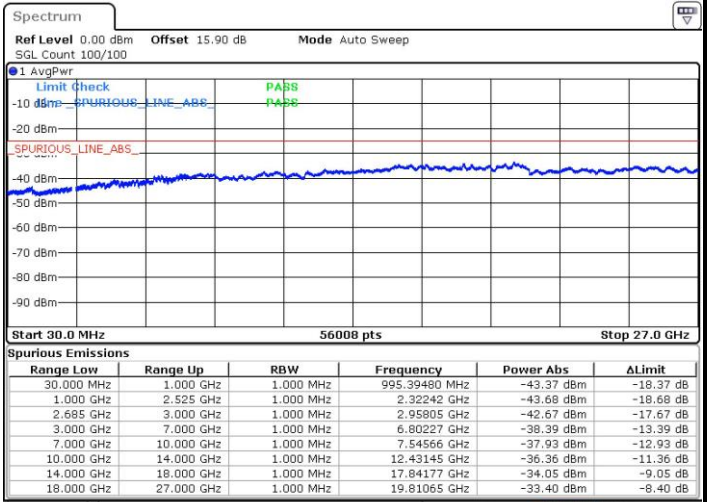
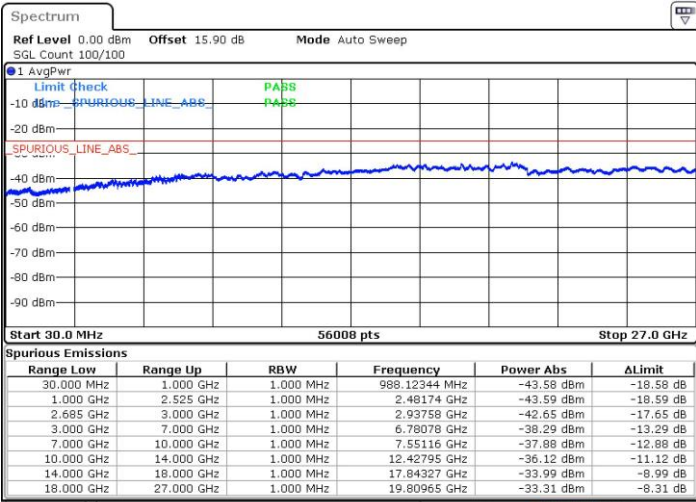


Date: 2.SEP.2018 15:33:46

Date: 2.SEP.2018 15:34:38

Middle Channel / QPSK

Middle Channel / 16QAM



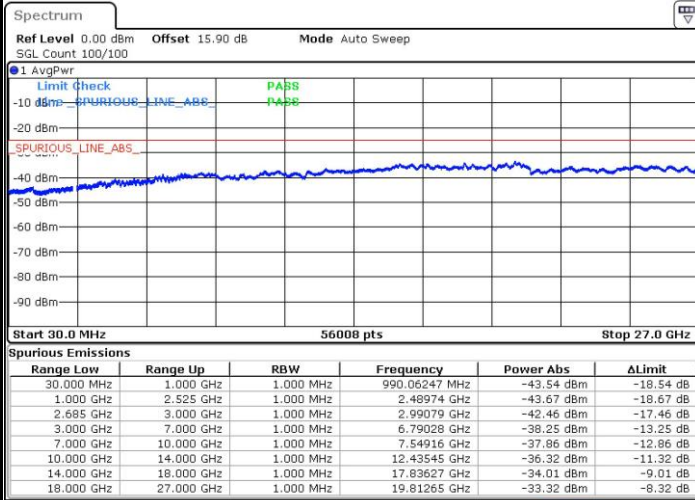
Date: 2.SEP.2018 15:35:29

Date: 2.SEP.2018 15:36:21



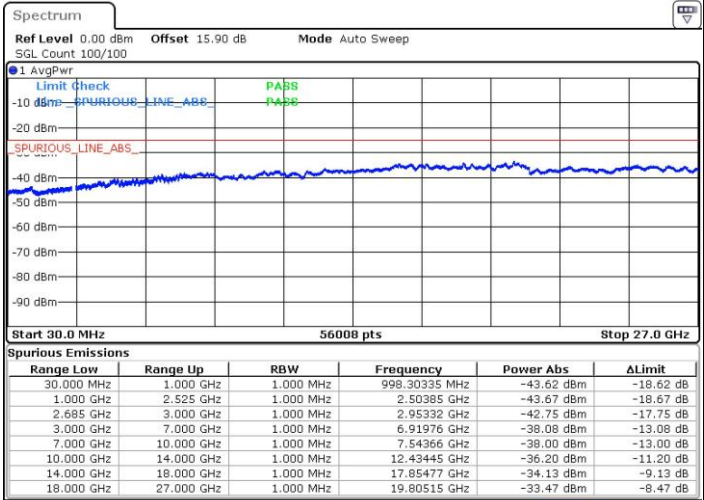
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 2.SEP.2018 15:37:12

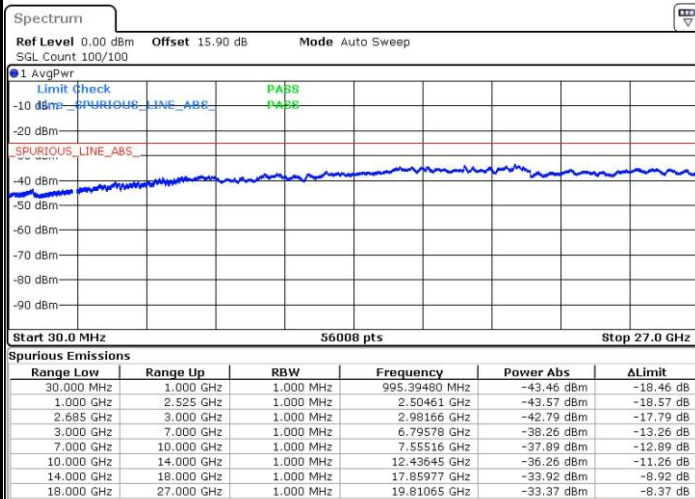
Highest Channel / 16QAM



Date: 2.SEP.2018 15:38:04

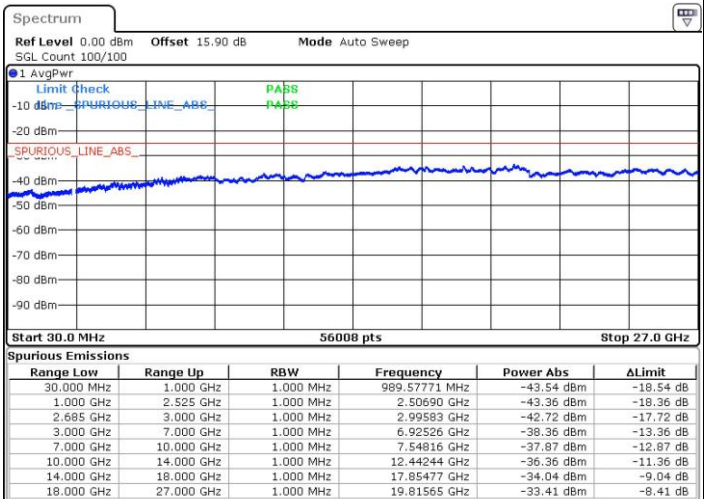
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 2.SEP.2018 15:38:55

Lowest Channel / 16QAM



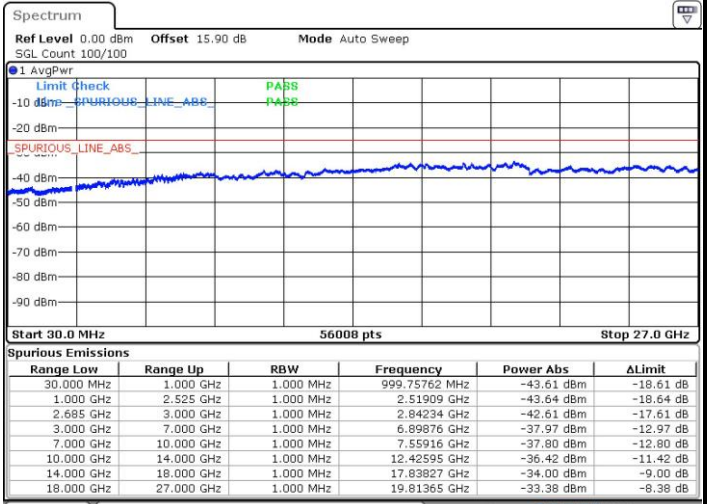
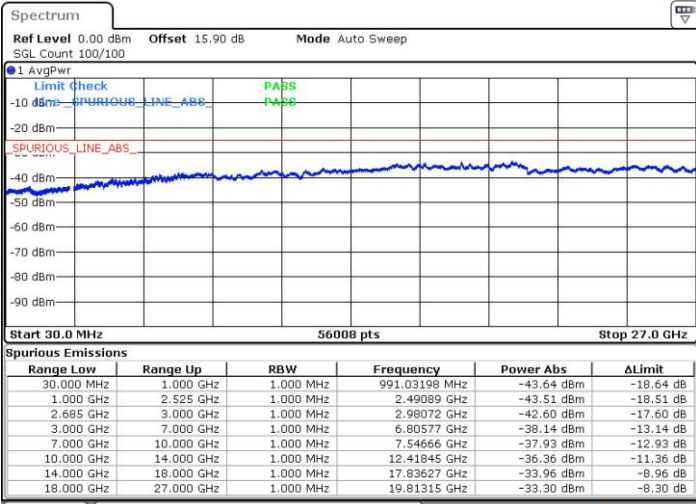
Date: 2.SEP.2018 15:38:46



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

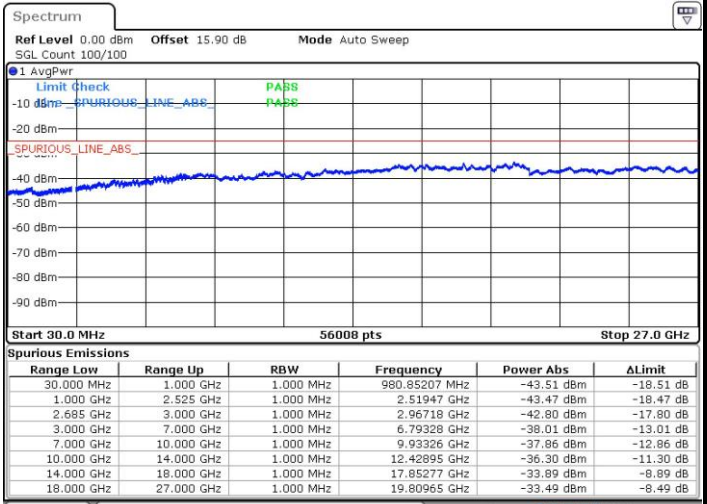
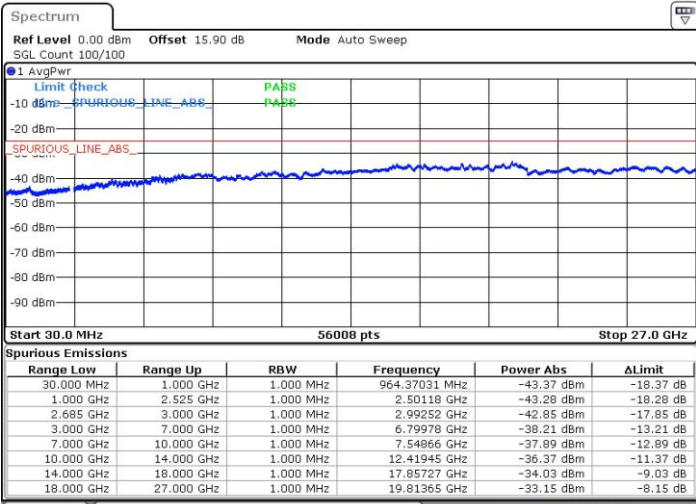


Date: 2.SEP.2018 15:55:32

Date: 2.SEP.2018 15:56:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2.SEP.2018 15:57:15

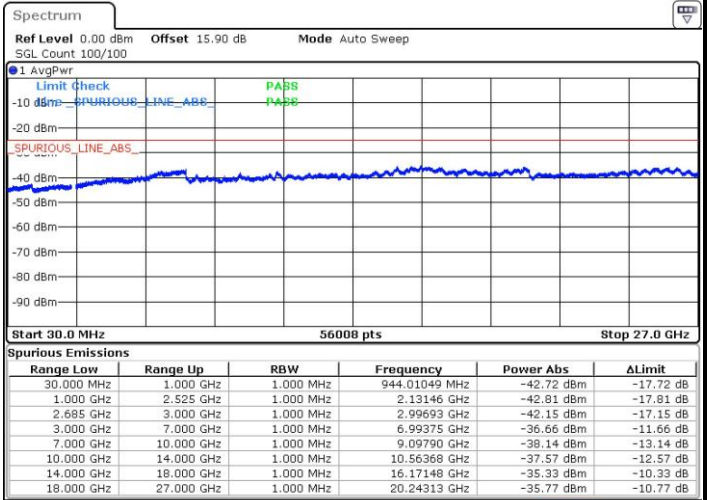
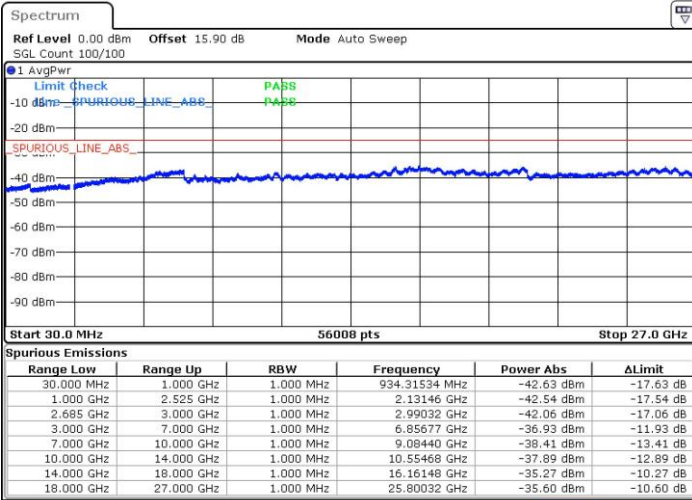
Date: 2.SEP.2018 15:58:07



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

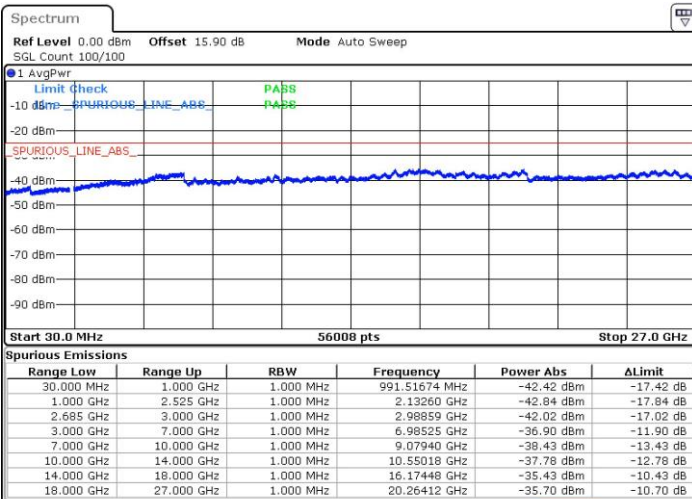
Middle Channel / 64QAM



Date: 13 NOV.2018 23:38:16

Date: 13 NOV.2018 23:39:17

Highest Channel / 64QAM



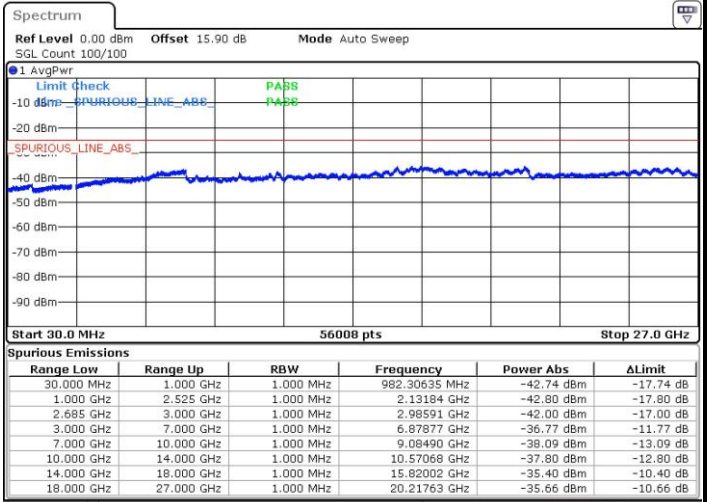
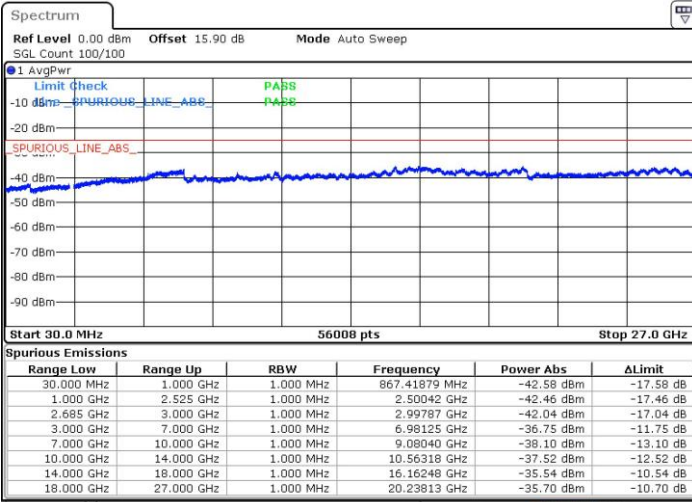
Date: 13 NOV.2018 23:40:17



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

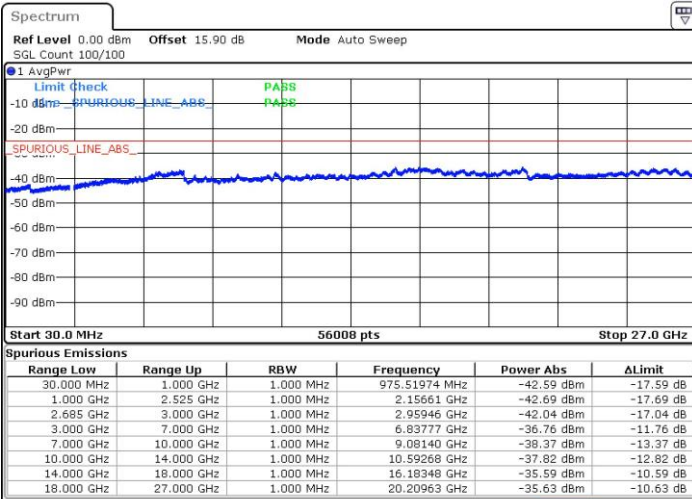
Middle Channel / 64QAM



Date: 13.NOV.2018 23:41:19

Date: 13.NOV.2018 23:42:19

Highest Channel / 64QAM



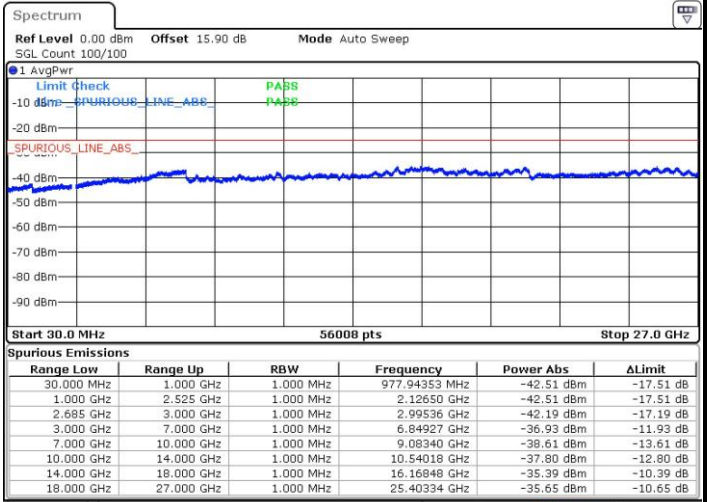
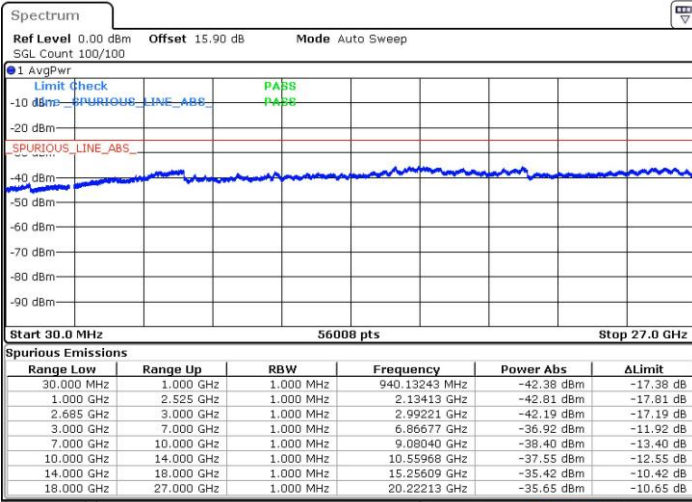
Date: 13.NOV.2018 23:43:20



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

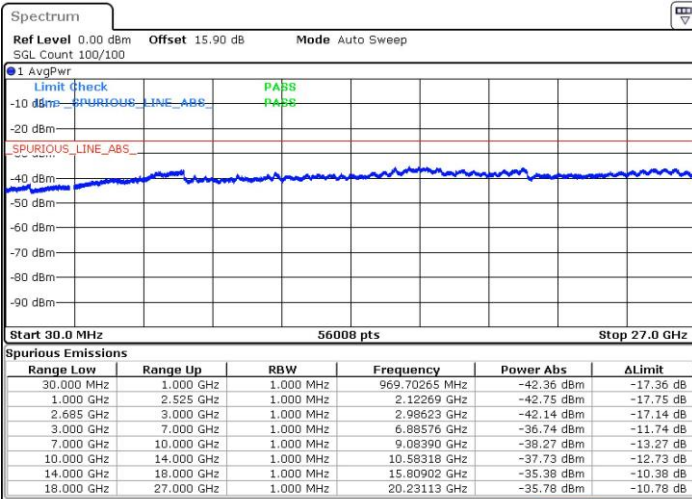
Middle Channel / 64QAM



Date: 13 NOV.2018 23:44:21

Date: 13 NOV.2018 23:45:22

Highest Channel / 64QAM



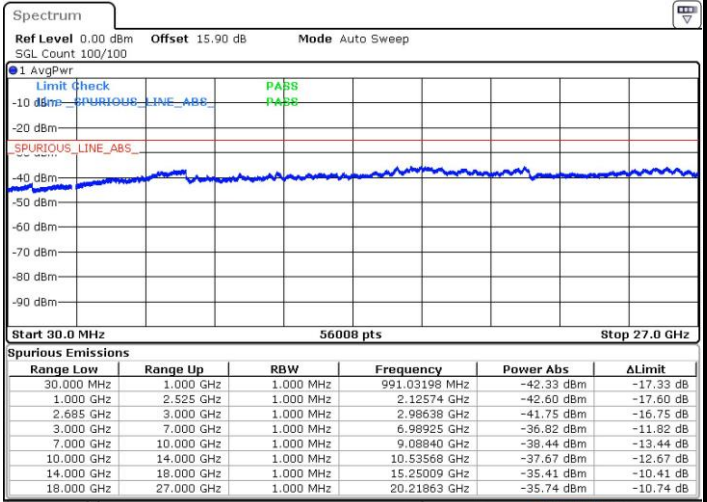
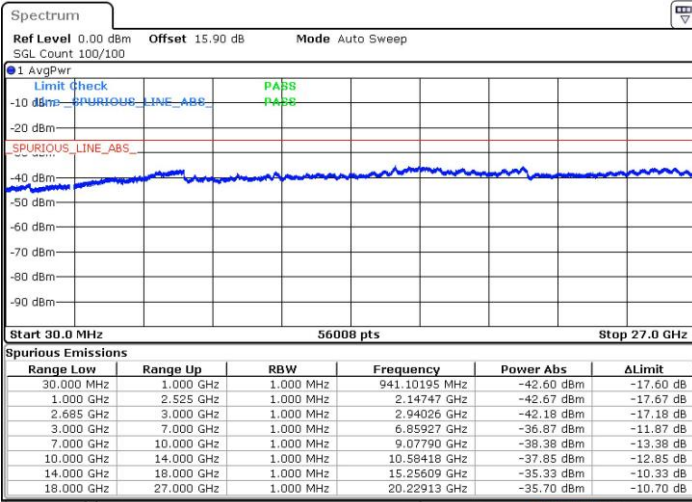
Date: 13 NOV.2018 23:46:22



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

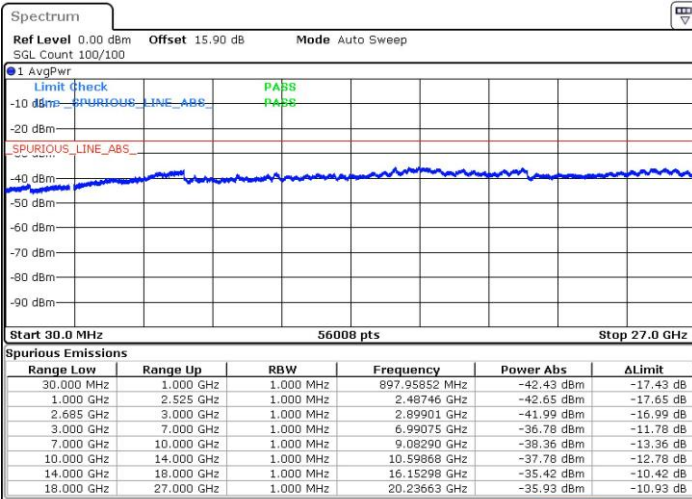
Middle Channel / 64QAM



Date: 13 NOV.2018 23:47:23

Date: 13 NOV.2018 23:48:24

Highest Channel / 64QAM



Date: 13 NOV.2018 23:49:24



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	0.0052	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0069	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 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 = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	21.81	0.1517	20.31	0.1074
Middle		3	3	21.87	0.1538	20.37	0.1089
Highest		3	3	22.03	0.1596	20.53	0.1130
Lowest	16QAM	1	3	21.24	0.1330	19.74	0.0942
Middle		1	3	21.29	0.1346	19.79	0.0953
Highest		1	3	21.34	0.1361	19.84	0.0964
Lowest	64QAM	1	3	20.17	0.1040	18.67	0.0736
Middle		1	3	20.22	0.1052	18.72	0.0745
Highest		1	3	20.31	0.1074	18.81	0.0760
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.98	0.1578	20.48	0.1117
Middle		1	0	21.98	0.1578	20.48	0.1117
Highest		1	0	22.05	0.1603	20.55	0.1135
Lowest	16QAM	1	0	21.34	0.1361	19.84	0.0964
Middle		1	0	21.29	0.1346	19.79	0.0953
Highest		1	0	21.43	0.1390	19.93	0.0984
Lowest	64QAM	1	8	20.22	0.1052	18.72	0.0745
Middle		1	8	20.32	0.1076	18.82	0.0762
Highest		1	8	20.38	0.1091	18.88	0.0773
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	21.77	0.1503	20.27	0.1064
Middle		1	24	21.84	0.1528	20.34	0.1081
Highest		1	24	22.04	0.1600	20.54	0.1132
Lowest	16QAM	1	0	21.16	0.1306	19.66	0.0925
Middle		1	0	21.30	0.1349	19.80	0.0955
Highest		1	0	21.46	0.1400	19.96	0.0991
Lowest	64QAM	1	0	20.15	0.1035	18.65	0.0733
Middle		1	0	20.22	0.1052	18.72	0.0745
Highest		1	0	20.43	0.1104	18.93	0.0782
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	21.83	0.1524	20.33	0.1079
Middle		1	49	21.90	0.1549	20.40	0.1096
Highest		1	49	22.04	0.1600	20.54	0.1132
Lowest	16QAM	1	25	21.19	0.1315	19.69	0.0931
Middle		1	25	21.29	0.1346	19.79	0.0953
Highest		1	25	21.46	0.1400	19.96	0.0991
Lowest	64QAM	1	25	20.13	0.1030	18.63	0.0729
Middle		1	25	20.23	0.1054	18.73	0.0746
Highest		1	25	20.43	0.1104	18.93	0.0782
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	21.77	0.1503	20.27	0.1064
Middle		1	74	21.93	0.1560	20.43	0.1104
Highest		1	74	22.02	0.1592	20.52	0.1127
Lowest	16QAM	1	37	21.19	0.1315	19.69	0.0931
Middle		1	37	21.31	0.1352	19.81	0.0957
Highest		1	37	21.42	0.1387	19.92	0.0982
Lowest	64QAM	1	37	20.13	0.1030	18.63	0.0729
Middle		1	37	20.23	0.1054	18.73	0.0746
Highest		1	37	20.36	0.1086	18.86	0.0769
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -1.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.01	0.1589	20.51	0.1125
Middle		1	99	21.99	0.1581	20.49	0.1119
Highest		1	99	22.06	0.1607	20.56	0.1138
Lowest	16QAM	1	99	21.45	0.1396	19.95	0.0989
Middle		1	99	21.35	0.1365	19.85	0.0966
Highest		1	99	21.37	0.1371	19.87	0.0971
Lowest	64QAM	1	49	20.25	0.1059	18.75	0.0750
Middle		1	49	20.23	0.1054	18.73	0.0746
Highest		1	49	20.40	0.1096	18.90	0.0776
Limit	EIRP < 2W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -3.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.61	0.2296	17.86	0.0611
Middle		1	3	23.59	0.2286	17.84	0.0608
Highest		1	3	23.63	0.2307	17.88	0.0614
Lowest	16QAM	1	3	22.99	0.1991	17.24	0.0530
Middle		1	3	22.96	0.1977	17.21	0.0526
Highest		1	3	22.16	0.1644	16.41	0.0438
Lowest	64QAM	1	3	22.00	0.1585	16.25	0.0422
Middle		1	3	21.95	0.1567	16.20	0.0417
Highest		1	3	21.69	0.1476	15.94	0.0393
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -3.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	23.59	0.2286	17.84	0.0608
Middle		1	14	23.49	0.2234	17.74	0.0594
Highest		1	14	23.62	0.2301	17.87	0.0612
Lowest	16QAM	1	0	23.00	0.1995	17.25	0.0531
Middle		1	0	22.94	0.1968	17.19	0.0524
Highest		1	0	22.70	0.1862	16.95	0.0495
Lowest	64QAM	1	0	21.98	0.1578	16.23	0.0420
Middle		1	0	21.95	0.1567	16.20	0.0417
Highest		1	0	21.70	0.1479	15.95	0.0394
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -3.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.68	0.2333	17.93	0.0621
Middle		1	0	23.65	0.2317	17.90	0.0617
Highest		1	0	23.63	0.2307	17.88	0.0614
Lowest	16QAM	1	0	23.02	0.2004	17.27	0.0533
Middle		1	0	22.99	0.1991	17.24	0.0530
Highest		1	0	22.79	0.1901	17.04	0.0506
Lowest	64QAM	1	12	22.01	0.1589	16.26	0.0423
Middle		1	12	21.98	0.1578	16.23	0.0420
Highest		1	12	21.75	0.1496	16.00	0.0398
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -3.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.73	0.2360	17.98	0.0628
Middle		1	0	23.67	0.2328	17.92	0.0619
Highest		1	0	23.65	0.2317	17.90	0.0617
Lowest	16QAM	1	49	23.06	0.2023	17.31	0.0538
Middle		1	49	22.89	0.1945	17.14	0.0518
Highest		1	49	22.69	0.1858	16.94	0.0494
Lowest	64QAM	1	49	22.04	0.1600	16.29	0.0426
Middle		1	49	21.88	0.1542	16.13	0.0410
Highest		1	49	21.73	0.1489	15.98	0.0396
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.70	0.2344	22.10	0.1622
Middle		1	24	23.84	0.2421	22.24	0.1675
Highest		1	24	23.87	0.2438	22.27	0.1687
Lowest	16QAM	1	24	23.05	0.2018	21.45	0.1396
Middle		1	24	23.23	0.2104	21.63	0.1455
Highest		1	24	23.14	0.2061	21.54	0.1426
Lowest	64QAM	1	24	22.04	0.1600	20.44	0.1107
Middle		1	24	22.12	0.1629	20.52	0.1127
Highest		1	24	22.14	0.1637	20.54	0.1132
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.66	0.2323	22.06	0.1607
Middle		1	49	23.89	0.2449	22.29	0.1694
Highest		1	49	23.94	0.2477	22.34	0.1714
Lowest	16QAM	1	49	23.13	0.2056	21.53	0.1422
Middle		1	49	23.27	0.2123	21.67	0.1469
Highest		1	49	23.20	0.2089	21.60	0.1445
Lowest	64QAM	1	49	22.15	0.1641	20.55	0.1135
Middle		1	49	22.19	0.1656	20.59	0.1146
Highest		1	49	22.21	0.1663	20.61	0.1151
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.07	0.2028	21.47	0.1403
Middle		1	74	23.98	0.2500	22.38	0.1730
Highest		1	74	24.00	0.2512	22.40	0.1738
Lowest	16QAM	1	74	22.58	0.1811	20.98	0.1253
Middle		1	74	23.32	0.2148	21.72	0.1486
Highest		1	74	23.27	0.2123	21.67	0.1469
Lowest	64QAM	1	74	21.79	0.1510	20.19	0.1045
Middle		1	74	22.23	0.1671	20.63	0.1156
Highest		1	74	22.25	0.1679	20.65	0.1161
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	23.51	0.2244	21.91	0.1552
Middle		1	99	23.93	0.2472	22.33	0.1710
Highest		1	99	24.02	0.2523	22.42	0.1746
Lowest	16QAM	1	99	22.82	0.1914	21.22	0.1324
Middle		1	99	23.29	0.2133	21.69	0.1476
Highest		1	99	23.29	0.2133	21.69	0.1476
Lowest	64QAM	1	99	21.91	0.1552	20.31	0.1074
Middle		1	99	22.26	0.1683	20.66	0.1164
Highest		1	99	22.24	0.1675	20.64	0.1159
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.01	0.2518	22.41	0.1742
Middle		1	0	23.98	0.2500	22.38	0.1730
Highest		1	0	24.09	0.2564	22.49	0.1774
Lowest	16QAM	1	12	23.18	0.2080	21.58	0.1439
Middle		1	12	22.97	0.1982	21.37	0.1371
Highest		1	12	23.05	0.2018	21.45	0.1396
Lowest	64QAM	1	12	21.82	0.1521	20.22	0.1052
Middle		1	12	21.59	0.1442	19.99	0.0998
Highest		1	12	21.79	0.1510	20.19	0.1045
Limit	EIRP < 2W		Result		PASS		

LTE Band 41 / 10MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	24.22	0.2642	22.62	0.1828
Middle		1	25	23.82	0.2410	22.22	0.1667
Highest		1	25	24.05	0.2541	22.45	0.1758
Lowest	16QAM	1	49	23.28	0.2128	21.68	0.1472
Middle		1	49	22.76	0.1888	21.16	0.1306
Highest		1	49	23.39	0.2183	21.79	0.1510
Lowest	64QAM	1	49	22.50	0.1778	20.90	0.1230
Middle		1	49	22.22	0.1667	20.62	0.1153
Highest		1	49	22.50	0.1778	20.90	0.1230
Limit	EIRP < 2W		Result		PASS		

LTE Band 41 / 15MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	24.15	0.2600	22.55	0.1799
Middle		1	74	23.89	0.2449	22.29	0.1694
Highest		1	74	24.01	0.2518	22.41	0.1742
Lowest	16QAM	1	37	23.28	0.2128	21.68	0.1472
Middle		1	37	22.90	0.1950	21.30	0.1349
Highest		1	37	23.19	0.2084	21.59	0.1442
Lowest	64QAM	1	0	22.50	0.1778	20.90	0.1230
Middle		1	0	22.15	0.1641	20.55	0.1135
Highest		1	0	22.44	0.1754	20.84	0.1213
Limit	EIRP < 2W		Result		PASS		



LTE Band 41 / 20MHz (Average) (GT - LC = -1.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.16	0.2606	22.56	0.1803
Middle		1	0	23.80	0.2399	22.20	0.1660
Highest		1	0	24.10	0.2570	22.50	0.1778
Lowest	16QAM	1	0	23.26	0.2118	21.66	0.1466
Middle		1	0	22.97	0.1982	21.37	0.1371
Highest		1	0	23.19	0.2084	21.59	0.1442
Lowest	64QAM	1	49	22.49	0.1774	20.89	0.1227
Middle		1	49	22.18	0.1652	20.58	0.1143
Highest		1	49	22.44	0.1754	20.84	0.1213
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	3700	-41.08	-13	-28.08	-61.27	-52.29	1.41	12.62	H
	5555	-47.07	-13	-34.07	-72.32	-58.63	1.74	13.30	H
	7403	-38.56	-13	-25.56	-66.9	-47.88	1.94	11.26	H
	9258	-33.78	-13	-20.78	-64.07	-43.35	2.17	11.74	H
	11102	-38.98	-13	-25.98	-71.12	-47.40	2.61	11.02	H
									H
	3700	-46.96	-13	-33.96	-67.29	-58.17	1.41	12.62	V
	5555	-49.42	-13	-36.42	-74.19	-60.98	1.74	13.30	V
	7403	-42.78	-13	-29.78	-70.98	-52.10	1.94	11.26	V
	9258	-35.60	-13	-22.60	-66.96	-45.17	2.17	11.74	V
	11102	-37.91	-13	-24.91	-69.89	-46.33	2.61	11.02	V
									V
Middle	3742	-42.78	-13	-29.78	-63.11	-54.00	1.42	12.65	H
	5611	-43.87	-13	-30.87	-68.96	-55.43	1.74	13.30	H
	7487	-42.76	-13	-29.76	-70.76	-51.90	1.98	11.12	H
	9356	-34.66	-13	-21.66	-64.99	-44.10	2.20	11.64	H
	11225.5	-35.75	-13	-22.75	-68.09	-44.36	2.56	11.17	H
									H
	3742	-47.46	-13	-34.46	-67.97	-58.68	1.42	12.65	V
	5611	-46.99	-13	-33.99	-71.78	-58.55	1.74	13.30	V
	7487	-45.28	-13	-32.28	-73.25	-54.42	1.98	11.12	V
	9356	-36.12	-13	-23.12	-67.68	-45.56	2.20	11.64	V
	11225.5	-36.53	-13	-23.53	-68.71	-45.14	2.56	11.17	V
									V



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)
Highest	3784	-45.59	-13	-32.59	-66.11	-55.80	2.02	12.23	H
	5674	-46.50	-13	-33.50	-71.92	-56.83	2.11	12.44	H
	7564	-40.24	-13	-27.24	-67.91	-48.36	2.11	10.23	H
	9454	-38.10	-13	-25.10	-68.42	-47.81	2.14	11.86	H
									H
									H
									H
	3784	-49.10	-13	-36.10	-69.87	-59.31	2.02	12.23	V
	5674	-49.40	-13	-36.40	-74.33	-59.73	2.11	12.44	V
	7564	-42.60	-13	-29.60	-70.23	-50.72	2.11	10.23	V
	9454	-39.28	-13	-26.28	-70.91	-48.99	2.14	11.86	V
									V
									V
									V

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



LTE Band 5

LTE Band 5 / 20MHz / 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	-61.67	-13	-48.67	-72.9	-67.26	0.92	8.66	H	
	2472	-56.16	-13	-43.16	-72.18	-63.53	1.14	10.66	H	
	3296	-56.60	-13	-43.60	-74.33	-65.14	1.32	12.01	H	
										H
										H
										H
										H
	1648	-61.36	-13	-48.36	-72.05	-66.95	0.92	8.66	V	
	2472	-56.63	-13	-43.63	-72.83	-64.00	1.14	10.66	V	
	3296	-56.41	-13	-43.41	-74.6	-64.95	1.32	12.01	V	
										V
										V
										V
										V
Middle	1664	-60.47	-13	-47.47	-71.75	-66.12	0.93	8.72	H	
	2496	-56.93	-13	-43.93	-72.97	-64.33	1.15	10.69	H	
	3328	-56.87	-13	-43.87	-74.51	-65.48	1.33	12.09	H	
										H
										H
										H
										H
	1664	-59.52	-13	-46.52	-70.2	-65.17	0.93	8.72	V	
	2496	-56.35	-13	-43.35	-72.61	-63.75	1.15	10.69	V	
	3328	-55.65	-13	-42.65	-73.75	-64.26	1.33	12.09	V	
										V
										V
										V
										V



LTE Band 5 / 20MHz / 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)
Highest	1680	-61.66	-13	-48.66	-73	-67.36	0.93	8.78	H
	2520	-53.94	-13	-40.94	-69.98	-61.36	1.15	10.72	H
	3360	-56.92	-13	-43.92	-74.48	-65.60	1.33	12.16	H
									H
									H
									H
									H
	1680	-61.85	-13	-48.85	-72.53	-67.55	0.93	8.78	V
	2520	-56.68	-13	-43.68	-72.9	-64.10	1.15	10.72	V
	3360	-56.14	-13	-43.14	-74.14	-64.82	1.33	12.16	V
									V
									V
									V
									V

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



LTE Band 7

LTE Band 7 / 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	4998	-46.96	-25	-21.96	-70.96	-57.95	1.61	12.60	H	
	7500	-44.74	-25	-19.74	-72.74	-53.85	1.99	11.10	H	
	9999	-34.68	-25	-9.68	-65.57	-43.58	2.40	11.30	H	
	12501	-40.34	-25	-15.34	-73.83	-51.75	2.69	14.10	H	
										H
										H
										H
	4998	-46.65	-25	-21.65	-70.2	-57.64	1.61	12.60	V	
	7500	-40.07	-25	-15.07	-68.04	-49.18	1.99	11.10	V	
	9999	-30.27	-25	-5.27	-61.96	-39.17	2.40	11.30	V	
	12501	-38.84	-25	-13.84	-73.58	-50.25	2.69	14.10	V	
										V
										V
										V
Middle	5064	-47.95	-25	-22.95	-71.97	-59.01	1.63	12.69	H	
	7596	-45.39	-25	-20.39	-72.89	-54.51	2.00	11.12	H	
	10134	-37.12	-25	-12.12	-68.29	-45.92	2.40	11.19	H	
	12663	-39.98	-25	-14.98	-73.97	-51.19	2.73	13.94	H	
										H
										H
										H
	5064	-47.54	-25	-22.54	-71.2	-58.60	1.63	12.69	V	
	7596	-43.25	-25	-18.25	-70.7	-52.37	2.00	11.12	V	
	10134	-30.82	-25	-5.82	-62.5	-39.62	2.40	11.19	V	
	12663	-36.87	-25	-11.87	-72.18	-48.08	2.73	13.94	V	
										V
										V
										V



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)
Highest	5130	-49.81	-25	-24.81	-73.84	-60.95	1.64	12.78	H
	7698	-45.60	-25	-20.60	-73.06	-54.72	2.02	11.14	H
	10260	-36.68	-25	-11.68	-68.13	-45.38	2.39	11.09	H
	12825	-39.45	-25	-14.45	-73.99	-50.46	2.76	13.78	H
									H
									H
									H
	5130	-50.12	-25	-25.12	-73.9	-61.26	1.64	12.78	V
	7698	-44.04	-25	-19.04	-71.33	-53.16	2.02	11.14	V
	10260	-31.67	-25	-6.67	-63.34	-40.37	2.39	11.09	V
	12825	-36.81	-25	-11.81	-72.76	-47.82	2.76	13.78	V
									V
									V
									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	-48.45	-25	-23.45	-72.46	-59.44	1.61	12.61	H
	7500	-40.42	-25	-15.42	-68.42	-49.53	1.99	11.10	H
	9999	-34.67	-25	-9.67	-65.56	-43.57	2.40	11.30	H
	12501	-40.16	-25	-15.16	-73.65	-51.57	2.69	14.10	H
									H
									H
									H
	5004	-47.69	-25	-22.69	-71.27	-58.68	1.61	12.61	V
	7500	-32.55	-25	-7.55	-60.52	-41.66	1.99	11.10	V
	9999	-30.30	-25	-5.30	-61.99	-39.20	2.40	11.30	V
	12501	-37.64	-25	-12.64	-72.38	-49.05	2.69	14.10	V
									V
									V
									V
Middle	5064	-48.24	-25	-23.24	-72.26	-59.30	1.63	12.69	H
	7590	-42.31	-25	-17.31	-69.83	-51.43	2.00	11.12	H
	10125	-40.00	-25	-15.00	-71.18	-48.80	2.40	11.20	H
	12654	-39.92	-25	-14.92	-73.91	-51.14	2.72	13.95	H
									H
									H
									H
	5064	-49.34	-25	-24.34	-73	-60.40	1.63	12.69	V
	7590	-35.50	-25	-10.50	-62.97	-44.62	2.00	11.12	V
	10125	-34.56	-25	-9.56	-66.25	-43.36	2.40	11.20	V
	12654	-37.82	-25	-12.82	-73.13	-49.04	2.72	13.95	V
									V
									V
									V



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)
Highest	5124	-48.63	-25	-23.63	-72.66	-59.76	1.64	12.77	H
	7680	-42.26	-25	-17.26	-69.74	-51.38	2.02	11.14	H
	10242	-35.43	-25	-10.43	-66.84	-44.14	2.40	11.11	H
	12798	-39.06	-25	-14.06	-73.49	-50.11	2.76	13.80	H
									H
									H
									H
	5124	-48.74	-25	-23.74	-72.52	-59.87	1.64	12.77	V
	7680	-43.20	-25	-18.20	-70.52	-52.32	2.02	11.14	V
	10242	-30.62	-25	-5.62	-62.29	-39.33	2.40	11.11	V
	12798	-36.49	-25	-11.49	-72.31	-47.54	2.76	13.80	V
									V
									V
									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	5004	-48.35	-25	-23.35	-72.36	-59.34	1.61	12.61	H
	7500	-38.65	-25	-13.65	-66.65	-47.76	1.99	11.10	H
	9999	-35.83	-25	-10.83	-66.72	-44.73	2.40	11.30	H
									H
									H
									H
									H
	5004	-47.02	-25	-22.02	-70.6	-58.01	1.61	12.61	V
	7500	-34.12	-25	-9.12	-62.09	-43.23	1.99	11.10	V
	9999	-36.40	-25	-11.40	-68.09	-45.30	2.40	11.30	V
									V
									V
									V
									V
Middle	5058	-46.93	-25	-21.93	-70.95	-57.99	1.63	12.68	H
	7584	-45.29	-25	-20.29	-72.9	-54.41	2.00	11.12	H
	10116	-36.20	-25	-11.20	-67.35	-45.01	2.40	11.21	H
	12645	-39.78	-25	-14.78	-73.71	-51.01	2.72	13.96	H
									H
									H
									H
	5058	-46.62	-25	-21.62	-70.28	-57.68	1.63	12.68	V
	7584	-43.24	-25	-18.24	-70.8	-52.36	2.00	11.12	V
	10116	-31.21	-25	-6.21	-62.9	-40.02	2.40	11.21	V
	12645	-35.65	-25	-10.65	-70.9	-46.88	2.72	13.96	V
									V
									V
									V
								V	



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)
Highest	5112	-48.92	-25	-23.92	-72.95	-60.04	1.64	12.76	H
	7668	-38.40	-25	-13.40	-65.89	-47.52	2.01	11.13	H
	10224	-38.60	-25	-13.60	-69.97	-47.33	2.40	11.12	H
									H
									H
									H
									H
	5112	-48.02	-25	-23.02	-71.77	-59.14	1.64	12.76	V
	7668	-32.60	-25	-7.60	-59.95	-41.72	2.01	11.13	V
	10224	-33.56	-25	-8.56	-65.22	-42.29	2.40	11.12	V
									V
									V
									V
									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	5004	-48.12	-25	-23.12	-72.13	-59.11	1.61	12.61	H
	7506	-41.21	-25	-16.21	-69.12	-50.32	1.99	11.10	H
	10008	-35.87	-25	-10.87	-66.8	-44.76	2.40	11.29	H
	12510	-40.59	-25	-15.59	-74.08	-51.99	2.69	14.09	H
									H
									H
									H
	5004	-45.90	-25	-20.90	-69.48	-56.89	1.61	12.61	V
	7506	-35.46	-25	-10.46	-63.34	-44.57	1.99	11.10	V
	10008	-29.94	-25	-4.94	-61.64	-38.83	2.40	11.29	V
	12510	-35.83	-25	-10.83	-70.57	-47.23	2.69	14.09	V
									V
									V
									V
Middle	5052	-47.59	-25	-22.59	-71.6	-58.64	1.62	12.67	H
	7578	-42.80	-25	-17.80	-70.39	-51.91	2.00	11.12	H
	10107	-33.07	-25	-8.07	-64.22	-41.89	2.40	11.21	H
	12627	-39.72	-25	-14.72	-73.6	-50.98	2.72	13.97	H
									H
									H
									H
	5052	-44.79	-25	-19.79	-68.42	-55.84	1.62	12.67	V
	7578	-35.79	-25	-10.79	-63.33	-44.90	2.00	11.12	V
	10107	-28.57	-25	-3.57	-60.26	-37.39	2.40	11.21	V
	12627	-36.10	-25	-11.10	-71.29	-47.36	2.72	13.97	V
									V
									V
									V



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)
Highest	5100	-47.21	-25	-22.21	-71.38	-54.52	2.39	9.70	H
	7656	-36.57	-25	-11.57	-64.25	-46.08	2.38	11.89	H
	10206	-43.36	-25	-18.36	-75.54	-52.95	2.70	12.28	H
									H
									H
									H
									H
	5100	-47.27	-25	-22.27	-71.26	-54.58	2.39	9.70	V
	7656	-35.75	-25	-10.75	-63.7	-45.26	2.38	11.89	V
	10206	-43.11	-25	-18.11	-66.57	-52.7	2.70	12.28	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 / 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	5111	-45.68	-25	-20.68	-69.71	-56.80	1.64	12.76	H
	7666	-44.30	-25	-19.30	-71.79	-53.42	2.01	11.13	H
	10221	-43.16	-25	-18.16	-74.49	-51.89	2.40	11.12	H
									H
									H
									H
									H
	5111	-46.10	-25	-21.10	-69.85	-57.22	1.64	12.76	V
	7666	-41.47	-25	-16.47	-68.82	-50.59	2.01	11.13	V
	10221	-40.12	-25	-15.12	-71.78	-48.85	2.40	11.12	V
									V
									V
									V
									V
Middle	5206	-48.58	-25	-23.58	-72.63	-59.80	1.66	12.89	H
	7808	-46.12	-25	-21.12	-73.54	-55.25	2.03	11.16	H
	10411	-41.95	-25	-16.95	-73.7	-50.53	2.39	10.97	H
									H
									H
									H
									H
	5206	-48.66	-25	-23.66	-72.55	-59.88	1.66	12.89	V
	7808	-45.49	-25	-20.49	-72.61	-54.62	2.03	11.16	V
	10411	-41.60	-25	-16.60	-73.24	-50.18	2.39	10.97	V
									V
									V
									V
									V



LTE Band 41 / 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)
Highest	5301	-41.77	-25	-16.77	-66.15	-53.10	1.69	13.02	H
	7905	-45.22	-25	-20.22	-73.51	-54.35	2.05	11.18	H
	10601	-35.88	-25	-10.88	-67.82	-44.34	2.44	10.90	H
									H
									H
									H
									H
	5301	-41.44	-25	-16.44	-65.53	-52.77	1.69	13.02	V
	7905	-40.69	-25	-15.69	-68.8	-49.82	2.05	11.18	V
	10601	-32.43	-25	-7.43	-64.11	-40.89	2.44	10.90	V
									V
									V
									V
									V

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



LTE Band 41 / 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	5111	-45.44	-25	-20.44	-69.47	-56.56	1.64	12.76	H
	7667	-43.24	-25	-18.24	-70.73	-52.36	2.01	11.13	H
	10222	-41.98	-25	-16.98	-73.31	-50.71	2.40	11.12	H
									H
									H
									H
									H
	5111	-45.76	-25	-20.76	-69.51	-56.88	1.64	12.76	V
	7667	-41.56	-25	-16.56	-68.91	-50.68	2.01	11.13	V
	10222	-40.33	-25	-15.33	-71.99	-49.06	2.40	11.12	V
									V
									V
									V
									V
Middle	5201	-48.80	-25	-23.80	-72.85	-60.02	1.66	12.88	H
	7802	-46.93	-25	-21.93	-74.34	-56.06	2.03	11.16	H
	10402	-40.83	-25	-15.83	-72.54	-49.42	2.39	10.98	H
									H
									H
									H
									H
	5201	-49.10	-25	-24.10	-72.99	-60.32	1.66	12.88	V
	7802	-45.53	-25	-20.53	-72.64	-54.66	2.03	11.16	V
	10402	-41.65	-25	-16.65	-73.28	-50.24	2.39	10.98	V
									V
									V
									V
									V



LTE Band 41 / 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)
Highest	5291	-39.82	-25	-14.82	-64.14	-51.14	1.69	13.01	H
	7937	-45.04	-25	-20.04	-73.24	-54.18	2.05	11.19	H
	10582	-39.78	-25	-14.78	-71.72	-48.25	2.43	10.90	H
									H
									H
									H
									H
	5291	-39.90	-25	-14.90	-63.95	-51.22	1.69	13.01	V
	7937	-41.80	-25	-16.80	-69.8	-50.94	2.05	11.19	V
	10582	-38.40	-25	-13.40	-70.07	-46.87	2.43	10.90	V
									V
									V
									V
									V

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



LTE Band 41 / 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	5112	-47.63	-25	-22.63	-71.66	-58.75	1.64	12.76	H
	7668	-44.19	-25	-19.19	-71.68	-53.31	2.01	11.13	H
	10224	-35.42	-25	-10.42	-66.79	-44.15	2.40	11.12	H
									H
									H
									H
									H
	5112	-45.81	-25	-20.81	-69.56	-56.93	1.64	12.76	V
	7668	-35.85	-25	-10.85	-63.2	-44.97	2.01	11.13	V
	10224	-32.56	-25	-7.56	-64.22	-41.29	2.40	11.12	V
									V
									V
									V
									V
Middle	5196	-49.21	-25	-24.21	-73.26	-60.42	1.66	12.87	H
	7794	-41.62	-25	-16.62	-69.04	-50.75	2.03	11.16	H
	10395	-39.28	-25	-14.28	-71	-47.87	2.39	10.98	H
									H
									H
									H
									H
	5196	-48.66	-25	-23.66	-72.55	-59.87	1.66	12.87	V
	7794	-42.14	-25	-17.14	-69.26	-51.27	2.03	11.16	V
	10395	-36.34	-25	-11.34	-67.98	-44.93	2.39	10.98	V
									V
									V
									V
									V



LTE Band 41 / 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)
Highest	5281	-40.71	-25	-15.71	-65.03	-52.02	1.68	12.99	H
	7922	-38.63	-25	-13.63	-66.74	-47.77	2.05	11.18	H
	10563	-36.05	-25	-11.05	-67.99	-44.53	2.42	10.90	H
									H
									H
									H
									H
	5281	-39.79	-25	-14.79	-63.84	-51.10	1.68	12.99	V
	7922	-34.38	-25	-9.38	-62.28	-43.52	2.05	11.18	V
	10563	-31.97	-25	-6.97	-63.63	-40.45	2.42	10.90	V
									V
									V
									V
									V

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



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	5112	-45.24	-25	-20.24	-69.27	-56.36	1.64	12.76	H
	7668	-42.48	-25	-17.48	-69.97	-51.60	2.01	11.13	H
	10224	-40.09	-25	-15.09	-71.46	-48.82	2.40	11.12	H
									H
									H
									H
									H
	5112	-45.46	-25	-20.46	-69.24	-56.58	1.64	12.76	V
	7668	-40.48	-25	-15.48	-67.83	-49.60	2.01	11.13	V
	10224	-37.53	-25	-12.53	-69.19	-46.26	2.40	11.12	V
									V
									V
									V
									V
Middle	5190	-47.54	-25	-22.54	-71.58	-58.75	1.66	12.87	H
	7788	-46.49	-25	-21.49	-73.91	-55.62	2.03	11.16	H
	10384	-38.09	-25	-13.09	-69.76	-46.69	2.39	10.99	H
									H
									H
									H
									H
	5190	-47.70	-25	-22.70	-71.56	-58.91	1.66	12.87	V
	7788	-44.77	-25	-19.77	-71.91	-53.90	2.03	11.16	V
	10384	-35.47	-25	-10.47	-67.11	-44.07	2.39	10.99	V
									V
									V
									V
									V



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)
Highest	5272	-43.40	-25	-18.40	-67.66	-54.70	1.68	12.98	H
	7908	-44.26	-25	-19.26	-72.26	-53.39	2.05	11.18	H
	10544	-31.78	-25	-6.78	-63.71	-40.27	2.41	10.90	H
									H
									H
									H
									H
	5272	-42.47	-25	-17.47	-66.49	-53.77	1.68	12.98	V
	7908	-39.67	-25	-14.67	-67.45	-48.80	2.05	11.18	V
	10544	-29.96	-25	-4.96	-61.61	-38.45	2.41	10.90	V
									V
									V
									V
									V

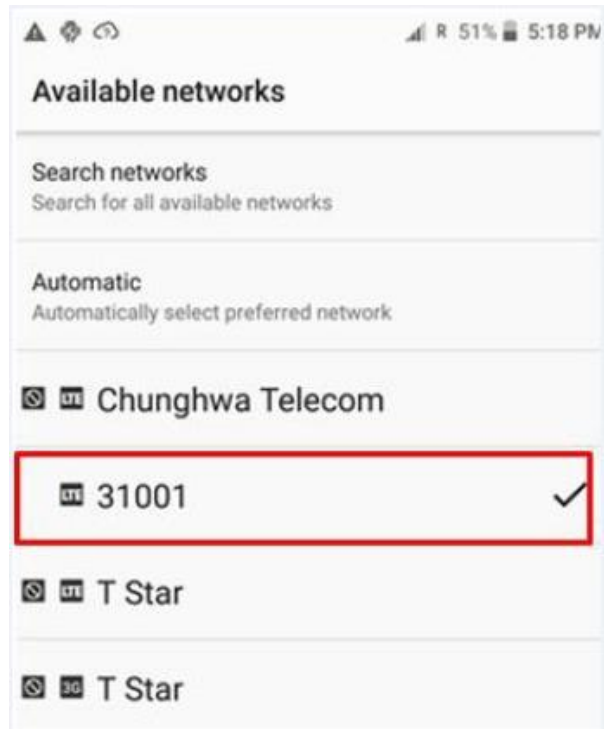
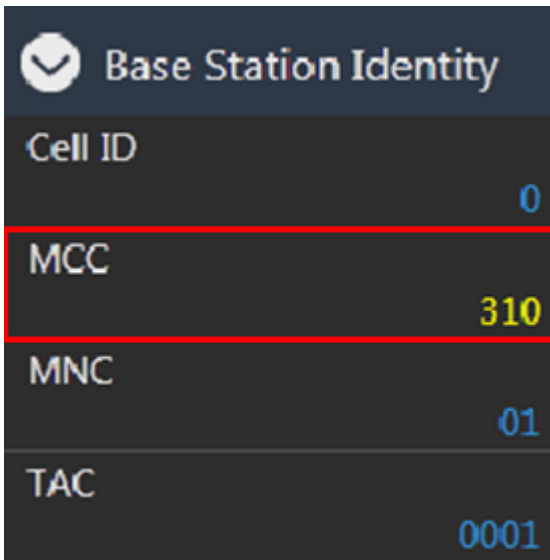
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



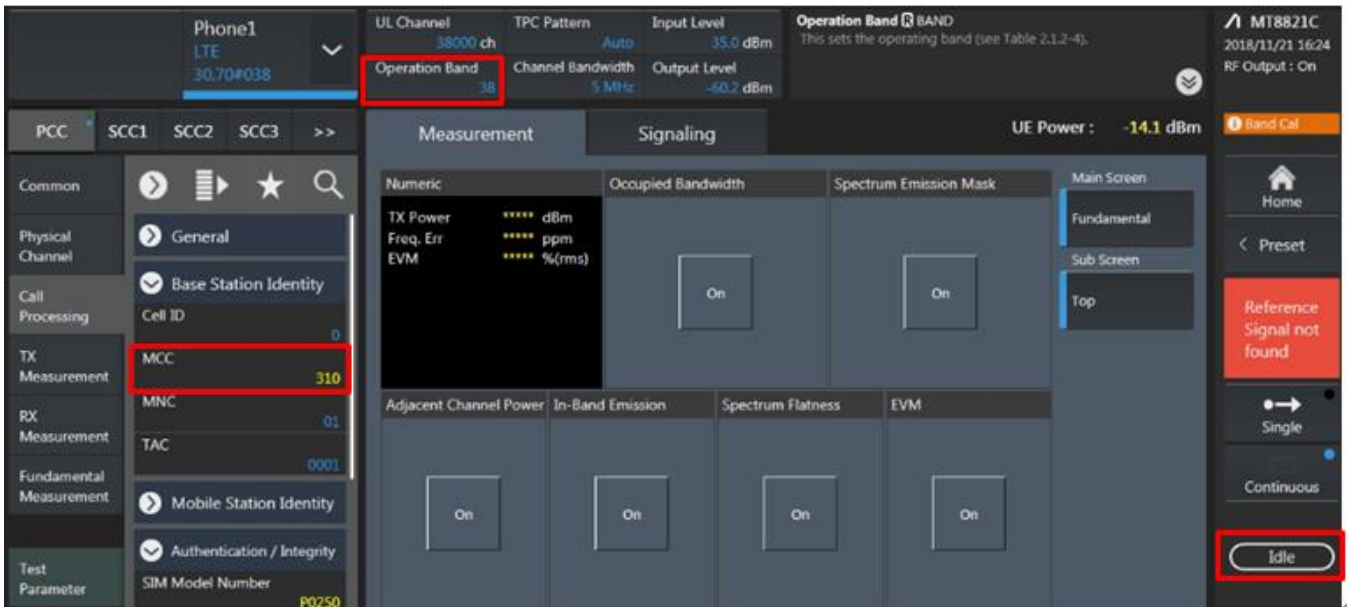
Verification and validation of Mobile Country Code

1. Base station configures US MCC, and sets B38 or B40

- Base station set US MCC & Sample registration information



2. UE cannot register B38





Verification and validation of Mobile Country Code

3. Base station configures US MCC, and sets other bands, UE can register, and call box show UE capability does not have B38/B40

LTE

Access Stratum Release: Rel12

UE Category: 4,6,9,11

UE Category DL: 11

UE Category UL: 5

Supported Band: 1,2,3,5,7,8,20,28,39,41

Band Combinations

DL CA Config	UL CA Config
3A	3A
28A	28A
1A	1A
7A	7A
8A	8A
20A	20A

4. Base station configures non-US MCC

Base Station Identity

Cell ID 0

MCC 466

MNC 92

TAC 0001



Verification and validation of Mobile Country Code

5. UE registration on, and call box show UE capability does have B38/B40

Phone1 LTE 30.70#038

UL Channel 18300 ch TPC Pattern Auto Input Level 35.0 dBm MNC [1x] MNC This sets MNC (Mobile Network Code) of LAI (Local Area Identification).

Operation Band 1 Channel Bandwidth 5 MHz Output Level -60.2 dBm

MT8821C 2018/11/20 17:10 RF Output: On

Measurement Signaling UE Power: 23.1 dBm

Common Physical Channel Call Processing TX Measurement RX Measurement Fundamental Measurement Test Parameter Band Definition External Loss

Base Station Identity Cell ID 0 MCC 466 MNC 92 TAC 0001

Mobile Station Identity Authentication / Integrity RMC Power Control BCCH / PCCH RACH / PUCCH SRS HARQ / CQI / RLC

Detail RRC [RRC1] UE Capability Information Viewer

LTE

Access Stratum Release: Rel12

UE Category: 4,6,9,11

UE Category DL: 11

UE Category UL: 5

Supported Band: 1,2,3,5,7,8,20,28,38,39,40,41

Band Combinations

DL CA Config	UL CA Config
7A	7A
28A	28A
1A	1A
3A	3A
8A	8A
20A	20A

DLInformationTransfer SECURITY MODE COMMAND 02:21:43.880 (00:00:010)

ULInformationTransfer SECURITY MODE COMPLETE 02:21:43.894 (00:00:014)

SecurityModeCommand 02:21:43.894 (00:00:000)

SecurityModeComplete 02:21:43.910 (00:00:016)

RRCConnReconfiguration 02:21:43.910 (00:00:000)

LTE

Access Stratum Release: Rel12

UE Category: 4,6,9,11

UE Category DL: 11

UE Category UL: 5

Supported Band: 1,2,3,5,7,8,20,28,38,39,40,41

Band Combinations

DL CA Config	UL CA Config
7A	7A
28A	28A
1A	1A
3A	3A
8A	8A
20A	20A