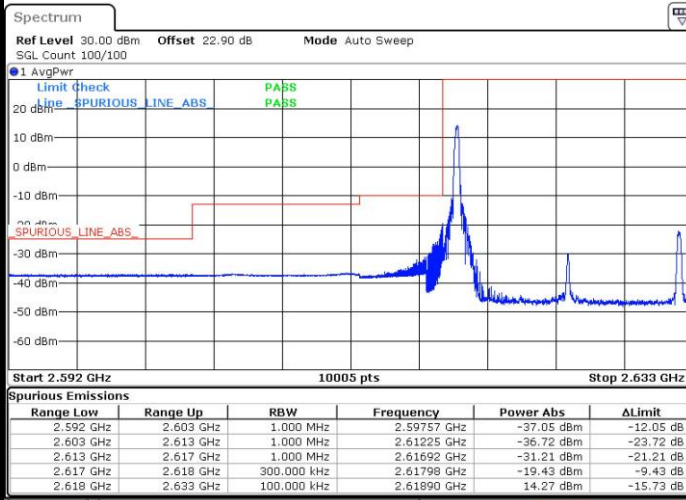


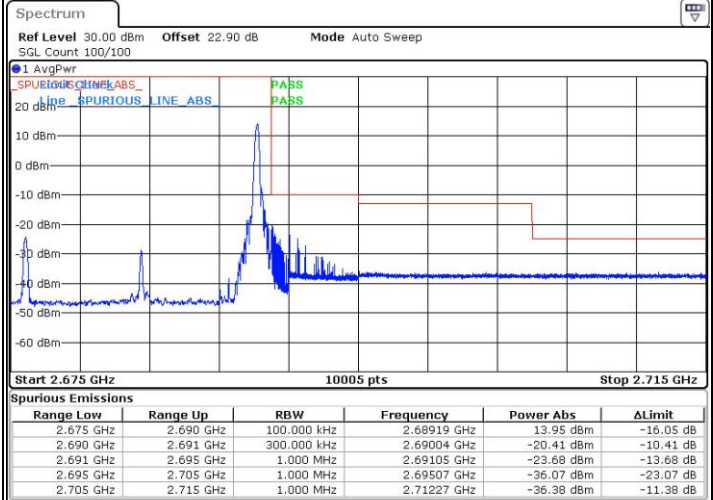


LTE Band 41 / 15MHz / 64QAM

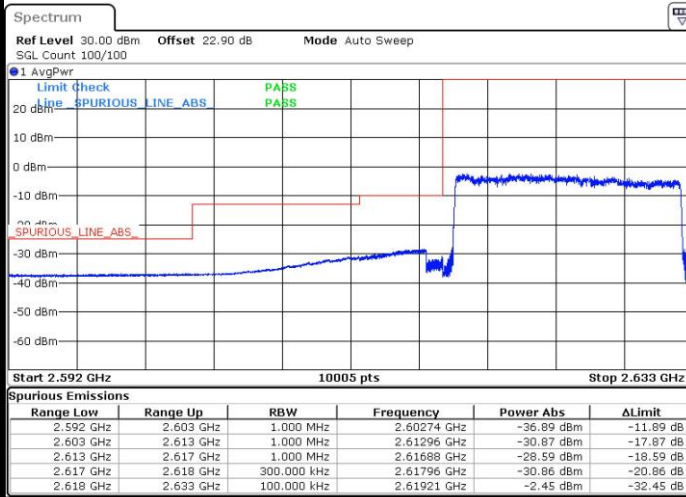
Lowest Band Edge / 1 RB



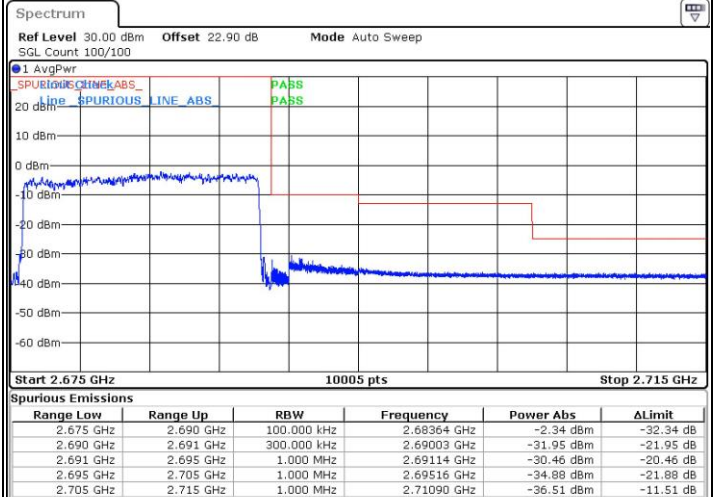
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



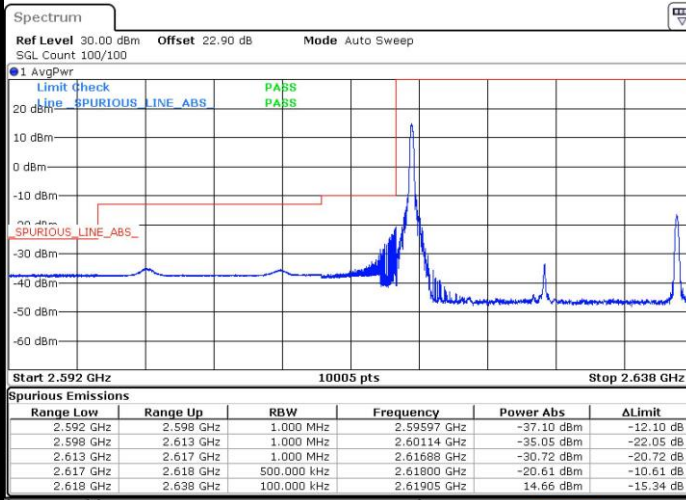
Highest Band Edge / Full RB



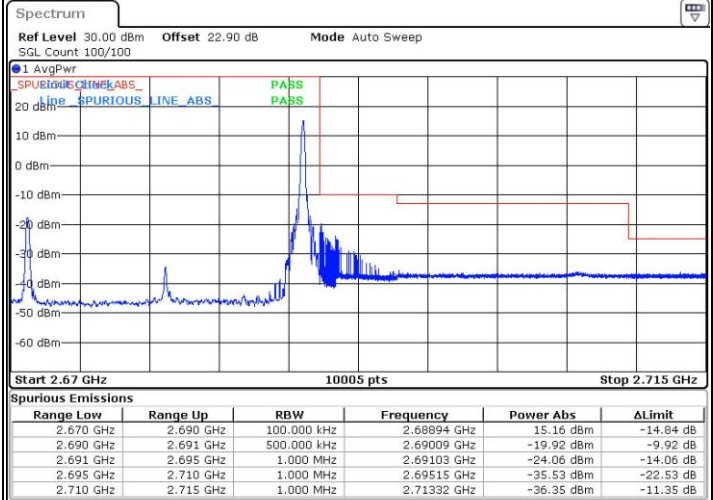


LTE Band 41 / 20MHz / QPSK

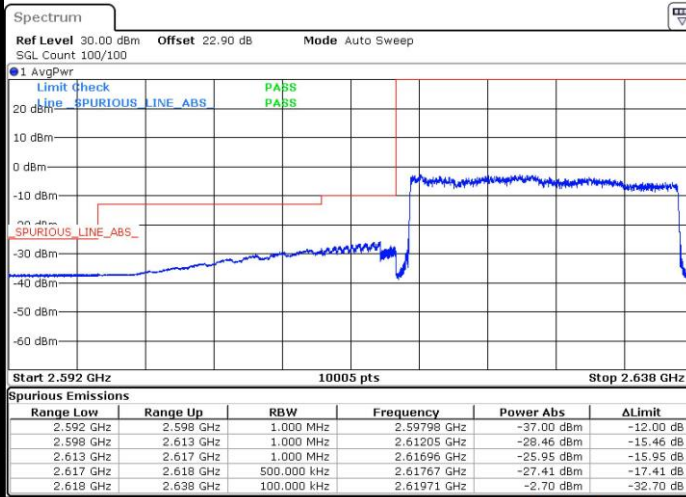
Lowest Band Edge / 1 RB



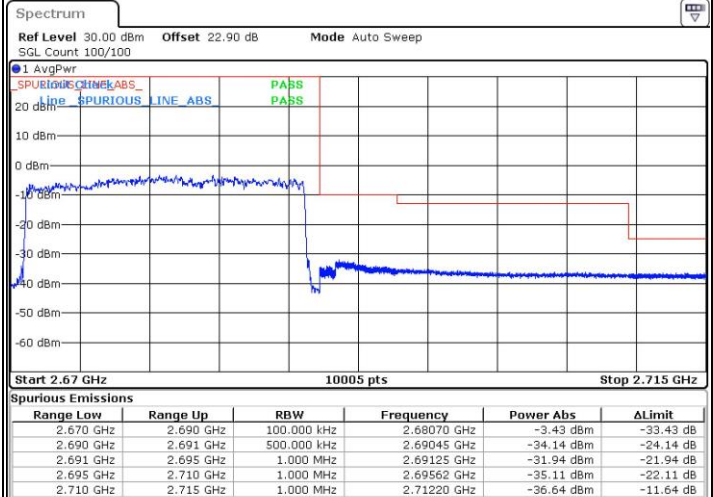
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



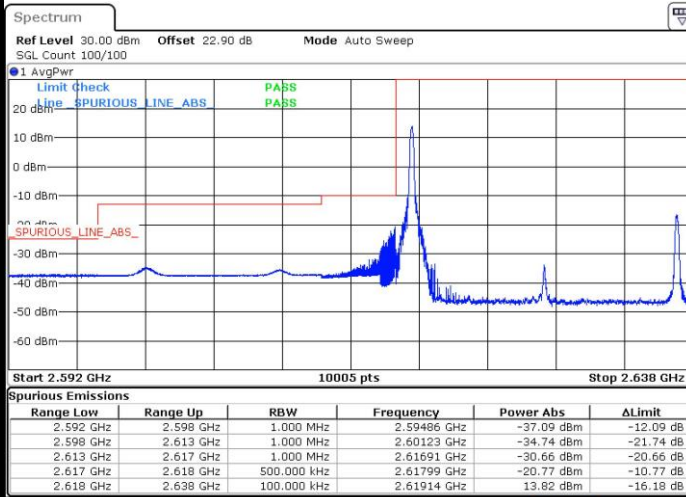
Highest Band Edge / Full RB



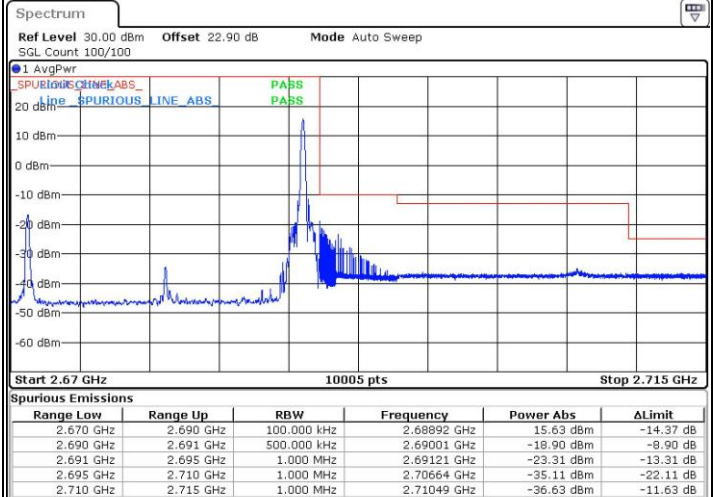


LTE Band 41 / 20MHz / 16QAM

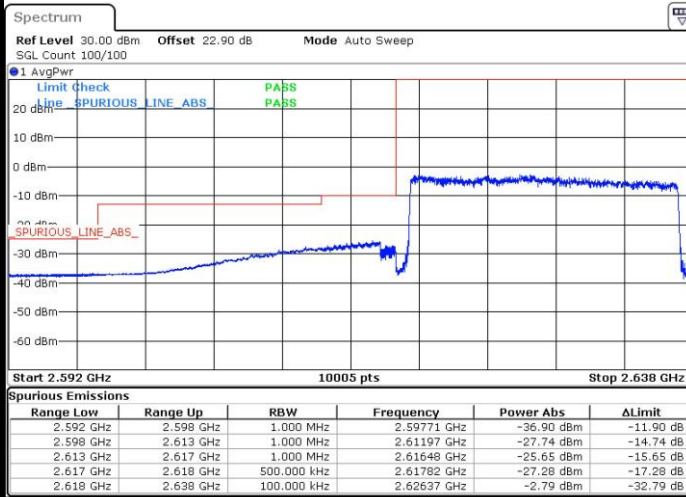
Lowest Band Edge / 1 RB



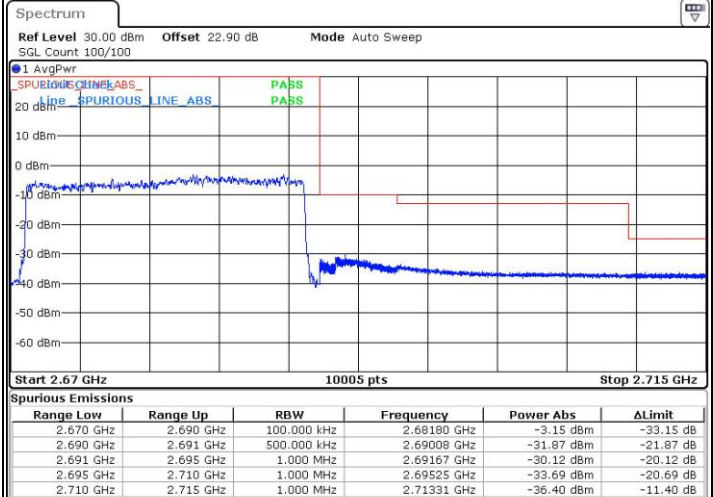
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



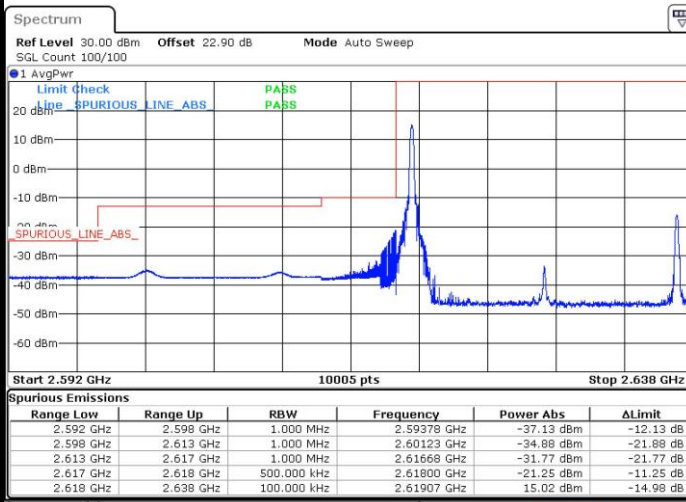
Highest Band Edge / Full RB



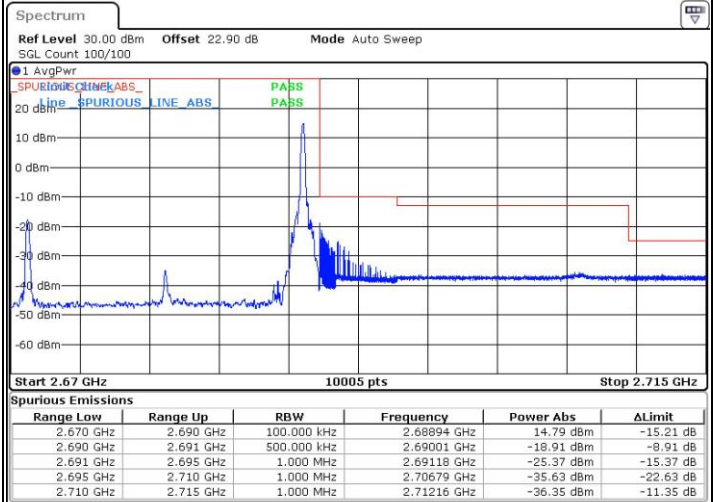


LTE Band 41 / 20MHz / 64QAM

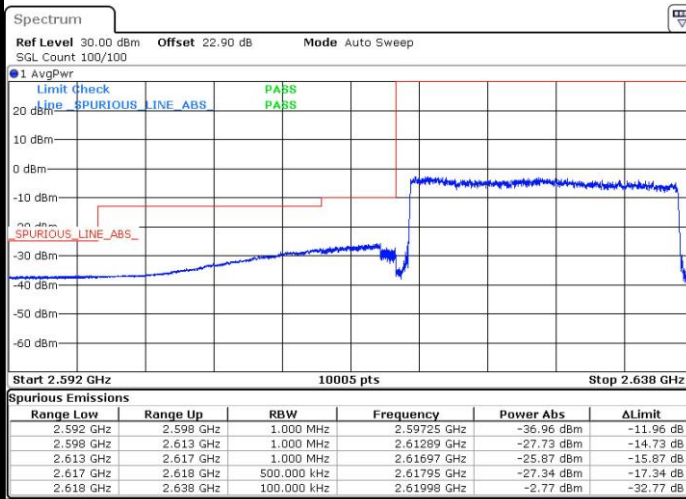
Lowest Band Edge / 1 RB



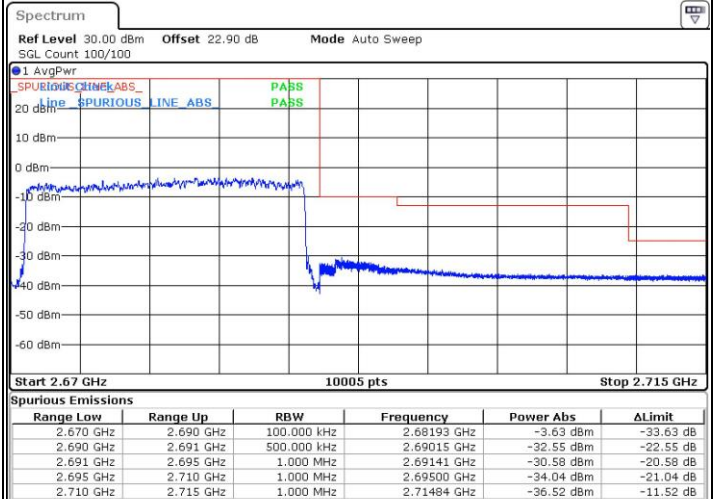
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

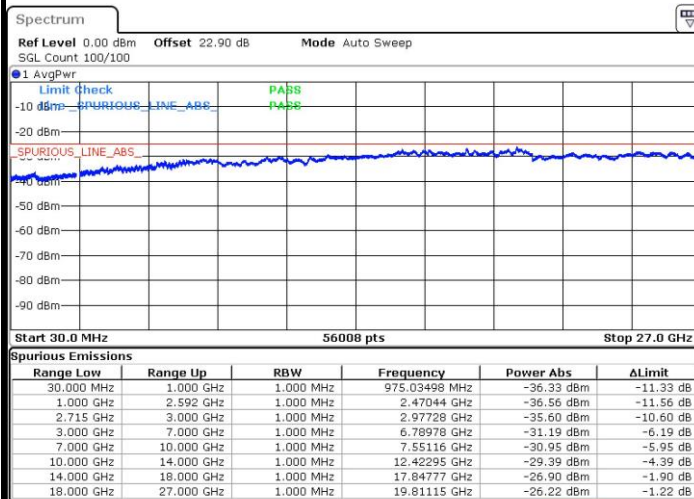




Conducted Spurious Emission

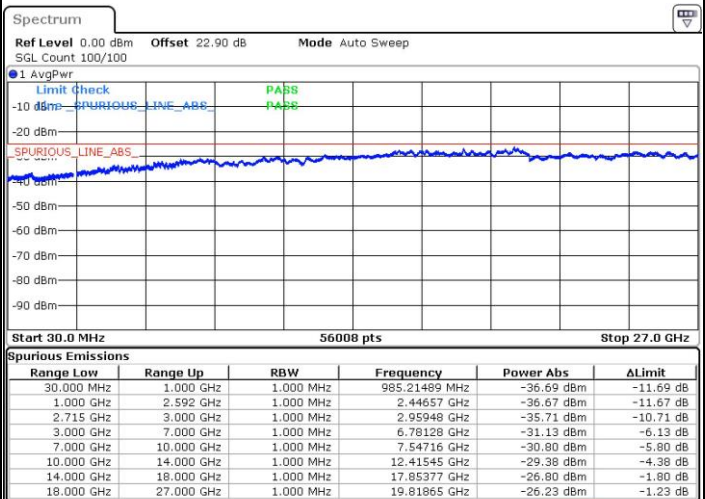
LTE Band 41 / 5MHz

Lowest Channel / QPSK



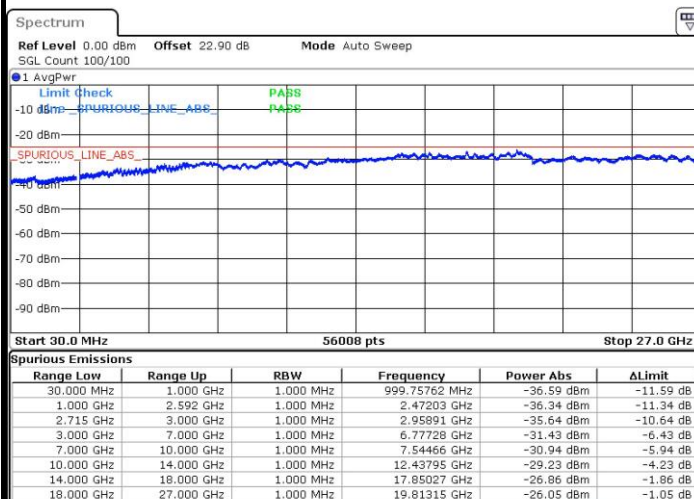
Date: 1 JUN 2018 20:21:32

Lowest Channel / 16QAM



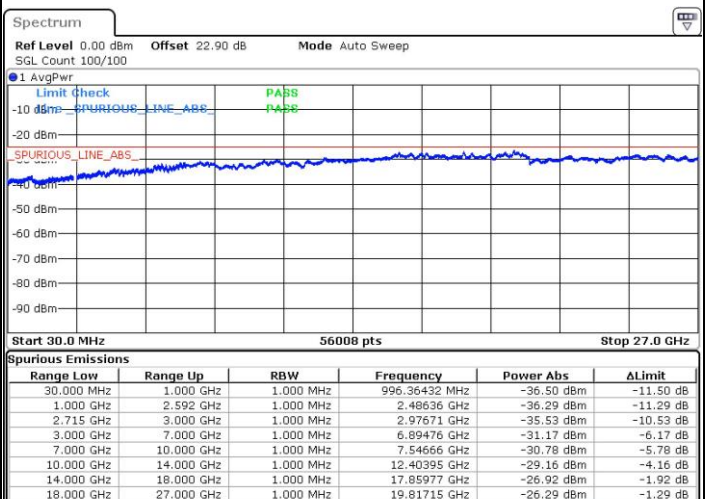
Date: 1 JUN 2018 20:22:24

Middle Channel / QPSK



Date: 1 JUN 2018 20:23:17

Middle Channel / 16QAM

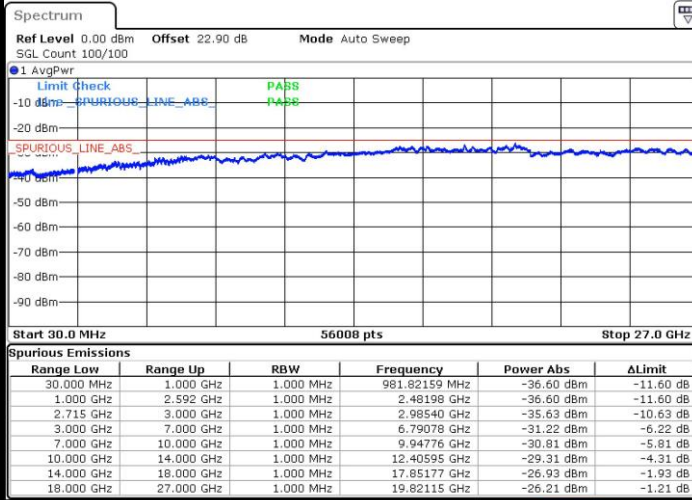


Date: 1 JUN 2018 20:24:10



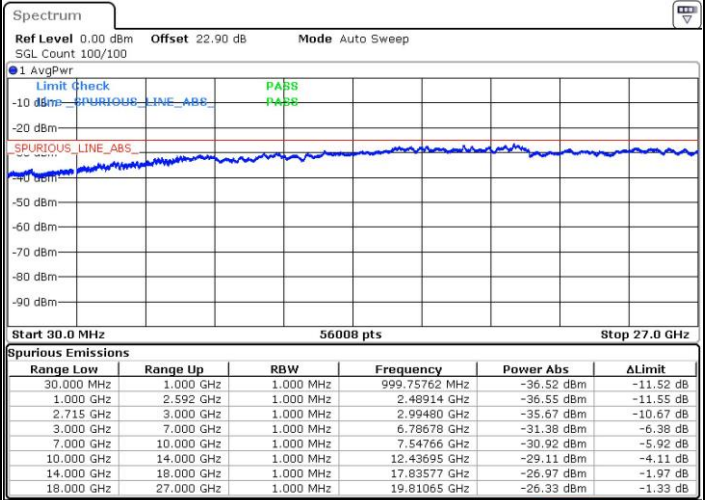
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 1 JUN 2018 20:25:02

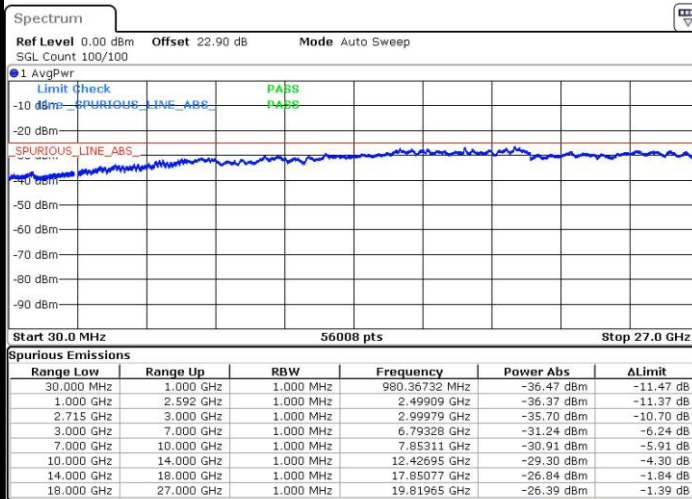
Highest Channel / 16QAM



Date: 1 JUN 2018 20:25:53

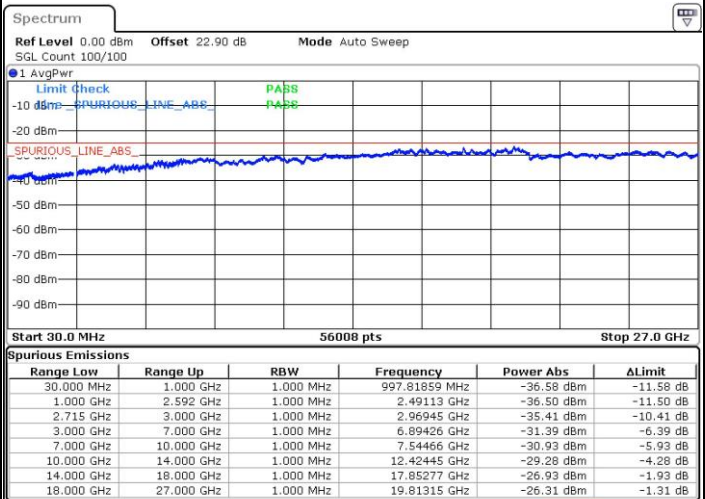
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 1 JUN 2018 20:29:21

Lowest Channel / 16QAM

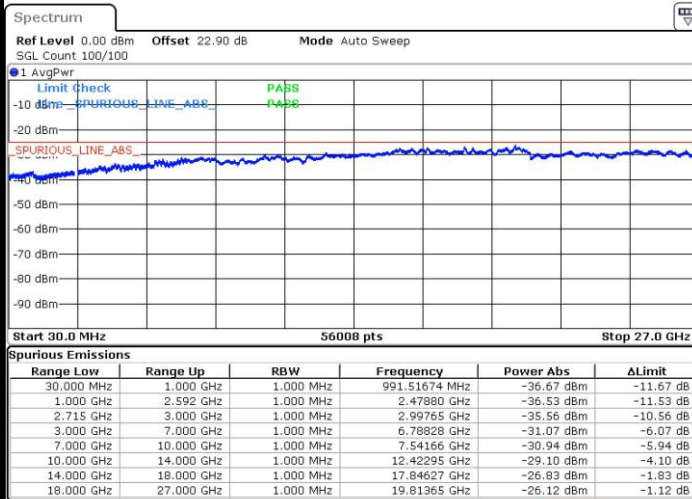


Date: 1 JUN 2018 20:30:13



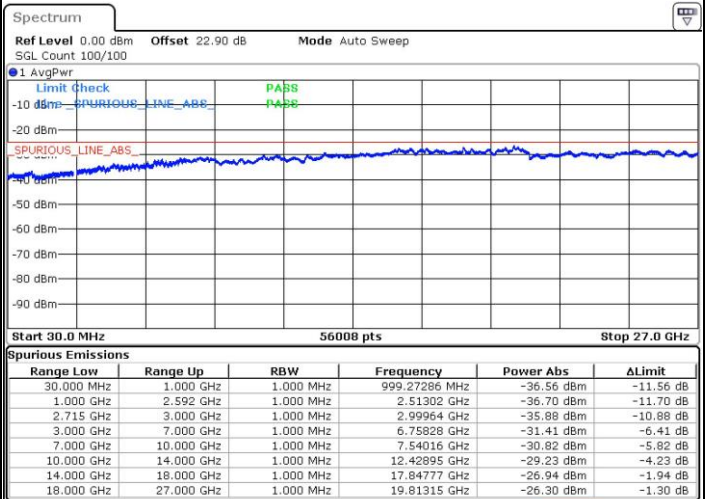
LTE Band 41 / 10MHz

Middle Channel / QPSK



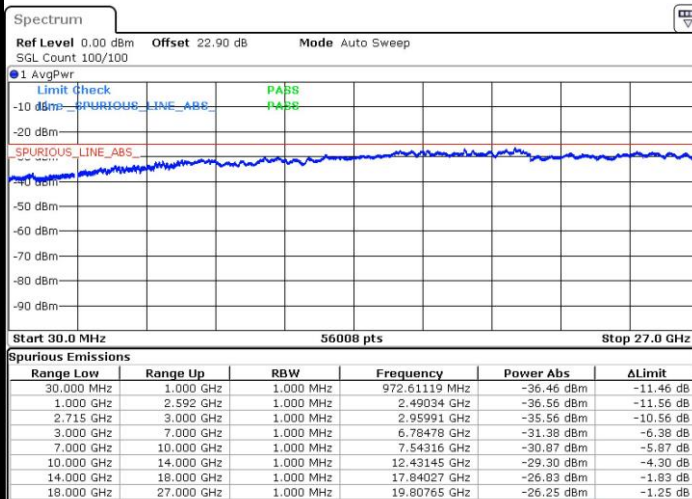
Date: 1 JUN 2018 20:31:04

Middle Channel / 16QAM



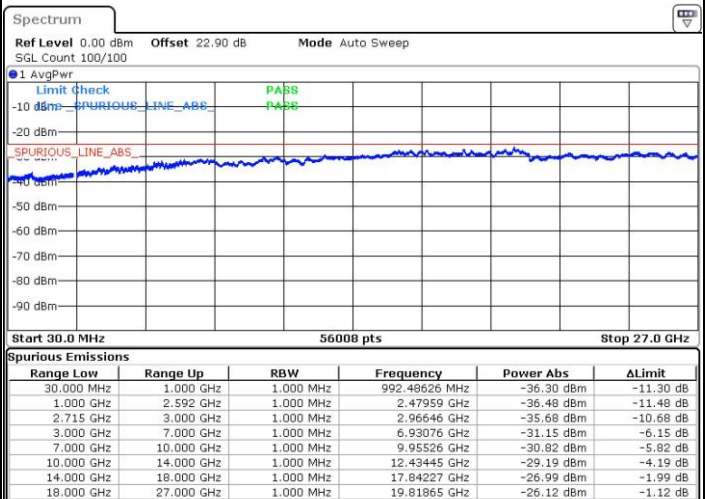
Date: 1 JUN 2018 20:31:56

Highest Channel / QPSK



Date: 1 JUN 2018 20:32:48

Highest Channel / 16QAM

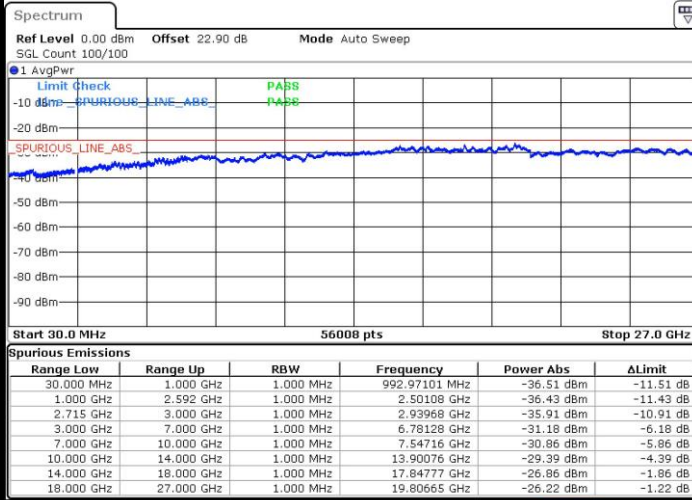


Date: 1 JUN 2018 20:33:40



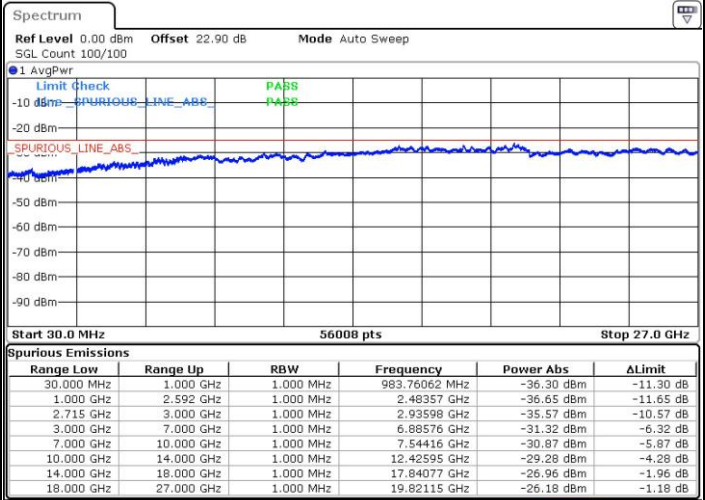
LTE Band 41 / 15MHz

Lowest Channel / QPSK



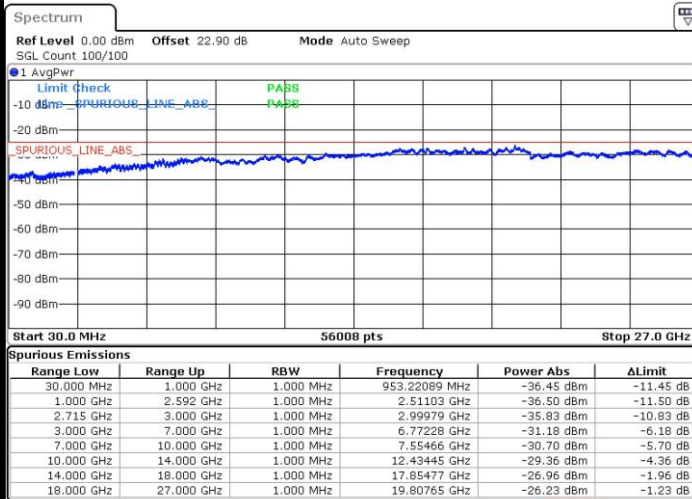
Date: 1 JUN 2018 20:34:31

Lowest Channel / 16QAM



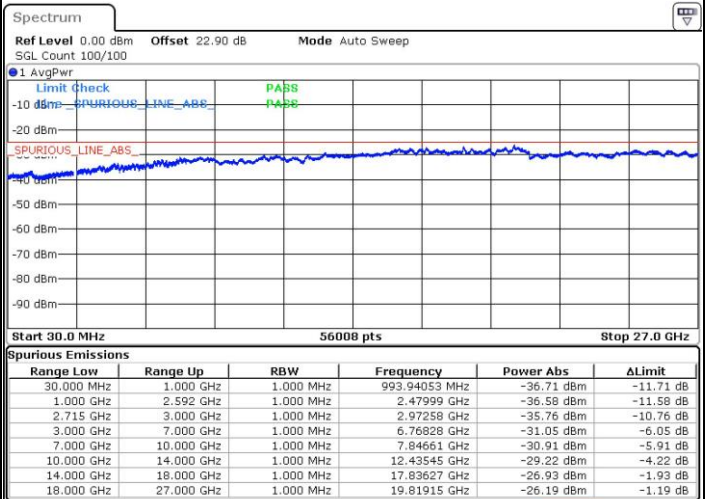
Date: 1 JUN 2018 20:35:23

Middle Channel / QPSK



Date: 1 JUN 2018 20:36:16

Middle Channel / 16QAM

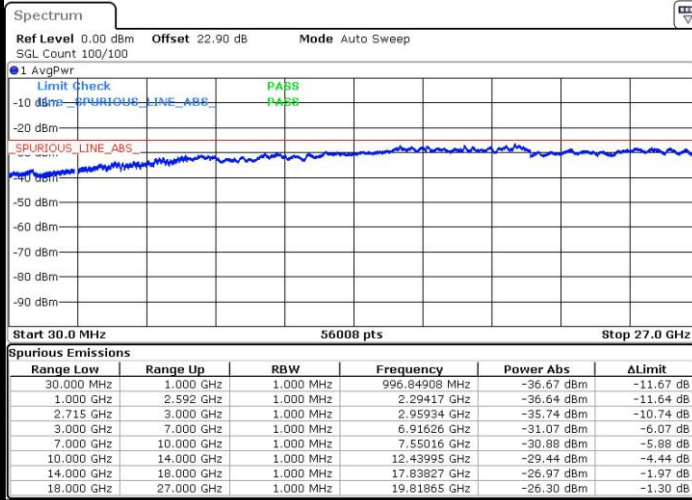


Date: 1 JUN 2018 20:37:07



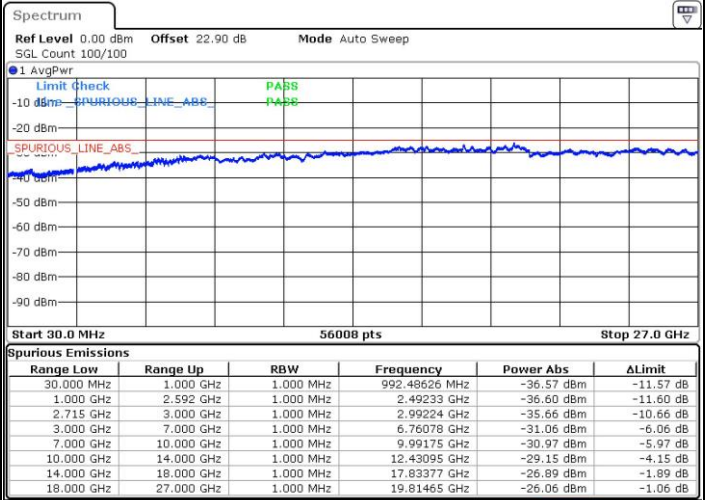
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 1 JUN 2018 20:37:59

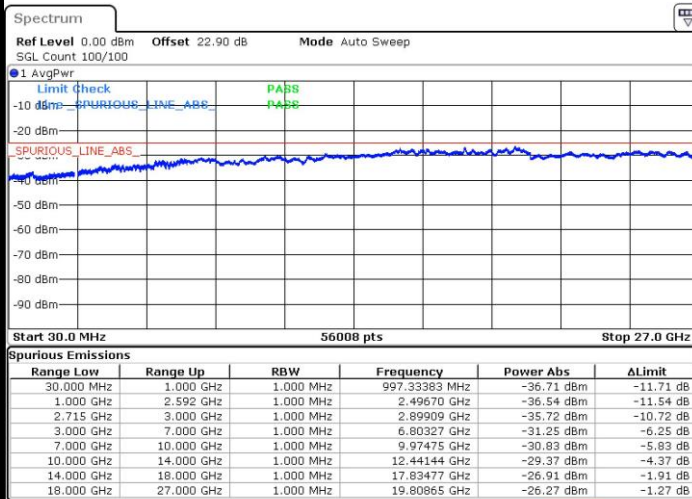
Highest Channel / 16QAM



Date: 1 JUN 2018 20:38:52

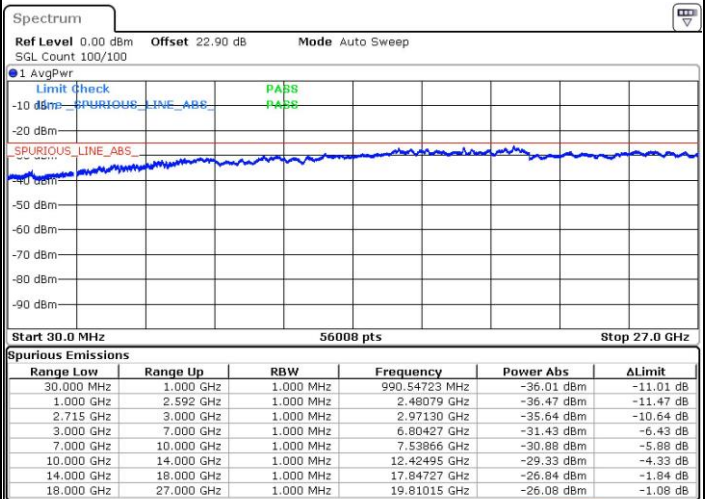
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 1 JUN 2018 20:44:56

Lowest Channel / 16QAM

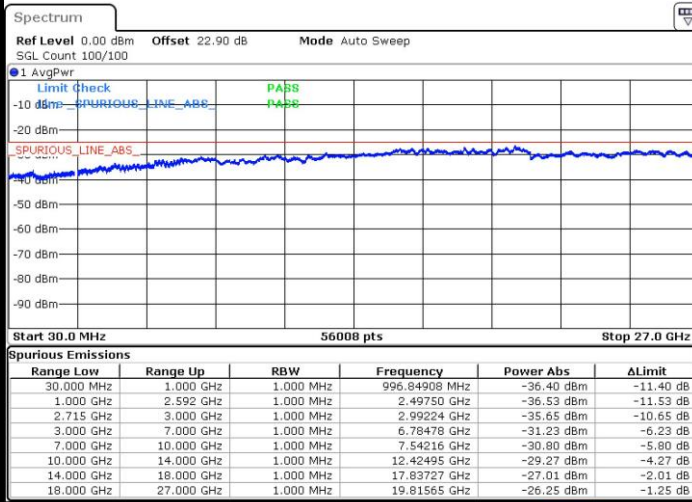


Date: 1 JUN 2018 20:45:48



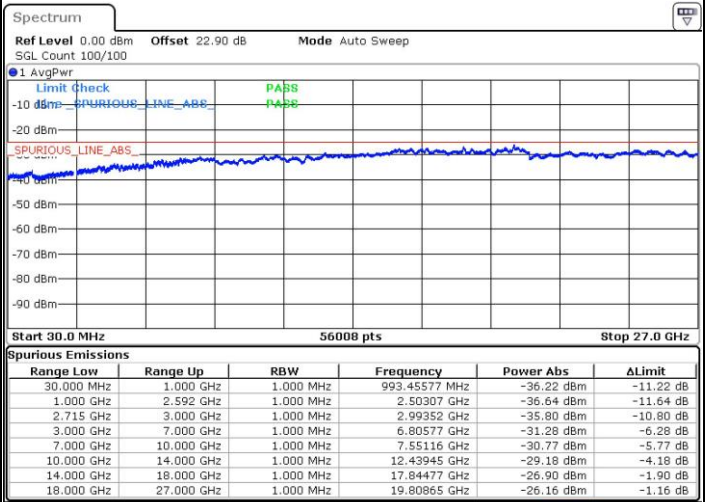
LTE Band 41 / 20MHz

Middle Channel / QPSK



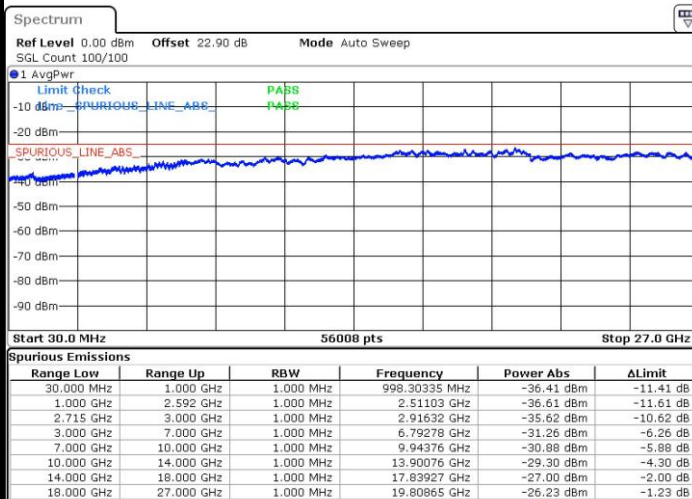
Date: 1 JUN 2018 20:46:40

Middle Channel / 16QAM



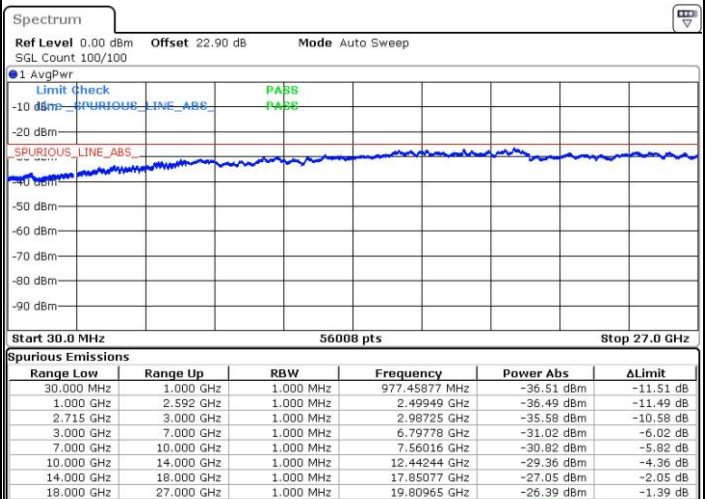
Date: 1 JUN 2018 20:47:33

Highest Channel / QPSK



Date: 1 JUN 2018 20:48:25

Highest Channel / 16QAM

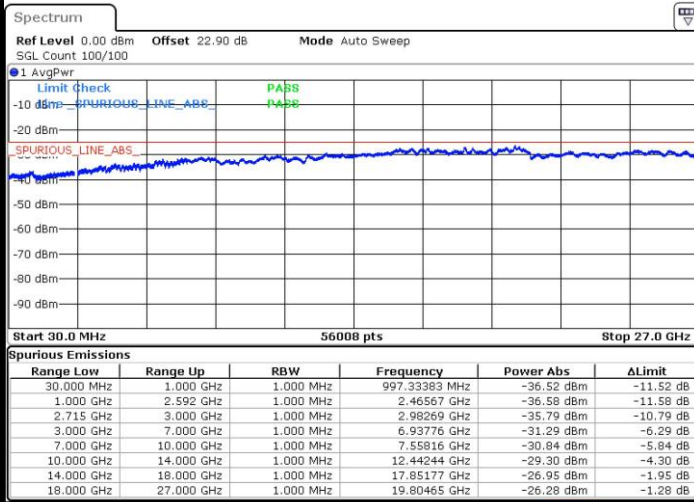


Date: 1 JUN 2018 20:49:17



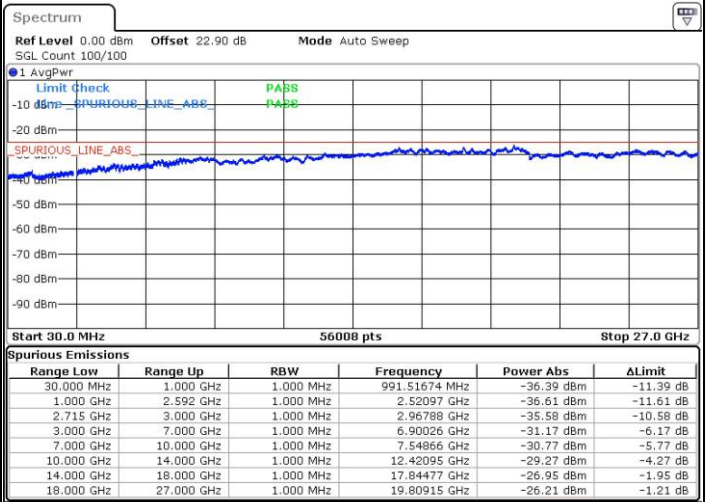
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



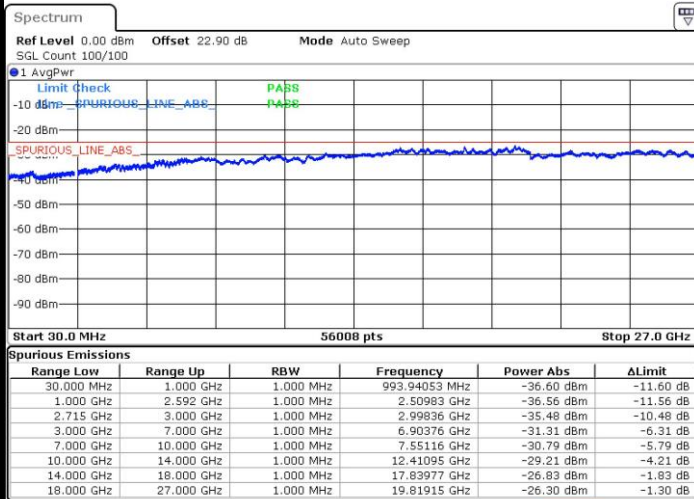
Date: 1 JUN 2018 20:18:55

Middle Channel / 64QAM



Date: 1 JUN 2018 20:19:47

Highest Channel / 64QAM

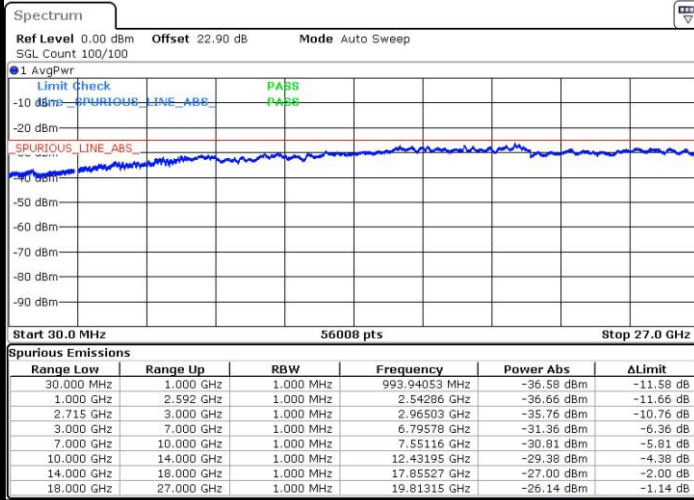


Date: 1 JUN 2018 20:20:39



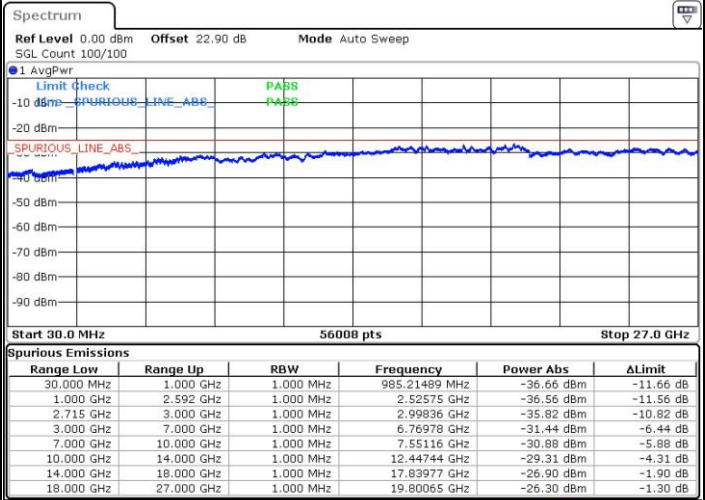
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



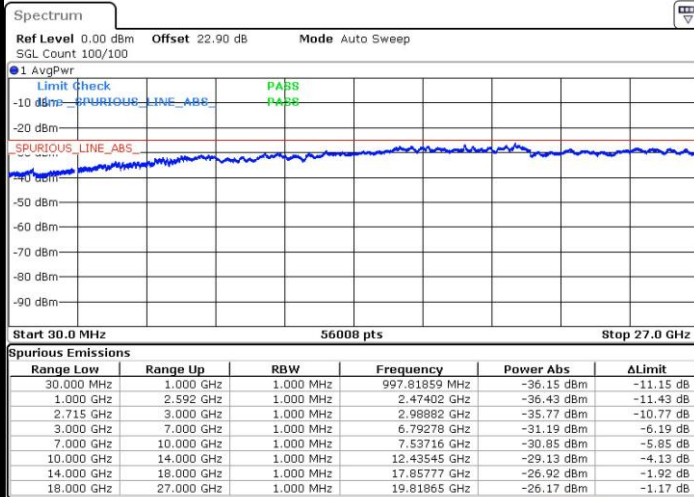
Date: 1 JUN 2018 20:26:45

Middle Channel / 64QAM



Date: 1 JUN 2018 20:27:38

Highest Channel / 64QAM

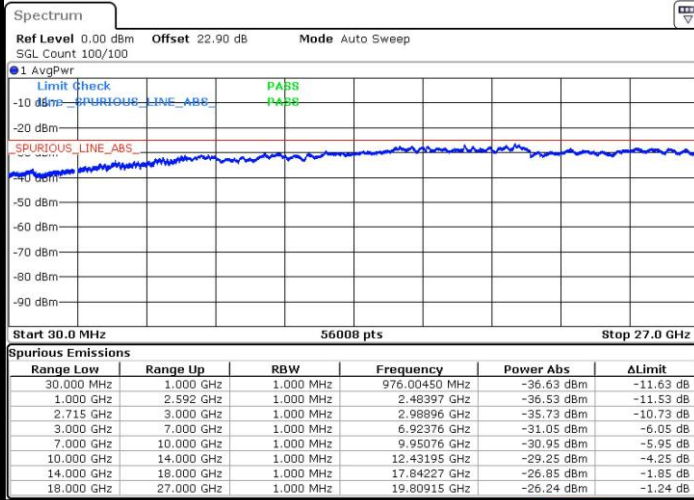


Date: 1 JUN 2018 20:28:29



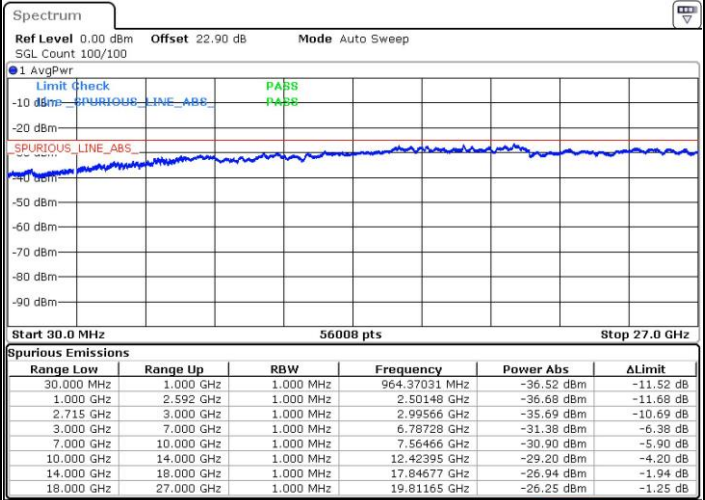
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



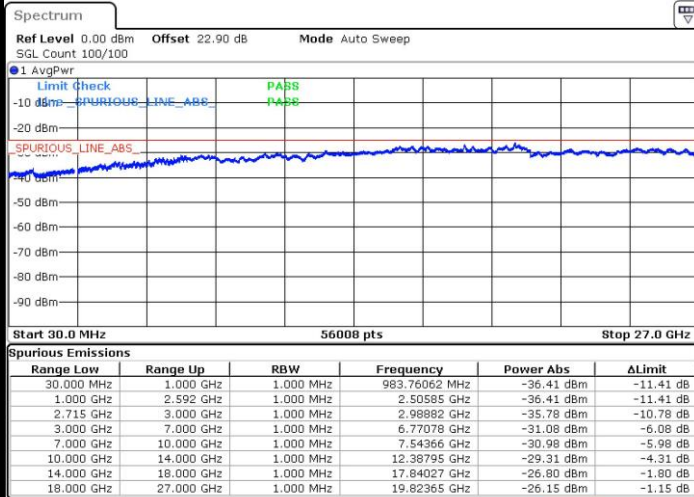
Date: 1 JUN 2018 20:39:44

Middle Channel / 64QAM



Date: 1 JUN 2018 20:40:36

Highest Channel / 64QAM

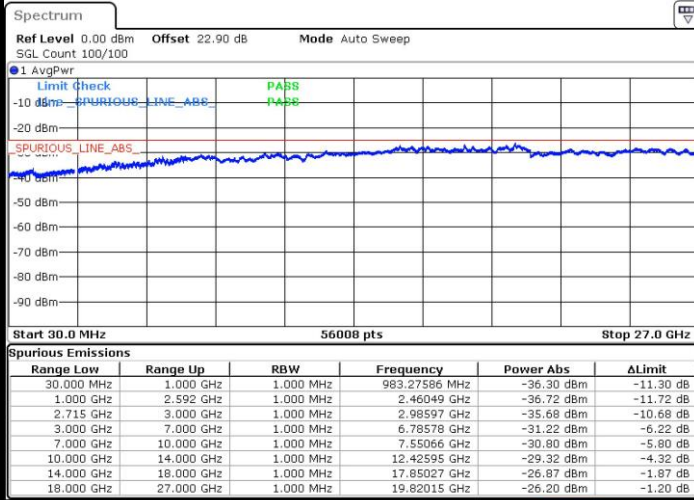


Date: 1 JUN 2018 20:41:28



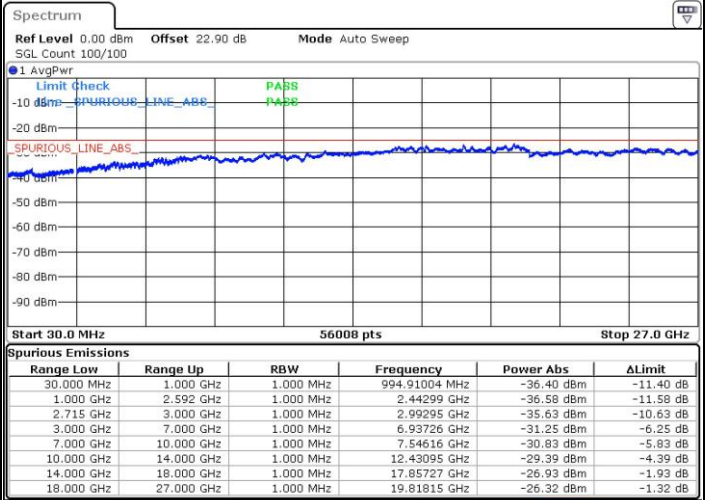
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



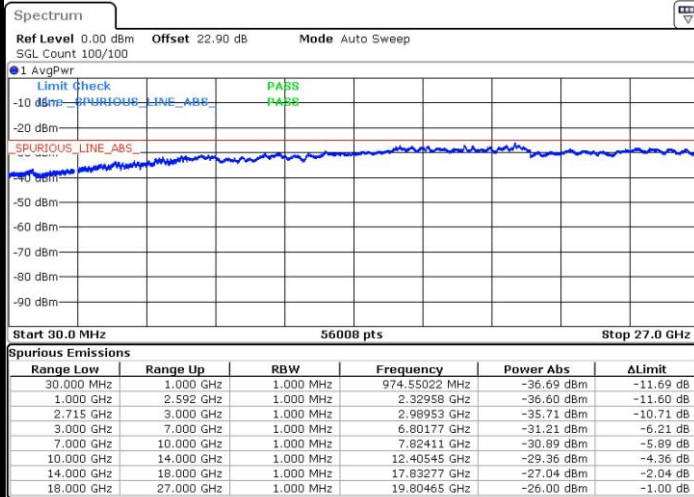
Date: 1 JUN 2018 20:42:20

Middle Channel / 64QAM



Date: 1 JUN 2018 20:43:11

Highest Channel / 64QAM



Date: 1 JUN 2018 20:44:03

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	0.0039	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0076	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =120 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =240 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<For 1x1 Tx>

LTE Band 25 / 5MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	0	23.00	0.1995	29.85	0.9661
Middle		12	0	23.70	0.2344	30.55	1.1350
Highest		12	0	23.00	0.1995	29.85	0.9661
Lowest	16QAM	12	0	22.90	0.1950	29.75	0.9441
Middle		12	0	23.70	0.2344	30.55	1.1350
Highest		12	0	22.90	0.1950	29.75	0.9441
Lowest	64QAM	12	0	22.90	0.1950	29.75	0.9441
Middle		12	0	23.60	0.2291	30.45	1.1092
Highest		12	0	22.90	0.1950	29.75	0.9441
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 10MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	23.10	0.2042	29.95	0.9886
Middle		25	12	23.50	0.2239	30.35	1.0839
Highest		25	12	22.70	0.1862	29.55	0.9016
Lowest	16QAM	25	12	23.10	0.2042	29.95	0.9886
Middle		25	12	23.40	0.2188	30.25	1.0593
Highest		25	12	22.70	0.1862	29.55	0.9016
Lowest	64QAM	25	12	23.10	0.2042	29.95	0.9886
Middle		25	12	23.50	0.2239	30.35	1.0839
Highest		25	12	22.50	0.1778	29.35	0.8610
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.00	0.1995	29.85	0.9661
Middle		1	37	23.80	0.2399	30.65	1.1614
Highest		1	37	22.50	0.1778	29.35	0.8610
Lowest	16QAM	1	37	23.00	0.1995	29.85	0.9661
Middle		1	37	23.70	0.2344	30.55	1.1350
Highest		1	37	22.50	0.1778	29.35	0.8610
Lowest	64QAM	1	37	23.00	0.1995	29.85	0.9661
Middle		1	37	23.50	0.2239	30.35	1.0839
Highest		1	37	22.40	0.1738	29.25	0.8414
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 20MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.30	0.2138	30.15	1.0351
Middle		1	0	23.80	0.2399	30.65	1.1614
Highest		1	0	23.40	0.2188	30.25	1.0593
Lowest	16QAM	1	0	23.20	0.2089	30.05	1.0116
Middle		1	0	23.70	0.2344	30.55	1.1350
Highest		1	0	23.30	0.2138	30.15	1.0351
Lowest	64QAM	1	0	23.30	0.2138	30.15	1.0351
Middle		1	0	23.60	0.2291	30.45	1.1092
Highest		1	0	23.20	0.2089	30.05	1.0116
Limit	EIRP < 2W			Result		PASS	


<For 2x2 Tx>

LTE Band 25 / 5MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	21.87	0.1538	28.72	0.7447
Middle		1	12	22.56	0.1803	29.41	0.8730
Highest		1	12	22.65	0.1841	29.50	0.8913
Lowest	16QAM	1	12	21.15	0.1303	28.00	0.6310
Middle		1	12	21.92	0.1556	28.77	0.7534
Highest		1	12	21.86	0.1535	28.71	0.7430
Lowest	64QAM	1	12	21.04	0.1271	27.89	0.6152
Middle		1	12	21.83	0.1524	28.68	0.7379
Highest		1	12	21.80	0.1514	28.65	0.7328
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 10MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.14	0.1637	28.99	0.7925
Middle		1	0	22.79	0.1901	29.64	0.9204
Highest		1	0	22.51	0.1782	29.36	0.8630
Lowest	16QAM	1	0	21.44	0.1393	28.29	0.6745
Middle		1	0	22.05	0.1603	28.90	0.7762
Highest		1	0	21.83	0.1524	28.68	0.7379
Lowest	64QAM	1	0	21.30	0.1349	28.15	0.6531
Middle		1	0	21.99	0.1581	28.84	0.7656
Highest		1	0	21.67	0.1469	28.52	0.7112
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.77	0.1892	29.62	0.9162
Middle		1	0	22.88	0.1941	29.73	0.9397
Highest		1	0	22.96	0.1977	29.81	0.9572
Lowest	16QAM	1	37	21.87	0.1538	28.72	0.7447
Middle		1	37	22.35	0.1718	29.20	0.8318
Highest		1	37	21.67	0.1469	28.52	0.7112
Lowest	64QAM	1	37	21.71	0.1483	28.56	0.7178
Middle		1	37	22.28	0.1690	29.13	0.8185
Highest		1	37	21.52	0.1419	28.37	0.6871
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 20MHz (Average) (GT - LC = 6.85 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.92	0.1556	28.77	0.7534
Middle		1	0	22.71	0.1866	29.56	0.9036
Highest		1	0	22.86	0.1932	29.71	0.9354
Lowest	16QAM	1	0	21.38	0.1374	28.23	0.6653
Middle		1	0	22.12	0.1629	28.97	0.7889
Highest		1	0	22.24	0.1675	29.09	0.8110
Lowest	64QAM	1	0	21.23	0.1327	28.08	0.6427
Middle		1	0	22.03	0.1596	28.88	0.7727
Highest		1	0	22.17	0.1648	29.02	0.7980
Limit	EIRP < 2W			Result		PASS	


<For 1x1 Tx Low Band>

LTE Band 41 Low Band / 5MHz (Peak) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	0	21.80	0.1514	30.09	1.0209
Middle		12	0	22.60	0.1820	30.89	1.2274
Highest		12	0	22.90	0.1950	31.19	1.3152
Lowest	16QAM	12	0	21.90	0.1549	30.19	1.0447
Middle		12	0	22.70	0.1862	30.99	1.2560
Highest		12	0	22.90	0.1950	31.19	1.3152
Lowest	64QAM	12	0	21.90	0.1549	30.19	1.0447
Middle		12	0	22.00	0.1585	30.29	1.0691
Highest		12	0	22.80	0.1905	31.09	1.2853
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 Low Band / 10MHz (Peak) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.30	0.1698	30.59	1.1455
Middle		1	49	22.60	0.1820	30.89	1.2274
Highest		1	49	22.30	0.1698	30.59	1.1455
Lowest	16QAM	50	0	22.30	0.1698	30.59	1.1455
Middle		50	0	22.50	0.1778	30.79	1.1995
Highest		50	0	22.70	0.1862	30.99	1.2560
Lowest	64QAM	25	0	22.00	0.1585	30.29	1.0691
Middle		25	0	22.30	0.1698	30.59	1.1455
Highest		25	0	22.60	0.1820	30.89	1.2274
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 Low Band / 15MHz (Peak) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	0	22.10	0.1622	30.39	1.0940
Middle		36	0	22.40	0.1738	30.69	1.1722
Highest		36	0	22.70	0.1862	30.99	1.2560
Lowest	16QAM	1	0	21.70	0.1479	29.99	0.9977
Middle		1	0	22.70	0.1862	30.99	1.2560
Highest		1	0	22.50	0.1778	30.79	1.1995
Lowest	64QAM	1	37	22.40	0.1738	30.69	1.1722
Middle		1	37	22.70	0.1862	30.99	1.2560
Highest		1	37	22.60	0.1820	30.89	1.2274
Limit	Conducted Power < 2W			Result		PASS	



LTE Band 41 Low Band / 20MHz (Peak) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.50	0.1778	30.79	1.1995
Middle		1	99	22.80	0.1905	31.09	1.2853
Highest		1	99	22.40	0.1738	30.69	1.1722
Lowest	16QAM	1	99	22.30	0.1698	30.59	1.1455
Middle		1	99	22.90	0.1950	31.19	1.3152
Highest		1	99	22.40	0.1738	30.69	1.1722
Lowest	64QAM	1	99	22.40	0.1738	30.69	1.1722
Middle		1	99	22.90	0.1950	31.19	1.3152
Highest		1	99	22.40	0.1738	30.69	1.1722
Limit	Conducted Power < 2W			Result		PASS	


<For 1x1 Tx High Band>

LTE Band 41 High Band / 5MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	0	22.20	0.1660	30.49	1.1194
Middle		12	0	22.60	0.1820	30.89	1.2274
Highest		12	0	22.20	0.1660	30.49	1.1194
Lowest	16QAM	12	0	22.40	0.1738	30.69	1.1722
Middle		12	0	22.60	0.1820	30.89	1.2274
Highest		12	0	22.30	0.1698	30.59	1.1455
Lowest	64QAM	12	0	22.20	0.1660	30.49	1.1194
Middle		12	0	22.50	0.1778	30.79	1.1995
Highest		12	0	22.00	0.1585	30.29	1.0691
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 High Band / 10MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	0	21.80	0.1514	30.09	1.0209
Middle		25	0	22.40	0.1738	30.69	1.1722
Highest		25	0	21.60	0.1445	29.89	0.9750
Lowest	16QAM	25	0	21.70	0.1479	29.99	0.9977
Middle		25	0	22.40	0.1738	30.69	1.1722
Highest		25	0	21.70	0.1479	29.99	0.9977
Lowest	64QAM	25	0	21.70	0.1479	29.99	0.9977
Middle		25	0	22.40	0.1738	30.69	1.1722
Highest		25	0	21.60	0.1445	29.89	0.9750
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 High Band / 15MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.70	0.1479	29.99	0.9977
Middle		1	0	22.40	0.1738	30.69	1.1722
Highest		1	0	21.50	0.1413	29.79	0.9528
Lowest	16QAM	1	74	22.40	0.1738	30.69	1.1722
Middle		1	74	21.40	0.1380	29.69	0.9311
Highest		1	74	21.70	0.1479	29.99	0.9977
Lowest	64QAM	1	74	22.40	0.1738	30.69	1.1722
Middle		1	74	21.40	0.1380	29.69	0.9311
Highest		1	74	21.90	0.1549	30.19	1.0447
Limit	Conducted Power < 2W			Result		PASS	



LTE Band 41 High Band / 20MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.80	0.1514	30.09	1.0209
Middle		1	0	22.50	0.1778	30.79	1.1995
Highest		1	0	21.70	0.1479	29.99	0.9977
Lowest	16QAM	1	0	21.90	0.1549	30.19	1.0447
Middle		1	0	22.40	0.1738	30.69	1.1722
Highest		1	0	21.90	0.1549	30.19	1.0447
Lowest	64QAM	1	0	21.80	0.1514	30.09	1.0209
Middle		1	0	22.40	0.1738	30.69	1.1722
Highest		1	0	21.70	0.1479	29.99	0.9977
Limit	Conducted Power < 2W			Result		PASS	



<For 4x4 Tx Low Band>

LTE Band 41 / 5MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	0	22.35	0.1718	30.64	1.1588
Middle		12	0	22.29	0.1694	30.58	1.1429
Highest		12	0	22.49	0.1774	30.78	1.1967
Lowest	16QAM	1	24	22.50	0.1778	30.79	1.1995
Middle		1	24	22.23	0.1671	30.52	1.1272
Highest		1	24	22.36	0.1722	30.65	1.1614
Lowest	64QAM	12	0	22.39	0.1734	30.68	1.1695
Middle		12	0	22.25	0.1679	30.54	1.1324
Highest		12	0	22.45	0.1758	30.74	1.1858
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.75	0.1884	31.04	1.2706
Middle		1	49	22.60	0.1820	30.89	1.2274
Highest		1	49	22.58	0.1811	30.87	1.2218
Lowest	16QAM	1	49	22.75	0.1884	31.04	1.2706
Middle		1	49	22.82	0.1914	31.11	1.2912
Highest		1	49	22.83	0.1919	31.12	1.2942
Lowest	64QAM	1	49	22.68	0.1854	30.97	1.2503
Middle		1	49	22.70	0.1862	30.99	1.2560
Highest		1	49	22.72	0.1871	31.01	1.2618
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.80	0.1905	31.09	1.2853
Middle		1	74	22.77	0.1892	31.06	1.2764
Highest		1	74	22.55	0.1799	30.84	1.2134
Lowest	16QAM	1	74	22.85	0.1928	31.14	1.3002
Middle		1	74	22.88	0.1941	31.17	1.3092
Highest		1	74	22.74	0.1879	31.03	1.2677
Lowest	64QAM	1	74	22.84	0.1923	31.13	1.2972
Middle		1	74	22.71	0.1866	31.00	1.2589
Highest		1	74	22.63	0.1832	30.92	1.2359
Limit	Conducted Power < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.89	0.1945	31.18	1.3122
Middle		1	99	22.85	0.1928	31.14	1.3002
Highest		1	99	22.80	0.1905	31.09	1.2853
Lowest	16QAM	1	99	22.85	0.1928	31.14	1.3002
Middle		1	99	22.94	0.1968	31.23	1.3274
Highest		1	99	22.91	0.1954	31.20	1.3183
Lowest	64QAM	1	0	22.60	0.1820	30.89	1.2274
Middle		1	0	22.88	0.1941	31.17	1.3092
Highest		1	0	22.82	0.1914	31.11	1.2912
Limit	Conducted Power < 2W			Result		PASS	



<For 4x4 Tx High Band>

LTE Band 41 / 5MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	0	22.48	0.1770	30.77	1.1940
Middle		12	0	22.49	0.1774	30.78	1.1967
Highest		12	0	21.88	0.1542	30.17	1.0399
Lowest	16QAM	12	0	22.55	0.1799	30.84	1.2134
Middle		12	0	22.54	0.1795	30.83	1.2106
Highest		12	0	21.93	0.1560	30.22	1.0520
Lowest	64QAM	12	0	22.47	0.1766	30.76	1.1912
Middle		12	0	22.52	0.1786	30.81	1.2050
Highest		12	0	21.85	0.1531	30.14	1.0328
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.70	0.1862	30.99	1.2560
Middle		1	49	22.63	0.1832	30.92	1.2359
Highest		1	49	21.99	0.1581	30.28	1.0666
Lowest	16QAM	1	49	22.92	0.1959	31.21	1.3213
Middle		1	49	22.83	0.1919	31.12	1.2942
Highest		1	49	22.38	0.1730	30.67	1.1668
Lowest	64QAM	1	49	22.86	0.1932	31.15	1.3032
Middle		1	49	22.69	0.1858	30.98	1.2531
Highest		1	49	22.17	0.1648	30.46	1.1117
Limit	Conducted Power < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.78	0.1897	31.07	1.2794
Middle		1	74	22.79	0.1901	31.08	1.2823
Highest		1	74	22.52	0.1786	30.81	1.2050
Lowest	16QAM	1	74	22.84	0.1923	31.13	1.2972
Middle		1	74	22.89	0.1945	31.18	1.3122
Highest		1	74	22.75	0.1884	31.04	1.2706
Lowest	64QAM	1	74	22.78	0.1897	31.07	1.2794
Middle		1	74	22.79	0.1901	31.08	1.2823
Highest		1	74	22.55	0.1799	30.84	1.2134
Limit	Conducted Power < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 8.29 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.46	0.1762	30.75	1.1885
Middle		1	99	22.52	0.1786	30.81	1.2050
Highest		1	99	22.54	0.1795	30.83	1.2106
Lowest	16QAM	1	99	22.65	0.1841	30.94	1.2417
Middle		1	99	22.67	0.1849	30.96	1.2474
Highest		1	99	22.77	0.1892	31.06	1.2764
Lowest	64QAM	1	99	22.65	0.1841	30.94	1.2417
Middle		1	99	22.72	0.1871	31.01	1.2618
Highest		1	99	22.69	0.1858	30.98	1.2531
Limit	Conducted Power < 2W			Result		PASS	

**Radiated Spurious Emission**

<For 1x1 Tx>

LTE Band 25

LTE Band 25 / 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	3702	-50.13	-13	-37.13	-70.45	-56.7	1.67	8.24	H
	5550	-53.57	-13	-40.57	-78.47	-60.64	2.65	9.72	H
	7400	-51.48	-13	-38.48	-78.18	-60.62	2.46	11.60	H
									H
									H
	3702	-46.16	-13	-33.16	-66.47	-52.73	1.67	8.24	V
	5550	-53.52	-13	-40.52	-78.39	-60.59	2.65	9.72	V
	7400	-51.39	-13	-38.39	-78.29	-60.53	2.46	11.60	V
									V
									V
Middle	3762	-54.63	-13	-41.63	-74.92	-61.26	1.69	8.31	H
	5640	-53.24	-13	-40.24	-78.33	-60.29	2.71	9.76	H
	7520	-50.92	-13	-37.92	-77.76	-60.31	2.42	11.81	H
									H
									H
	3762	-48.57	-13	-35.57	-68.88	-55.2	1.69	8.31	V
	5640	-53.31	-13	-40.31	-78.38	-60.36	2.71	9.76	V
	7520	-50.71	-13	-37.71	-77.8	-60.1	2.42	11.81	V
									V
									V



Highest	3828	-52.85	-13	-39.85	-73.11	-59.54	1.71	8.39	H
	5730	-52.34	-13	-39.34	-77.63	-59.37	2.76	9.79	H
	7638	-50.05	-13	-37.05	-77.16	-59.55	2.38	11.88	H
									H
									H
									H
									H
	3828	-47.50	-13	-34.50	-67.83	-54.19	1.71	8.39	V
	5730	-52.37	-13	-39.37	-77.65	-59.4	2.76	9.79	V
	7638	-49.40	-13	-36.40	-76.77	-58.9	2.38	11.88	V
									V
									V
									V
									V

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



<For 2x2 Tx>

LTE Band 25 / 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	3702	-55.18	-13	-42.18	-75.5	-61.75	1.67	8.24	H
	5550	-54.20	-13	-41.20	-79.1	-61.27	2.65	9.72	H
	7400	-51.55	-13	-38.55	-78.25	-60.69	2.46	11.60	H
									H
									H
									H
									H
									V
	3708	-52.15	-13	-39.15	-72.46	-58.73	1.67	8.25	V
	5550	-54.17	-13	-41.17	-79.04	-61.24	2.65	9.72	V
	7400	-51.65	-13	-38.65	-78.55	-60.79	2.46	11.60	V
									V
									V
									V
									V
Middle	3756	-52.99	-13	-39.99	-73.28	-59.61	1.68	8.31	H
	5634	-53.38	-13	-40.38	-78.47	-60.43	2.70	9.75	H
	7518	-51.17	-13	-38.17	-77.96	-60.56	2.42	11.81	H
									H
									H
									H
									H
	3768	-48.95	-13	-35.95	-69.27	-55.58	1.69	8.32	V
	5640	-53.29	-13	-40.29	-78.36	-60.34	2.71	9.76	V
	7518	-50.85	-13	-37.85	-77.88	-60.24	2.42	11.81	V
									V
									V
									V
									V
									V



Highest	3828	-56.21	-13	-43.21	-57.21	-62.9	1.71	8.39	H
	5730	-52.67	-13	-39.67	-53.67	-59.7	2.76	9.79	H
	7638	-50.19	-13	-37.19	-51.19	-59.69	2.38	11.88	H
									H
									H
									H
									H
	3828	-52.36	-13	-39.36	-53.36	-59.05	1.71	8.39	V
	5730	-52.80	-13	-39.80	-53.8	-59.83	2.76	9.79	V
	7638	-49.99	-13	-36.99	-50.99	-59.49	2.38	11.88	V
									V
									V
									V
									V
									V
									V

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

LTE Band 41

<For 1x1 Tx Low Band>

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	4998	-53.41	-25	-28.41	-76.88	-60.77	2.34	9.70	H
	7488	-51.20	-25	-26.20	-77.95	-60.54	2.43	11.78	H
	9990	-46.23	-25	-21.23	-77.58	-55.74	2.69	12.21	H
									H
									H
									H
	4998	-52.54	-25	-27.54	-75.81	-59.9	2.34	9.70	V
	7488	-51.52	-25	-26.52	-78.51	-60.86	2.43	11.78	V
	9990	-46.53	-25	-21.53	-77.82	-56.04	2.69	12.21	V
									V
									V
									V
Middle	5059	-54.79	-25	-29.79	-78.44	-62.12	2.37	9.70	H
	7590	-50.58	-25	-25.58	-77.61	-60.03	2.40	11.85	H
	10116	-46.40	-25	-21.40	-78.04	-55.95	2.70	12.25	H
									H
									H
									H
									H
	5059	-54.99	-25	-29.99	-78.46	-62.32	2.37	9.70	V
	7770	-50.42	-25	-25.42	-77.88	-60.04	2.34	11.96	V
	10368	-46.35	-25	-21.35	-78	-56	2.69	12.35	V
									V
									V
									V
									V



Highest	5124	-54.54	-25	-29.54	-78.36	-61.83	2.41	9.70	H
	7689	-49.86	-25	-24.86	-77.1	-59.41	2.37	11.91	H
	10260	-46.25	-25	-21.25	-78.28	-55.86	2.69	12.30	H
									H
									H
									H
									H
	5124	-54.30	-25	-29.30	-77.96	-61.59	2.41	9.70	V
	7689	-49.23	-25	-24.23	-76.75	-58.78	2.37	11.91	V
	10260	-46.36	-25	-21.36	-78.27	-55.97	2.69	12.30	V
									V
									V
									V
									V

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



<For 4x4 Tx Low Band>

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	4998	-47.23	-25	-22.23	-70.7	-54.59	2.34	9.70	H
	7494	-49.45	-25	-24.45	-76.2	-58.81	2.43	11.79	H
	9990	-44.54	-25	-19.54	-75.89	-54.05	2.69	12.21	H
									H
									H
									H
									H
	4992	-43.54	-25	-18.54	-66.81	-50.89	2.33	9.68	V
	7494	-41.68	-25	-16.68	-69.67	-51.04	2.43	11.79	V
	9990	-41.16	-25	-16.16	-72.45	-50.67	2.69	12.21	V
									V
									V
									V
									V
Middle	5064	-45.19	-25	-20.19	-68.84	-52.52	2.37	9.70	H
	7596	-44.91	-25	-19.91	-71.93	-54.37	2.40	11.86	H
	10116	-45.26	-25	-20.26	-76.9	-54.81	2.70	12.25	H
									H
									H
									H
									H
	5064	-44.96	-25	-19.96	-68.43	-52.29	2.37	9.70	V
	7596	-42.71	-25	-17.71	-69.99	-52.17	2.40	11.86	V
	10116	-44.10	-25	-19.10	-75.65	-53.65	2.70	12.25	V
									V
									V
									V
									V



Highest	5130	-48.31	-25	-23.31	-72.13	-55.6	2.41	9.70	H
	7689	-49.54	-25	-24.54	-76.78	-59.09	2.37	11.91	H
	10260	-43.86	-25	-18.86	-75.89	-53.47	2.69	12.30	H
									H
									H
									H
									H
	5130	-42.71	-25	-17.71	-66.37	-50	2.41	9.70	V
	7692	-46.41	-25	-21.41	-73.98	-55.96	2.37	11.92	V
	10260	-43.80	-25	-18.80	-75.71	-53.41	2.69	12.30	V
									V
									V
									V
									V

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



<For 1x1 Tx High Band>

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	5256	-53.65	-25	-28.65	-77.77	-60.87	2.48	9.70	H
	7884	-50.49	-25	-25.49	-78.26	-60.21	2.31	12.03	H
	10512	-45.96	-25	-20.96	-78.66	-55.67	2.69	12.40	H
									H
									H
									H
									H
	5256	-53.79	-25	-28.79	-77.79	-61.01	2.48	9.70	V
	7884	-50.18	-25	-25.18	-78.27	-59.9	2.31	12.03	V
	10512	-46.18	-25	-21.18	-78.71	-55.89	2.69	12.40	V
									V
									V
									V
									V
Middle	5298	-53.83	-25	-28.83	-78.08	-61.02	2.51	9.70	H
	7947	-50.62	-25	-25.62	-78.58	-60.4	2.29	12.07	H
	10602	-45.38	-25	-20.38	-78.32	-55.11	2.69	12.42	H
									H
									H
									H
									H
	5298	-53.64	-25	-28.64	-77.8	-60.83	2.51	9.70	V
	7947	-50.43	-25	-25.43	-78.72	-60.21	2.29	12.07	V
	10602	-45.73	-25	-20.73	-78.49	-55.46	2.69	12.42	V
									V
									V
									V
									V



Highest	5358	-53.84	-25	-28.84	-78.23	-61	2.54	9.70	H
	8040	-50.09	-25	-25.09	-78.19	-59.95	2.28	12.13	H
	10728	-45.29	-25	-20.29	-78.55	-55.05	2.69	12.45	H
									H
									H
									H
									H
	5358	-53.70	-25	-28.70	-78.01	-60.86	2.54	9.70	V
	8040	-49.81	-25	-24.81	-78.25	-59.67	2.28	12.13	V
	10728	-45.66	-25	-20.66	-46.66	-55.42	2.69	12.45	V
									V
									V
									V
									V

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



<For 4x4 Tx High Band>

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	5262	-49.69	-25	-24.69	-73.85	-56.9	2.49	9.70	H
	7890	-45.39	-25	-20.39	-73.16	-55.12	2.30	12.03	H
	10512	-45.65	-25	-20.65	-78.35	-55.36	2.69	12.40	H
									H
									H
									H
									H
	5256	-46.34	-25	-21.34	-70.4	-53.56	2.48	9.70	V
	7884	-39.57	-25	-14.57	-67.66	-49.29	2.31	12.03	V
	10512	-46.24	-25	-21.24	-78.77	-55.95	2.69	12.40	V
									V
									V
									V
									V
Middle	5298	-49.37	-25	-24.37	-73.62	-56.56	2.51	9.70	H
	7950	-43.53	-25	-18.53	-71.48	-53.32	2.28	12.07	H
	10602	-45.12	-25	-20.12	-78.06	-54.85	2.69	12.42	H
									H
									H
									H
									H
	5298	-46.04	-25	-21.04	-70.2	-53.23	2.51	9.70	V
	7950	-39.92	-25	-14.92	-68.2	-49.71	2.28	12.07	V
	10602	-45.32	-25	-20.32	-78.08	-55.05	2.69	12.42	V
									V
									V
									V
									V



Highest	5364	-48.67	-25	-23.67	-73.1	-55.82	2.55	9.70	H
	8040	-40.93	-25	-15.93	-69.03	-50.79	2.28	12.13	H
	10728	-45.69	-25	-20.69	-78.95	-55.45	2.69	12.45	H
									H
									H
									H
									H
	5358	-43.69	-25	-18.69	-68.05	-50.85	2.54	9.70	V
	8040	-36.12	-25	-11.12	-64.56	-45.98	2.28	12.13	V
	10728	-45.71	-25	-20.71	-78.79	-55.47	2.69	12.45	V
									V
									V
									V
									V

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