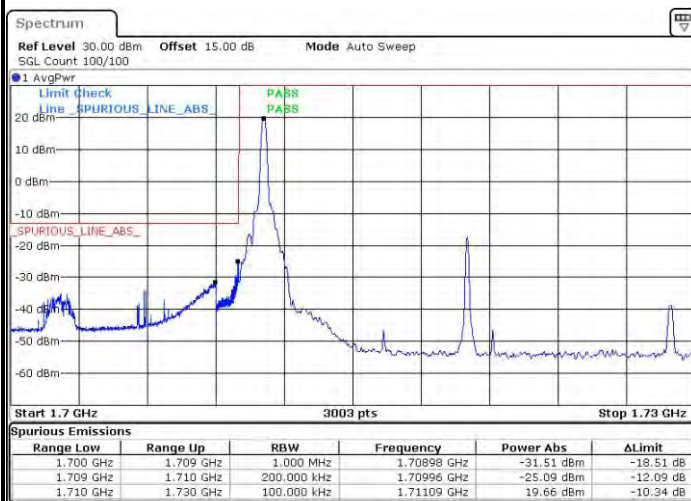


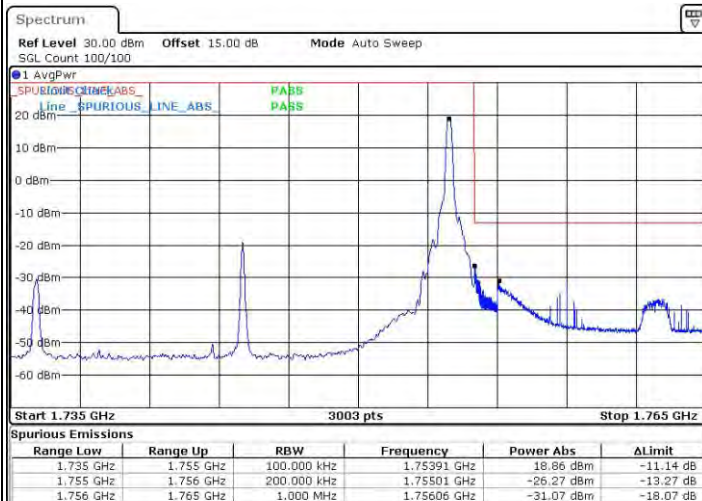


LTE Band 4 / 20MHz / 16QAM

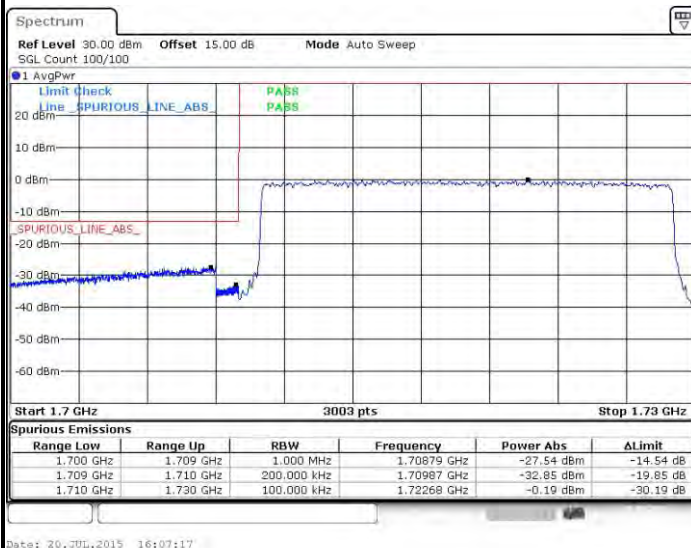
Lowest Band Edge / 1 RB



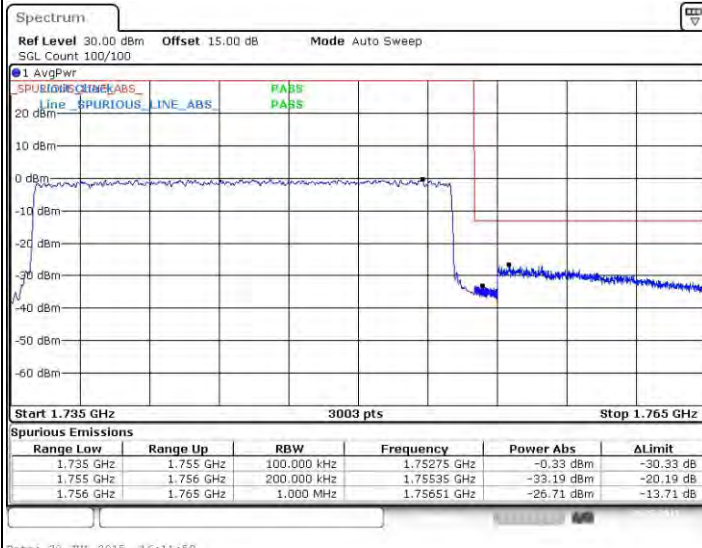
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

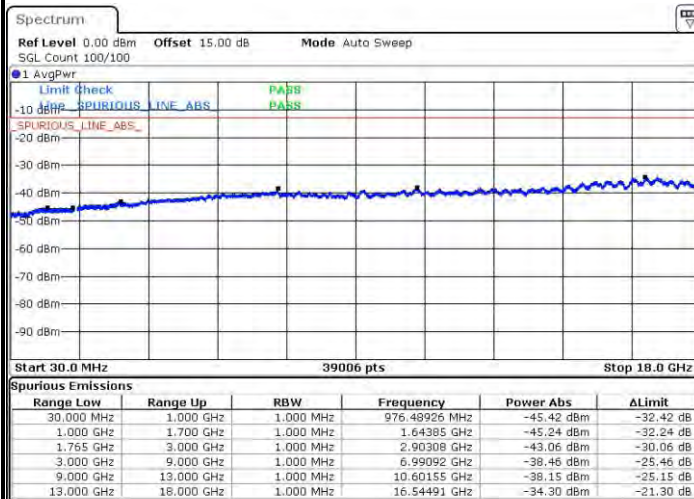




Conducted Spurious Emission

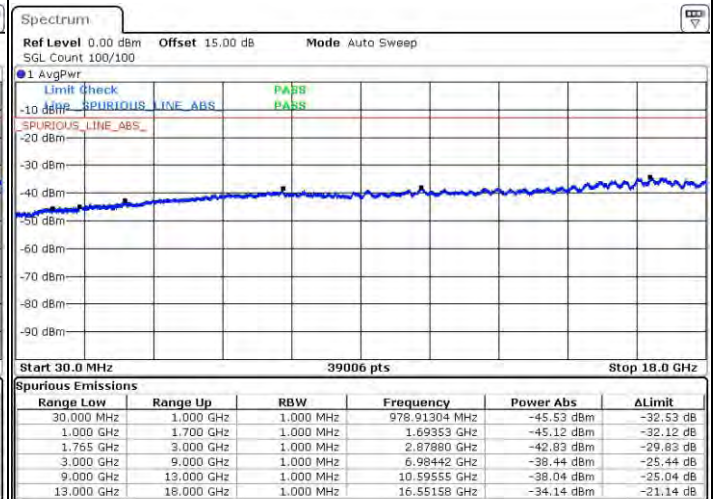
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



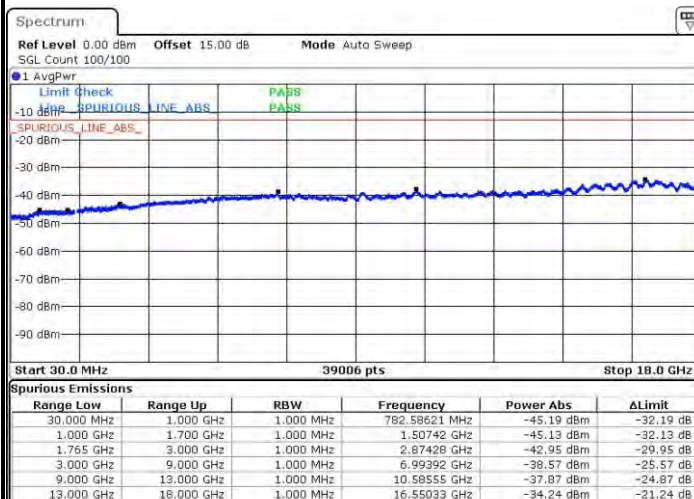
Date: 20.JUL.2015 16:35:59

Lowest Channel / 16QAM



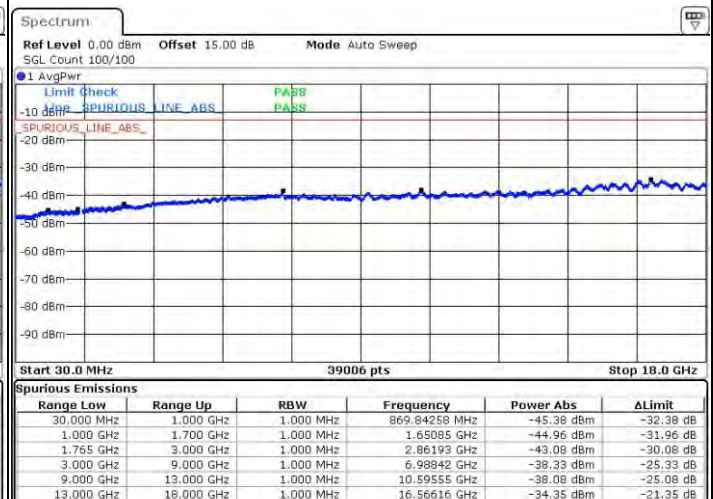
Date: 20.JUL.2015 16:41:45

Middle Channel / QPSK



Date: 20.JUL.2015 16:45:30

Middle Channel / 16QAM

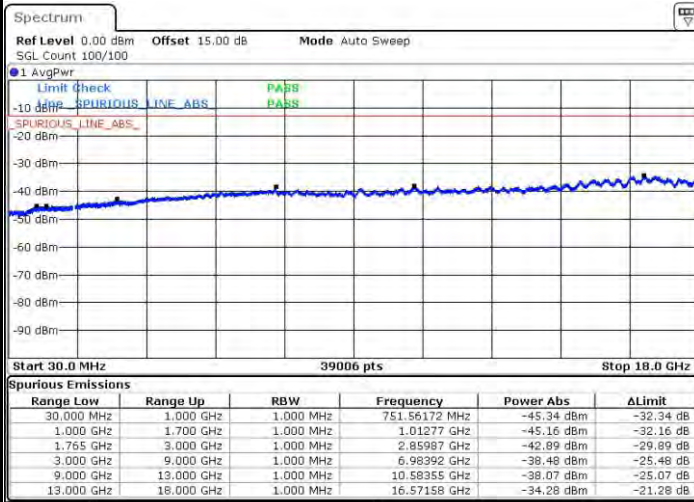


Date: 20.JUL.2015 16:44:12



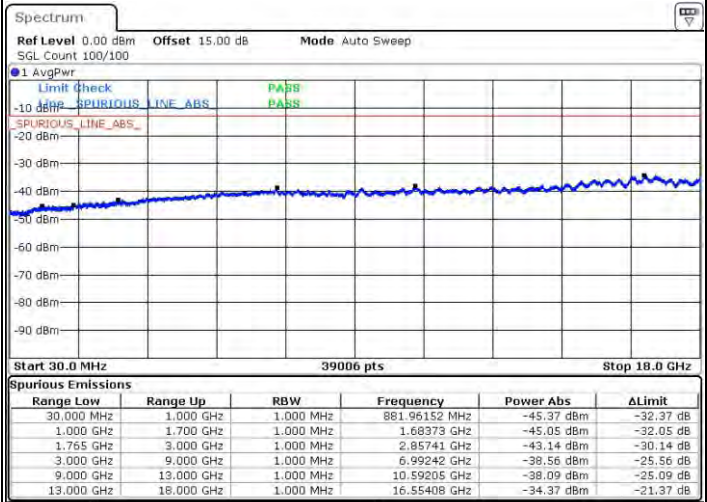
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 20.JUL.2015 16:47:54

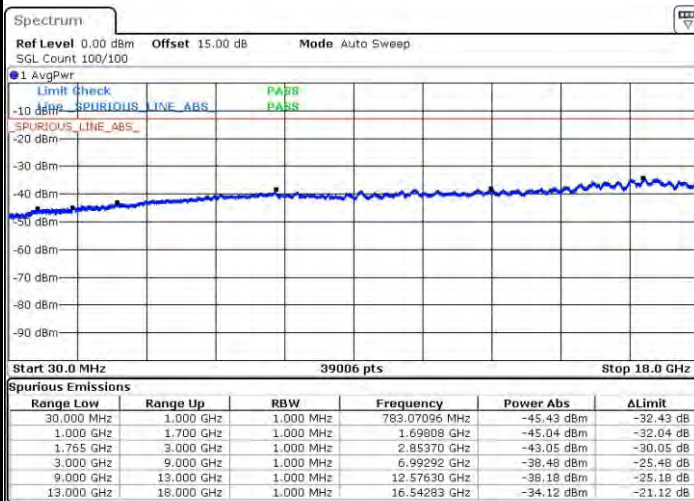
Highest Channel / 16QAM



Date: 20.JUL.2015 16:57:22

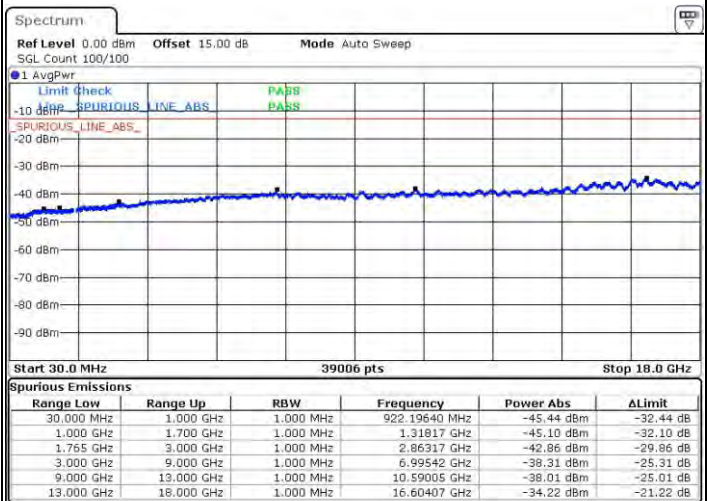
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 20.JUL.2015 17:00:04

Lowest Channel / 16QAM

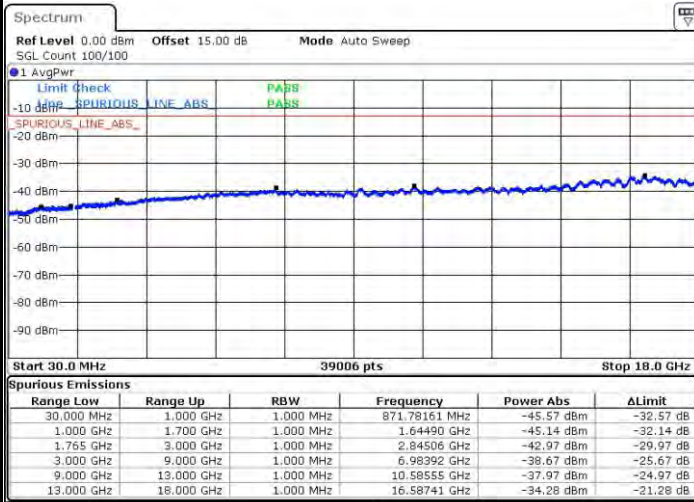


Date: 20.JUL.2015 16:59:13



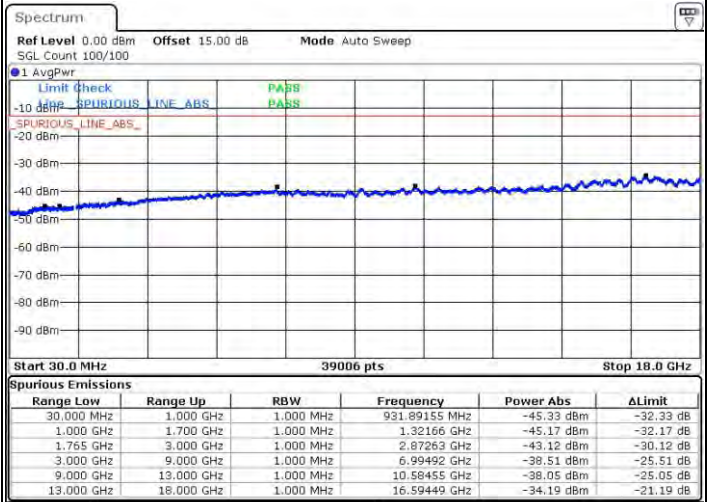
LTE Band 4 / 3MHz

Middle Channel / QPSK



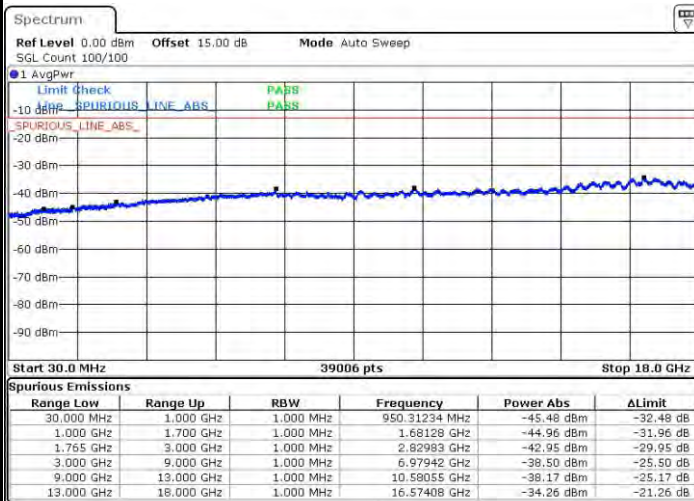
Date: 20.JUL.2015 17:03:55

Middle Channel / 16QAM



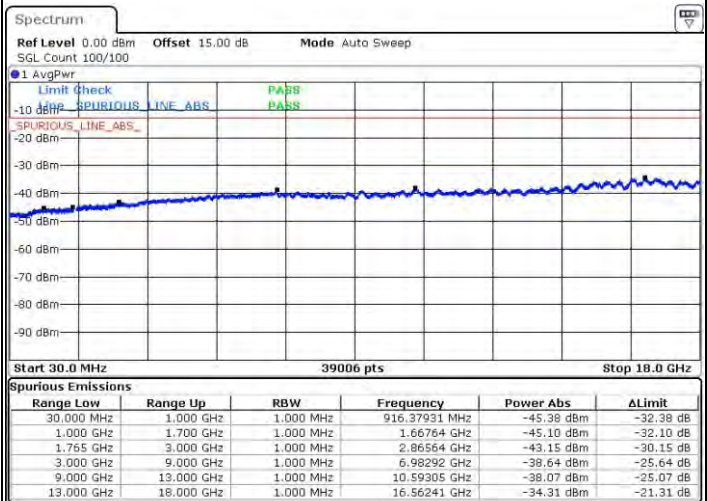
Date: 20.JUL.2015 17:07:20

Highest Channel / QPSK



Date: 20.JUL.2015 17:04:56

Highest Channel / 16QAM

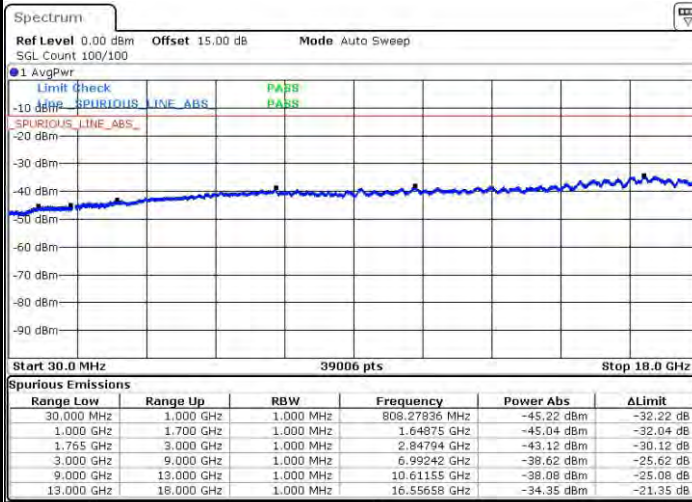


Date: 20.JUL.2015 17:05:46



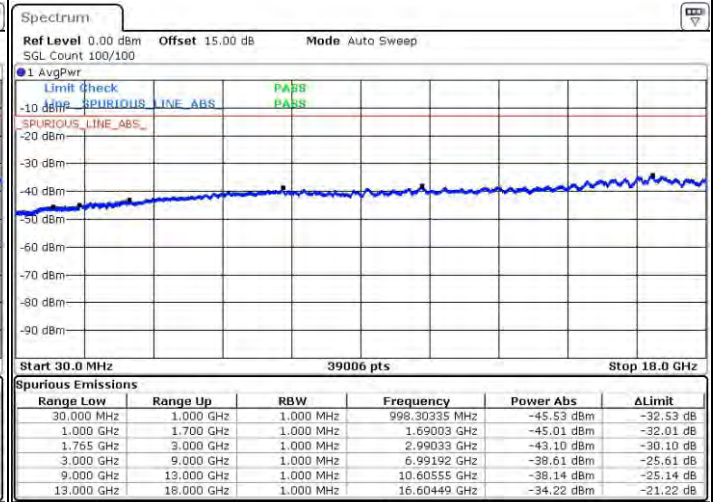
LTE Band 4 / 5MHz

Lowest Channel / QPSK



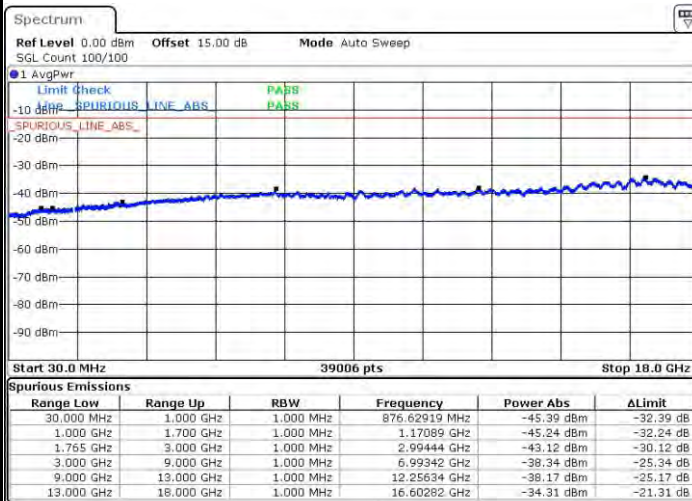
Date: 20.JUL.2015 17:21:53

Lowest Channel / 16QAM



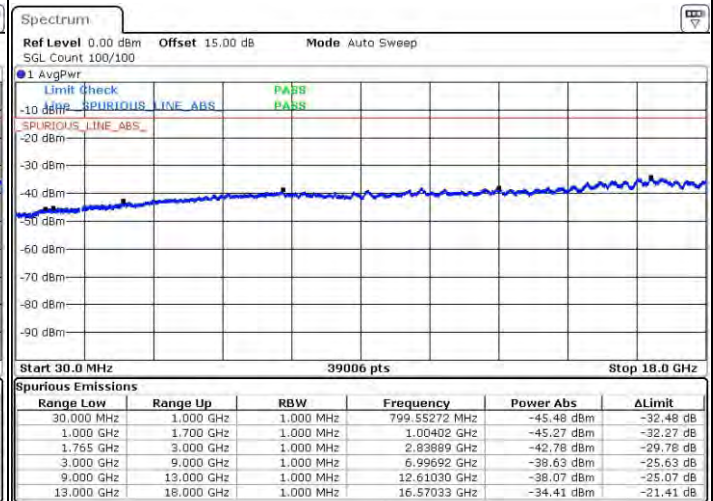
Date: 20.JUL.2015 17:20:47

Middle Channel / QPSK



Date: 20.JUL.2015 17:23:47

Middle Channel / 16QAM

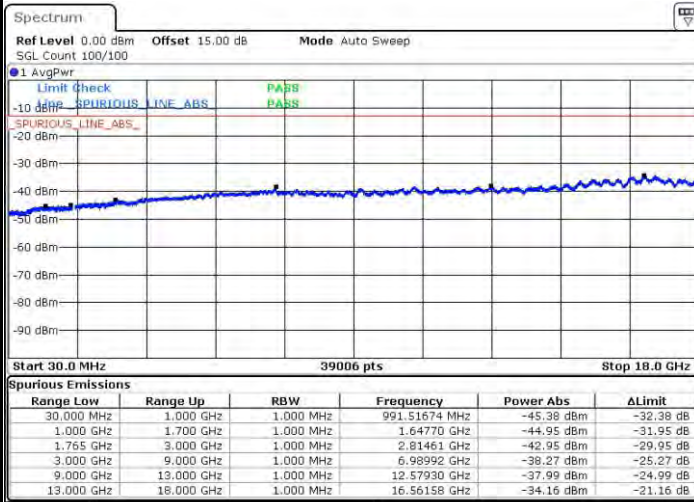


Date: 20.JUL.2015 17:24:47



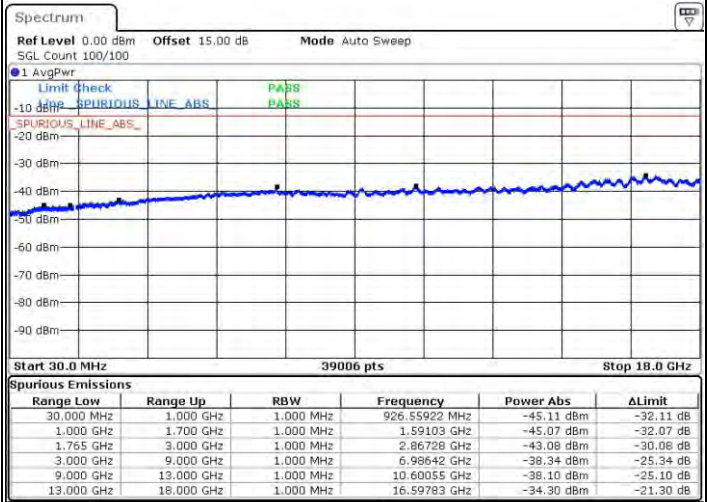
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 20.JUL.2015 17:27:46

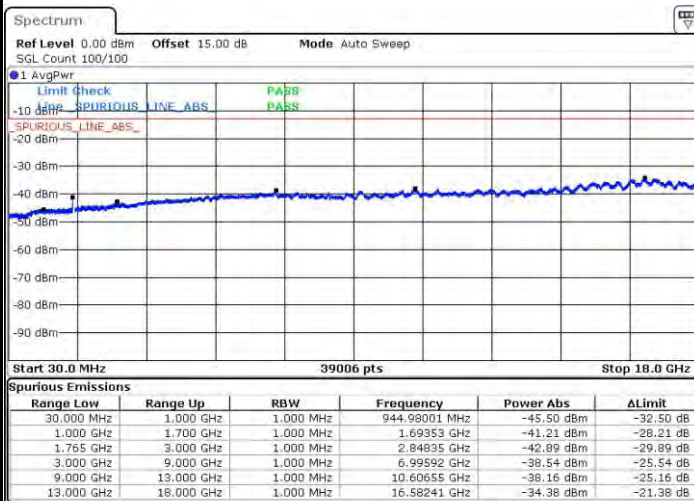
Highest Channel / 16QAM



Date: 20.JUL.2015 17:26:13

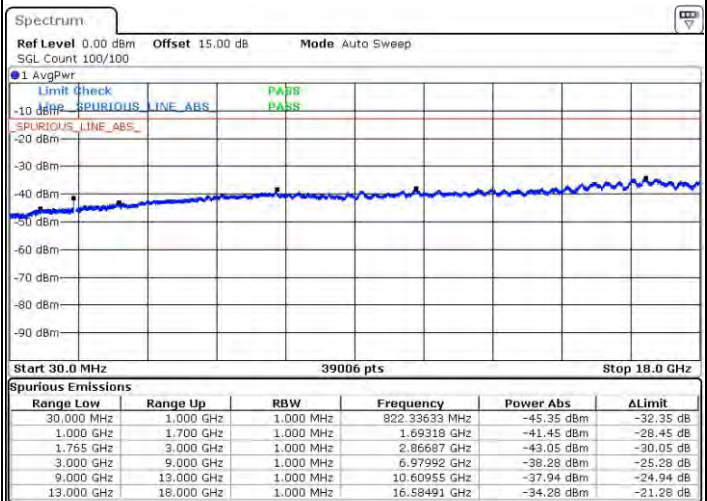
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 20.JUL.2015 17:28:50

Lowest Channel / 16QAM

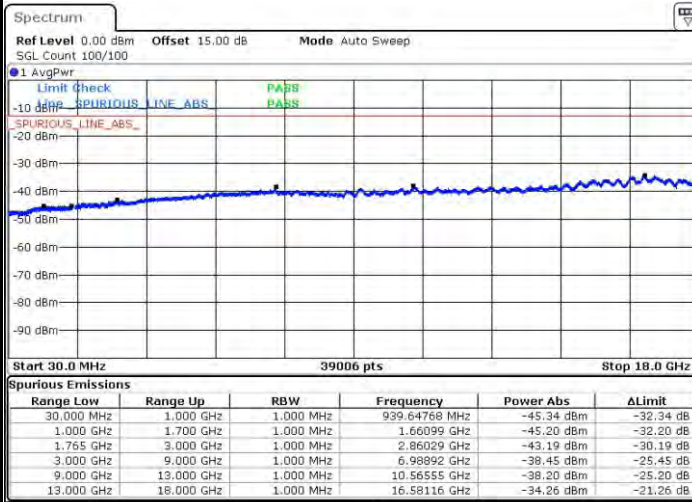


Date: 20.JUL.2015 17:28:43



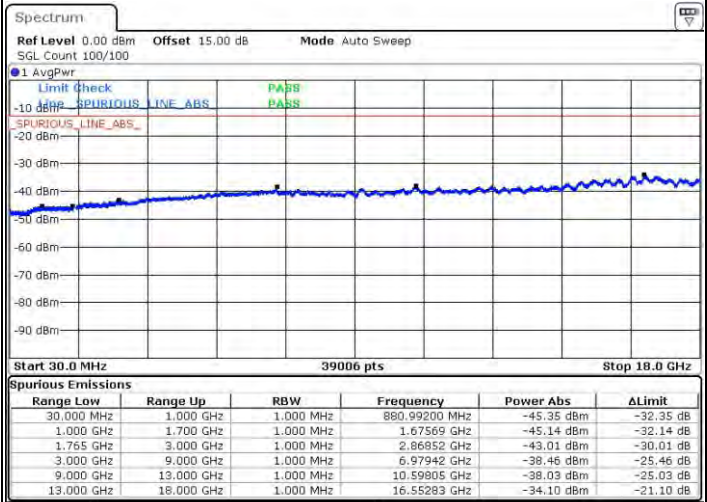
LTE Band 4 / 10MHz

Middle Channel / QPSK



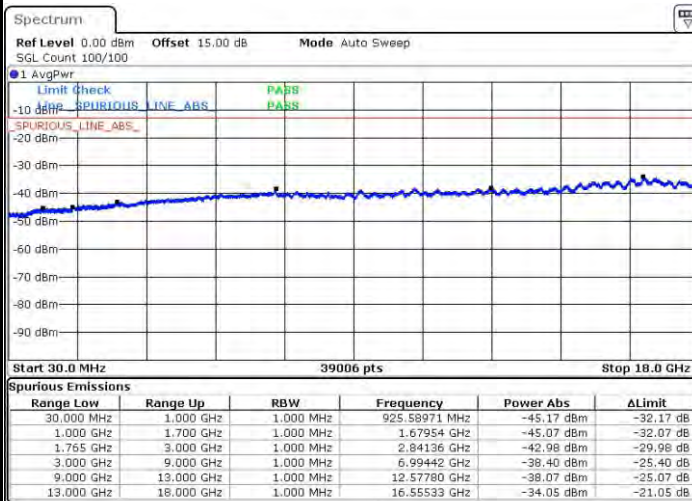
Date: 20.JUL.2015 17:31:58

Middle Channel / 16QAM



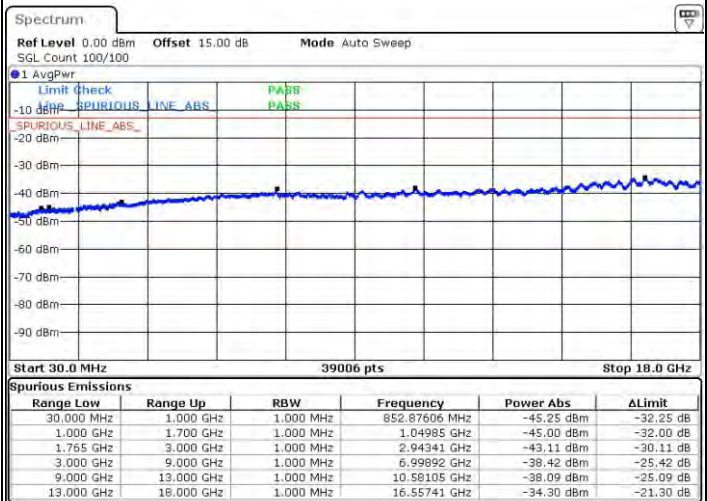
Date: 20.JUL.2015 17:31:08

Highest Channel / QPSK



Date: 20.JUL.2015 17:38:19

Highest Channel / 16QAM

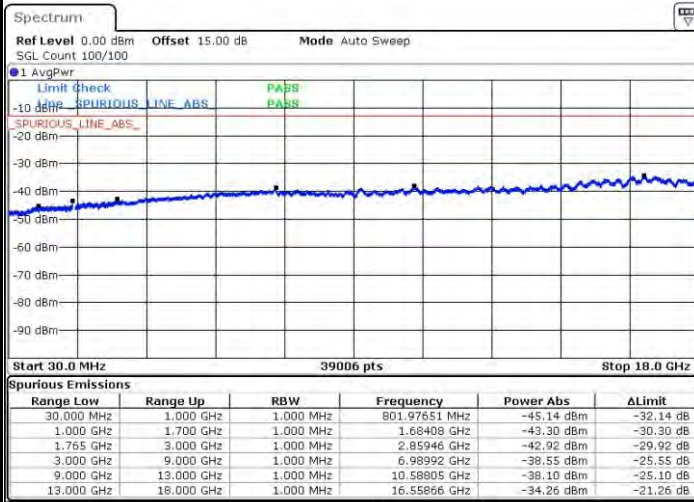


Date: 20.JUL.2015 17:40:31



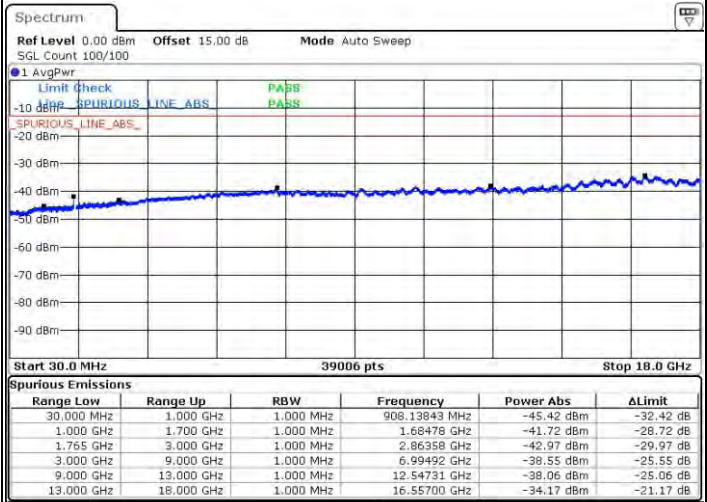
LTE Band 4 / 15MHz

Lowest Channel / QPSK



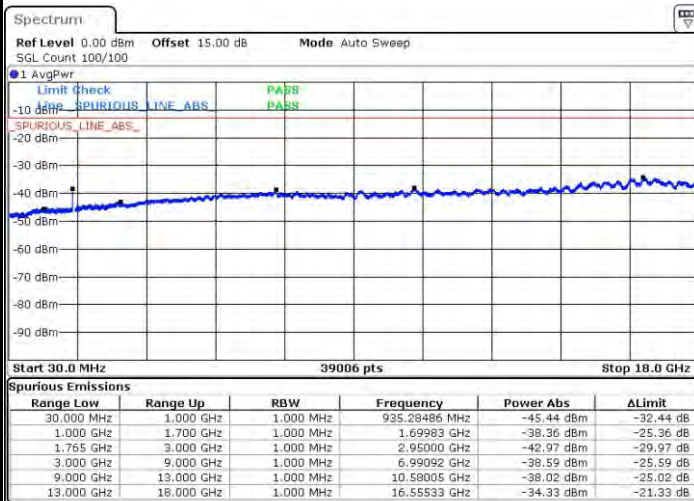
Date: 20.JUL.2015 17:43:08

Lowest Channel / 16QAM



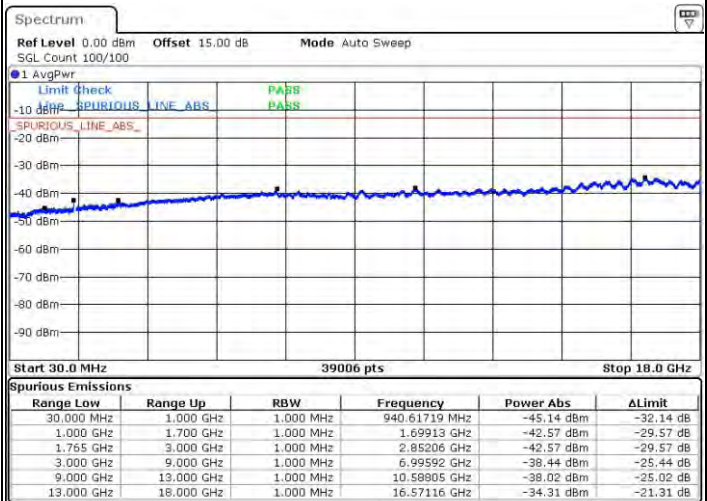
Date: 20.JUL.2015 17:41:57

Middle Channel / QPSK



Date: 20.JUL.2015 17:45:33

Middle Channel / 16QAM

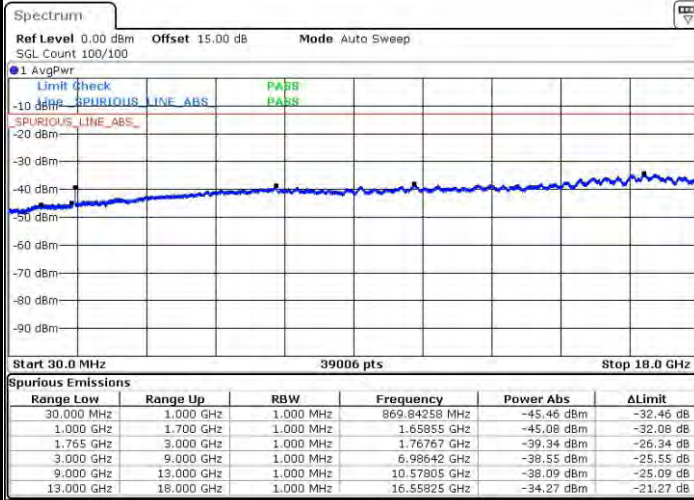


Date: 20.JUL.2015 17:48:37



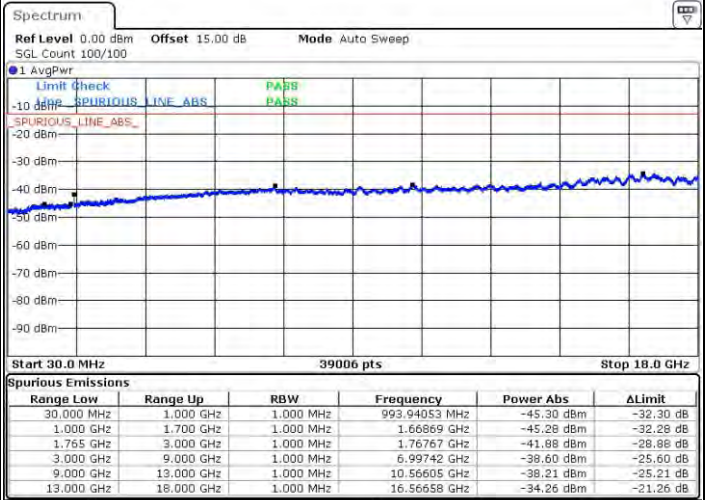
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 20.JUL.2015 17:52:37

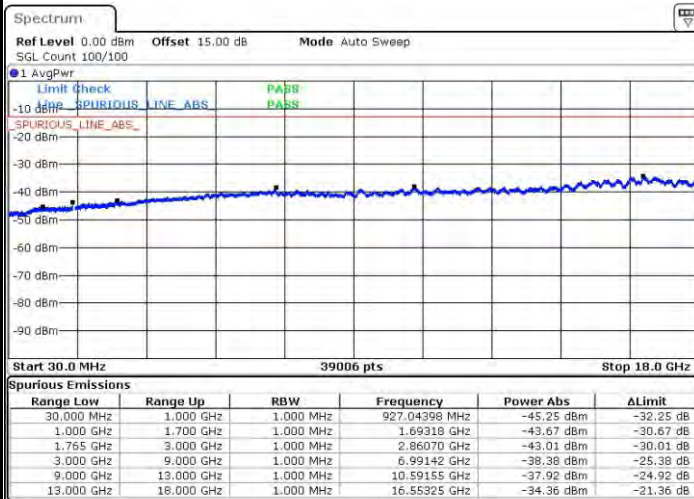
Highest Channel / 16QAM



Date: 20.JUL.2015 17:51:01

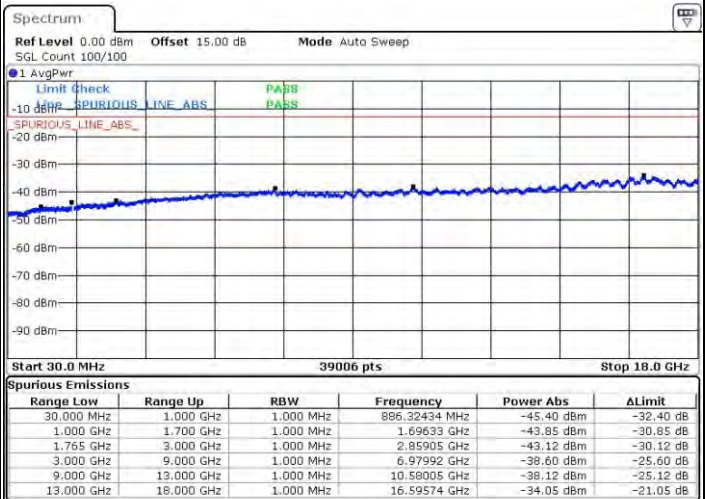
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 20.JUL.2015 17:54:39

Lowest Channel / 16QAM

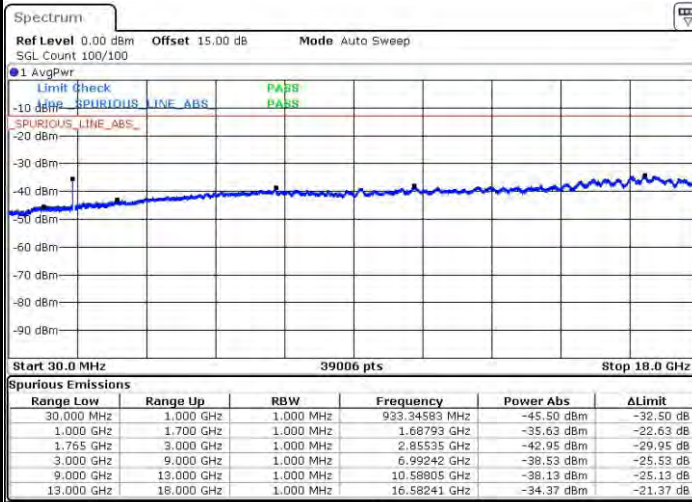


Date: 20.JUL.2015 17:56:37



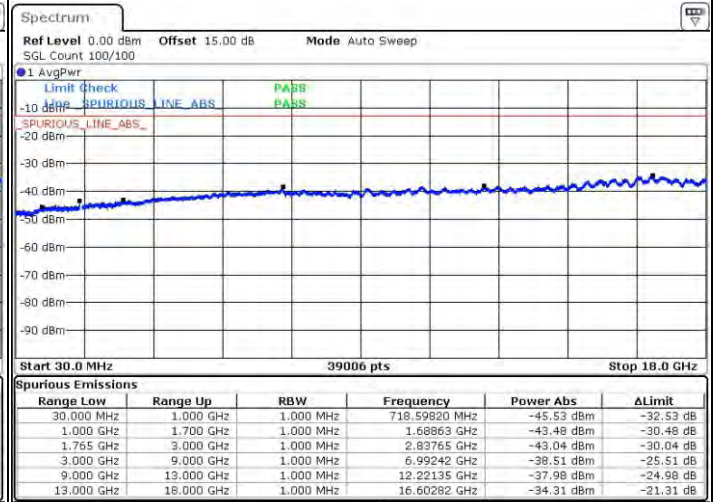
LTE Band 4 / 20MHz

Middle Channel / QPSK



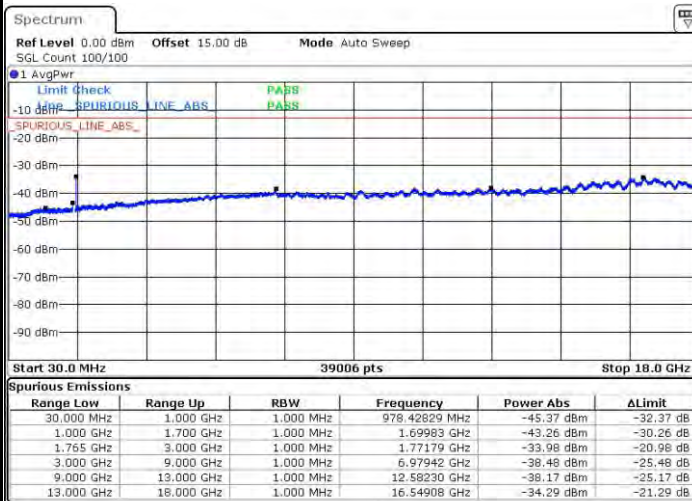
Date: 20.JUL.2015 17:58:55

Middle Channel / 16QAM



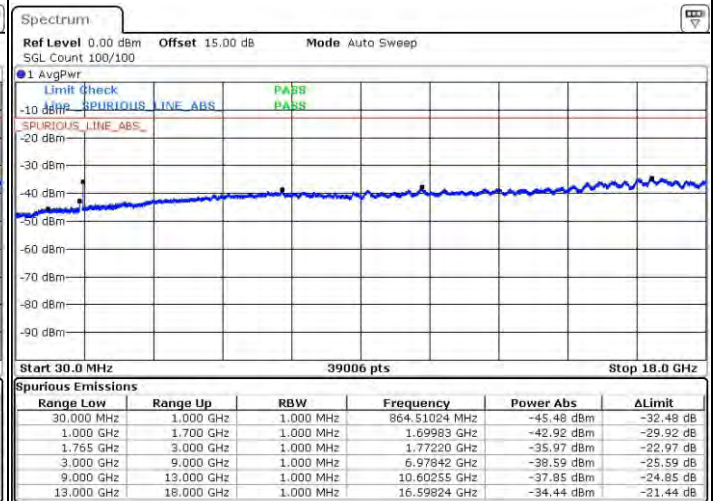
Date: 20.JUL.2015 17:59:45

Highest Channel / QPSK



Date: 20.JUL.2015 18:02:08

Highest Channel / 16QAM



Date: 20.JUL.2015 18:01:07



LTE Band 5

Conducted Output Power(Average power)

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.80	22.76	22.68
1.4	1	2		22.85	22.81	22.70
1.4	1	5		22.80	22.85	22.65
1.4	3	0		22.83	22.80	22.61
1.4	3	1		22.81	22.78	22.78
1.4	3	2		22.89	22.81	22.75
1.4	6	0		21.81	21.88	21.83
1.4	1	0	16-QAM	21.67	21.83	21.50
1.4	1	2		21.88	21.69	21.89
1.4	1	5		21.78	21.65	21.65
1.4	3	0		21.82	21.88	21.64
1.4	3	1		21.83	21.81	21.87
1.4	3	2		21.81	21.86	21.55
1.4	6	0		20.98	20.74	20.53
3	1	0	QPSK	22.90	22.71	22.80
3	1	7		22.83	22.76	22.88
3	1	14		22.81	22.74	22.78
3	8	0		21.94	21.81	21.68
3	8	4		21.93	21.80	21.86
3	8	7		21.93	21.86	21.81
3	15	0		21.92	21.87	21.86
3	1	0	16-QAM	21.44	21.78	21.63
3	1	7		21.62	21.76	21.59
3	1	14		21.93	21.42	21.75
3	8	0		20.85	20.66	20.73
3	8	4		20.79	20.69	20.63
3	8	7		20.85	20.73	20.81
3	15	0		20.84	20.78	20.59



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.84	22.83	22.56
5	1	12		22.81	22.79	22.86
5	1	24		22.81	22.85	22.71
5	12	0		21.78	21.84	21.76
5	12	6		21.98	21.75	21.63
5	12	11		21.91	21.85	21.67
5	25	0		21.80	21.73	21.58
5	1	0	16-QAM	21.75	21.55	21.57
5	1	12		21.91	21.89	21.52
5	1	24		21.63	21.85	21.64
5	12	0		20.90	20.84	20.77
5	12	6		20.78	20.95	20.70
5	12	11		20.91	20.83	20.75
5	25	0		20.75	20.71	20.59
10	1	0	QPSK	22.77	22.77	22.79
10	1	24		22.89	22.81	22.80
10	1	49		22.72	22.80	22.64
10	25	0		21.73	21.80	21.78
10	25	12		21.85	21.86	21.70
10	25	24		21.78	21.81	21.74
10	50	0		21.71	21.75	21.68
10	1	0	16-QAM	21.65	21.97	21.95
10	1	24		21.94	21.99	21.82
10	1	49		21.93	21.95	21.78
10	25	0		20.70	20.64	20.88
10	25	12		20.72	20.73	20.69
10	25	24		20.80	20.72	20.73
10	50	0		20.70	20.66	20.67

**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



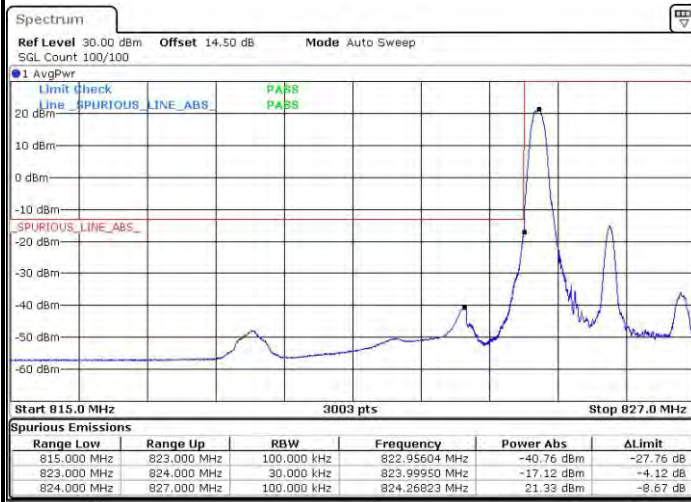
Highest Band Edge / Full RB



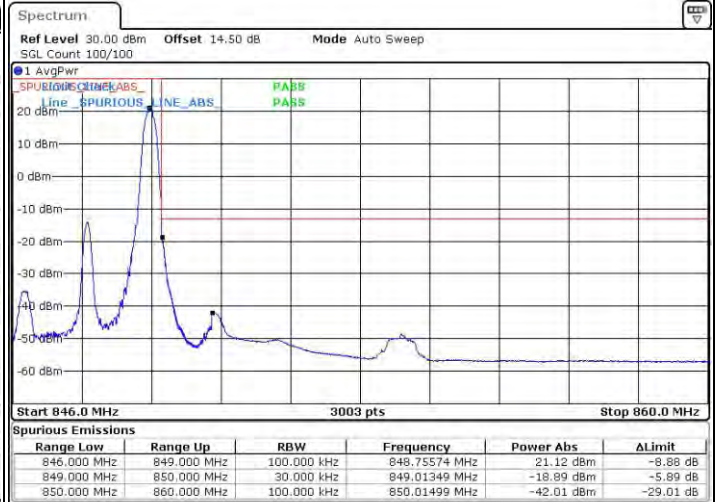


LTE Band 5 / 3MHz / QPSK

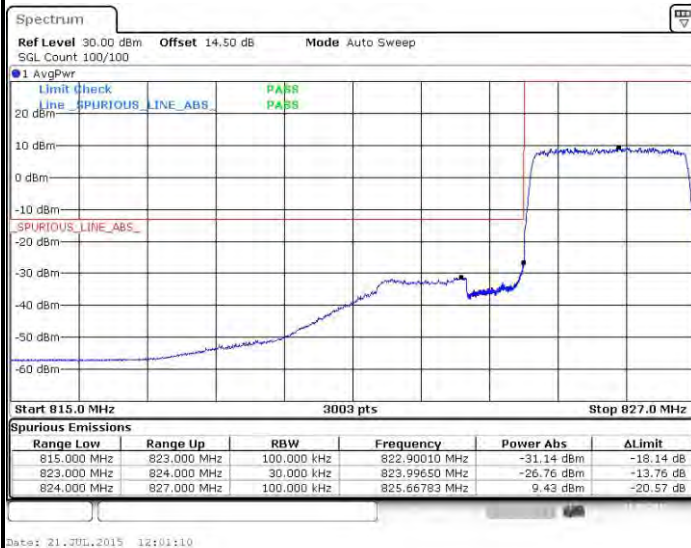
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



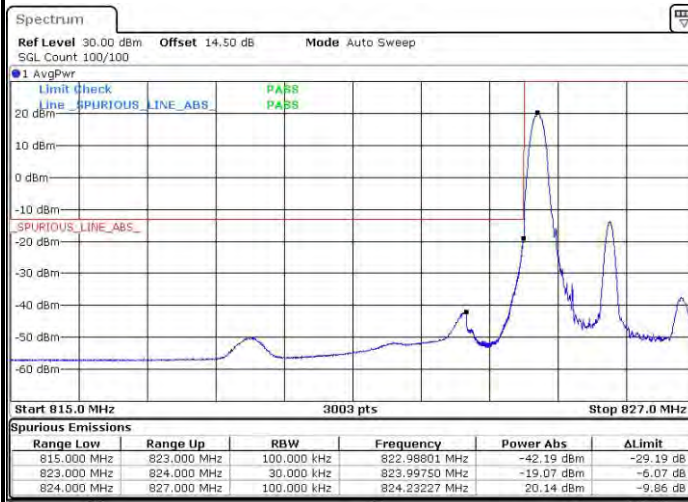
Highest Band Edge / Full RB



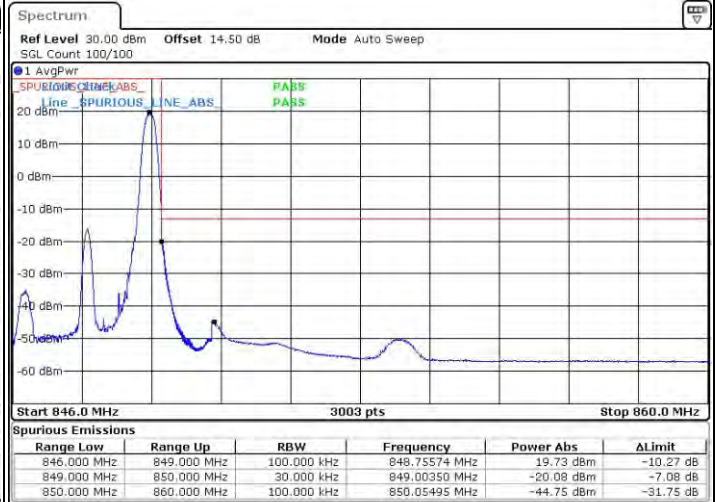


LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



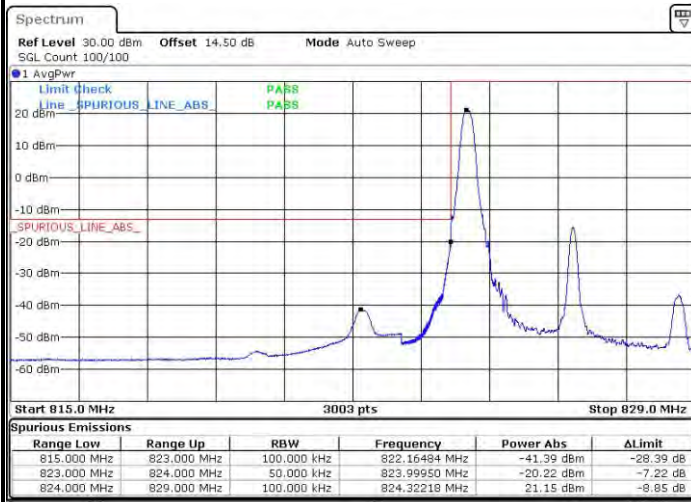
Highest Band Edge / Full RB



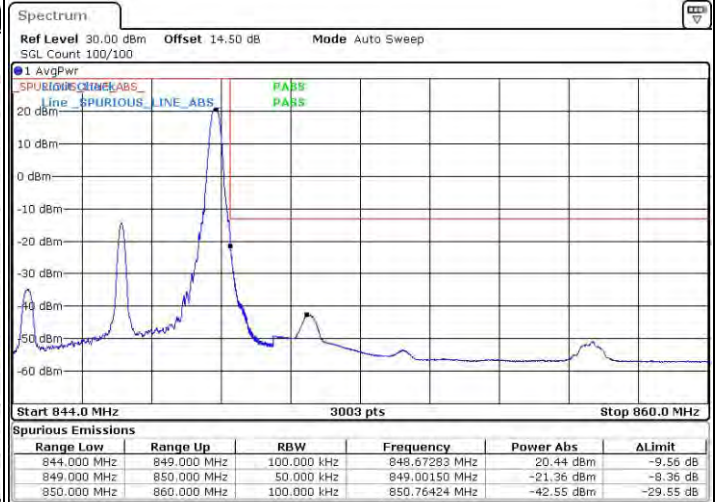


LTE Band 5 / 5MHz / QPSK

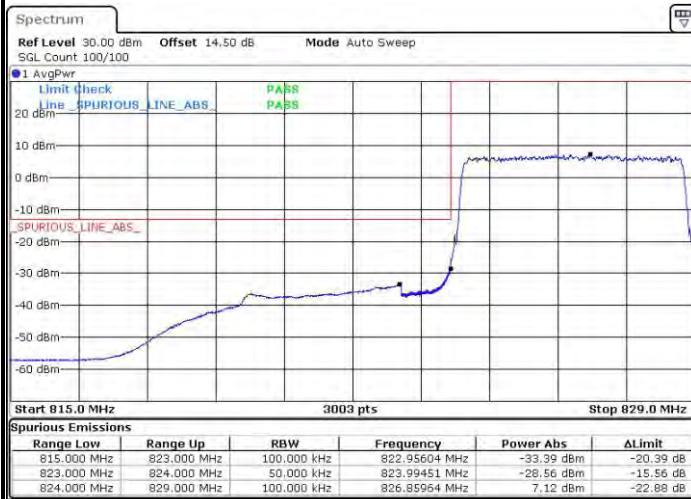
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



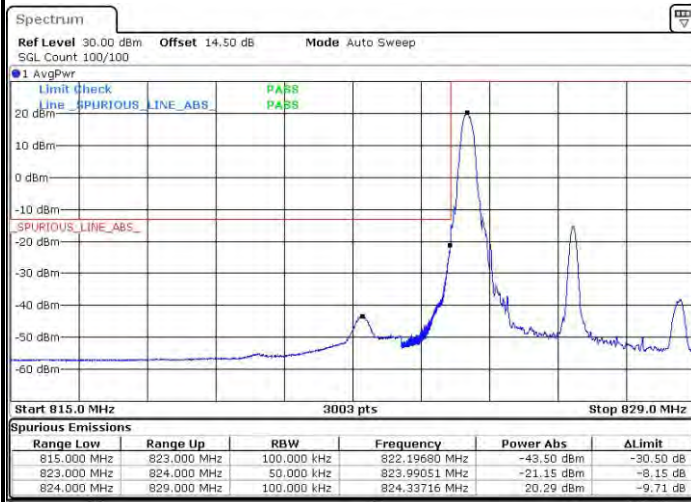
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 16QAM

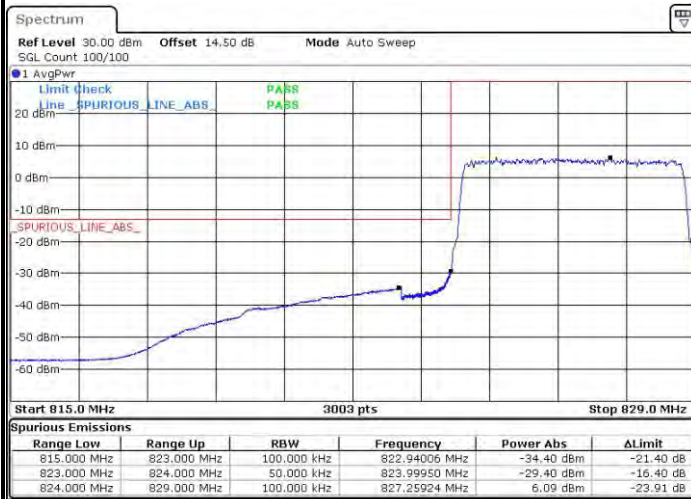
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



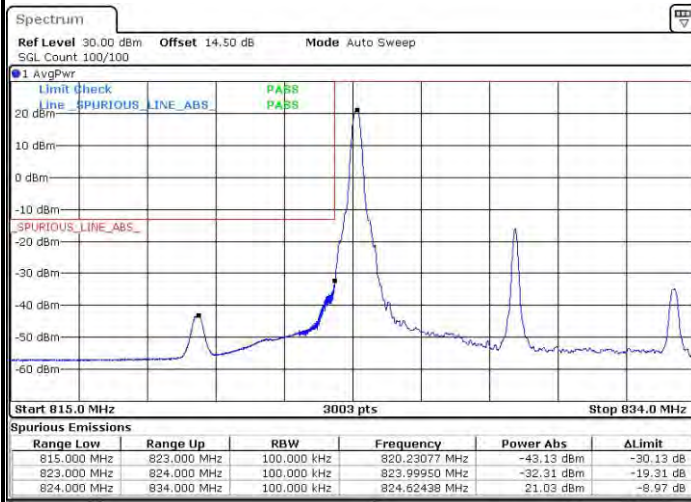
Highest Band Edge / Full RB



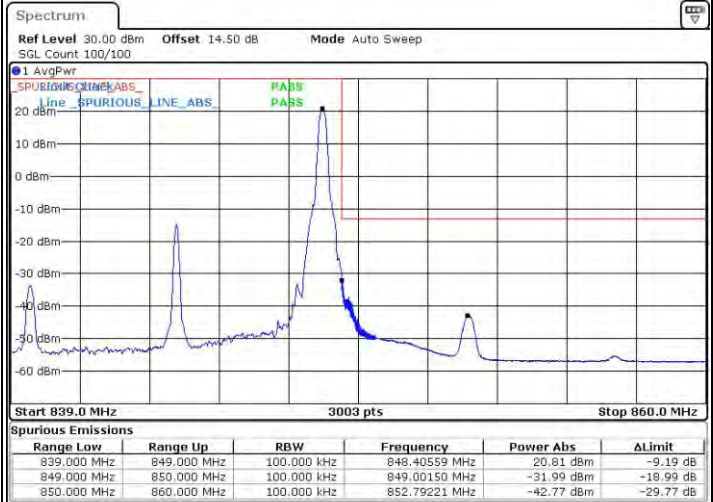


LTE Band 5 / 10MHz / QPSK

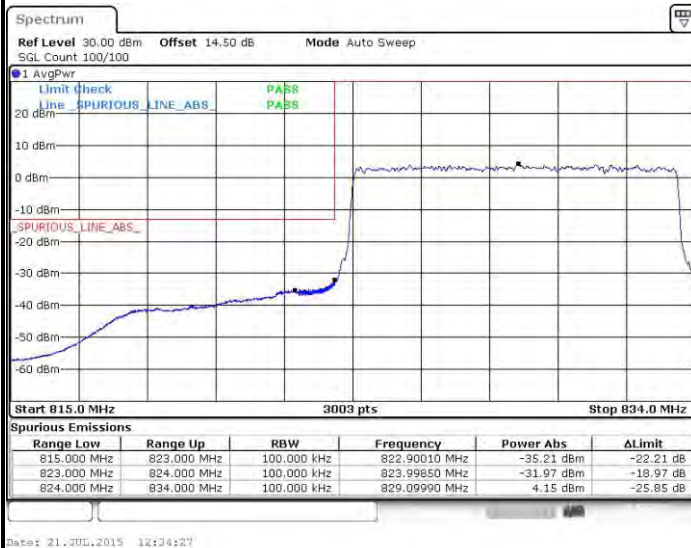
Lowest Band Edge / 1 RB



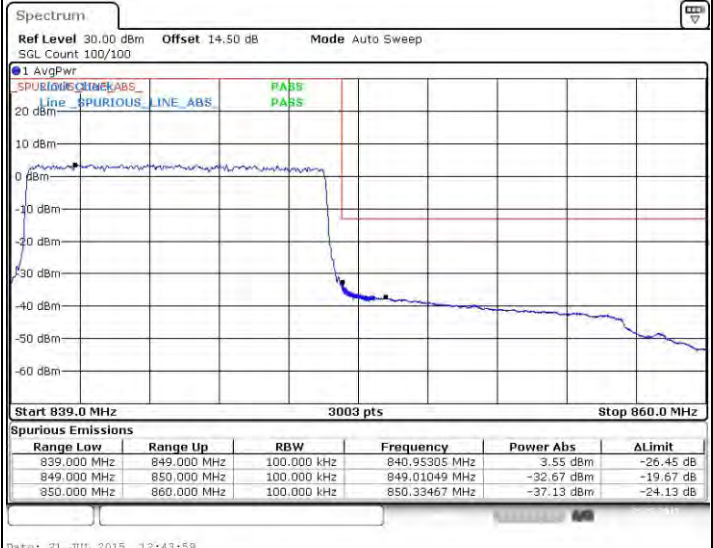
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



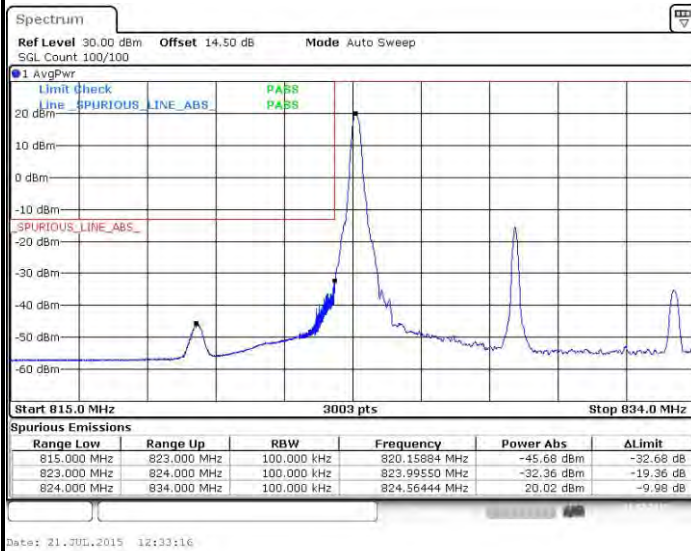
Highest Band Edge / Full RB



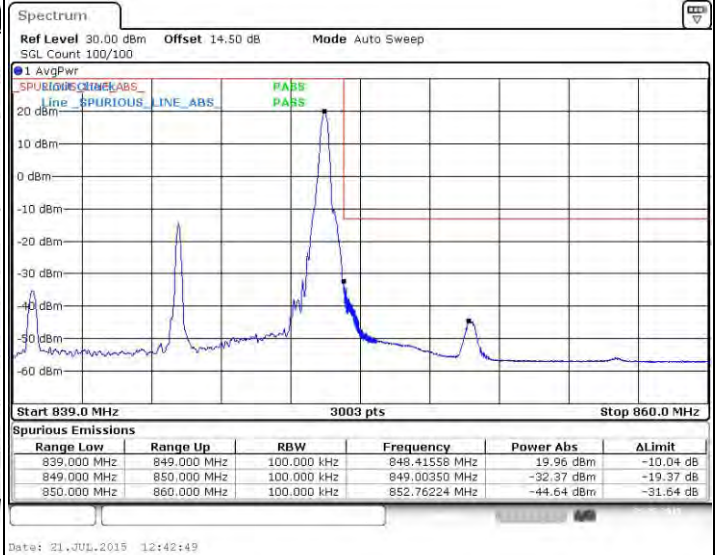


LTE Band 5 / 10MHz / 16QAM

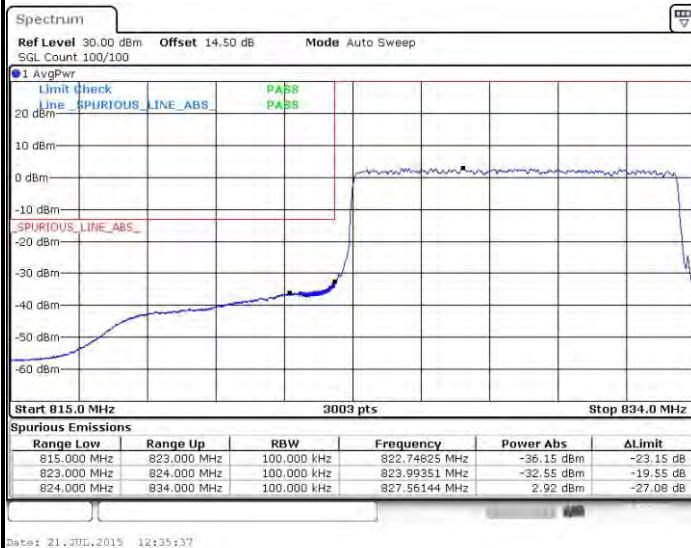
Lowest Band Edge / 1 RB



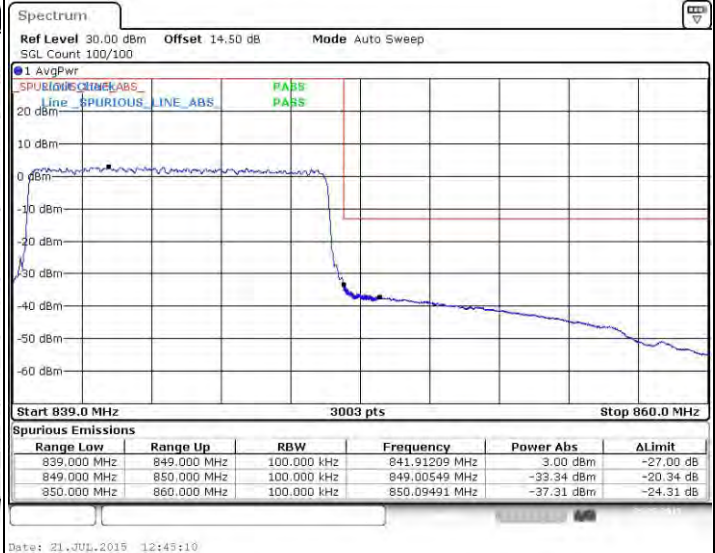
Highest Band Edge / 1 RB

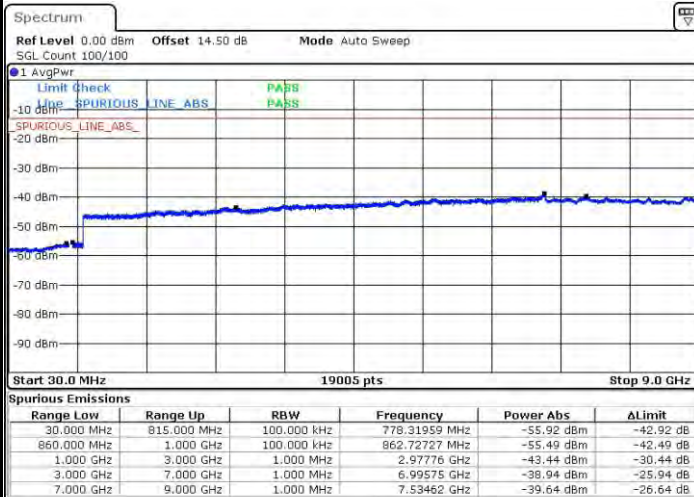


Lowest Band Edge / Full RB

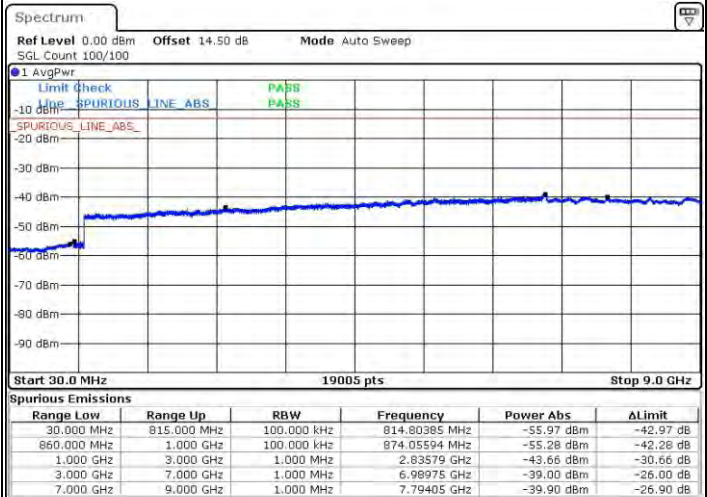


Highest Band Edge / Full RB

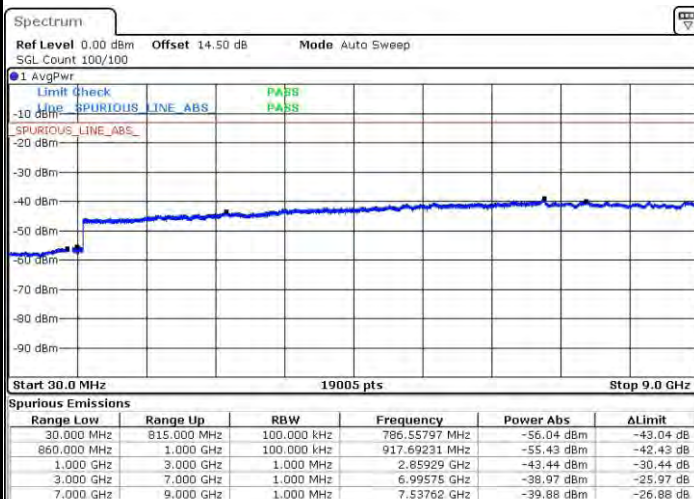


**Conducted Spurious Emission****LTE Band 5 / 1.4MHz****Lowest Channel / QPSK**

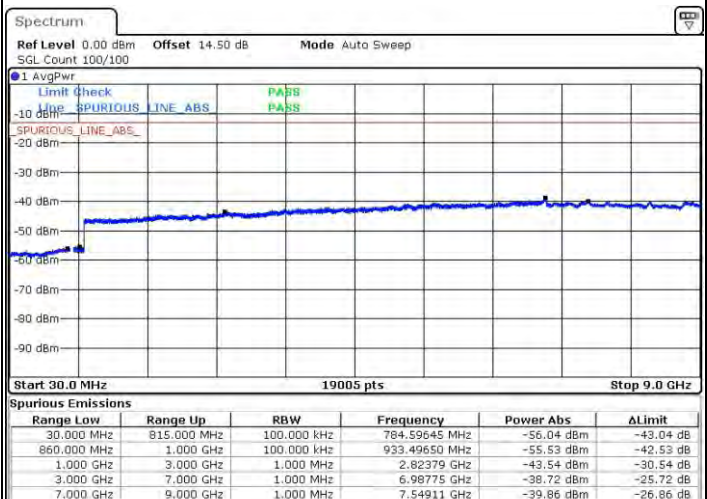
Date: 21.JUL.2015 11:21:53

Lowest Channel / 16QAM

Date: 21.JUL.2015 11:24:05

Middle Channel / QPSK

Date: 21.JUL.2015 11:25:17

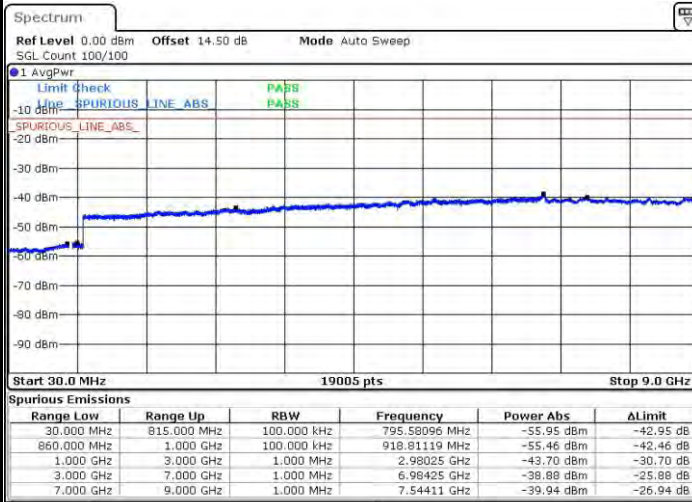
Middle Channel / 16QAM

Date: 21.JUL.2015 11:26:29



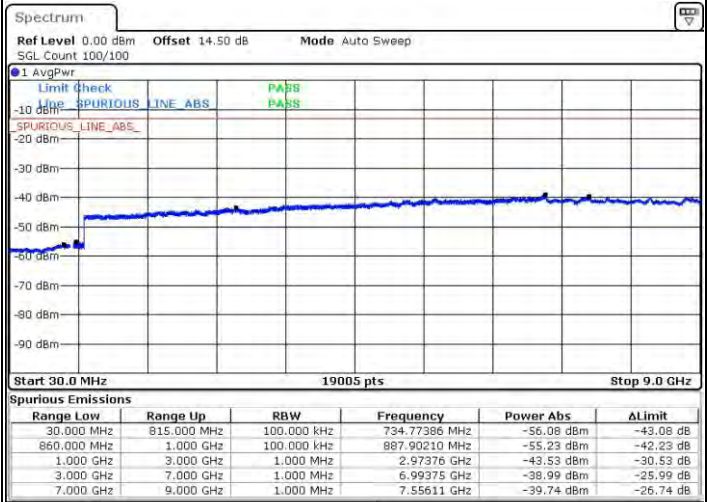
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 21.JUL.2015 11:38:42

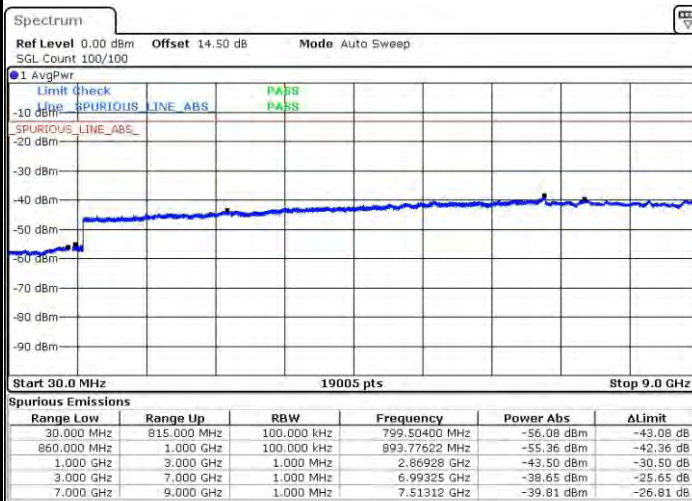
Highest Channel / 16QAM



Date: 21.JUL.2015 12:58:03

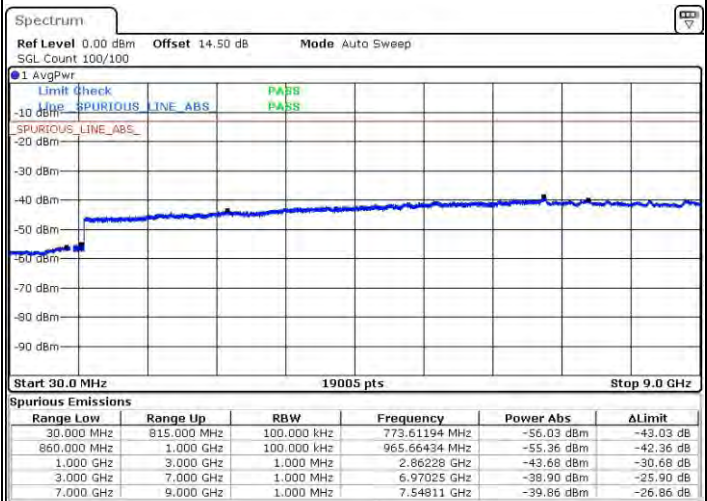
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 21.JUL.2015 12:03:34

Lowest Channel / 16QAM

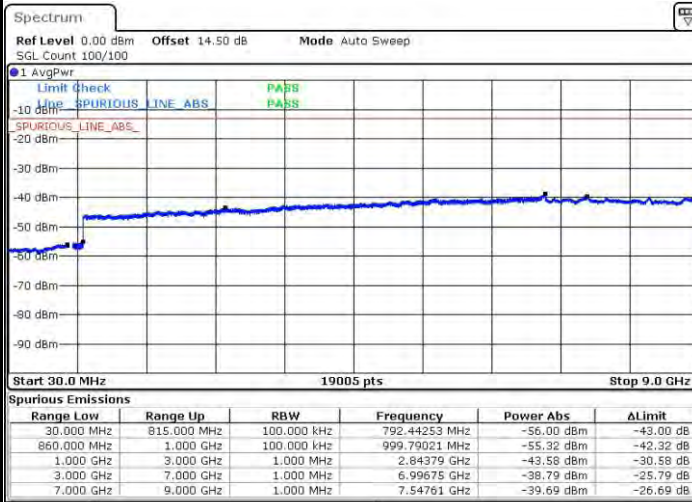


Date: 21.JUL.2015 12:04:46



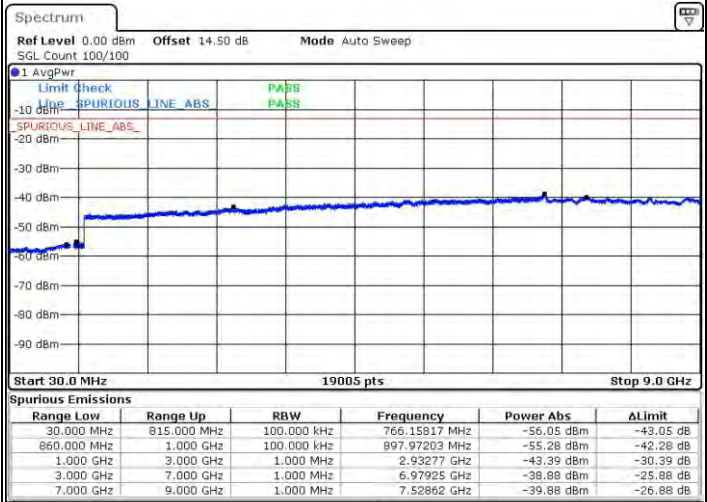
LTE Band 5 / 3MHz

Middle Channel / QPSK



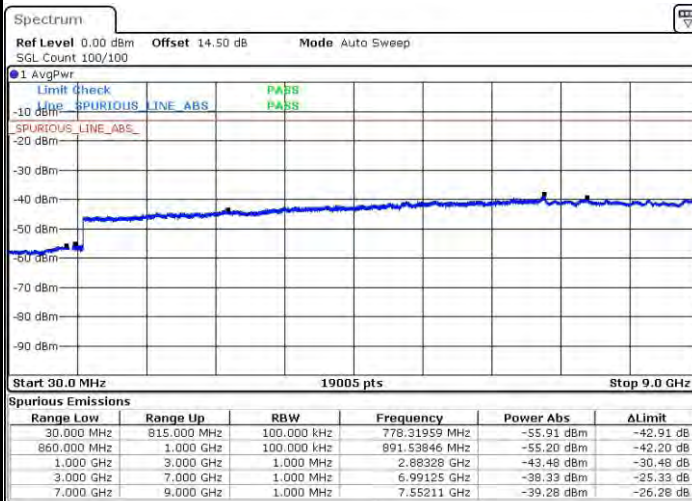
Date: 21.JUL.2015 12:05:58

Middle Channel / 16QAM



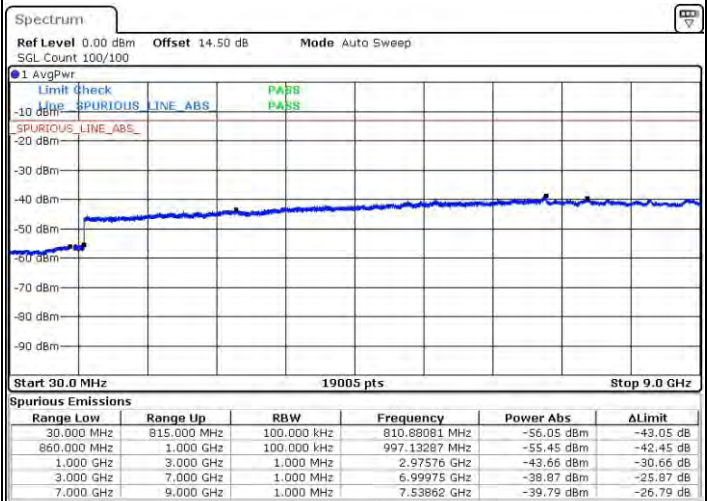
Date: 21.JUL.2015 12:07:10

Highest Channel / QPSK



Date: 21.JUL.2015 12:13:05

Highest Channel / 16QAM

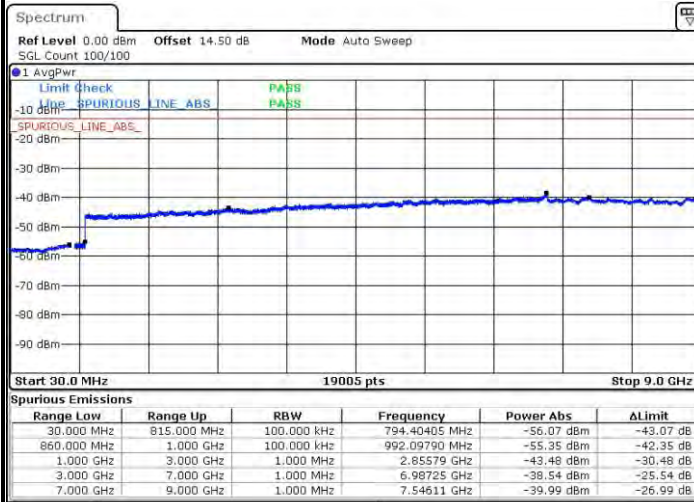


Date: 21.JUL.2015 12:14:17



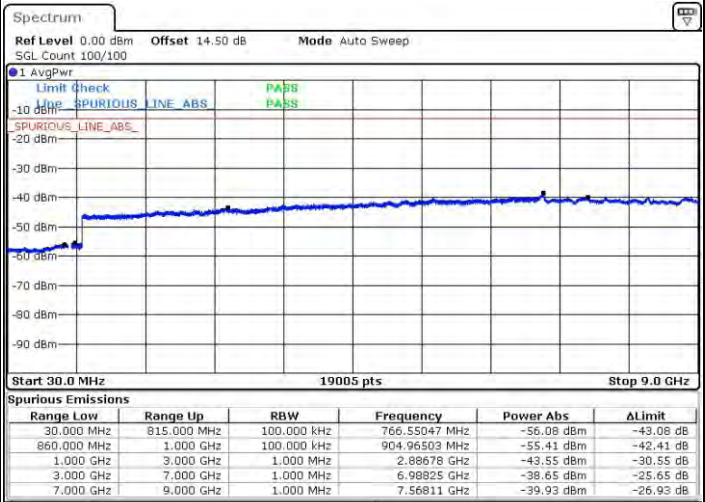
LTE Band 5 / 5MHz

Lowest Channel / QPSK



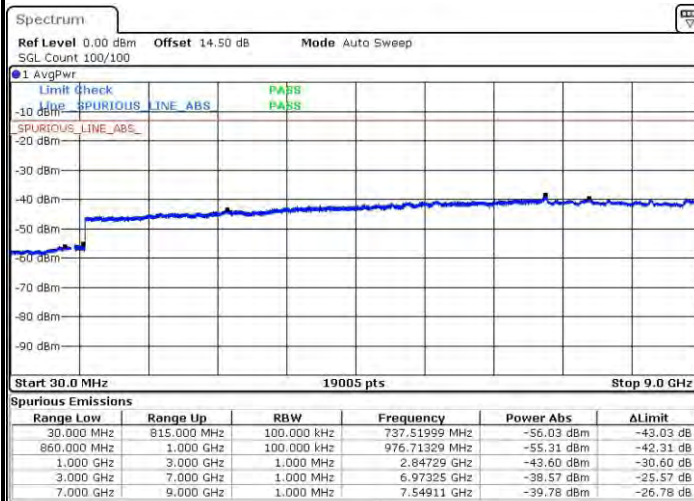
Date: 21.JUL.2015 12:20:11

Lowest Channel / 16QAM



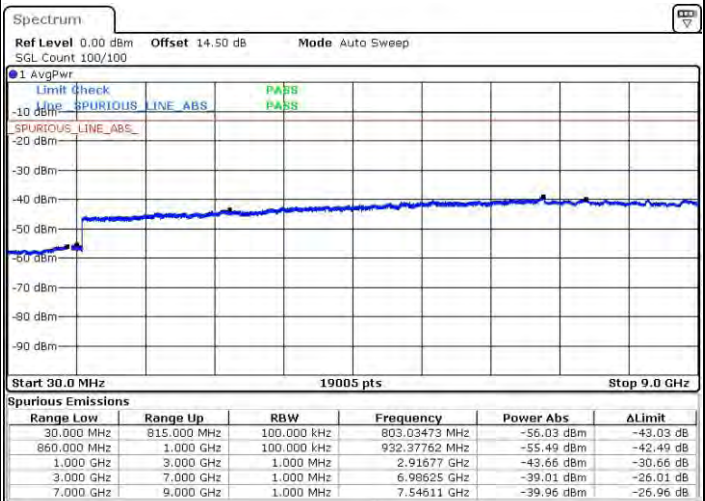
Date: 21.JUL.2015 12:21:24

Middle Channel / QPSK



Date: 21.JUL.2015 12:22:36

Middle Channel / 16QAM

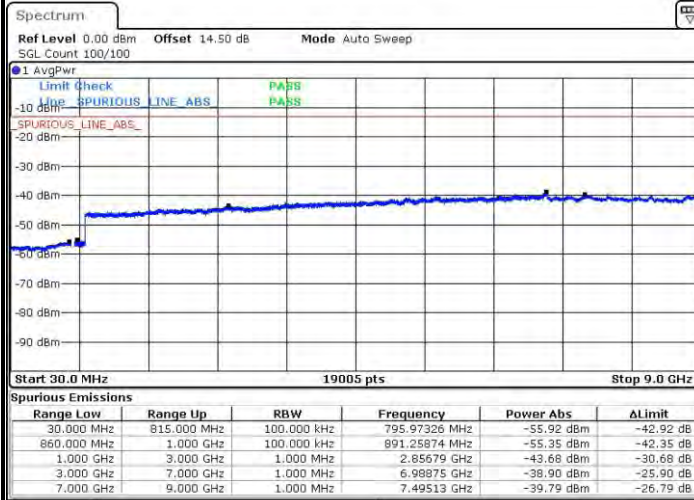


Date: 21.JUL.2015 12:23:40



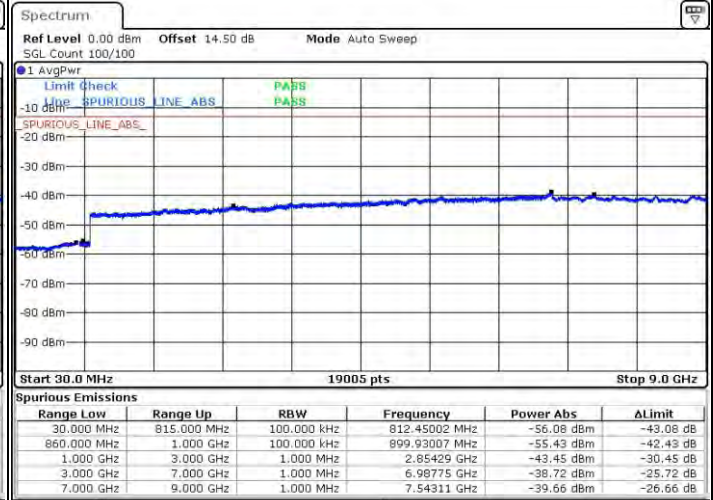
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 21.JUL.2015 12:29:43

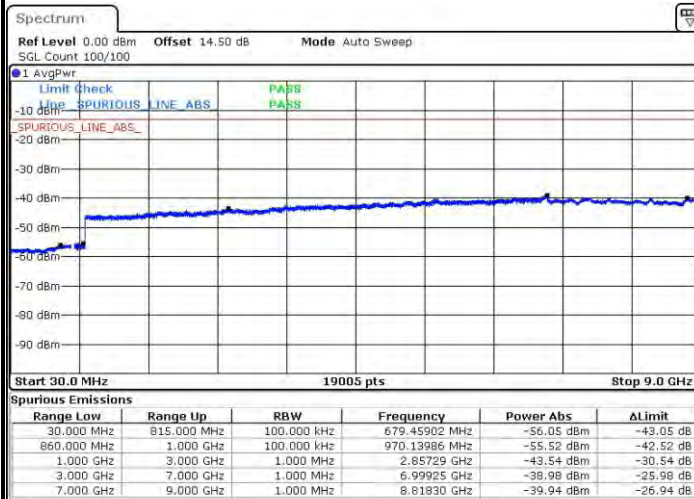
Highest Channel / 16QAM



Date: 21.JUL.2015 12:30:55

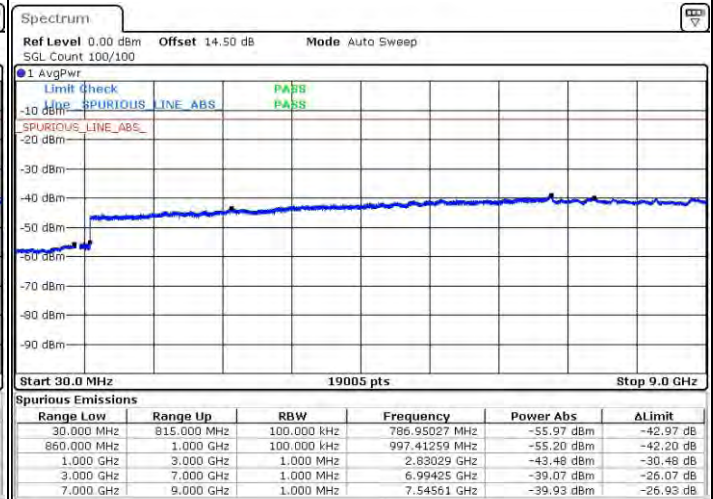
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 21.JUL.2015 12:36:31

Lowest Channel / 16QAM

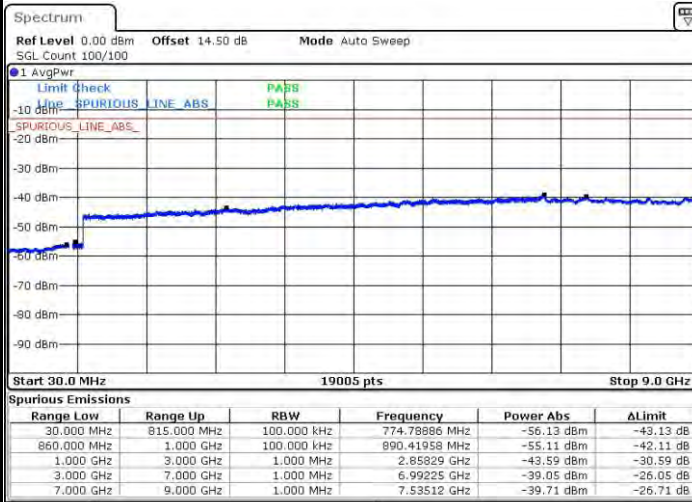


Date: 21.JUL.2015 12:38:04



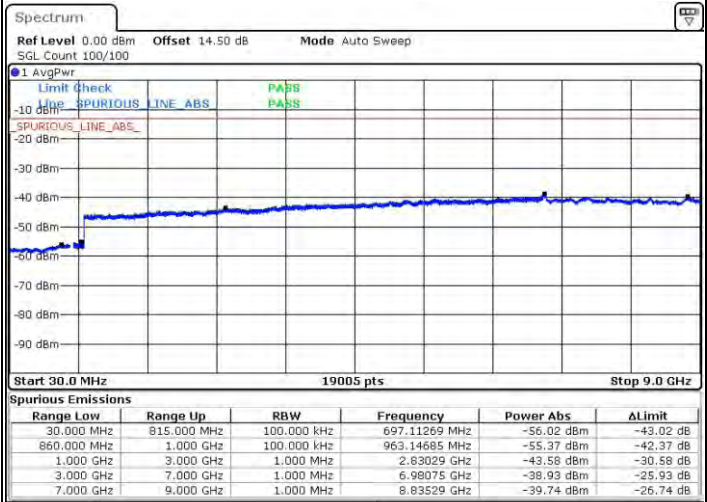
LTE Band 5 / 10MHz

Middle Channel / QPSK



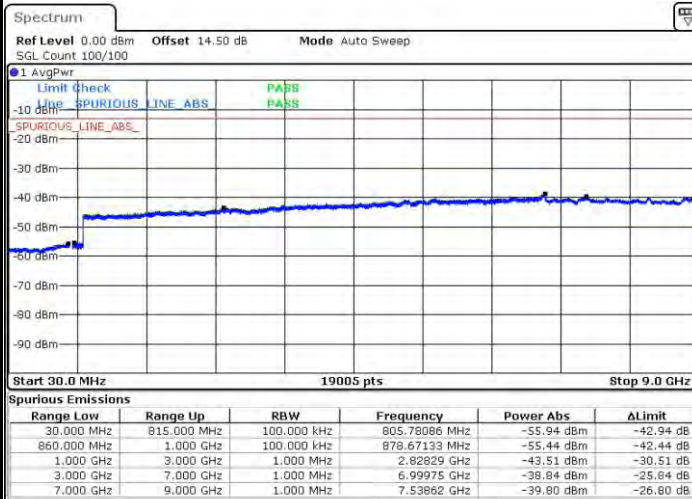
Date: 21.JUL.2015 12:39:16

Middle Channel / 16QAM



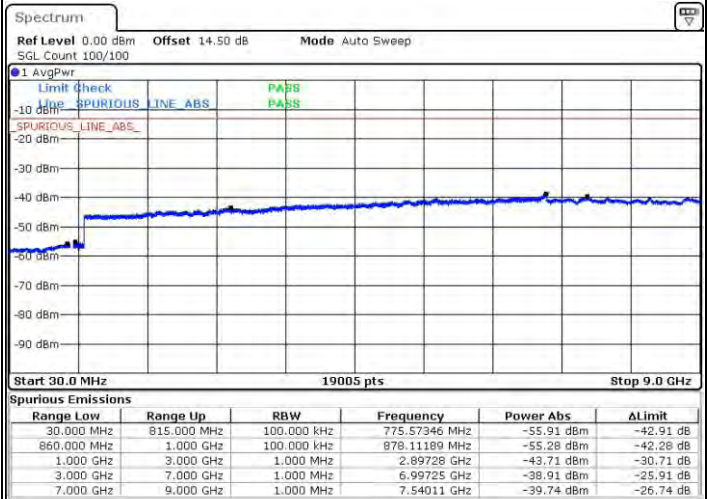
Date: 21.JUL.2015 12:40:29

Highest Channel / QPSK



Date: 21.JUL.2015 12:46:23

Highest Channel / 16QAM



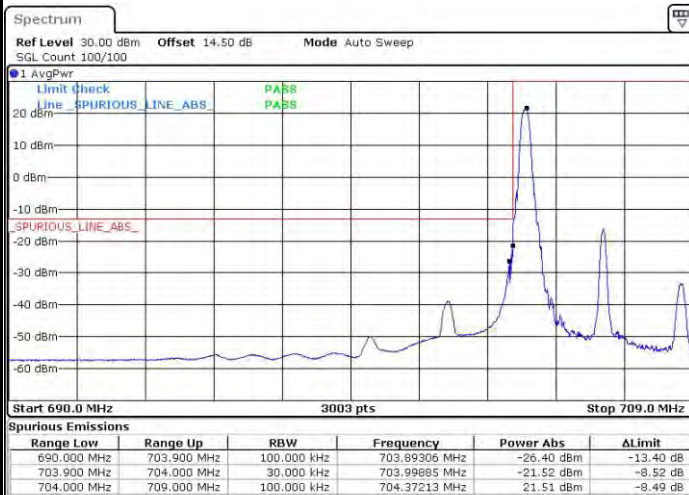
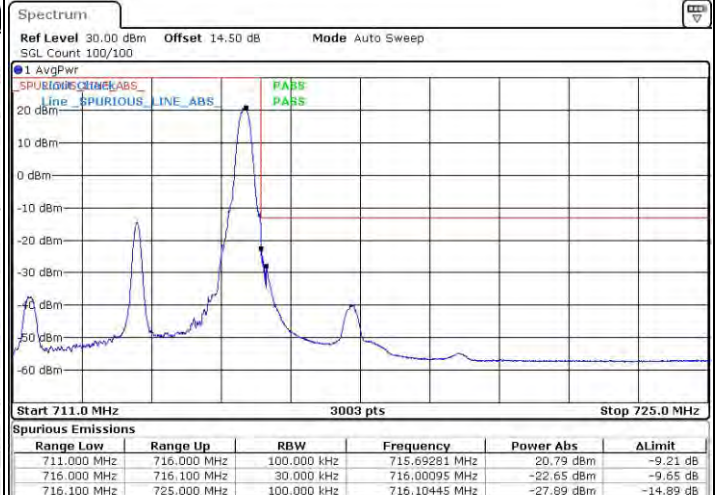
Date: 21.JUL.2015 12:47:35



LTE Band 17

Conducted Output Power(Average power)

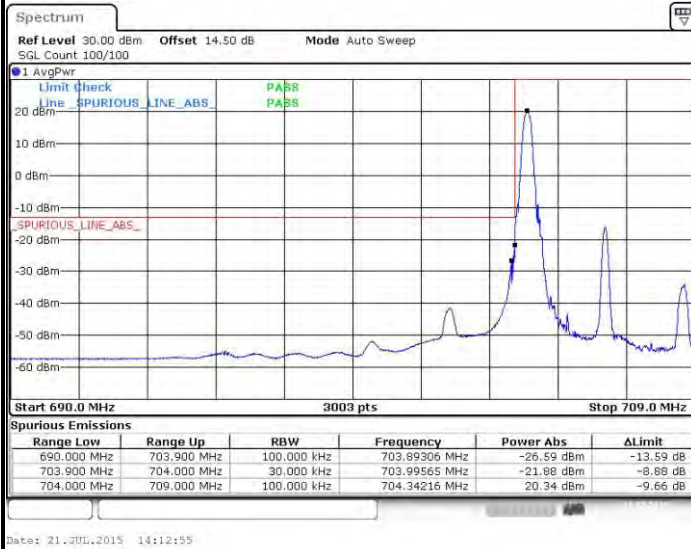
LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.26	23.19	23.01
5	1	12		23.11	23.15	23.13
5	1	24		23.29	23.15	22.80
5	12	0		22.16	22.21	22.16
5	12	6		22.13	22.19	22.16
5	12	11		22.14	22.02	22.12
5	25	0		22.16	22.08	22.05
5	1	0	16-QAM	22.21	21.82	22.13
5	1	12		21.84	22.33	22.07
5	1	24		22.30	22.22	21.73
5	12	0		21.18	21.26	21.21
5	12	6		21.18	21.21	21.14
5	12	11		21.14	21.04	21.15
5	25	0		21.03	21.05	21.07
10	1	0	QPSK	23.17	23.11	23.08
10	1	24		23.27	23.28	23.10
10	1	49		23.23	23.24	23.01
10	25	0		22.20	22.14	22.21
10	25	12		22.25	22.21	22.26
10	25	24		22.24	22.15	22.15
10	50	0		22.11	22.10	21.98
10	1	0	16-QAM	22.11	22.25	22.20
10	1	24		22.38	22.11	22.25
10	1	49		22.29	22.23	21.91
10	25	0		21.15	21.07	21.05
10	25	12		21.15	21.06	21.11
10	25	24		21.14	21.08	21.10
10	50	0		21.03	21.04	20.97

**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

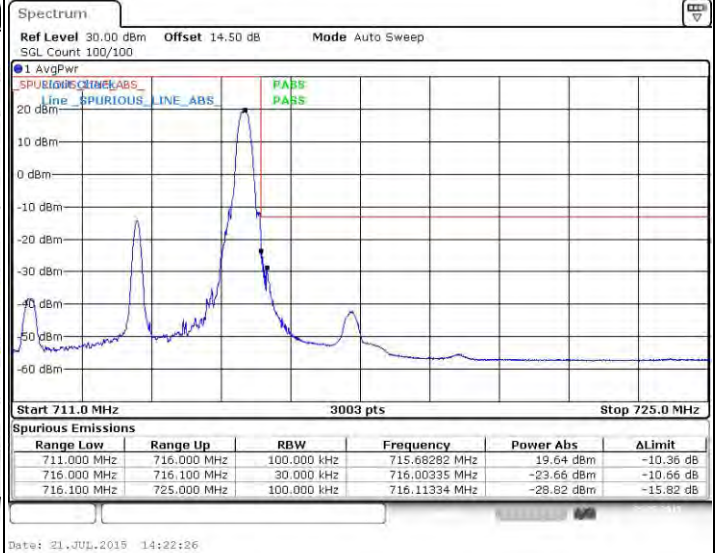


LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



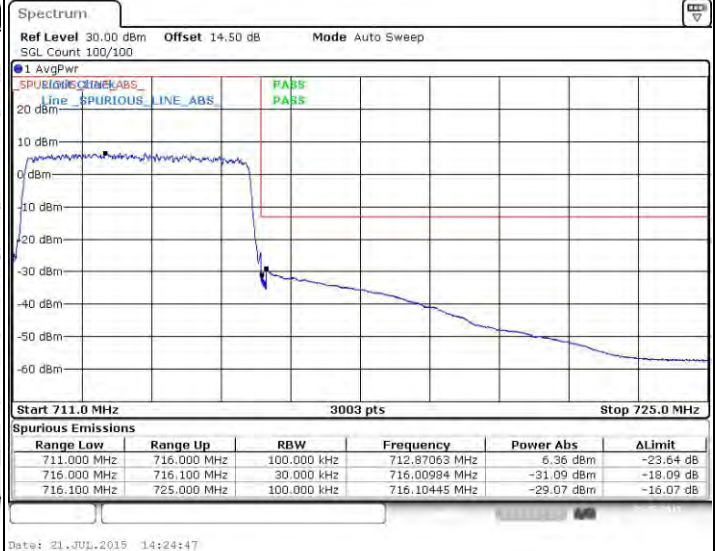
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



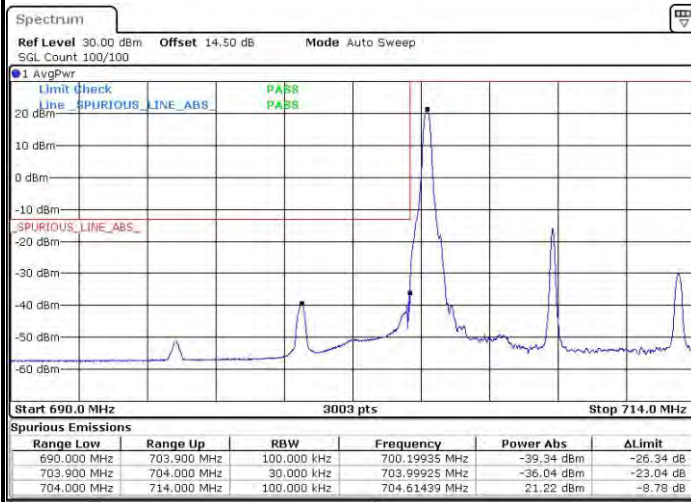
Highest Band Edge / Full RB



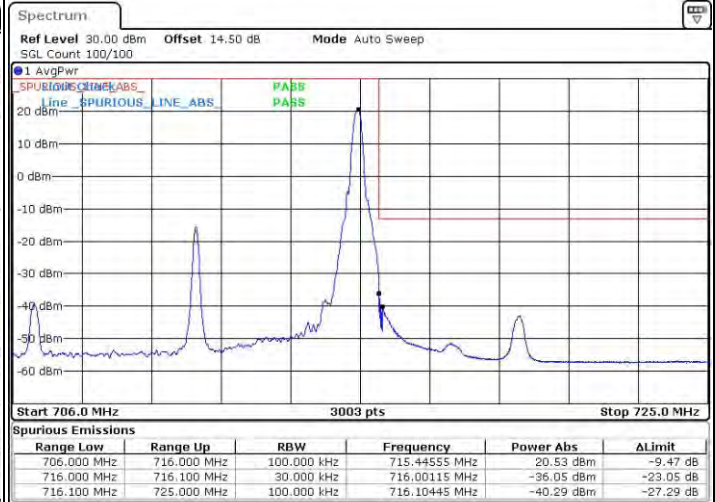


LTE Band 17 / 10MHz / QPSK

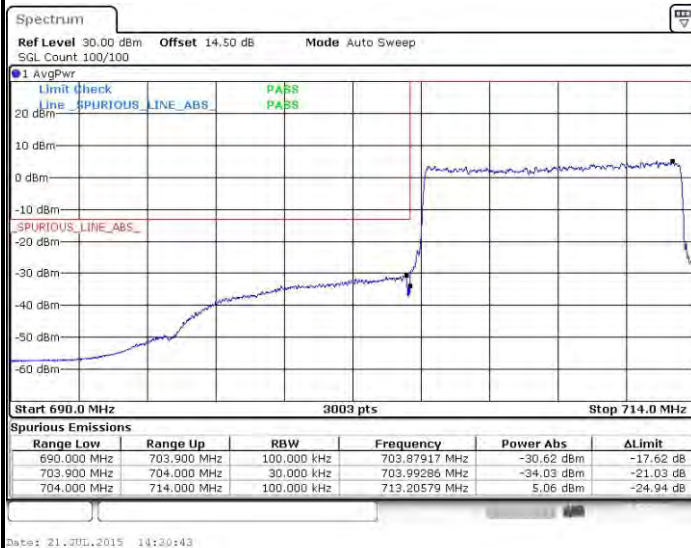
Lowest Band Edge / 1 RB



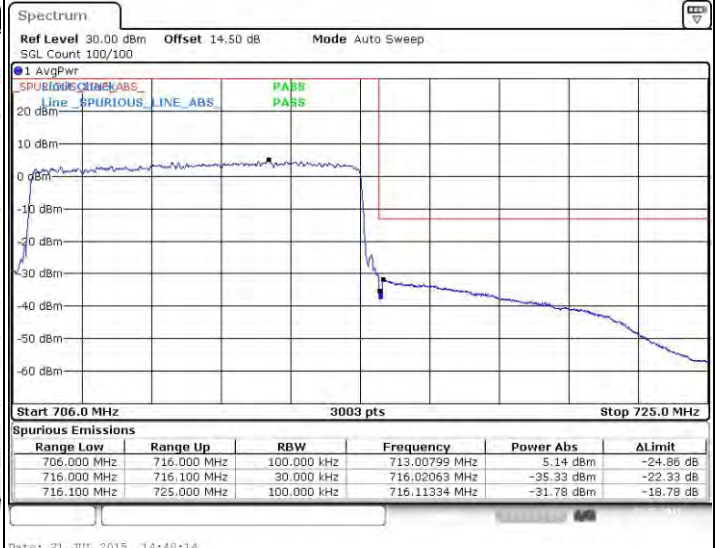
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



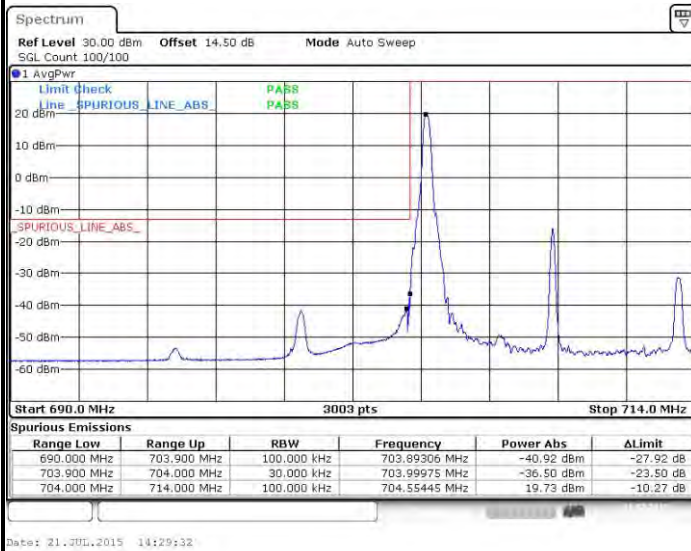
Highest Band Edge / Full RB



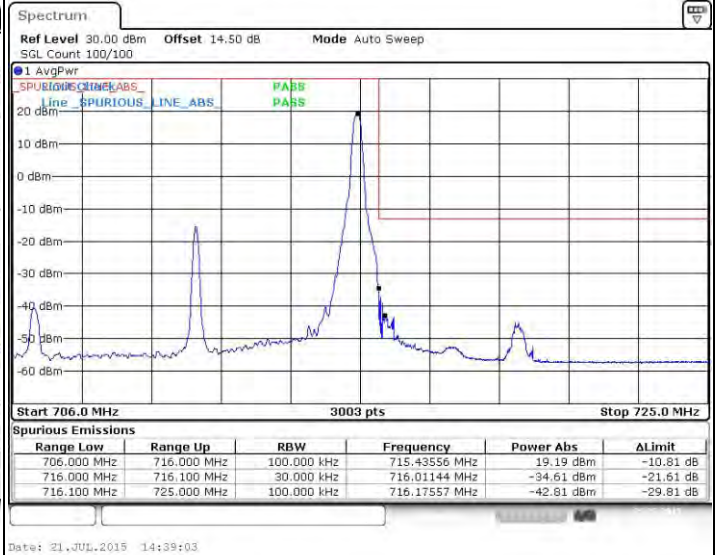


LTE Band 17 / 10MHz / 16QAM

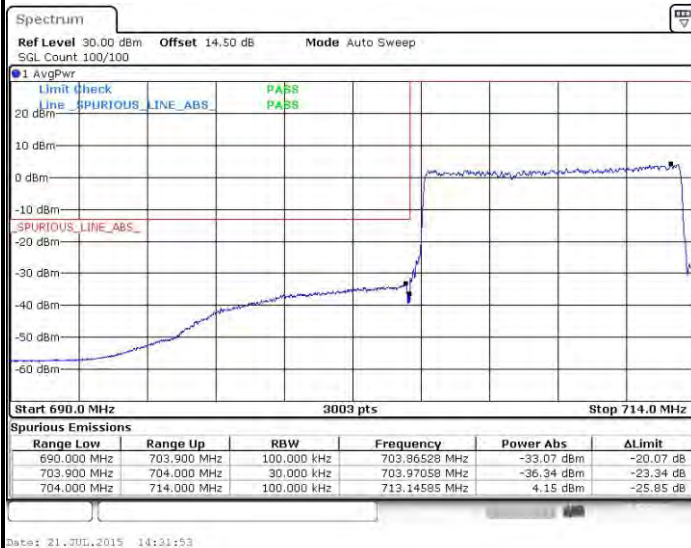
Lowest Band Edge / 1 RB



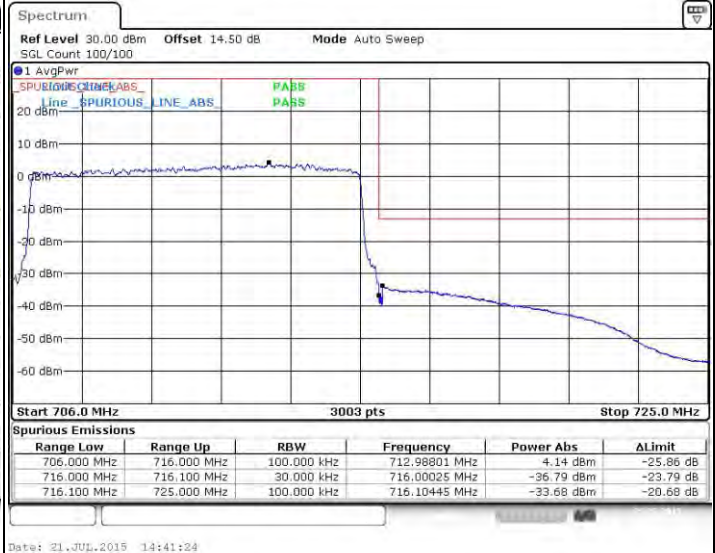
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

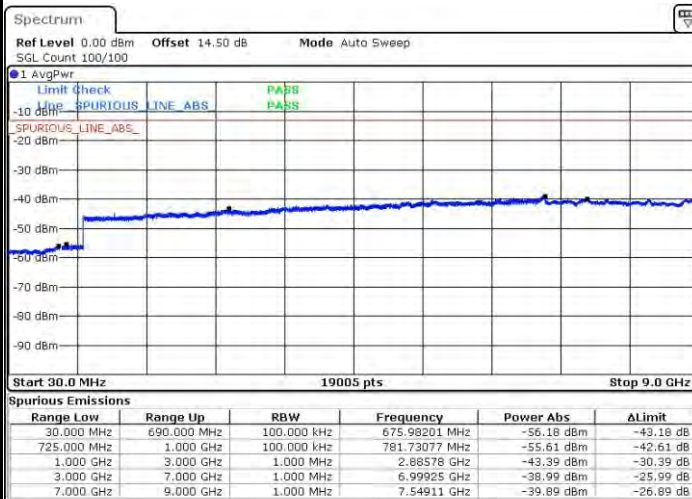




Conducted Spurious Emission

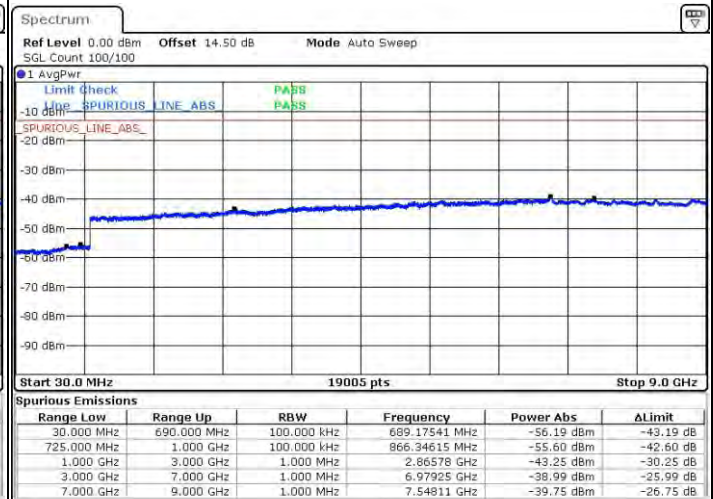
LTE Band 17 / 5MHz

Lowest Channel / QPSK



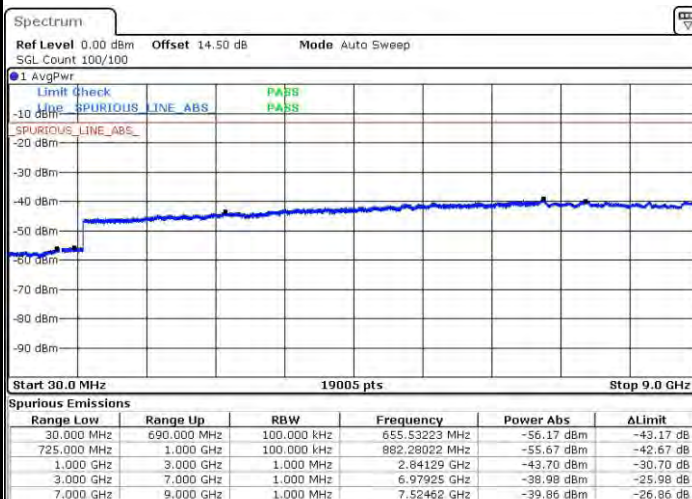
Date: 21.JUL.2015 14:16:29

Lowest Channel / 16QAM



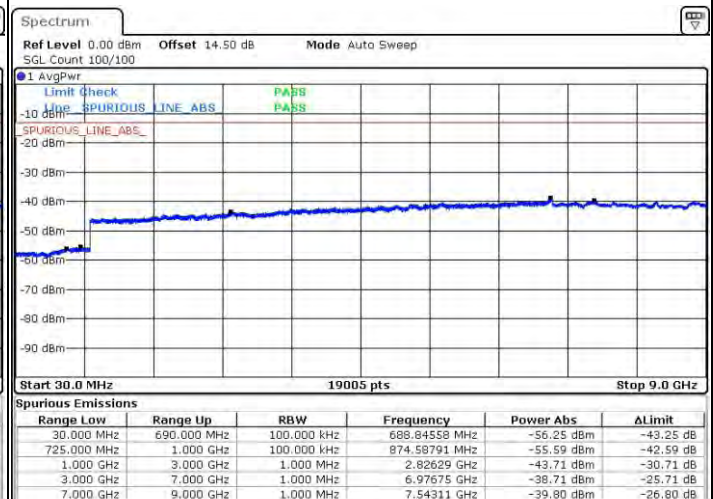
Date: 21.JUL.2015 14:17:43

Middle Channel / QPSK



Date: 21.JUL.2015 14:18:54

Middle Channel / 16QAM

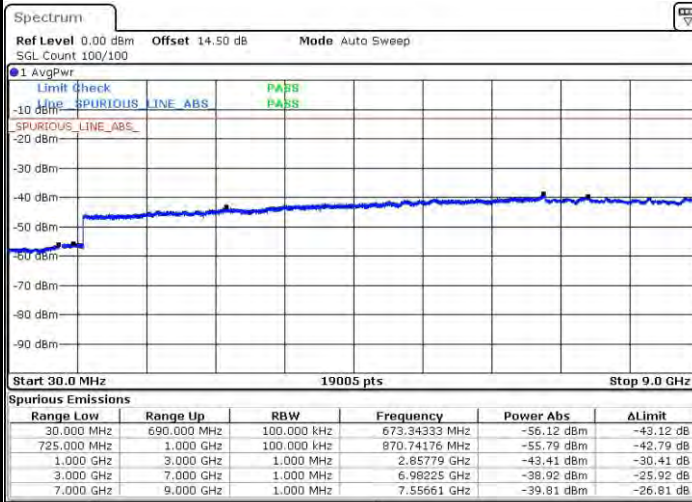


Date: 21.JUL.2015 14:20:06



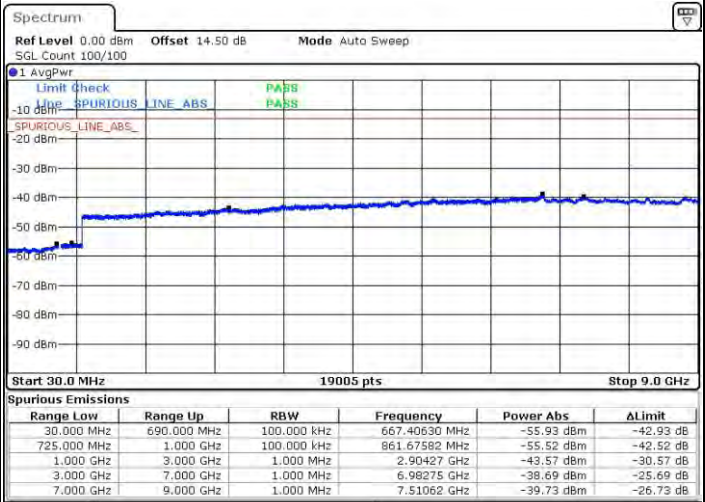
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 21.JUL.2015 14:26:00

Highest Channel / 16QAM



Date: 21.JUL.2015 14:27:12

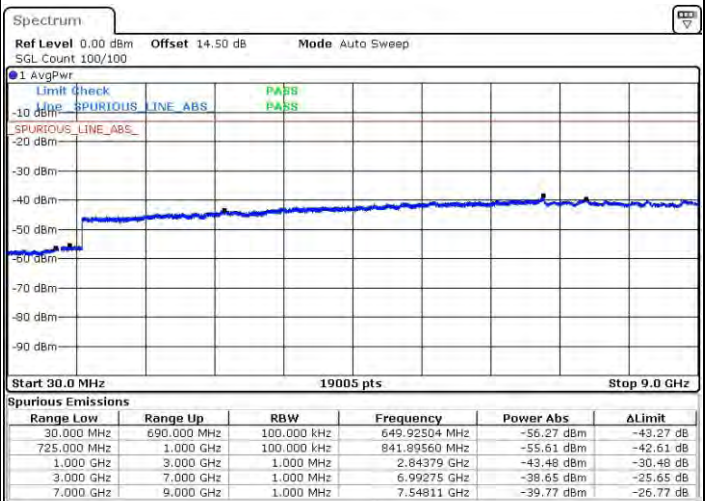
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 21.JUL.2015 14:33:06

Lowest Channel / 16QAM

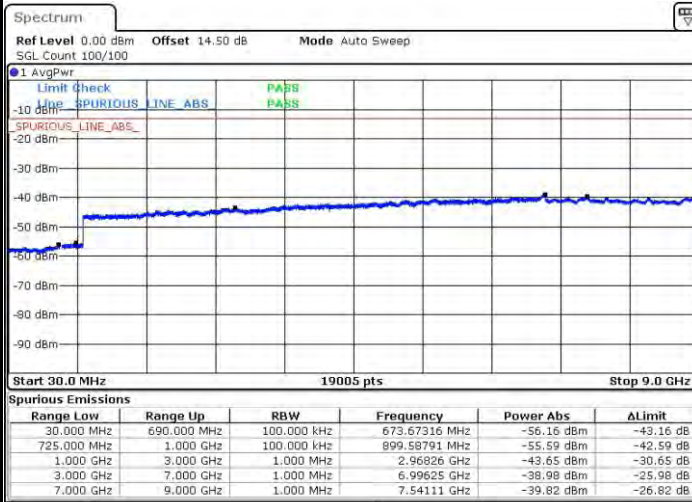


Date: 21.JUL.2015 14:34:16



LTE Band 17 / 10MHz

Middle Channel / QPSK



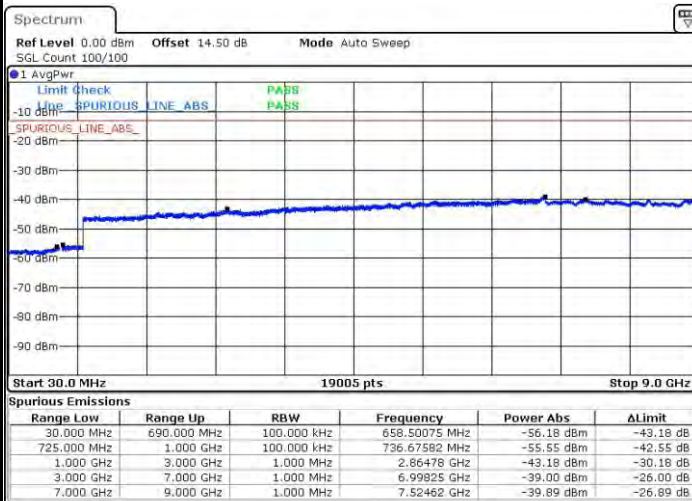
Date: 21.JUL.2015 14:35:33

Middle Channel / 16QAM



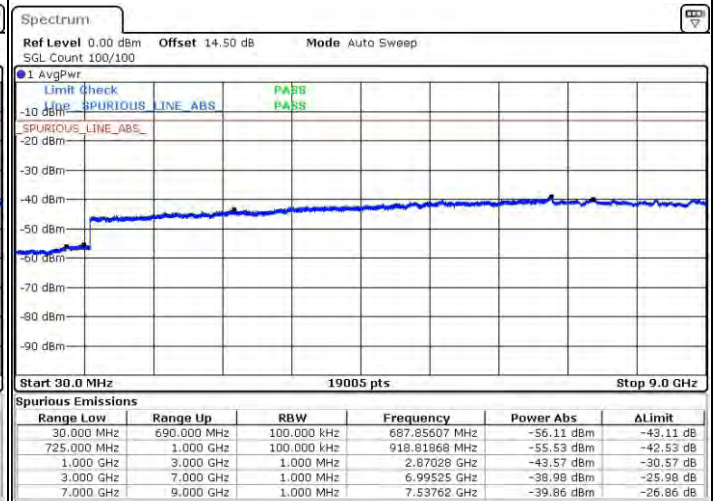
Date: 21.JUL.2015 14:36:43

Highest Channel / QPSK



Date: 21.JUL.2015 14:42:37

Highest Channel / 16QAM



Date: 21.JUL.2015 14:43:30

Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	2	22.61	0.1826	22.91	0.1954
Middle		3	1	22.32	0.1706	22.73	0.1876
Highest		3	0	23.02	0.2004	23.03	0.2009
Lowest	16QAM	1	5	21.60	0.1446	21.88	0.1541
Middle		1	0	21.05	0.1275	21.45	0.1395
Highest		3	2	22.27	0.1686	22.67	0.1851
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.67	0.1848	23.00	0.1995
Middle		1	7	22.14	0.1636	22.65	0.1840
Highest		1	14	23.10	0.2040	23.10	0.2043
Lowest	16QAM	1	7	21.47	0.1403	21.74	0.1494
Middle		1	7	20.96	0.1248	21.50	0.1412
Highest		1	0	22.00	0.1584	21.92	0.1554
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.73	0.1876	22.87	0.1937
Middle		1	12	22.20	0.1661	22.61	0.1826
Highest		1	12	23.01	0.2000	23.05	0.2020
Lowest	16QAM	1	12	21.45	0.1396	21.75	0.1498
Middle		1	12	21.06	0.1276	21.37	0.1370
Highest		1	24	21.86	0.1535	21.93	0.1559
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.72	0.1869	22.78	0.1896
Middle		1	0	22.01	0.1590	22.31	0.1702
Highest		1	0	22.89	0.1944	22.95	0.1972
Lowest	16QAM	1	49	21.50	0.1412	21.47	0.1402
Middle		1	24	21.13	0.1298	21.62	0.1452
Highest		1	24	22.06	0.1608	21.98	0.1579
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.61	0.1825	22.81	0.1908
Middle		1	74	22.19	0.1656	22.68	0.1854
Highest		1	0	23.06	0.2021	23.51	0.2244
Lowest	16QAM	1	0	21.54	0.1426	21.87	0.1539
Middle		1	37	20.71	0.1176	21.12	0.1295
Highest		1	74	22.51	0.1781	22.94	0.1966
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.68	0.1853	22.12	0.1631
Middle		1	49	21.85	0.1530	22.23	0.1672
Highest		1	49	23.09	0.2038	23.32	0.2146
Lowest	16QAM	1	99	21.77	0.1502	21.53	0.1424
Middle		1	99	21.08	0.1282	21.85	0.1532
Highest		1	49	22.60	0.1818	22.83	0.1919
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	2	22.14	0.1638	20.67	0.1166
Middle		1	5	22.07	0.1611	22.73	0.1876
Highest		1	2	22.65	0.1841	22.42	0.1747
Lowest	16QAM	1	2	20.97	0.1250	19.57	0.0906
Middle		1	5	21.00	0.1259	21.45	0.1395
Highest		1	5	21.65	0.1461	21.34	0.1363
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.94	0.1562	20.56	0.1138
Middle		1	0	22.16	0.1643	21.30	0.1349
Highest		1	7	22.56	0.1803	22.43	0.1750
Lowest	16QAM	1	7	21.14	0.1300	19.98	0.0997
Middle		1	0	21.15	0.1304	20.64	0.1158
Highest		1	7	21.67	0.1468	21.58	0.1438
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.05	0.1603	20.85	0.1217
Middle		1	12	21.82	0.1519	21.65	0.1463
Highest		1	0	22.54	0.1795	22.66	0.1845
Lowest	16QAM	1	0	20.78	0.1197	19.67	0.0927
Middle		1	24	20.61	0.1151	20.78	0.1195
Highest		1	12	21.46	0.1399	21.40	0.1382
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.88	0.1540	20.71	0.1177
Middle		1	0	22.22	0.1667	21.45	0.1397
Highest		1	24	22.30	0.1697	22.41	0.1742
Lowest	16QAM	1	0	21.09	0.1284	19.84	0.0963
Middle		1	0	21.61	0.1449	20.74	0.1184
Highest		1	24	21.20	0.1319	21.43	0.1391
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.09	0.1619	20.85	0.1218
Middle		1	37	21.94	0.1561	21.88	0.1540
Highest		1	0	21.56	0.1432	21.84	0.1526
Lowest	16QAM	1	37	21.78	0.1506	20.46	0.1112
Middle		1	0	21.50	0.1412	20.56	0.1139
Highest		1	37	21.22	0.1324	21.21	0.1323
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.17	0.1647	20.92	0.1237
Middle		1	0	22.53	0.1792	21.71	0.1481
Highest		1	0	21.81	0.1517	21.90	0.1549
Lowest	16QAM	1	0	21.13	0.1297	19.82	0.0960
Middle		1	49	20.92	0.1237	20.51	0.1123
Highest		1	49	20.99	0.1256	21.06	0.1276
Limit	EIRP < 1W			Result		PASS	

LTE Band 5 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	2	19.22	0.0836	5.76	0.0038
Middle		1	5	18.61	0.0726	4.46	0.0028
Highest		3	1	16.86	0.0485	3.34	0.0022
Lowest	16QAM	1	2	18.03	0.0635	4.71	0.0030
Middle		3	0	17.66	0.0583	3.57	0.0023
Highest		1	2	16.08	0.0405	2.65	0.0018
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	19.07	0.0806	5.50	0.0035
Middle		1	7	18.55	0.0715	4.39	0.0027
Highest		1	7	17.18	0.0523	3.26	0.0021
Lowest	16QAM	1	14	18.27	0.0671	4.65	0.0029
Middle		1	0	17.34	0.0542	3.31	0.0021
Highest		1	14	15.55	0.0359	2.35	0.0017
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1 0		19.06	0.0804	5.72	0.0037
Middle 1			24	18.91	0.0778	4.92	0.0031
Highest 1			12	17.57	0.0572	3.85	0.0024
Lowest	16QAM	1 12		18.30	0.0676	5.17	0.0033
Middle 1			12	17.49	0.0560	3.66	0.0023
Highest 1			24	15.84	0.0383	3.12	0.0021
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1 24		19.20	0.0832	4.67	0.0029
Middle 1			24	18.58	0.0722	4.03	0.0025
Highest 1			24	18.41	0.0694	4.24	0.0027
Lowest	16QAM	1 24		18.25	0.0669	4.00	0.0025
Middle 1			24	17.42	0.0552	3.39	0.0022
Highest 1			0	17.69	0.0588	3.58	0.0023
Limit	ERP < 7W			Result		PASS	

LTE Band 17 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1 24		17.58	0.0573	3.05	0.0020
Middle 1			0	17.19	0.0524	2.91	0.0020
Highest 1			12	17.54	0.0567	2.89	0.0019
Lowest	16QAM	1 24		16.06	0.0404	1.66	0.0015
Middle 1			12	16.42	0.0438	1.98	0.0016
Highest 1			0	16.28	0.0425	1.75	0.0015
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	17.55	0.0569	3.18	0.0021
Middle		1	24	17.31	0.0538	2.89	0.0019
Highest		1	24	17.15	0.0519	2.72	0.0019
Lowest	16QAM	1	24	16.43	0.0440	2.02	0.0016
Middle		1	0	16.03	0.0401	2.17	0.0016
Highest		1	24	15.98	0.0396	1.51	0.0014
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission**

LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3756	-52.00	-13	-39.00	-66.20	-56.60	3	7.60	H
	5634	-48.54	-13	-35.54	-62.33	-54.80	3.84	10.10	H
	7512	-43.74	-13	-30.74	-63.52	-51.24	4.43	11.93	H
	3756	-52.98	-13	-39.98	-65.47	-57.58	3	7.60	V
	5634	-48.63	-13	-35.63	-61.04	-54.89	3.84	10.10	V
	7512	-45.65	-13	-32.65	-63.44	-53.15	4.43	11.93	V

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

LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3464	-52.11	-13	-39.11	-66.24	-56.48	3.12	7.49	H
	5196	-50.00	-13	-37.00	-63.15	-55.80	3.65	9.45	H
	6927	-45.30	-13	-32.30	-62.16	-52.50	4.15	11.35	H
	3465	-53.53	-13	-40.53	-66.35	-57.90	3.12	7.49	V
	5196	-47.88	-13	-34.88	-61.89	-53.68	3.65	9.45	V
	6927	-45.96	-13	-32.96	-61.21	-53.16	4.15	11.35	V

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



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-55.91	-13	-42.91	-58.09	-57.80	1.86	5.90	H
	2508	-54.29	-13	-41.29	-63.32	-56.63	2.31	6.80	H
	3345	-53.49	-13	-40.49	-66.12	-55.89	2.85	7.40	H
	1674	-58.05	-13	-45.05	-56.91	-59.94	1.86	5.90	V
	2508	-52.58	-13	-39.58	-63.55	-54.92	2.31	6.80	V
	3345	-52.43	-13	-39.43	-66.41	-54.83	2.85	7.40	V

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

LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1411	-61.84	-13	-48.84	-58.26	-62.82	1.75	4.88	H
	2116	-56.86	-13	-43.86	-62.87	-58.48	2.16	5.93	H
	2822	-55.81	-13	-42.81	-66.23	-57.84	2.48	6.66	H
	1412	-59.13	-13	-46.13	-57.6	-60.11	1.75	4.88	V
	2117	-54.15	-13	-41.15	-62.13	-55.77	2.16	5.93	V
	2822	-54.51	-13	-41.51	-66.02	-56.54	2.48	6.66	V

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



Appendix D. Product Change Description

ZTE CORPORATION**Product Change Description**

As the applicant of the below model, [ZTE Corporation] declares that the product,

[Z289L]
[ZTE Corporation]

is the variant of the initial certified product,

[Z289L]
[ZTE Corporation]

SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/STK changes: NO

JAVA changes: NO

Other changes detailed: NO

HARDWARE MODIFICATION:

Band changes: NO

Power Amplifier changes: NO

Antenna changes: Yes

PCB Layout changes: YES xs6A -> xs6B

Components on PCB changes: YES

4 bands Duplexer Changed:

- a. LTE/UMTS B4: from 2520(MURATA:SAYRF1G73CE0F0A) to 1814(WISOL:SFXG33UY902)
- b. LTE/UMTS B2: from 2520(AVAGO:ACMD-7407-TR1) to 1814(MURATA:SAYEY1G88BA0B0A)
- c. LTE/UMTS B5: from 2520(MURATASAYFH836MCC0F0A)to(MURATA:SAYEY836MCA0F0A)
- d. LTE B17: from 2520(EPCOS: B39741B7924P810) to 2016(MURATA:SAYFH710MCA0F0A)

3 bands Filter Changed due to supply:

- a. Drx Chain for LTE/UMTS B2: from 1411(MURATA:SAFE1G96FL0F00) to

- 1109(MURATA:SAFFB1G96FL0F0A or Epcos:B39202B9860P810 or TAIYO: F6QG1G960P2KT)
- b. Drx Chain for LTE/UMTS B4: from 1411(MURATA:SAFE B2G14FB0F00) to 1109(MURATA:SAFFB2G14FA0F0A or TAIYO: F6QG2G140P2KA)
- c. Tx Chain for LTE B17: from 1411(MURATA:SAFEA710MAL0F00) to 1109(MURATA:SAFFB707MAA0F0A or TAIYO: F5QA707M5M2QY)

LCD changes: NO
Speaker changes: NO
Camera changes: NO
Vibrator changes: NO
Bluetooth changes: NO
FM changes: NO
Other changes: NO

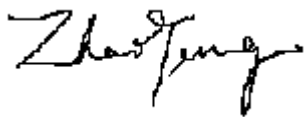
MECHANICAL MODIFICATIONS:

Use new metal front/back cover or keypad: NO
Mechanical shell changes: NO
Other changes detailed: NO

ACCESSORY MODIFICATIONS:

Battery changes: NO
AC Adaptor changes: NO
Earphone changes: NO

APPROVED BY:



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