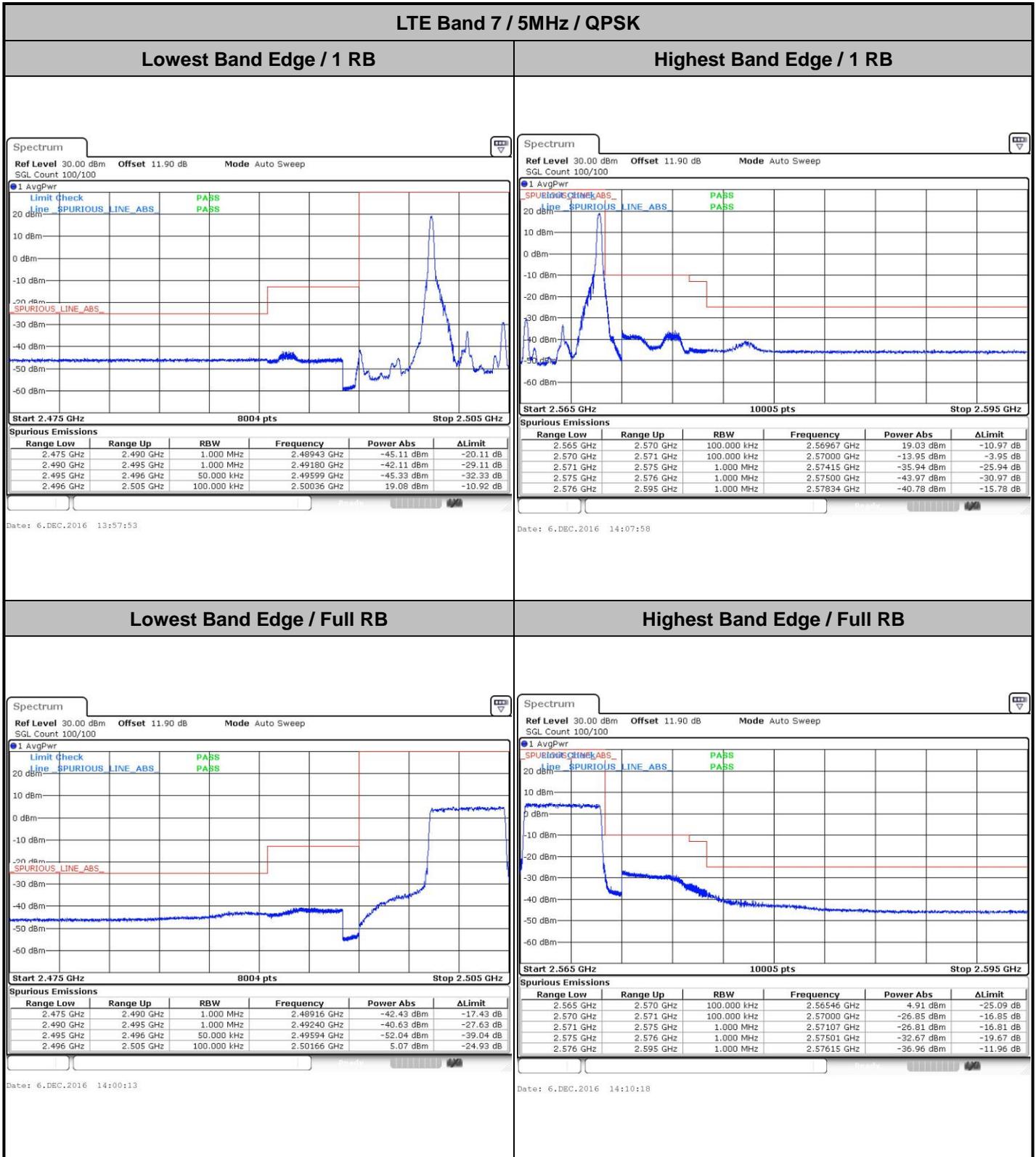




# Conducted Band Edge





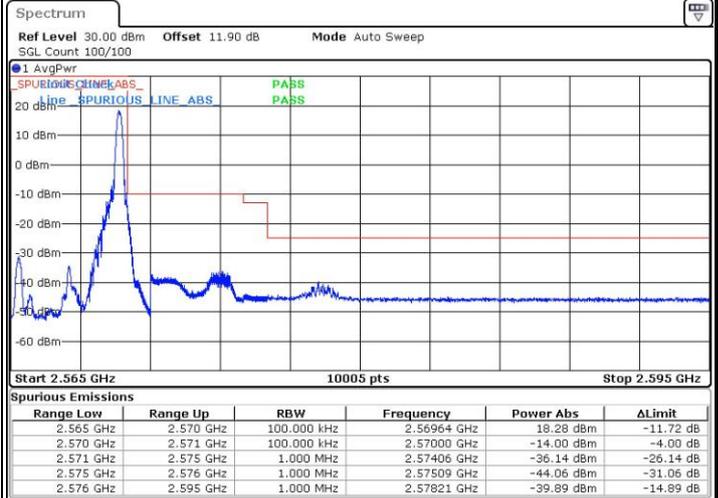
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 6.DEC.2016 13:59:03

Highest Band Edge / 1 RB



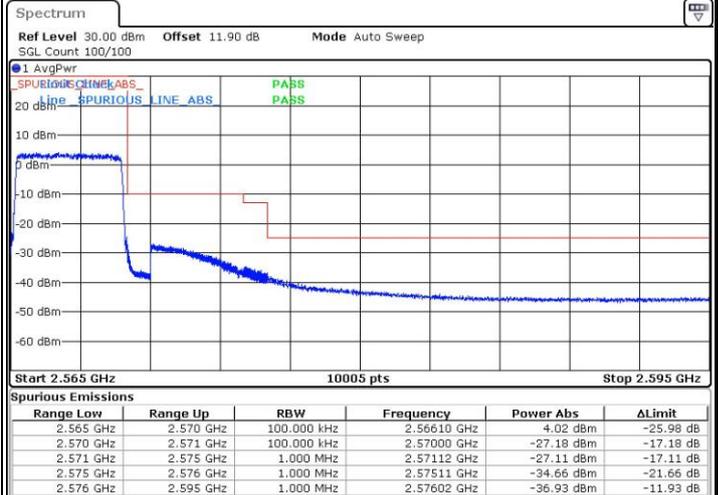
Date: 6.DEC.2016 14:09:08

Lowest Band Edge / Full RB



Date: 6.DEC.2016 14:01:23

Highest Band Edge / Full RB

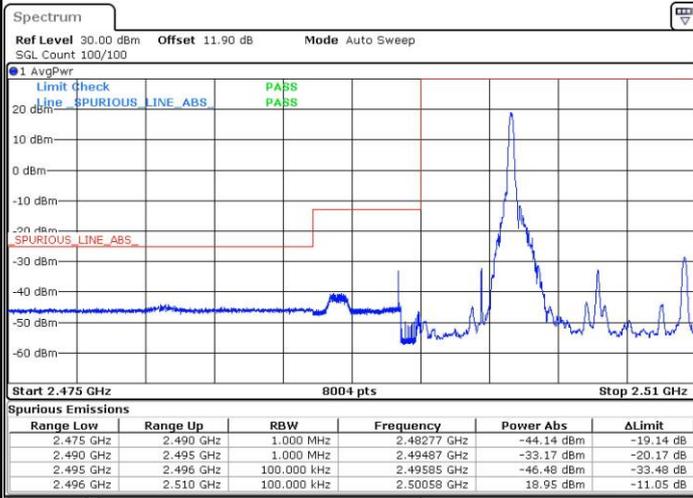


Date: 6.DEC.2016 14:11:28



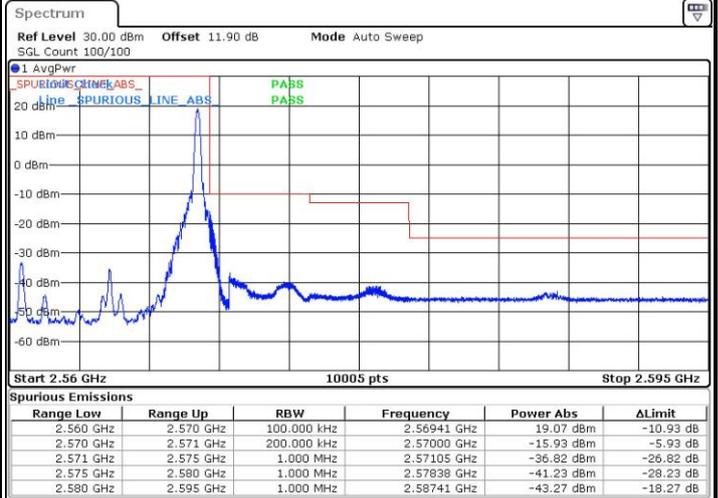
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 6.DEC.2016 14:15:20

Highest Band Edge / 1 RB



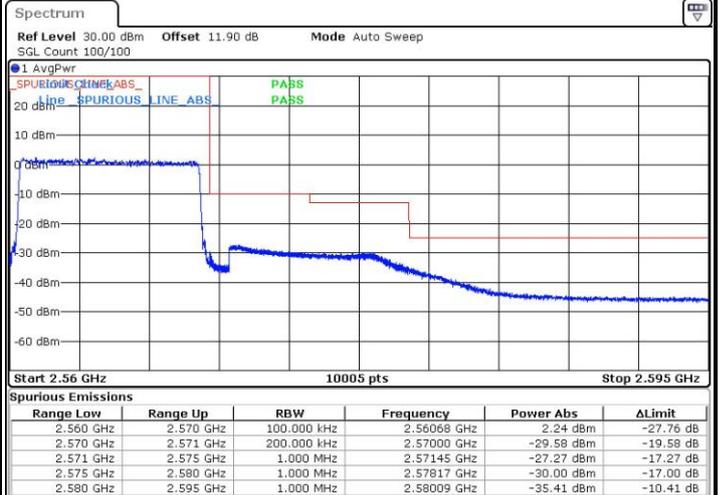
Date: 6.DEC.2016 14:25:25

Lowest Band Edge / Full RB



Date: 6.DEC.2016 14:17:40

Highest Band Edge / Full RB

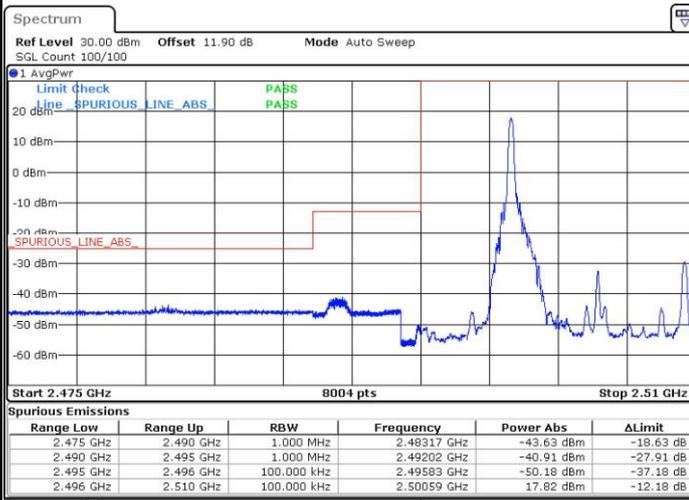


Date: 6.DEC.2016 14:27:45



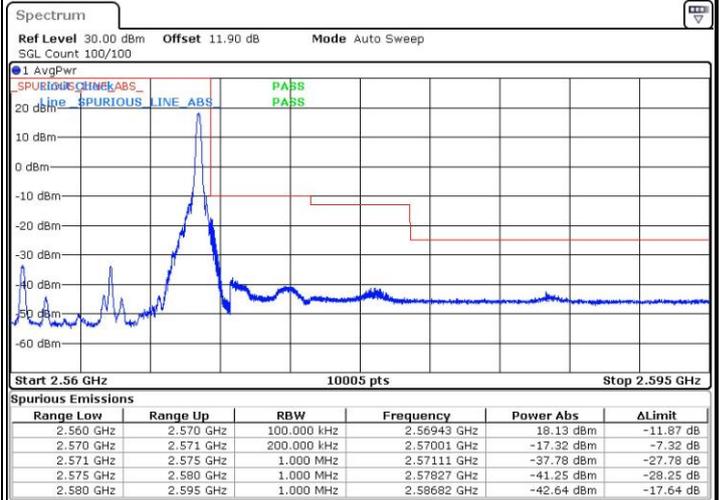
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



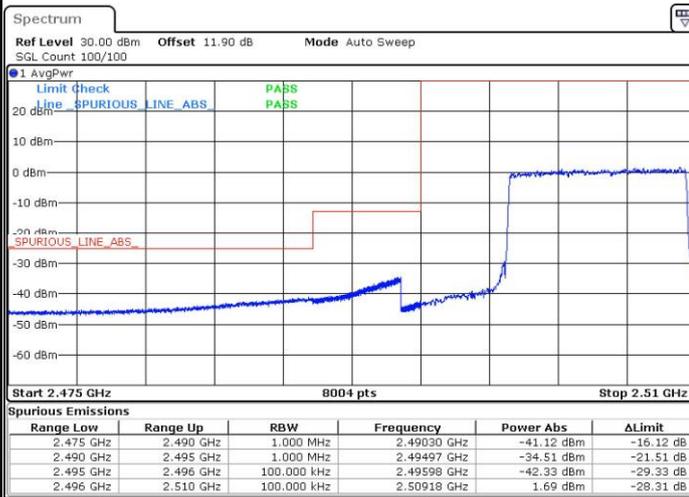
Date: 6.DEC.2016 14:16:30

Highest Band Edge / 1 RB



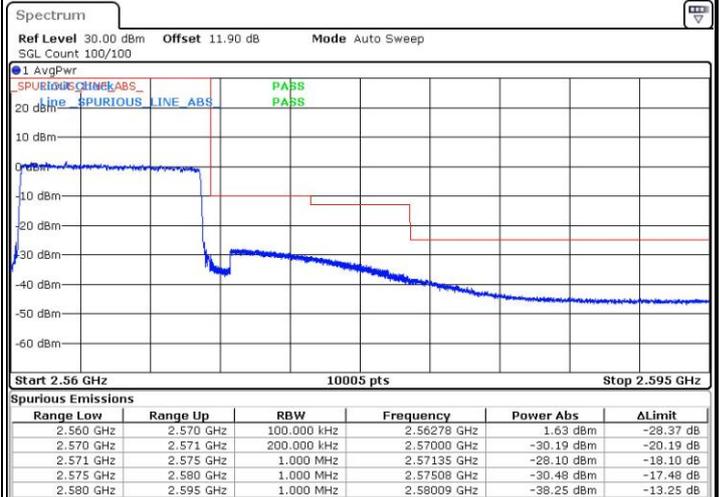
Date: 6.DEC.2016 14:26:35

Lowest Band Edge / Full RB



Date: 6.DEC.2016 14:18:50

Highest Band Edge / Full RB

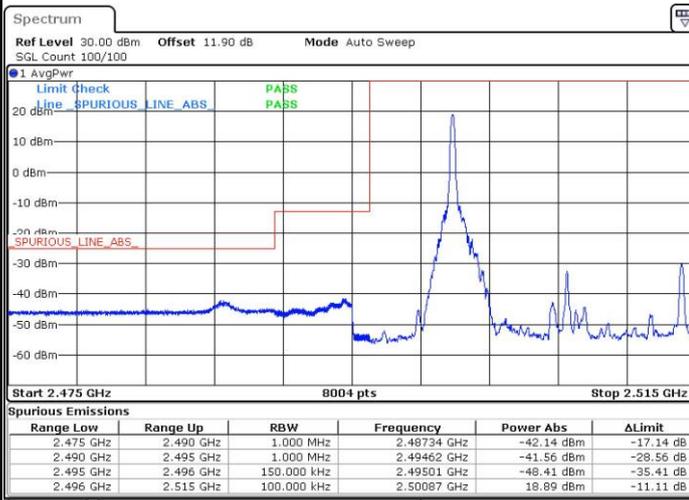


Date: 6.DEC.2016 14:28:55



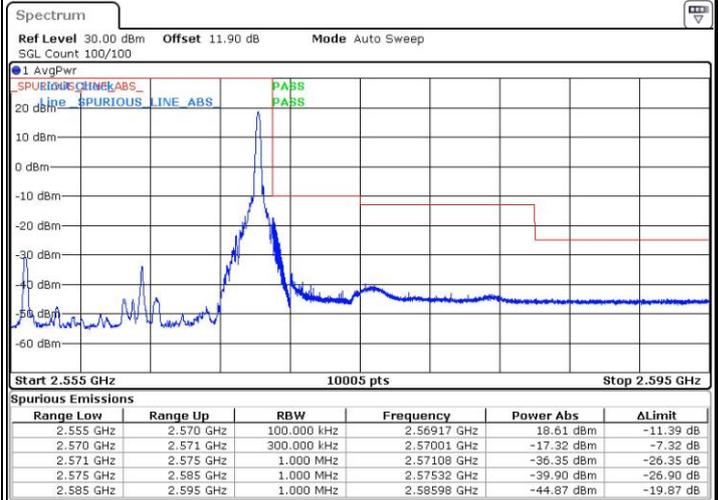
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



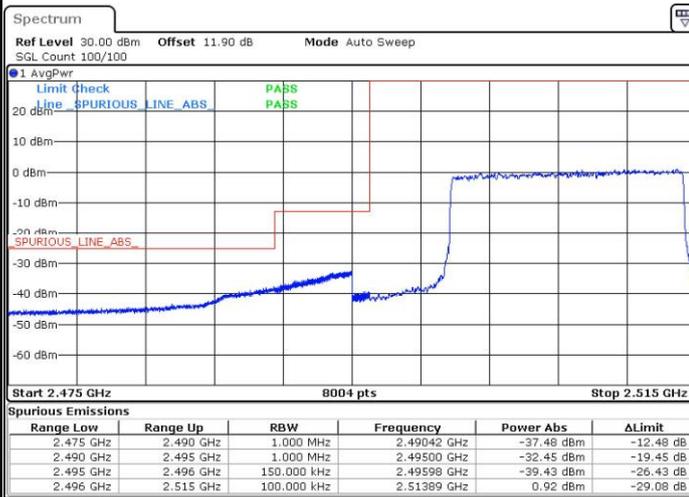
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Highest Band Edge / 1 RB



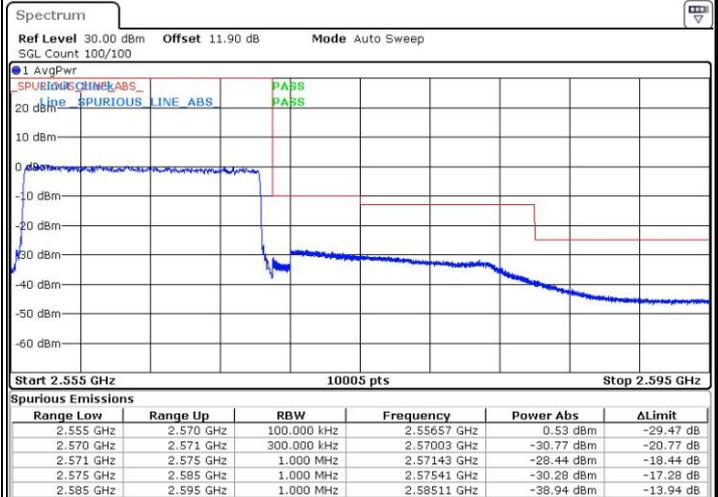
Date: 6.DEC.2016 15:33:57

Lowest Band Edge / Full RB



Date: 6.DEC.2016 14:35:07

Highest Band Edge / Full RB

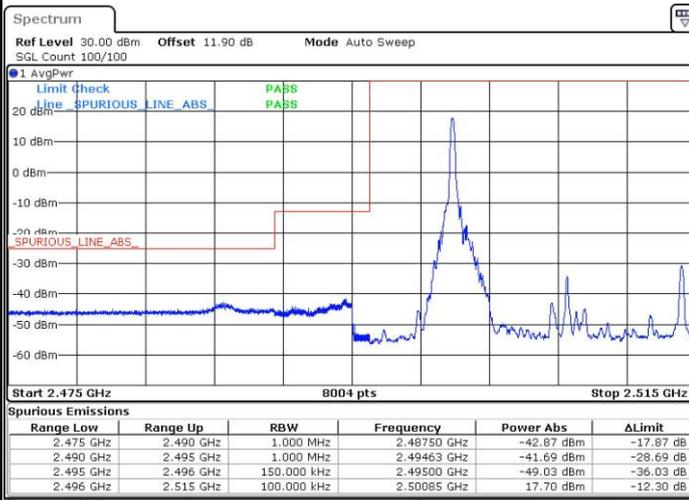


Date: 6.DEC.2016 15:36:17



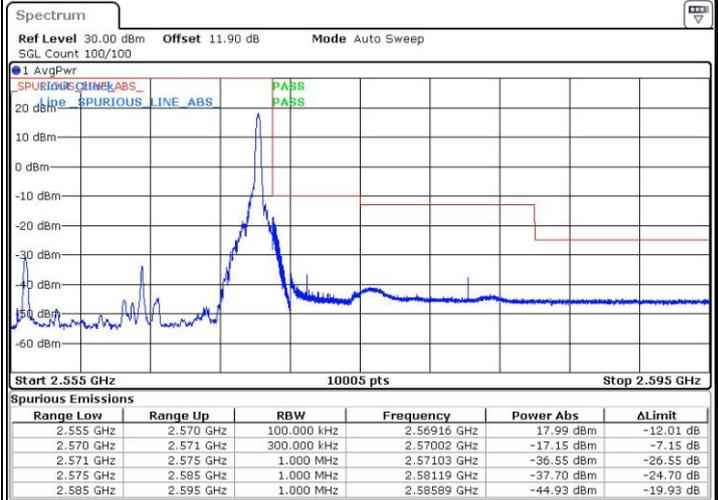
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



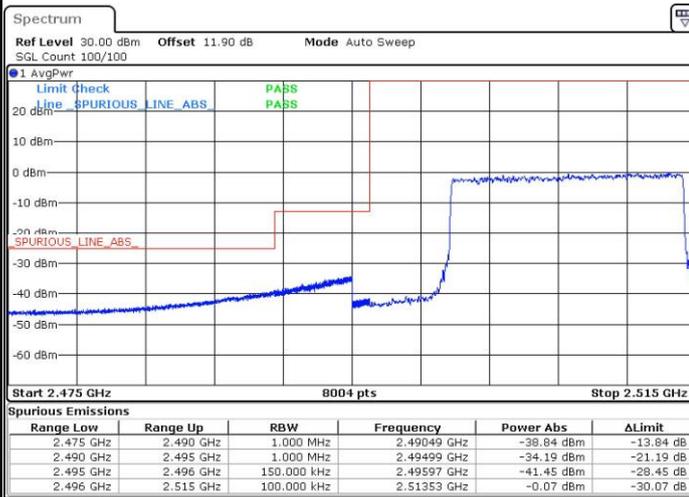
Date: 6.DEC.2016 14:33:57

Highest Band Edge / 1 RB



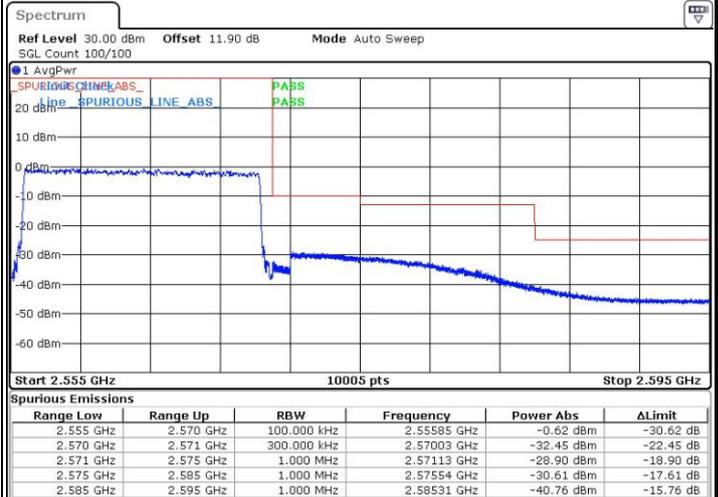
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Lowest Band Edge / Full RB



Date: 6.DEC.2016 14:36:17

Highest Band Edge / Full RB

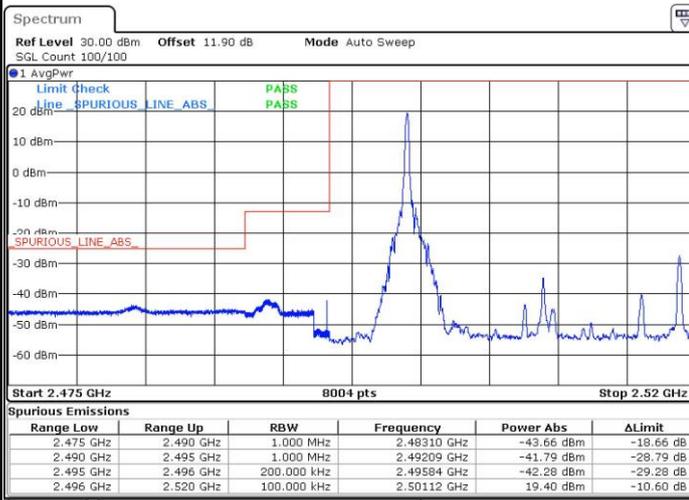


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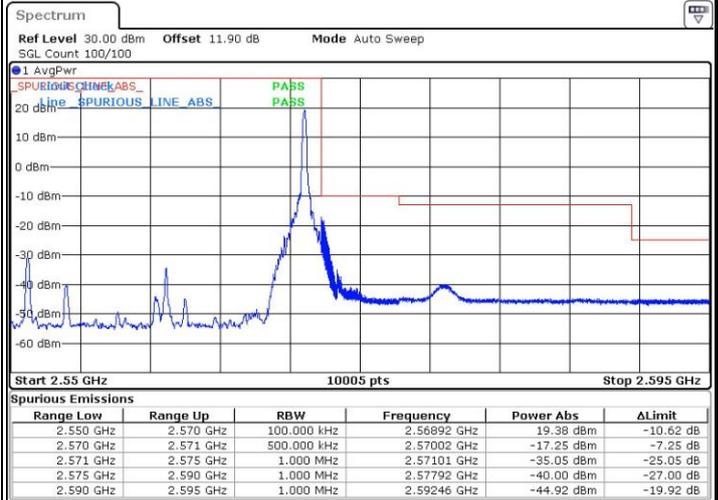
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



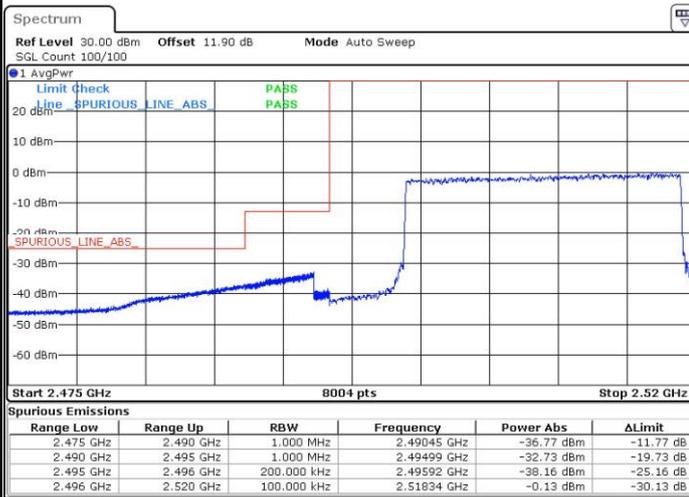
Date: 6.DEC.2016 15:41:19

Highest Band Edge / 1 RB



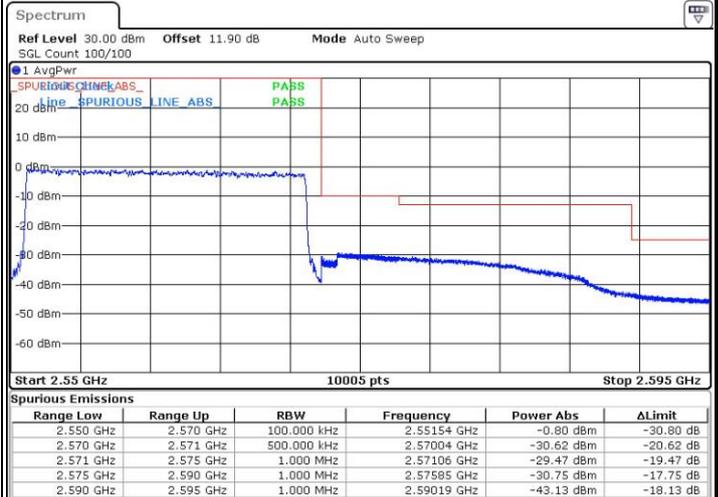
Date: 6.DEC.2016 15:51:24

Lowest Band Edge / Full RB



Date: 6.DEC.2016 15:43:39

Highest Band Edge / Full RB

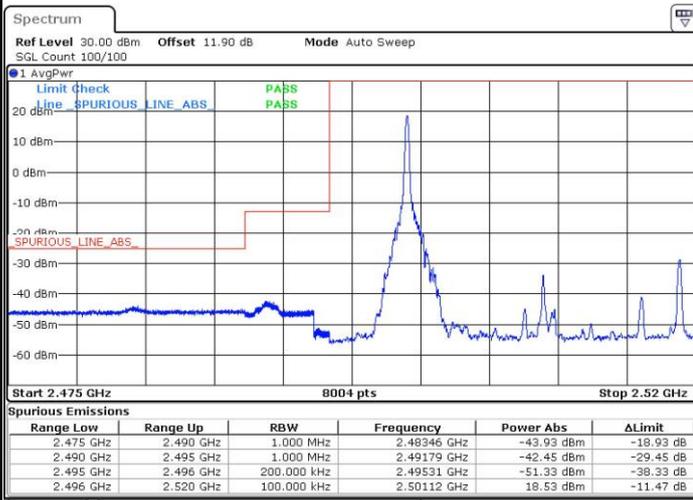


Date: 6.DEC.2016 15:54:54



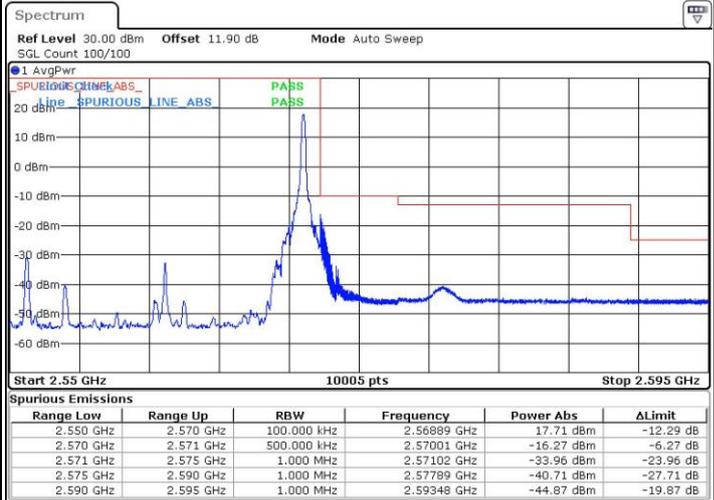
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



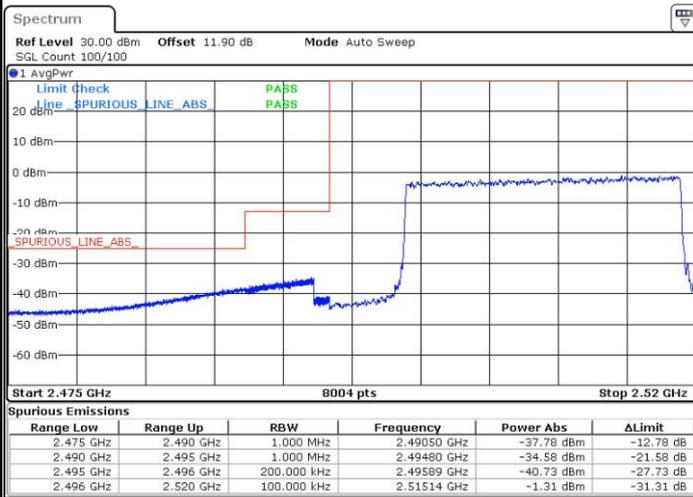
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Highest Band Edge / 1RB



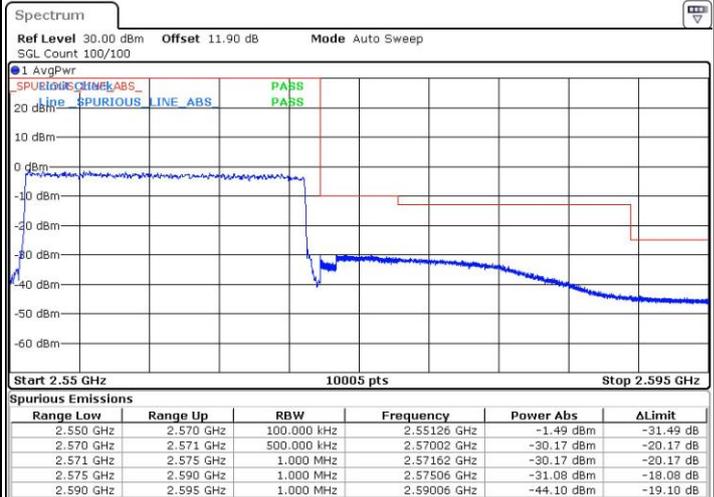
Date: 6.DEC.2016 15:52:34

Lowest Band Edge / Full RB



Date: 6.DEC.2016 15:44:49

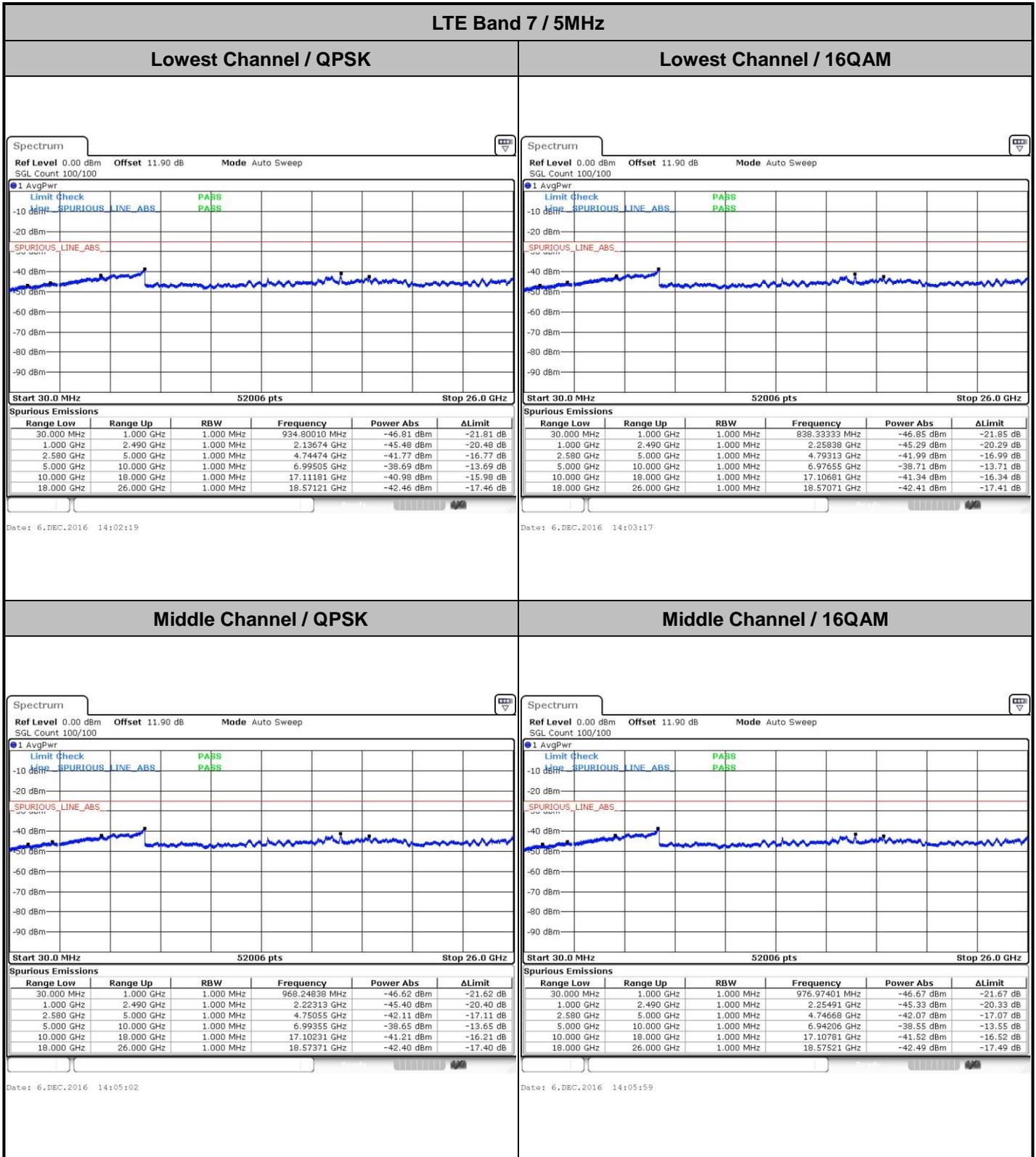
Highest Band Edge / Full RB



Date: 6.DEC.2016 15:53:44



# Conducted Spurious Emission

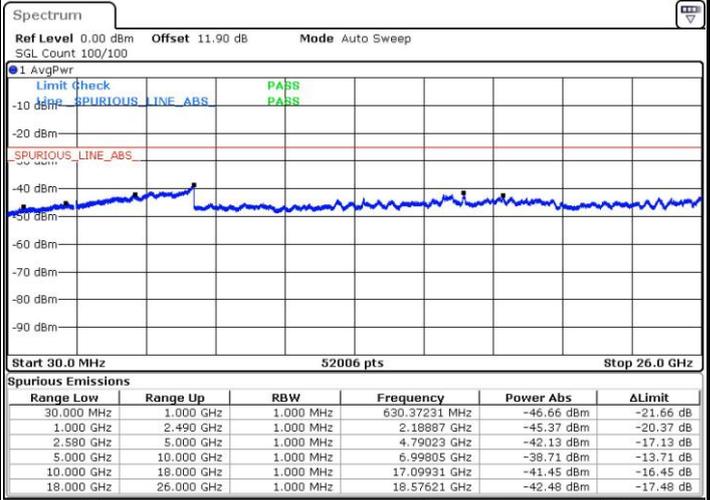
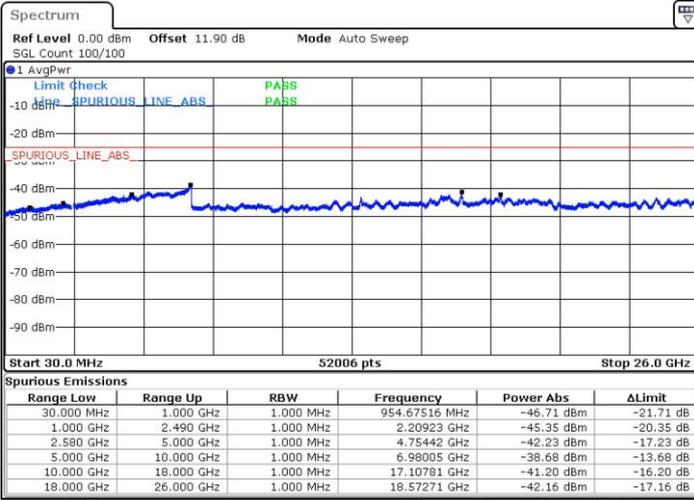




LTE Band 7 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



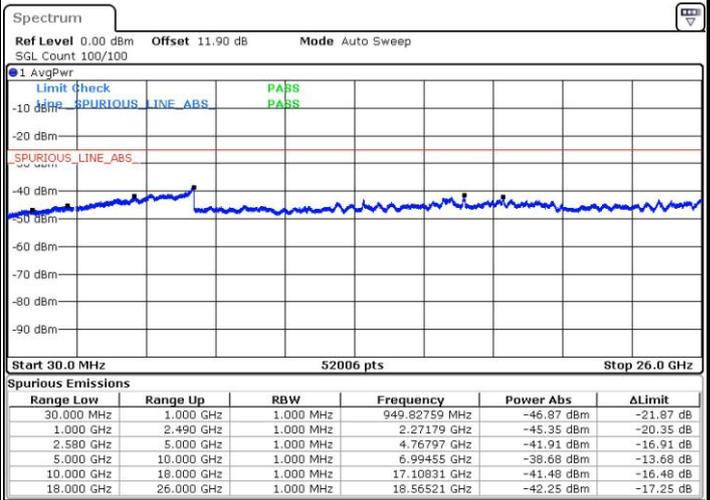
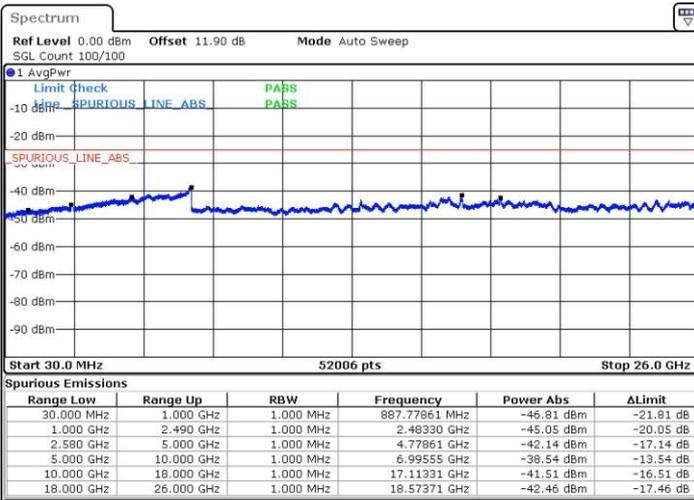
Date: 6.DEC.2016 14:12:24

Date: 6.DEC.2016 14:13:22

LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 6.DEC.2016 14:19:46

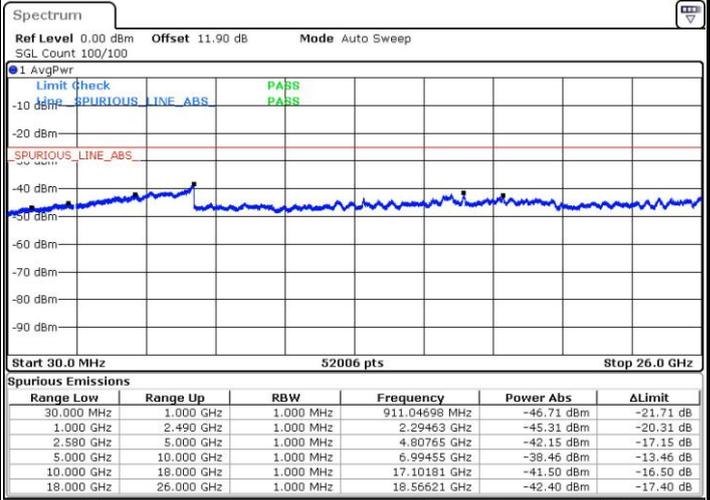
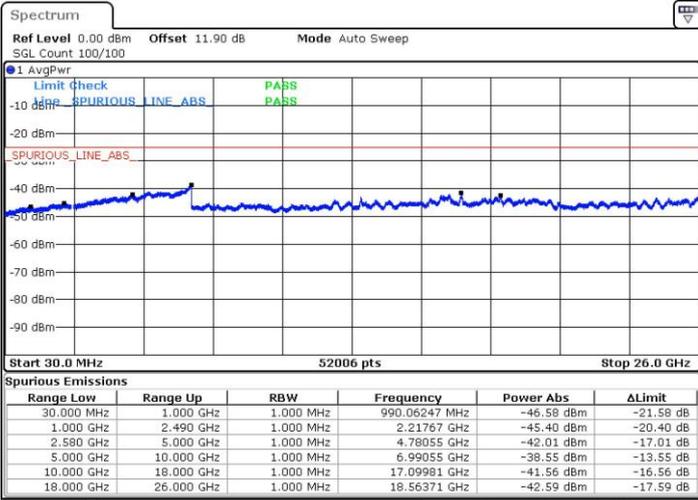
Date: 6.DEC.2016 14:20:44



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

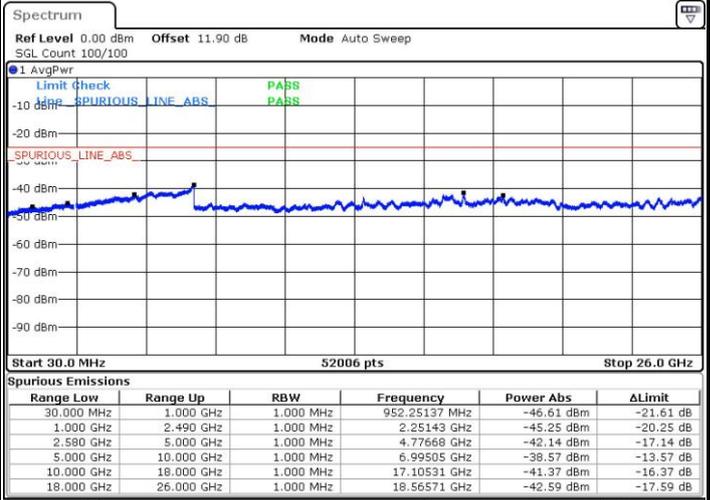
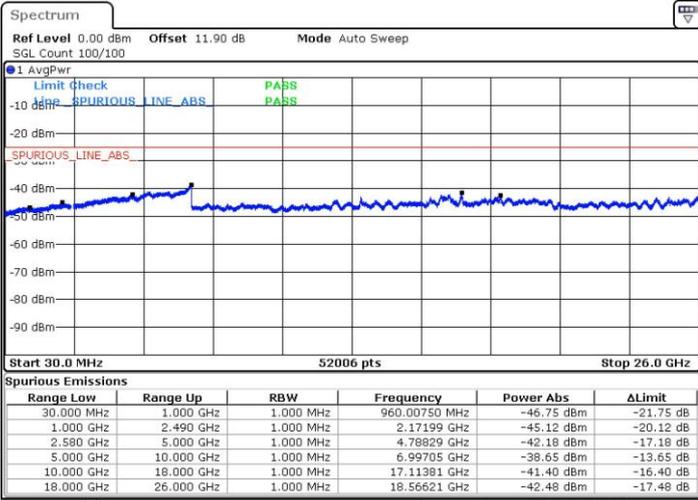


Date: 6.DEC.2016 14:22:29

Date: 6.DEC.2016 14:23:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6.DEC.2016 14:29:52

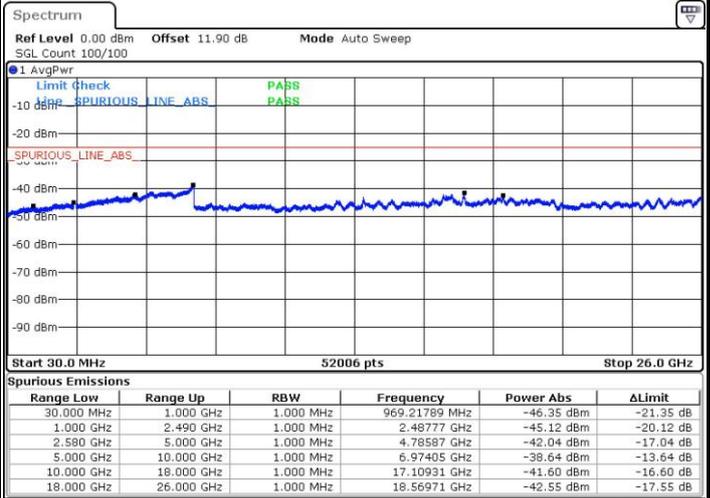
Date: 6.DEC.2016 14:30:50



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

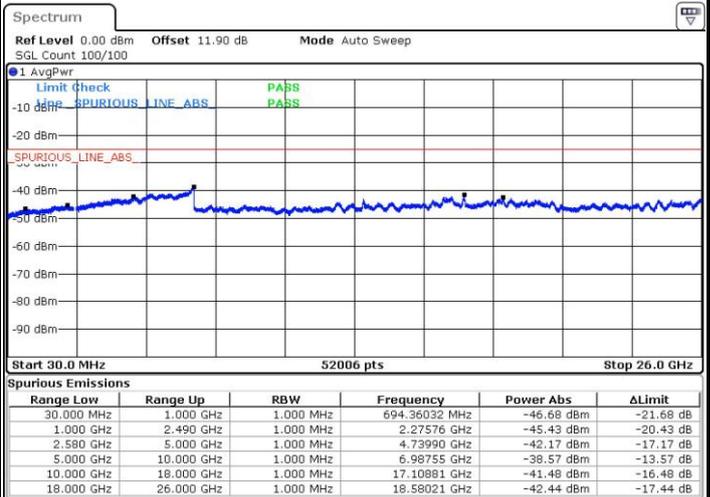


Date: 6.DEC.2016 14:37:14

Date: 6.DEC.2016 14:38:12

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6.DEC.2016 15:31:00

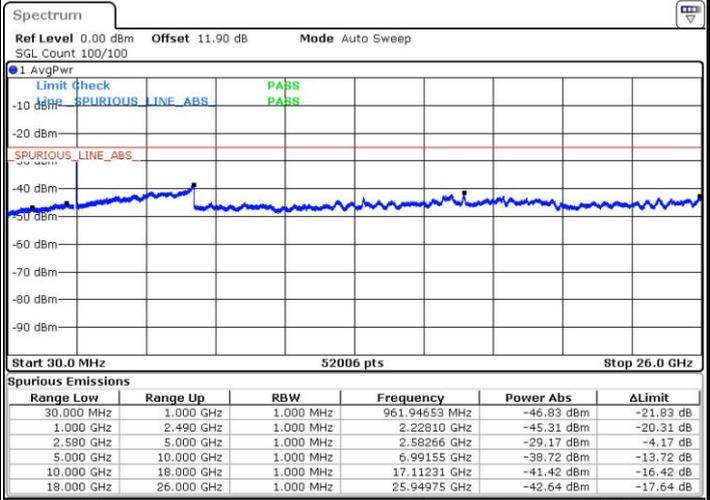
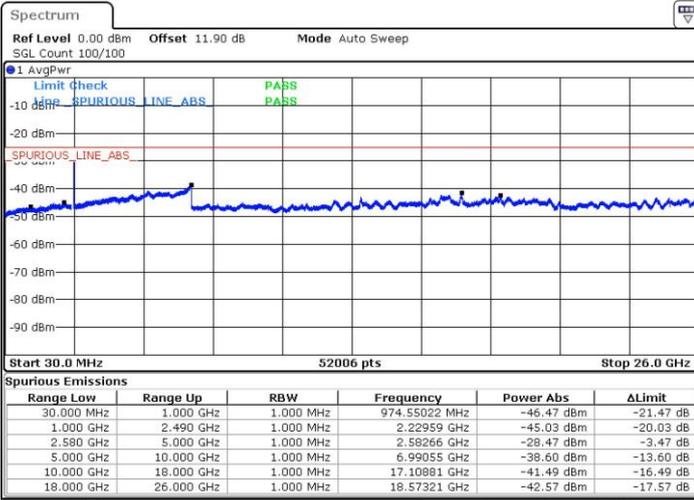
Date: 6.DEC.2016 15:31:58



LTE Band 7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



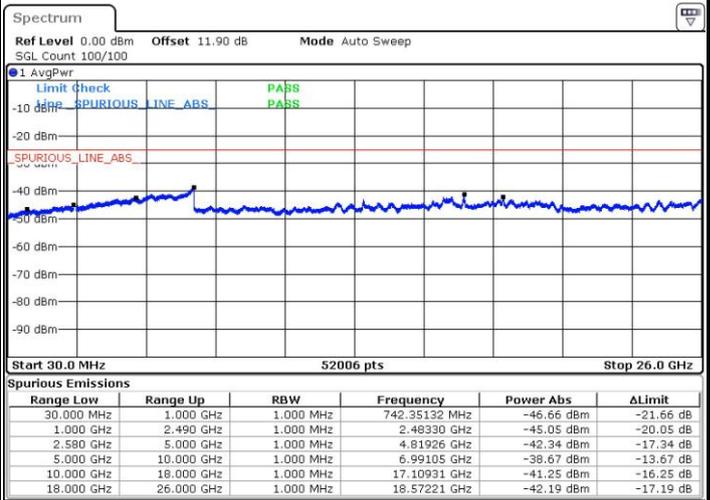
Date: 6.DEC.2016 15:38:23

Date: 6.DEC.2016 15:39:21

LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 6.DEC.2016 15:45:45

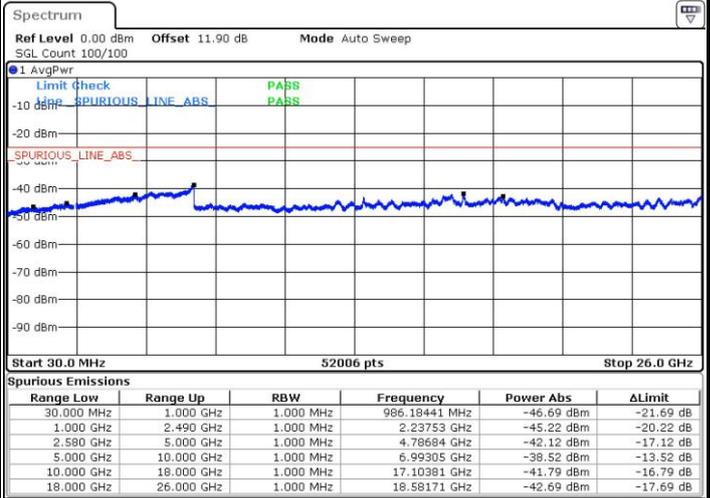
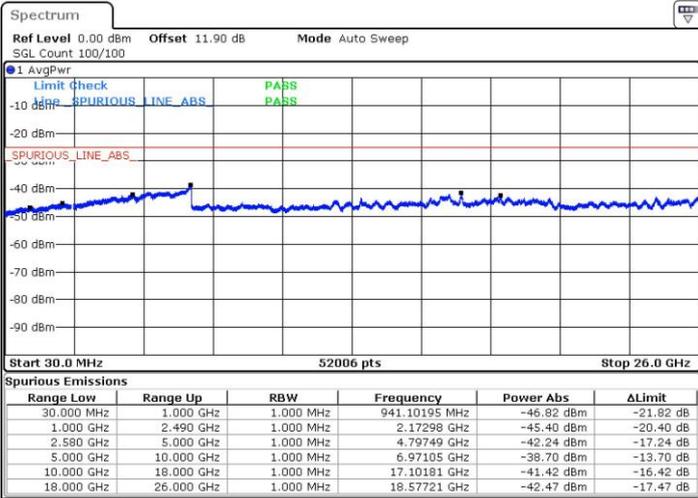
Date: 6.DEC.2016 15:46:43



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

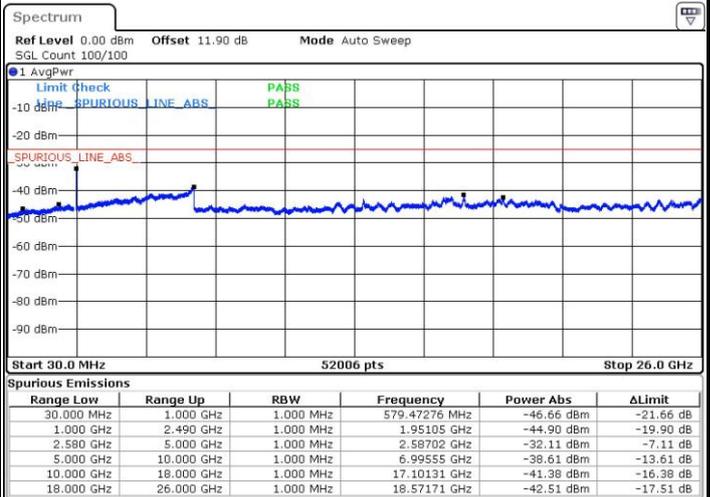
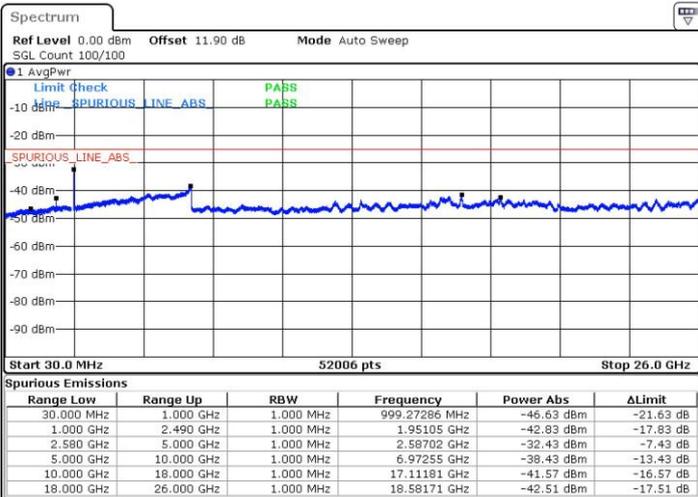


Date: 6.DEC.2016 15:48:28

Date: 6.DEC.2016 15:49:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6.DEC.2016 15:55:51

Date: 6.DEC.2016 15:56:49



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0107	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0101	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0110	
-30	Normal Voltage	0.0118	
20	Maximum Voltage	0.0109	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

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 = 0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	23.34	0.2158	24.14	0.2594
Middle		3	3	23.34	0.2158	24.14	0.2594
Highest		3	3	23.20	0.2089	24.00	0.2512
Lowest	16QAM	1	0	22.52	0.1786	23.32	0.2148
Middle		1	0	22.48	0.1770	23.28	0.2128
Highest		1	0	22.34	0.1714	23.14	0.2061
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.40	0.2188	24.20	0.2630
Middle		1	0	23.19	0.2084	23.99	0.2506
Highest		1	0	23.05	0.2018	23.85	0.2427
Lowest	16QAM	1	0	22.61	0.1824	23.41	0.2193
Middle		1	0	22.39	0.1734	23.19	0.2084
Highest		1	0	22.29	0.1694	23.09	0.2037
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.65	0.2317	24.45	0.2786
Middle		1	0	23.56	0.2270	24.36	0.2729
Highest		1	0	23.52	0.2249	24.32	0.2704
Lowest	16QAM	1	12	22.63	0.1832	23.43	0.2203
Middle		1	12	22.40	0.1738	23.20	0.2089
Highest		1	12	22.30	0.1698	23.10	0.2042
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.44	0.2208	24.24	0.2655
Middle		1	0	23.22	0.2099	24.02	0.2523
Highest		1	0	23.12	0.2051	23.92	0.2466
Lowest	16QAM	1	0	22.69	0.1858	23.49	0.2234
Middle		1	0	22.45	0.1758	23.25	0.2113
Highest		1	0	22.47	0.1766	23.27	0.2123
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.57	0.2275	24.37	0.2735
Middle		1	0	23.35	0.2163	24.15	0.2600
Highest		1	0	23.31	0.2143	24.11	0.2576
Lowest	16QAM	1	0	22.81	0.1910	23.61	0.2296
Middle		1	0	22.59	0.1816	23.39	0.2183
Highest		1	0	22.62	0.1828	23.42	0.2198
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 0.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.70	0.2344	24.50	0.2818
Middle		1	0	23.62	0.2301	24.42	0.2767
Highest		1	0	23.56	0.2270	24.36	0.2729
Lowest	16QAM	1	0	22.96	0.1977	23.76	0.2377
Middle		1	0	22.79	0.1901	23.59	0.2286
Highest		1	0	22.77	0.1892	23.57	0.2275
Limit	EIRP < 2W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -3.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	23.87	0.2438	18.32	0.0679
Middle		3	3	23.85	0.2427	18.30	0.0676
Highest		3	3	23.79	0.2393	18.24	0.0667
Lowest	16QAM	1	0	22.96	0.1977	17.41	0.0551
Middle		1	0	23.00	0.1995	17.45	0.0556
Highest		1	0	22.86	0.1932	17.31	0.0538
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -3.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.89	0.2449	18.34	0.0682
Middle		1	0	23.90	0.2455	18.35	0.0684
Highest		1	0	23.82	0.2410	18.27	0.0671
Lowest	16QAM	1	0	23.00	0.1995	17.45	0.0556
Middle		1	0	23.00	0.1995	17.45	0.0556
Highest		1	0	22.94	0.1968	17.39	0.0548
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -3.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.91	0.2460	18.36	0.0685
Middle		1	12	23.90	0.2455	18.35	0.0684
Highest		1	12	23.82	0.2410	18.27	0.0671
Lowest	16QAM	1	0	23.00	0.1995	17.45	0.0556
Middle		1	0	22.96	0.1977	17.41	0.0551
Highest		1	0	22.86	0.1932	17.31	0.0538
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -3.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.92	0.2466	18.37	0.0687
Middle		1	0	23.93	0.2472	18.38	0.0689
Highest		1	0	23.90	0.2455	18.35	0.0684
Lowest	16QAM	1	0	22.90	0.1950	17.35	0.0543
Middle		1	0	23.00	0.1995	17.45	0.0556
Highest		1	0	22.95	0.1972	17.40	0.0550
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	21.40	0.1380	22.60	0.1820
Middle		1.00	12.00	21.54	0.1426	22.74	0.1879
Highest		1.00	12.00	21.25	0.1334	22.45	0.1758
Lowest	16QAM	1.00	12.00	20.63	0.1156	21.83	0.1524
Middle		1.00	12.00	20.78	0.1197	21.98	0.1578
Highest		1.00	12.00	20.60	0.1148	21.80	0.1514
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49	21.54	0.1426	22.74	0.1879
Middle		1.00	49	21.65	0.1462	22.85	0.1928
Highest		1.00	49	21.22	0.1324	22.42	0.1746
Lowest	16QAM	1.00	49	20.76	0.1191	21.96	0.1570
Middle		1.00	49	20.90	0.1230	22.10	0.1622
Highest		1.00	49	20.69	0.1172	21.89	0.1545
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	74.00	21.65	0.1462	22.85	0.1928
Middle		1.00	74.00	21.73	0.1489	22.93	0.1963
Highest		1.00	74.00	21.44	0.1393	22.64	0.1837
Lowest	16QAM	1.00	74.00	20.85	0.1216	22.05	0.1603
Middle		1.00	74.00	20.95	0.1245	22.15	0.1641
Highest		1.00	74.00	20.73	0.1183	21.93	0.1560
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 1.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	21.74	0.1493	22.94	0.1968
Middle		1.00	0.00	21.83	0.1524	23.03	0.2009
Highest		1.00	0.00	21.70	0.1479	22.90	0.1950
Lowest	16QAM	1.00	99.00	20.97	0.1250	22.17	0.1648
Middle		1.00	99.00	21.00	0.1259	22.20	0.1660
Highest		1.00	99.00	20.87	0.1222	22.07	0.1611
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission

LTE Band 2

Table with 10 columns: 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). Rows are categorized into Lowest, Middle, and Highest frequency groups.

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



LTE Band 2 / 3MHz / 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	-47.45	-13	-34.45	-64.29	-54.02	1.67	8.24	H
	5550	-35.83	-13	-22.83	-58.49	-42.9	2.65	9.72	H
	7404	-42.99	-13	-29.99	-70.07	-52.14	2.46	11.61	H
									H
									H
									H
									H
	3702	-47.48	-13	-34.48	-64.48	-54.05	1.67	8.24	V
	5550	-37.83	-13	-24.83	-60.32	-44.9	2.65	9.72	V
	7404	-42.82	-13	-29.82	-69.95	-51.97	2.46	11.61	V
									V
	Middle	3756	-47.10	-13	-34.10	-64.1	-53.72	1.68	8.31
5634		-36.62	-13	-23.62	-59.42	-43.67	2.70	9.75	H
7518		-44.27	-13	-31.27	-71.54	-53.66	2.42	11.81	H
									H
									H
									H
									H
3756		-46.79	-13	-33.79	-63.92	-53.41	1.68	8.31	V
5634		-34.06	-13	-21.06	-56.7	-41.11	2.70	9.75	V
7518		-44.55	-13	-31.55	-71.94	-53.94	2.42	11.81	V
									V
Highest		3816	-45.96	-13	-32.96	-63.16	-52.64	1.70	8.38
	5724	-33.04	-13	-20.04	-55.98	-40.08	2.75	9.79	H
	7632	-44.03	-13	-31.03	-71.43	-53.52	2.39	11.88	H
									H
									H
									H
									H
	3816	-45.68	-13	-32.68	-62.97	-52.36	1.70	8.38	V
	5724	-34.09	-13	-21.09	-56.89	-41.13	2.75	9.79	V
	7632	-45.12	-13	-32.12	-72.6	-54.61	2.39	11.88	V
									V
									V
								V	

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



LTE Band 2 / 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	-46.92	-13	-33.92	-63.76	-53.49	1.67	8.24	H
	5550	-30.46	-13	-17.46	-53.12	-37.53	2.65	9.72	H
	7404	-40.31	-13	-27.31	-67.39	-49.46	2.46	11.61	H
									H
									H
									H
									H
	3702	-45.99	-13	-32.99	-62.99	-52.56	1.67	8.24	V
	5550	-37.00	-13	-24.00	-59.49	-44.07	2.65	9.72	V
	7404	-44.00	-13	-31.00	-71.13	-53.15	2.46	11.61	V
									V
	Middle	3756	-51.00	-13	-38.00	-68	-57.62	1.68	8.31
5634		-38.38	-13	-25.38	-61.18	-45.43	2.70	9.75	H
7512		-43.75	-13	-30.75	-71.02	-53.13	2.43	11.81	H
									H
									H
									H
									H
3756		-48.65	-13	-35.65	-65.78	-55.27	1.68	8.31	V
5634		-38.96	-13	-25.96	-61.6	-46.01	2.70	9.75	V
7512		-45.03	-13	-32.03	-72.42	-54.41	2.43	11.81	V
									V
Highest		3810	-45.92	-13	-32.92	-63.07	-52.59	1.70	8.37
	5718	-35.04	-13	-22.04	-57.98	-42.08	2.75	9.79	H
	7620	-43.16	-13	-30.16	-70.53	-52.64	2.39	11.87	H
									H
									H
									H
									H
	3810	-44.06	-13	-31.06	-61.31	-50.73	1.70	8.37	V
	5718	-34.56	-13	-21.56	-57.36	-41.6	2.75	9.79	V
	7620	-45.78	-13	-32.78	-73.24	-55.26	2.39	11.87	V
									V
									V
								V	
								V	

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



LTE Band 2 / 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	3702	-45.76	-13	-32.76	-62.6	-52.33	1.67	8.24	H
	5550	-38.15	-13	-25.15	-60.81	-45.22	2.65	9.72	H
	7404	-41.06	-13	-28.06	-68.14	-50.21	2.46	11.61	H
									H
									H
									H
									H
	3702	-45.38	-13	-32.38	-62.38	-51.95	1.67	8.24	V
	5550	-38.09	-13	-25.09	-60.58	-45.16	2.65	9.72	V
	7404	-43.13	-13	-30.13	-70.26	-52.28	2.46	11.61	V
									V
	Middle	3750	-49.48	-13	-36.48	-66.48	-56.1	1.68	8.30
5628		-39.38	-13	-26.38	-62.15	-46.43	2.70	9.75	H
7500		-43.03	-13	-30.03	-70.28	-52.4	2.43	11.80	H
									H
									H
									H
									H
3750		-47.10	-13	-34.10	-64.23	-53.72	1.68	8.30	V
5628		-39.21	-13	-26.21	-61.83	-46.26	2.70	9.75	V
7500		-44.39	-13	-31.39	-71.76	-53.76	2.43	11.80	V
									V
Highest		3804	-44.24	-13	-31.24	-61.39	-50.91	1.70	8.36
	5700	-34.78	-13	-21.78	-57.66	-41.82	2.74	9.78	H
	7602	-43.57	-13	-30.57	-70.93	-53.03	2.40	11.86	H
									H
									H
									H
									H
	3804	-42.80	-13	-29.80	-60.05	-49.47	1.70	8.36	V
	5700	-32.58	-13	-19.58	-55.32	-39.62	2.74	9.78	V
	7602	-45.38	-13	-32.38	-72.83	-54.84	2.40	11.86	V
									V
									V
								V	

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



LTE Band 2 / 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	3702	-48.00	-13	-35.00	-64.84	-54.57	1.67	8.24	H
	5550	-30.01	-13	-17.01	-52.67	-37.08	2.65	9.72	H
	7404	-39.96	-13	-26.96	-67.04	-49.11	2.46	11.61	H
									H
									H
									H
									H
	3702	-46.63	-13	-33.63	-63.63	-53.2	1.67	8.24	V
	5550	-32.95	-13	-19.95	-55.44	-40.02	2.65	9.72	V
	7404	-41.84	-13	-28.84	-68.97	-50.99	2.46	11.61	V
									V
	Middle	3744	-50.90	-13	-37.90	-67.86	-57.51	1.68	8.29
5622		-32.83	-13	-19.83	-55.6	-39.88	2.70	9.75	H
7494		-43.14	-13	-30.14	-70.39	-52.5	2.43	11.79	H
									H
									H
									H
									H
3750		-48.77	-13	-35.77	-65.9	-55.39	1.68	8.30	V
5622		-35.53	-13	-22.53	-58.15	-42.58	2.70	9.75	V
7494		-45.23	-13	-32.23	-72.6	-54.59	2.43	11.79	V
									V
Highest		3792	-45.87	-13	-32.87	-62.17	-52.52	1.70	8.35
	5688	-30.23	-13	-17.23	-53.11	-37.27	2.73	9.78	H
	7584	-39.36	-13	-26.36	-66.7	-48.81	2.40	11.85	H
									H
									H
									H
									H
	3792	-45.46	-13	-32.46	-62.66	-52.11	1.70	8.35	V
	5688	-31.69	-13	-18.69	-54.43	-38.73	2.73	9.78	V
	7584	-42.91	-13	-29.91	-70.35	-52.36	2.40	11.85	V
									V
									V
								V	

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



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	3702	-47.20	-13	-34.20	-64.04	-53.77	1.67	8.24	H
	5556	-29.99	-13	-16.99	-52.64	-37.06	2.66	9.72	H
	7404	-40.27	-13	-27.27	-67.35	-49.42	2.46	11.61	H
									H
									H
									H
									H
	3702	-46.47	-13	-33.47	-63.47	-53.04	1.67	8.24	V
	5556	-33.96	-13	-20.96	-56.44	-41.03	2.66	9.72	V
	7404	-42.56	-13	-29.56	-69.69	-51.71	2.46	11.61	V
									V
	Middle	3744	-49.74	-13	-36.74	-66.7	-56.35	1.68	8.29
5616		-30.42	-13	-17.42	-53.19	-37.47	2.69	9.75	H
7482		-40.72	-13	-27.72	-67.93	-50.05	2.44	11.76	H
									H
									H
									H
									H
3744		-49.01	-13	-36.01	-66.13	-55.62	1.68	8.29	V
5616		-33.15	-13	-20.15	-55.77	-40.2	2.69	9.75	V
7482		-45.47	-13	-32.47	-72.79	-54.8	2.44	11.76	V
									V
Highest		3780	-46.63	-13	-33.63	-63.73	-53.27	1.69	8.34
	5676	-29.36	-13	-16.36	-52.21	-36.4	2.73	9.77	H
	7566	-38.21	-13	-25.21	-65.53	-47.64	2.41	11.84	H
									H
									H
									H
									H
	3780	-46.10	-13	-33.10	-63.3	-52.74	1.69	8.34	V
	5676	-30.73	-13	-17.73	-53.44	-37.77	2.73	9.77	V
	7566	-40.84	-13	-27.84	-68.26	-50.27	2.41	11.84	V
									V
									V
								V	

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



## LTE Band 5

LTE Band 5 / 1.4MHz / 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	-55.00	-13	-42.00	-64.77	-56.76	0.98	4.89	H
	2472	-51.56	-13	-38.56	-65.26	-53.44	1.28	5.32	H
	8240	-36.14	-13	-23.14	-64.29	-43.96	2.32	12.29	H
									H
									H
									H
	1648	-56.00	-13	-43.00	-65.71	-57.76	0.98	4.89	V
	2472	-48.48	-13	-35.48	-62.22	-50.36	1.28	5.32	V
	3296	-53.39	-13	-40.39	-69.29	-56.8	1.54	7.10	V
									V
									V
Middle	1672	-55.58	-13	-42.58	-65.48	-57.26	0.99	4.82	H
	2512	-48.61	-13	-35.61	-62.46	-50.58	1.29	5.41	H
	8360	-38.72	-13	-25.72	-67.05	-46.61	2.35	12.39	H
									H
									H
									H
	1672	-58.05	-13	-45.05	-67.89	-59.73	0.99	4.82	V
	2512	-50.47	-13	-37.47	-64.34	-52.44	1.29	5.41	V
	3344	-54.59	-13	-41.59	-70.63	-58.2	1.56	7.31	V
									V
									V
Highest	1696	-51.28	-13	-38.28	-61.27	-52.88	1.00	4.75	H
	2544	-42.97	-13	-29.97	-56.94	-44.95	1.30	5.44	H
	8480	-34.70	-13	-21.70	-63.2	-42.66	2.37	12.48	H
									H
									H
									H
	1696	-52.97	-13	-39.97	-62.9	-54.57	1.00	4.75	V
	2544	-49.41	-13	-36.41	-63.37	-51.39	1.30	5.44	V
	4240	-49.22	-13	-36.22	-67.52	-53.82	1.90	8.65	V
									V
									V

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



LTE Band 5 / 3MHz / 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	-53.46	-13	-40.46	-63.23	-55.22	0.98	4.89	H
	2472	-51.60	-13	-38.60	-65.3	-53.48	1.28	5.32	H
	8240	-36.55	-13	-23.55	-64.7	-44.37	2.32	12.29	H
									H
									H
									H
									H
	1648	-55.39	-13	-42.39	-65.1	-57.15	0.98	4.89	V
	2472	-53.48	-13	-40.48	-67.22	-55.36	1.28	5.32	V
	3296	-52.94	-13	-39.94	-68.84	-56.35	1.54	7.10	V
									V
	Middle	1672	-56.25	-13	-43.25	-66.15	-57.93	0.99	4.82
2504		-38.25	-13	-25.25	-52.04	-40.21	1.29	5.40	H
4176		-49.58	-13	-36.58	-50.58	-54.2	1.86	8.64	H
8352		-40.99	-13	-27.99	-69.29	-48.88	2.34	12.38	H
									H
									H
									H
1672		-55.84	-13	-42.84	-65.68	-57.52	0.99	4.82	V
2504		-41.61	-13	-28.61	-55.44	-43.57	1.29	5.40	V
4176		-51.50	-13	-38.50	-69.65	-56.12	1.86	8.64	V
									V
Highest		1696	-50.91	-13	-37.91	-60.9	-52.51	1.00	4.75
	2536	-53.72	-13	-40.72	-67.63	-55.7	1.30	5.43	H
	8464	-33.90	-13	-20.90	-62.38	-41.85	2.37	12.47	H
									H
									H
									H
									H
	1696	-53.08	-13	-40.08	-63.01	-54.68	1.00	4.75	V
	2536	-52.38	-13	-39.38	-66.3	-54.36	1.30	5.43	V
	3384	-54.31	-13	-41.31	-70.45	-58.08	1.57	7.49	V
									V
									V
								V	

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



LTE Band 5 / 5MHz / 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	-53.12	-13	-40.12	-62.93	-54.88	0.98	4.89	H
	2472	-40.28	-13	-27.28	-54.06	-42.16	1.28	5.32	H
	8240	-37.44	-13	-24.44	-65.63	-45.26	2.32	12.29	H
									H
									H
									H
									H
	1648	-55.87	-13	-42.87	-65.68	-57.63	0.98	4.89	V
	2472	-48.36	-13	-35.36	-62.1	-50.24	1.28	5.32	V
	8240	-43.45	-13	-30.45	-71.44	-51.27	2.32	12.29	V
									V
	Middle	1672	-53.10	-13	-40.10	-62.98	-54.78	0.99	4.82
2504		-37.51	-13	-24.51	-51.26	-39.47	1.29	5.40	H
8344		-37.78	-13	-24.78	-66.19	-45.66	2.34	12.38	H
									H
									H
									H
									H
1672		-54.58	-13	-41.58	-64.43	-56.26	0.99	4.82	V
2504		-36.95	-13	-23.95	-50.8	-38.91	1.29	5.40	V
8344		-43.59	-13	-30.59	-71.67	-51.47	2.34	12.38	V
									V
Highest		1688	-48.70	-13	-35.70	-58.6	-50.33	1.00	4.77
	2536	-45.93	-13	-32.93	-59.82	-47.91	1.30	5.43	H
	8440	-34.83	-13	-21.83	-63.22	-42.77	2.36	12.45	H
									H
									H
									H
									H
	1688	-50.18	-13	-37.18	-60.09	-51.81	1.00	4.77	V
	2536	-52.47	-13	-39.47	-66.37	-54.45	1.30	5.43	V
	8440	-43.68	-13	-30.68	-71.78	-51.62	2.36	12.45	V
									V
									V
								V	

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



LTE Band 5 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-51.86	-13	-38.86	-61.63	-53.62	0.98	4.89	H
	2472	-39.44	-13	-26.44	-53.15	-41.32	1.28	5.32	H
	8248	-38.34	-13	-25.34	-66.63	-46.17	2.32	12.30	H
									H
									H
									H
									H
	1648	-53.68	-13	-40.68	-63.36	-55.44	0.98	4.89	V
	2472	-40.06	-13	-27.06	-53.75	-41.94	1.28	5.32	V
	8248	-42.18	-13	-29.18	-70.11	-50.01	2.32	12.30	V
									V
	Middle	1664	-54.15	-13	-41.15	-64.05	-55.86	0.98	4.84
2496		-39.37	-13	-26.37	-53.11	-41.32	1.29	5.39	H
8320		-33.65	-13	-20.65	-61.89	-41.52	2.34	12.36	H
									H
									H
									H
									H
1664		-52.45	-13	-39.45	-62.22	-54.16	0.98	4.84	V
2496		-36.92	-13	-23.92	-50.63	-38.87	1.29	5.39	V
8320		-43.75	-13	-30.75	-71.71	-51.62	2.34	12.36	V
									V
Highest		1680	-50.64	-13	-37.64	-60.6	-52.29	0.99	4.80
	2520	-36.94	-13	-23.94	-50.79	-38.91	1.30	5.42	H
	3360	-53.81	-13	-40.81	-69.83	-57.48	1.56	7.38	H
									H
									H
									H
									H
	1680	-52.36	-13	-39.36	-62.18	-54.01	0.99	4.80	V
	2520	-42.92	-13	-29.92	-56.84	-44.89	1.30	5.42	V
	3360	-54.06	-13	-41.06	-70.18	-57.73	1.56	7.38	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	-41.41	-25	-16.41	-62.49	-48.77	2.34	9.70	H
	7500	-34.46	-25	-9.46	-61.71	-43.83	2.43	11.80	H
	10008	-40.34	-25	-15.34	-72.01	-49.85	2.70	12.20	H
									H
									H
									H
	4998	-43.66	-25	-18.66	-63.97	-51.02	2.34	9.70	V
	7500	-34.63	-25	-9.63	-62	-44	2.43	11.80	V
	10008	-42.76	-25	-17.76	-73.8	-52.27	2.70	12.20	V
									V
									V
									V
Middle	5064	-45.65	-25	-20.65	-66.93	-52.98	2.37	9.70	H
	7596	-38.13	-25	-13.13	-65.49	-47.59	2.40	11.86	H
	10134	-41.34	-25	-16.34	-73.14	-50.9	2.70	12.25	H
									H
									H
									H
	5064	-46.11	-25	-21.11	-67.57	-53.44	2.37	9.70	V
	7596	-35.53	-25	-10.53	-62.98	-44.99	2.40	11.86	V
	10134	-43.09	-25	-18.09	-74.21	-52.65	2.70	12.25	V
									V
									V
									V
Highest	5130	-47.55	-25	-22.55	-69.03	-54.84	2.41	9.70	H
	7698	-35.04	-25	-10.04	-62.51	-44.59	2.37	11.92	H
	10260	-41.97	-25	-16.97	-73.94	-51.58	2.69	12.30	H
									H
									H
									H
	5130	-44.98	-25	-19.98	-66.58	-52.27	2.41	9.70	V
	7698	-33.21	-25	-8.21	-60.74	-42.76	2.37	11.92	V
	10260	-42.67	-25	-17.67	-73.89	-52.28	2.69	12.30	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	-43.37	-25	-18.37	-64.5	-50.73	2.34	9.70	H
	7500	-34.83	-25	-9.83	-62.08	-44.2	2.43	11.80	H
	10008	-33.23	-25	-8.23	-73.41	-42.74	2.70	12.20	H
									H
									H
									H
									H
	5004	-44.15	-25	-19.15	-65.5	-51.51	2.34	9.70	V
	7500	-35.23	-25	-10.23	-62.6	-44.6	2.43	11.80	V
	10008	-42.68	-25	-17.68	-73.72	-52.19	2.70	12.20	V
									V
	Middle	5064	-44.93	-25	-19.93	-66.21	-52.26	2.37	9.70
7590		-38.17	-25	-13.17	-65.53	-47.62	2.40	11.85	H
10116		-41.07	-25	-16.07	-72.87	-50.62	2.70	12.25	H
									H
									H
									H
									H
5064		-43.95	-25	-18.95	-65.41	-51.28	2.37	9.70	V
7590		-37.47	-25	-12.47	-64.92	-46.92	2.40	11.85	V
10116		-41.93	-25	-16.93	-73.05	-51.48	2.70	12.25	V
									V
Highest		5118	-46.23	-25	-21.23	-67.66	-53.53	2.40	9.70
	7680	-37.94	-25	-12.94	-65.4	-47.48	2.37	11.91	H
	10242	-40.05	-25	-15.05	-72.01	-49.65	2.69	12.30	H
									H
									H
									H
									H
	5118	-47.19	-25	-22.19	-68.76	-54.49	2.40	9.70	V
	7680	-36.19	-25	-11.19	-63.71	-45.73	2.37	11.91	V
	10242	-41.71	-25	-16.71	-72.93	-51.31	2.69	12.30	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	-42.76	-25	-17.76	-63.89	-50.12	2.34	9.70	H
	7500	-34.78	-25	-9.78	-62.03	-44.15	2.43	11.80	H
	10008	-41.00	-25	-16.00	-72.67	-50.51	2.70	12.20	H
									H
									H
									H
									H
	5004	-43.25	-25	-18.25	-64.6	-50.61	2.34	9.70	V
	7500	-32.53	-25	-7.53	-59.9	-41.9	2.43	11.80	V
	10008	-42.90	-25	-17.90	-73.94	-52.41	2.70	12.20	V
									V
	Middle	5058	-43.87	-25	-18.87	-65.15	-51.2	2.37	9.70
7584		-34.46	-25	-9.46	-61.8	-43.91	2.40	11.85	H
10116		-41.31	-25	-16.31	-73.11	-50.86	2.70	12.25	H
									H
									H
									H
									H
5058		-43.59	-25	-18.59	-65.05	-50.92	2.37	9.70	V
7584		-34.64	-25	-9.64	-62.08	-44.09	2.40	11.85	V
10116		-42.10	-25	-17.10	-73.22	-51.65	2.70	12.25	V
									V
Highest		5112	-45.07	-25	-20.07	-66.5	-52.37	2.40	9.70
	7668	-38.00	-25	-13.00	-65.44	-47.53	2.38	11.90	H
	10224	-40.69	-25	-15.69	-72.62	-50.28	2.69	12.29	H
									H
									H
									H
									H
	5112	-45.71	-25	-20.71	-67.28	-53.01	2.40	9.70	V
	7668	-33.53	-25	-8.53	-61.04	-43.06	2.38	11.90	V
	10224	-42.09	-25	-17.09	-73.29	-51.68	2.69	12.29	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	-42.90	-25	-17.90	-64.03	-50.26	2.34	9.70	H
	7506	-34.46	-25	-9.46	-61.73	-43.84	2.43	11.80	H
	10008	-41.63	-25	-16.63	-73.3	-51.14	2.70	12.20	H
									H
									H
									H
									H
	5004	-43.70	-25	-18.70	-65.05	-51.06	2.34	9.70	V
	7506	-36.37	-25	-11.37	-63.76	-45.75	2.43	11.80	V
	10008	-42.33	-25	-17.33	-73.37	-51.84	2.70	12.20	V
									V
	Middle	5052	-45.61	-25	-20.61	-66.84	-52.94	2.37	9.70
7578		-37.32	-25	-12.32	-64.66	-46.76	2.40	11.85	H
10098		-39.89	-25	-14.89	-71.66	-49.43	2.70	12.24	H
									H
									H
									H
									H
5052		-42.95	-25	-17.95	-64.37	-50.28	2.37	9.70	V
7578		-35.23	-25	-10.23	-62.67	-44.67	2.40	11.85	V
10098		-42.35	-25	-17.35	-73.45	-51.89	2.70	12.24	V
									V
Highest		5100	-44.46	-25	-19.46	-65.84	-51.77	2.39	9.70
	7656	-36.22	-25	-11.22	-63.66	-45.73	2.38	11.89	H
	10206	-40.06	-25	-15.06	-71.97	-49.65	2.70	12.28	H
									H
									H
									H
									H
	5100	-43.98	-25	-18.98	-65.51	-51.29	2.39	9.70	V
	7656	-35.54	-25	-10.54	-63.05	-45.05	2.38	11.89	V
	10206	-42.45	-25	-17.45	-73.64	-52.04	2.70	12.28	V
									V
									V
								V	

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