

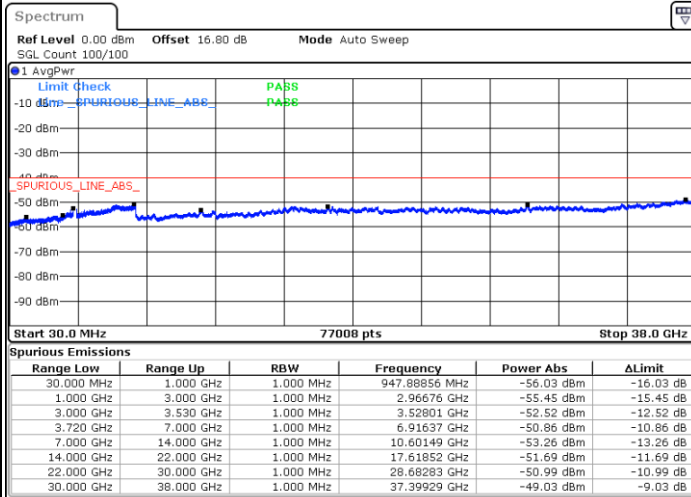


LTE Band 48C / 20MHz+20MHz

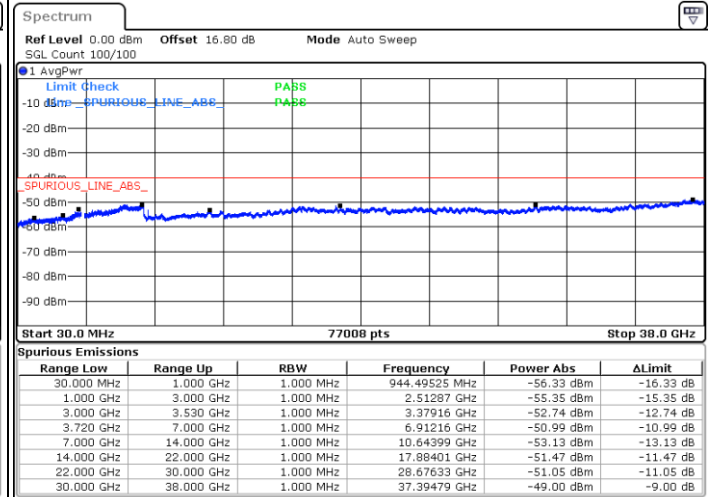
64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



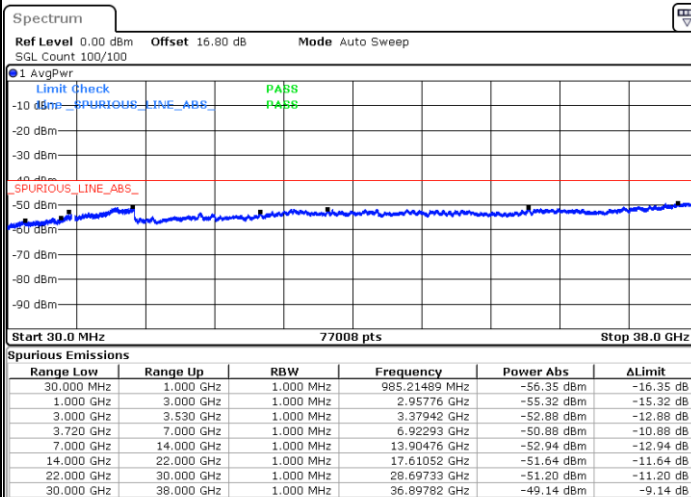
Date: 1.SEP.2020 14:21:15



Date: 1.SEP.2020 14:27:32

Middle Channel / FullIRB

N/A



Date: 1.SEP.2020 14:17:29

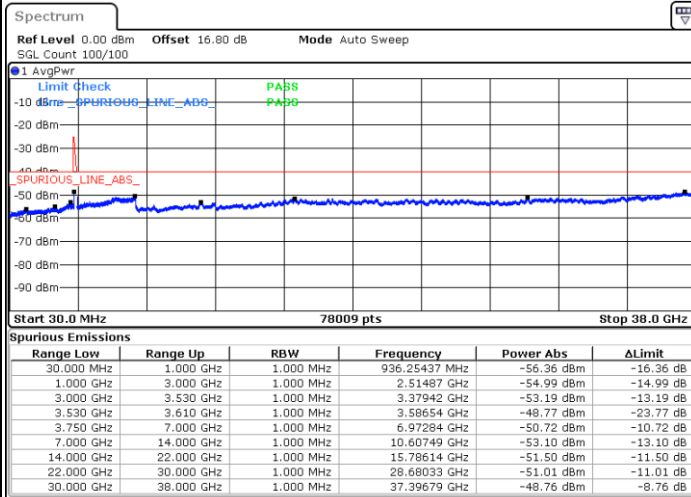


LTE Band 48C / 20MHz+20MHz

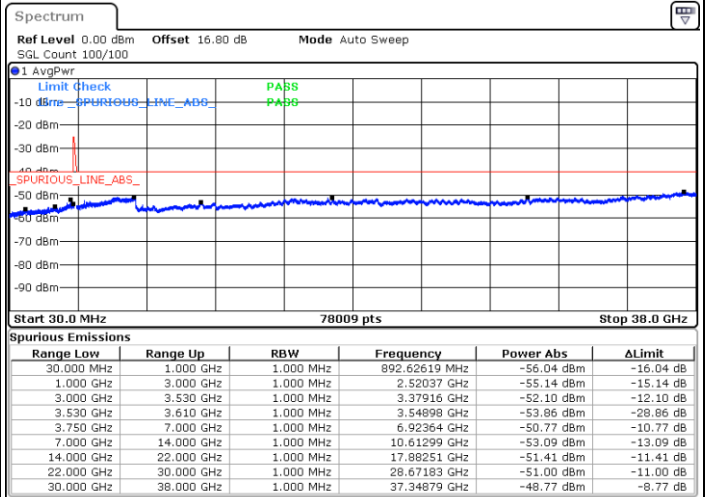
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



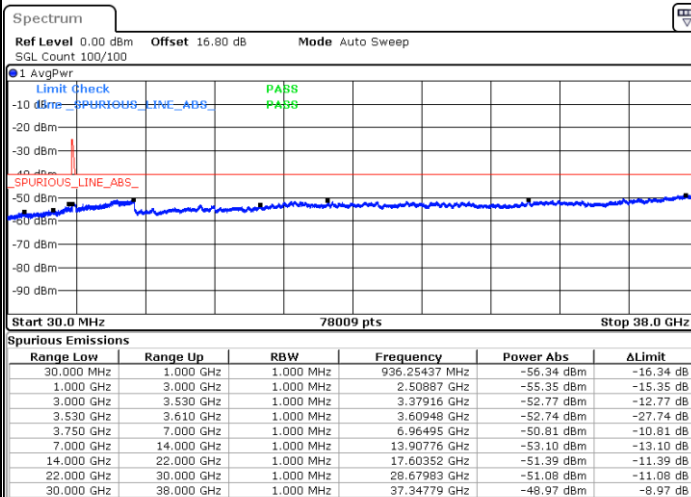
Date: 1.SEP.2020 13:19:06



Date: 1.SEP.2020 13:15:19

Highest Channel / FullIRB

N/A



Date: 1.SEP.2020 13:25:25

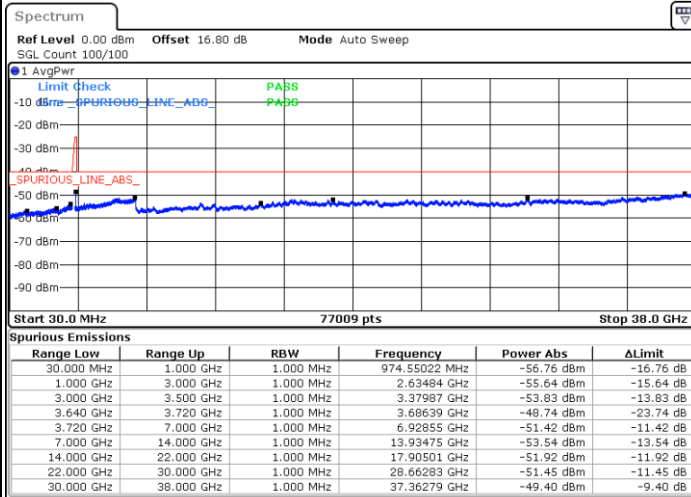


LTE Band 48C / 5MHz+20MHz

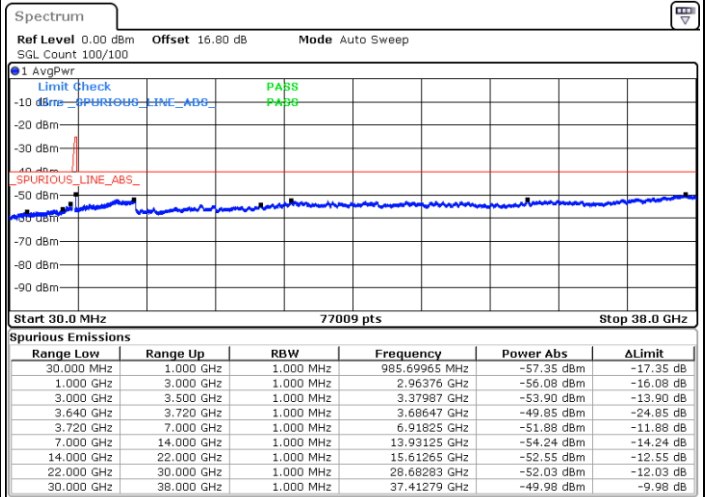
256QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



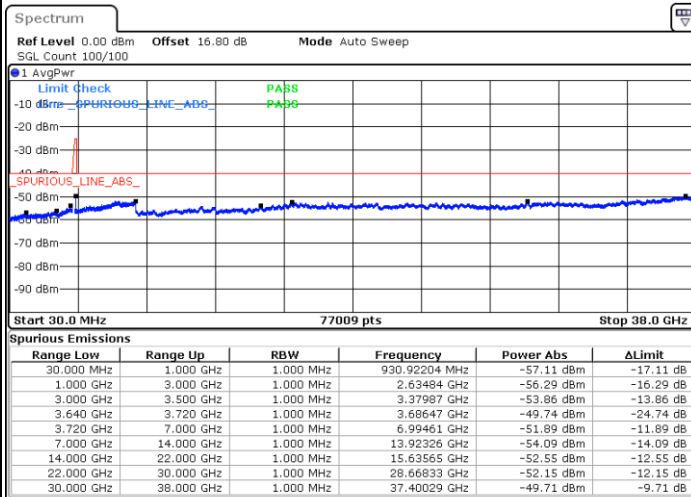
Date: 9.SEP.2020 14:56:11



Date: 6.SEP.2020 12:27:35

Lowest Channel / FullIRB

N/A



Date: 6.SEP.2020 12:30:06

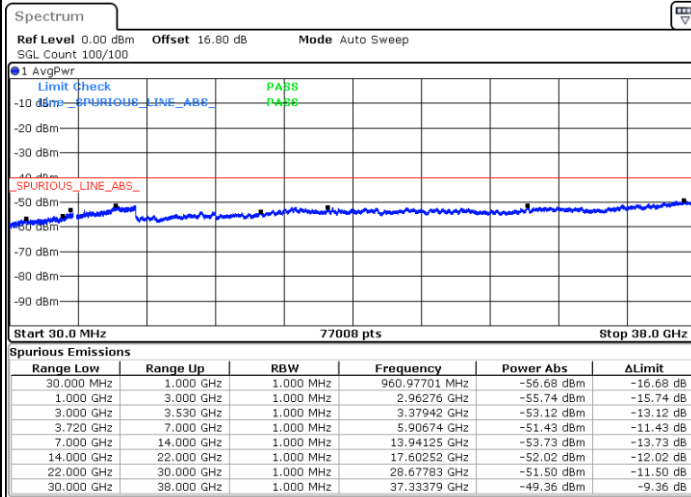


LTE Band 48C / 5MHz+20MHz

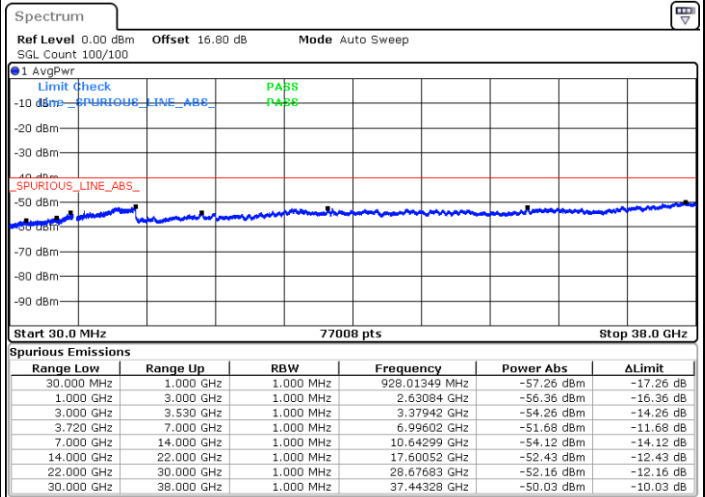
256QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



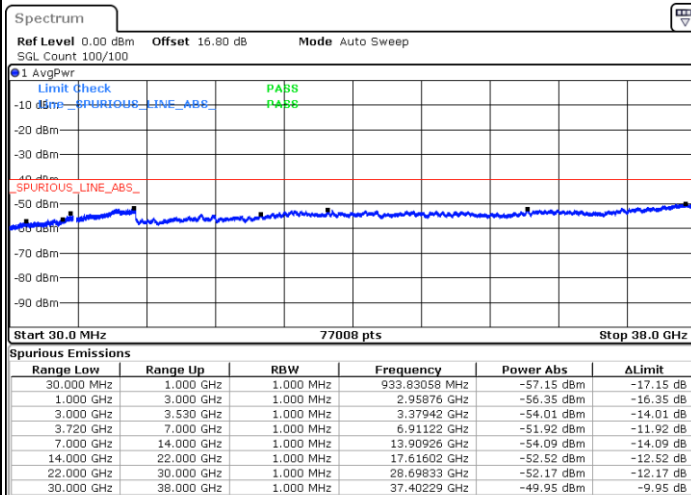
Date: 9.SEP.2020 15:16:58



Date: 6.SEP.2020 13:05:09

Middle Channel / FullIRB

N/A



Date: 6.SEP.2020 13:02:38

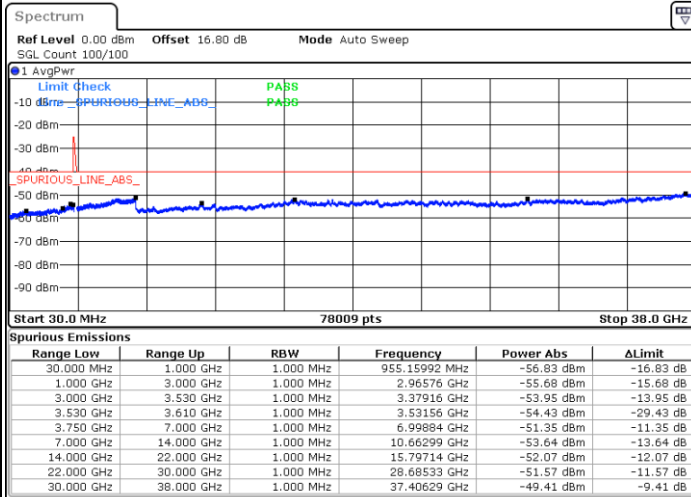


LTE Band 48C / 5MHz+20MHz

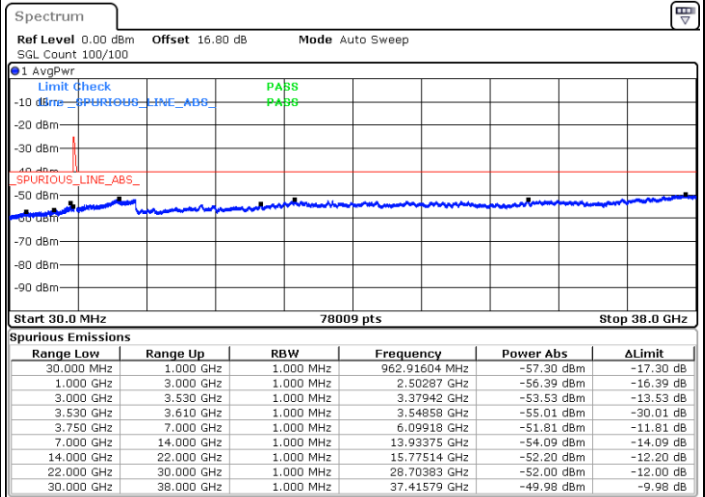
256QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



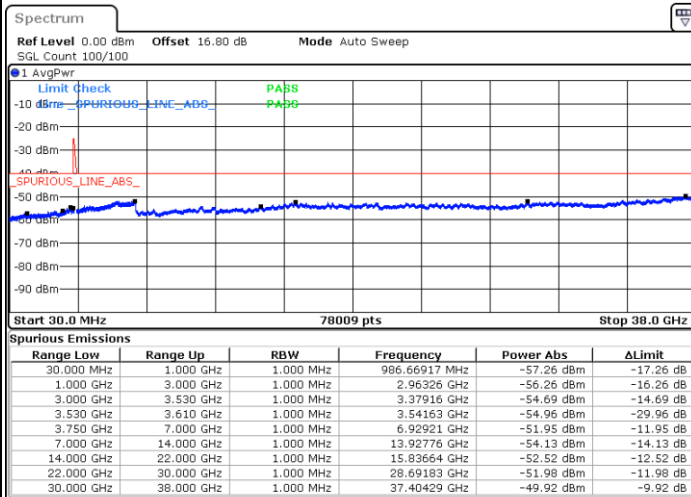
Date: 9.SEP.2020 15:35:10



Date: 6.SEP.2020 13:38:01

Highest Channel / FullIRB

N/A



Date: 6.SEP.2020 13:40:32

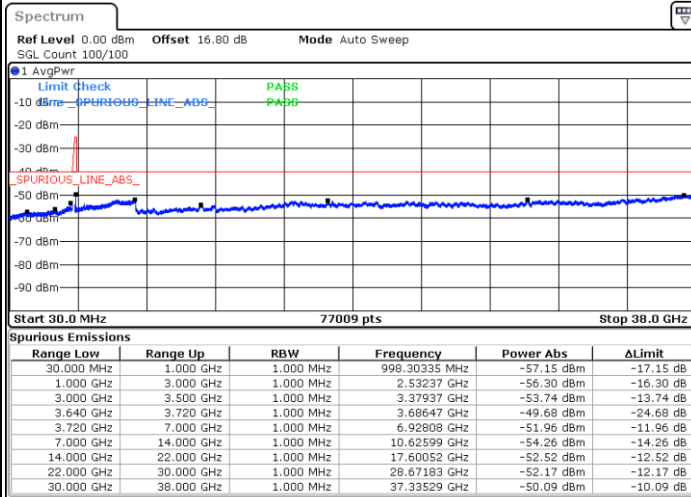


LTE Band 48C / 10MHz+20MHz

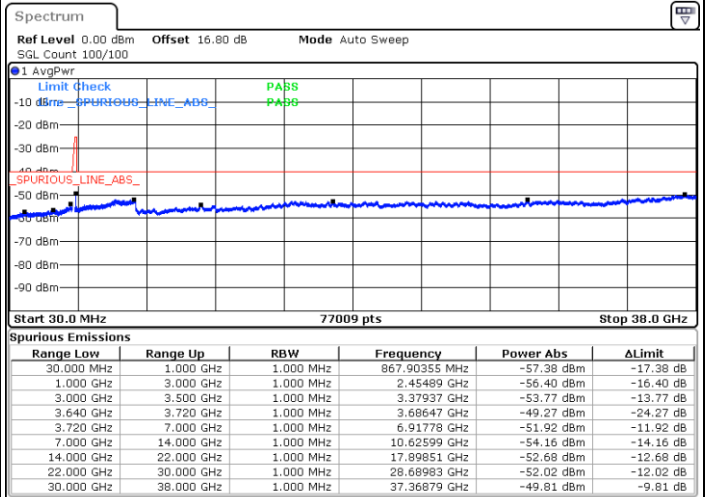
256QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



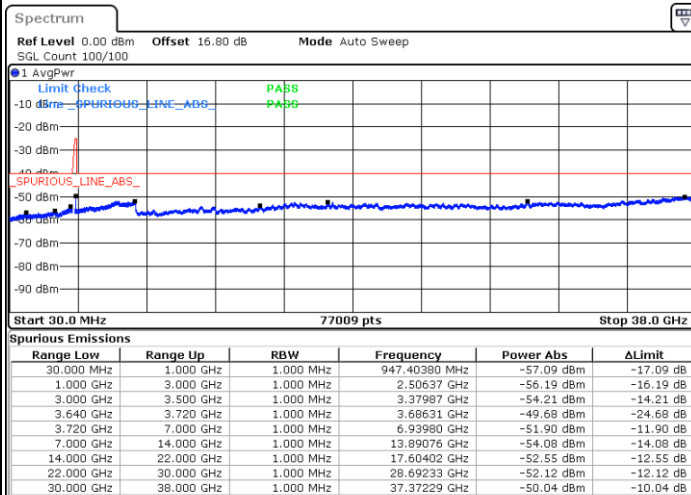
Date: 6.SEP.2020 15:38:27



Date: 6.SEP.2020 15:29:38

Lowest Channel / FullIRB

N/A



Date: 6.SEP.2020 15:39:42

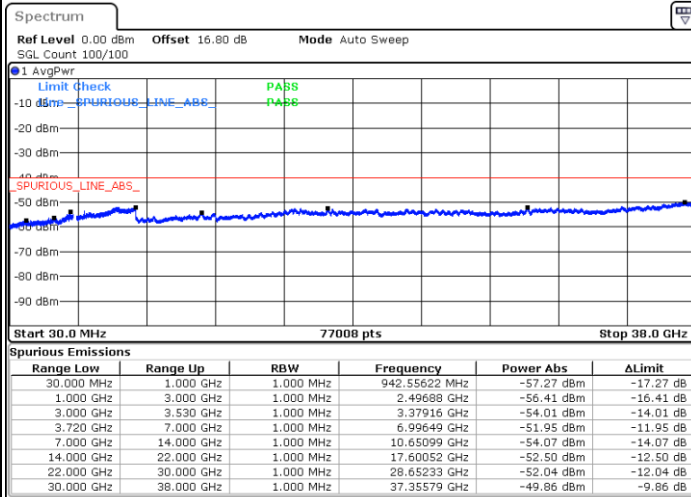


LTE Band 48C / 10MHz+20MHz

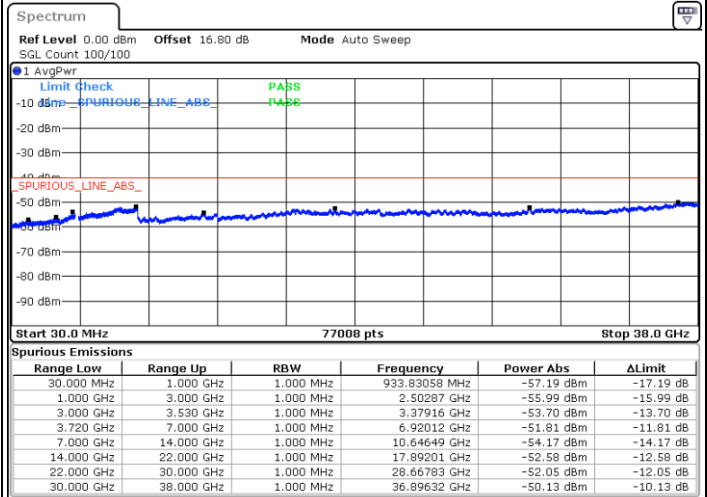
256QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



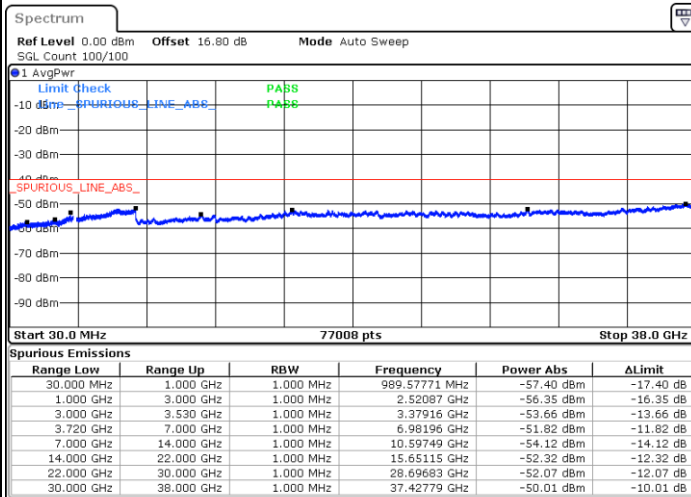
Date: 6.SEP.2020 16:02:22



Date: 6.SEP.2020 16:11:09

Middle Channel / FullIRB

N/A



Date: 6.SEP.2020 16:01:06

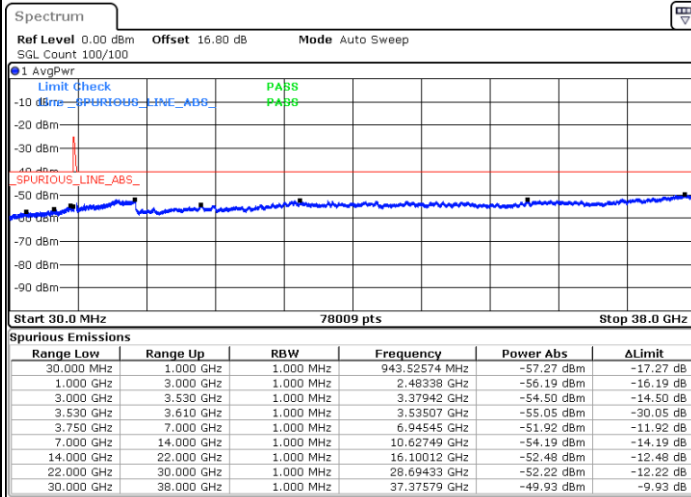


LTE Band 48C / 10MHz+20MHz

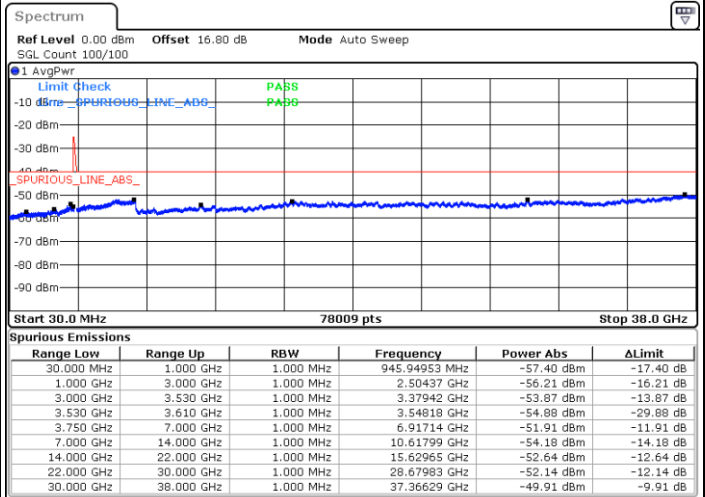
256QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



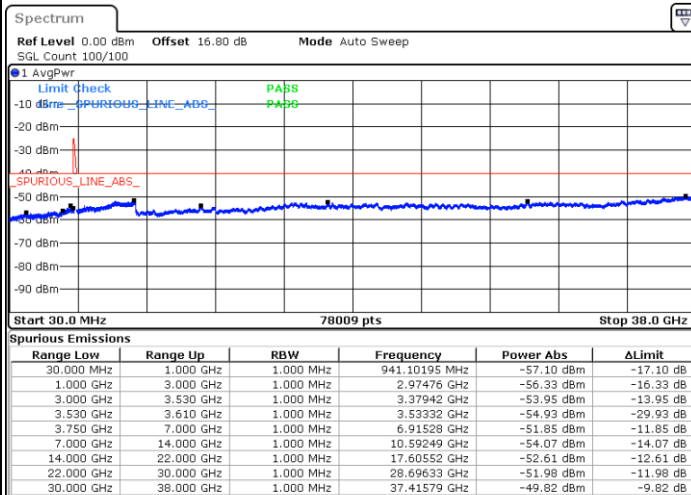
Date: 6.SEP.2020 16:31:45



Date: 6.SEP.2020 16:30:29

Highest Channel / FullIRB

N/A



Date: 6.SEP.2020 16:40:36

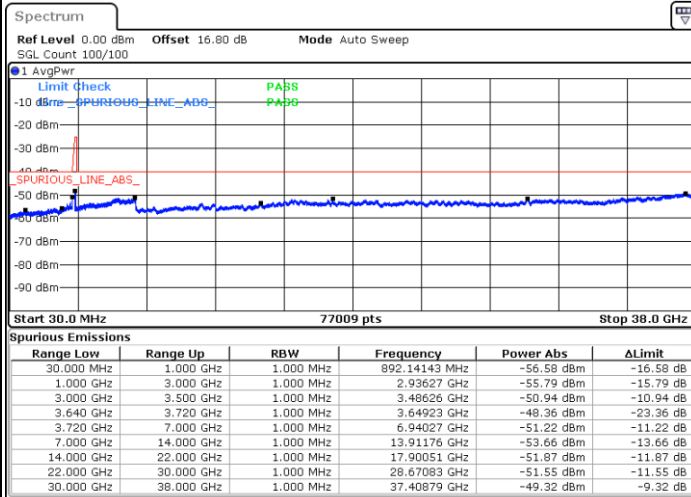


LTE Band 48C / 15MHz+20MHz

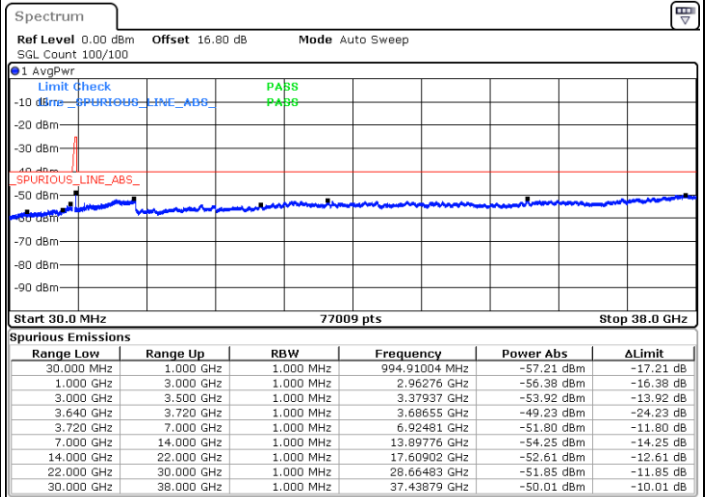
256QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



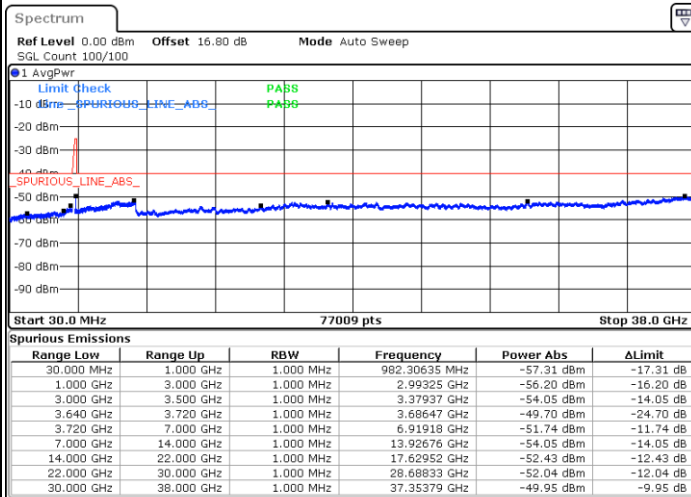
Date: 9.SEP.2020 13:52:30



Date: 6.SEP.2020 16:55:27

Lowest Channel / FullIRB

N/A



Date: 6.SEP.2020 17:05:31

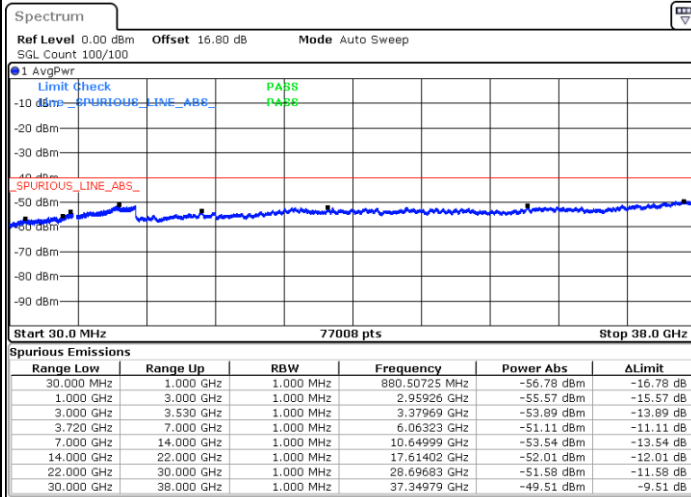


LTE Band 48C / 15MHz+20MHz

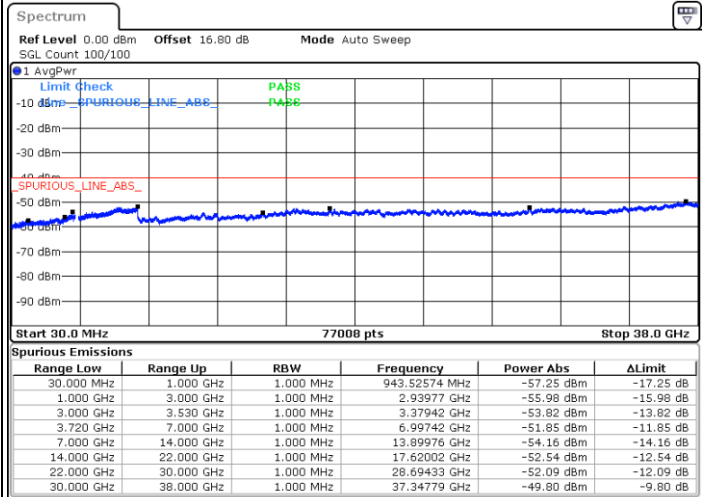
256QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



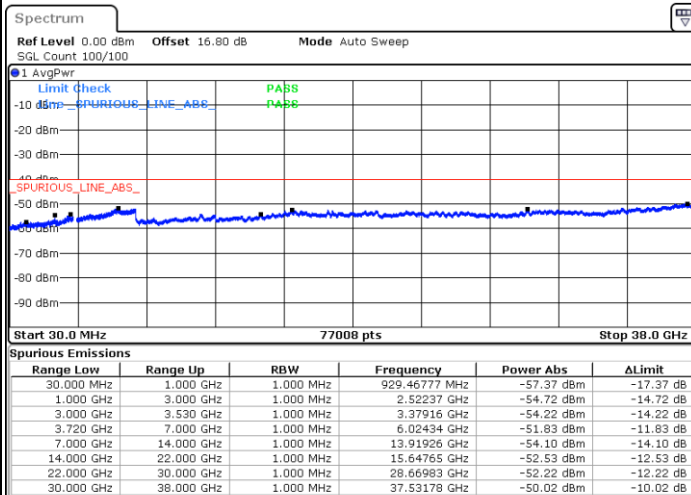
Date: 9.SEP.2020 14:14:55



Date: 6.SEP.2020 17:49:37

Middle Channel / FullIRB

N/A



Date: 6.SEP.2020 17:39:34

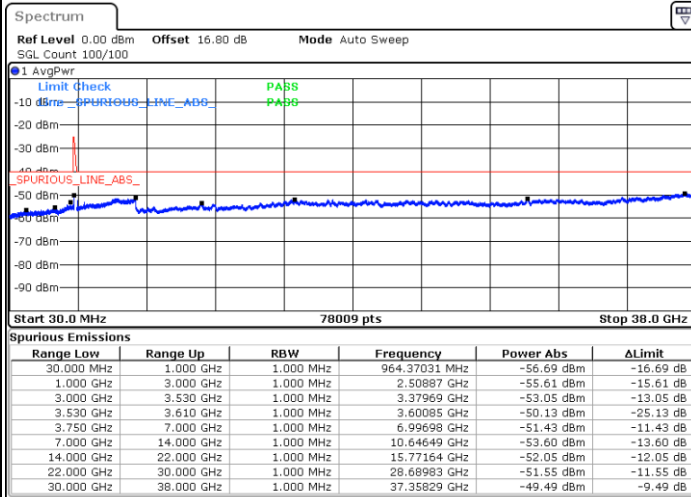


LTE Band 48C / 15MHz+20MHz

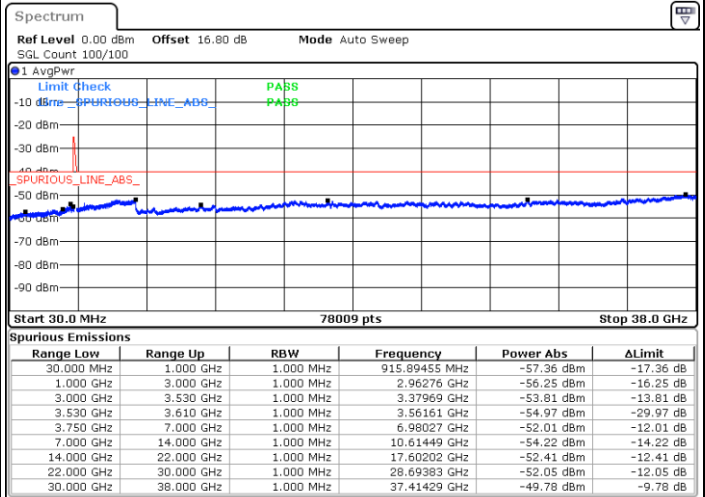
256QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



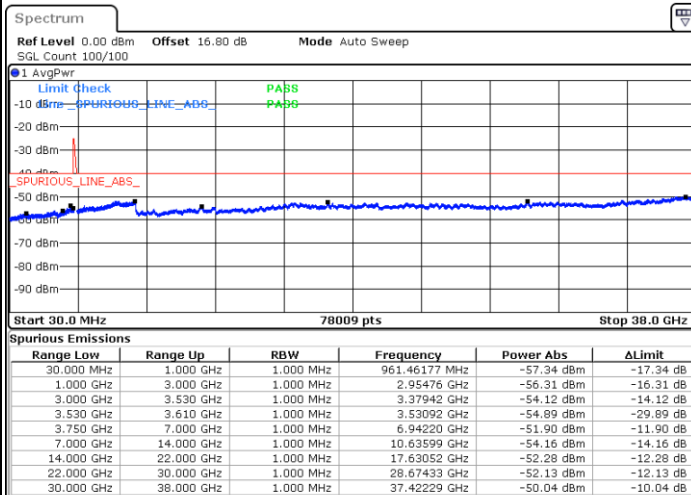
Date: 9.SEP.2020 14:33:36



Date: 6.SEP.2020 18:06:59

Highest Channel / FullIRB

N/A



Date: 6.SEP.2020 18:17:05

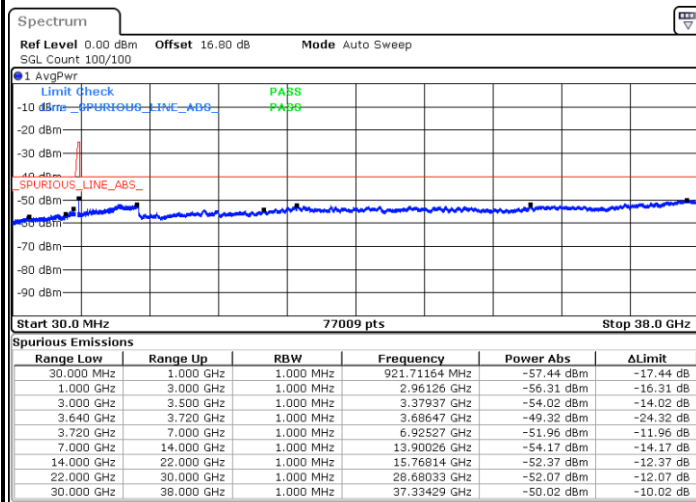


LTE Band 48C / 20MHz+5MHz

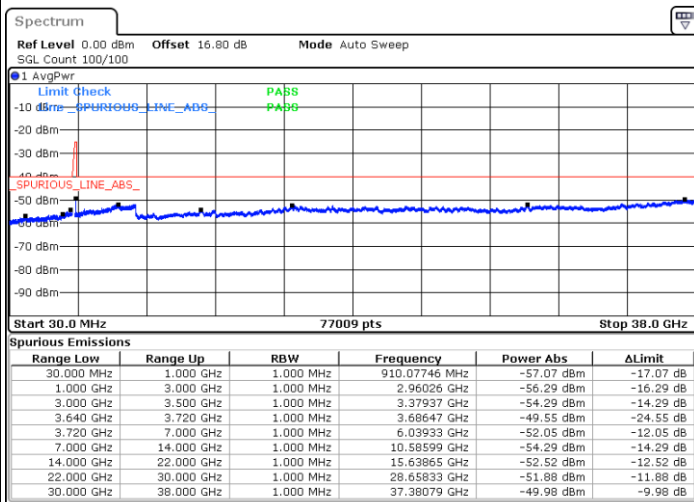
256QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0



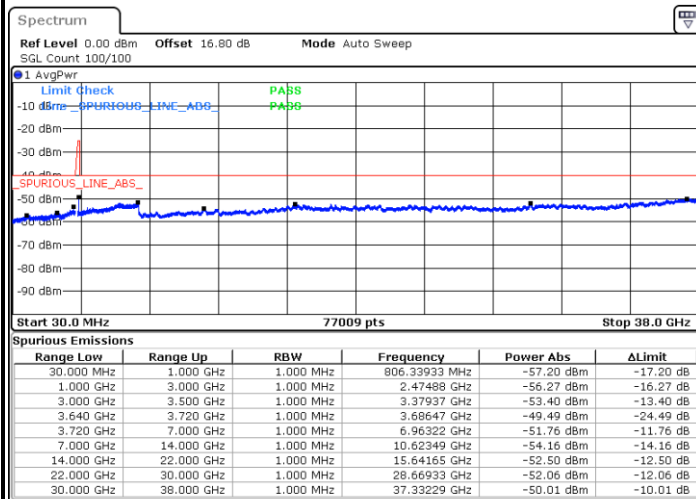
Date: 6.SEP.2020 14:07:43



Date: 6.SEP.2020 14:06:28

Lowest Channel / FullIRB

N/A



Date: 6.SEP.2020 14:08:58

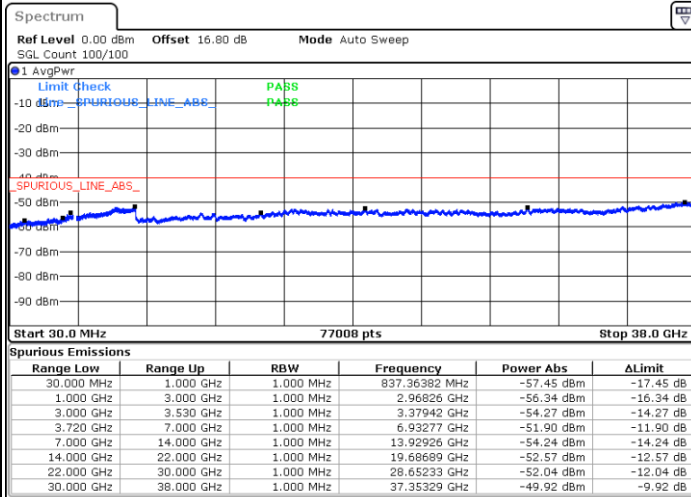


LTE Band 48C / 20MHz+5MHz

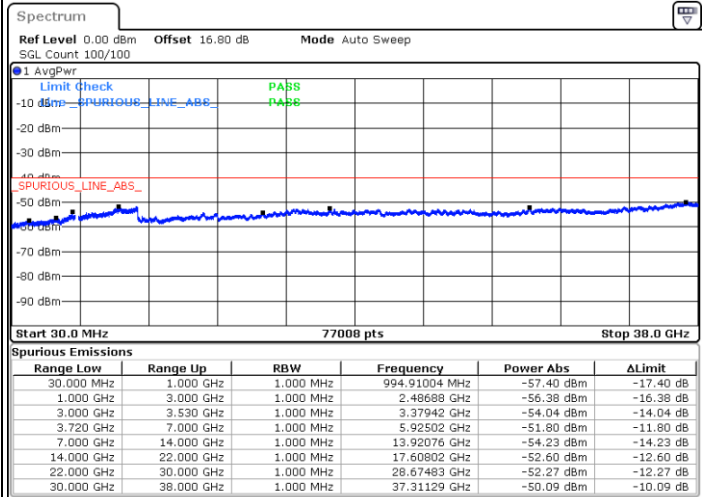
256QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB99 and 1RB0



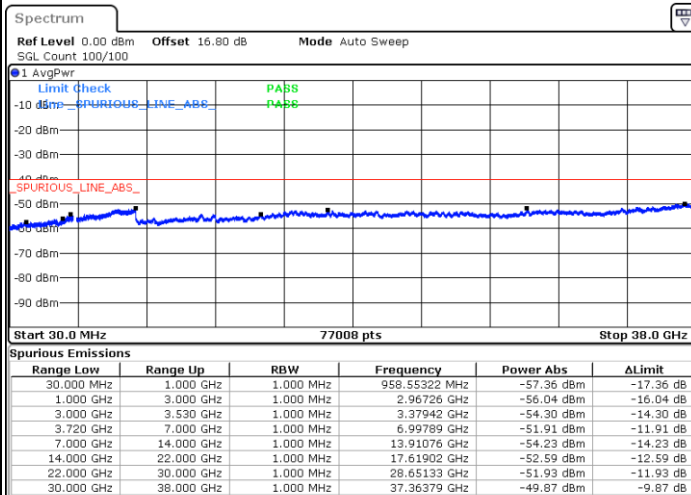
Date: 6.SEP.2020 14:35:10



Date: 6.SEP.2020 14:36:25

Middle Channel / FullIRB

N/A



Date: 6.SEP.2020 14:33:54

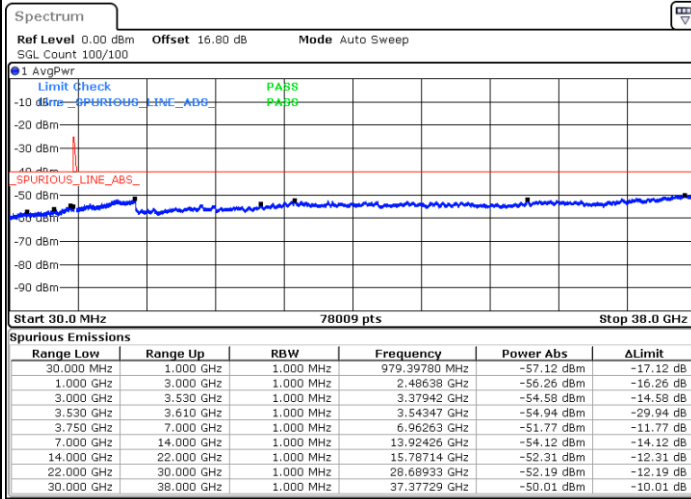


LTE Band 48C / 20MHz+5MHz

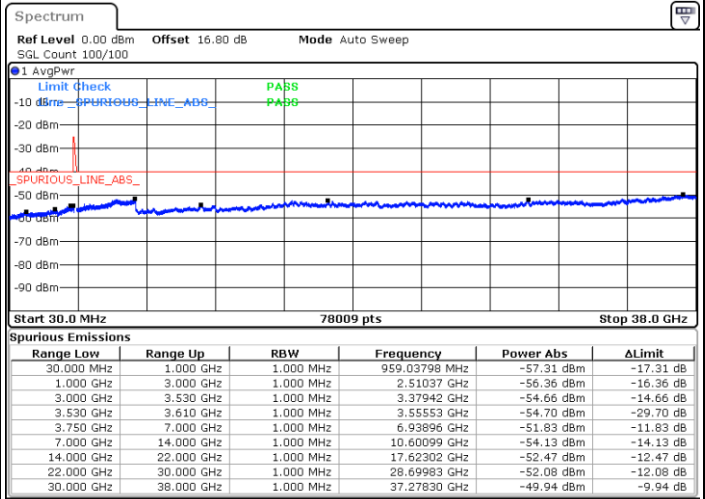
256QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0



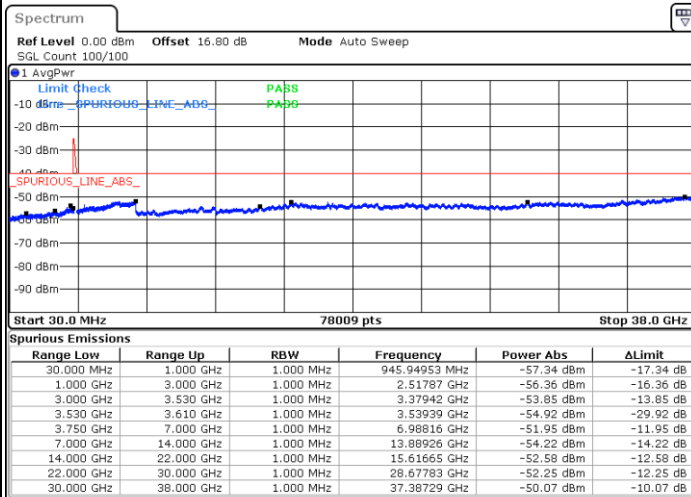
Date: 6.SEP.2020 15:02:36



Date: 6.SEP.2020 15:01:20

Highest Channel / FullIRB

N/A



Date: 6.SEP.2020 15:03:52

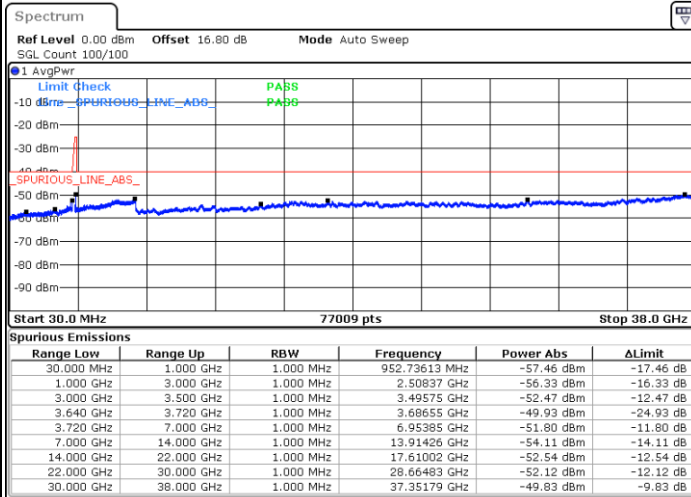


LTE Band 48C / 20MHz+10MHz

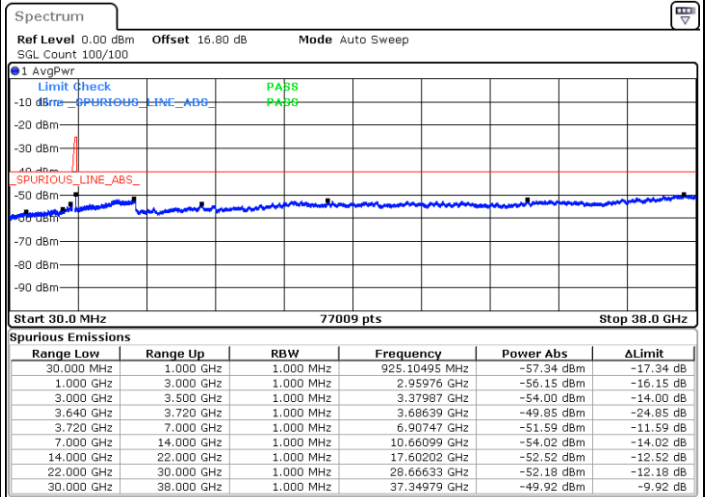
256QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



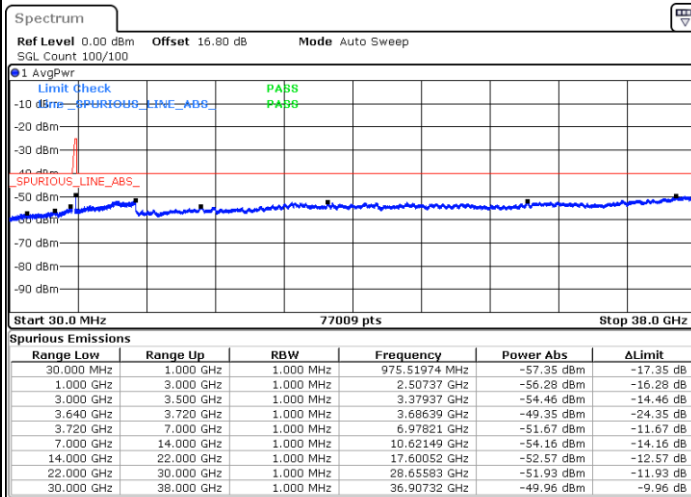
Date: 6.SEP.2020 20:38:53



Date: 6.SEP.2020 20:30:04

Lowest Channel / FullIRB

N/A



Date: 6.SEP.2020 20:40:08

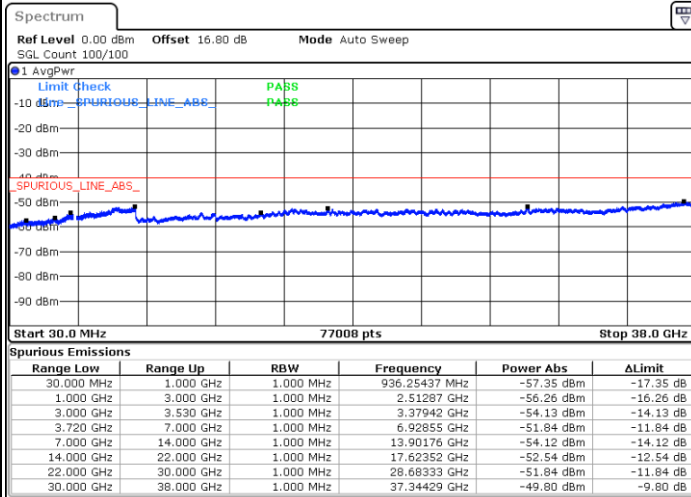


LTE Band 48C / 20MHz+10MHz

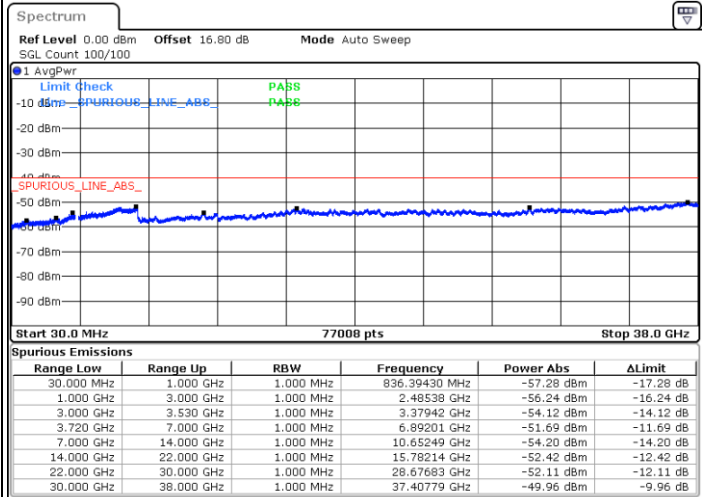
256QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



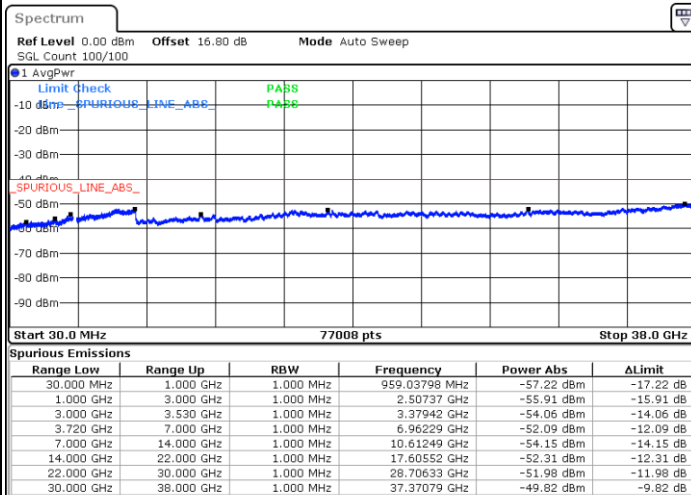
Date: 6.SEP.2020 21:02:45



Date: 6.SEP.2020 21:11:32

Middle Channel / FullRB

N/A



Date: 6.SEP.2020 21:01:29

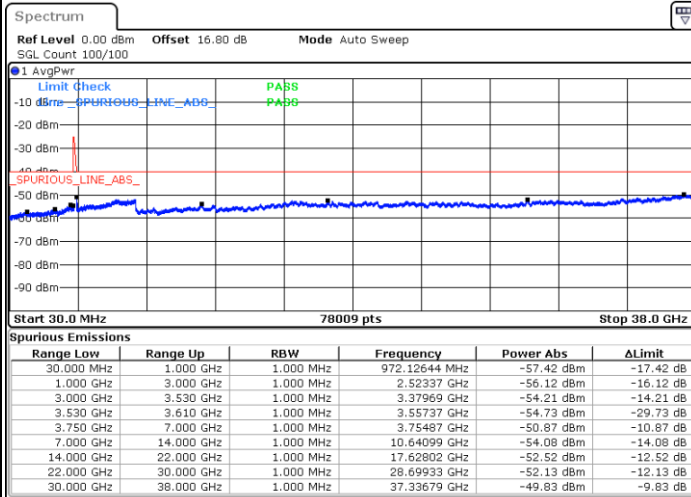


LTE Band 48C / 20MHz+10MHz

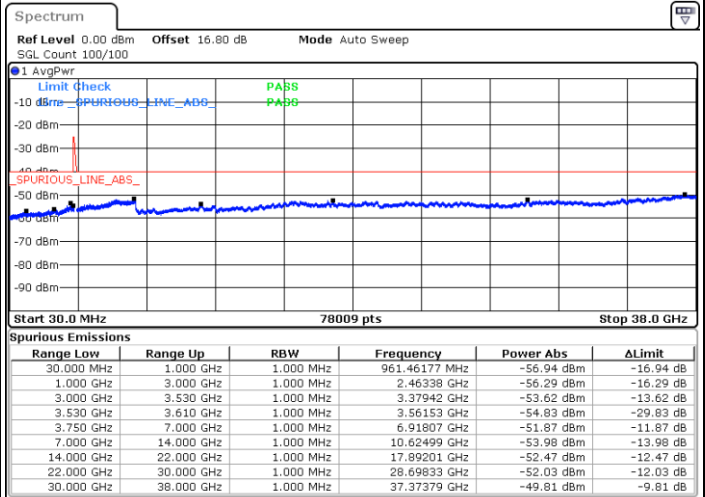
256QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



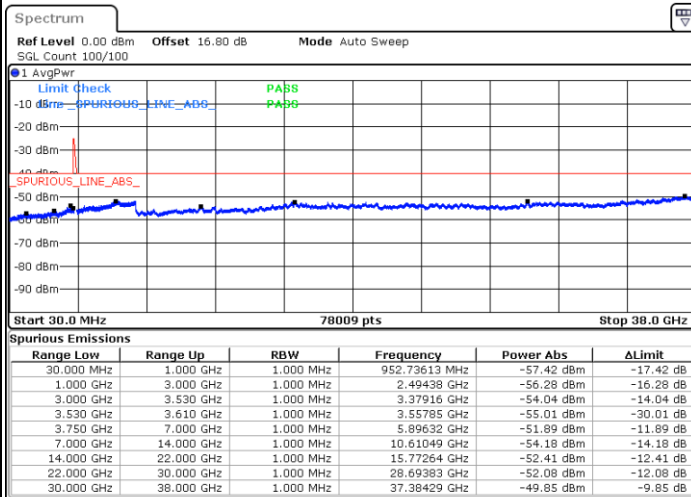
Date: 6.SEP.2020 21:30:22



Date: 6.SEP.2020 21:29:06

Highest Channel / FullIRB

N/A



Date: 6.SEP.2020 23:11:06

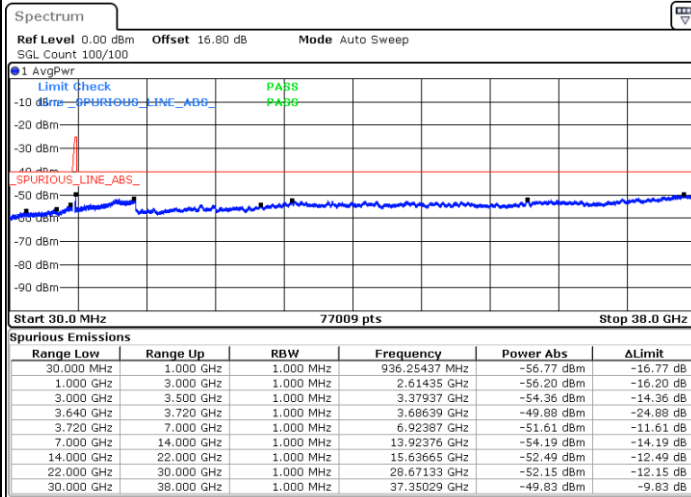


LTE Band 48C / 20MHz+15MHz

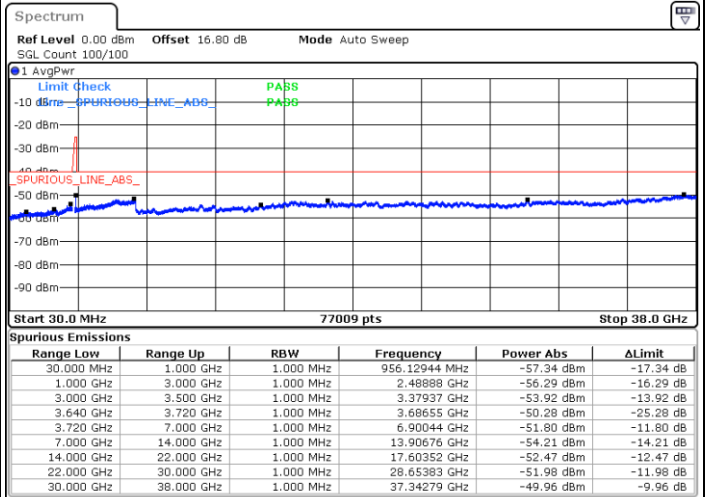
256QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



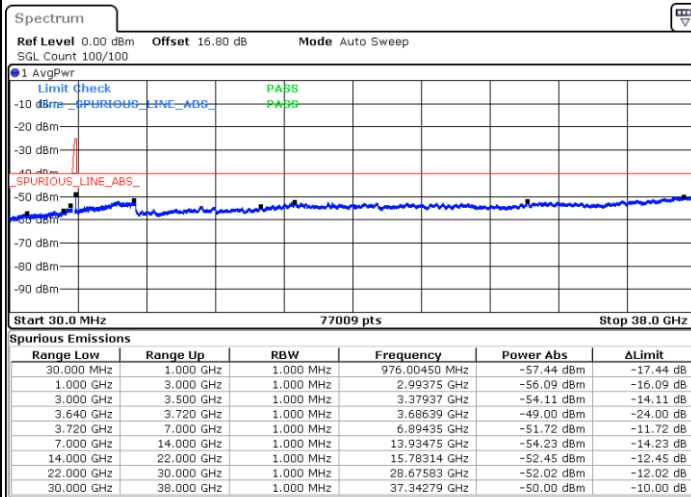
Date: 6.SEP.2020 18:38:52



Date: 6.SEP.2020 18:30:03

Lowest Channel / FullRB

N/A



Date: 6.SEP.2020 18:40:08

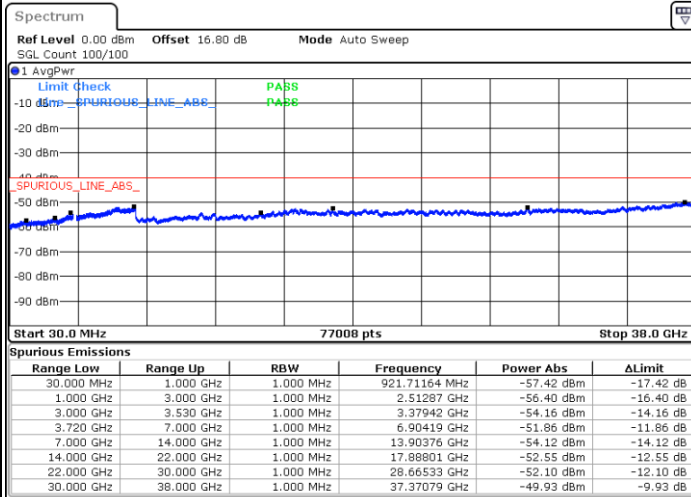


LTE Band 48C / 20MHz+15MHz

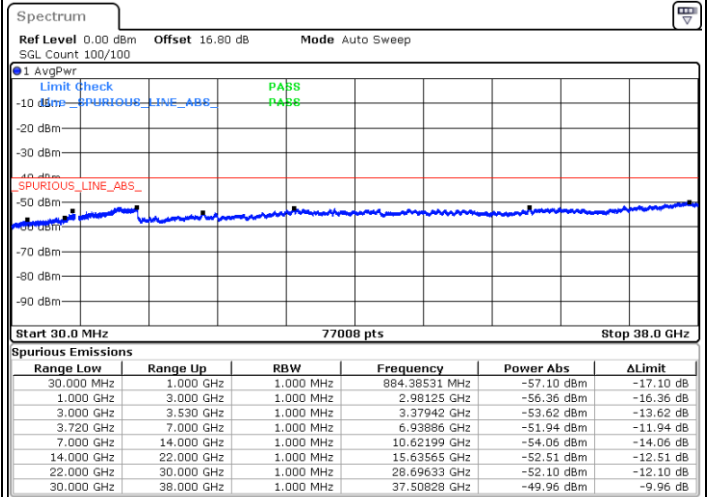
256QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



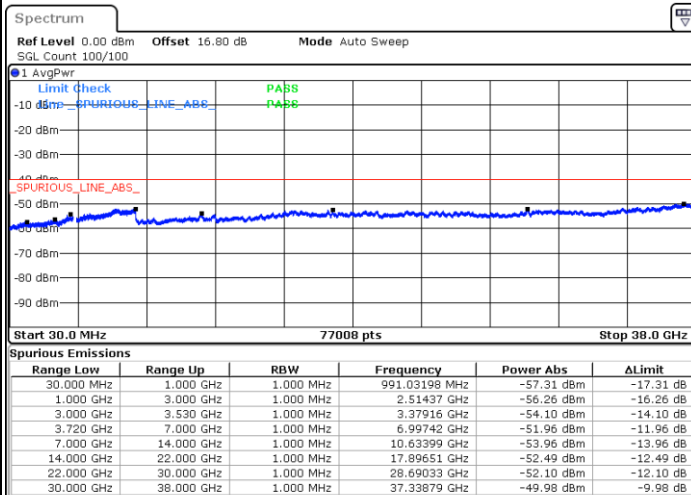
Date: 6.SEP.2020 19:09:02



Date: 6.SEP.2020 19:17:50

Middle Channel / FullRB

N/A



Date: 6.SEP.2020 19:07:47

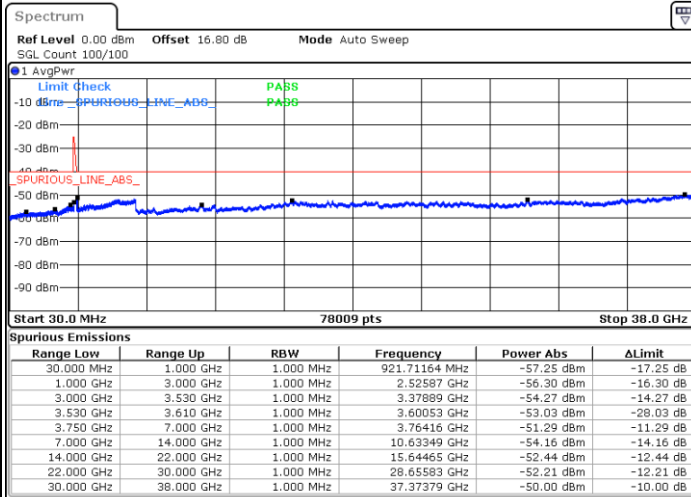


LTE Band 48C / 20MHz+15MHz

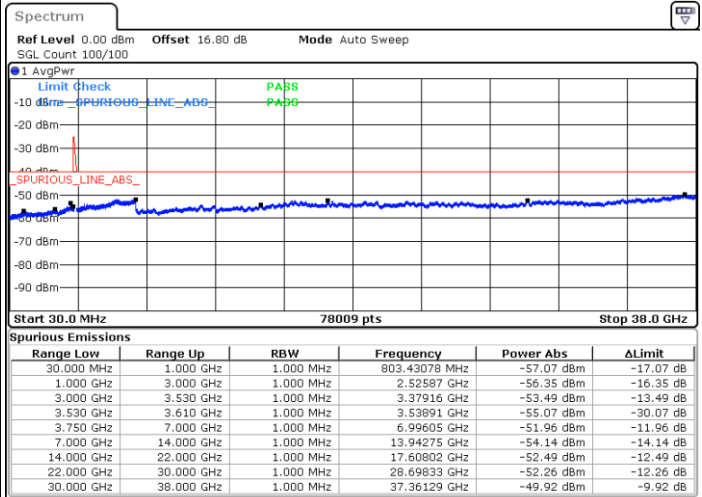
256QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



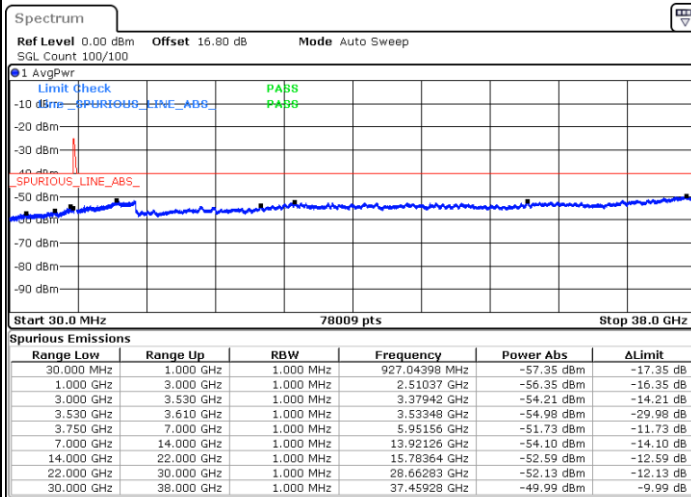
Date: 6.SEP.2020 19:36:33



Date: 6.SEP.2020 19:35:18

Highest Channel / FullIRB

N/A



Date: 6.SEP.2020 19:45:25

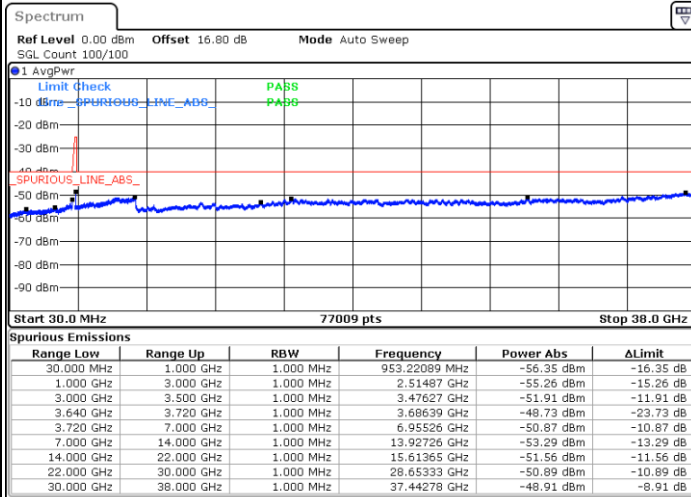


LTE Band 48C / 20MHz+20MHz

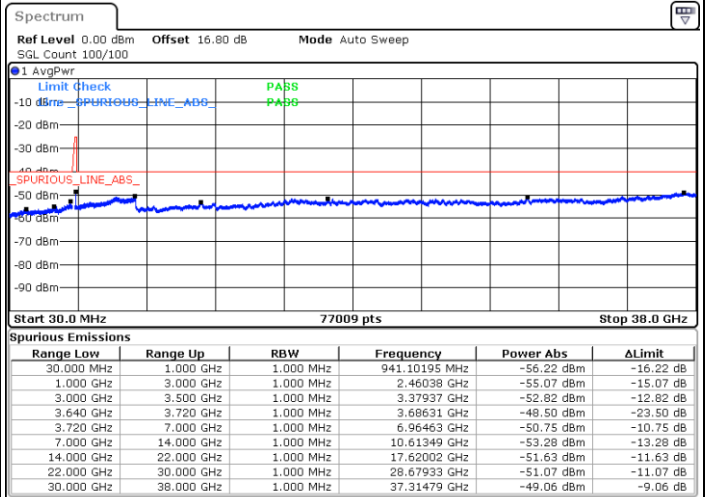
256QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



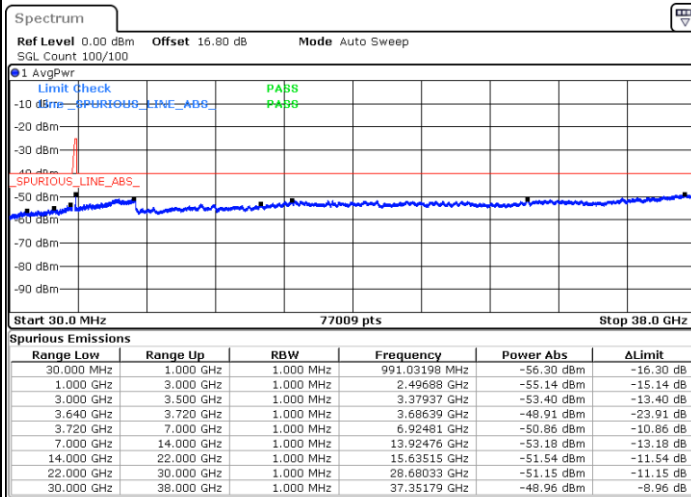
Date: 1.SEP.2020 14:57:29



Date: 1.SEP.2020 14:48:40

Lowest Channel / FullIRB

N/A



Date: 1.SEP.2020 14:58:44

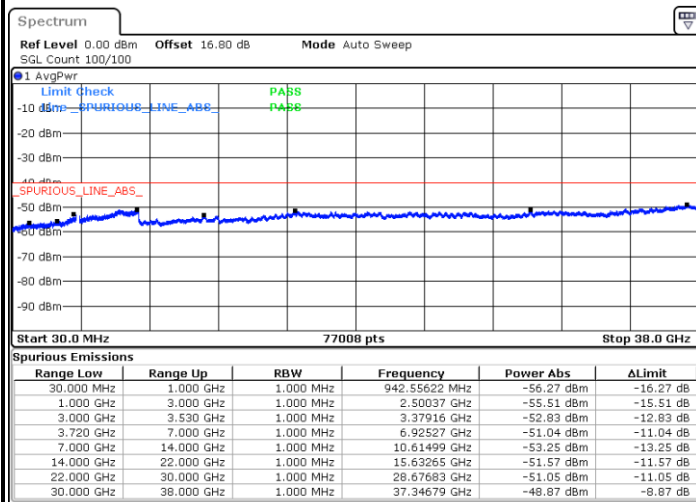


LTE Band 48C / 20MHz+20MHz

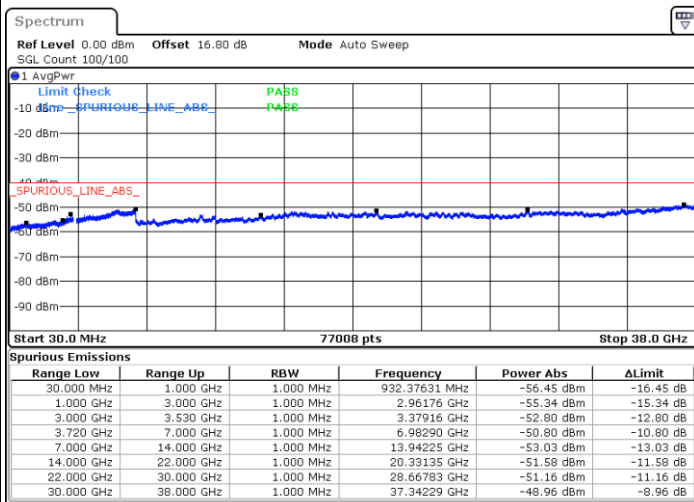
256QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



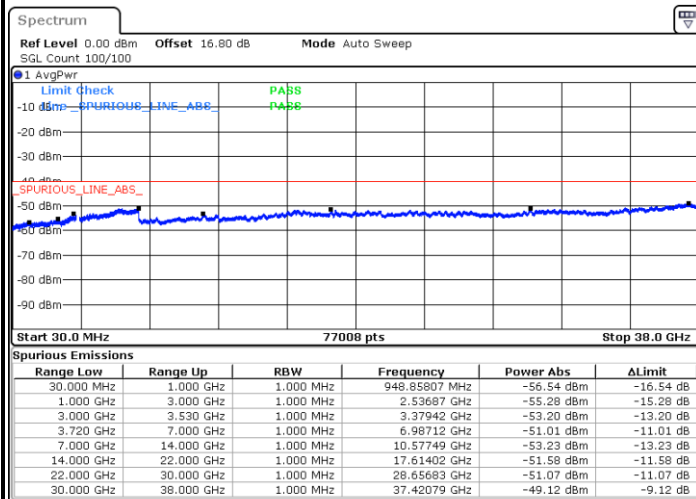
Date: 1.SEP.2020 14:20:00



Date: 1.SEP.2020 14:28:47

Middle Channel / FullIRB

N/A



Date: 1.SEP.2020 14:18:45

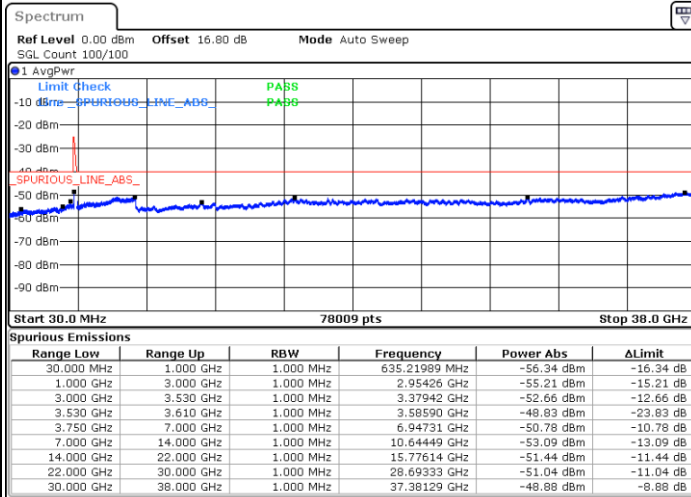


LTE Band 48C / 20MHz+20MHz

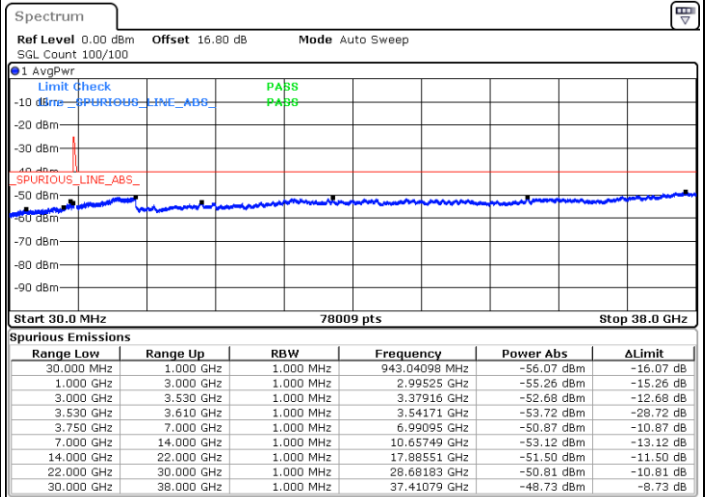
256QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



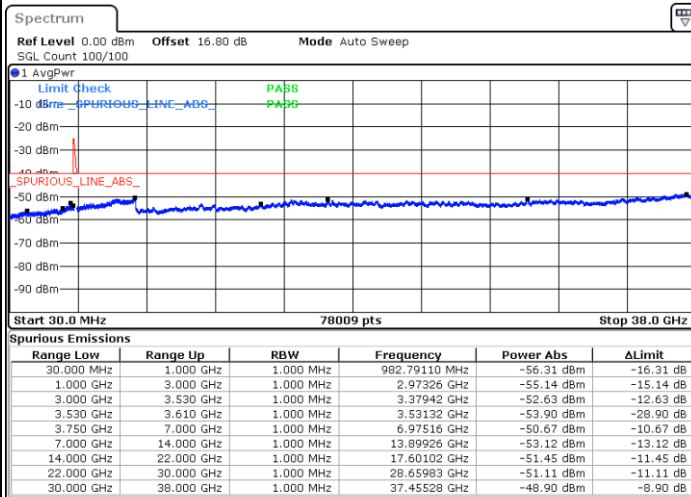
Date: 1.SEP.2020 13:17:51



Date: 1.SEP.2020 13:16:35

Highest Channel / FullIRB

N/A



Date: 1.SEP.2020 13:26:41



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<Reporting Only>

LTE Band 42 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.78	0.0755	20.18	0.1042
Middle		1	0	18.81	0.0760	20.21	0.1050
Highest		1	0	18.76	0.0752	20.16	0.1038
Lowest	16QAM	1	0	17.94	0.0622	19.34	0.0859
Middle		1	0	17.85	0.0610	19.25	0.0841
Highest		1	0	17.87	0.0612	19.27	0.0845
Lowest	64QAM	1	0	16.46	0.0443	17.86	0.0611
Middle		1	0	16.58	0.0455	17.98	0.0628
Highest		1	0	16.53	0.0450	17.93	0.0621
Lowest	256QAM	12	13	14.97	0.0314	16.37	0.0434
Middle		12	13	14.99	0.0316	16.39	0.0436
Highest		12	13	14.85	0.0305	16.25	0.0422

LTE Band 42 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.73	0.0746	20.13	0.1030
Middle		1	0	18.76	0.0752	20.16	0.1038
Highest		1	0	18.82	0.0762	20.22	0.1052
Lowest	16QAM	1	0	17.86	0.0611	19.26	0.0843
Middle		1	0	17.94	0.0622	19.34	0.0859
Highest		1	0	17.89	0.0615	19.29	0.0849
Lowest	64QAM	1	0	16.51	0.0448	17.91	0.0618
Middle		1	0	16.49	0.0446	17.89	0.0615
Highest		1	0	16.51	0.0448	17.91	0.0618
Lowest	256QAM	25	12	14.90	0.0309	16.30	0.0427
Middle		25	12	14.88	0.0308	16.28	0.0425
Highest		25	12	14.99	0.0316	16.39	0.0436



LTE Band 42 / 15MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.82	0.0762	20.22	0.1052
Middle		1	0	18.76	0.0752	20.16	0.1038
Highest		1	0	18.77	0.0753	20.17	0.1040
Lowest	16QAM	1	0	17.94	0.0622	19.34	0.0859
Middle		1	0	17.85	0.0610	19.25	0.0841
Highest		1	0	17.87	0.0612	19.27	0.0845
Lowest	64QAM	1	0	16.55	0.0452	17.95	0.0624
Middle		1	0	16.59	0.0456	17.99	0.0630
Highest		1	0	16.52	0.0449	17.92	0.0619
Lowest	256QAM	36	39	14.97	0.0314	16.37	0.0434
Middle		36	39	15.00	0.0316	16.40	0.0437
Highest		36	39	14.93	0.0311	16.33	0.0430

LTE Band 42 / 20MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.83	0.0764	20.23	0.1054
Middle		1	0	18.83	0.0764	20.23	0.1054
Highest		1	0	18.82	0.0762	20.22	0.1052
Lowest	16QAM	1	0	17.94	0.0622	19.34	0.0859
Middle		1	0	17.95	0.0624	19.35	0.0861
Highest		1	0	17.91	0.0618	19.31	0.0853
Lowest	64QAM	1	0	16.56	0.0453	17.96	0.0625
Middle		1	0	16.59	0.0456	17.99	0.0630
Highest		1	0	16.58	0.0455	17.98	0.0628
Lowest	256QAM	50	50	14.97	0.0314	16.37	0.0434
Middle		50	50	15.00	0.0316	16.40	0.0437
Highest		50	50	14.95	0.0313	16.35	0.0432



LTE Band 48 / 5MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.30	0.0851	22.70	0.1862
Middle		1	0	19.42	0.0875	22.82	0.1914
Highest		1	0	19.49	0.0889	22.89	0.1945
Lowest	16QAM	1	0	18.21	0.0662	21.61	0.1449
Middle		1	0	18.27	0.0671	21.67	0.1469
Highest		1	0	18.46	0.0701	21.86	0.1535
Lowest	64QAM	1	0	16.92	0.0492	20.32	0.1076
Middle		1	0	16.92	0.0492	20.32	0.1076
Highest		1	0	17.17	0.0521	20.57	0.1140
Lowest	256QAM	12	7	14.86	0.0306	18.26	0.0670
Middle		12	7	14.90	0.0309	18.30	0.0676
Highest		12	7	14.83	0.0304	18.23	0.0665

LTE Band 48 / 10MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.37	0.0865	22.77	0.1892
Middle		1	0	19.37	0.0865	22.77	0.1892
Highest		1	0	19.41	0.0873	22.81	0.1910
Lowest	16QAM	1	0	18.30	0.0676	21.70	0.1479
Middle		1	0	18.34	0.0682	21.74	0.1493
Highest		1	0	18.48	0.0705	21.88	0.1542
Lowest	64QAM	1	0	16.94	0.0494	20.34	0.1081
Middle		1	0	16.93	0.0493	20.33	0.1079
Highest		1	0	17.12	0.0515	20.52	0.1127
Lowest	256QAM	25	12	14.82	0.0303	18.22	0.0664
Middle		25	12	14.91	0.0310	18.31	0.0678
Highest		25	12	14.82	0.0303	18.22	0.0664



LTE Band 48 / 15MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	19.24	0.0839	22.64	0.1837
Middle		1	37	19.24	0.0839	22.64	0.1837
Highest		1	37	19.46	0.0883	22.86	0.1932
Lowest	16QAM	1	0	18.28	0.0673	21.68	0.1472
Middle		1	0	18.25	0.0668	21.65	0.1462
Highest		1	0	18.46	0.0701	21.86	0.1535
Lowest	64QAM	1	0	16.93	0.0493	20.33	0.1079
Middle		1	0	17.01	0.0502	20.41	0.1099
Highest		1	0	17.19	0.0524	20.59	0.1146
Lowest	256QAM	36	20	14.91	0.0310	18.31	0.0678
Middle		36	20	14.91	0.0310	18.31	0.0678
Highest		36	20	14.86	0.0306	18.26	0.0670

LTE Band 48 / 20MHz (Average) (GT - LC = 3.4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.38	0.0867	22.78	0.1897
Middle		1	0	19.38	0.0867	22.78	0.1897
Highest		1	0	19.50	0.0891	22.90	0.1950
Lowest	16QAM	1	0	18.30	0.0676	21.70	0.1479
Middle		1	0	18.30	0.0676	21.70	0.1479
Highest		1	0	18.49	0.0706	21.89	0.1545
Lowest	64QAM	1	0	16.98	0.0499	20.38	0.1091
Middle		1	0	16.96	0.0497	20.36	0.1086
Highest		1	0	17.20	0.0525	20.60	0.1148
Lowest	256QAM	50	24	14.91	0.0310	18.31	0.0678
Middle		50	24	14.86	0.0306	18.26	0.0670
Highest		50	24	14.87	0.0307	18.27	0.0671



LTE Band 48C_CA / 20 + 20 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	1	0	15.63	0.0366	19.03	0.0800
Middle		1	99	1	0	15.88	0.0387	19.28	0.0847
Highest		1	99	1	0	16.54	0.0451	19.94	0.0986
Lowest	16QAM	1	99	1	0	14.76	0.0299	18.16	0.0655
Middle		1	99	1	0	15.09	0.0323	18.49	0.0706
Highest		1	99	1	0	15.62	0.0365	19.02	0.0798
Lowest	64QAM	1	99	1	0	13.60	0.0229	17.00	0.0501
Middle		1	99	1	0	13.86	0.0243	17.26	0.0532
Highest		1	99	1	0	14.28	0.0268	17.68	0.0586
Lowest	256QAM	100	0	100	0	10.80	0.0120	14.20	0.0263
Middle		100	0	100	0	10.75	0.0119	14.15	0.0260
Highest		100	0	100	0	11.10	0.0129	14.50	0.0282
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 15 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	1	0	15.83	0.0383	19.23	0.0838
Middle		1	99	1	0	16.02	0.0400	19.42	0.0875
Highest		1	99	1	0	16.42	0.0439	19.82	0.0959
Lowest	16QAM	1	99	1	0	15.02	0.0318	18.42	0.0695
Middle		1	99	1	0	15.26	0.0336	18.66	0.0735
Highest		1	99	1	0	15.73	0.0374	19.13	0.0818
Lowest	64QAM	1	99	1	0	13.64	0.0231	17.04	0.0506
Middle		1	99	1	0	13.88	0.0244	17.28	0.0535
Highest		1	99	1	0	14.36	0.0273	17.76	0.0597
Lowest	256QAM	100	0	75	0	11.11	0.0129	14.51	0.0282
Middle		100	0	75	0	11.35	0.0136	14.75	0.0299
Highest		100	0	75	0	11.74	0.0149	15.14	0.0327
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 15 + 20 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	1	0	15.82	0.0382	19.22	0.0836
Middle		1	74	1	0	16.12	0.0409	19.52	0.0895
Highest		1	74	1	0	16.40	0.0437	19.80	0.0955
Lowest	16QAM	1	74	1	0	15.04	0.0319	18.44	0.0698
Middle		1	74	1	0	15.38	0.0345	18.78	0.0755
Highest		1	74	1	0	15.69	0.0371	19.09	0.0811
Lowest	64QAM	1	74	1	0	13.72	0.0236	17.12	0.0515
Middle		1	74	1	0	13.98	0.0250	17.38	0.0547
Highest		1	74	1	0	14.28	0.0268	17.68	0.0586
Lowest	256QAM	75	0	100	0	11.06	0.0128	14.46	0.0279
Middle		75	0	100	0	11.27	0.0134	14.67	0.0293
Highest		75	0	100	0	11.74	0.0149	15.14	0.0327
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 10 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	1	0	16.00	0.0398	19.40	0.0871
Middle		1	99	1	0	16.22	0.0419	19.62	0.0916
Highest		1	99	1	0	16.50	0.0447	19.90	0.0977
Lowest	16QAM	1	99	1	0	15.13	0.0326	18.53	0.0713
Middle		1	99	1	0	15.33	0.0341	18.73	0.0746
Highest		1	99	1	0	15.91	0.0390	19.31	0.0853
Lowest	64QAM	1	99	1	0	13.88	0.0244	17.28	0.0535
Middle		1	99	1	0	14.08	0.0256	17.48	0.0560
Highest		1	99	1	0	14.65	0.0292	18.05	0.0638
Lowest	256QAM	100	0	50	0	11.28	0.0134	14.68	0.0294
Middle		100	0	50	0	11.50	0.0141	14.90	0.0309
Highest		100	0	50	0	12.01	0.0159	15.41	0.0348
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 10 + 20 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	1	0	15.87	0.0386	19.27	0.0845
Middle		1	49	1	0	16.05	0.0403	19.45	0.0881
Highest		1	49	1	0	15.47	0.0352	18.87	0.0771
Lowest	16QAM	1	49	1	0	14.94	0.0312	18.34	0.0682
Middle		1	49	1	0	15.24	0.0334	18.64	0.0731
Highest		1	49	1	0	14.78	0.0301	18.18	0.0658
Lowest	64QAM	1	49	1	0	13.72	0.0236	17.12	0.0515
Middle		1	49	1	0	13.93	0.0247	17.33	0.0541
Highest		1	49	1	0	13.25	0.0211	16.65	0.0462
Lowest	256QAM	50	0	100	0	11.21	0.0132	14.61	0.0289
Middle		50	0	100	0	11.43	0.0139	14.83	0.0304
Highest		50	0	100	0	11.92	0.0156	15.32	0.0340
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 5 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	1	0	15.98	0.0396	19.38	0.0867
Middle		1	99	1	0	16.20	0.0417	19.60	0.0912
Highest		1	99	1	0	16.49	0.0446	19.89	0.0975
Lowest	16QAM	1	99	1	0	15.11	0.0324	18.51	0.0710
Middle		1	99	1	0	15.38	0.0345	18.78	0.0755
Highest		1	99	1	0	15.96	0.0394	19.36	0.0863
Lowest	64QAM	1	99	1	0	13.82	0.0241	17.22	0.0527
Middle		1	99	1	0	14.07	0.0255	17.47	0.0558
Highest		1	99	1	0	14.65	0.0292	18.05	0.0638
Lowest	256QAM	1	99	1	0	11.23	0.0133	14.63	0.0290
Middle		1	99	1	0	11.46	0.0140	14.86	0.0306
Highest		1	99	1	0	12.00	0.0158	15.40	0.0347
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 5 + 20 MHz (GT - LC = 3.4 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	0	0	0	0	0.00	0.0010	3.40	0.0022
Middle		0	0	0	0	0.00	0.0010	3.40	0.0022
Highest		0	0	0	0	0.00	0.0010	3.40	0.0022
Lowest	16QAM	1	24	1	0	15.11	0.0324	18.51	0.0710
Middle		1	24	1	0	15.56	0.0360	18.96	0.0787
Highest		1	24	1	0	15.26	0.0336	18.66	0.0735
Lowest	64QAM	1	24	1	0	13.83	0.0242	17.23	0.0528
Middle		1	24	1	0	14.24	0.0265	17.64	0.0581
Highest		1	24	1	0	14.01	0.0252	17.41	0.0551
Lowest	256QAM	25	0	100	0	11.15	0.0130	14.55	0.0285
Middle		25	0	100	0	11.74	0.0149	15.14	0.0327
Highest		25	0	100	0	11.35	0.0136	14.75	0.0299
Limit	EIRP < 0.2W					Result		PASS	



EIRP Power

LTE Band 42 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	18.78	17.94	16.46
Middle CH	-	-	-	-	-	-	18.81	17.85	16.58
Highest CH	-	-	-	-	-	-	18.76	17.87	16.53
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	14.97	-	-
Middle CH	-	-	-	-	-	-	14.99	-	-
Highest CH	-	-	-	-	-	-	14.85	-	-
LTE Band 42 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	18.73	17.86	16.51	18.82	17.94	16.55	18.83	17.94	16.56
Middle CH	18.76	17.94	16.49	18.76	17.85	16.59	18.83	17.95	16.59
Highest CH	18.82	17.89	16.51	18.77	17.87	16.52	18.82	17.91	16.58
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	14.90	-	-	14.97	-	-	14.97	-	-
Middle CH	14.88	-	-	15.00	-	-	15.00	-	-
Highest CH	14.99	-	-	14.93	-	-	14.95	-	-



LTE Band 42 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	20.18	19.34	17.86
Middle CH	-	-	-	-	-	-	20.21	19.25	17.98
Highest CH	-	-	-	-	-	-	20.16	19.27	17.93
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	16.37	-	-
Middle CH	-	-	-	-	-	-	16.39	-	-
Highest CH	-	-	-	-	-	-	16.25	-	-
LTE Band 42 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	20.13	19.26	17.91	20.22	19.34	17.95	20.23	19.34	17.96
Middle CH	20.16	19.34	17.89	20.16	19.25	17.99	20.23	19.35	17.99
Highest CH	20.22	19.29	17.91	20.17	19.27	17.92	20.22	19.31	17.98
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	16.30	-	-	16.37	-	-	16.37	-	-
Middle CH	16.28	-	-	16.40	-	-	16.40	-	-
Highest CH	16.39	-	-	16.33	-	-	16.35	-	-
Antenna Gain	1.4 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	19.30	18.21	16.92
Middle CH							19.42	18.27	16.92
Highest CH	-	-	-	-	-	-	19.49	18.46	17.17
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH							14.86		
Middle CH	-	-	-	-	-	-	14.90	-	-
Highest CH							14.83		
LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	19.37	18.30	16.94	19.24	18.28	16.93	19.38	18.30	16.98
Middle CH	19.37	18.34	16.93	19.24	18.25	17.01	19.38	18.30	16.96
Highest CH	19.41	18.48	17.12	19.46	18.46	17.19	19.50	18.49	17.20
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	14.82			14.91			14.91		
Middle CH	14.91	-	-	14.91	-	-	14.86	-	-
Highest CH	14.82	-	-	14.86	-	-	14.87	-	-



LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	22.70	21.61	20.32
Middle CH	-	-	-	-	-	-	22.82	21.67	20.32
Highest CH	-	-	-	-	-	-	22.89	21.86	20.57
BW	1.4MHz			3MHz			5MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	-	-	-	-	-	-	18.26	-	-
Middle CH	-	-	-	-	-	-	18.30	-	-
Highest CH	-	-	-	-	-	-	18.23	-	-
LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	22.77	21.70	20.34	22.64	21.68	20.33	22.78	21.70	20.38
Middle CH	22.77	21.74	20.33	22.64	21.65	20.41	22.78	21.70	20.36
Highest CH	22.81	21.88	20.52	22.86	21.86	20.59	22.90	21.89	20.60
BW	10MHz			15MHz			20MHz		
Mod.	256QAM			256QAM			256QAM		
Lowest CH	18.22	-	-	18.31	-	-	18.31	-	-
Middle CH	18.31	-	-	18.31	-	-	18.26	-	-
Highest CH	18.22	-	-	18.26	-	-	18.27	-	-
Antenna Gain	3.4 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



LTE Band 48C / Conducted Power (dBm/10MHz)												
BW	20 + 20 MHz				20 + 15 MHz				15 + 20 MHz			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	15.63	14.76	13.6	10.8	15.83	15.02	13.64	11.11	15.82	15.04	13.72	11.06
Middle CH	15.88	15.09	13.86	10.75	16.02	15.26	13.88	11.35	16.12	15.38	13.98	11.27
Highest CH	16.54	15.62	14.28	11.1	16.42	15.73	14.36	11.74	16.4	15.69	14.28	11.74
LTE Band 48C / Conducted Power (dBm/10MHz)												
BW	20 + 10 MHz				10 + 20 MHz				20 + 5 MHz			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	16	15.13	13.88	11.28	15.87	14.94	13.72	11.21	15.98	15.11	13.82	11.23
Middle CH	16.22	15.33	14.08	11.5	16.05	15.24	13.93	11.43	16.20	15.38	14.07	11.46
Highest CH	16.5	15.91	14.65	12.01	15.47	14.78	13.25	11.92	16.49	15.96	14.65	12.00
LTE Band 48C / Conducted Power (dBm/10MHz)												
BW	5 + 20 MHz											
Mod.	QPSK	16QAM	64QAM	256QAM								
Lowest CH	16	15.11	13.83	11.15								
Middle CH	16.34	15.56	14.24	11.74								
Highest CH	16.15	15.26	14.01	11.35								

LTE Band 48C / EIRP Power (dBm/10MHz)												
BW	20 + 20 MHz				20 + 15 MHz				15 + 20 MHz			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	19.03	18.16	17	14.2	19.23	18.42	17.04	14.51	19.22	18.44	17.12	14.46
Middle CH	19.28	18.49	17.26	14.15	19.42	18.66	17.28	14.75	19.52	18.78	17.38	14.67
Highest CH	19.94	19.02	17.68	14.5	19.82	19.13	17.76	15.14	19.8	19.09	17.68	15.14
LTE Band 48C / EIRP Power (dBm/10MHz)												
BW	20 + 10 MHz				10 + 20 MHz				20 + 5 MHz			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	19.4	18.53	17.28	14.68	19.27	18.34	17.12	14.61	19.38	18.51	17.22	14.63
Middle CH	19.62	18.73	17.48	14.9	19.45	18.64	17.33	14.83	19.6	18.78	17.47	14.86
Highest CH	19.9	19.31	18.05	15.41	18.87	18.18	16.65	15.32	19.89	19.36	18.05	15.4
LTE Band 48C / EIRP Power (dBm/10MHz)												
BW	5 + 20 MHz				-							
Mod.	QPSK	16QAM	64QAM	256QAM								
Lowest CH	19.4	18.51	17.23	14.55								
Middle CH	19.74	18.96	17.64	15.14								
Highest CH	19.55	18.66	17.41	14.75								
Antenna Gain	3.4 dBi											
Limit	23dBm / 10MHz											
Result	Pass											

**Radiated Spurious Emission****LTE Band 48**

LTE Band 48 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	7360	-45.84	-40	-5.84	-48.18	-55.25	1.91	11.32	H
	11045	-50.30	-40	-10.30	-52.78	-58.62	2.63	10.95	H
	14724	-55.20	-40	-15.20	-64.04	-64.00	2.91	11.72	H
	18410	-54.32	-40	-14.32	-72.64	-70.37	1.87	17.92	H
	22084	-54.72	-40	-14.72	-62.23	-71.00	2.25	18.53	H
	25770	-51.01	-40	-11.01	-77.01	-68.03	2.03	19.05	H
									H
	7360	-47.44	-40	-7.44	-49.59	-56.85	1.91	11.32	V
	11045	-48.69	-40	-8.69	-51	-57.01	2.63	10.95	V
	14724	-55.42	-40	-15.42	-62.59	-64.22	2.91	11.72	V
	18410	-55.44	-40	-15.44	-72.88	-71.49	1.87	17.92	V
	22084	-50.42	-40	-10.42	-72.58	-67.21	2.08	18.87	V
	25770	-50.60	-40	-10.60	-77.78	-67.62	2.03	19.05	V
									V

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

**LTE CA Band 48C**

LTE Band 48C / 20MHz + 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	7140	-50.92	-40	-10.92	-53.05	-60.80	1.80	11.68	H
	10710	-48.59	-40	-8.59	-50.88	-56.99	2.50	10.90	H
	14279	-54.71	-40	-14.71	-61.82	-63.38	2.86	11.53	H
	21418	-46.49	-40	-6.49	-68.04	-63.24	1.95	18.70	H
	24981	-53.03	-40	-13.03	-77.69	-69.22	2.08	18.27	H
	28556	-53.39	-40	-13.39	-78.87	-70.61	2.31	19.53	H
									H
	7140	-51.02	-40	-11.02	-52.8	-60.90	1.80	11.68	V
	10710	-49.76	-40	-9.76	-51.81	-58.16	2.50	10.90	V
	14279	-52.54	-40	-12.54	-59.22	-61.21	2.86	11.53	V
	21418	-51.61	-40	-11.61	-73.1	-68.36	1.95	18.70	V
	24981	-52.60	-40	-12.60	-78.41	-68.79	2.08	18.27	V
	28556	-51.49	-40	-11.49	-78.84	-68.71	2.31	19.53	V
									V
Middle	7250	-52.57	-40	-12.57	-54.93	-62.22	1.86	11.50	H
	10890	-53.16	-40	-13.16	-55.5	-61.47	2.59	10.90	H
	14498	-56.39	-40	-16.39	-63.69	-64.54	2.85	11.00	H
	18122	-51.61	-40	-11.61	-69.75	-67.81	1.77	17.98	H
	21751	-44.30	-40	-4.30	-65.87	-61.09	2.01	18.80	H
	25370	-52.36	-40	-12.36	-77.61	-69.03	2.15	18.82	H
									H
	7250	-51.75	-40	-11.75	-53.86	-61.40	1.86	11.50	V
	10890	-53.26	-40	-13.26	-55.4	-61.57	2.59	10.90	V
	14498	-58.49	-40	-18.49	-64.89	-66.64	2.85	11.00	V
	18122	-48.43	-40	-8.43	-65.65	-64.63	1.77	17.98	V
	21751	-50.61	-40	-10.61	-72.17	-67.40	2.01	18.80	V
	25370	-51.86	-40	-11.86	-78.4	-68.53	2.15	18.82	V
									V



LTE Band 48C / 20MHz + 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	7360	-43.45	-40	-3.45	-45.79	-52.86	1.91	11.32	H
	11040	-53.95	-40	-13.95	-56.41	-62.26	2.63	10.95	H
	14718	-54.08	-40	-14.08	-62.87	-62.87	2.91	11.70	H
	18399	-48.45	-40	-8.45	-66.76	-64.50	1.87	17.92	H
	22073	-59.01	-40	-19.01	-61.52	-75.80	2.08	18.87	H
	25747	-51.87	-40	-11.87	-77.82	-68.88	2.04	19.05	H
									H
	7360	-43.05	-40	-3.05	-45.2	-52.46	1.91	11.32	V
	11040	-52.13	-40	-12.13	-54.42	-60.44	2.63	10.95	V
	14718	-50.83	-40	-10.83	-57.98	-59.62	2.91	11.70	V
	18399	-54.20	-40	-14.20	-71.63	-70.25	1.87	17.92	V
	22073	-57.43	-40	-17.43	-64.1	-74.22	2.08	18.87	V
	25747	-51.44	-40	-11.44	-78.59	-68.45	2.04	19.05	V
									V

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