

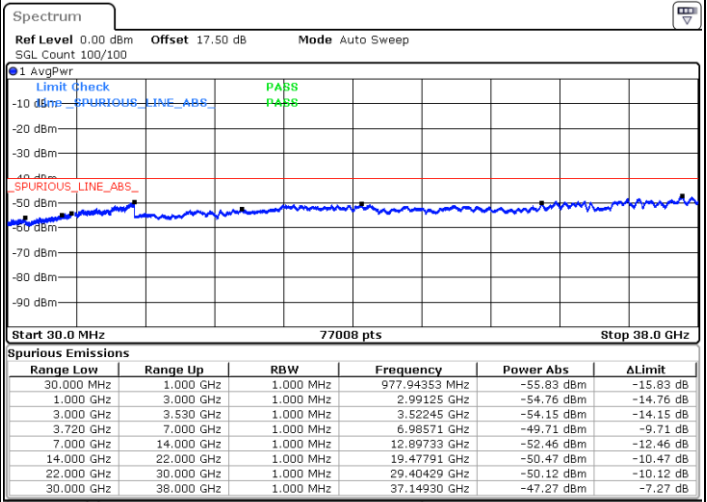
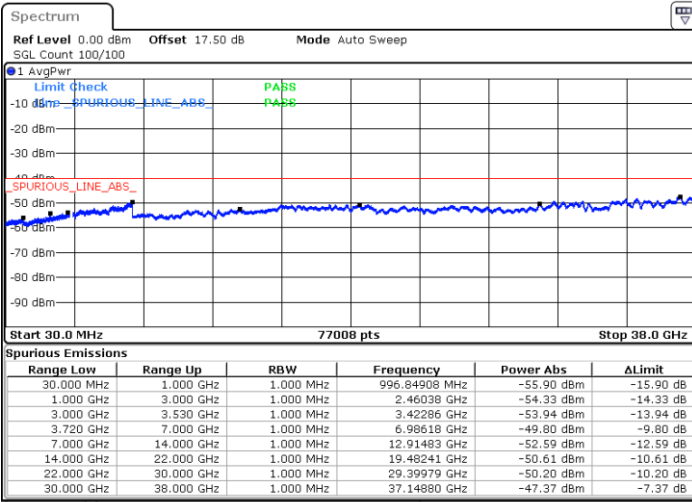


LTE Band 48C / 20MHz+15MHz

16QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0

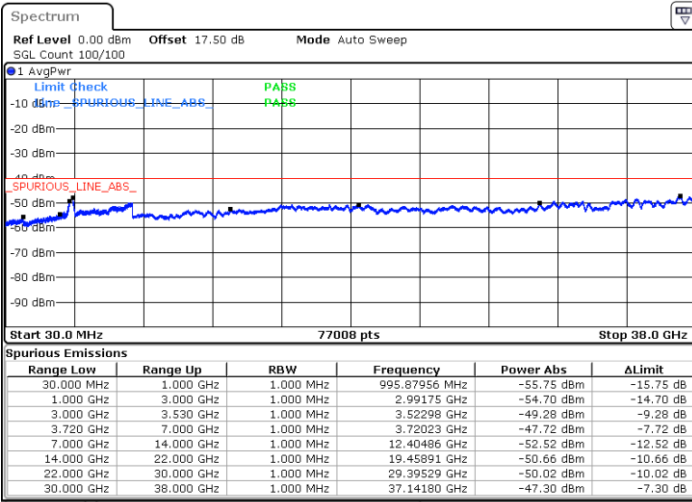


Date: 27. JAN 2020 23:24:26

Date: 27. JAN 2020 23:28:04

Middle Channel / FullIRB

N/A



Date: 27. JAN 2020 23:20:48

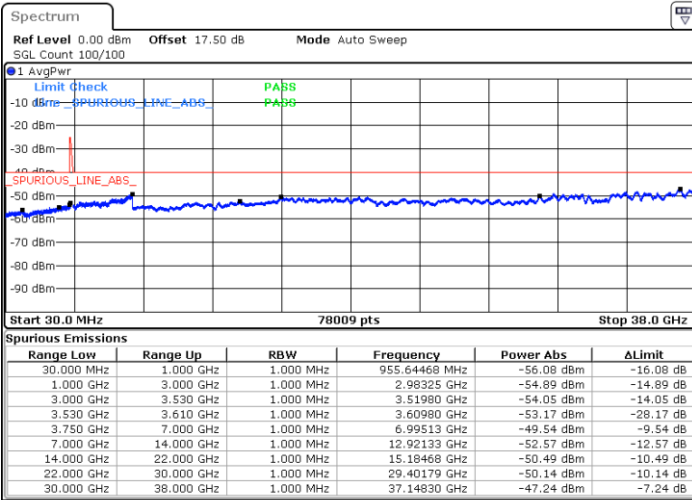


LTE Band 48C / 20MHz+15MHz

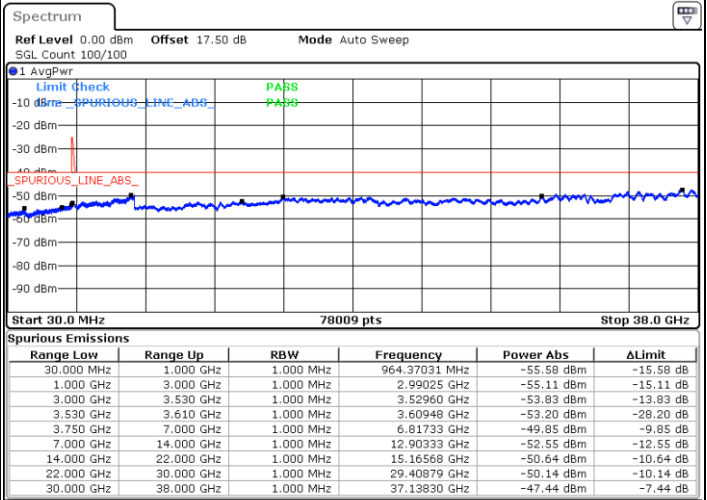
16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



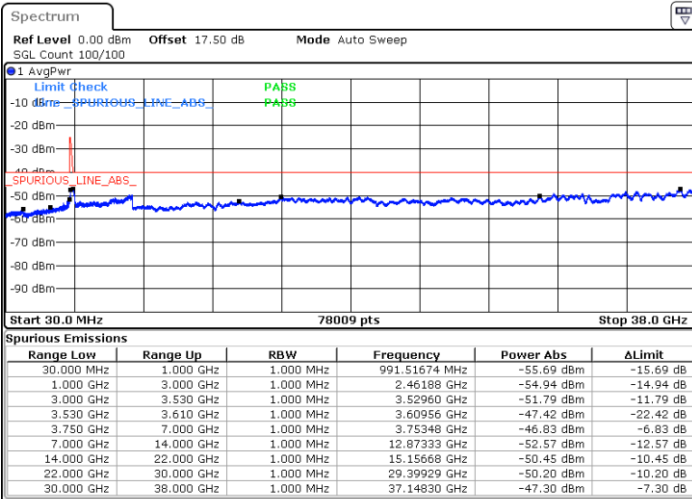
Date: 28 JAN 2020 00:09:14



Date: 28 JAN 2020 00:05:36

Highest Channel / FullIRB

N/A



Date: 28 JAN 2020 00:12:52

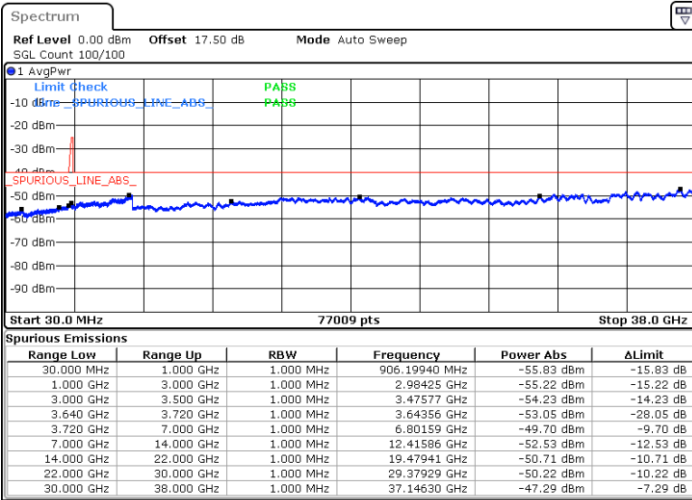


LTE Band 48C / 20MHz+20MHz

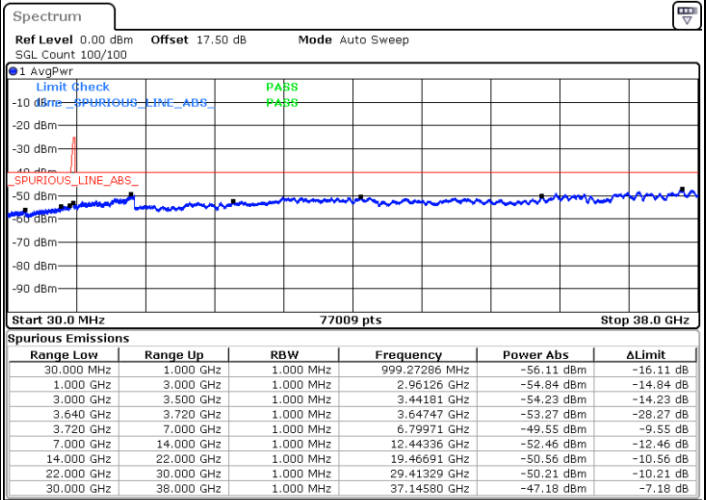
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



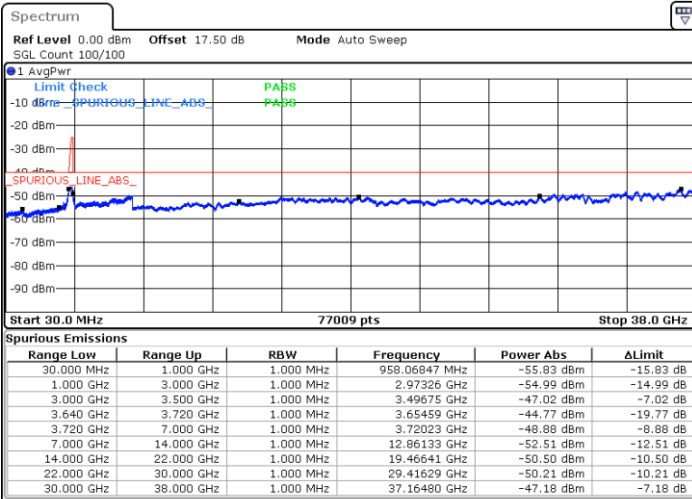
Date: 27. JAN 2020 21:36:44



Date: 27. JAN 2020 21:33:07

Lowest Channel / FullIRB

N/A



Date: 27. JAN 2020 21:40:23

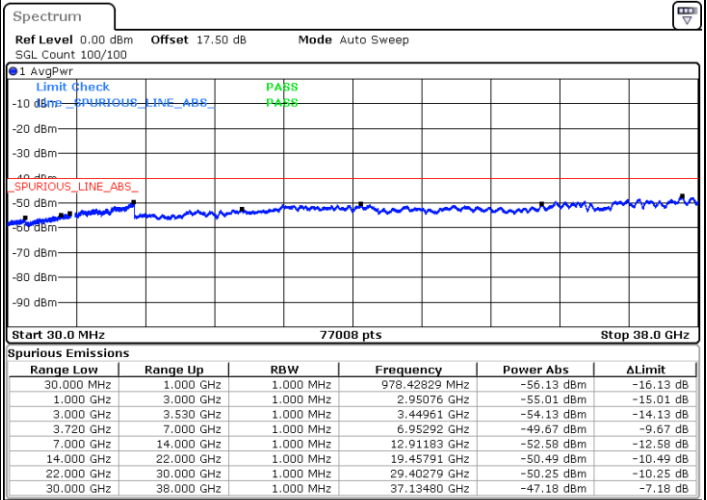
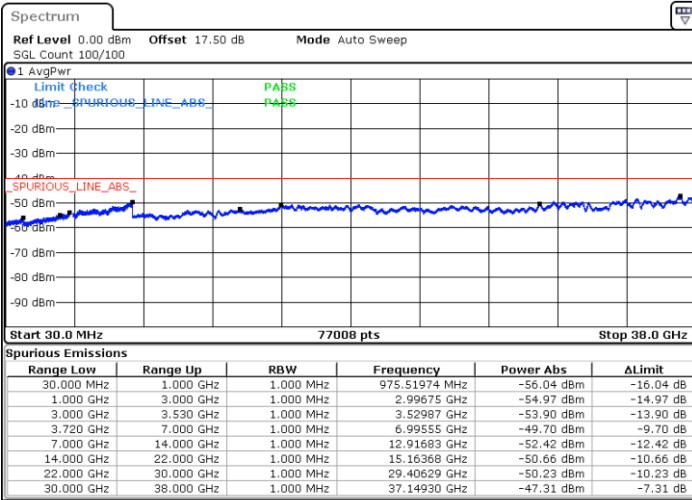


LTE Band 48C / 20MHz+20MHz

16QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

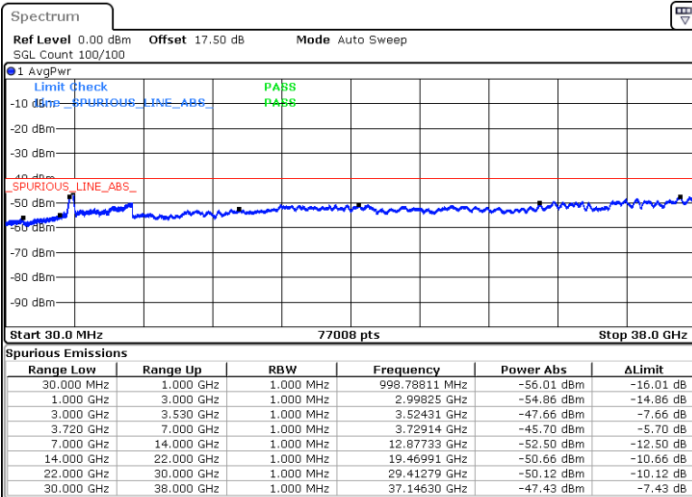


Date: 27. JAN 2020 20:43:54

Date: 27. JAN 2020 20:47:32

Middle Channel / FullIRB

N/A



Date: 27. JAN 2020 20:40:15

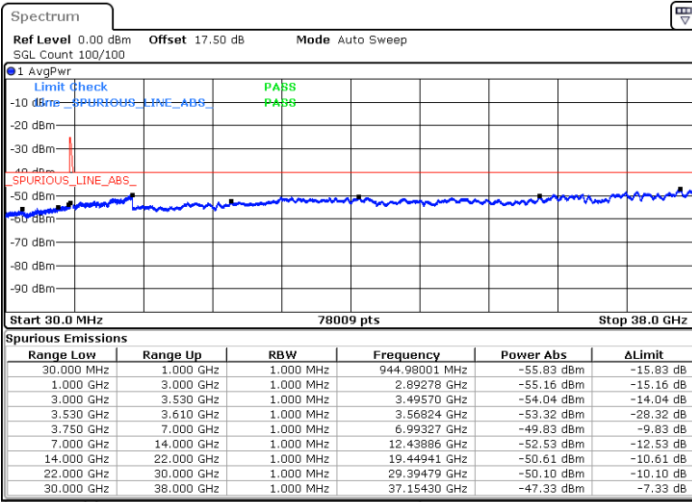


LTE Band 48C / 20MHz+20MHz

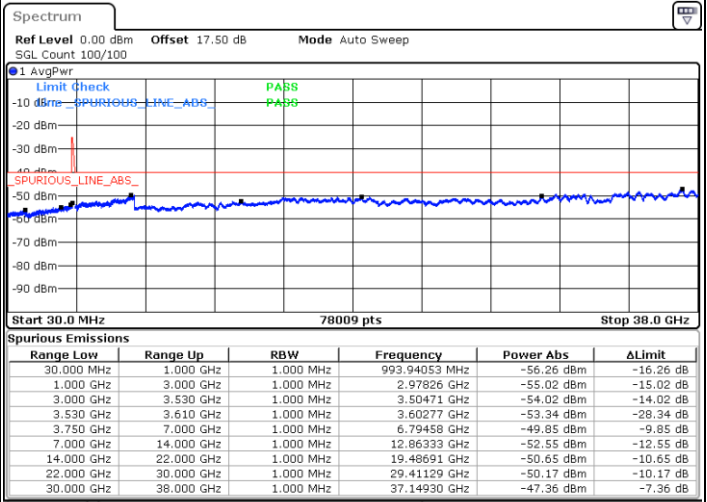
16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



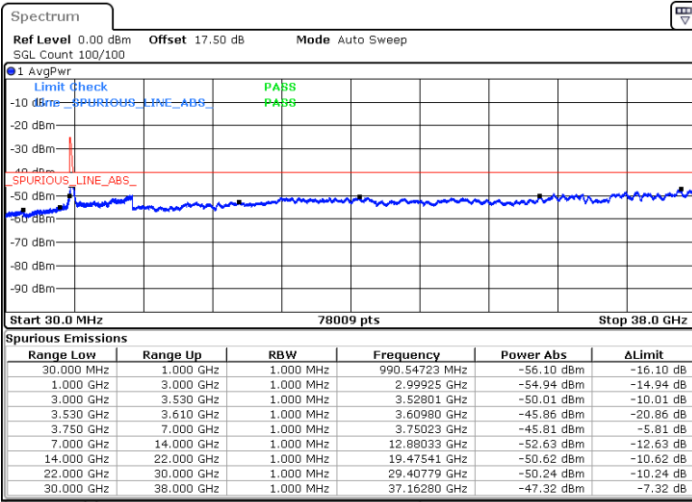
Date: 27. JAN 2020 19:34:52



Date: 27. JAN 2020 19:31:14

Highest Channel / FullIRB

N/A



Date: 27. JAN 2020 19:38:31

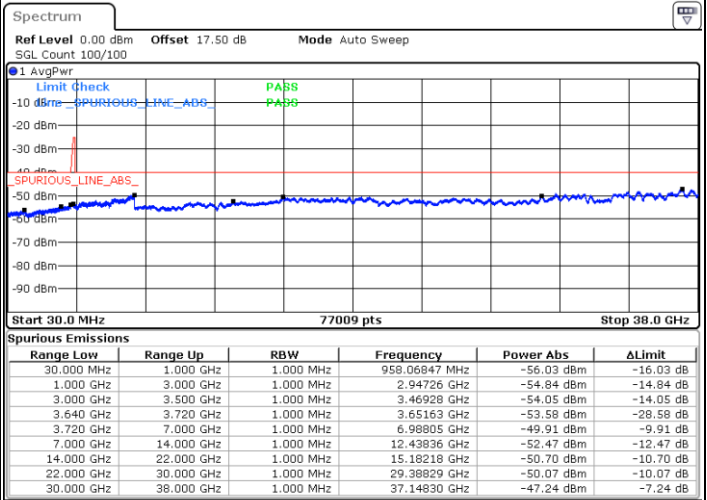
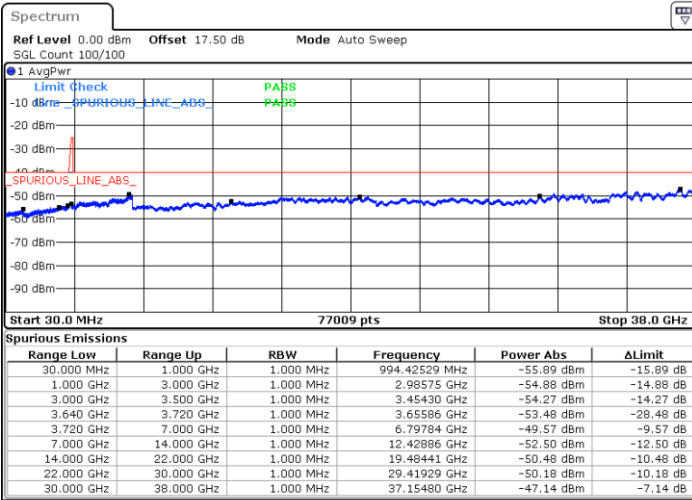


LTE Band 48C / 5MHz+20MHz

64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0

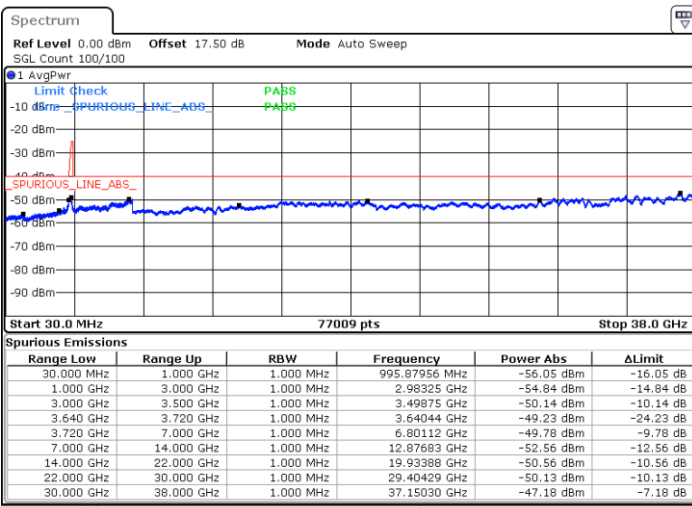


Date: 29 JAN 2020 03:02:15

Date: 29 JAN 2020 02:56:11

Lowest Channel / FullIRB

N/A



Date: 29 JAN 2020 03:03:28

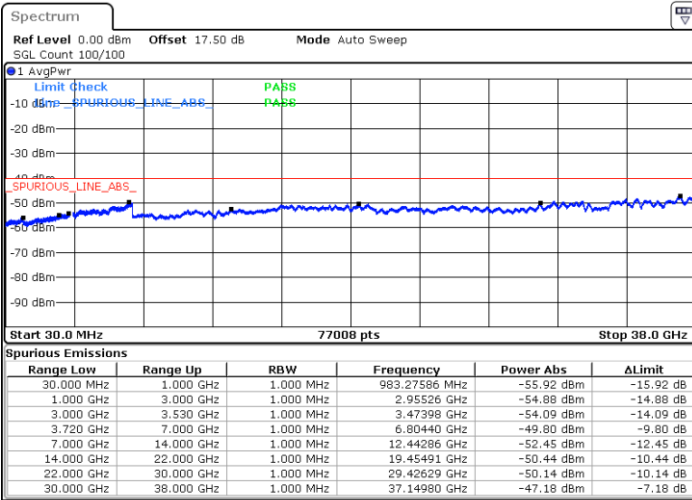


LTE Band 48C / 5MHz+20MHz

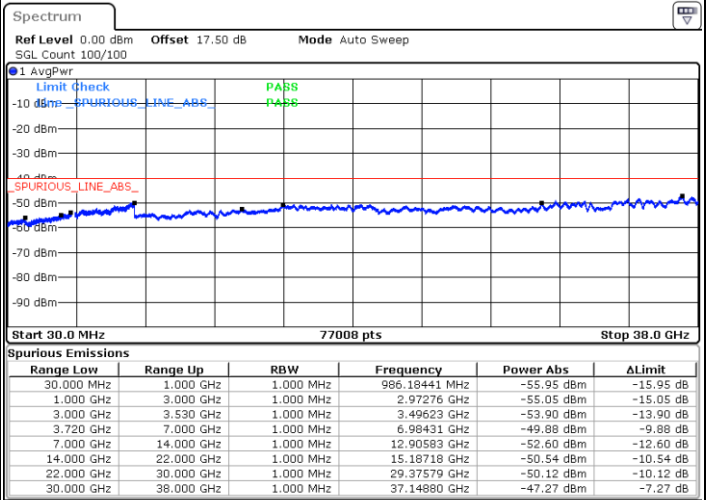
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



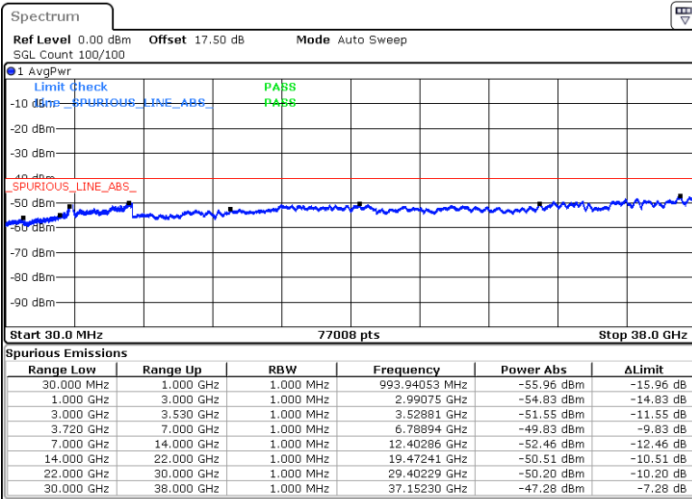
Date: 29 JAN 2020 03:41:18



Date: 29 JAN 2020 03:47:23

Middle Channel / FullIRB

N/A



Date: 29 JAN 2020 03:40:05

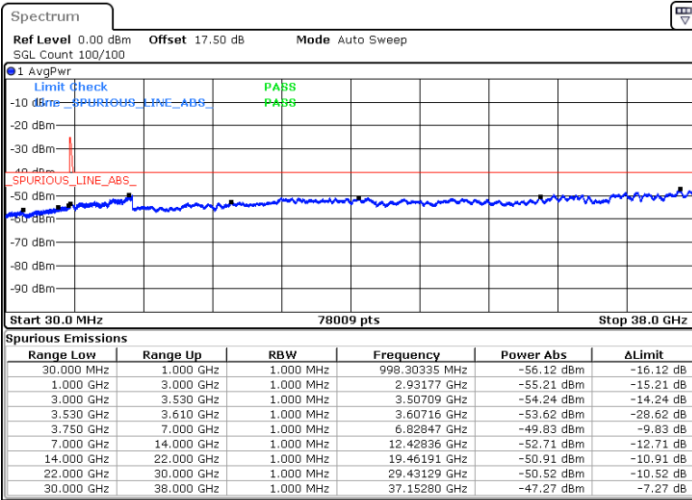


LTE Band 48C / 5MHz+20MHz

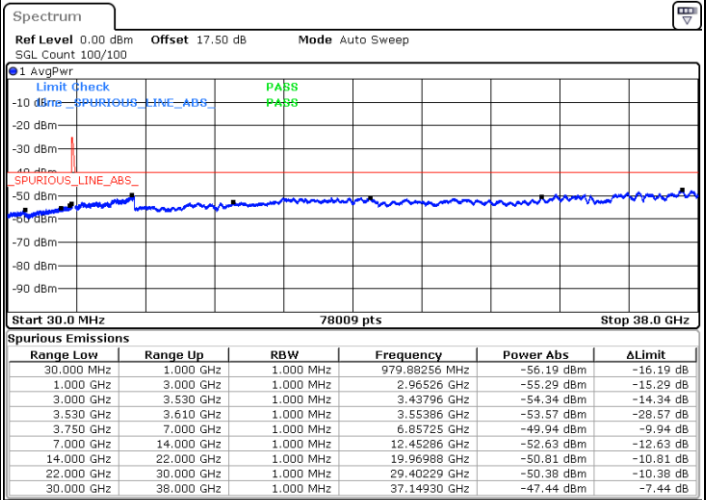
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



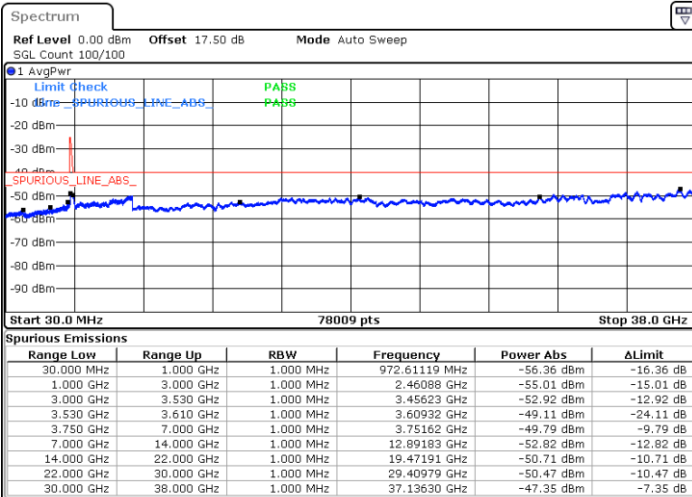
Date: 29 JAN 2020 15:03:30



Date: 29 JAN 2020 15:02:19

Highest Channel / FullIRB

N/A



Date: 29 JAN 2020 15:09:35



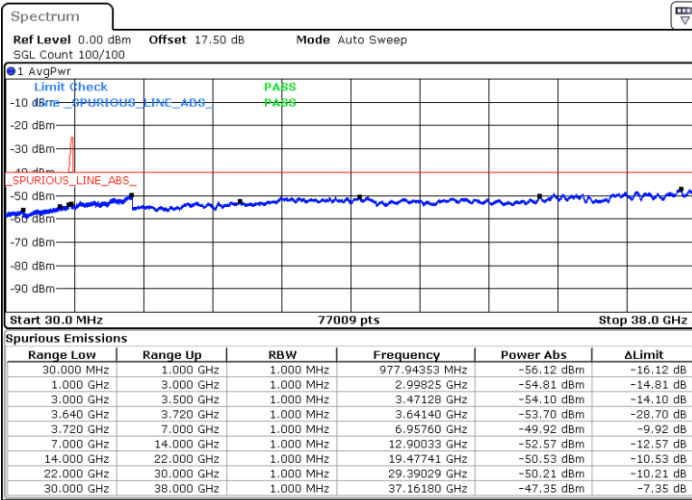


LTE Band 48C / 10MHz+20MHz

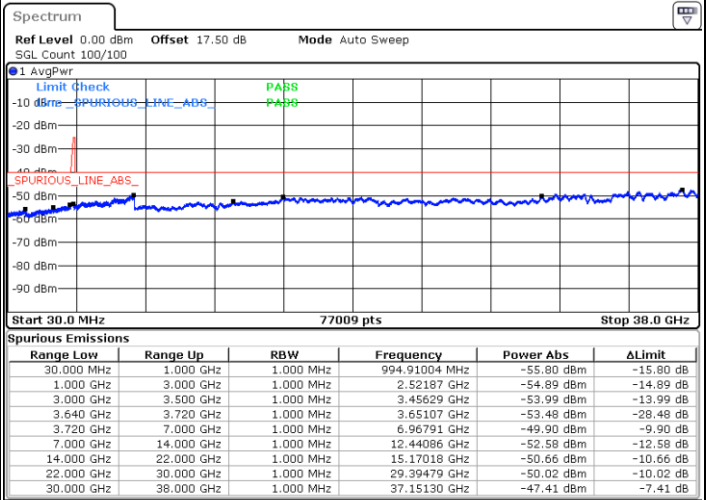
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



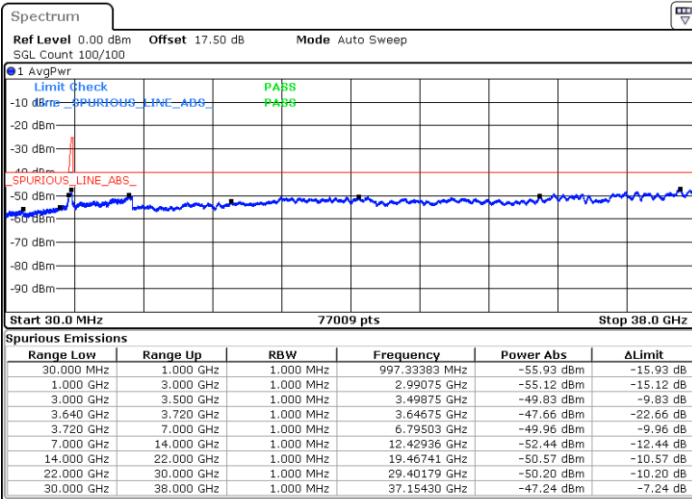
Date: 28 JAN 2020 21:08:27



Date: 28 JAN 2020 21:02:26

Lowest Channel / FullIRB

N/A



Date: 28 JAN 2020 21:09:39

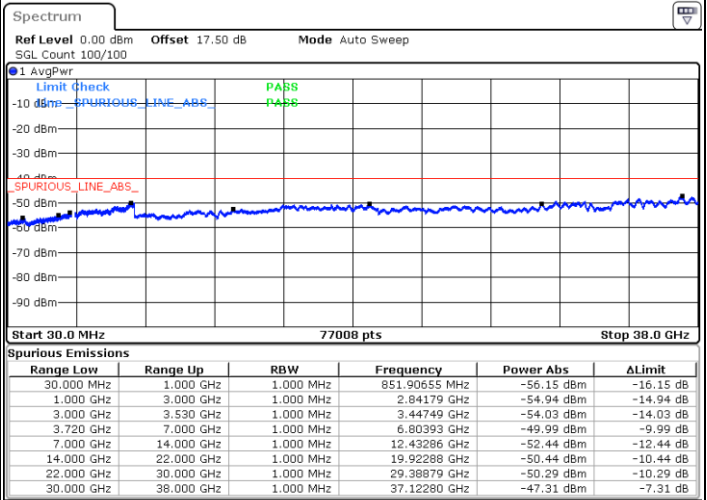
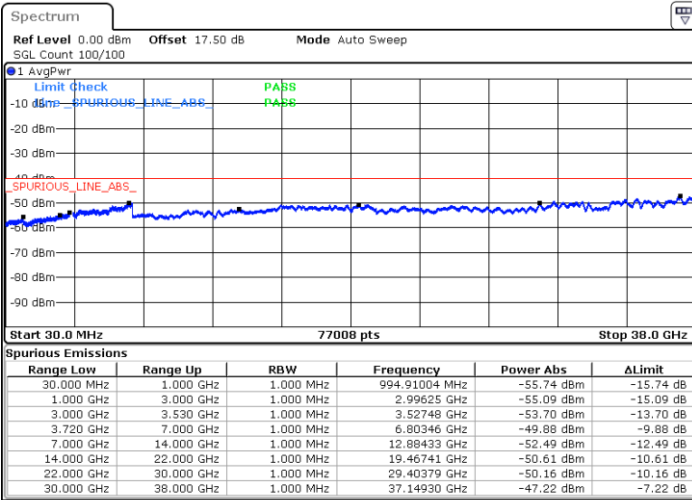


LTE Band 48C / 10MHz+20MHz

64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0

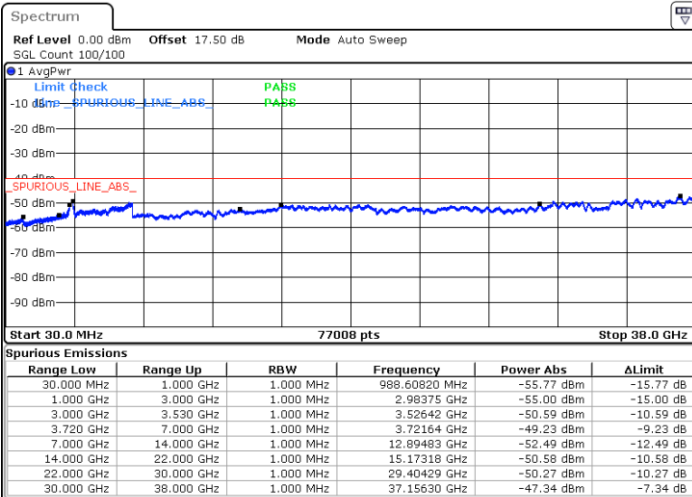


Date: 28 JAN 2020 21:46:35

Date: 28 JAN 2020 21:52:35

Middle Channel / FullIRB

N/A



Date: 28 JAN 2020 21:45:23

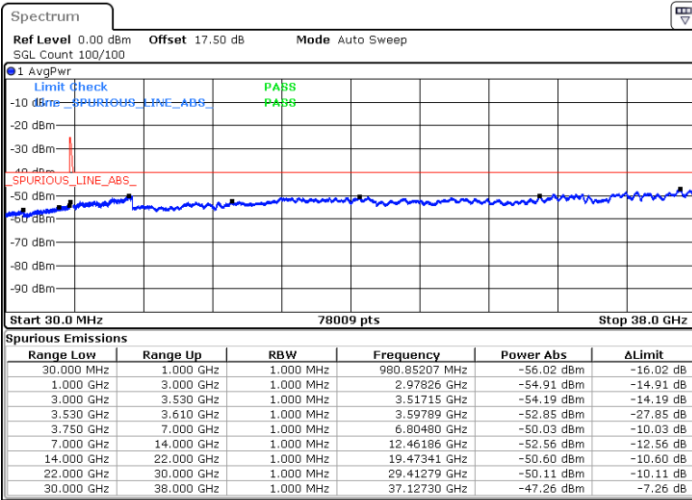


LTE Band 48C / 10MHz+20MHz

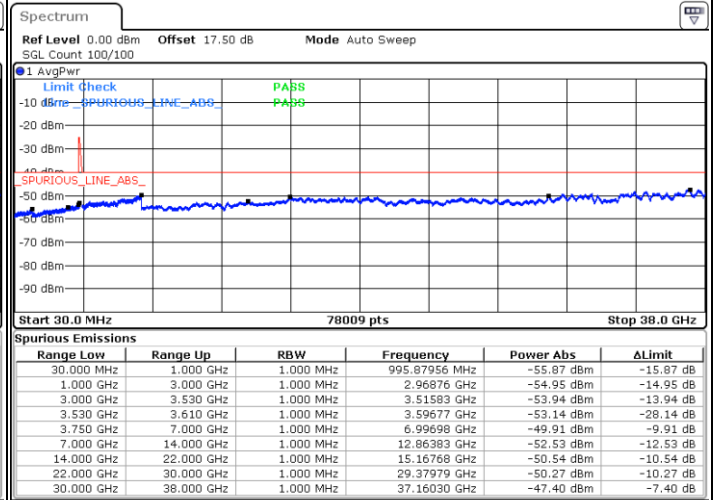
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



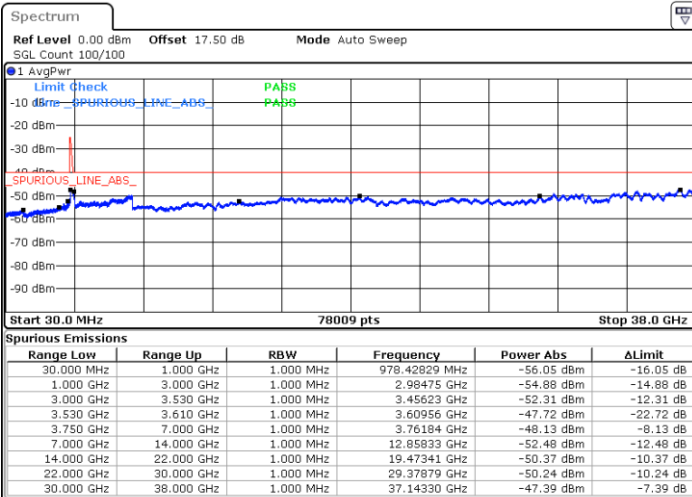
Date: 28 JAN 2020 22:43:16



Date: 28 JAN 2020 22:42:04

Highest Channel / FullIRB

N/A



Date: 28 JAN 2020 22:49:17

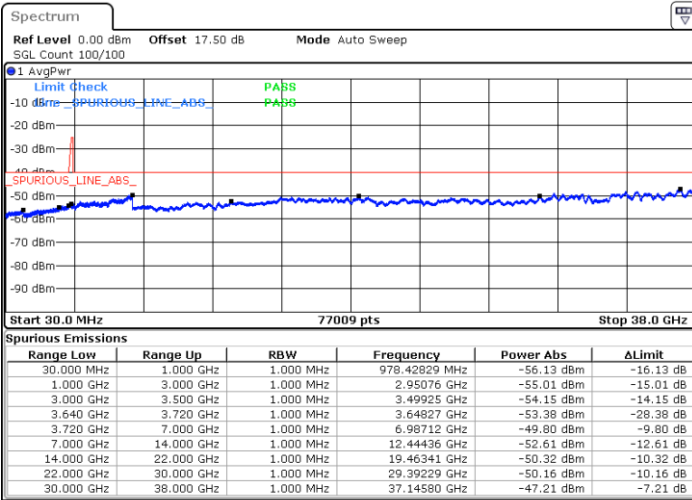


LTE Band 48C / 15MHz+20MHz

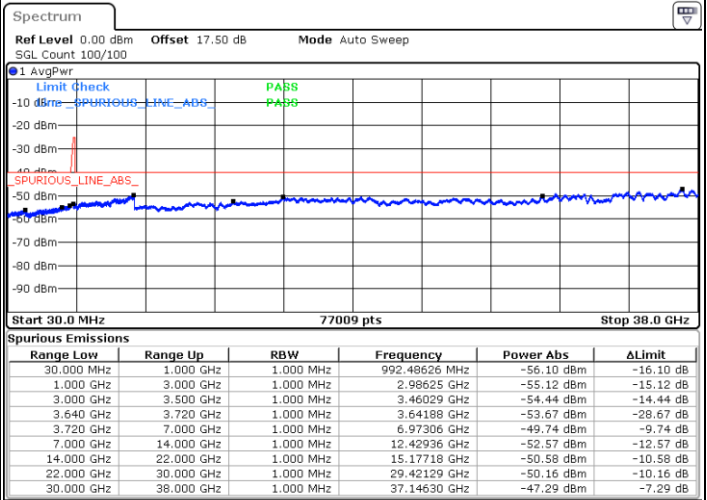
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



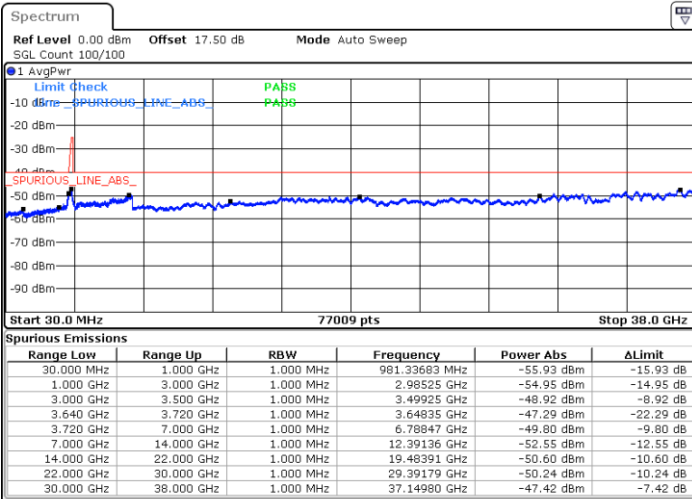
Date: 28 JAN 2020 01:09:20



Date: 28 JAN 2020 01:03:16

Lowest Channel / FullIRB

N/A



Date: 28 JAN 2020 01:10:33

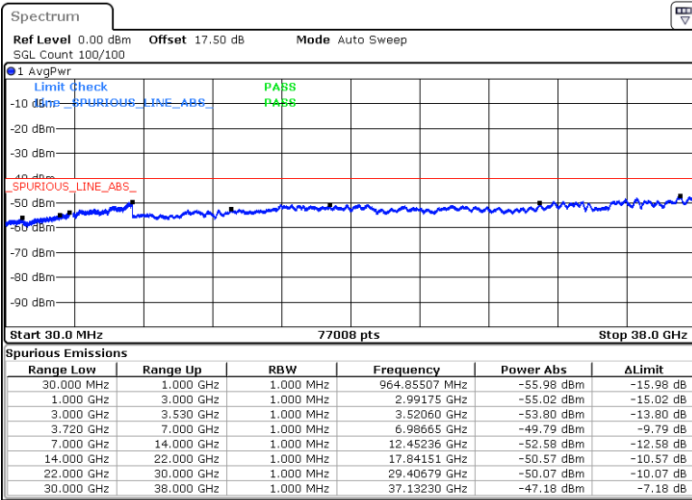


LTE Band 48C / 15MHz+20MHz

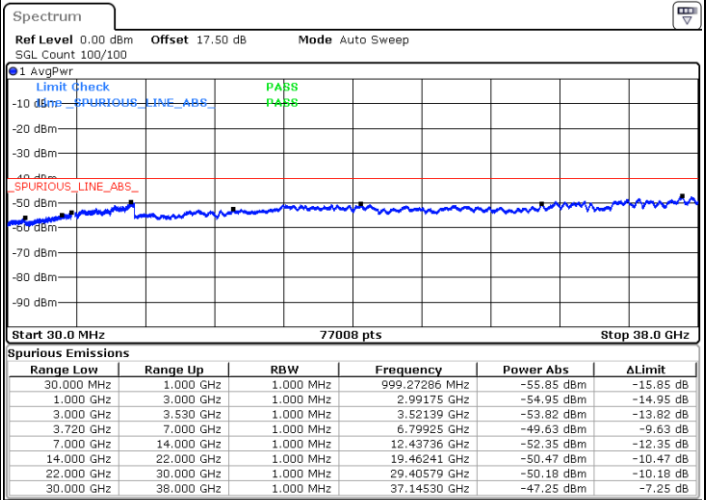
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



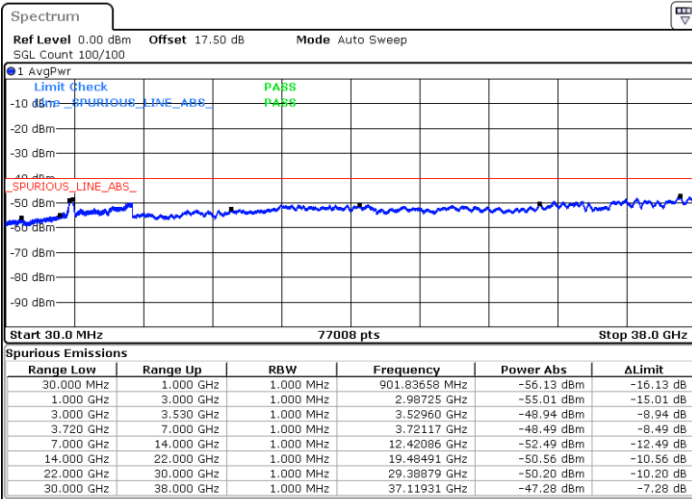
Date: 28 JAN 2020 01:55:19



Date: 28 JAN 2020 02:01:23

Middle Channel / FullIRB

N/A



Date: 28 JAN 2020 01:54:06

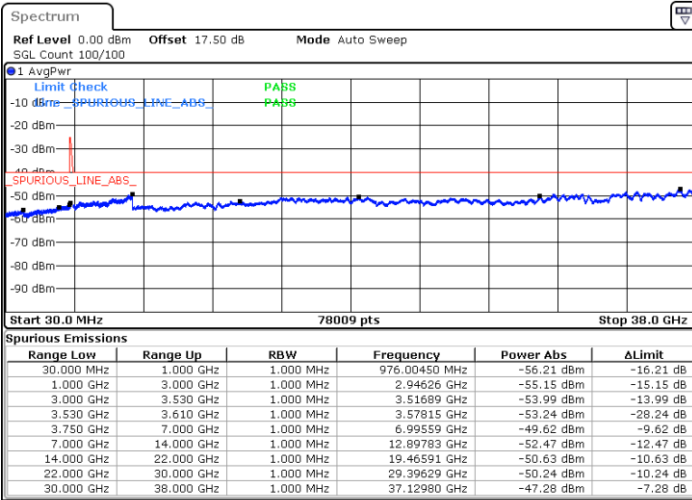


LTE Band 48C / 15MHz+20MHz

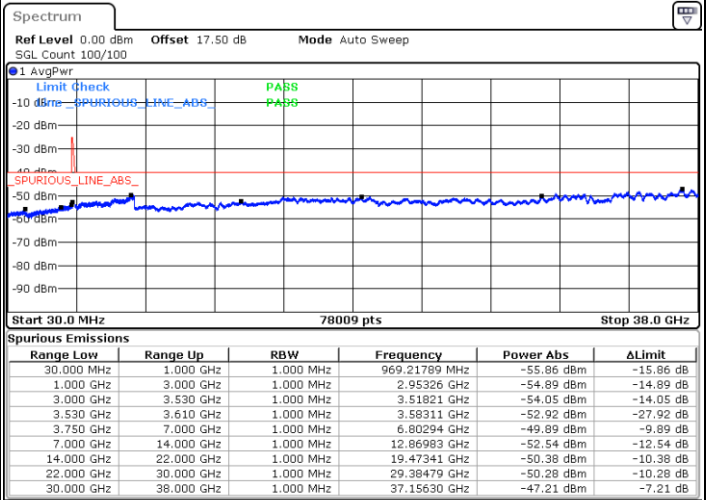
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



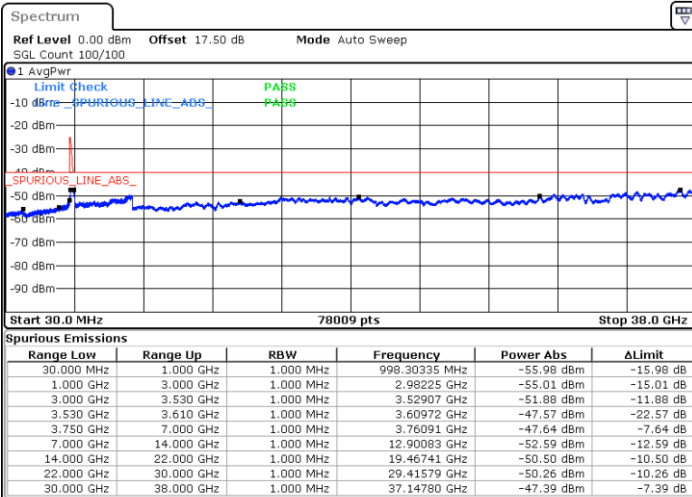
Date: 28 JAN 2020 17:37:55



Date: 28 JAN 2020 17:36:43

Highest Channel / FullIRB

N/A



Date: 28 JAN 2020 17:43:56

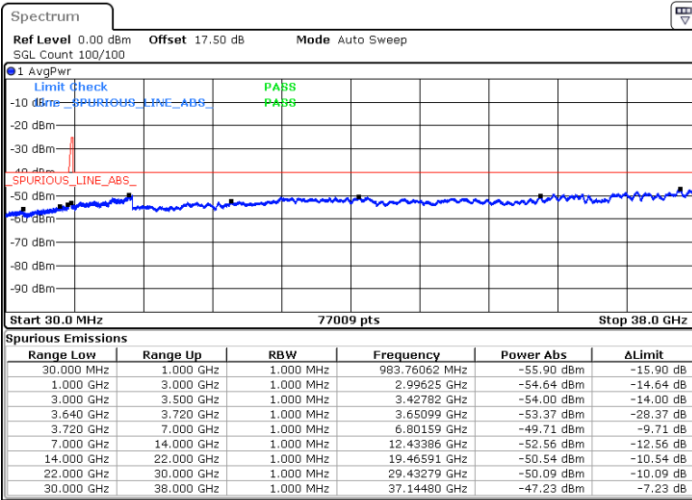


LTE Band 48C / 20MHz+5MHz

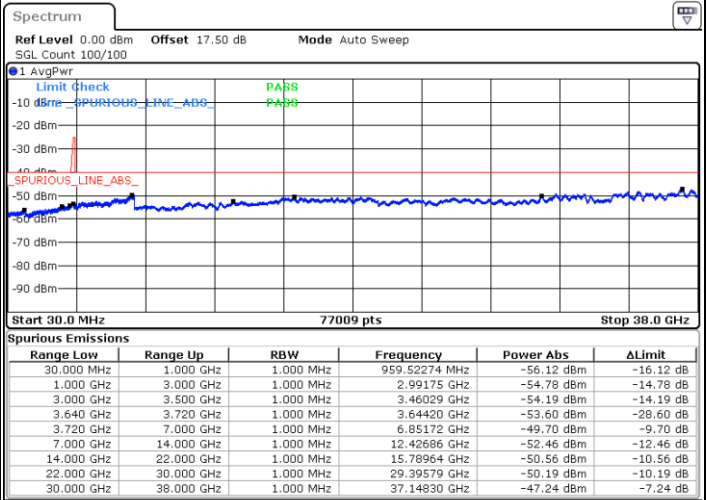
64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0



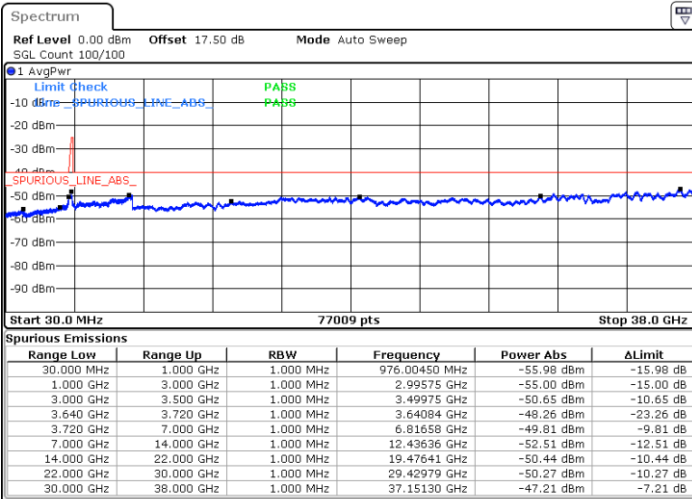
Date: 28 JAN 2020 23:56:55



Date: 28 JAN 2020 23:15:25

Lowest Channel / FullIRB

N/A



Date: 28 JAN 2020 23:58:08

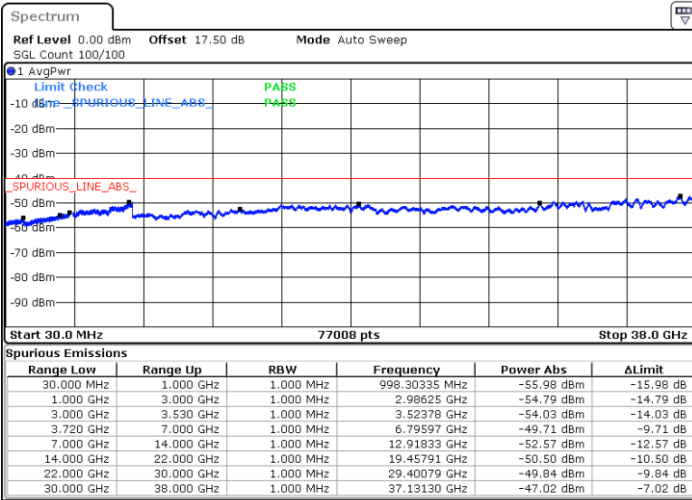


LTE Band 48C / 20MHz+5MHz

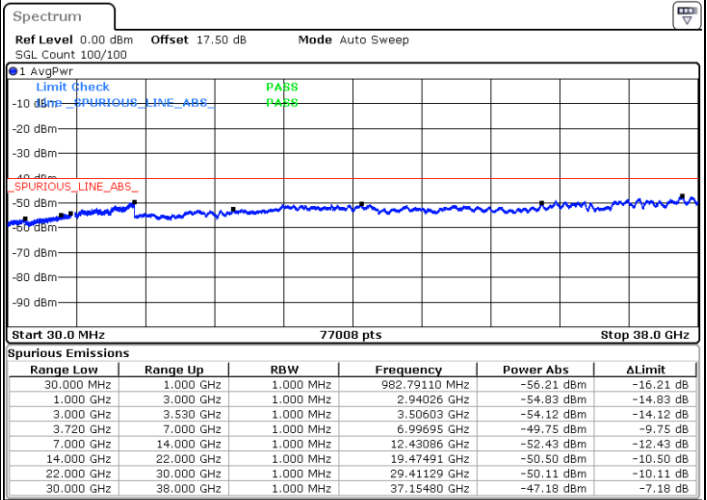
64QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB99 and 1RB0



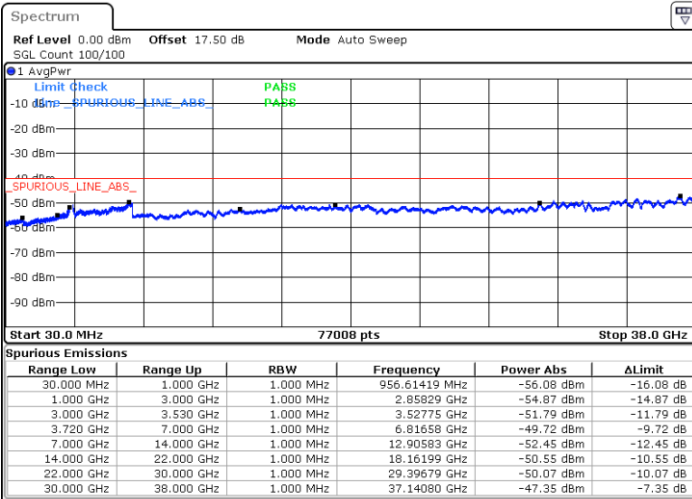
Date: 29 JAN 2020 00:39:29



Date: 29 JAN 2020 00:45:30

Middle Channel / FullIRB

N/A



Date: 29 JAN 2020 00:38:17



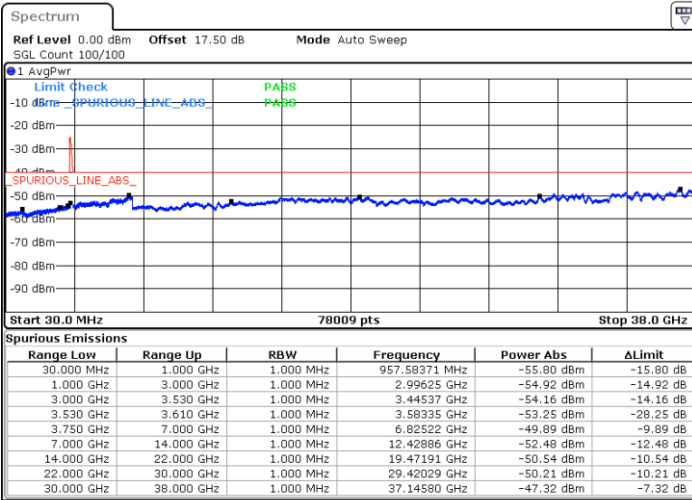


LTE Band 48C / 20MHz+5MHz

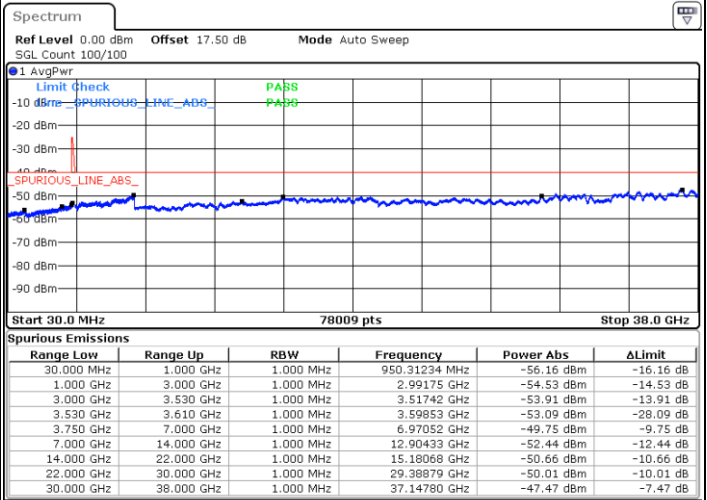
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0



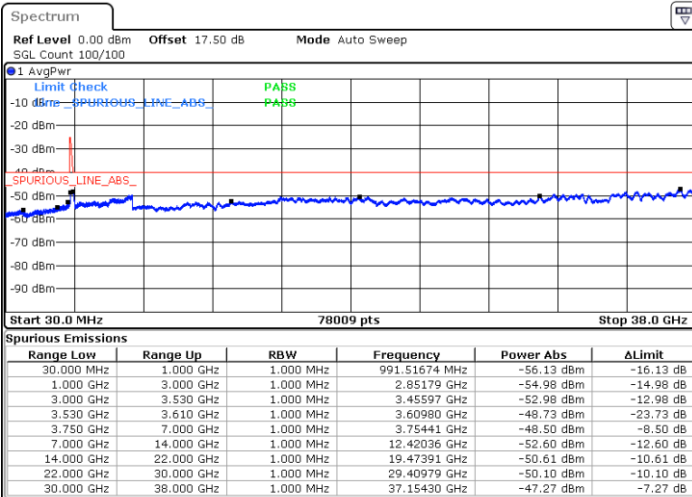
Date: 29 JAN 2020 01:28:37



Date: 29 JAN 2020 01:27:25

Highest Channel / FullIRB

N/A



Date: 29 JAN 2020 01:34:38

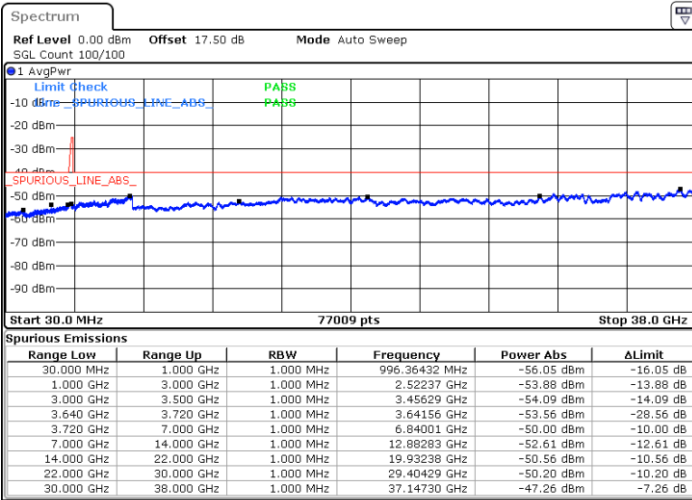


LTE Band 48C / 20MHz+10MHz

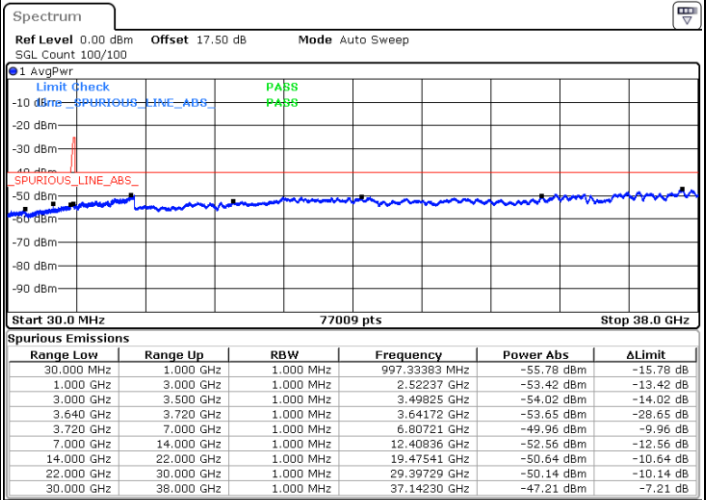
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



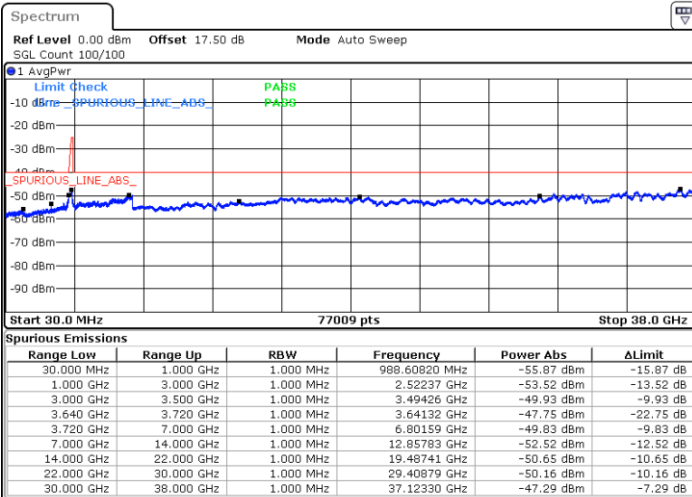
Date: 28 JAN 2020 18:31:09



Date: 28 JAN 2020 18:25:10

Lowest Channel / FullIRB

N/A



Date: 28 JAN 2020 18:32:22

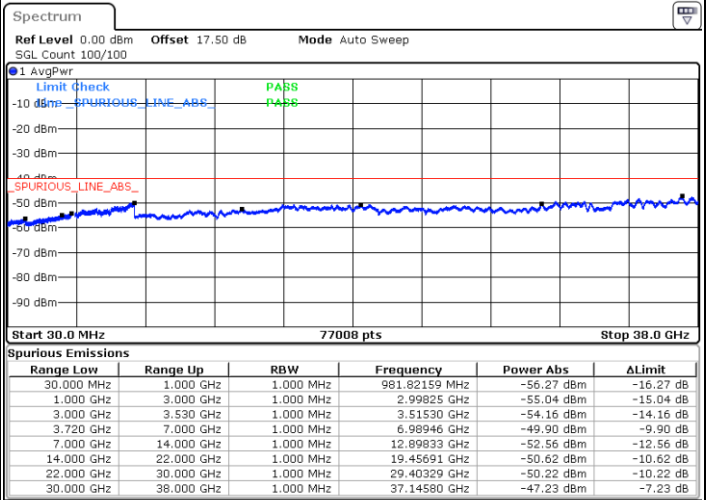
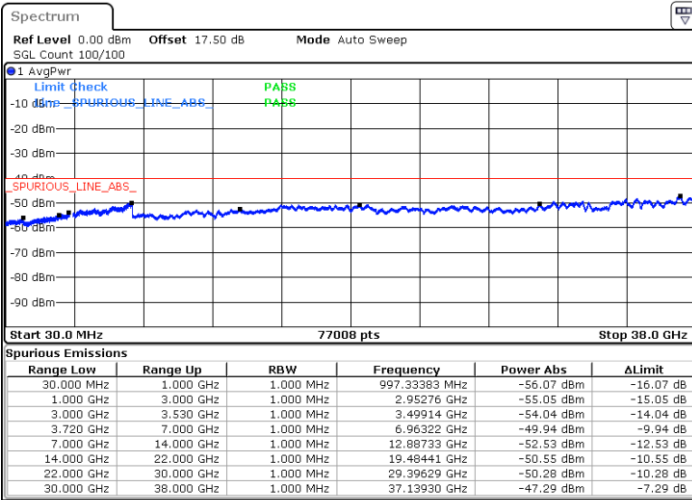


LTE Band 48C / 20MHz+10MHz

64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0

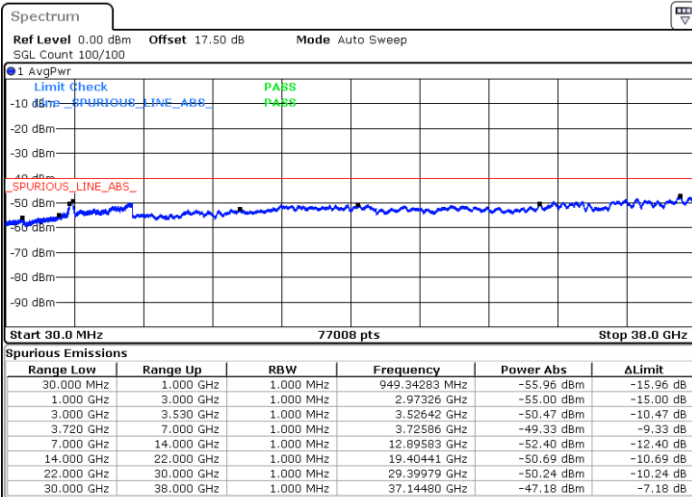


Date: 28 JAN 2020 19:17:49

Date: 28 JAN 2020 19:23:49

Middle Channel / FullIRB

N/A



Date: 28 JAN 2020 19:16:37

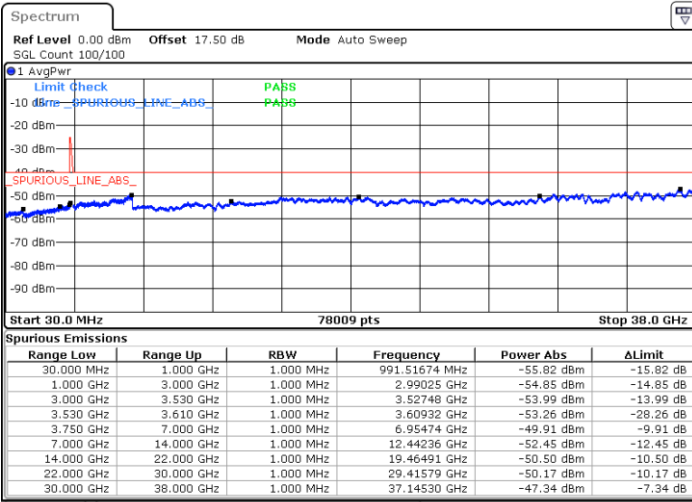


LTE Band 48C / 20MHz+10MHz

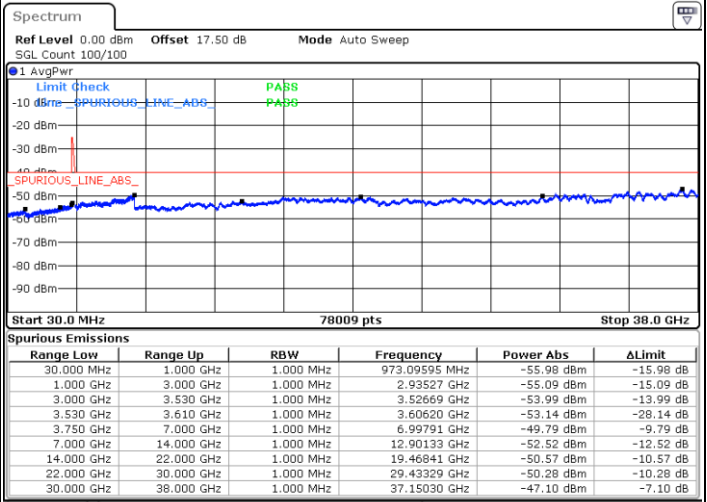
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



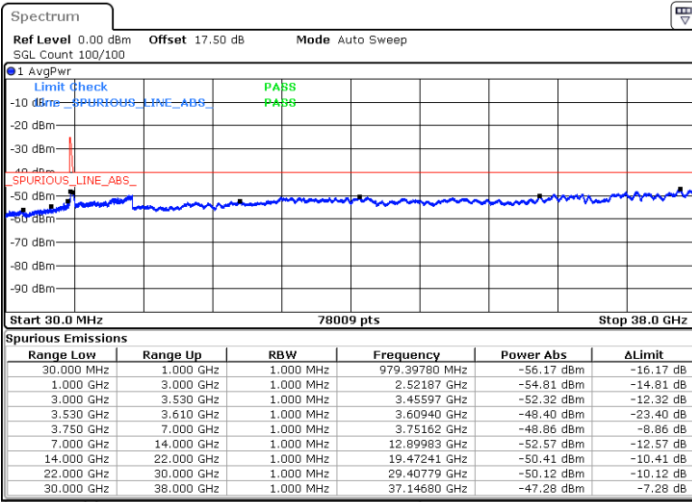
Date: 28 JAN 2020 20:15:37



Date: 28 JAN 2020 20:14:25

Highest Channel / FullIRB

N/A



Date: 28 JAN 2020 20:21:37

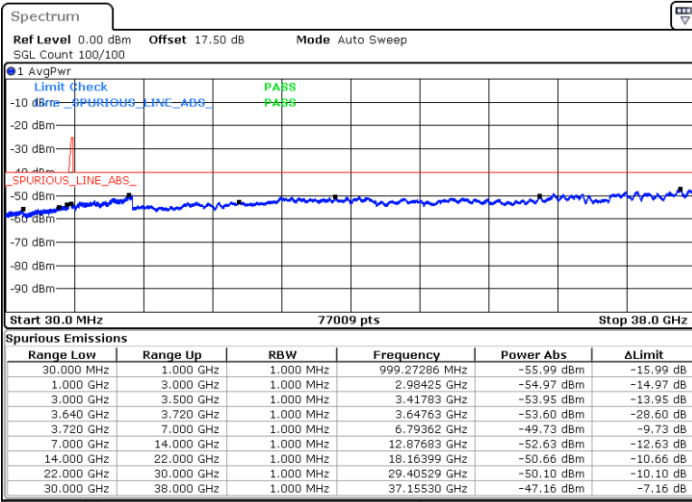


LTE Band 48C / 20MHz+15MHz

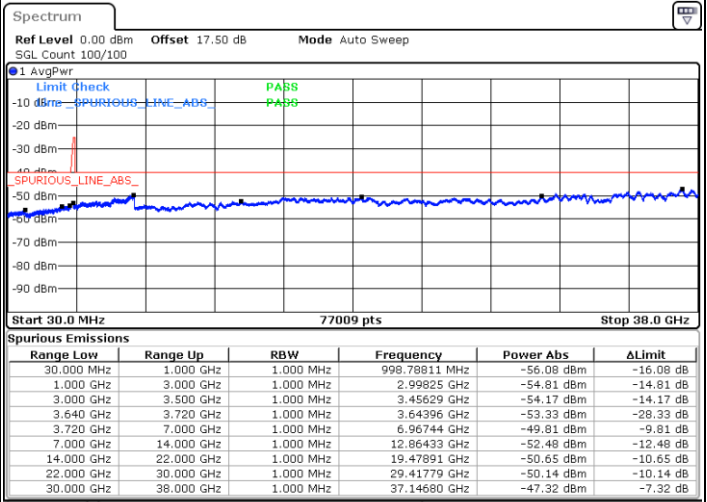
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



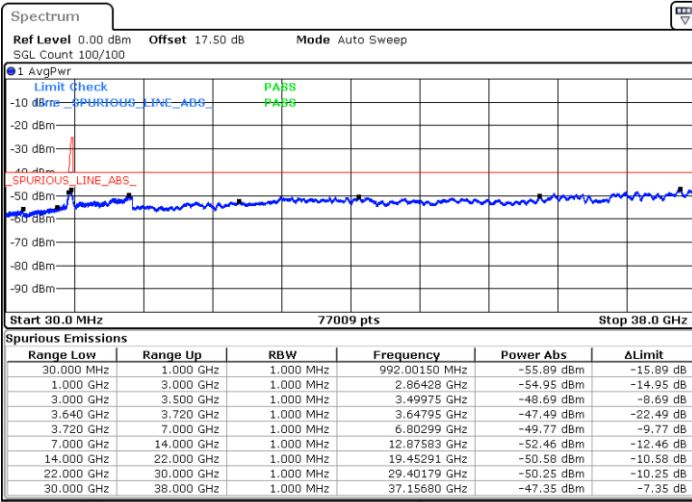
Date: 27. JAN 2020 22:23:32



Date: 27. JAN 2020 22:17:28

Lowest Channel / FullIRB

N/A



Date: 27. JAN 2020 22:24:45

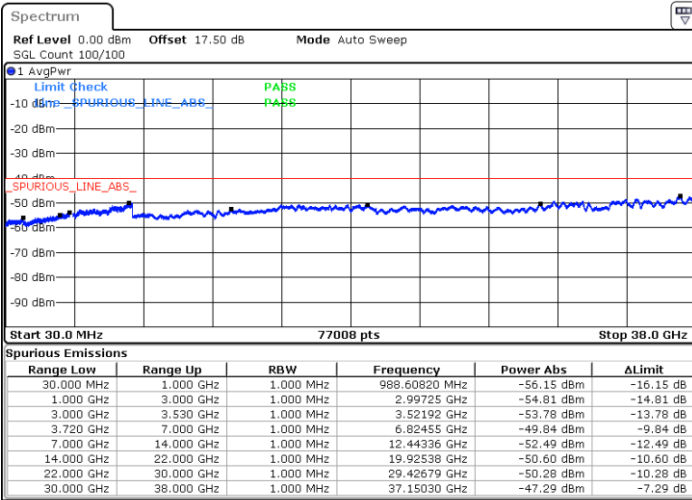


LTE Band 48C / 20MHz+15MHz

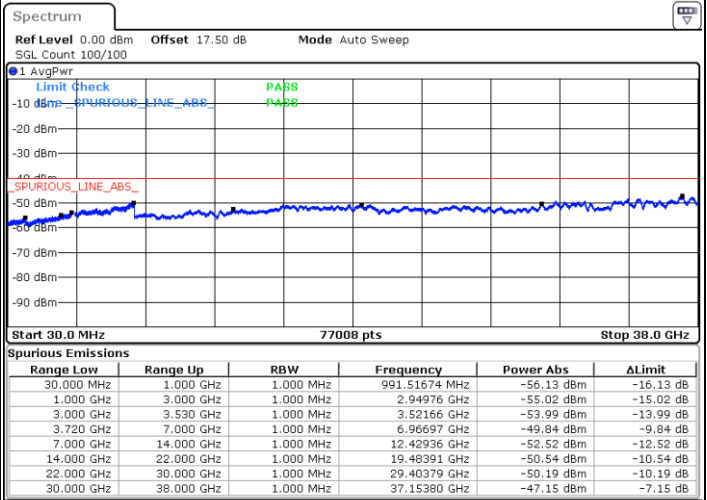
64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



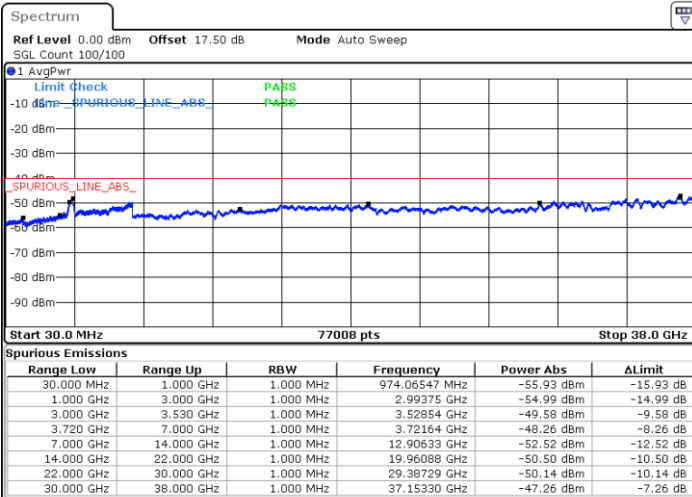
Date: 27. JAN 2020 23:23:14



Date: 27. JAN 2020 23:29:17

Middle Channel / FullIRB

N/A



Date: 27. JAN 2020 23:22:01

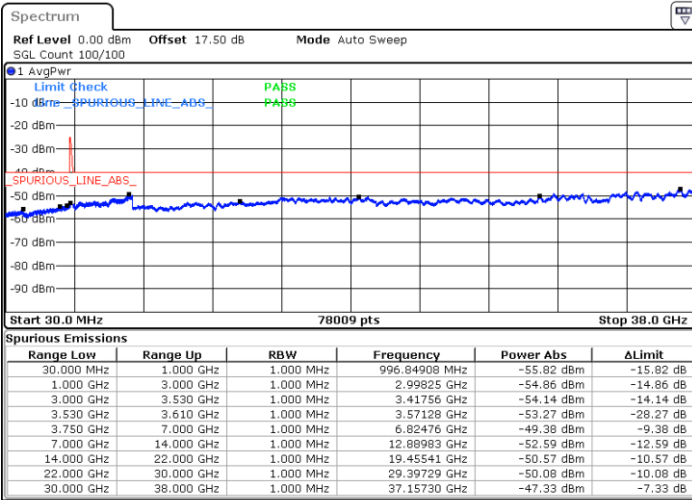


LTE Band 48C / 20MHz+15MHz

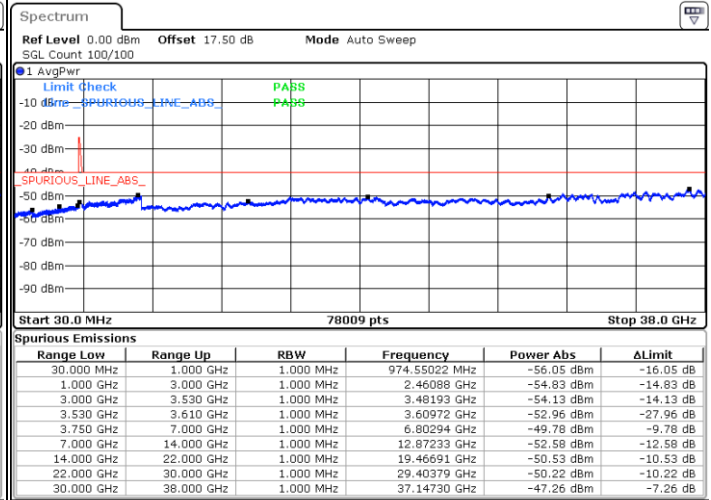
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



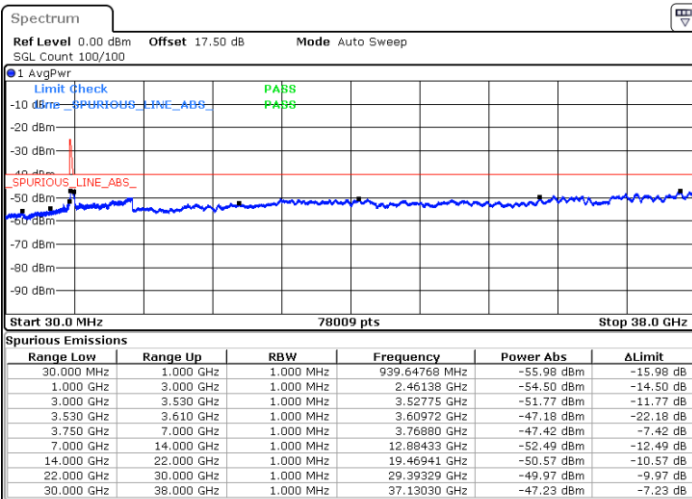
Date: 28 JAN 2020 00:08:01



Date: 28 JAN 2020 00:06:49

Highest Channel / FullIRB

N/A



Date: 28 JAN 2020 00:14:05

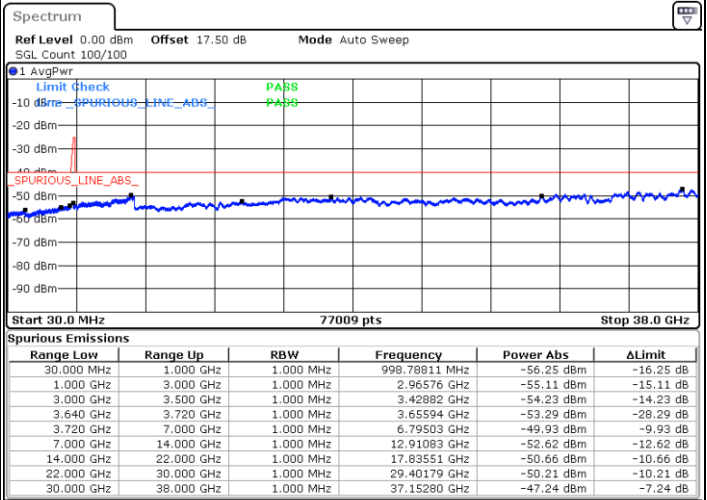
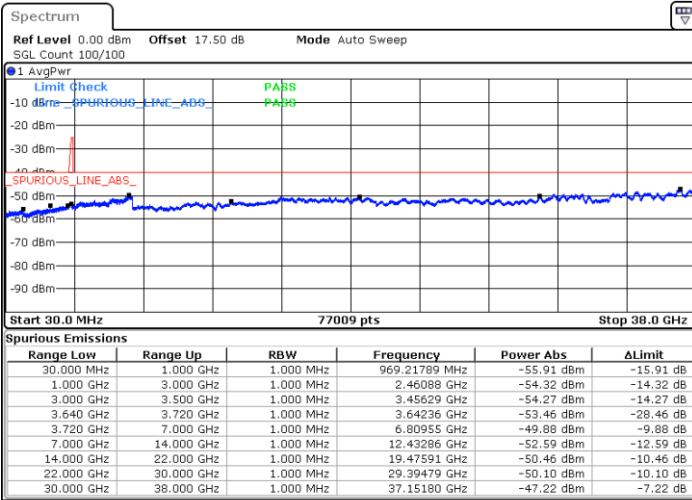


LTE Band 48C / 20MHz+20MHz

64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

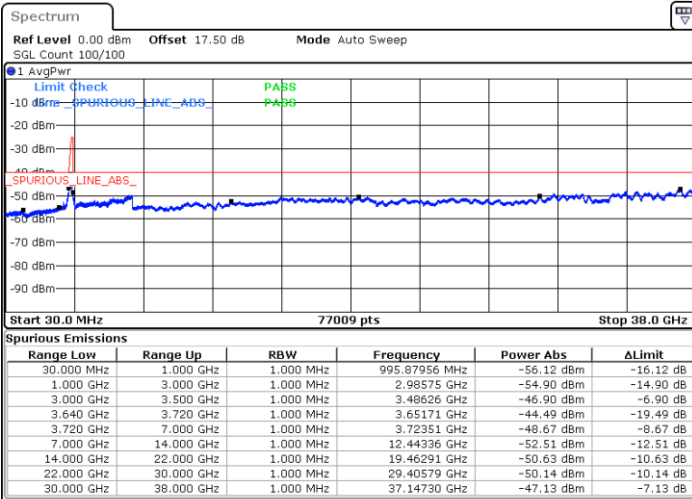


Date: 27. JAN 2020 21:37:57

Date: 27. JAN 2020 21:31:54

Lowest Channel / FullIRB

N/A



Date: 27. JAN 2020 21:39:10



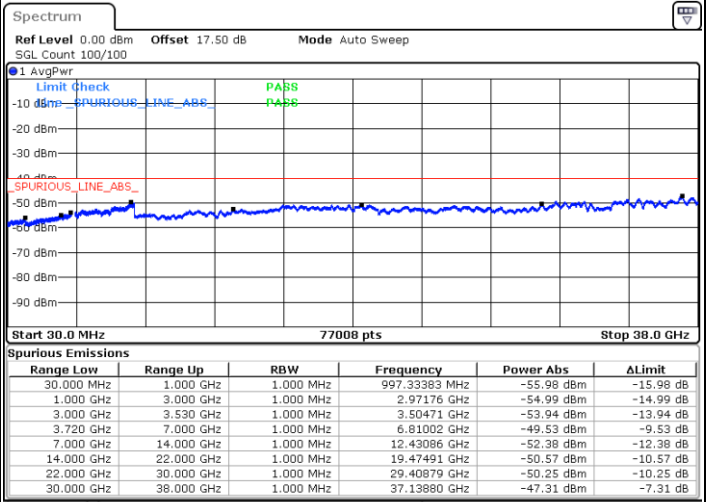
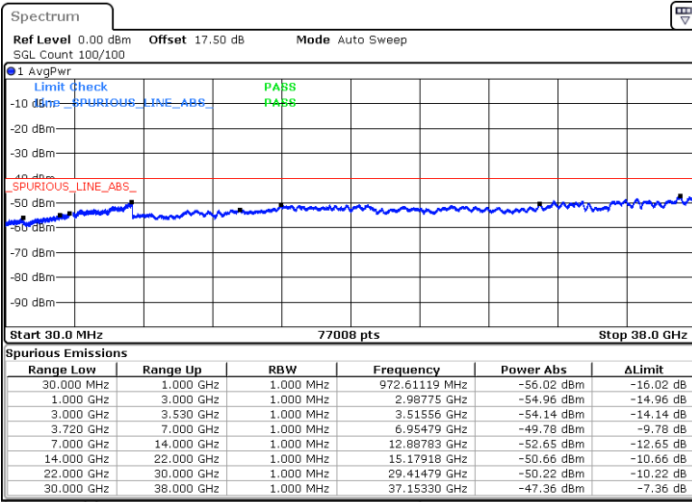


LTE Band 48C / 20MHz+20MHz

64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

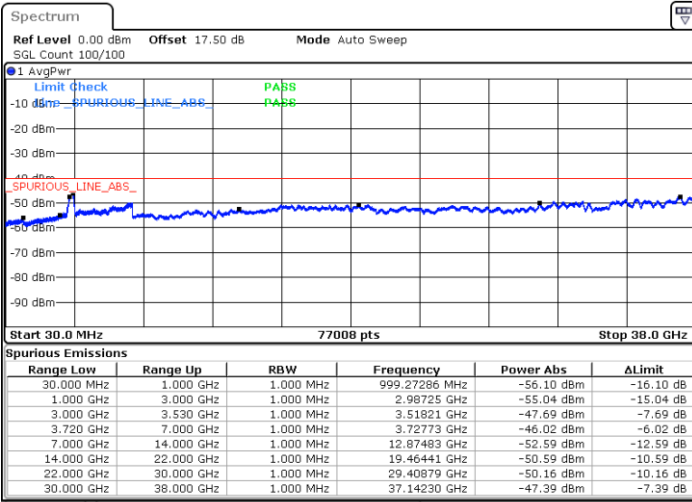


Date: 27.JAN.2020 20:42:41

Date: 27.JAN.2020 20:48:45

Middle Channel / FullIRB

N/A



Date: 27.JAN.2020 20:41:28

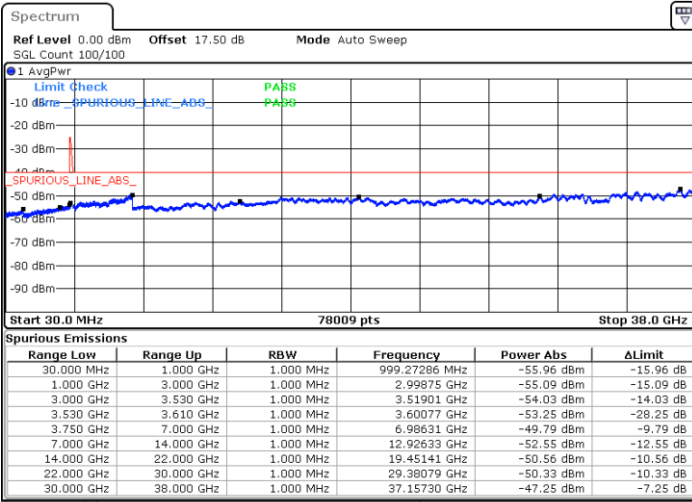


LTE Band 48C / 20MHz+20MHz

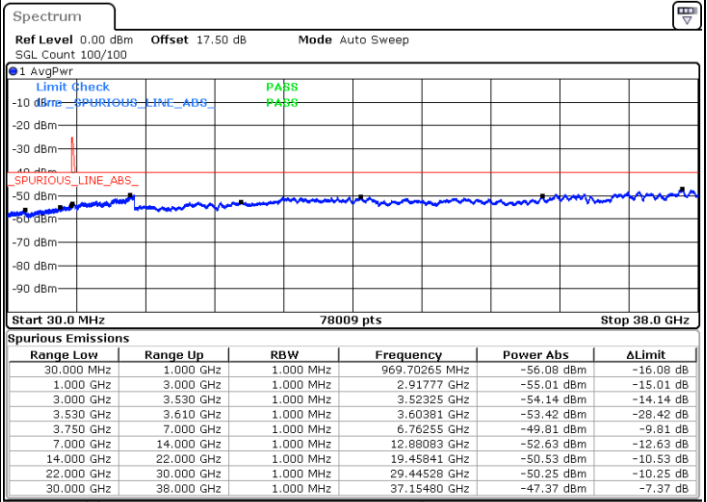
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



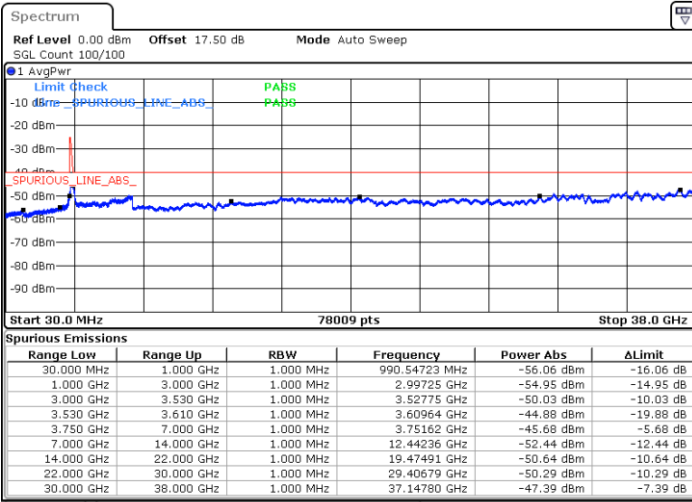
Date: 27. JAN 2020 19:33:39



Date: 27. JAN 2020 19:32:27

Highest Channel / FullIRB

N/A



Date: 27. JAN 2020 19:39:45



## Appendix B. Test Results of EIRP and Radiated Test

### EIRP

<Reporting Only>

LTE Band 48 / 5MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.96	0.1977	20.96	0.1247
Middle		1	12	22.73	0.1875	20.73	0.1183
Highest		1	12	22.37	0.1726	20.37	0.1089
Lowest	16QAM	1	12	21.93	0.1560	19.93	0.0984
Middle		1	12	21.74	0.1493	19.74	0.0942
Highest		1	12	21.37	0.1371	19.37	0.0865
Lowest	64QAM	1	24	20.49	0.1119	18.49	0.0706
Middle		1	24	20.31	0.1074	18.31	0.0678
Highest		1	24	20.28	0.1067	18.28	0.0673

LTE Band 48 / 10MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.91	0.1954	20.91	0.1233
Middle		1	25	22.71	0.1866	20.71	0.1178
Highest		1	25	22.35	0.1718	20.35	0.1084
Lowest	16QAM	1	25	22.08	0.1614	20.08	0.1019
Middle		1	25	21.83	0.1524	19.83	0.0962
Highest		1	25	21.49	0.1409	19.49	0.0889
Lowest	64QAM	1	25	20.88	0.1225	18.88	0.0773
Middle		1	25	20.57	0.1140	18.57	0.0719
Highest		1	25	20.31	0.1074	18.31	0.0678

LTE Band 48 / 15MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.88	0.1941	20.88	0.1225
Middle		1	74	22.77	0.1892	20.77	0.1194
Highest		1	74	22.34	0.1714	20.34	0.1081
Lowest	16QAM	1	74	22.19	0.1656	20.19	0.1045
Middle		1	74	21.90	0.1549	19.90	0.0977
Highest		1	74	21.52	0.1419	19.52	0.0895
Lowest	64QAM	1	74	20.76	0.1191	18.76	0.0752
Middle		1	74	20.45	0.1109	18.45	0.0700
Highest		1	74	20.34	0.1081	18.34	0.0682



LTE Band 48 / 20MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.04	0.2014	21.04	0.1271
Middle		1	49	22.81	0.1910	20.81	0.1205
Highest		1	49	22.46	0.1762	20.46	0.1112
Lowest	16QAM	1	49	22.14	0.1637	20.14	0.1033
Middle		1	49	21.91	0.1552	19.91	0.0979
Highest		1	49	21.59	0.1442	19.59	0.0910
Lowest	64QAM	1	49	20.50	0.1122	18.50	0.0708
Middle		1	49	20.98	0.1253	18.98	0.0791
Highest		1	49	20.00	0.1000	18.00	0.0631



**EIRP Power**

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	22.96	21.93	20.49
Middle CH	-	-	-	-	-	-	22.73	21.74	20.31
Highest CH	-	-	-	-	-	-	22.37	21.37	20.28
LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	22.91	22.08	20.88	21.12	20.43	19.00	20.03	19.13	17.49
Middle CH	22.71	21.83	20.57	21.01	20.14	18.69	19.80	18.90	17.97
Highest CH	22.35	21.49	20.31	20.58	19.76	18.58	19.45	18.58	16.99

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	20.96	19.93	18.49
Middle CH	-	-	-	-	-	-	20.73	19.74	18.31
Highest CH	-	-	-	-	-	-	20.37	19.37	18.28
LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	20.91	20.08	18.88	19.12	18.43	17.00	18.03	17.13	15.49
Middle CH	20.71	19.83	18.57	19.01	18.14	16.69	17.80	16.90	15.97
Highest CH	20.35	19.49	18.31	18.58	17.76	16.58	17.45	16.58	14.99
Antenna Gain	-2 dBi								
Limit	23dBm / 10MHz								
Result	Pass								



LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	99	1	0	22.31	0.1702	20.31	0.1074
Middle		1	99	1	0	22.22	0.1667	20.22	0.1052
Highest		1	99	1	0	22.85	0.1928	20.85	0.1216
Lowest	16QAM	1	99	1	0	21.83	0.1524	19.83	0.0962
Middle		1	99	1	0	21.62	0.1452	19.62	0.0916
Highest		1	99	1	0	21.86	0.1535	19.86	0.0968
Lowest	64QAM	1	99	1	0	19.89	0.0975	17.89	0.0615
Middle		1	99	1	0	20.10	0.1023	18.10	0.0646
Highest		1	99	1	0	20.77	0.1194	18.77	0.0753
Limit	EIRP < 1W				Result		PASS		

LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	99	1	0	22.21	0.1663	20.21	0.1050
Middle		1	99	1	0	22.23	0.1671	20.23	0.1054
Highest		1	99	1	0	22.81	0.1910	20.81	0.1205
Lowest	16QAM	1	99	1	0	21.34	0.1361	19.34	0.0859
Middle		1	99	1	0	21.27	0.1340	19.27	0.0845
Highest		1	99	1	0	22.10	0.1622	20.10	0.1023
Lowest	64QAM	1	99	1	0	18.85	0.0767	16.85	0.0484
Middle		1	99	1	0	19.23	0.0838	17.23	0.0528
Highest		1	99	1	0	20.05	0.1012	18.05	0.0638
Limit	EIRP < 1W				Result		PASS		

LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	74	1	0	21.97	0.1574	19.97	0.0993
Middle		1	74	1	0	22.11	0.1626	20.11	0.1026
Highest		1	74	1	0	22.71	0.1866	20.71	0.1178
Lowest	16QAM	1	74	1	0	21.09	0.1285	19.09	0.0811
Middle		1	74	1	0	21.33	0.1358	19.33	0.0857
Highest		1	74	1	0	22.03	0.1596	20.03	0.1007
Lowest	64QAM	1	74	1	0	18.63	0.0729	16.63	0.0460
Middle		1	74	1	0	19.22	0.0836	17.22	0.0527
Highest		1	74	1	0	20.25	0.1059	18.25	0.0668
Limit	EIRP < 1W				Result		PASS		



LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	99	1	0	21.78	0.1507	19.78	0.0951
Middle		1	99	1	0	22.31	0.1702	20.31	0.1074
Highest		1	99	1	0	22.78	0.1897	20.78	0.1197
Lowest	16QAM	1	99	1	0	20.94	0.1242	18.94	0.0783
Middle		1	99	1	0	21.34	0.1361	19.34	0.0859
Highest		1	99	1	0	21.97	0.1574	19.97	0.0993
Lowest	64QAM	100	0	50	0	18.37	0.0687	16.37	0.0434
Middle		100	0	50	0	18.98	0.0791	16.98	0.0499
Highest		100	0	50	0	20.09	0.1021	18.09	0.0644
Limit	EIRP < 1W				Result		PASS		

LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	49	1	0	21.95	0.1567	19.95	0.0989
Middle		1	49	1	0	22.04	0.1600	20.04	0.1009
Highest		1	49	1	0	22.72	0.1871	20.72	0.1180
Lowest	16QAM	1	49	1	0	20.94	0.1242	18.94	0.0783
Middle		1	49	1	0	21.19	0.1315	19.19	0.0830
Highest		1	49	1	0	21.97	0.1574	19.97	0.0993
Lowest	64QAM	1	49	1	0	18.65	0.0733	16.65	0.0462
Middle		1	49	1	0	19.23	0.0838	17.23	0.0528
Highest		1	49	1	0	20.12	0.1028	18.12	0.0649
Limit	EIRP < 1W				Result		PASS		

LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	99	1	0	21.63	0.1455	19.63	0.0918
Middle		1	99	1	0	22.14	0.1637	20.14	0.1033
Highest		1	99	1	0	22.78	0.1897	20.78	0.1197
Lowest	16QAM	1	99	1	0	20.66	0.1164	18.66	0.0735
Middle		1	99	1	0	21.17	0.1309	19.17	0.0826
Highest		1	99	1	0	21.92	0.1556	19.92	0.0982
Lowest	64QAM	100	0	25	0	18.66	0.0735	16.66	0.0463
Middle		100	0	25	0	19.16	0.0824	17.16	0.0520
Highest		100	0	25	0	19.87	0.0971	17.87	0.0612
Limit	EIRP < 1W				Result		PASS		



LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -2 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	24	1	0	21.37	0.1371	19.37	0.0865
Middle		1	24	1	0	22.00	0.1585	20.00	0.1000
Highest		1	24	1	0	22.75	0.1884	20.75	0.1189
Lowest	16QAM	1	24	1	0	20.45	0.1109	18.45	0.0700
Middle		1	24	1	0	20.99	0.1256	18.99	0.0793
Highest		1	24	1	0	21.85	0.1531	19.85	0.0966
Lowest	64QAM	1	24	1	0	18.25	0.0668	16.25	0.0422
Middle		1	24	1	0	18.83	0.0764	16.83	0.0482
Highest		1	24	1	0	20.12	0.1028	18.12	0.0649
Limit	EIRP < 1W					Result		PASS	





**EIRP Power**

LTE Band 48C / Conducted Power (dBm/10MHz)									
BW	20 + 20 MHz			20 + 15 MHz			15 + 20 MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	22.31	21.83	19.89	22.21	21.34	18.85	21.97	21.09	18.63
Middle CH	22.22	21.62	20.10	22.23	21.27	19.23	22.11	21.33	19.22
Highest CH	22.85	21.86	20.77	22.81	22.10	20.05	22.71	22.03	20.25
LTE Band 48C / Conducted Power (dBm/10MHz)									
BW	20 + 10 MHz			10 + 20 MHz			20 + 5 MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	21.78	20.94	18.37	21.95	20.94	18.65	21.63	20.66	18.66
Middle CH	22.31	21.34	18.98	22.04	21.19	19.23	22.14	21.17	19.16
Highest CH	22.78	21.97	20.09	22.72	21.97	20.12	22.78	21.92	19.87
LTE Band 48C / Conducted Power (dBm/10MHz)									
BW	5 + 20 MHz			-					
Mod.	QPSK	16QAM	64QAM						
Lowest CH	21.37	20.45	18.25						
Middle CH	22.00	20.99	18.83						
Highest CH	22.75	21.85	20.12						

LTE Band 48C / EIRP Power (dBm/10MHz)									
BW	20 + 20 MHz			20 + 15 MHz			15 + 20 MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	20.31	19.83	17.89	20.21	19.34	16.85	19.97	19.09	16.63
Middle CH	20.22	19.62	18.10	20.23	19.27	17.23	20.11	19.33	17.22
Highest CH	20.85	19.86	18.77	20.81	20.10	18.05	20.71	20.03	18.25
LTE Band 48C / EIRP Power (dBm/10MHz)									
BW	20 + 10 MHz			10 + 20 MHz			20 + 5 MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	19.78	18.94	16.37	19.95	18.94	16.65	19.63	18.66	16.66
Middle CH	20.31	19.34	16.98	20.04	19.19	17.23	20.14	19.17	17.16
Highest CH	20.78	19.97	18.09	20.72	19.97	18.12	20.78	19.92	17.87
LTE Band 48C / EIRP Power (dBm/10MHz)									
BW	5 + 20 MHz			-					
Mod.	QPSK	16QAM	64QAM						
Lowest CH	19.37	18.45	16.25						
Middle CH	20.00	18.99	16.83						
Highest CH	20.75	19.85	18.12						
Antenna Gain	-2 dBi								
Limit	23dBm / 10MHz								
Result	Pass								



Radiated Spurious Emission

LTE Band 48

LTE Band 48 / 20MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7120	-54.89	-40	-14.89	-52.65	-64.81	1.78	11.71	H
	10680	-54.05	-40	-14.05	-55.2	-62.47	2.48	10.90	H
	14242	-55.16	-40	-15.16	-62.11	-63.91	2.87	11.62	H
	21359	-46.53	-40	-6.53	-68.25	-63.26	1.97	18.70	H
	24919	-50.79	-40	-10.79	-75.45	-66.89	2.07	18.17	H
	28479	-48.47	-40	-8.47	-73.99	-65.76	2.30	19.59	H
	7120	-58.53	-40	-18.53	-55.92	-68.45	1.78	11.71	V
	10680	-55.05	-40	-15.05	-55.97	-63.47	2.48	10.90	V
	14242	-56.96	-40	-16.96	-63.56	-65.71	2.87	11.62	V
	21359	-46.46	-40	-6.46	-68.08	-63.19	1.97	18.70	V
	24919	-49.81	-40	-9.81	-75.65	-65.91	2.07	18.17	V
	28479	-46.38	-40	-6.38	-73.78	-63.67	2.30	19.59	V
Middle	7250	-59.10	-40	-19.10	-57.06	-68.75	1.86	11.50	H
	10875	-55.64	-40	-15.64	-57.04	-63.96	2.59	10.90	H
	14498	-57.44	-40	-17.44	-64.04	-65.59	2.85	11.00	H
	18125	-53.11	-40	-13.11	-71.25	-69.31	1.77	17.98	H
	21749	-46.47	-40	-6.47	-68.04	-63.26	2.01	18.80	H
	25374	-49.51	-40	-9.51	-74.76	-66.19	2.15	18.82	H
	7250	-58.78	-40	-18.78	-56.49	-68.43	1.86	11.50	V
	10875	-59.40	-40	-19.40	-60.6	-67.72	2.59	10.90	V
	14498	-58.62	-40	-18.62	-64.32	-66.77	2.85	11.00	V
	18125	-53.17	-40	-13.17	-70.39	-69.37	1.77	17.98	V
	21749	-48.33	-40	-8.33	-69.89	-65.12	2.01	18.80	V
	25374	-48.94	-40	-8.94	-75.48	-65.62	2.15	18.82	V
Highest	7380	-55.08	-40	-15.08	-52.89	-64.45	1.93	11.29	H
	11070	-50.11	-40	-10.11	-51.8	-58.47	2.62	10.98	H
	14760	-56.64	-40	-16.64	-64.71	-65.55	2.92	11.83	H
	18450	-51.55	-40	-11.55	-69.89	-67.58	1.88	17.91	H
	22139	-46.30	-40	-6.30	-68.69	-63.08	2.06	18.84	H
	25829	-48.78	-40	-8.78	-74.89	-65.85	2.00	19.07	H
	7380	-57.42	-40	-17.42	-55.06	-66.79	1.93	11.29	V
	11070	-56.78	-40	-16.78	-58.3	-65.14	2.62	10.98	V
	14760	-58.60	-40	-18.60	-64.89	-67.51	2.92	11.83	V
	18450	-54.25	-40	-14.25	-71.72	-70.28	1.88	17.91	V
	22139	-48.56	-40	-8.56	-70.96	-65.34	2.06	18.84	V
	25829	-47.81	-40	-7.81	-75.07	-64.88	2.00	19.07	V

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



LTE Band CA 48C

LTE Band 48CA / 20MHz+20MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7140	-58.69	-40	-18.69	-56.51	-68.57	1.80	11.68	H
	10705	-58.13	-40	-18.13	-59.32	-66.53	2.50	10.90	H
	14272	-56.78	-40	-16.78	-63.69	-65.46	2.86	11.55	H
	21418	-46.16	-40	-6.16	-67.71	-62.91	1.95	18.70	H
	24981	-51.75	-40	-11.75	-76.41	-67.94	2.08	18.27	H
	28556	-49.44	-40	-9.44	-74.92	-66.66	2.31	19.53	H
	7140	-58.91	-40	-18.91	-56.38	-68.79	1.80	11.68	V
	10705	-57.98	-40	-17.98	-58.93	-66.38	2.50	10.90	V
	14272	-56.61	-40	-16.61	-63.1	-65.29	2.86	11.55	V
	21418	-53.22	-40	-13.22	-74.71	-69.97	1.95	18.70	V
	24981	-50.54	-40	-10.54	-76.35	-66.73	2.08	18.27	V
	28556	-48.97	-40	-8.97	-76.32	-66.19	2.31	19.53	V
Middle	7250	-59.21	-40	-19.21	-57.17	-68.86	1.86	11.50	H
	10870	-59.03	-40	-19.03	-60.43	-67.35	2.58	10.90	H
	14498	-56.92	-40	-16.92	-63.52	-65.07	2.85	11.00	H
	18122	-53.48	-40	-13.48	-71.62	-69.68	1.77	17.98	H
	21751	-46.10	-40	-6.10	-67.67	-62.89	2.01	18.80	H
	25370	-50.52	-40	-10.52	-75.77	-67.19	2.15	18.82	H
	29000	-49.23	-40	-9.23	-74.44	-65.86	2.37	19.00	H
	7250	-59.54	-40	-19.54	-57.25	-69.19	1.86	11.50	V
	10870	-59.23	-40	-19.23	-60.43	-67.55	2.58	10.90	V
	14498	-58.38	-40	-18.38	-64.08	-66.53	2.85	11.00	V
	18122	-54.38	-40	-14.38	-71.6	-70.58	1.77	17.98	V
	21751	-49.95	-40	-9.95	-71.51	-66.74	2.01	18.80	V
	25370	-49.69	-40	-9.69	-76.23	-66.36	2.15	18.82	V
29000	-48.38	-40	-8.38	-75.13	-65.01	2.37	19.00	V	
Highest	7360	-59.20	-40	-19.20	-57.05	-68.61	1.91	11.32	H
	11035	-59.53	-40	-19.53	-61.15	-67.84	2.64	10.94	H
	14718	-56.39	-40	-16.39	-64.22	-65.18	2.91	11.70	H
	18399	-53.97	-40	-13.97	-72.28	-70.02	1.87	17.92	H
	22084	-46.99	-40	-6.99	-69.15	-63.78	2.08	18.87	H
	25758	-50.79	-40	-10.79	-76.76	-67.81	2.04	19.05	H
	7360	-59.28	-40	-19.28	-56.94	-68.69	1.91	11.32	V
	11035	-60.15	-40	-20.15	-61.6	-68.46	2.64	10.94	V
	14718	-58.10	-40	-18.10	-64.29	-66.89	2.91	11.70	V
	18399	-54.73	-40	-14.73	-72.16	-70.78	1.87	17.92	V
	22084	-50.29	-40	-10.29	-72.45	-67.08	2.08	18.87	V
	25758	-49.88	-40	-9.88	-77.04	-66.90	2.04	19.05	V

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