

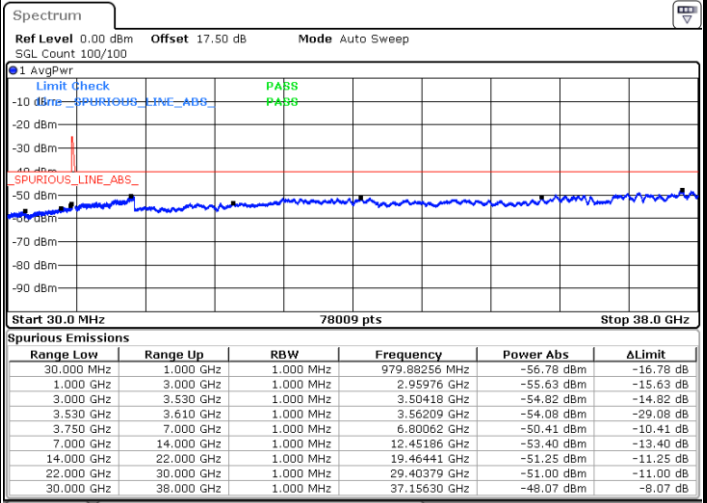
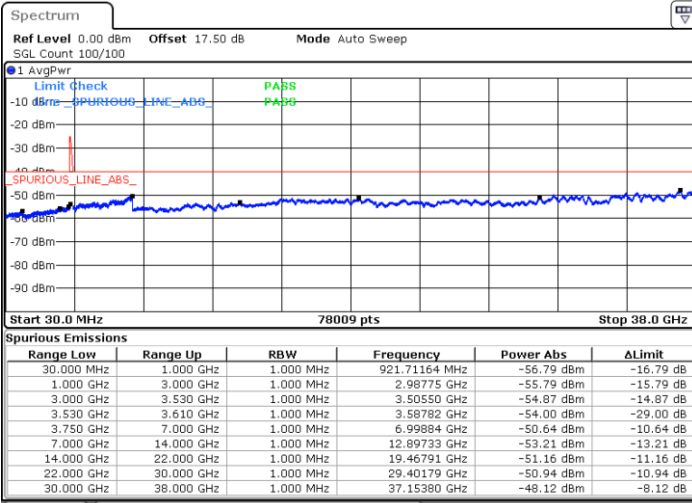


LTE Band 48C / 20MHz+10MHz

16QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0

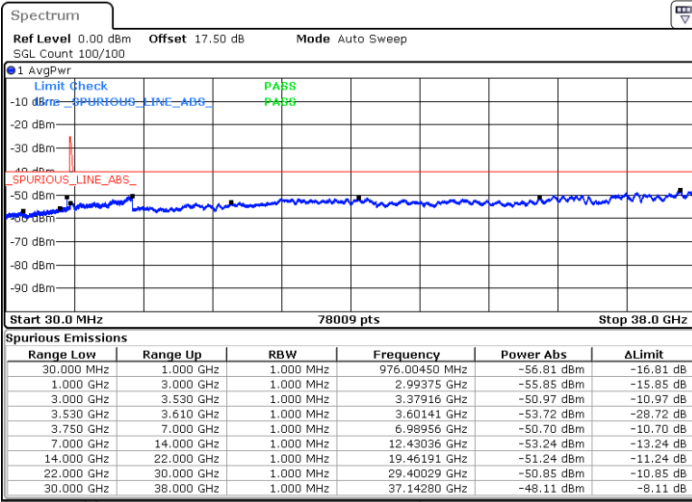


Date: 10.FEB.2020 19:41:31

Date: 10.FEB.2020 19:37:55

Highest Channel / FullIRB

N/A



Date: 10.FEB.2020 19:45:07

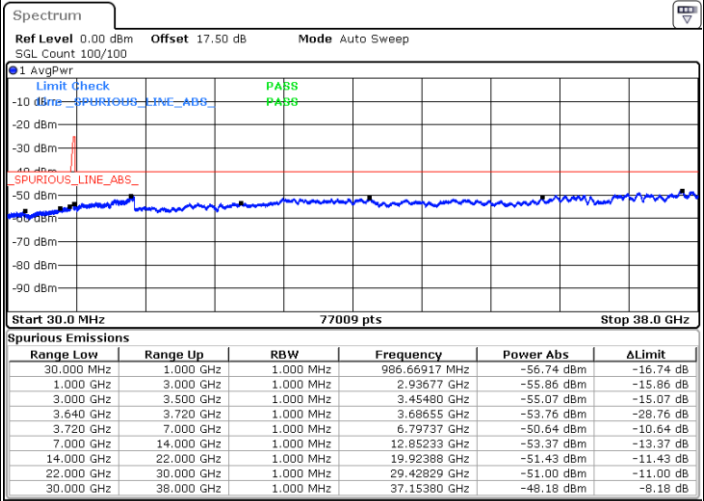
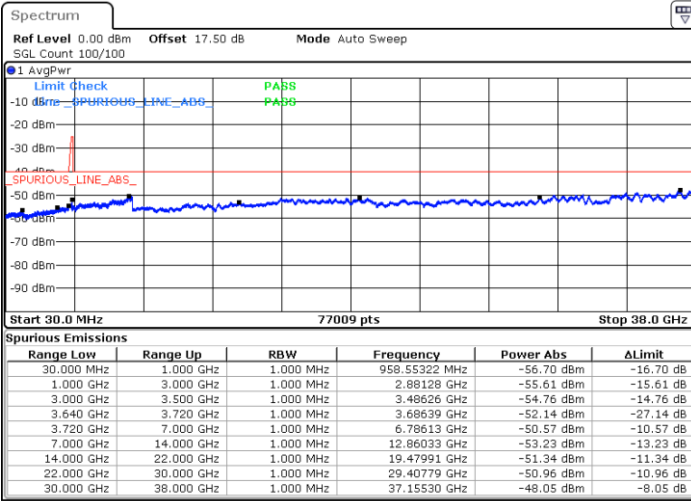


LTE Band 48C / 20MHz+15MHz

16QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0

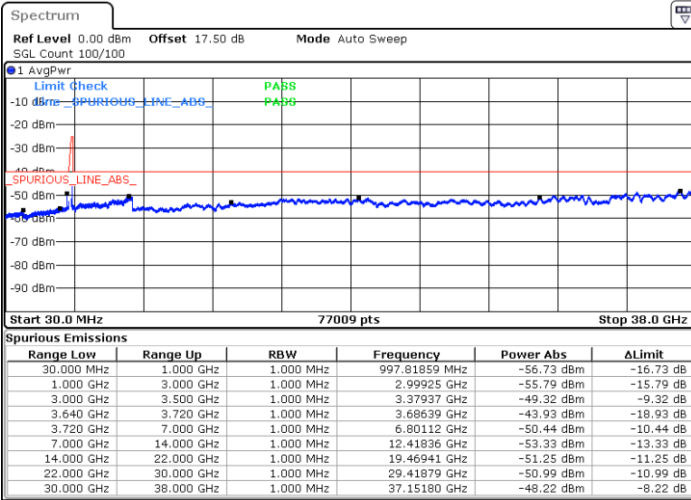


Date: 10.FEB.2020 15:15:03

Date: 10.FEB.2020 15:11:27

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2020 15:18:40

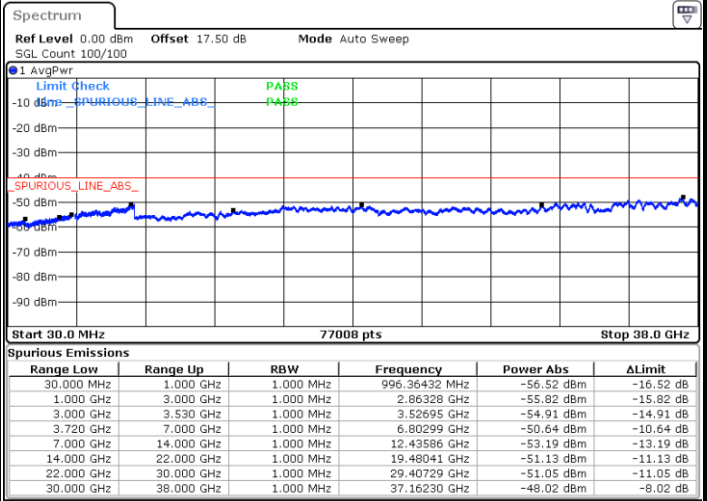
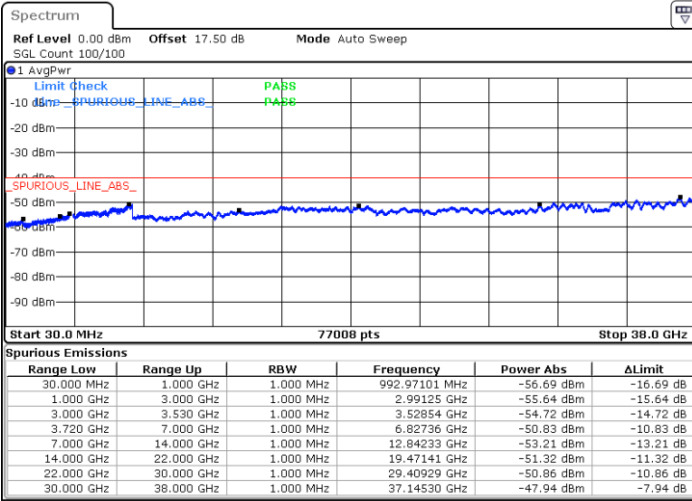


LTE Band 48C / 20MHz+15MHz

16QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0

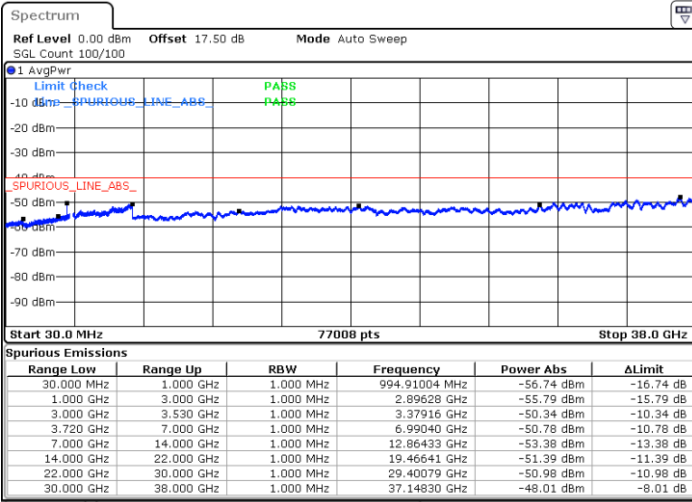


Date: 10.FEB.2020 16:18:19

Date: 10.FEB.2020 16:21:55

Middle Channel / FullRB

N/A



Date: 10.FEB.2020 16:14:43

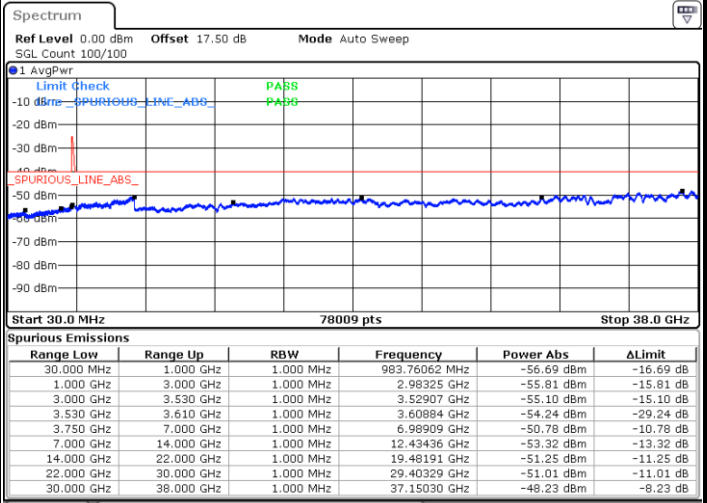
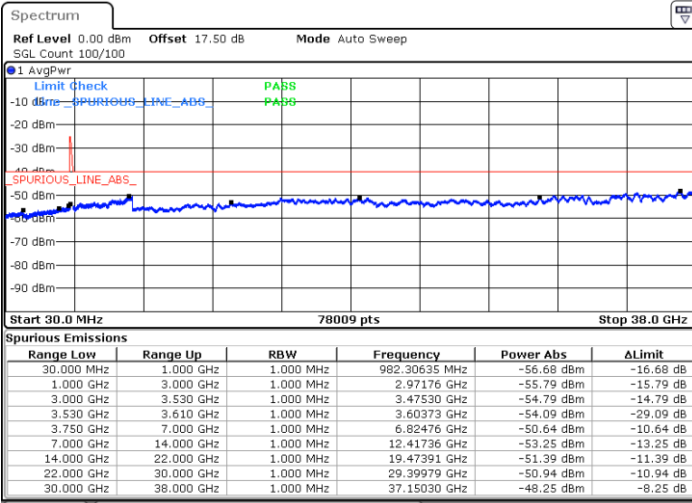


LTE Band 48C / 20MHz+15MHz

16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0

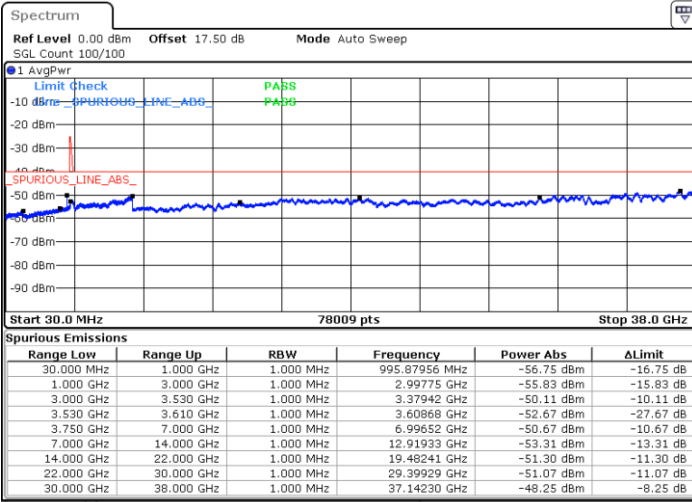


Date: 10.FEB.2020 17:14:30

Date: 10.FEB.2020 17:10:54

Highest Channel / FullIRB

N/A



Date: 10.FEB.2020 17:18:06

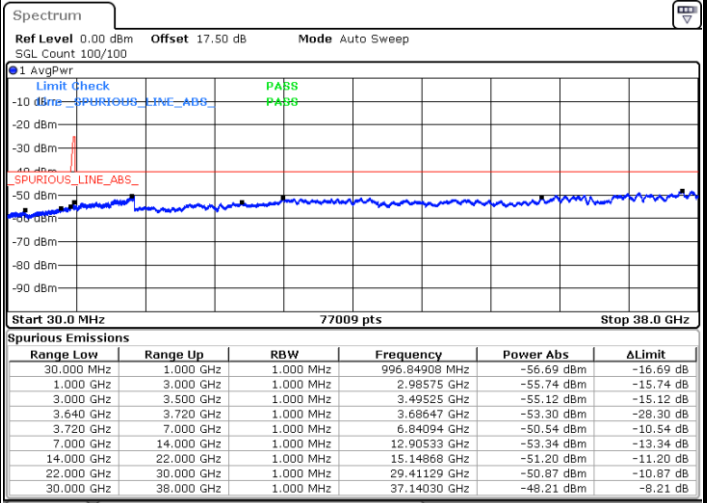
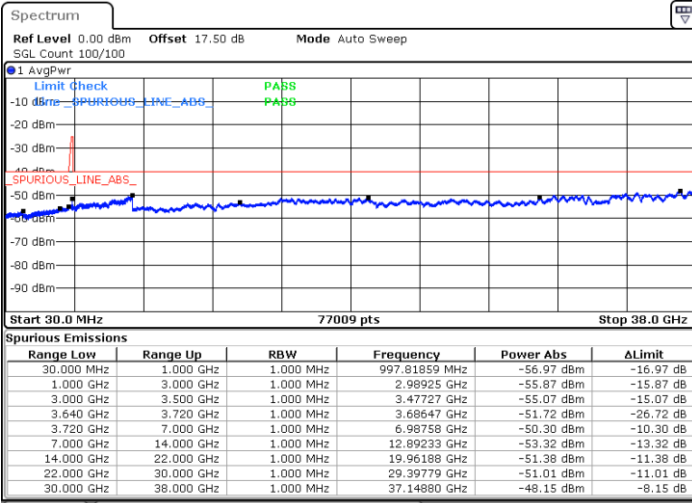


LTE Band 48C / 20MHz+20MHz

16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

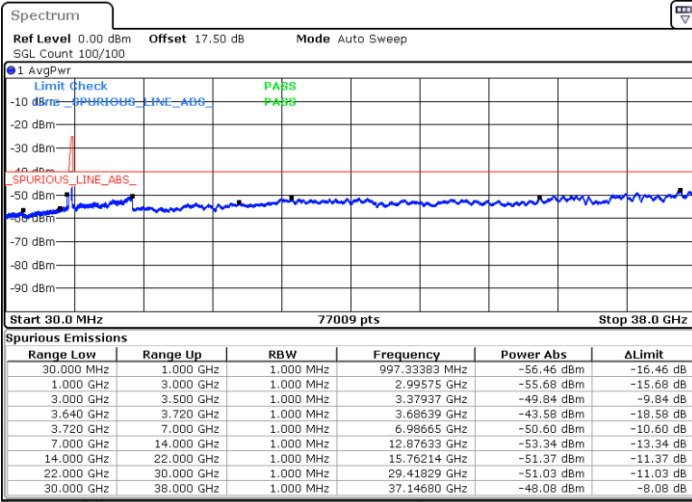


Date: 10.FEB.2020 10:34:44

Date: 10.FEB.2020 10:31:07

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2020 10:38:23

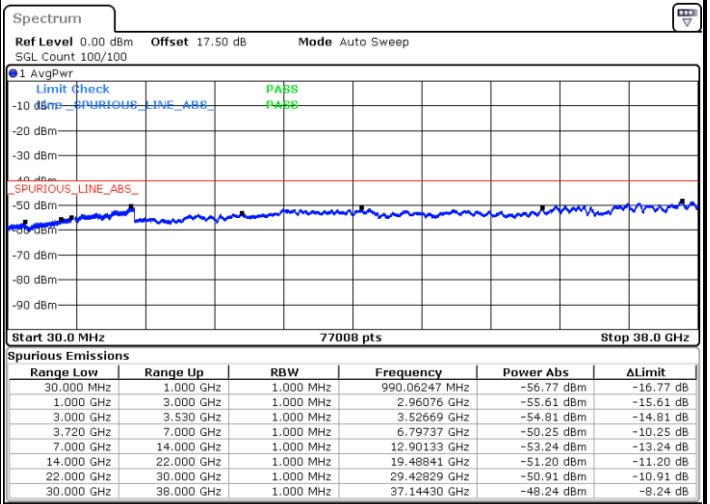
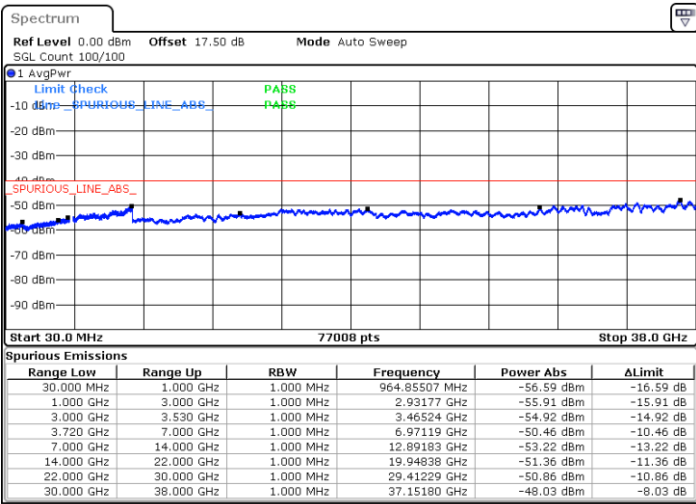


LTE Band 48C / 20MHz+20MHz

16QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

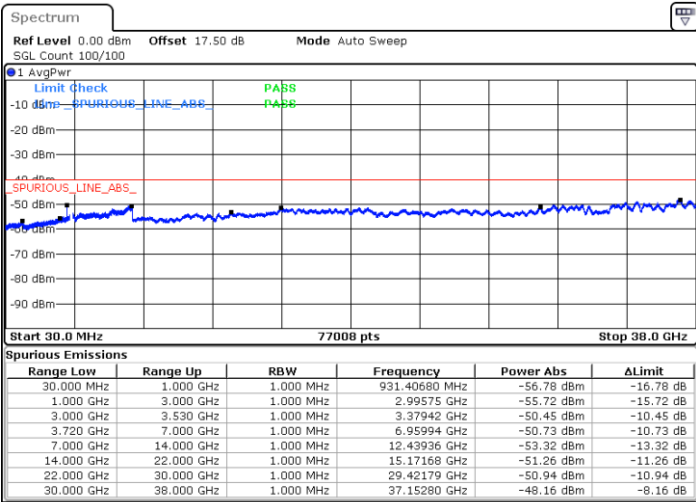


Date: 10.FEB.2020 11:25:42

Date: 10.FEB.2020 11:29:20

Middle Channel / FullRB

N/A



Date: 10.FEB.2020 11:22:03

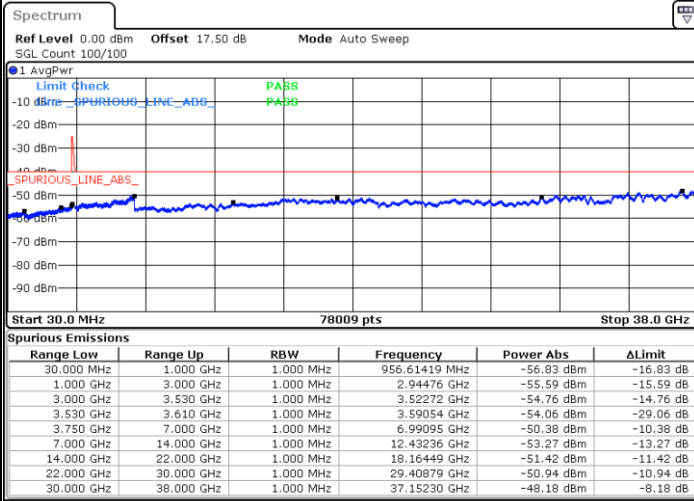


LTE Band 48C / 20MHz+20MHz

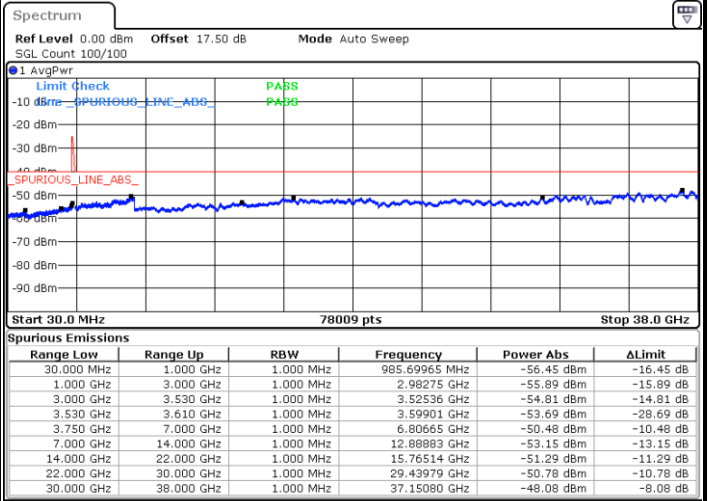
16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



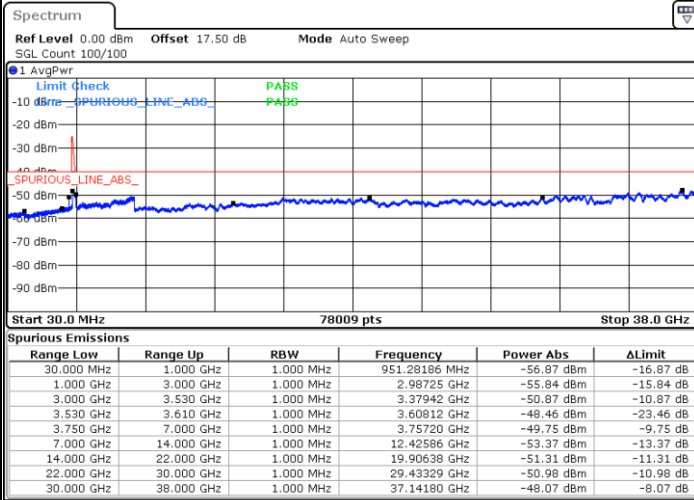
Date: 10.FEB.2020 13:53:50



Date: 10.FEB.2020 13:50:14

Highest Channel / FullIRB

N/A



Date: 10.FEB.2020 13:57:26

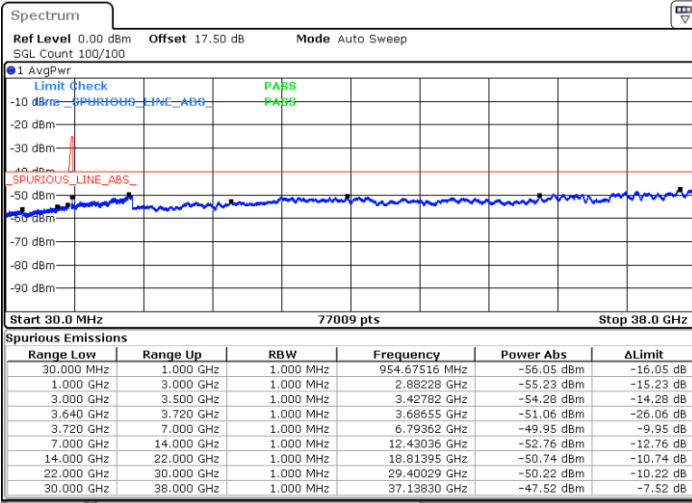


LTE Band 48C / 5MHz+20MHz

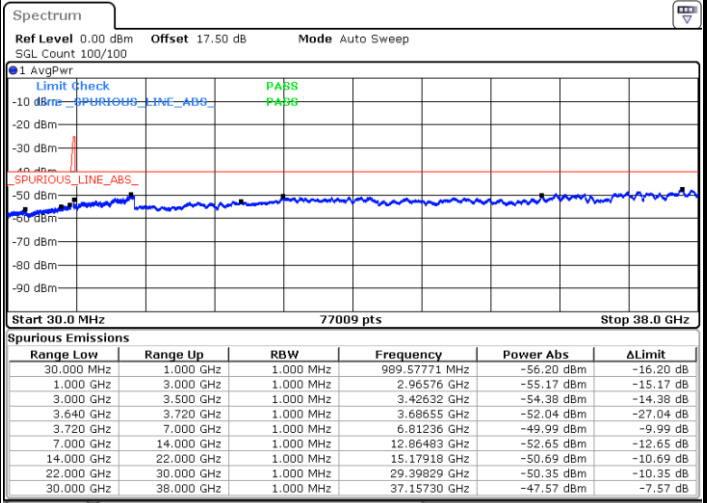
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



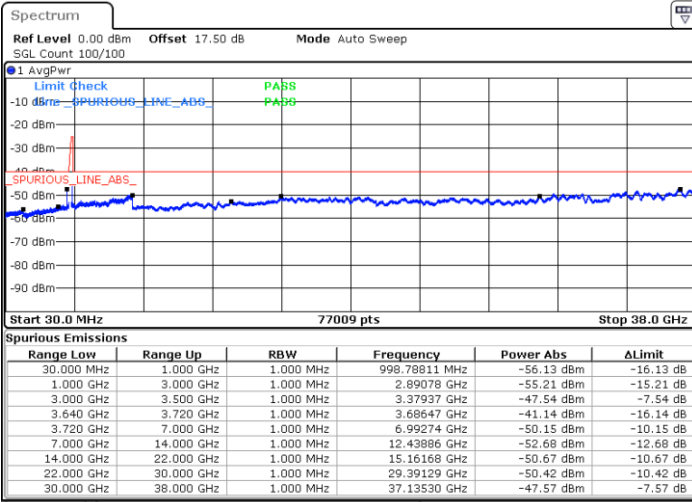
Date: 19 FEB 2020 16:26:01



Date: 19 FEB 2020 16:19:58

Lowest Channel / FullIRB

N/A



Date: 19 FEB 2020 16:27:14

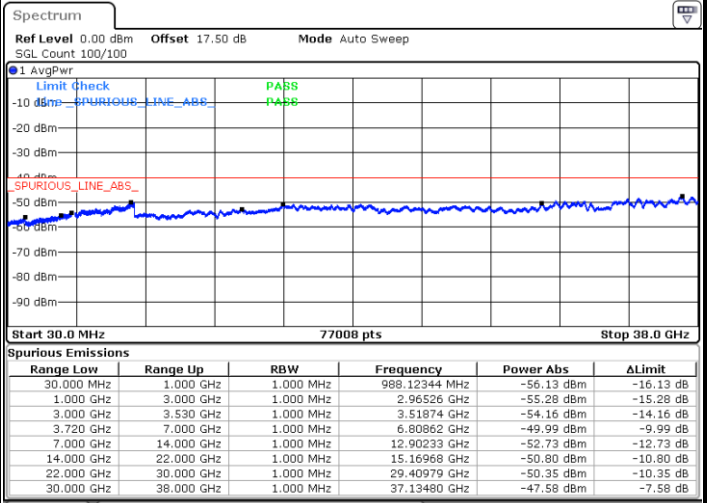
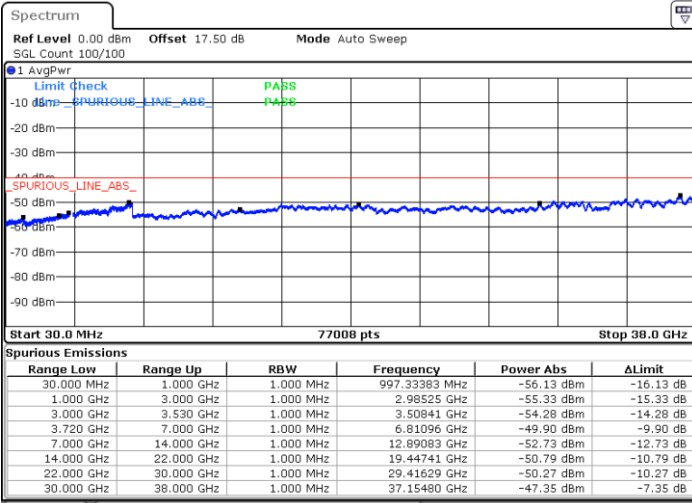


LTE Band 48C / 5MHz+20MHz

64QAM

Middle Channel / 1RB0 and 1RB9

Middle Channel / 1RB24 and 1RB0

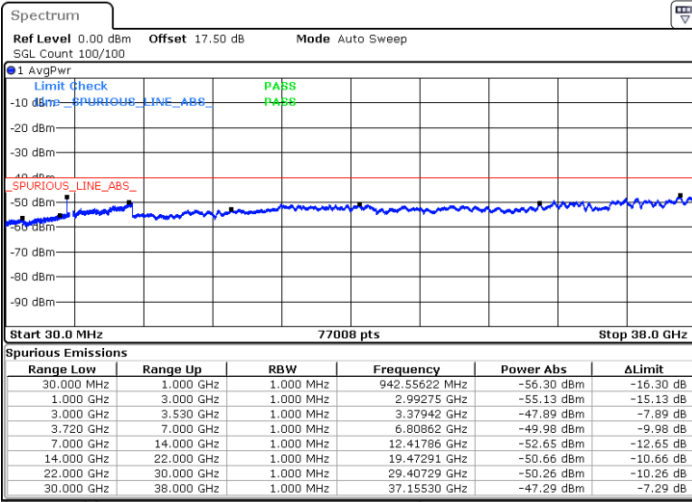


Date: 19 FEB 2020 17:54:37

Date: 19 FEB 2020 18:00:41

Middle Channel / FullRB

N/A



Date: 19 FEB 2020 17:53:24

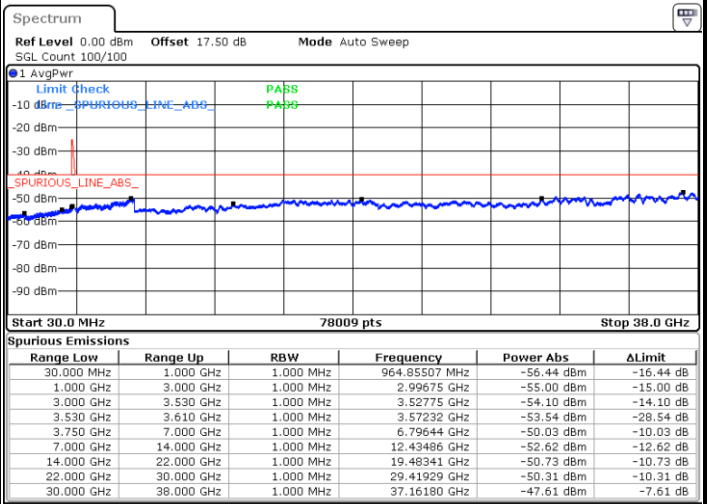
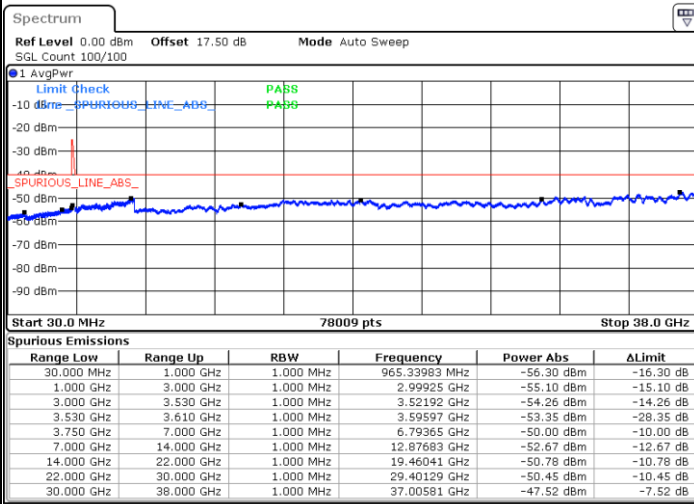


LTE Band 48C / 5MHz+20MHz

64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0

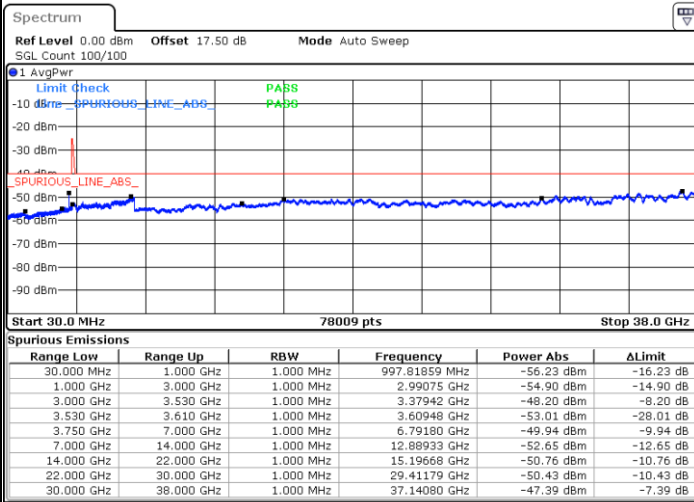


Date: 19 FEB 2020 18:33:43

Date: 19 FEB 2020 18:32:31

Highest Channel / FullIRB

N/A



Date: 19 FEB 2020 18:39:48

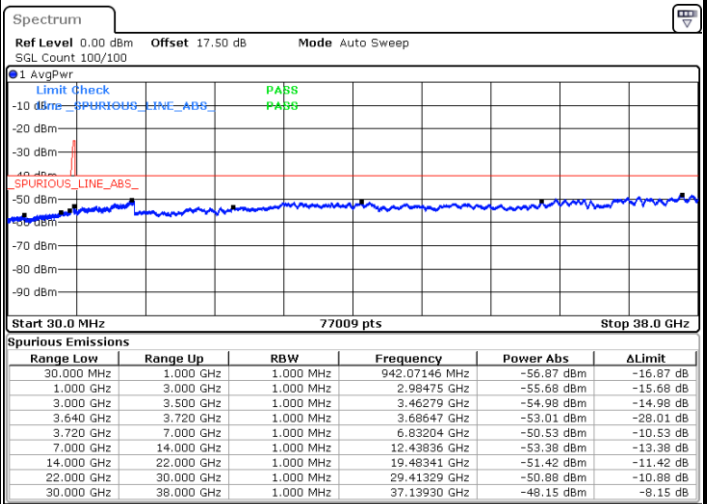
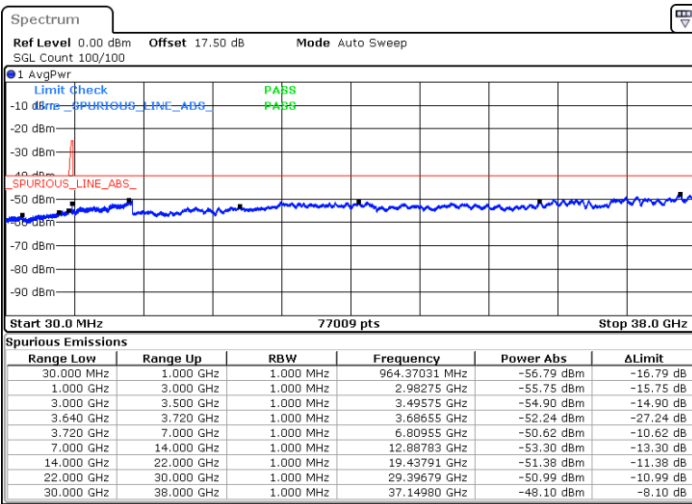


LTE Band 48C / 10MHz+20MHz

64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0

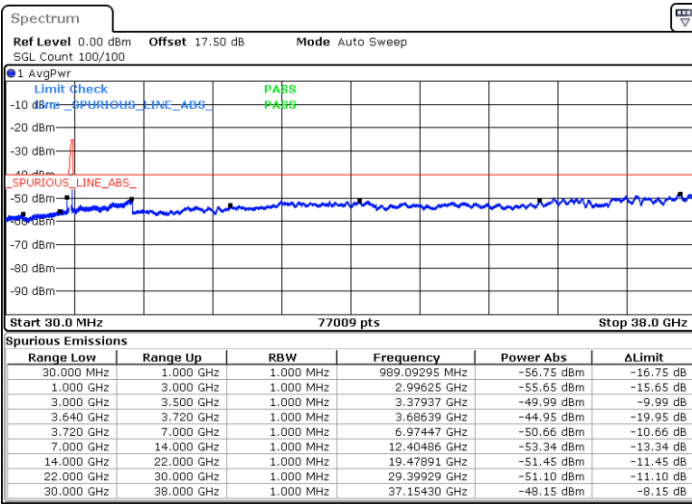


Date: 14.FEB.2020 09:54:59

Date: 14.FEB.2020 09:48:55

Lowest Channel / FullIRB

N/A



Date: 14.FEB.2020 09:56:12

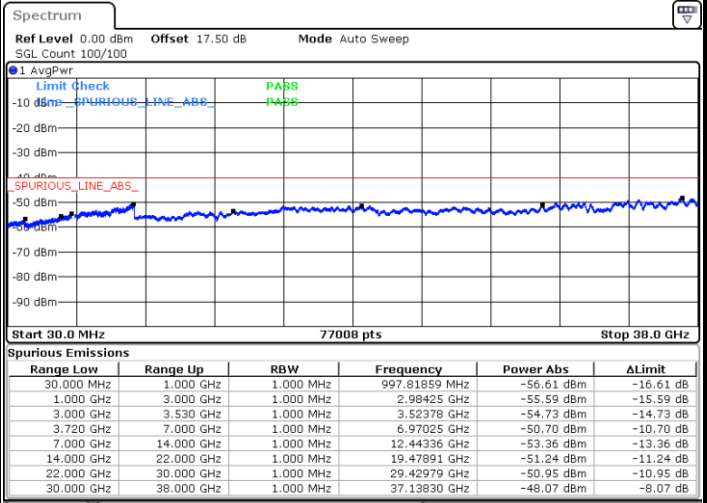
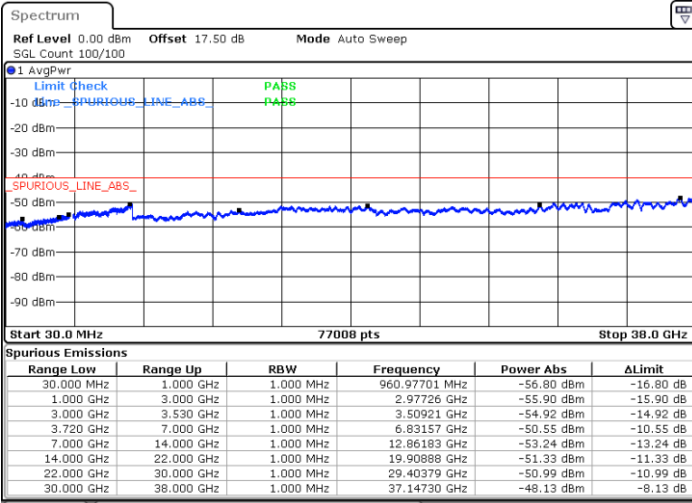


LTE Band 48C / 10MHz+20MHz

64QAM

Middle Channel / 1RB0 and 1RB9

Middle Channel / 1RB49 and 1RB0

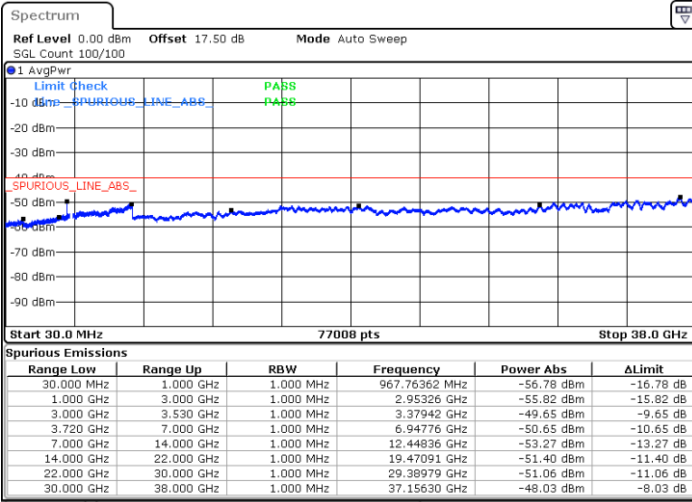


Date: 14.FEB.2020 10:29:42

Date: 14.FEB.2020 10:35:46

Middle Channel / FullRB

N/A



Date: 14.FEB.2020 10:28:29

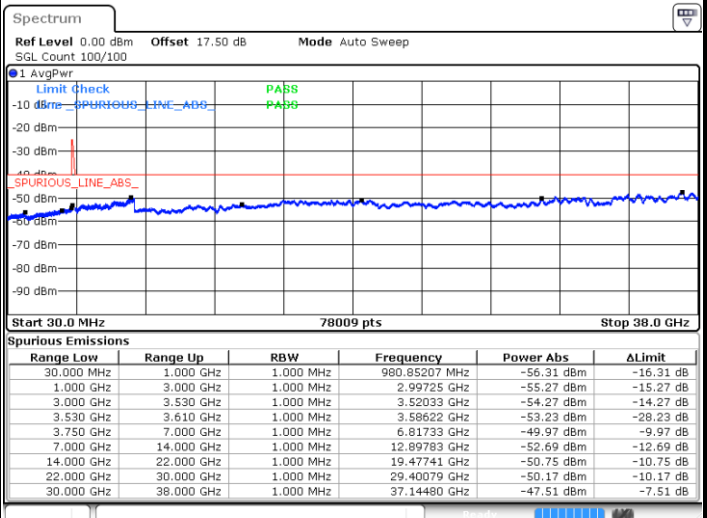
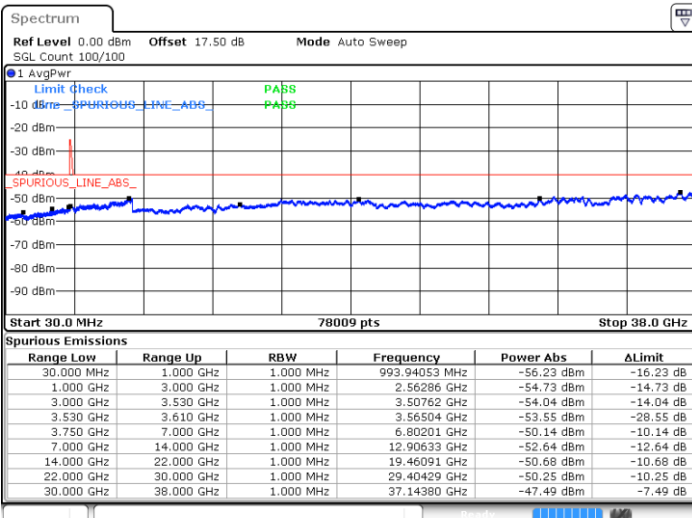


LTE Band 48C / 10MHz+20MHz

64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0

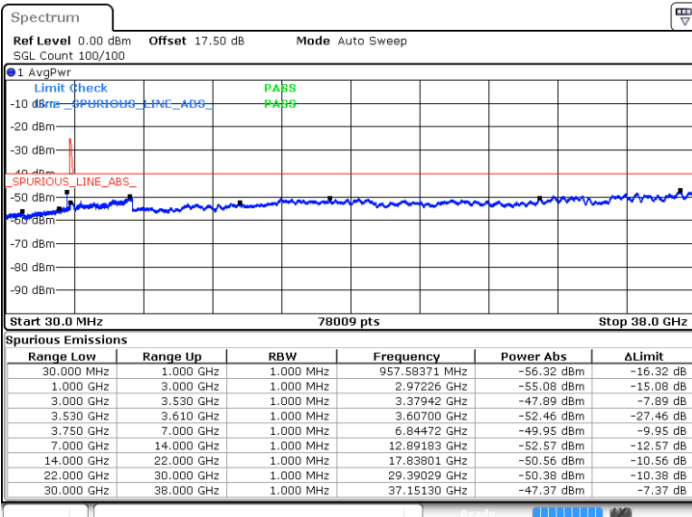


Date: 19 FEB 2020 10:45:50

Date: 19 FEB 2020 10:44:38

Highest Channel / FullRB

N/A



Date: 19 FEB 2020 10:51:55

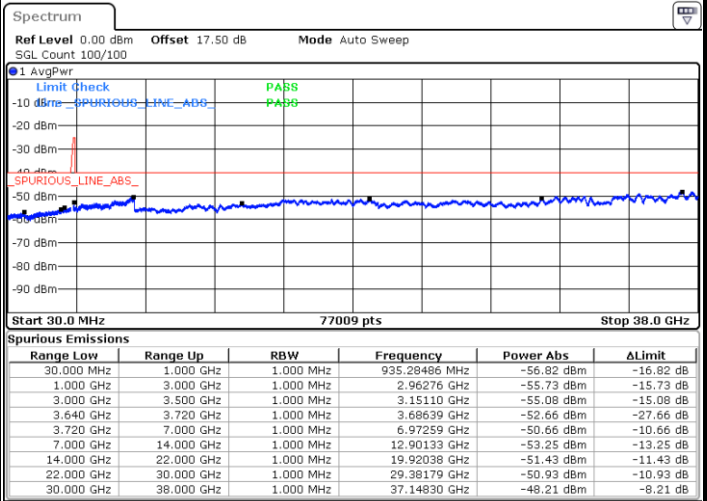
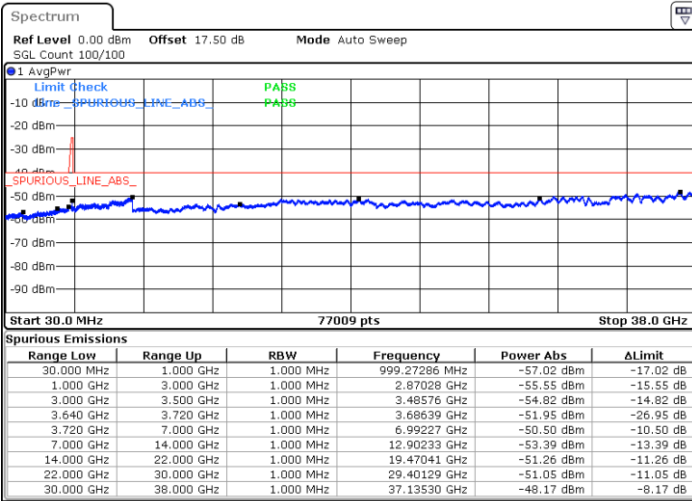


LTE Band 48C / 15MHz+20MHz

64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0

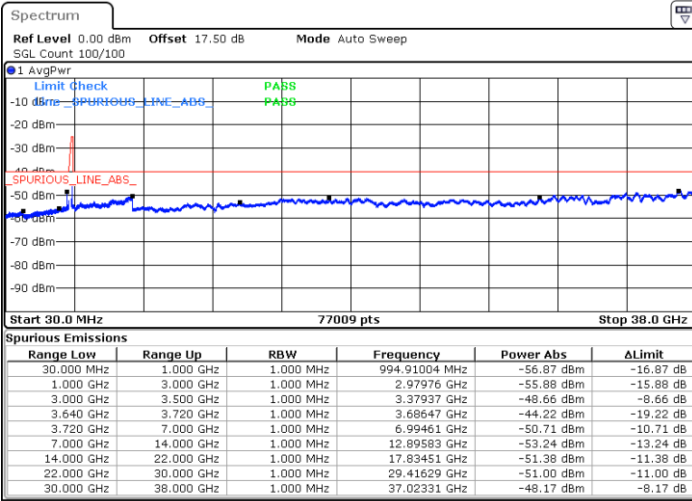


Date: 10.FEB.2020 21:10:52

Date: 10.FEB.2020 21:04:51

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2020 21:12:04

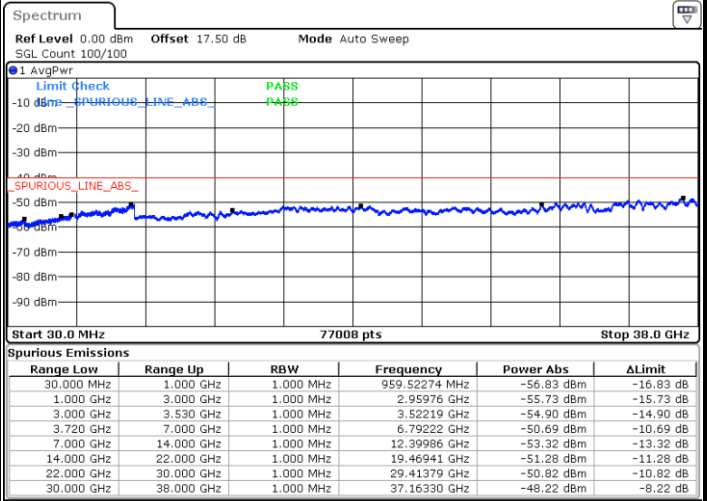
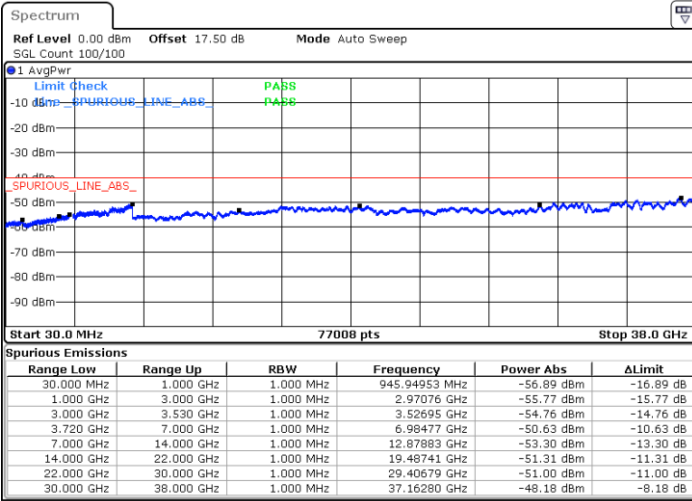


LTE Band 48C / 15MHz+20MHz

64QAM

Middle Channel / 1RB0 and 1RB9

Middle Channel / 1RB74 and 1RB0

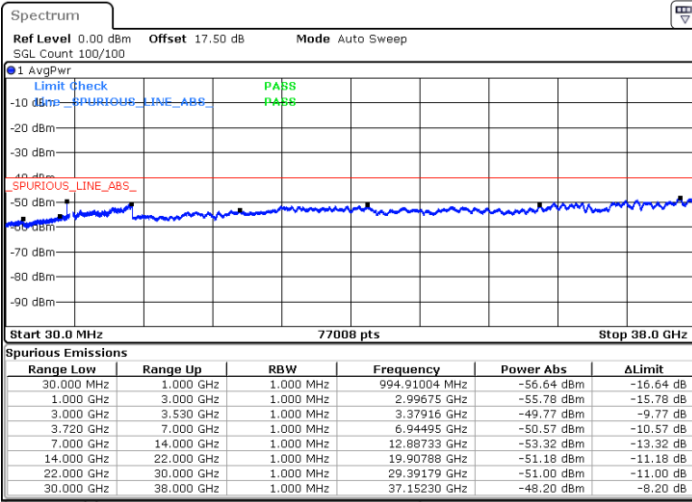


Date: 10.FEB.2020 21:52:44

Date: 10.FEB.2020 21:58:44

Middle Channel / FullRB

N/A



Date: 10.FEB.2020 21:51:31

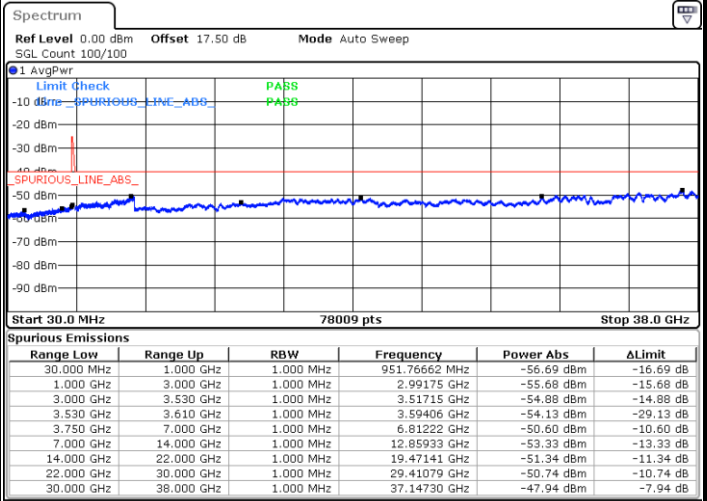
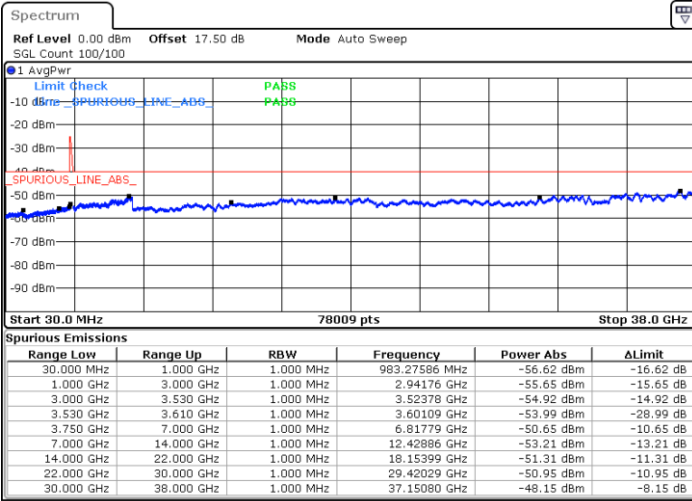


LTE Band 48C / 15MHz+20MHz

64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0

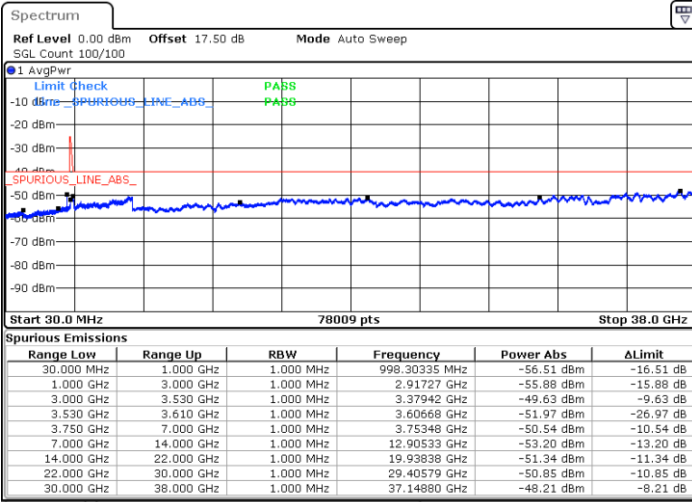


Date: 10.FEB.2020 22:42:48

Date: 10.FEB.2020 22:41:36

Highest Channel / FullIRB

N/A



Date: 10.FEB.2020 22:48:48

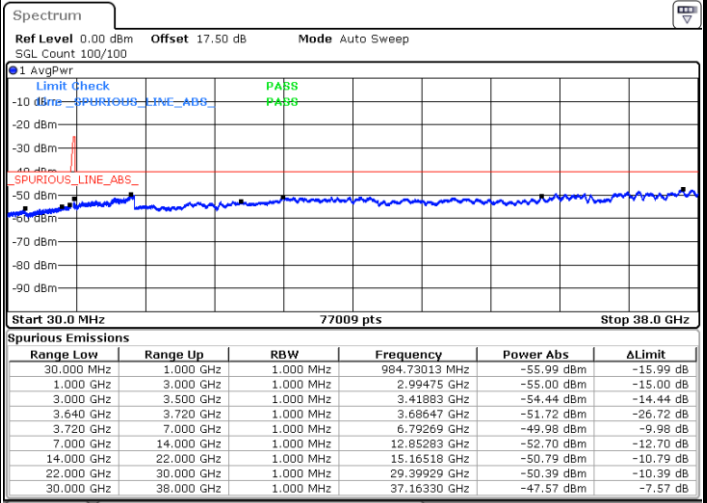
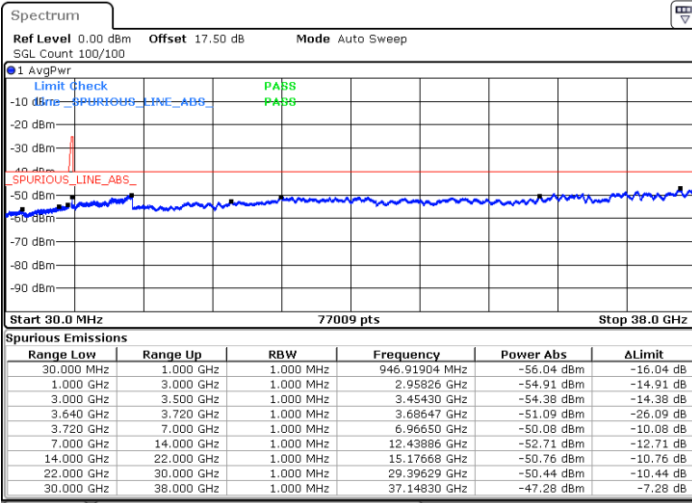


LTE Band 48C / 20MHz+5MHz

64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0

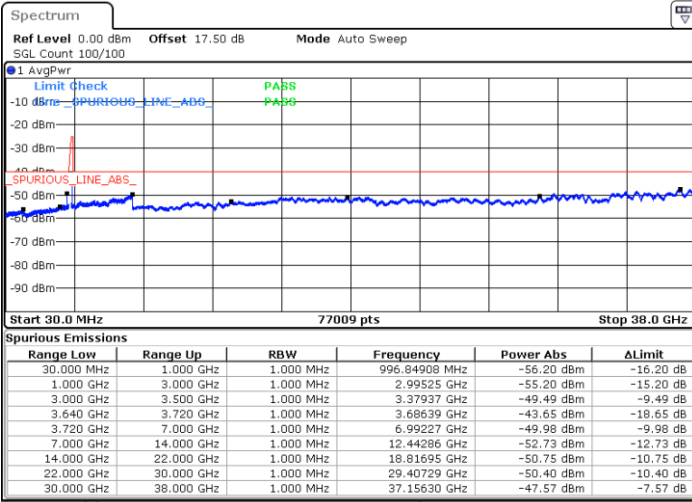


Date: 19 FEB 2020 11:34:55

Date: 19 FEB 2020 11:28:51

Lowest Channel / FullIRB

N/A



Date: 19 FEB 2020 11:36:08

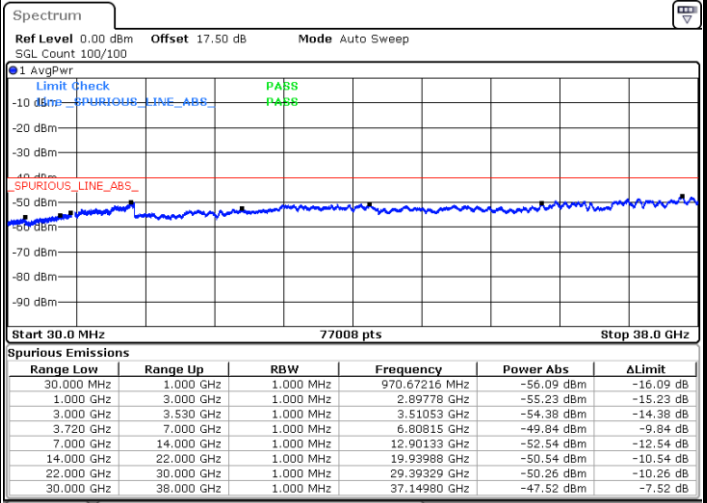
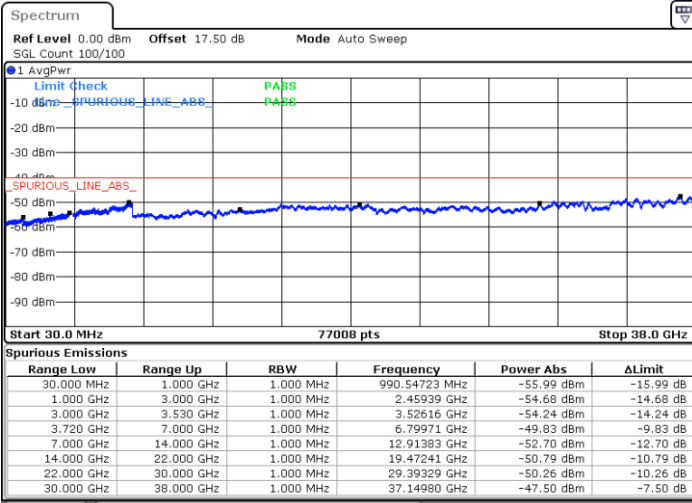


LTE Band 48C / 20MHz+5MHz

64QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB99 and 1RB0

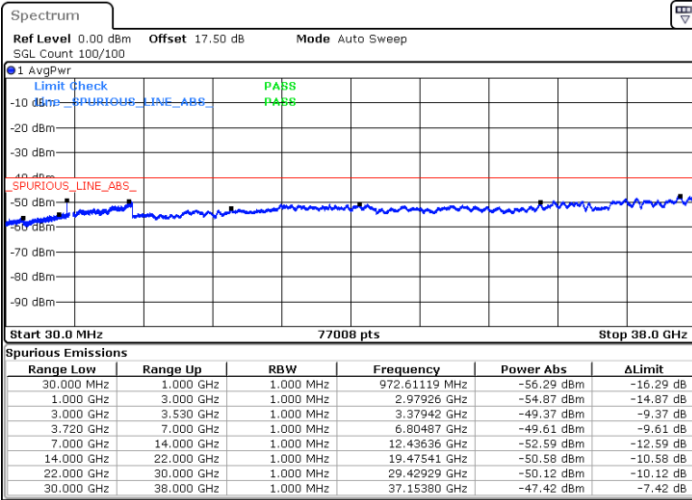


Date: 19 FEB 2020 14:03:51

Date: 19 FEB 2020 14:09:54

Middle Channel / FullRB

N/A



Date: 19 FEB 2020 14:02:38

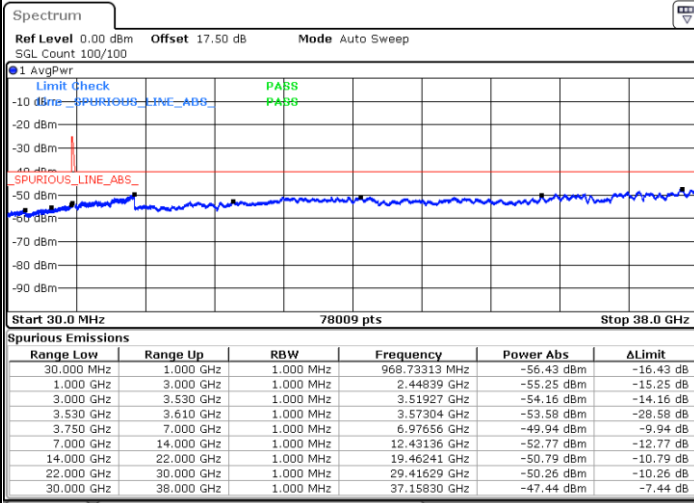


LTE Band 48C / 20MHz+5MHz

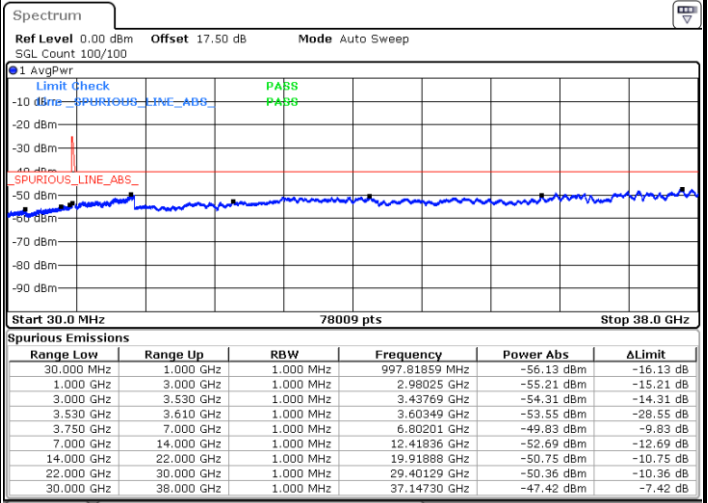
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0



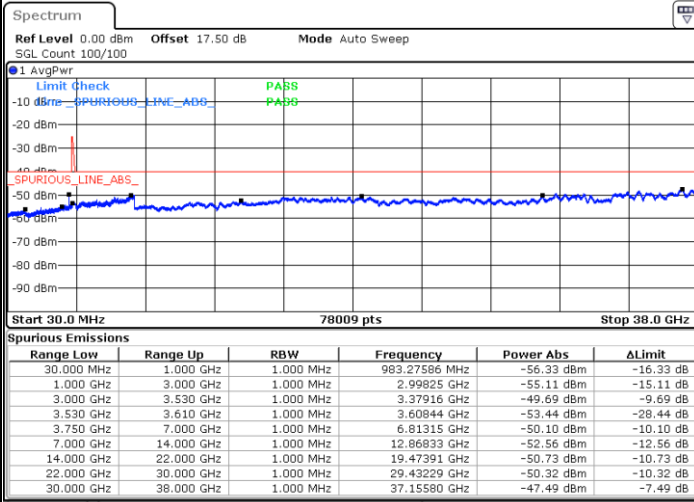
Date: 19 FEB 2020 14:52:33



Date: 19 FEB 2020 14:51:22

Highest Channel / FullRB

N/A



Date: 19 FEB 2020 14:58:38

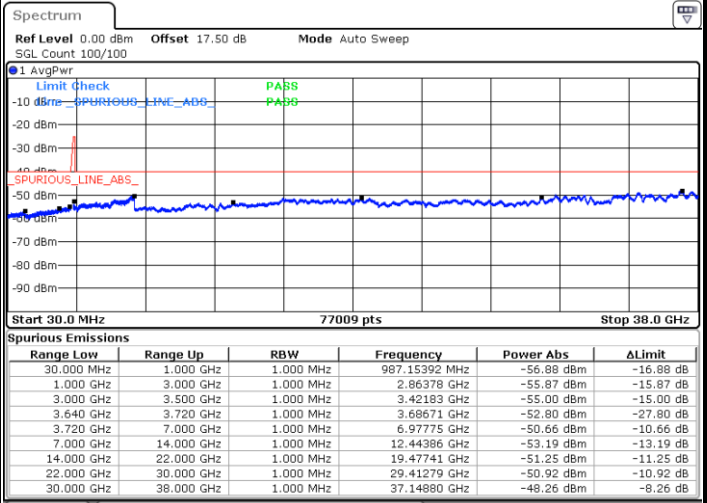
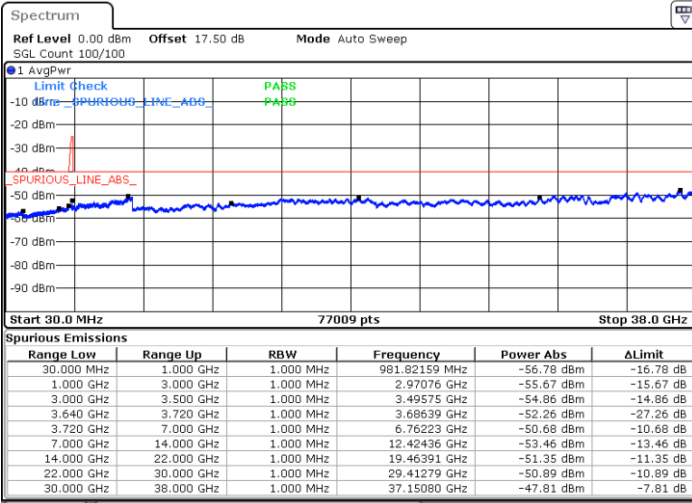


LTE Band 48C / 20MHz+10MHz

64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0

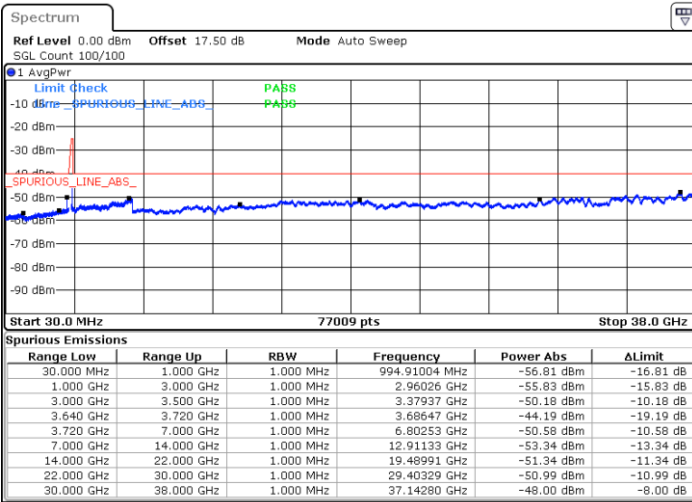


Date: 10.FEB.2020 18:05:26

Date: 10.FEB.2020 17:59:26

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2020 18:06:39

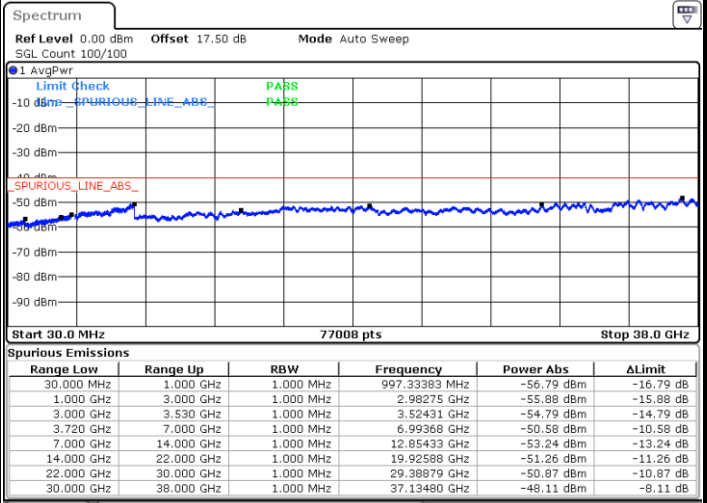
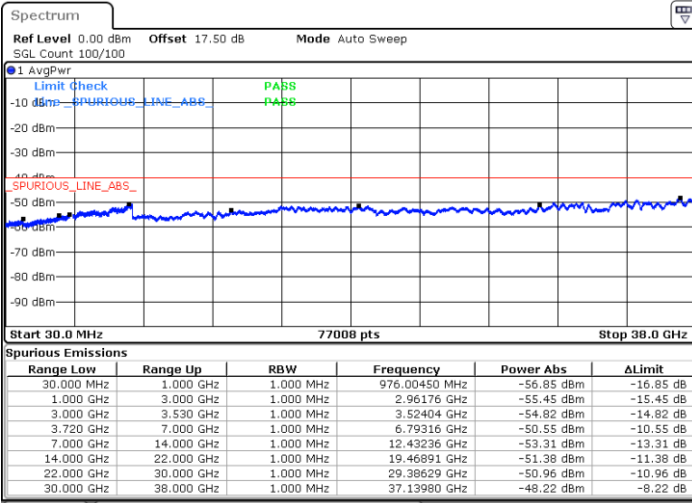


LTE Band 48C / 20MHz+10MHz

64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0

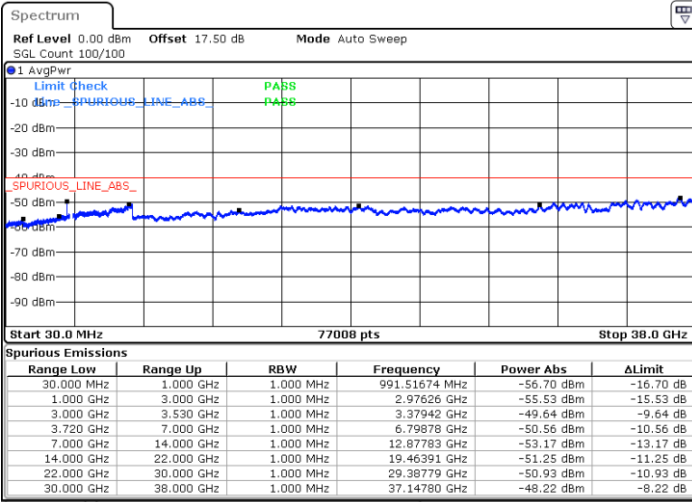


Date: 10.FEB.2020 18:54:04

Date: 10.FEB.2020 19:00:05

Middle Channel / FullRB

N/A



Date: 10.FEB.2020 18:52:52

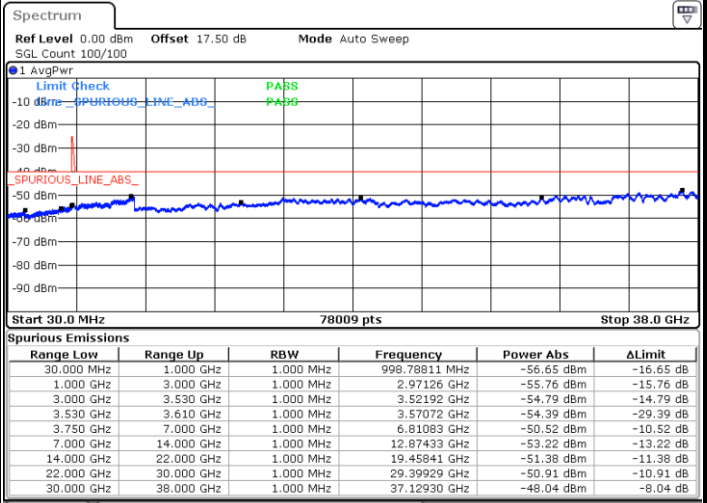
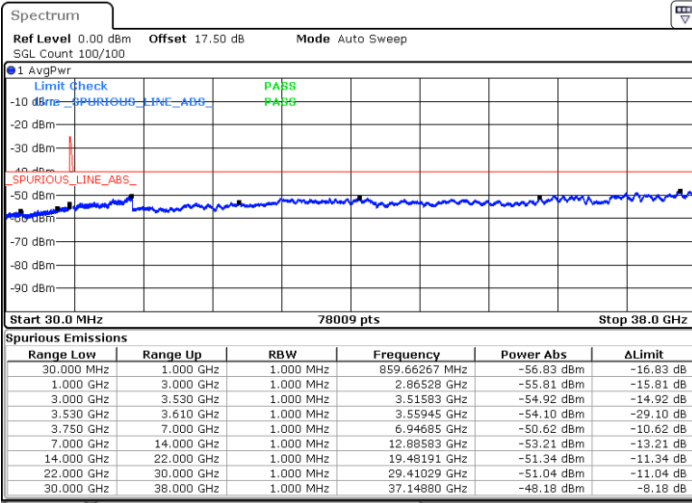


LTE Band 48C / 20MHz+10MHz

64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0

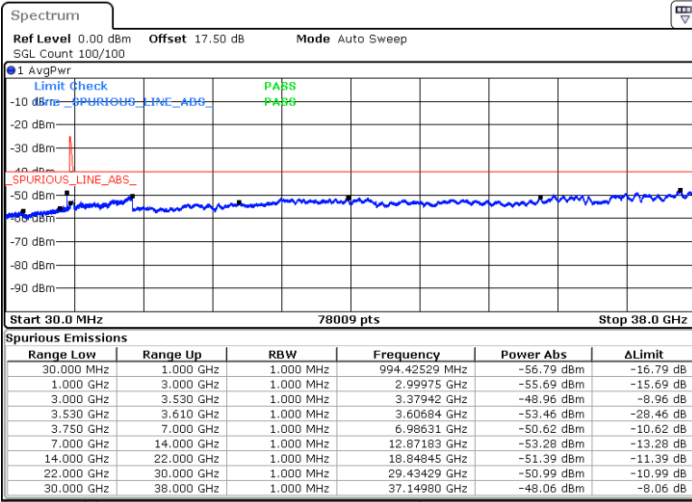


Date: 10.FEB.2020 19:40:19

Date: 10.FEB.2020 19:39:07

Highest Channel / FullIRB

N/A



Date: 10.FEB.2020 19:46:19

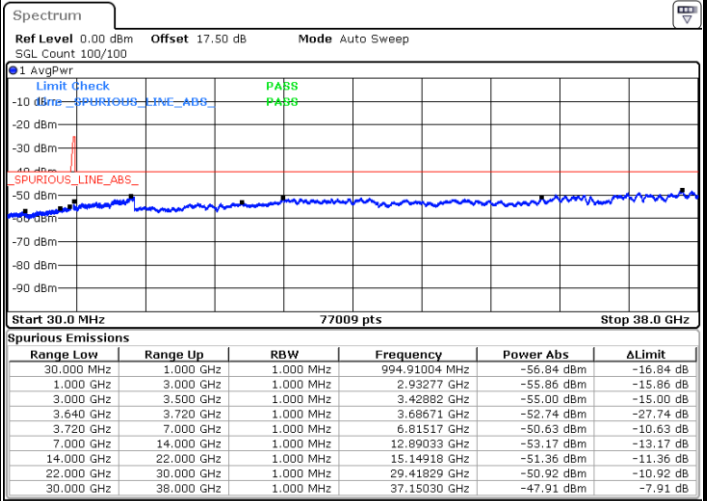
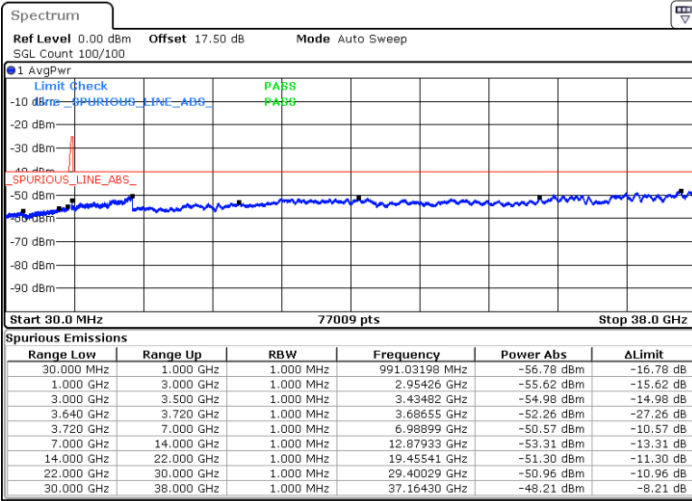


LTE Band 48C / 20MHz+15MHz

64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0

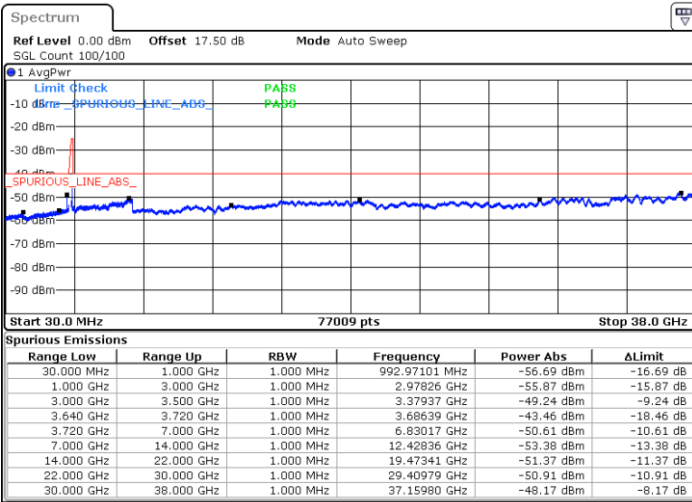


Date: 10.FEB.2020 15:16:15

Date: 10.FEB.2020 15:10:15

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2020 15:17:28

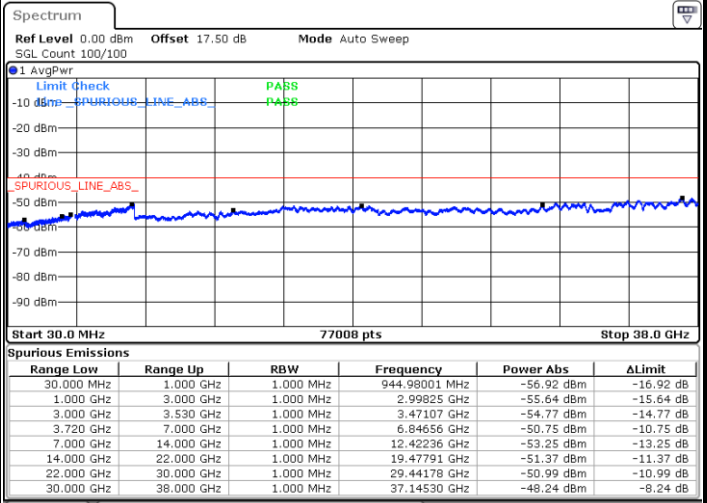
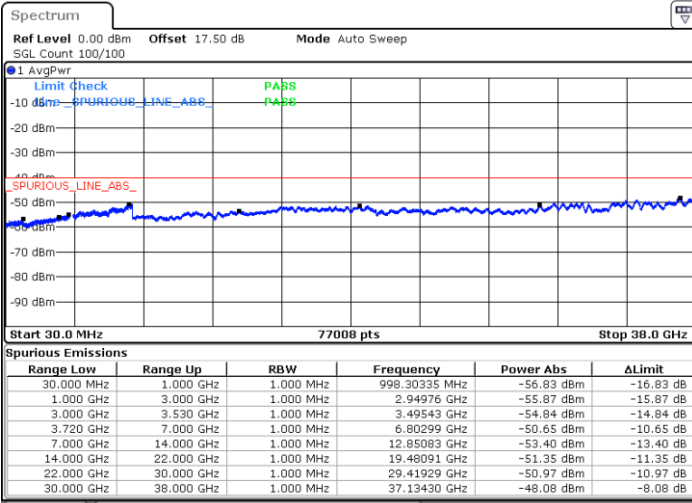


LTE Band 48C / 20MHz+15MHz

64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0

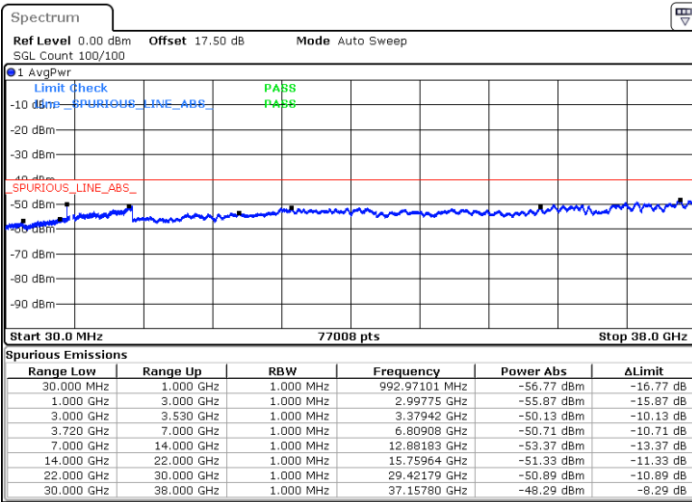


Date: 10.FEB.2020 16:17:07

Date: 10.FEB.2020 16:23:08

Middle Channel / FullRB

N/A



Date: 10.FEB.2020 16:15:55

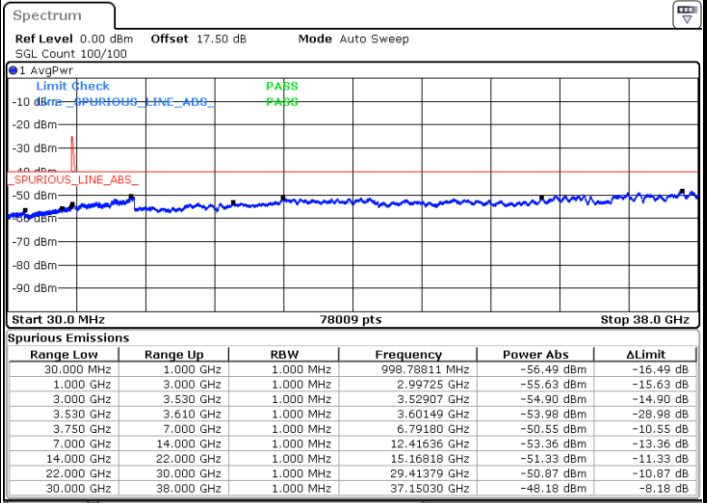
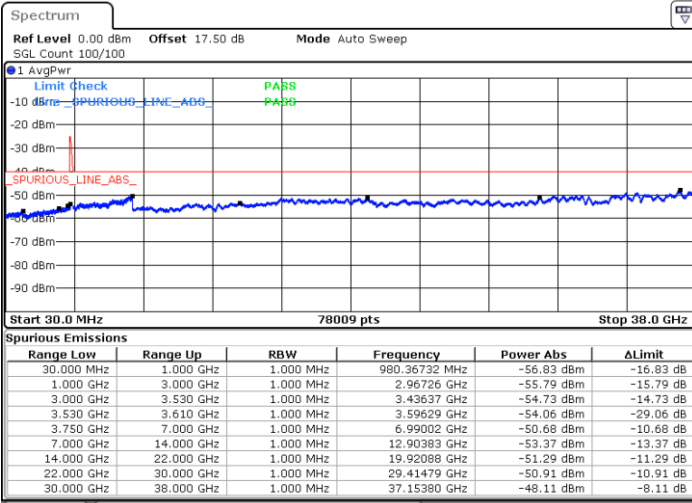


LTE Band 48C / 20MHz+15MHz

64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0

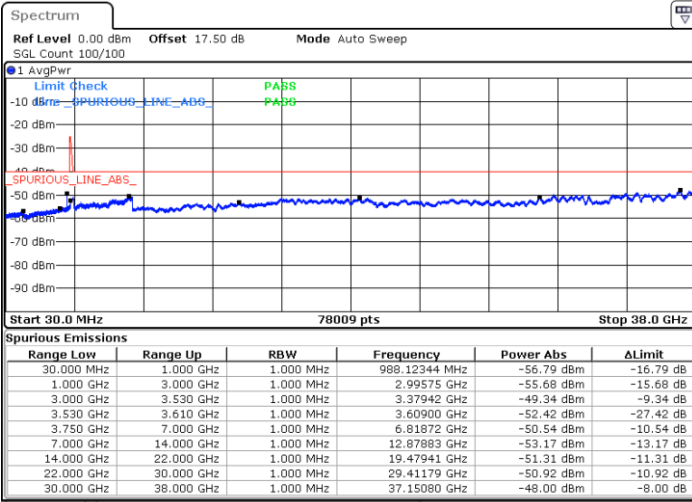


Date: 10.FEB.2020 17:13:18

Date: 10.FEB.2020 17:12:06

Highest Channel / FullIRB

N/A



Date: 10.FEB.2020 17:19:16

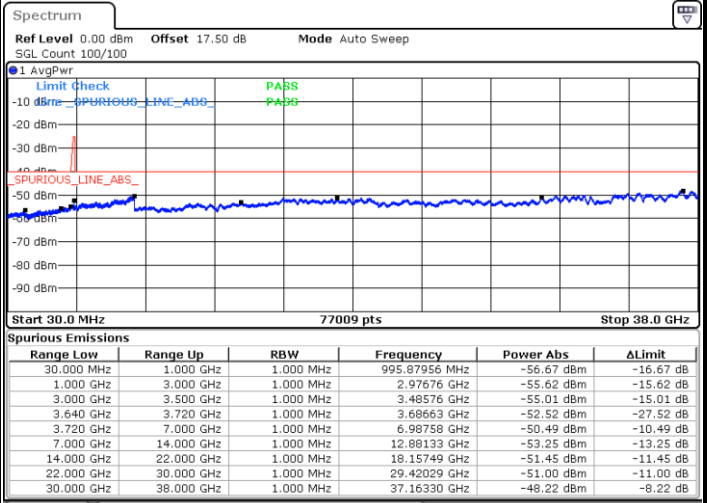
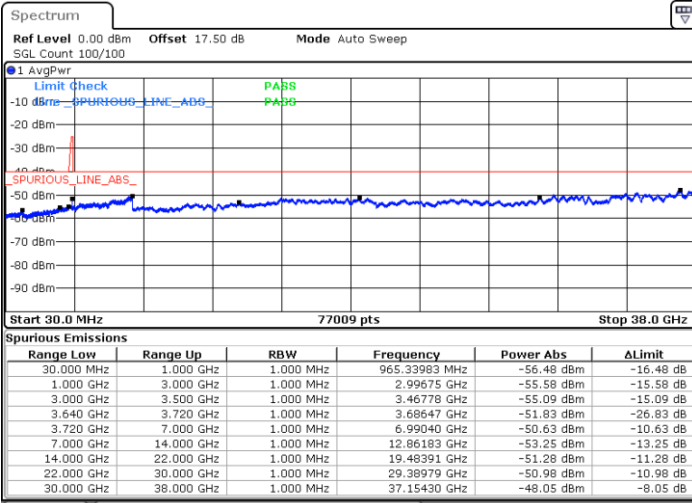


LTE Band 48C / 20MHz+20MHz

64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

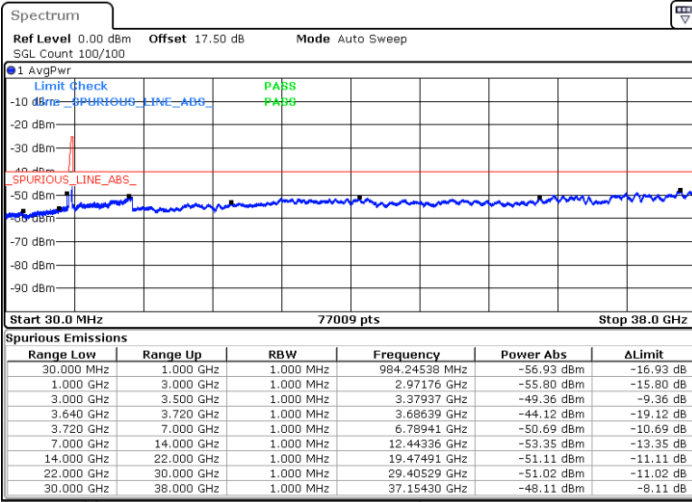


Date: 10.FEB.2020 10:35:57

Date: 10.FEB.2020 10:29:54

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2020 10:37:11

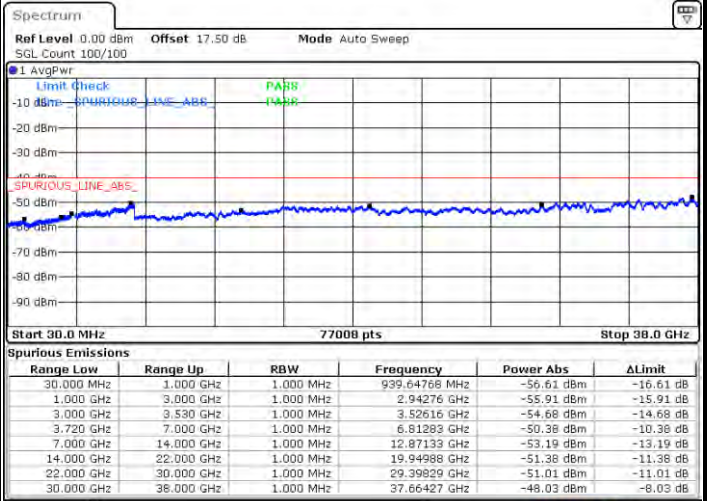
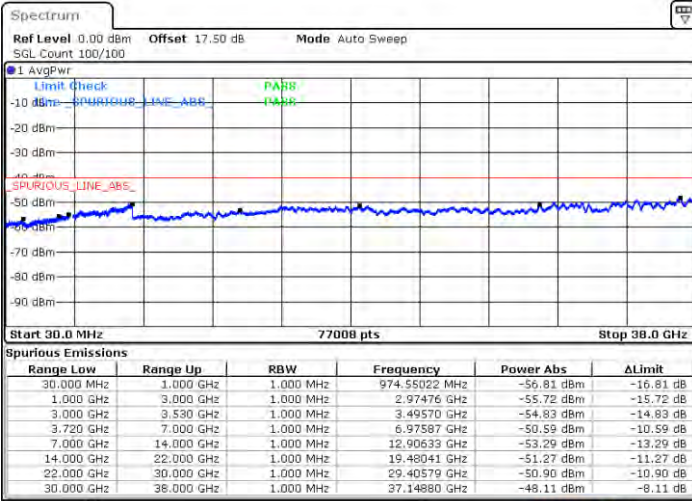


LTE Band 48C / 20MHz+20MHz

64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

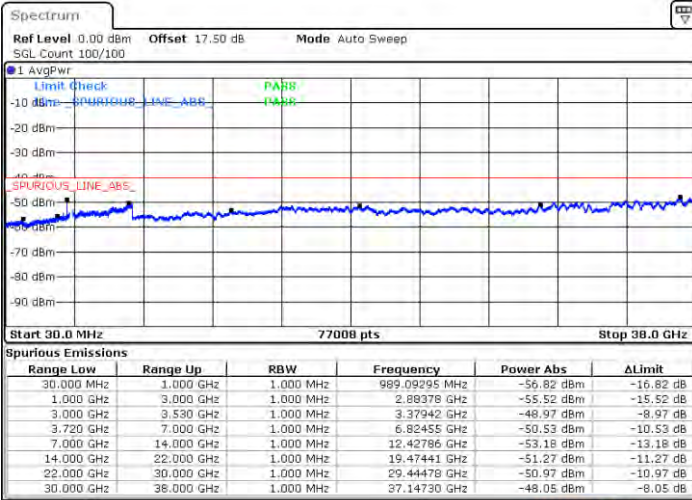


Date: 10.FEB.2020 11:24:29

Date: 10.FEB.2020 11:30:33

Middle Channel / FullIRB

N/A



Date: 10.FEB.2020 11:23:16

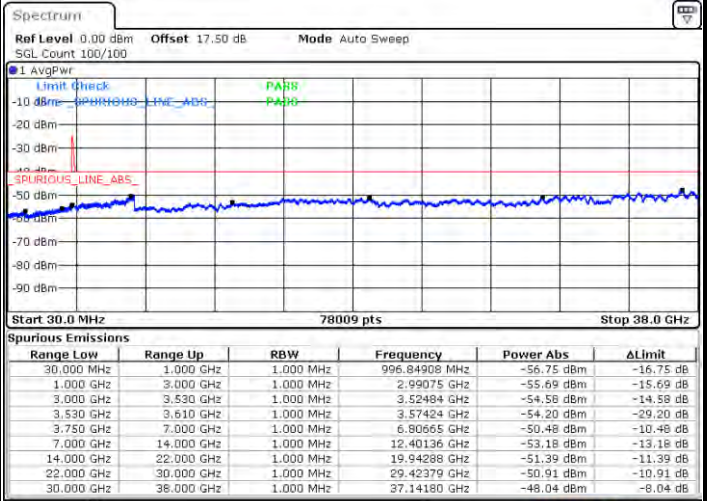
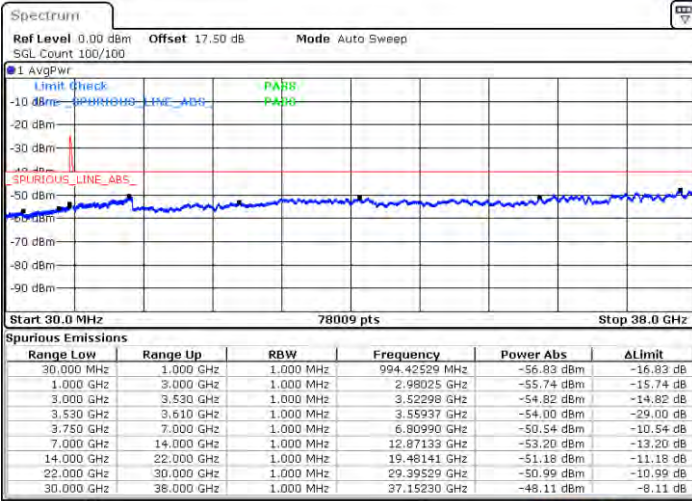


LTE Band 48C / 20MHz+20MHz

64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0

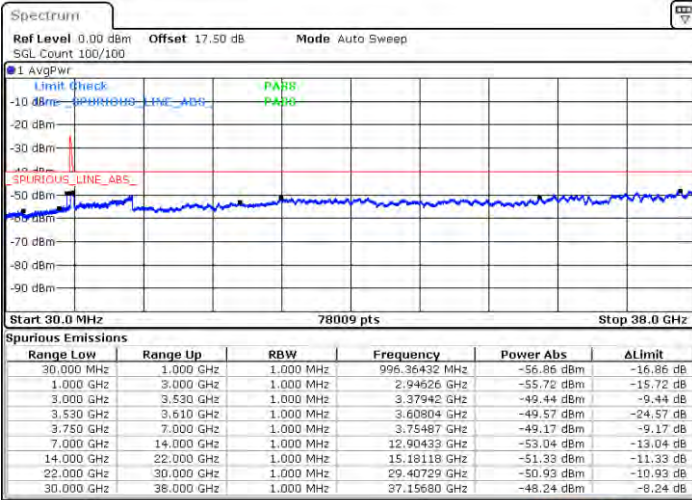


Date: 10 FEB.2020 13:52:37

Date: 10 FEB.2020 13:51:26

Highest Channel / FullIRB

N/A



Date: 10 FEB.2020 13:58:38



Appendix B. Test Results of EIRP and Radiated Test

EIRP

< For Lower Antenna >

< Reporting Only >

LTE Band 48 / 5MHz (Average) (GT - LC = -7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	25.26	0.3357	18.26	0.0670
Middle		1	12	24.86	0.3062	17.86	0.0611
Highest		1	12	24.09	0.2564	17.09	0.0512
Lowest	16QAM	1	12	24.44	0.2780	17.44	0.0555
Middle		1	12	24.01	0.2518	17.01	0.0502
Highest		1	12	23.29	0.2133	16.29	0.0426
Lowest	64QAM	1	12	23.13	0.2056	16.13	0.0410
Middle		1	12	22.72	0.1871	15.72	0.0373
Highest		1	12	21.99	0.1581	14.99	0.0316

LTE Band 48 / 10MHz (Average) (GT - LC = -7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	25.35	0.3428	18.35	0.0684
Middle		1	0	24.87	0.3069	17.87	0.0612
Highest		1	0	24.22	0.2642	17.22	0.0527
Lowest	16QAM	1	0	24.69	0.2944	17.69	0.0587
Middle		1	0	24.28	0.2679	17.28	0.0535
Highest		1	0	23.55	0.2265	16.55	0.0452
Lowest	64QAM	1	0	23.55	0.2265	16.55	0.0452
Middle		1	0	23.24	0.2109	16.24	0.0421
Highest		1	0	22.48	0.1770	15.48	0.0353

LTE Band 48 / 15MHz (Average) (GT - LC = -7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	25.49	0.3540	18.49	0.0706
Middle		1	0	25.09	0.3228	18.09	0.0644
Highest		1	0	24.49	0.2812	17.49	0.0561
Lowest	16QAM	1	0	24.62	0.2897	17.62	0.0578
Middle		1	0	24.23	0.2649	17.23	0.0528
Highest		1	0	23.60	0.2291	16.60	0.0457
Lowest	64QAM	1	37	23.16	0.2070	16.16	0.0413
Middle		1	37	22.84	0.1923	15.84	0.0384
Highest		1	37	22.14	0.1637	15.14	0.0327



LTE Band 48 / 20MHz (Average) (GT - LC = -7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	25.50	0.3548	18.50	0.0708
Middle		1	0	25.10	0.3236	18.10	0.0646
Highest		1	0	24.53	0.2838	17.53	0.0566
Lowest	16QAM	1	0	24.64	0.2911	17.64	0.0581
Middle		1	0	24.21	0.2636	17.21	0.0526
Highest		1	0	23.66	0.2323	16.66	0.0463
Lowest	64QAM	1	49	23.21	0.2094	16.21	0.0418
Middle		1	49	22.79	0.1901	15.79	0.0379
Highest		1	49	22.15	0.1641	15.15	0.0327



EIRP Power

< For Lower Antenna >

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	25.26	24.44	23.13
Middle CH	-	-	-	-	-	-	24.86	24.01	22.72
Highest CH	-	-	-	-	-	-	24.09	23.29	21.99

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	25.35	24.69	23.55	25.49	24.62	23.16	25.50	24.64	23.21
Middle CH	24.87	24.28	23.24	25.09	24.23	22.84	25.10	24.21	22.79
Highest CH	24.22	23.55	22.48	24.49	23.60	22.14	24.53	23.66	22.15

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	18.26	17.44	16.13
Middle CH	-	-	-	-	-	-	17.86	17.01	15.72
Highest CH	-	-	-	-	-	-	17.09	16.29	14.99

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	18.35	17.69	16.55	18.49	17.62	16.16	18.50	17.64	16.21
Middle CH	17.87	17.28	16.24	18.09	17.23	15.84	18.10	17.21	15.79
Highest CH	17.22	16.55	15.48	17.49	16.60	15.14	17.53	16.66	15.15
Antenna Gain	-7 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



EIRP

< For Upper Antenna >
< Reporting Only >

LTE Band 48 / 5MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.81	0.1910	21.81	0.1517
Middle		1	12	23.04	0.2014	22.04	0.1600
Highest		1	12	22.65	0.1841	21.65	0.1462
Lowest	16QAM	1	12	21.98	0.1578	20.98	0.1253
Middle		1	12	22.19	0.1656	21.19	0.1315
Highest		1	12	21.85	0.1531	20.85	0.1216
Lowest	64QAM	1	12	20.67	0.1167	19.67	0.0927
Middle		1	12	20.92	0.1236	19.92	0.0982
Highest		1	12	20.55	0.1135	19.55	0.0902

LTE Band 48 / 10MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.65	0.1841	21.65	0.1462
Middle		1	0	22.87	0.1936	21.87	0.1538
Highest		1	0	22.67	0.1849	21.67	0.1469
Lowest	16QAM	1	0	22.06	0.1607	21.06	0.1276
Middle		1	0	22.29	0.1694	21.29	0.1346
Highest		1	0	21.98	0.1578	20.98	0.1253
Lowest	64QAM	1	25	21.00	0.1259	20.00	0.1000
Middle		1	25	21.21	0.1321	20.21	0.1050
Highest		1	25	20.84	0.1213	19.84	0.0964

LTE Band 48 / 15MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.81	0.1910	21.81	0.1517
Middle		1	0	22.97	0.1982	21.97	0.1574
Highest		1	0	22.77	0.1892	21.77	0.1503
Lowest	16QAM	1	0	21.94	0.1563	20.94	0.1242
Middle		1	0	22.11	0.1626	21.11	0.1291
Highest		1	0	21.89	0.1545	20.89	0.1227
Lowest	64QAM	1	0	20.67	0.1167	19.67	0.0927
Middle		1	0	20.86	0.1219	19.86	0.0968
Highest		1	0	20.62	0.1153	19.62	0.0916



LTE Band 48 / 20MHz (Average) (GT - LC = -1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.97	0.1982	21.97	0.1574
Middle		1	0	22.95	0.1972	21.95	0.1567
Highest		1	0	22.95	0.1972	21.95	0.1567
Lowest	16QAM	1	0	22.07	0.1611	21.07	0.1279
Middle		1	0	22.12	0.1629	21.12	0.1294
Highest		1	0	22.12	0.1629	21.12	0.1294
Lowest	64QAM	1	0	20.82	0.1208	19.82	0.0959
Middle		1	0	20.83	0.1211	19.83	0.0962
Highest		1	0	20.88	0.1225	19.88	0.0973



EIRP Power

< For Upper Antenna >

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	22.81	21.98	20.67
Middle CH	-	-	-	-	-	-	23.04	22.19	20.92
Highest CH	-	-	-	-	-	-	22.65	21.85	20.55

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	22.65	22.06	21.00	22.81	21.94	20.67	22.97	22.07	20.82
Middle CH	22.87	22.29	21.21	22.97	22.11	20.86	22.95	22.12	20.83
Highest CH	22.67	21.98	20.84	22.77	21.89	20.62	22.95	22.12	20.88

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	21.81	20.98	19.67
Middle CH	-	-	-	-	-	-	22.04	21.19	19.92
Highest CH	-	-	-	-	-	-	21.65	20.85	19.55

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	21.65	21.06	20.00	21.81	20.94	19.67	21.97	21.07	19.82
Middle CH	21.87	21.29	20.21	21.97	21.11	19.86	21.95	21.12	19.83
Highest CH	21.67	20.98	19.84	21.77	20.89	19.62	21.95	21.12	19.88
Antenna Gain	-1 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



EIRP

<For Lower Antenna>
<Reporting Only>

LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	0	1	0	15.96	0.0394	8.96	0.0079
Middle		1	0	1	0	15.64	0.0366	8.64	0.0073
Highest		1	0	1	0	15.22	0.0333	8.22	0.0066
Lowest	16QAM	1	0	1	0	16.66	0.0463	9.66	0.0092
Middle		1	0	1	0	16.33	0.0430	9.33	0.0086
Highest		1	0	1	0	15.88	0.0387	8.88	0.0077
Lowest	64QAM	1	0	1	0	17.64	0.0581	10.64	0.0116
Middle		1	0	1	0	17.38	0.0547	10.38	0.0109
Highest		1	0	1	0	16.92	0.0492	9.92	0.0098
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	75	0	15.97	0.0395	8.97	0.0079
Middle		100	0	75	0	15.58	0.0361	8.58	0.0072
Highest		100	0	75	0	15.24	0.0334	8.24	0.0067
Lowest	16QAM	100	0	75	0	16.69	0.0467	9.69	0.0093
Middle		100	0	75	0	16.29	0.0426	9.29	0.0085
Highest		100	0	75	0	15.92	0.0391	8.92	0.0078
Lowest	64QAM	100	0	75	0	17.65	0.0582	10.65	0.0116
Middle		100	0	75	0	17.33	0.0541	10.33	0.0108
Highest		100	0	75	0	16.91	0.0491	9.91	0.0098
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	75	0	100	0	15.99	0.0397	8.99	0.0079
Middle		75	0	100	0	15.57	0.0361	8.57	0.0072
Highest		75	0	100	0	15.32	0.0340	8.32	0.0068
Lowest	16QAM	75	0	100	0	16.73	0.0471	9.73	0.0094
Middle		75	0	100	0	16.35	0.0432	9.35	0.0086
Highest		75	0	100	0	16.01	0.0399	9.01	0.0080
Lowest	64QAM	75	0	100	0	17.61	0.0577	10.61	0.0115
Middle		75	0	100	0	17.26	0.0532	10.26	0.0106
Highest		75	0	100	0	16.87	0.0486	9.87	0.0097
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	50	0	16.01	0.0399	9.01	0.0080
Middle		100	0	50	0	15.48	0.0353	8.48	0.0070
Highest		100	0	50	0	15.22	0.0333	8.22	0.0066
Lowest	16QAM	100	0	50	0	16.75	0.0473	9.75	0.0094
Middle		100	0	50	0	16.26	0.0423	9.26	0.0084
Highest		100	0	50	0	15.93	0.0392	8.93	0.0078
Lowest	64QAM	100	0	50	0	17.69	0.0587	10.69	0.0117
Middle		100	0	50	0	17.30	0.0537	10.30	0.0107
Highest		100	0	50	0	16.85	0.0484	9.85	0.0097
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	50	0	100	0	16.06	0.0404	9.06	0.0081
Middle		50	0	100	0	15.55	0.0359	8.55	0.0072
Highest		50	0	100	0	15.28	0.0337	8.28	0.0067
Lowest	16QAM	50	0	100	0	16.72	0.0470	9.72	0.0094
Middle		50	0	100	0	16.28	0.0425	9.28	0.0085
Highest		50	0	100	0	15.97	0.0395	8.97	0.0079
Lowest	64QAM	50	0	100	0	17.71	0.0590	10.71	0.0118
Middle		50	0	100	0	17.43	0.0553	10.43	0.0110
Highest		50	0	100	0	16.97	0.0498	9.97	0.0099
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	25	0	16.04	0.0402	9.04	0.0080
Middle		100	0	25	0	15.64	0.0366	8.64	0.0073
Highest		100	0	25	0	15.16	0.0328	8.16	0.0065
Lowest	16QAM	100	0	25	0	16.69	0.0467	9.69	0.0093
Middle		100	0	25	0	16.30	0.0427	9.30	0.0085
Highest		100	0	25	0	15.88	0.0387	8.88	0.0077
Lowest	64QAM	100	0	25	0	17.68	0.0586	10.68	0.0117
Middle		100	0	25	0	17.28	0.0535	10.28	0.0107
Highest		100	0	25	0	16.92	0.0492	9.92	0.0098
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -7 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	25	0	100	0	17.11	0.0514	10.11	0.0103
Middle		25	0	100	0	16.71	0.0469	9.71	0.0094
Highest		25	0	100	0	16.29	0.0426	9.29	0.0085
Lowest	16QAM	25	0	100	0	17.75	0.0596	10.75	0.0119
Middle		25	0	100	0	17.34	0.0542	10.34	0.0108
Highest		25	0	100	0	16.91	0.0491	9.91	0.0098
Lowest	64QAM	25	0	100	0	18.77	0.0753	11.77	0.0150
Middle		25	0	100	0	18.36	0.0685	11.36	0.0137
Highest		25	0	100	0	17.94	0.0622	10.94	0.0124
Limit	EIRP < 0.2W					Result		PASS	



EIRP Power Density

<For Lower Antenna>

LTE CA 48C / Conducted Power (dBm/10MHz)									
BW	25MHz			30MHz			35MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	17.11	17.75	18.77	16.06	16.75	17.71	15.99	16.73	17.65
Middle CH	16.71	17.34	18.36	15.55	16.28	17.43	15.58	16.35	17.33
Highest CH	16.29	16.91	17.94	15.28	15.97	16.97	15.32	16.01	16.91
LTE CA 48C / Conducted Power (dBm/10MHz)									
BW	40MHz			-			-		
Mod.	QPSK	16QAM	64QAM	-	-	-	-	-	-
Lowest CH	15.96	16.66	17.64	-	-	-	-	-	-
Middle CH	15.64	16.33	17.38	-	-	-	-	-	-
Highest CH	15.22	15.88	16.92	-	-	-	-	-	-

LTE CA 48C / EIRP Power (dBm/10MHz)									
BW	25MHz			30MHz			35MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	10.11	10.75	11.77	9.06	9.75	10.71	8.99	9.73	10.65
Middle CH	9.71	10.34	11.36	8.55	9.28	10.43	8.58	9.35	10.33
Highest CH	9.29	9.91	10.94	8.28	8.97	9.97	8.32	9.01	9.91
LTE CA 48C / EIRP Power (dBm/10MHz)									
BW	40MHz			-			-		
Mod.	QPSK	16QAM	64QAM	-	-	-	-	-	-
Lowest CH	8.96	9.66	10.64	-	-	-	-	-	-
Middle CH	8.64	9.33	10.38	-	-	-	-	-	-
Highest CH	8.22	8.88	9.92	-	-	-	-	-	-
Antenna Gain	-1 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



EIRP

<For Upper Antenna>
<Reporting Only>

LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	1	0	1	0	13.59	0.0229	12.59	0.0182
Middle		1	0	1	0	13.58	0.0228	12.58	0.0181
Highest		1	0	1	0	13.41	0.0219	12.41	0.0174
Lowest	16QAM	1	0	1	0	14.31	0.0270	13.31	0.0214
Middle		1	0	1	0	14.28	0.0268	13.28	0.0213
Highest		1	0	1	0	14.08	0.0256	13.08	0.0203
Lowest	64QAM	1	0	1	0	15.28	0.0337	14.28	0.0268
Middle		1	0	1	0	15.26	0.0336	14.26	0.0267
Highest		1	0	1	0	15.07	0.0321	14.07	0.0255
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	75	0	13.68	0.0233	12.68	0.0185
Middle		100	0	75	0	13.54	0.0226	12.54	0.0179
Highest		100	0	75	0	13.44	0.0221	12.44	0.0175
Lowest	16QAM	100	0	75	0	14.35	0.0272	13.35	0.0216
Middle		100	0	75	0	14.24	0.0265	13.24	0.0211
Highest		100	0	75	0	14.11	0.0258	13.11	0.0205
Lowest	64QAM	100	0	75	0	15.34	0.0342	14.34	0.0272
Middle		100	0	75	0	15.29	0.0338	14.29	0.0269
Highest		100	0	75	0	15.15	0.0327	14.15	0.0260
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	75	0	100	0	13.71	0.0235	12.71	0.0187
Middle		75	0	100	0	13.47	0.0222	12.47	0.0177
Highest		75	0	100	0	13.48	0.0223	12.48	0.0177
Lowest	16QAM	75	0	100	0	14.34	0.0272	13.34	0.0216
Middle		75	0	100	0	14.16	0.0261	13.16	0.0207
Highest		75	0	100	0	14.18	0.0262	13.18	0.0208
Lowest	64QAM	75	0	100	0	15.42	0.0348	14.42	0.0277
Middle		75	0	100	0	15.24	0.0334	14.24	0.0265
Highest		75	0	100	0	15.15	0.0327	14.15	0.0260
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	50	0	13.74	0.0237	12.74	0.0188
Middle		100	0	50	0	13.61	0.0230	12.61	0.0182
Highest		100	0	50	0	13.45	0.0221	12.45	0.0176
Lowest	16QAM	100	0	50	0	14.25	0.0266	13.25	0.0211
Middle		100	0	50	0	14.16	0.0261	13.16	0.0207
Highest		100	0	50	0	14.20	0.0263	13.20	0.0209
Lowest	64QAM	100	0	50	0	15.45	0.0351	14.45	0.0279
Middle		100	0	50	0	15.28	0.0337	14.28	0.0268
Highest		100	0	50	0	15.19	0.0330	14.19	0.0262
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	50	0	100	0	13.76	0.0238	12.76	0.0189
Middle		50	0	100	0	13.56	0.0227	12.56	0.0180
Highest		50	0	100	0	13.34	0.0216	12.34	0.0171
Lowest	16QAM	50	0	100	0	14.44	0.0278	13.44	0.0221
Middle		50	0	100	0	14.22	0.0264	13.22	0.0210
Highest		50	0	100	0	14.11	0.0258	13.11	0.0205
Lowest	64QAM	50	0	100	0	15.49	0.0354	14.49	0.0281
Middle		50	0	100	0	15.39	0.0346	14.39	0.0275
Highest		50	0	100	0	15.05	0.0320	14.05	0.0254
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	25	0	13.71	0.0235	12.71	0.0187
Middle		100	0	25	0	13.60	0.0229	12.60	0.0182
Highest		100	0	25	0	13.53	0.0225	12.53	0.0179
Lowest	16QAM	100	0	25	0	14.30	0.0269	13.30	0.0214
Middle		100	0	25	0	14.34	0.0272	13.34	0.0216
Highest		100	0	25	0	14.03	0.0253	13.03	0.0201
Lowest	64QAM	100	0	25	0	15.36	0.0344	14.36	0.0273
Middle		100	0	25	0	15.32	0.0340	14.32	0.0270
Highest		100	0	25	0	15.09	0.0323	14.09	0.0256
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -1 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	25	0	100	0	14.81	0.0303	13.81	0.0240
Middle		25	0	100	0	14.57	0.0286	13.57	0.0228
Highest		25	0	100	0	14.41	0.0276	13.41	0.0219
Lowest	16QAM	25	0	100	0	15.46	0.0352	14.46	0.0279
Middle		25	0	100	0	15.21	0.0332	14.21	0.0264
Highest		25	0	100	0	15.04	0.0319	14.04	0.0254
Lowest	64QAM	25	0	100	0	16.48	0.0445	15.48	0.0353
Middle		25	0	100	0	16.22	0.0419	15.22	0.0333
Highest		25	0	100	0	16.11	0.0408	15.11	0.0324
Limit	EIRP < 0.2W					Result		PASS	



EIRP Power

<For Upper Antenna>

LTE CA 48C / Conducted Power (dBm/10MHz)									
BW	25MHz			30MHz			35MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	14.81	15.46	16.48	13.76	14.44	15.49	13.71	14.35	15.42
Middle CH	14.57	15.21	16.22	13.61	14.22	15.39	13.54	14.24	15.29
Highest CH	14.41	15.04	16.11	13.45	14.2	15.19	13.48	14.18	15.15

LTE CA 48C / Conducted Power (dBm/10MHz)									
BW	40MHz			-			-		
Mod.	QPSK	16QAM	64QAM	-	-	-	-	-	-
Lowest CH	13.59	14.31	15.28	-	-	-	-	-	-
Middle CH	13.58	14.28	15.26	-	-	-	-	-	-
Highest CH	13.41	14.08	15.07	-	-	-	-	-	-

LTE CA 48C / EIRP Power (dBm/10MHz)									
BW	25MHz			30MHz			35MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	13.81	14.46	15.48	12.76	13.44	14.49	12.71	13.35	14.42
Middle CH	13.57	14.21	15.22	12.61	13.22	14.39	12.54	13.24	14.29
Highest CH	13.41	14.04	15.11	12.45	13.2	14.19	12.48	13.18	14.15

LTE CA 48C / EIRP Power (dBm/10MHz)									
BW	40MHz			-			-		
Mod.	QPSK	16QAM	64QAM	-	-	-	-	-	-
Lowest CH	12.59	13.31	14.28	-	-	-	-	-	-
Middle CH	12.58	13.28	14.26	-	-	-	-	-	-
Highest CH	12.41	13.08	14.07	-	-	-	-	-	-

Antenna Gain	-1 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



Radiated Spurious Emission

<For Lower Antenna>

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	7100	-59.43	-40	-19.43	-57.12	-69.40	1.77	11.74	H
	10655	-60.22	-40	-20.22	-61.35	-68.65	2.47	10.90	H
	14205	-56.51	-40	-16.51	-63.52	-65.35	2.87	11.71	H
	21307	-51.77	-40	-11.77	-72.62	-68.49	1.98	18.70	H
	24859	-51.14	-40	-11.14	-74.8	-67.15	2.07	18.07	H
	28411	-47.51	-40	-7.51	-72.03	-64.76	2.32	19.56	H
									H
	7100	-59.47	-40	-19.47	-56.77	-69.44	1.77	11.74	V
	10655	-57.86	-40	-17.86	-58.73	-66.29	2.47	10.90	V
	14205	-57.10	-40	-17.10	-63.83	-65.94	2.87	11.71	V
	21307	-52.58	-40	-12.58	-73.3	-69.30	1.98	18.70	V
	24859	-50.61	-40	-10.61	-75.48	-66.62	2.07	18.07	V
	28411	-60.14	-40	-20.14	-72.06	-76.77	2.32	18.95	V
									V



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)
Middle	7230	-57.44	-40	-17.44	-55.42	-67.13	1.84	11.53	H
	10850	-58.32	-40	-18.32	-59.7	-66.65	2.57	10.90	H
	14462	-56.93	-40	-16.93	-63.58	-65.17	2.85	11.09	H
	21696	-52.30	-40	-12.30	-72.81	-69.09	1.99	18.78	H
	25314	-50.68	-40	-10.68	-76.11	-67.28	2.14	18.74	H
	28933	-54.36	-40	-14.36	-62.99	-70.38	2.63	18.65	H
									H
	7230	-58.13	-40	-18.13	-55.85	-67.82	1.84	11.53	V
	10850	-58.12	-40	-18.12	-59.29	-66.45	2.57	10.90	V
	14462	-58.82	-40	-18.82	-64.65	-67.06	2.85	11.09	V
	21696	-51.81	-40	-11.81	-72.33	-68.60	1.99	18.78	V
	25314	-51.72	-40	-11.72	-75.88	-68.32	2.14	18.74	V
	28933	-45.00	-40	-5.00	-57.08	-61.02	2.63	18.65	V
									V
Highest	7360	-59.42	-40	-19.42	-57.27	-68.83	1.91	11.32	H
	11045	-60.01	-40	-20.01	-61.65	-68.33	2.63	10.95	H
	14724	-57.24	-40	-17.24	-65.11	-66.04	2.91	11.72	H
	22084	-51.22	-40	-11.22	-72.38	-68.01	2.08	18.87	H
	25770	-50.52	-40	-10.52	-75.52	-67.54	2.03	19.05	H
	29451	-57.98	-40	-17.98	-66.71	-74.22	2.53	18.77	H
									H
	7360	-59.82	-40	-19.82	-57.48	-69.23	1.91	11.32	V
	11043	-55.10	-40	-15.10	-56.57	-63.42	2.63	10.95	V
	14724	-59.07	-40	-19.07	-65.27	-67.87	2.91	11.72	V
	22084	-52.85	-40	-12.85	-74.01	-69.64	2.08	18.87	V
	25770	-49.43	-40	-9.43	-75.61	-66.45	2.03	19.05	V
	29451	-53.76	-40	-13.76	-67.99	-70.00	2.53	18.77	V
									V

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



LTE 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	-59.25	-40	-19.25	-57.07	-69.13	1.80	11.68	H
	10705	-58.34	-40	-18.34	-59.53	-66.74	2.50	10.90	H
	14279	-57.19	-40	-17.19	-64.09	-65.86	2.86	11.53	H
	21418	-53.95	-40	-13.95	-74.5	-70.70	1.95	18.70	H
	24981	-52.57	-40	-12.57	-76.23	-68.76	2.08	18.27	H
	28556	-51.83	-40	-11.83	-76.31	-69.06	2.31	19.53	H
									H
	7140	-59.26	-40	-19.26	-56.73	-69.14	1.80	11.68	V
	10705	-58.88	-40	-18.88	-59.83	-67.28	2.50	10.90	V
	14279	-58.01	-40	-18.01	-64.48	-66.68	2.86	11.53	V
	21418	-53.85	-40	-13.85	-74.34	-70.60	1.95	18.70	V
	24981	-51.37	-40	-11.37	-76.18	-67.56	2.08	18.27	V
	28556	-50.34	-40	-10.34	-76.69	-67.57	2.31	19.53	V
									V
Middle	7250	-59.65	-40	-19.65	-57.61	-69.30	1.86	11.50	H
	10870	-59.15	-40	-19.15	-60.55	-67.47	2.58	10.90	H
	14498	-58.29	-40	-18.29	-64.89	-66.44	2.85	11.00	H
	18122	-55.16	-40	-15.16	-72.3	-71.36	1.77	17.98	H
	21740	-54.28	-40	-14.28	-74.84	-71.07	2.01	18.80	H
	25370	-52.28	-40	-12.28	-76.53	-68.95	2.15	18.82	H
									H
	7250	-59.92	-40	-19.92	-57.63	-69.57	1.86	11.50	V
	10870	-59.82	-40	-19.82	-61.02	-68.14	2.58	10.90	V
	14498	-59.35	-40	-19.35	-65.05	-67.50	2.85	11.00	V
	18122	-55.84	-40	-15.84	-72.06	-72.04	1.77	17.98	V
	21740	-54.52	-40	-14.52	-75.07	-71.31	2.01	18.80	V
	25370	-50.76	-40	-10.76	-76.3	-67.43	2.15	18.82	V
									V



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)
Highest	7360	-59.76	-40	-19.76	-57.61	-69.17	1.91	11.32	H
	11035	-61.08	-40	-21.08	-62.7	-69.39	2.64	10.94	H
	14718	-57.15	-40	-17.15	-64.98	-65.94	2.91	11.70	H
	18399	-54.80	-40	-14.80	-72.11	-70.85	1.87	17.92	H
	22073	-53.89	-40	-13.89	-75.01	-70.68	2.08	18.87	H
	25758	-51.27	-40	-11.27	-76.24	-68.29	2.04	19.05	H
									H
	7360	-56.71	-40	-16.71	-57.71	-66.12	1.91	11.32	V
	11035	-61.38	-40	-21.38	-62.38	-69.69	2.64	10.94	V
	14718	-58.46	-40	-18.46	-64.65	-67.25	2.91	11.70	V
	18399	-55.43	-40	-15.43	-71.86	-71.48	1.87	17.92	V
	22073	-53.87	-40	-13.87	-74.99	-70.66	2.08	18.87	V
	25758	-49.92	-40	-9.92	-76.08	-66.94	2.04	19.05	V
									V

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



<For Upper Antenna>

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	7100	-59.30	-40	-19.30	-56.99	-69.27	1.77	11.74	H
	10655	-57.90	-40	-17.90	-59.03	-66.33	2.47	10.90	H
	14205	-55.67	-40	-15.67	-62.68	-64.51	2.87	11.71	H
	21307	-50.31	-40	-10.31	-71.17	-67.03	1.98	18.70	H
	24858	-49.24	-40	-9.24	-72.9	-65.25	2.07	18.07	H
	28409	-55.79	-40	-15.79	-64.88	-72.11	2.63	18.95	H
									H
	7100	-59.46	-40	-19.46	-56.76	-69.43	1.77	11.74	V
	10655	-56.80	-40	-16.80	-57.67	-65.23	2.47	10.90	V
	14205	-56.90	-40	-16.90	-63.63	-65.74	2.87	11.71	V
	21307	-53.14	-40	-13.14	-73.86	-69.86	1.98	18.70	V
	24858	-49.72	-40	-9.72	-74.59	-65.73	2.07	18.07	V
	28409	-46.57	-40	-6.57	-72.91	-63.82	2.32	19.56	V
									V



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)
Middle	7230	-58.37	-40	-18.37	-56.35	-68.06	1.84	11.53	H
	10850	-56.18	-40	-16.18	-57.56	-64.51	2.57	10.90	H
	14462	-56.61	-40	-16.61	-63.26	-64.85	2.85	11.09	H
	18080	-47.65	-40	-7.65	-65.76	-63.88	1.76	17.98	H
	21697	-46.48	-40	-6.48	-68	-63.27	1.99	18.78	H
	25313	-48.02	-40	-8.02	-73.18	-64.62	2.14	18.74	H
	28928	-42.48	-40	-2.48	-51.35	-58.50	2.63	18.65	H
	7230	-56.92	-40	-16.92	-54.64	-66.61	1.84	11.53	V
	10850	-57.38	-40	-17.38	-58.55	-65.71	2.57	10.90	V
	14462	-58.12	-40	-18.12	-63.95	-66.36	2.85	11.09	V
	18080	-53.52	-40	-13.52	-69.7	-69.75	1.76	17.98	V
	21697	-44.40	-40	-4.40	-64.91	-61.19	1.99	18.78	V
	25313	-48.89	-40	-8.89	-74.31	-65.49	2.14	18.74	V
	28928	-44.98	-40	-4.98	-58.61	-61.27	2.36	18.65	V
Highest	7360	-58.24	-40	-18.24	-56.09	-67.65	1.91	11.32	H
	11045	-54.04	-40	-14.04	-55.68	-62.36	2.63	10.95	H
	14724	-55.38	-40	-15.38	-63.25	-64.18	2.91	11.72	H
	18410	-54.45	-40	-14.45	-71.88	-70.50	1.87	17.92	H
	22086	-51.85	-40	-11.85	-73.02	-68.64	2.08	18.87	H
	25770	-49.59	-40	-9.59	-74.59	-66.61	2.03	19.05	H
	29451	-55.39	-40	-15.39	-64.96	-72.01	2.15	18.77	H
	7360	-57.37	-40	-17.37	-55.03	-66.78	1.91	11.32	V
	11045	-57.74	-40	-17.74	-59.21	-66.06	2.63	10.95	V
	14724	-57.48	-40	-17.48	-63.68	-66.28	2.91	11.72	V
	18410	-56.49	-40	-16.49	-71.73	-72.54	1.87	17.92	V
	22086	-43.86	-40	-3.86	-65.03	-60.65	2.08	18.87	V
	25770	-48.79	-40	-8.79	-74.97	-65.81	2.03	19.05	V
	29451	-50.00	-40	-10.00	-63.01	-66.62	2.15	18.77	V

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



LTE 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	7138	-58.96	-40	-18.96	-56.77	-68.84	1.79	11.68	H
	10707	-58.26	-40	-18.26	-59.45	-66.66	2.50	10.90	H
	14276	-57.19	-40	-17.19	-64.1	-65.86	2.86	11.54	H
	21413	-53.54	-40	-13.54	-74.11	-70.29	1.95	18.70	H
	24982	-50.87	-40	-10.87	-74.53	-67.06	2.08	18.27	H
	28551	-51.10	-40	-11.10	-75.59	-68.33	2.31	19.54	H
									H
	7138	-59.47	-40	-19.47	-56.93	-69.35	1.79	11.68	V
	10707	-58.71	-40	-18.71	-59.66	-67.11	2.50	10.90	V
	14276	-57.19	-40	-17.19	-63.67	-65.86	2.86	11.54	V
	21413	-54.16	-40	-14.16	-74.66	-70.91	1.95	18.70	V
	24982	-50.32	-40	-10.32	-75.13	-66.51	2.08	18.27	V
	28551	-49.60	-40	-9.60	-75.96	-66.83	2.31	19.54	V
									V
Middle	5248	-59.74	-40	-19.74	-57.71	-71.01	1.67	12.95	H
	10872	-59.24	-40	-19.24	-60.64	-67.56	2.58	10.90	H
	14496	-58.02	-40	-18.02	-64.63	-66.18	2.85	11.01	H
	18219	-53.96	-40	-13.96	-71.15	-70.11	1.80	17.96	H
	21863	-53.10	-40	-13.10	-73.78	-69.89	2.05	18.85	H
	25507	-50.52	-40	-10.52	-74.99	-67.36	2.17	19.00	H
									H
	5248	-53.74	-40	-13.74	-51.46	-65.01	1.67	12.95	V
	10872	-59.11	-40	-19.11	-60.31	-67.43	2.58	10.90	V
	14496	-58.94	-40	-18.94	-64.65	-67.10	2.85	11.01	V
	18219	-55.24	-40	-15.24	-71.53	-71.39	1.80	17.96	V
	21863	-53.35	-40	-13.35	-74.02	-70.14	2.05	18.85	V
	25507	-49.40	-40	-9.40	-75.21	-66.24	2.17	19.00	V
									V



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)
Highest	7358	-59.51	-40	-19.51	-57.36	-68.92	1.91	11.33	H
	11037	-60.70	-40	-20.70	-62.32	-69.01	2.63	10.94	H
	14716	-57.16	-40	-17.16	-64.98	-65.94	2.91	11.69	H
	28396	-54.06	-40	-14.06	-71.36	-71.30	2.32	19.56	H
	22075	-53.15	-40	-13.15	-74.27	-69.94	2.08	18.87	H
	25754	-49.82	-40	-9.82	-74.78	-66.83	2.04	19.05	H
									H
	7358	-59.73	-40	-19.73	-57.39	-69.14	1.91	11.33	V
	11037	-60.77	-40	-20.77	-62.22	-69.08	2.63	10.94	V
	14716	-58.40	-40	-18.40	-64.59	-67.18	2.91	11.69	V
	28396	-55.15	-40	-15.15	-71.57	-72.39	2.32	19.56	V
	22075	-53.43	-40	-13.43	-74.55	-70.22	2.08	18.87	V
	25754	-49.35	-40	-9.35	-75.5	-66.36	2.04	19.05	V
									V

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