

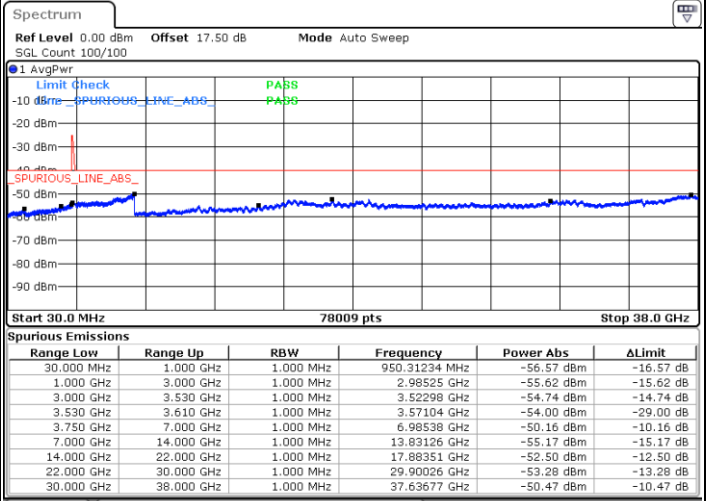
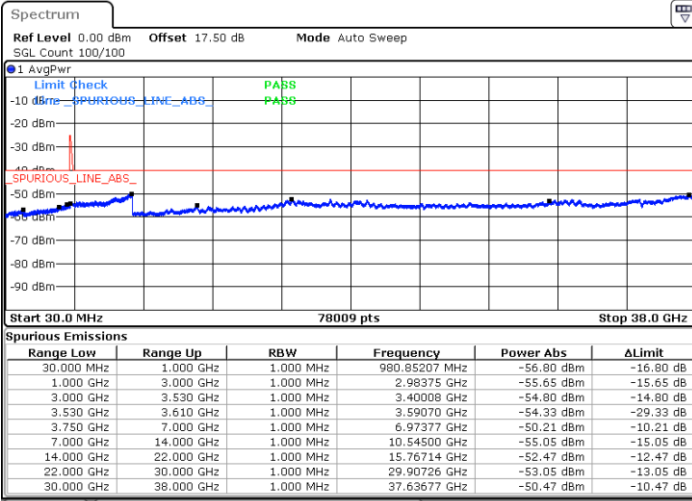


LTE Band 48C / 20MHz+5MHz

64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0

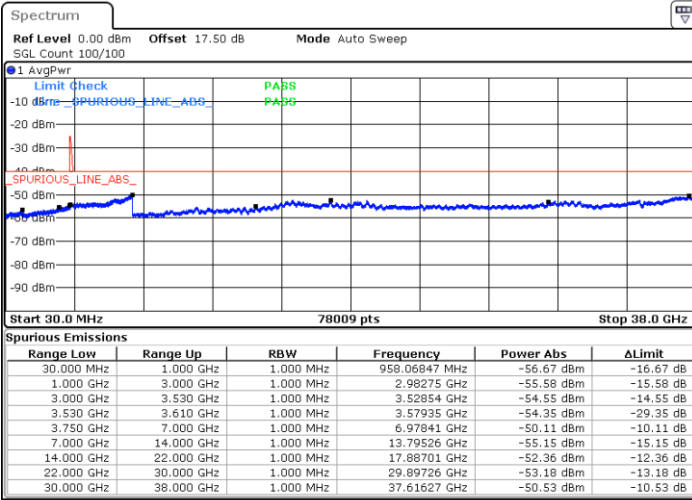


Date: 22.MAY.2020 07:43:58

Date: 22.MAY.2020 07:42:40

Highest Channel / FullIRB

N/A



Date: 22.MAY.2020 07:50:32

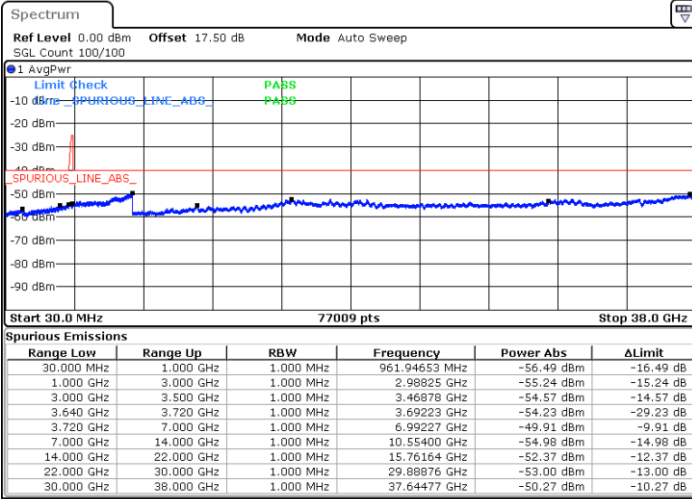


LTE Band 48C / 20MHz+10MHz

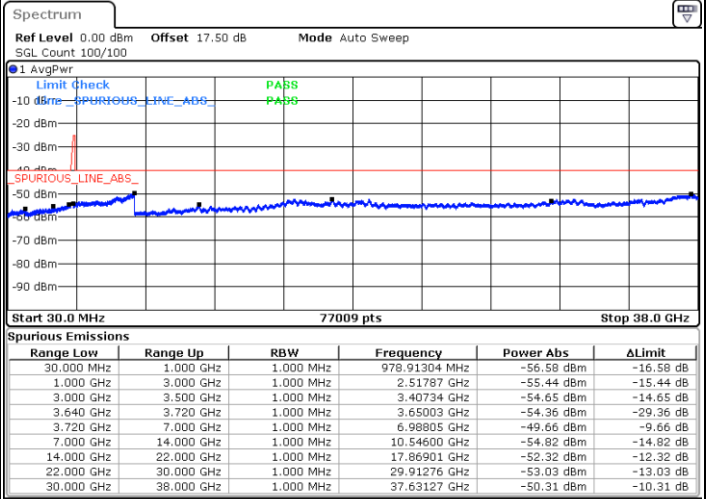
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



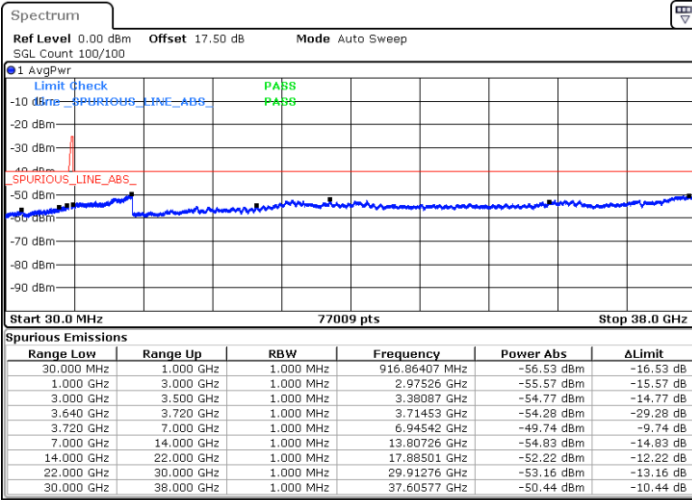
Date: 23 MAY 2020 06:04:11



Date: 23 MAY 2020 05:57:37

Lowest Channel / FullIRB

N/A



Date: 23 MAY 2020 06:09:29

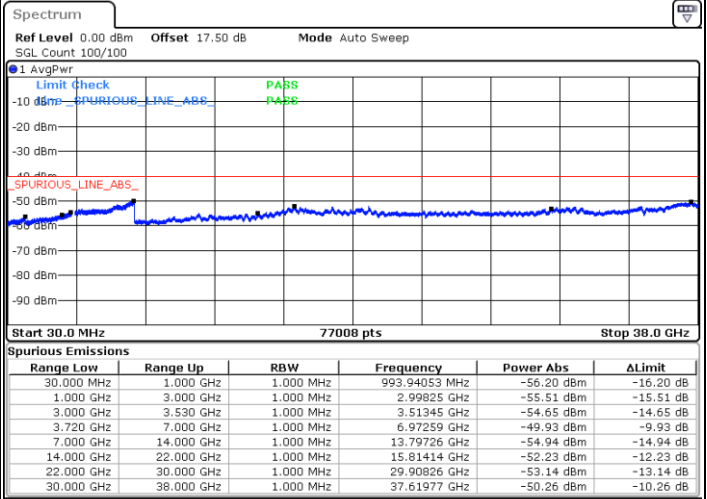
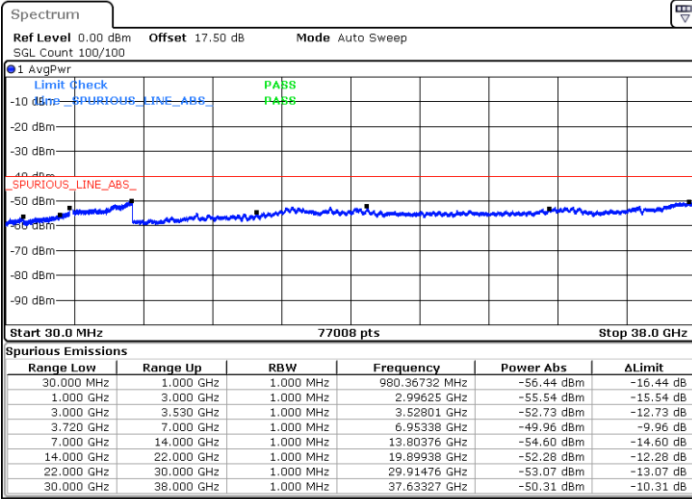


LTE Band 48C / 20MHz+10MHz

64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0

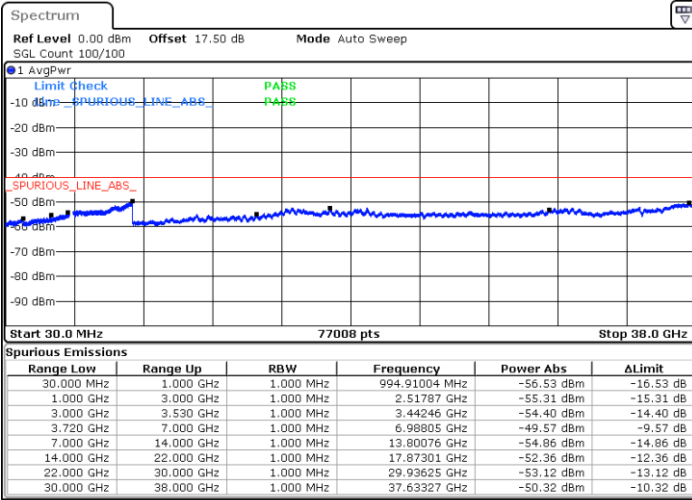


Date: 23 MAY 2020 06:46:07

Date: 23 MAY 2020 06:52:37

Middle Channel / FullIRB

N/A



Date: 23 MAY 2020 06:44:49

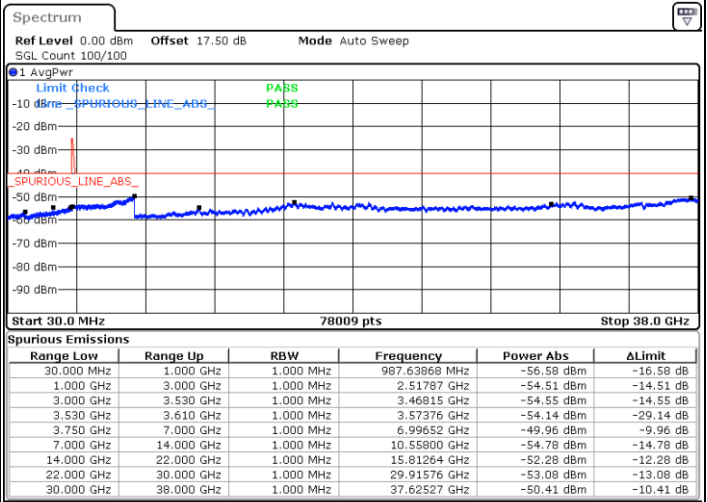
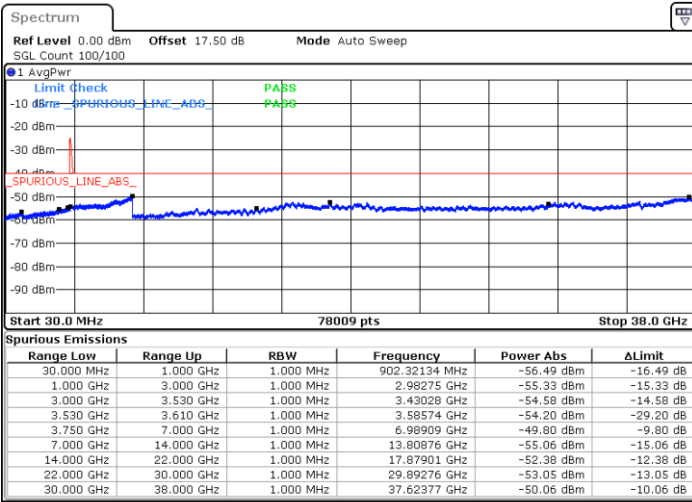


LTE Band 48C / 20MHz+10MHz

64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0

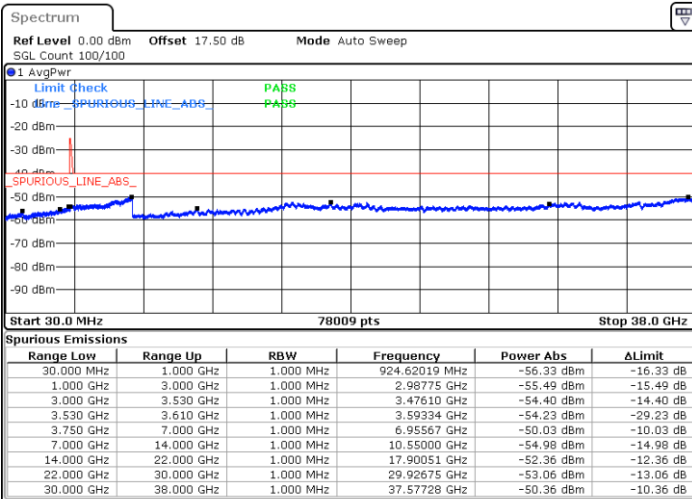


Date: 23 MAY 2020 07:31:16

Date: 23 MAY 2020 07:29:58

Highest Channel / FullIRB

N/A



Date: 23 MAY 2020 07:37:48

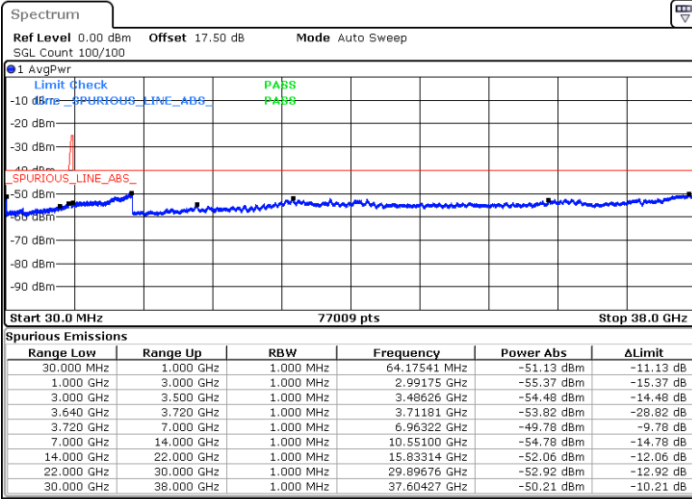


LTE Band 48C / 20MHz+15MHz

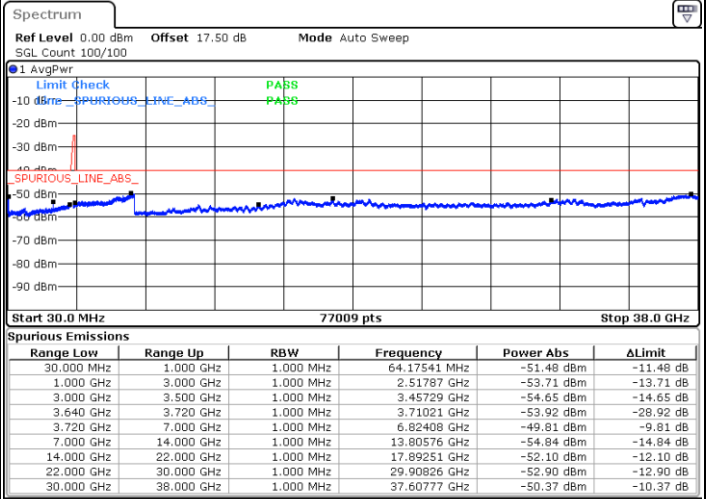
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



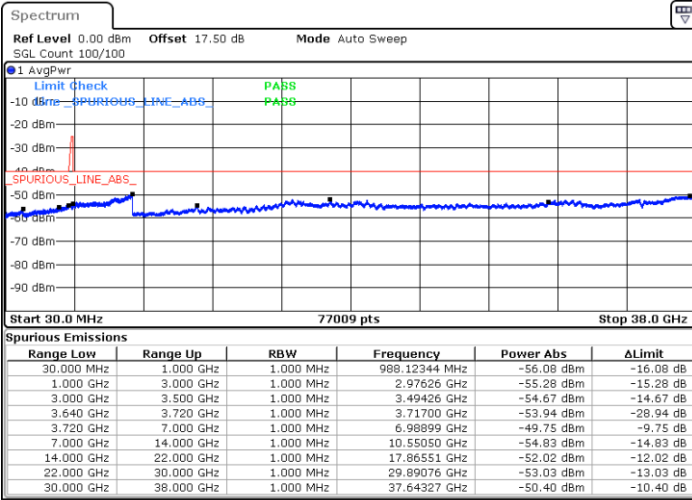
Date: 26 MAY 2020 04:50:50



Date: 26 MAY 2020 04:44:17

Lowest Channel / FullIRB

N/A



Date: 26 MAY 2020 04:52:08

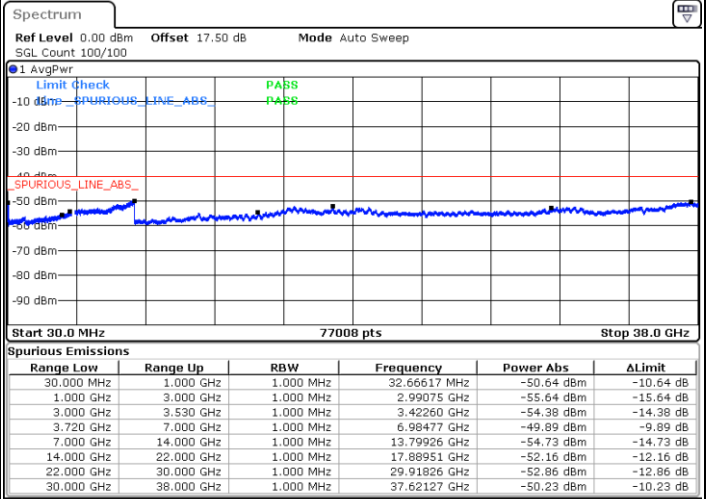
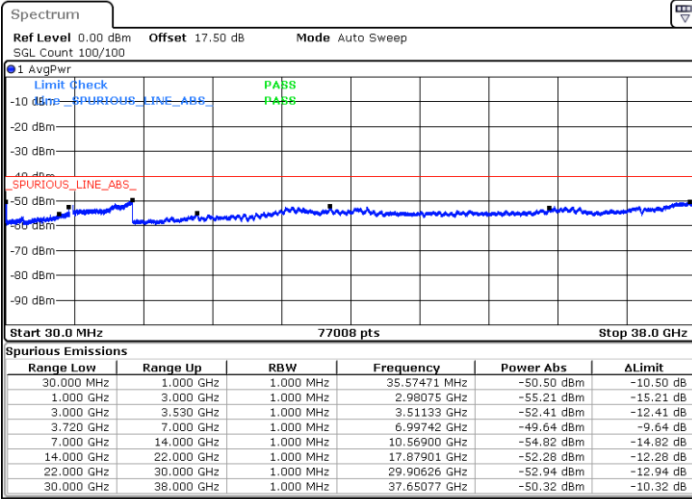


LTE Band 48C / 20MHz+15MHz

64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0

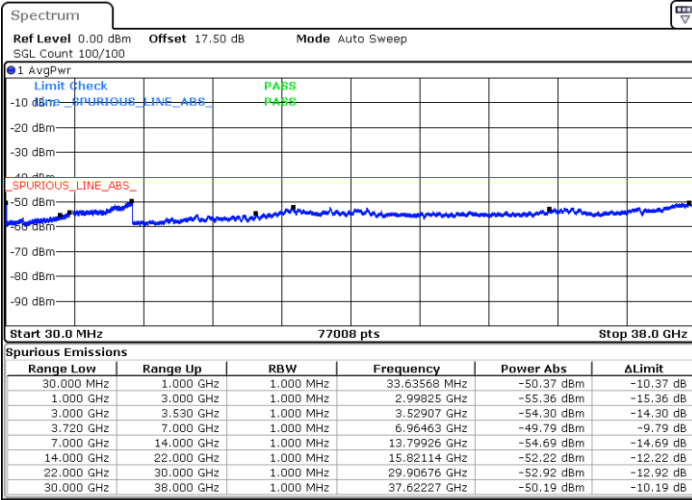


Date: 26 MAY 2020 05:53:11

Date: 26 MAY 2020 05:59:43

Middle Channel / FullIRB

N/A



Date: 26 MAY 2020 05:51:53

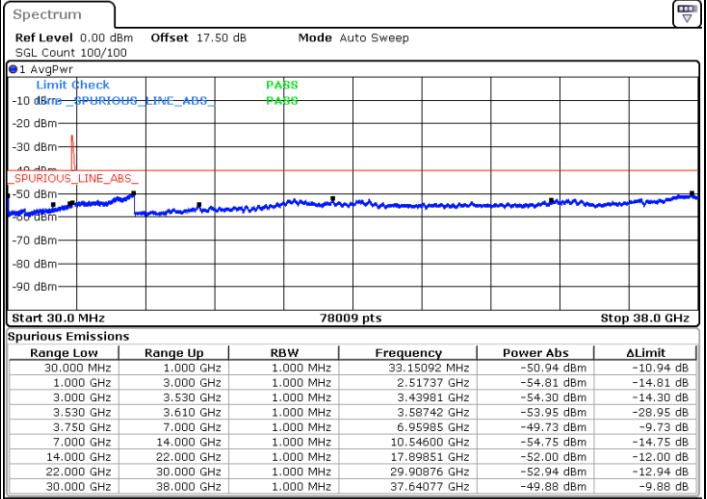
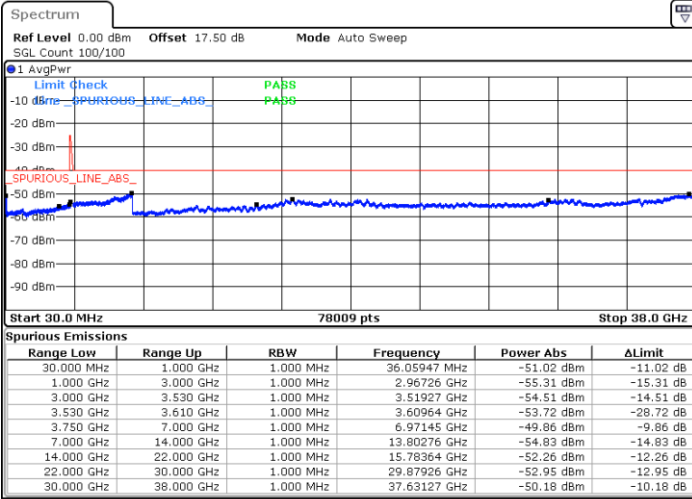


LTE Band 48C / 20MHz+15MHz

64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0

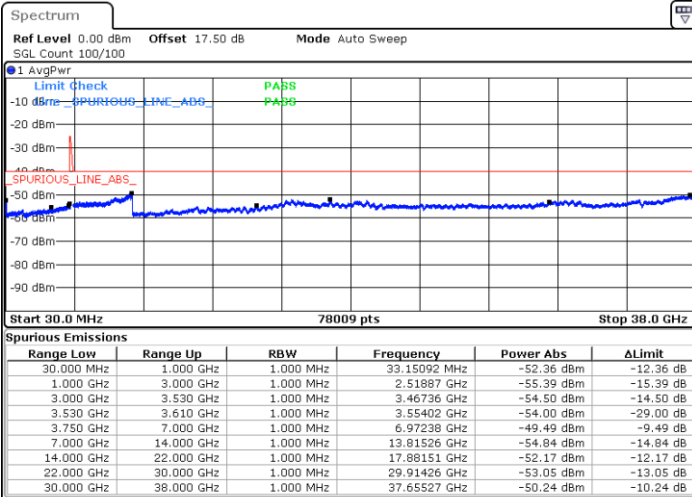


Date: 26 MAY 2020 06:46:56

Date: 26 MAY 2020 06:45:38

Highest Channel / FullIRB

N/A



Date: 26 MAY 2020 06:53:31

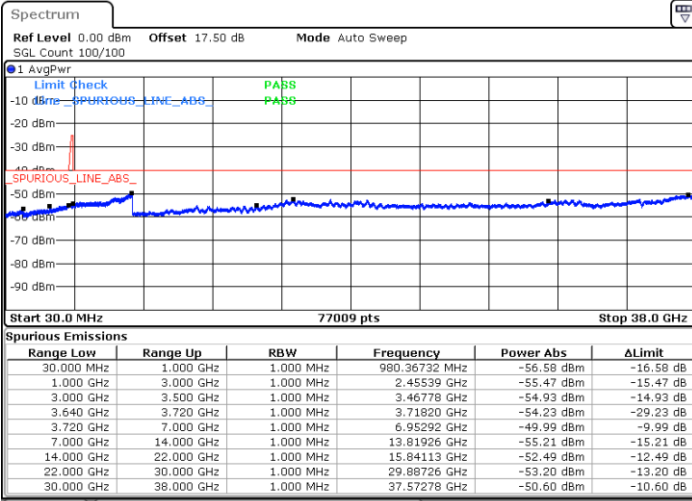


LTE Band 48C / 20MHz+20MHz

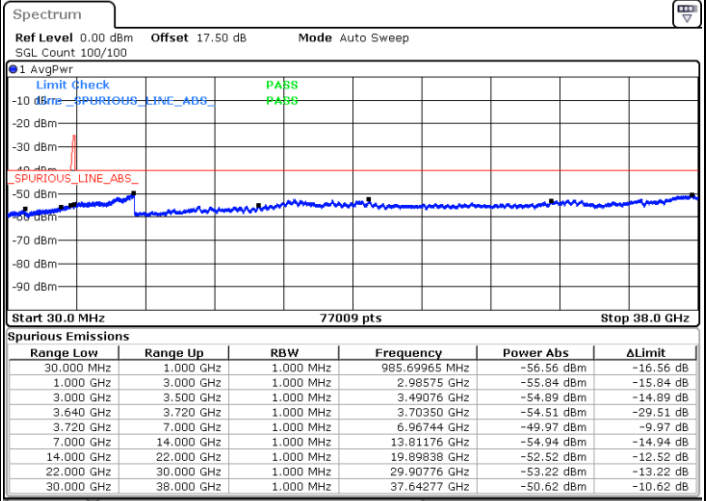
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



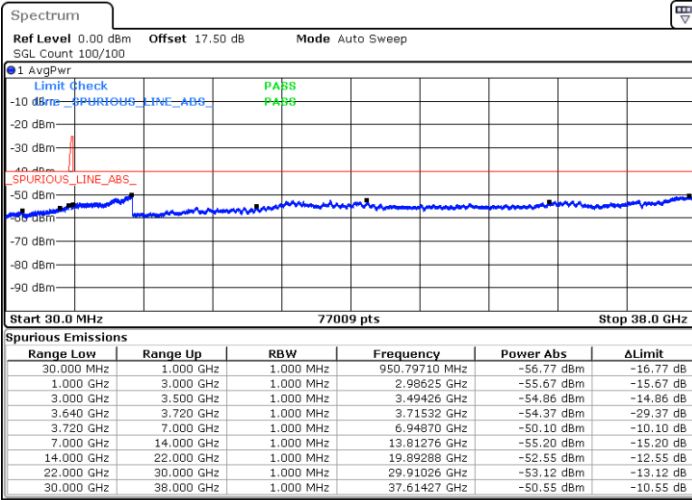
Date: 22 MAY 2020 00:39:10



Date: 22 MAY 2020 00:32:40

Lowest Channel / FullIRB

N/A



Date: 22 MAY 2020 00:40:29

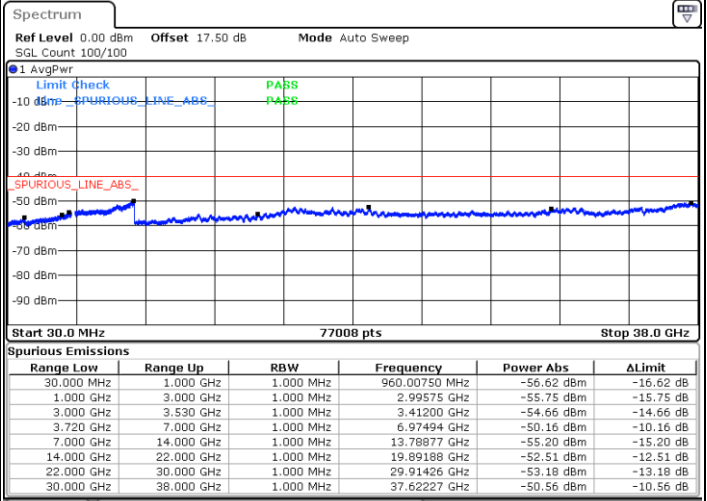
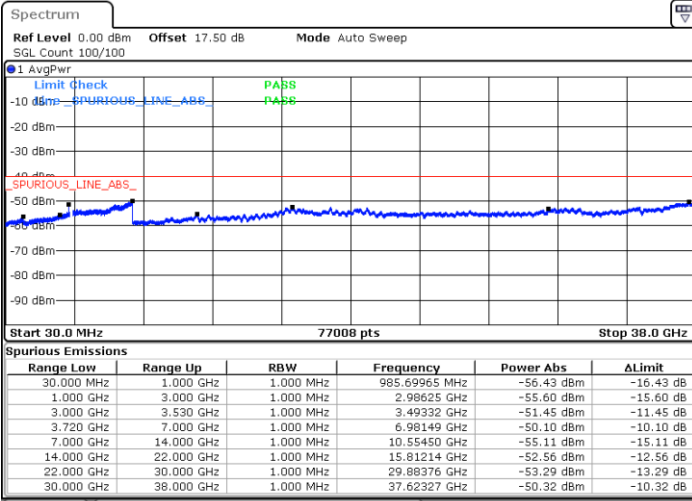


LTE Band 48C / 20MHz+20MHz

64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

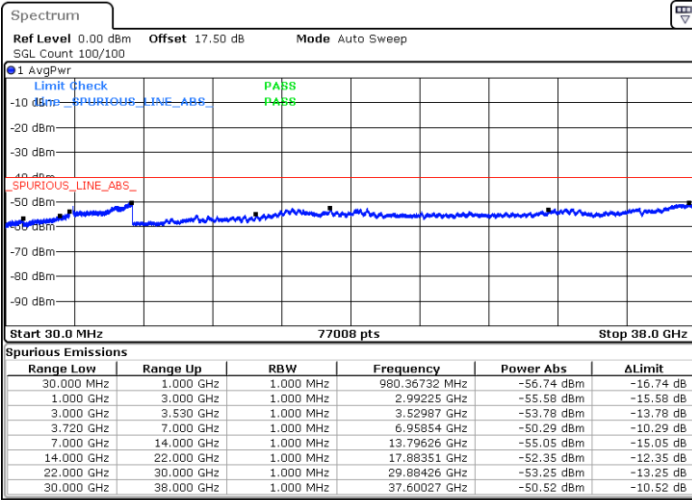


Date: 22 MAY 2020 01:33:20

Date: 22 MAY 2020 01:39:49

Middle Channel / FullIRB

N/A



Date: 22 MAY 2020 01:32:02

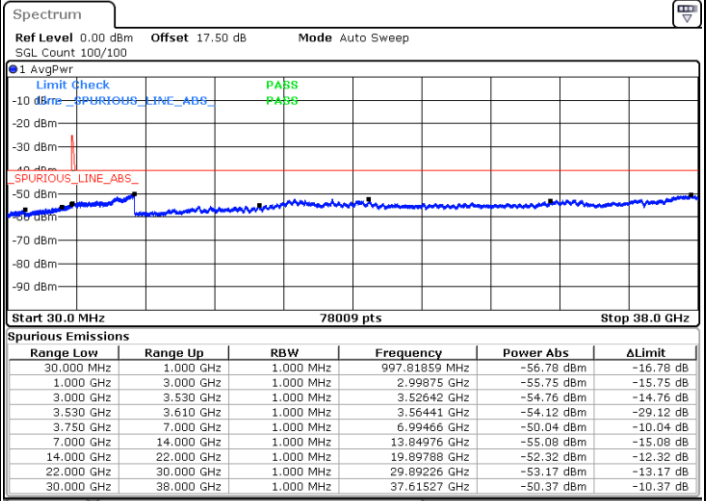
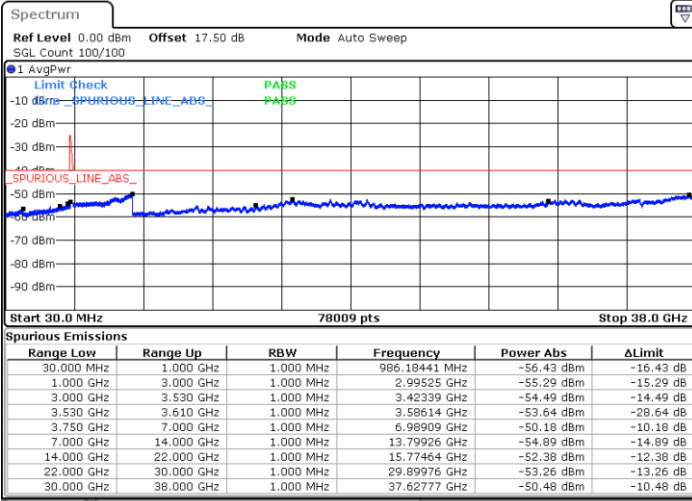


LTE Band 48C / 20MHz+20MHz

64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0

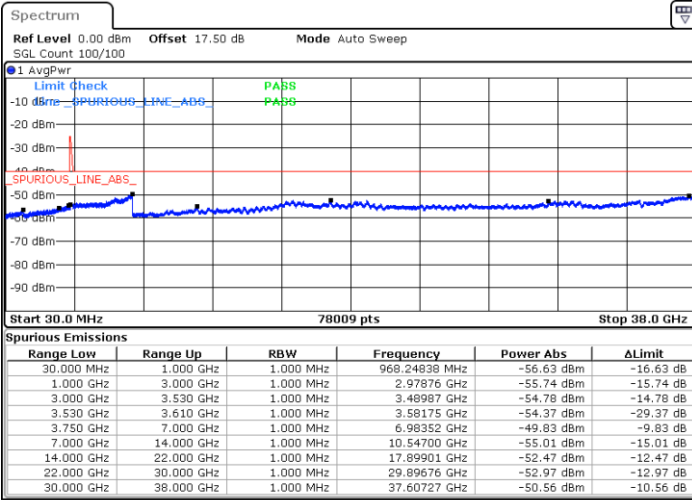


Date: 22.MAY.2020 02:14:29

Date: 22.MAY.2020 02:13:10

Highest Channel / FullIRB

N/A



Date: 22.MAY.2020 02:21:00



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<Primary Antenna>

LTE Band 48 / 5MHz (Average) (GT - LC = -1.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.81	0.1205	19.01	0.0796
Middle		1	0	24.41	0.2761	22.61	0.1824
Highest		1	0	20.92	0.1236	19.12	0.0817
Lowest	16QAM	1	0	19.99	0.0998	18.19	0.0659
Middle		1	0	23.67	0.2328	21.87	0.1538
Highest		1	0	19.91	0.0979	18.11	0.0647
Lowest	64QAM	1	0	18.73	0.0746	16.93	0.0493
Middle		1	0	22.22	0.1667	20.42	0.1102
Highest		1	0	18.77	0.0753	16.97	0.0498

LTE Band 48 / 10MHz (Average) (GT - LC = -1.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.81	0.1205	19.01	0.0796
Middle		1	0	24.32	0.2704	22.52	0.1786
Highest		1	0	20.92	0.1236	19.12	0.0817
Lowest	16QAM	1	0	19.94	0.0986	18.14	0.0652
Middle		1	0	23.69	0.2339	21.89	0.1545
Highest		1	0	19.96	0.0991	18.16	0.0655
Lowest	64QAM	1	0	18.67	0.0736	16.87	0.0486
Middle		1	0	22.23	0.1671	20.43	0.1104
Highest		1	0	18.82	0.0762	17.02	0.0504

LTE Band 48 / 15MHz (Average) (GT - LC = -1.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.82	0.1208	19.02	0.0798
Middle		1	0	24.40	0.2754	22.60	0.1820
Highest		1	0	20.87	0.1222	19.07	0.0807
Lowest	16QAM	1	0	19.96	0.0991	18.16	0.0655
Middle		1	0	23.66	0.2323	21.86	0.1535
Highest		1	0	19.96	0.0991	18.16	0.0655
Lowest	64QAM	1	0	18.73	0.0746	16.93	0.0493
Middle		1	0	22.24	0.1675	20.44	0.1107
Highest		1	0	18.82	0.0762	17.02	0.0504



LTE Band 48 / 20MHz (Average) (GT - LC = -1.8 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.89	0.1227	19.09	0.0811
Middle		1	0	24.41	0.2761	22.61	0.1824
Highest		1	0	20.93	0.1239	19.13	0.0818
Lowest	16QAM	1	0	19.91	0.0979	18.11	0.0647
Middle		1	0	23.69	0.2339	21.89	0.1545
Highest		1	0	19.92	0.0982	18.12	0.0649
Lowest	64QAM	1	0	18.74	0.0748	16.94	0.0494
Middle		1	0	22.26	0.1683	20.46	0.1112
Highest		1	0	18.87	0.0771	17.07	0.0509



EIRP

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	20.81	19.99	18.73
Middle CH	-	-	-	-	-	-	24.41	23.67	22.22
Highest CH	-	-	-	-	-	-	20.92	19.91	18.77

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	20.81	19.94	18.67	20.82	19.96	18.73	20.89	19.91	18.74
Middle CH	24.32	23.69	22.23	24.40	23.66	22.24	24.41	23.69	22.26
Highest CH	20.92	19.96	18.82	20.87	19.96	18.82	20.93	19.92	18.87

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	19.01	18.19	16.93
Middle CH	-	-	-	-	-	-	22.61	21.87	20.42
Highest CH	-	-	-	-	-	-	19.12	18.11	16.97

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	19.01	18.14	16.87	19.02	18.16	16.93	19.09	18.11	16.94
Middle CH	22.52	21.89	20.43	22.60	21.86	20.44	22.61	21.89	20.46
Highest CH	19.12	18.16	17.02	19.07	18.16	17.02	19.13	18.12	17.07
Antenna Gain	-1.8 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -1.8 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	6.17	0.0041	4.37	0.0027
Middle		1	0	1	0	14.33	0.0271	12.53	0.0179
Highest		1	0	1	0	6.24	0.0042	4.44	0.0028
Lowest	16QAM	1	99	1	0	6.72	0.0047	4.92	0.0031
Middle		1	99	1	0	14.88	0.0308	13.08	0.0203
Highest		1	99	1	0	6.72	0.0047	4.92	0.0031
Lowest	64QAM	1	99	1	0	6.37	0.0043	4.57	0.0029
Middle		1	99	1	0	14.56	0.0286	12.76	0.0189
Highest		1	99	1	0	6.41	0.0044	4.61	0.0029
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -1.8 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	6.11	0.0041	4.31	0.0027
Middle		100	0	75	0	14.25	0.0266	12.45	0.0176
Highest		100	0	75	0	6.19	0.0042	4.39	0.0027
Lowest	16QAM	1	0	1	74	6.70	0.0047	4.90	0.0031
Middle		1	0	1	74	14.86	0.0306	13.06	0.0202
Highest		1	0	1	74	6.69	0.0047	4.89	0.0031
Lowest	64QAM	1	0	1	74	6.28	0.0042	4.48	0.0028
Middle		1	0	1	74	14.47	0.0280	12.67	0.0185
Highest		1	0	1	74	6.40	0.0044	4.60	0.0029
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -1.8 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	6.16	0.0041	4.36	0.0027
Middle		75	0	100	0	14.28	0.0268	12.48	0.0177
Highest		75	0	100	0	6.19	0.0042	4.39	0.0027
Lowest	16QAM	1	0	1	99	6.71	0.0047	4.91	0.0031
Middle		1	0	1	99	14.81	0.0303	13.01	0.0200
Highest		1	0	1	99	6.62	0.0046	4.82	0.0030
Lowest	64QAM	1	0	1	99	6.36	0.0043	4.56	0.0029
Middle		1	0	1	99	14.52	0.0283	12.72	0.0187
Highest		1	0	1	99	6.36	0.0043	4.56	0.0029
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -1.8 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	6.09	0.0041	4.29	0.0027
Middle		100	0	50	0	14.29	0.0269	12.49	0.0177
Highest		100	0	50	0	6.24	0.0042	4.44	0.0028
Lowest	16QAM	1	0	1	49	6.70	0.0047	4.90	0.0031
Middle		1	0	1	49	14.81	0.0303	13.01	0.0200
Highest		1	0	1	49	6.69	0.0047	4.89	0.0031
Lowest	64QAM	1	0	1	49	6.31	0.0043	4.51	0.0028
Middle		1	0	1	49	14.52	0.0283	12.72	0.0187
Highest		1	0	1	49	6.37	0.0043	4.57	0.0029
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -1.8 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	6.16	0.0041	4.36	0.0027
Middle		50	0	100	0	14.24	0.0265	12.44	0.0175
Highest		50	0	100	0	6.21	0.0042	4.41	0.0028
Lowest	16QAM	1	0	1	99	6.70	0.0047	4.90	0.0031
Middle		1	0	1	99	14.81	0.0303	13.01	0.0200
Highest		1	0	1	99	6.68	0.0047	4.88	0.0031
Lowest	64QAM	1	0	1	99	6.36	0.0043	4.56	0.0029
Middle		1	0	1	99	14.55	0.0285	12.75	0.0188
Highest		1	0	1	99	6.37	0.0043	4.57	0.0029
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -1.8 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	6.09	0.0041	4.29	0.0027
Middle		100	0	25	0	14.23	0.0265	12.43	0.0175
Highest		100	0	25	0	6.16	0.0041	4.36	0.0027
Lowest	16QAM	100	0	25	0	6.69	0.0047	4.89	0.0031
Middle		100	0	25	0	14.88	0.0308	13.08	0.0203
Highest		100	0	25	0	6.64	0.0046	4.84	0.0030
Lowest	64QAM	1	0	1	24	6.34	0.0043	4.54	0.0028
Middle		1	0	1	24	14.48	0.0281	12.68	0.0185
Highest		1	0	1	24	6.36	0.0043	4.56	0.0029
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -1.8 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	1	99	6.22	0.0042	4.42	0.0028
Middle		1	0	1	99	14.26	0.0267	12.46	0.0176
Highest		1	0	1	99	6.21	0.0042	4.41	0.0028
Lowest	16QAM	1	0	1	99	6.71	0.0047	4.91	0.0031
Middle		1	0	1	99	14.87	0.0307	13.07	0.0203
Highest		1	0	1	99	6.65	0.0046	4.85	0.0031
Lowest	64QAM	1	0	1	99	6.29	0.0043	4.49	0.0028
Middle		1	0	1	99	14.52	0.0283	12.72	0.0187
Highest		1	0	1	99	6.36	0.0043	4.56	0.0029
Limit	EIRP < 0.2W					Result		PASS	



<ASDIV Antenna>

LTE Band 48 / 5MHz (Average) (GT - LC = -4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.56	0.0904	15.56	0.0360
Middle		1	0	23.22	0.2099	19.22	0.0836
Highest		1	0	19.52	0.0895	15.52	0.0356
Lowest	16QAM	1	0	18.73	0.0746	14.73	0.0297
Middle		1	0	22.34	0.1714	18.34	0.0682
Highest		1	0	18.62	0.0728	14.62	0.0290
Lowest	64QAM	1	0	17.43	0.0553	13.43	0.0220
Middle		1	0	20.91	0.1233	16.91	0.0491
Highest		1	0	17.37	0.0546	13.37	0.0217

LTE Band 48 / 10MHz (Average) (GT - LC = -4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.64	0.0920	15.64	0.0366
Middle		1	0	23.28	0.2128	19.28	0.0847
Highest		1	0	19.43	0.0877	15.43	0.0349
Lowest	16QAM	1	0	18.73	0.0746	14.73	0.0297
Middle		1	0	22.35	0.1718	18.35	0.0684
Highest		1	0	18.61	0.0726	14.61	0.0289
Lowest	64QAM	1	0	17.38	0.0547	13.38	0.0218
Middle		1	0	20.88	0.1225	16.88	0.0488
Highest		1	0	17.39	0.0548	13.39	0.0218

LTE Band 48 / 15MHz (Average) (GT - LC = -4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.62	0.0916	15.62	0.0365
Middle		1	0	23.29	0.2133	19.29	0.0849
Highest		1	0	19.50	0.0891	15.50	0.0355
Lowest	16QAM	1	0	18.64	0.0731	14.64	0.0291
Middle		1	0	22.37	0.1726	18.37	0.0687
Highest		1	0	18.59	0.0723	14.59	0.0288
Lowest	64QAM	1	0	17.36	0.0545	13.36	0.0217
Middle		1	0	20.93	0.1239	16.93	0.0493
Highest		1	0	17.35	0.0543	13.35	0.0216



LTE Band 48 / 20MHz (Average) (GT - LC = -4 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.65	0.0923	15.65	0.0367
Middle		1	0	23.31	0.2143	19.31	0.0853
Highest		1	0	19.53	0.0897	15.53	0.0357
Lowest	16QAM	1	0	18.74	0.0748	14.74	0.0298
Middle		1	0	22.40	0.1738	18.40	0.0692
Highest		1	0	18.67	0.0736	14.67	0.0293
Lowest	64QAM	1	0	17.45	0.0556	13.45	0.0221
Middle		1	0	20.94	0.1242	16.94	0.0494
Highest		1	0	17.44	0.0555	13.44	0.0221



EIRP

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	19.56	18.73	17.43
Middle CH	-	-	-	-	-	-	23.22	22.34	20.91
Highest CH	-	-	-	-	-	-	19.52	18.62	17.37

LTE Band 48 / Conducted Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	19.64	18.73	17.38	19.62	18.64	17.36	19.65	18.74	17.45
Middle CH	23.28	22.35	20.88	23.29	22.37	20.93	23.31	22.40	20.94
Highest CH	19.43	18.61	17.39	19.50	18.59	17.35	19.53	18.67	17.44

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	1.4MHz			3MHz			5MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	-	-	-	-	-	-	15.56	14.73	13.43
Middle CH	-	-	-	-	-	-	19.22	18.34	16.91
Highest CH	-	-	-	-	-	-	15.52	14.62	13.37

LTE Band 48 / EIRP Power (dBm/10MHz)									
BW	10MHz			15MHz			20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	15.64	14.73	13.38	15.62	14.64	13.36	15.65	14.74	13.45
Middle CH	19.28	18.35	16.88	19.29	18.37	16.93	19.31	18.40	16.94
Highest CH	15.43	14.61	13.39	15.50	14.59	13.35	15.53	14.67	13.44
Antenna Gain	-4 dBi								
Limit	23dBm / 10MHz								
Result	PASS								



<ASDIV Antenna>

LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -4 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	3.31	0.0021	-0.69	0.0009
Middle		1	0	1	0	12.05	0.0160	8.05	0.0064
Highest		1	0	1	0	3.57	0.0023	-0.43	0.0009
Lowest	16QAM	1	99	1	0	3.68	0.0023	-0.32	0.0009
Middle		1	99	1	0	12.58	0.0181	8.58	0.0072
Highest		1	99	1	0	3.88	0.0024	-0.12	0.0010
Lowest	64QAM	1	99	1	0	3.51	0.0022	-0.49	0.0009
Middle		1	99	1	0	12.39	0.0173	8.39	0.0069
Highest		1	99	1	0	3.70	0.0023	-0.30	0.0009
Limit	EIRP < 0.2W				Result		PASS		

LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -4 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	3.31	0.0021	-0.69	0.0009
Middle		100	0	75	0	11.99	0.0158	7.99	0.0063
Highest		100	0	75	0	3.53	0.0023	-0.47	0.0009
Lowest	16QAM	1	0	1	74	3.62	0.0023	-0.38	0.0009
Middle		1	0	1	74	12.50	0.0178	8.50	0.0071
Highest		1	0	1	74	3.87	0.0024	-0.13	0.0010
Lowest	64QAM	1	0	1	74	3.41	0.0022	-0.59	0.0009
Middle		1	0	1	74	12.33	0.0171	8.33	0.0068
Highest		1	0	1	74	3.64	0.0023	-0.36	0.0009
Limit	EIRP < 0.2W				Result		PASS		

LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -4 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	99	3.35	0.0022	-0.65	0.0009
Middle		1	0	1	99	12.00	0.0158	8.00	0.0063
Highest		1	0	1	99	3.33	0.0022	-0.67	0.0009
Lowest	16QAM	1	0	1	99	3.63	0.0023	-0.37	0.0009
Middle		1	0	1	99	12.57	0.0181	8.57	0.0072
Highest		1	0	1	99	3.86	0.0024	-0.14	0.0010
Lowest	64QAM	1	0	1	99	3.46	0.0022	-0.54	0.0009
Middle		1	0	1	99	12.34	0.0171	8.34	0.0068
Highest		1	0	1	99	3.65	0.0023	-0.35	0.0009
Limit	EIRP < 0.2W				Result		PASS		



LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -4 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	3.21	0.0021	-0.79	0.0008
Middle		100	0	50	0	12.00	0.0158	8.00	0.0063
Highest		100	0	50	0	3.53	0.0023	-0.47	0.0009
Lowest	16QAM	1	0	1	49	3.61	0.0023	-0.39	0.0009
Middle		1	0	1	49	12.52	0.0179	8.52	0.0071
Highest		1	0	1	49	3.88	0.0024	-0.12	0.0010
Lowest	64QAM	1	0	1	49	3.48	0.0022	-0.52	0.0009
Middle		1	0	1	49	12.34	0.0171	8.34	0.0068
Highest		1	0	1	49	3.68	0.0023	-0.32	0.0009
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -4 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	3.25	0.0021	-0.75	0.0008
Middle		50	0	100	0	12.00	0.0158	8.00	0.0063
Highest		50	0	100	0	3.52	0.0022	-0.48	0.0009
Lowest	16QAM	1	0	1	99	3.61	0.0023	-0.39	0.0009
Middle		1	0	1	99	12.55	0.0180	8.55	0.0072
Highest		1	0	1	99	3.84	0.0024	-0.16	0.0010
Lowest	64QAM	1	0	1	99	3.48	0.0022	-0.52	0.0009
Middle		1	0	1	99	12.30	0.0170	8.30	0.0068
Highest		1	0	1	99	3.61	0.0023	-0.39	0.0009
Limit	EIRP < 0.2W					Result		PASS	

LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -4 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	3.27	0.0021	-0.73	0.0008
Middle		100	0	25	0	11.97	0.0157	7.97	0.0063
Highest		100	0	25	0	3.54	0.0023	-0.46	0.0009
Lowest	16QAM	100	0	25	0	3.61	0.0023	-0.39	0.0009
Middle		100	0	25	0	12.52	0.0179	8.52	0.0071
Highest		100	0	25	0	3.86	0.0024	-0.14	0.0010
Lowest	64QAM	1	0	1	24	3.50	0.0022	-0.50	0.0009
Middle		1	0	1	24	12.33	0.0171	8.33	0.0068
Highest		1	0	1	24	3.63	0.0023	-0.37	0.0009
Limit	EIRP < 0.2W					Result		PASS	



LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -4 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	3.25	0.0021	-0.75	0.0008
Middle		25	0	100	0	11.95	0.0157	7.95	0.0062
Highest		25	0	100	0	3.53	0.0023	-0.47	0.0009
Lowest	16QAM	1	0	1	99	3.59	0.0023	-0.41	0.0009
Middle		1	0	1	99	12.52	0.0179	8.52	0.0071
Highest		1	0	1	99	3.85	0.0024	-0.15	0.0010
Lowest	64QAM	1	0	1	99	3.50	0.0022	-0.50	0.0009
Middle		1	0	1	99	12.38	0.0173	8.38	0.0069
Highest		1	0	1	99	3.63	0.0023	-0.37	0.0009
Limit	EIRP < 0.2W					Result		PASS	



Radiated Spurious Emission

<Primary Antenna>

Ant. 7

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)
Lowest	7100	-58.32	-40	-18.32	-60.29	-68.29	1.77	11.74	H
	10655	-52.06	-40	-12.06	-54.34	-60.49	2.47	10.90	H
	14205	-55.67	-40	-15.67	-62.73	-64.51	2.87	11.71	H
	21306	-53.37	-40	-13.37	-75.33	-70.09	1.98	18.70	H
	24857	-51.94	-40	-11.94	-76.6	-67.95	2.07	18.07	H
	28408	-50.57	-40	-10.57	-76.09	-67.81	2.32	19.56	H
									H
	7100	-57.46	-40	-17.46	-59.04	-67.43	1.77	11.74	V
	10655	-55.43	-40	-15.43	-57.45	-63.86	2.47	10.90	V
	14205	-55.99	-40	-15.99	-62.77	-64.83	2.87	11.71	V
	21306	-52.62	-40	-12.62	-74.34	-69.34	1.98	18.70	V
	24857	-50.19	-40	-10.19	-76.06	-66.20	2.07	18.07	V
	28408	-48.37	-40	-8.37	-75.71	-65.61	2.32	19.56	V
									V



Middle	7230	-57.55	-40	-17.55	-59.92	-67.24	1.84	11.53	H
	10850	-54.58	-40	-14.58	-56.91	-62.91	2.57	10.90	H
	14462	-56.12	-40	-16.12	-63.39	-64.36	2.85	11.09	H
	18080	-52.85	-40	-12.85	-70.96	-69.08	1.76	17.98	H
	21696	-53.62	-40	-13.62	-75.14	-70.41	1.99	18.78	H
	25312	-51.06	-40	-11.06	-76.22	-67.66	2.14	18.74	H
									H
	7230	-56.22	-40	-16.22	-58.33	-65.91	1.84	11.53	V
	10850	-55.75	-40	-15.75	-57.87	-64.08	2.57	10.90	V
	14462	-56.97	-40	-16.97	-63.42	-65.21	2.85	11.09	V
	18080	-53.97	-40	-13.97	-71.15	-70.20	1.76	17.98	V
	21696	-52.89	-40	-12.89	-74.4	-69.68	1.99	18.78	V
	25312	-49.40	-40	-9.40	-75.82	-66.00	2.14	18.74	V
									V
Highest	7360	-57.25	-40	-17.25	-59.59	-66.66	1.91	11.32	H
	11045	-52.90	-40	-12.90	-55.38	-61.22	2.63	10.95	H
	14724	-55.28	-40	-15.28	-64.12	-64.08	2.91	11.72	H
	18405	-54.15	-40	-14.15	-72.47	-70.20	1.87	17.92	H
	22086	-52.27	-40	-12.27	-74.44	-69.06	2.08	18.87	H
	25767	-50.58	-40	-10.58	-76.57	-67.60	2.03	19.05	H
									H
	7360	-57.17	-40	-17.17	-59.32	-66.58	1.91	11.32	V
	11045	-54.45	-40	-14.45	-56.76	-62.77	2.63	10.95	V
	14724	-57.31	-40	-17.31	-64.48	-66.11	2.91	11.72	V
	18405	-55.05	-40	-15.05	-72.49	-71.10	1.87	17.92	V
	22086	-52.46	-40	-12.46	-74.63	-69.25	2.08	18.87	V
	25767	-49.18	-40	-9.18	-76.36	-66.20	2.03	19.05	V
									V

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



LTE 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	-57.54	-40	-17.54	-59.67	-67.42	1.80	11.68	H
	10710	-51.56	-40	-11.56	-53.85	-59.96	2.50	10.90	H
	14272	-55.48	-40	-15.48	-62.59	-64.16	2.86	11.55	H
	21413	-53.89	-40	-13.89	-75.46	-70.64	1.95	18.70	H
	24982	-52.00	-40	-12.00	-76.66	-68.19	2.08	18.27	H
	28551	-51.24	-40	-11.24	-76.73	-68.47	2.31	19.54	H
									H
	7140	-58.66	-40	-18.66	-60.44	-68.54	1.80	11.68	V
	10710	-53.25	-40	-13.25	-55.3	-61.65	2.50	10.90	V
	14272	-56.50	-40	-16.50	-63.19	-65.18	2.86	11.55	V
	21413	-53.96	-40	-13.96	-75.46	-70.71	1.95	18.70	V
	24982	-51.09	-40	-11.09	-76.9	-67.28	2.08	18.27	V
	28551	-49.48	-40	-9.48	-76.84	-66.71	2.31	19.54	V
									V
Middle	7250	-54.58	-40	-14.58	-56.94	-64.23	1.86	11.50	H
	10875	-53.30	-40	-13.30	-55.63	-61.62	2.59	10.90	H
	14498	-57.07	-40	-17.07	-64.37	-65.22	2.85	11.00	H
	18219	-54.49	-40	-14.49	-72.68	-70.64	1.80	17.96	H
	21863	-53.81	-40	-13.81	-75.49	-70.60	2.05	18.85	H
	25507	-51.05	-40	-11.05	-76.52	-67.89	2.17	19.00	H
									H
	7250	-58.74	-40	-18.74	-60.85	-68.39	1.86	11.50	V
	10875	-54.61	-40	-14.61	-56.74	-62.93	2.59	10.90	V
	14498	-57.90	-40	-17.90	-64.3	-66.06	2.85	11.00	V
	18219	-55.55	-40	-15.55	-72.84	-71.70	1.80	17.96	V
	21863	-53.81	-40	-13.81	-75.48	-70.60	2.05	18.85	V
	25507	-50.01	-40	-10.01	-76.82	-66.85	2.17	19.00	V
									V



Highest	7350	-56.69	-40	-16.69	-59.03	-66.12	1.91	11.34	H
	11035	-58.72	-40	-18.72	-61.17	-67.03	2.64	10.94	H
	14718	-55.29	-40	-15.29	-64.08	-64.08	2.91	11.70	H
	18396	-54.12	-40	-14.12	-72.42	-70.18	1.86	17.92	H
	22075	-53.17	-40	-13.17	-75.29	-69.96	2.08	18.87	H
	25754	-50.58	-40	-10.58	-76.54	-67.59	2.04	19.05	H
									H
	7358	-59.43	-40	-19.43	-61.56	-68.84	1.91	11.33	V
	11037	-59.21	-40	-19.21	-61.49	-67.52	2.63	10.94	V
	14716	-57.48	-40	-17.48	-64.62	-66.26	2.91	11.69	V
	18396	-55.83	-40	-15.83	-73.25	-71.89	1.86	17.92	V
	22075	-53.73	-40	-13.73	-75.85	-70.52	2.08	18.87	V
	25754	-49.83	-40	-9.83	-76.98	-66.84	2.04	19.05	V
									V

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



<ASDIV Antenna>

Ant. 2

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)
Lowest	7100	-57.68	-40	-17.68	-59.65	-67.65	1.77	11.74	H
	10655	-57.34	-40	-17.34	-59.62	-65.77	2.47	10.90	H
	14205	-55.71	-40	-15.71	-62.77	-64.55	2.87	11.71	H
	21306	-53.23	-40	-13.23	-75.09	-69.95	1.98	18.70	H
	24857	-51.84	-40	-11.84	-76.5	-67.85	2.07	18.07	H
	28408	-50.41	-40	-10.41	-75.93	-67.65	2.32	19.56	H
									H
	7100	-58.50	-40	-18.50	-60.08	-68.47	1.77	11.74	V
	10655	-58.14	-40	-18.14	-60.16	-66.57	2.47	10.90	V
	14205	-55.98	-40	-15.98	-62.76	-64.82	2.87	11.71	V
	21306	-53.91	-40	-13.91	-75.63	-70.63	1.98	18.70	V
	24857	-51.28	-40	-11.28	-77.15	-67.29	2.07	18.07	V
	28408	-48.39	-40	-8.39	-75.73	-65.63	2.32	19.56	V
									V



Middle	7230	-53.81	-40	-13.81	-56.18	-63.50	1.84	11.53	H
	10850	-58.12	-40	-18.12	-60.45	-66.45	2.57	10.90	H
	14462	-56.16	-40	-16.16	-63.43	-64.40	2.85	11.09	H
	18080	-53.19	-40	-13.19	-71.3	-69.42	1.76	17.98	H
	21696	-53.18	-40	-13.18	-74.7	-69.97	1.99	18.78	H
	25312	-50.90	-40	-10.90	-76.06	-67.50	2.14	18.74	H
									H
	7230	-56.94	-40	-16.94	-59.05	-66.63	1.84	11.53	V
	10850	-57.41	-40	-17.41	-59.53	-65.74	2.57	10.90	V
	14462	-56.95	-40	-16.95	-63.4	-65.19	2.85	11.09	V
	18080	-54.44	-40	-14.44	-71.62	-70.67	1.76	17.98	V
	21696	-54.10	-40	-14.10	-75.61	-70.89	1.99	18.78	V
	25312	-50.27	-40	-10.27	-76.69	-66.87	2.14	18.74	V
									V
Highest	7360	-56.87	-40	-16.87	-59.21	-66.28	1.91	11.32	H
	11045	-58.46	-40	-18.46	-60.94	-66.78	2.63	10.95	H
	14724	-55.48	-40	-15.48	-64.32	-64.28	2.91	11.72	H
	18405	-54.00	-40	-14.00	-72.32	-70.05	1.87	17.92	H
	22086	-52.58	-40	-12.58	-74.75	-69.37	2.08	18.87	H
	25767	-50.42	-40	-10.42	-76.41	-67.44	2.03	19.05	H
									H
	7360	-57.13	-40	-17.13	-59.28	-66.54	1.91	11.32	V
	11045	-57.85	-40	-17.85	-60.16	-66.17	2.63	10.95	V
	14724	-57.08	-40	-17.08	-64.25	-65.88	2.91	11.72	V
	18405	-55.79	-40	-15.79	-73.23	-71.84	1.87	17.92	V
	22086	-53.46	-40	-13.46	-75.63	-70.25	2.08	18.87	V
	25767	-49.63	-40	-9.63	-76.81	-66.65	2.03	19.05	V
									V

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



LTE 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	-53.85	-40	-13.85	-55.98	-63.73	1.80	11.68	H
	10705	-57.75	-40	-17.75	-60.04	-66.15	2.50	10.90	H
	14279	-56.25	-40	-16.25	-63.36	-64.92	2.86	11.53	H
	21413	-54.12	-40	-14.12	-75.69	-70.87	1.95	18.70	H
	24982	-51.70	-40	-11.70	-76.36	-67.89	2.08	18.27	H
	28551	-51.14	-40	-11.14	-76.63	-68.37	2.31	19.54	H
									H
	7140	-55.97	-40	-15.97	-57.75	-65.85	1.80	11.68	V
	10705	-58.39	-40	-18.39	-60.44	-66.79	2.50	10.90	V
	14279	-56.63	-40	-16.63	-63.31	-65.30	2.86	11.53	V
	21413	-53.37	-40	-13.37	-74.87	-70.12	1.95	18.70	V
	24982	-50.06	-40	-10.06	-75.87	-66.25	2.08	18.27	V
	28551	-48.77	-40	-8.77	-76.13	-66.00	2.31	19.54	V
									V
Middle	7250	-54.48	-40	-14.48	-56.84	-64.13	1.86	11.50	H
	10870	-58.33	-40	-18.33	-60.66	-66.65	2.58	10.90	H
	14498	-56.95	-40	-16.95	-64.25	-65.10	2.85	11.00	H
	18119	-53.73	-40	-13.73	-71.86	-69.94	1.77	17.98	H
	21743	-53.99	-40	-13.99	-75.55	-70.78	2.01	18.80	H
	25367	-51.50	-40	-11.50	-76.74	-68.17	2.15	18.81	H
									H
	7250	-55.73	-40	-15.73	-57.84	-65.38	1.86	11.50	V
	10870	-58.71	-40	-18.71	-60.84	-67.03	2.58	10.90	V
	14498	-57.79	-40	-17.79	-64.19	-65.94	2.85	11.00	V
	18119	-53.94	-40	-13.94	-71.15	-70.15	1.77	17.98	V
	21743	-53.97	-40	-13.97	-75.52	-70.76	2.01	18.80	V
	25367	-49.20	-40	-9.20	-75.73	-65.87	2.15	18.81	V
									V



Highest	7360	-55.14	-40	-15.14	-57.48	-64.55	1.91	11.32	H
	11035	-58.83	-40	-18.83	-61.28	-67.14	2.64	10.94	H
	14718	-55.90	-40	-15.90	-64.69	-64.69	2.91	11.70	H
	18395	-54.39	-40	-14.39	-72.69	-70.45	1.86	17.92	H
	22074	-53.20	-40	-13.20	-75.32	-69.99	2.08	18.87	H
	25753	-50.81	-40	-10.81	-76.77	-67.82	2.04	19.05	H
									H
	7360	-54.26	-40	-14.26	-56.41	-63.67	1.91	11.32	V
	11035	-58.89	-40	-18.89	-61.17	-67.20	2.64	10.94	V
	14718	-57.14	-40	-17.14	-64.29	-65.93	2.91	11.70	V
	18395	-54.98	-40	-14.98	-72.4	-71.04	1.86	17.92	V
	22074	-52.53	-40	-12.53	-74.65	-69.32	2.08	18.87	V
	25753	-49.23	-40	-9.23	-76.38	-66.24	2.04	19.05	V
									V

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

————THE END————