



LTE Band 7

Conducted Output Power(Average power)

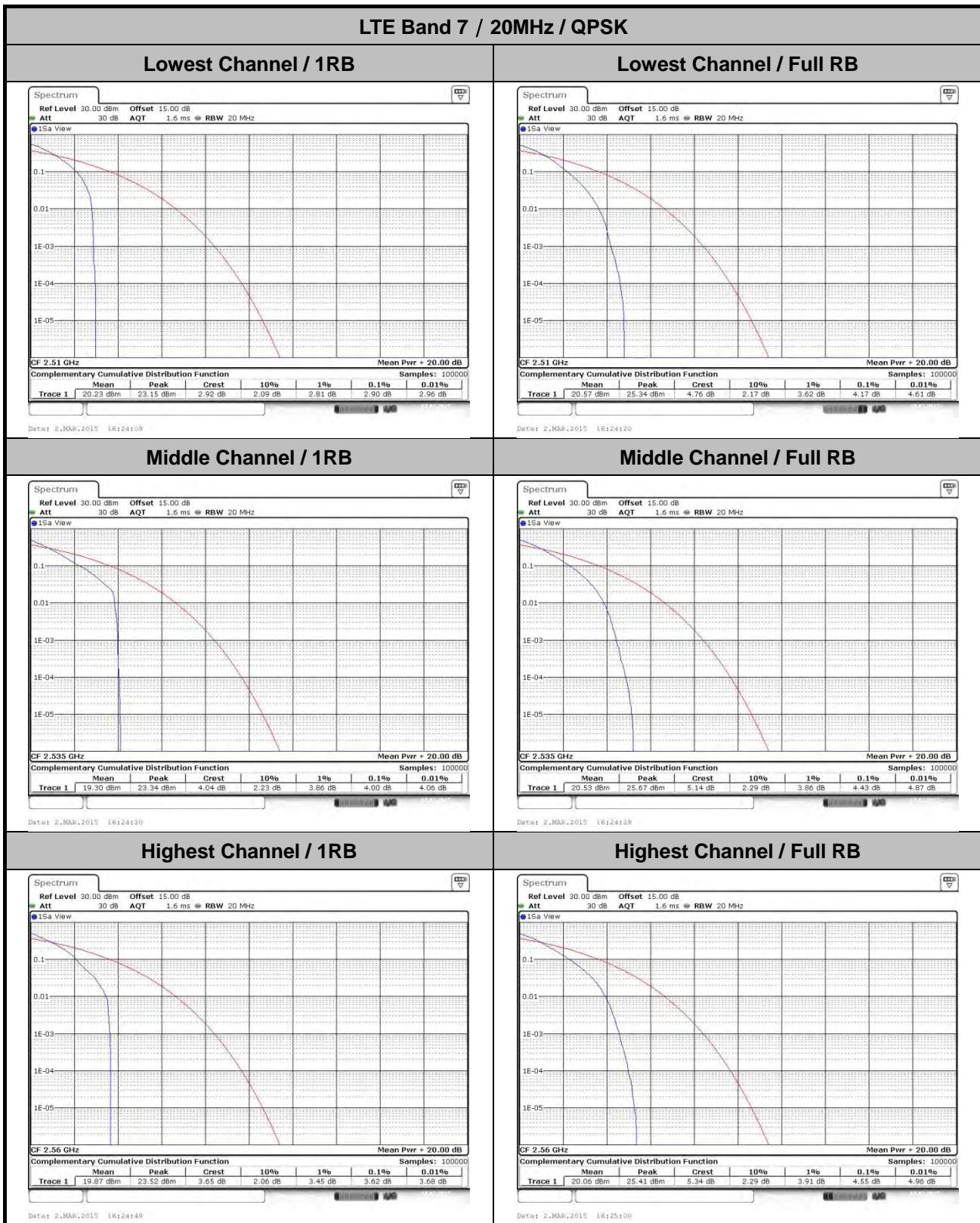
LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.00	22.08	22.05
	1	12		22.60	22.60	22.41
	1	24		21.96	21.91	22.08
	12	0		21.08	21.17	21.06
	12	6		21.22	21.24	21.07
	12	11		21.33	21.20	21.12
	25	0		21.26	21.13	21.07
	1	0		21.40	21.56	21.07
5	1	12	16-QAM	21.80	21.45	21.51
	1	24		21.35	21.19	21.01
	12	0		20.31	20.22	20.15
	12	6		20.27	20.26	20.19
	12	11		20.41	20.29	20.12
	25	0		20.40	20.27	20.00
	1	0		22.07	22.37	22.04
	1	24		22.06	22.05	21.77
10	1	49	QPSK	22.20	21.91	22.23
	25	0		21.33	21.06	21.09
	25	12		21.34	21.19	21.02
	25	24		21.30	21.18	21.07
	50	0		21.33	21.21	21.08
	1	0		20.87	21.62	21.96
	1	24		21.37	21.57	21.97
	1	49		21.60	21.20	21.57
10	25	0	16-QAM	20.30	20.18	20.25
	25	12		20.41	20.09	20.19
	25	24		20.35	20.10	20.23
	50	0		20.42	20.08	19.97

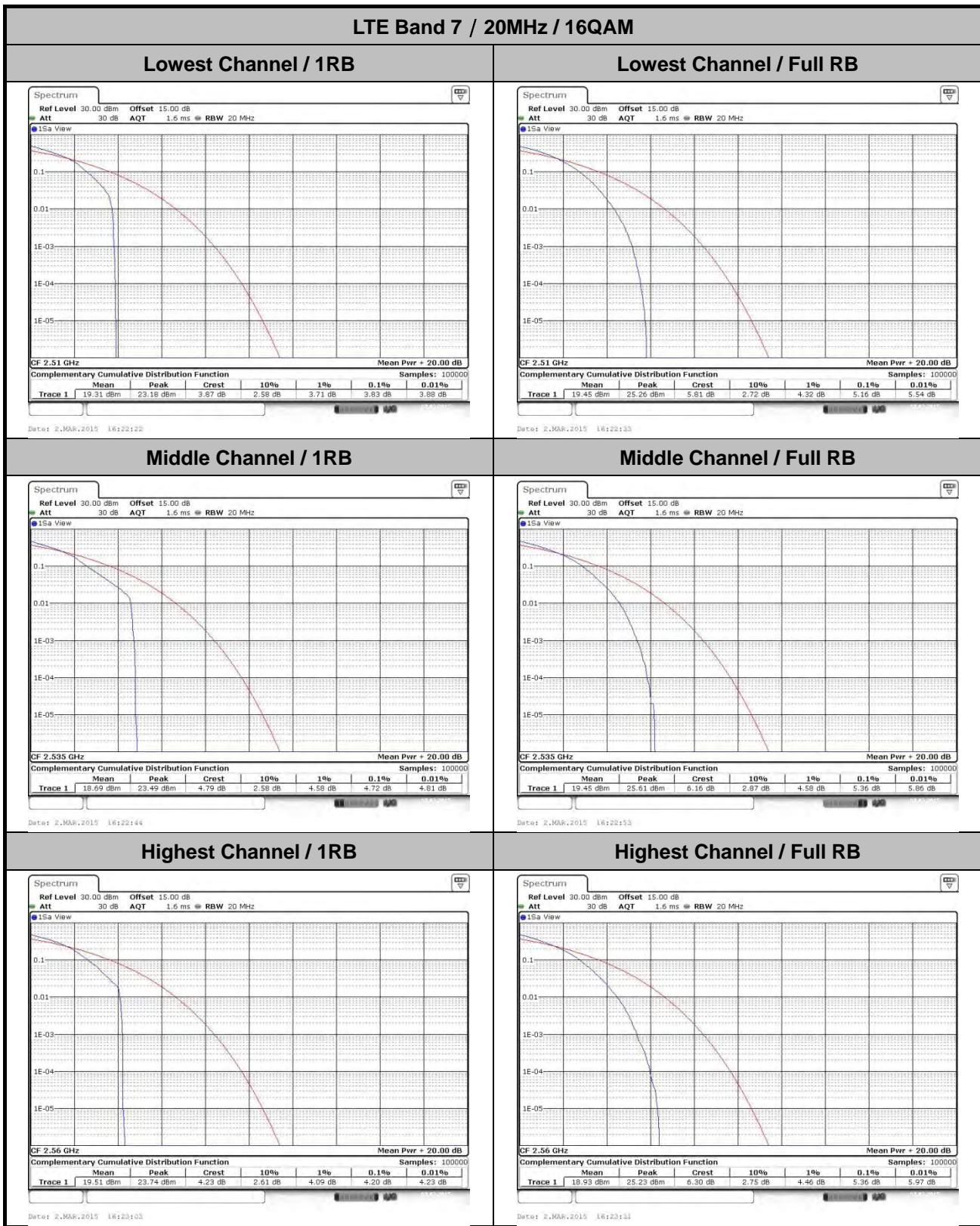


LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.21	22.20	22.29
	1	37		22.18	22.06	22.33
	1	74		22.32	22.11	22.07
	36	0		21.31	21.09	21.18
	36	18		21.26	21.13	20.98
	36	37		21.40	21.19	20.92
	75	0		21.30	21.18	21.05
15	1	0	16-QAM	21.49	21.39	21.87
	1	37		21.35	21.54	21.76
	1	74		21.43	21.45	21.43
	36	0		20.32	20.19	20.16
	36	18		20.32	20.13	20.09
	36	37		20.43	20.15	20.10
	75	0		20.18	20.17	20.06
20	1	0	QPSK	22.34	22.25	22.05
	1	49		22.67	22.42	22.06
	1	99		22.23	22.23	21.97
	50	0		21.32	21.14	21.30
	50	24		21.34	21.22	21.01
	50	49		21.29	21.12	20.98
	100	0		21.31	21.15	21.03
20	1	0	16-QAM	21.32	21.10	21.83
	1	49		21.03	21.13	20.83
	1	99		21.06	20.90	20.91
	50	0		20.23	20.24	20.16
	50	24		20.22	20.04	20.03
	50	49		20.20	20.08	19.96
	100	0		20.34	20.17	20.10

**Peak-to-Average Ratio**

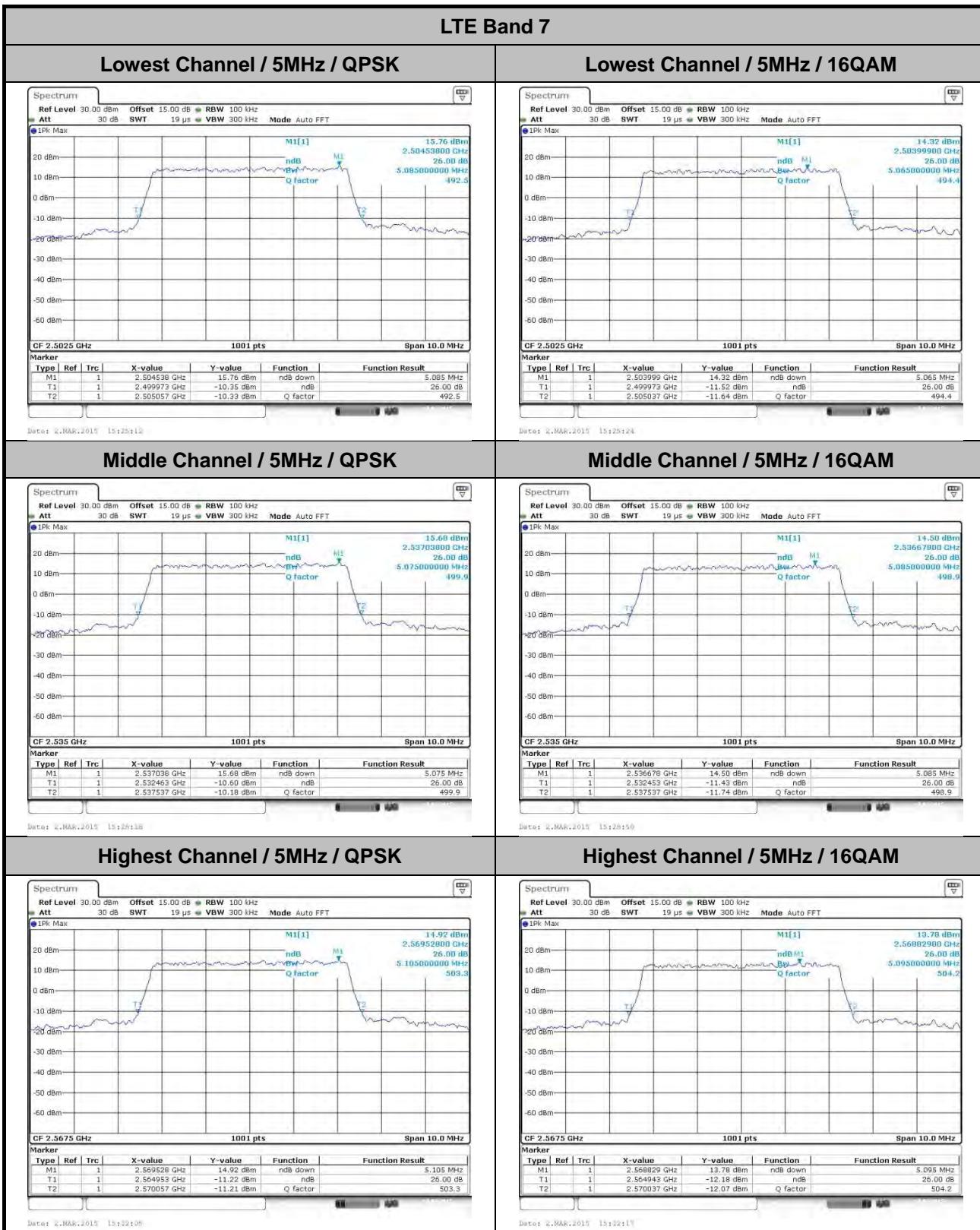
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	2.90	4.17	3.83	5.16	PASS
Middle CH	4.00	4.43	4.72	5.36	
Highest CH	3.62	4.55	4.20	5.36	

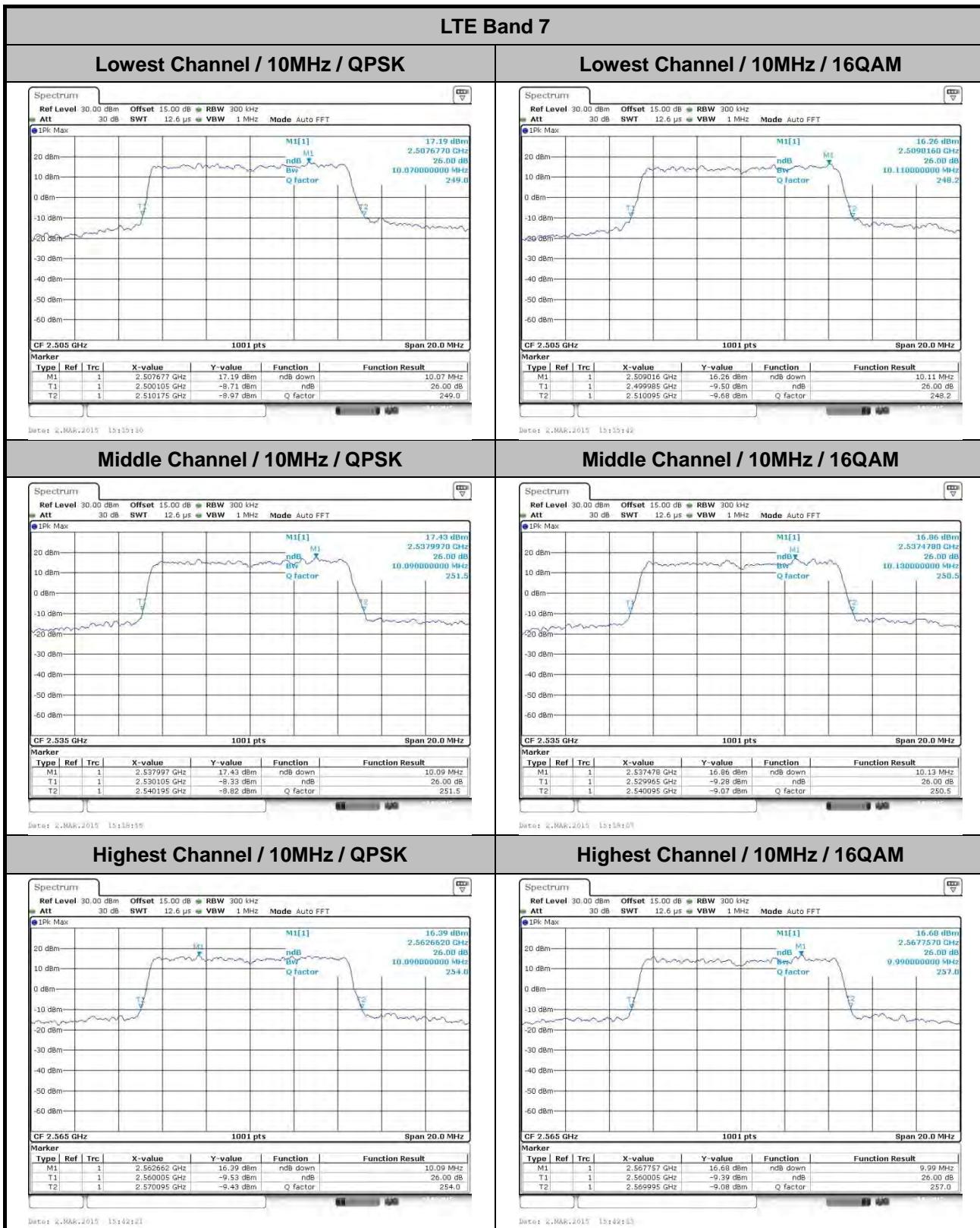


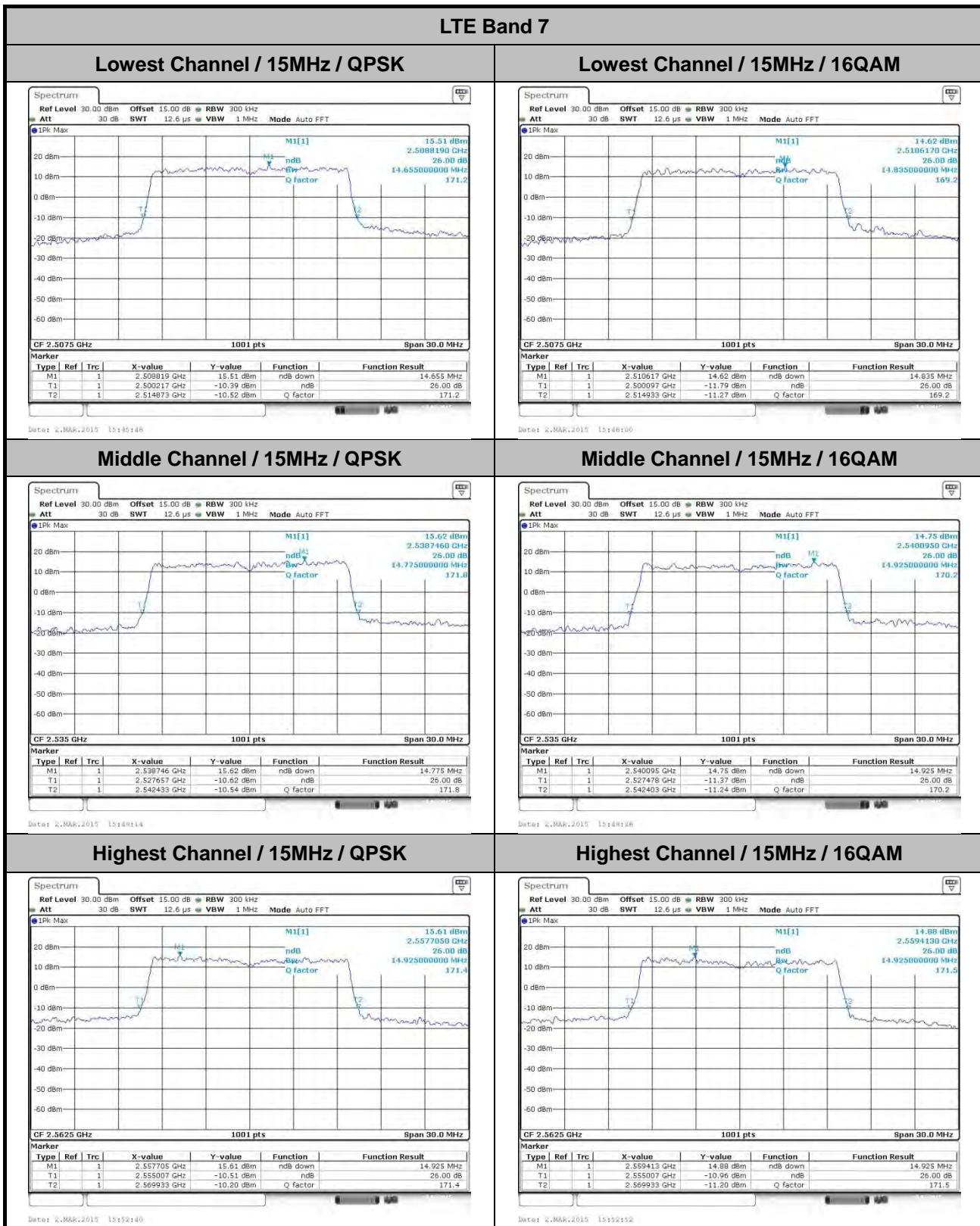


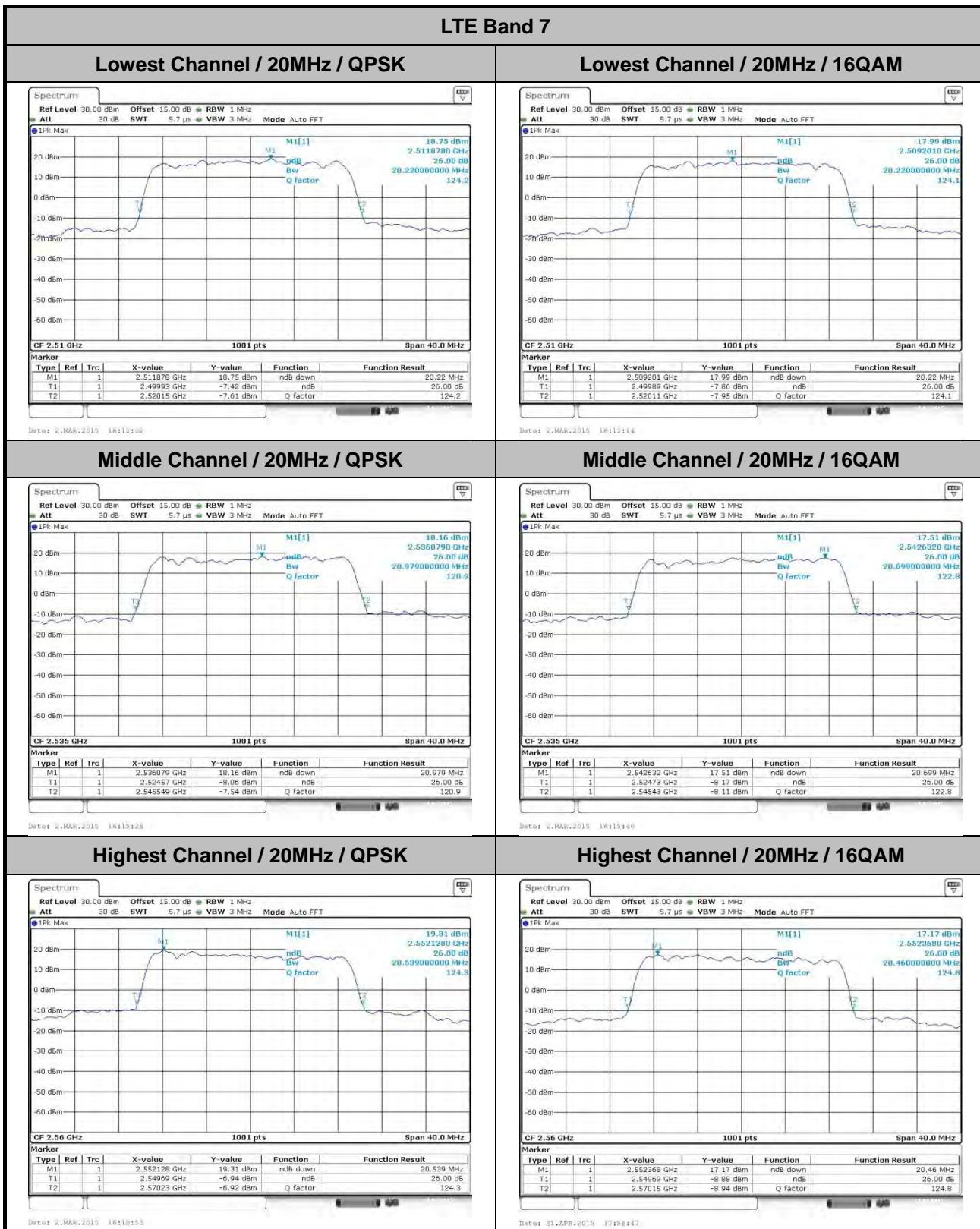
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.09	5.07	10.07	10.11	14.66	14.84	20.22	20.22
Middle CH	-	-	-	-	5.08	5.09	10.09	10.13	14.78	14.93	20.98	20.70
Highest CH	-	-	-	-	5.11	5.10	10.09	9.99	14.93	14.93	20.54	20.46



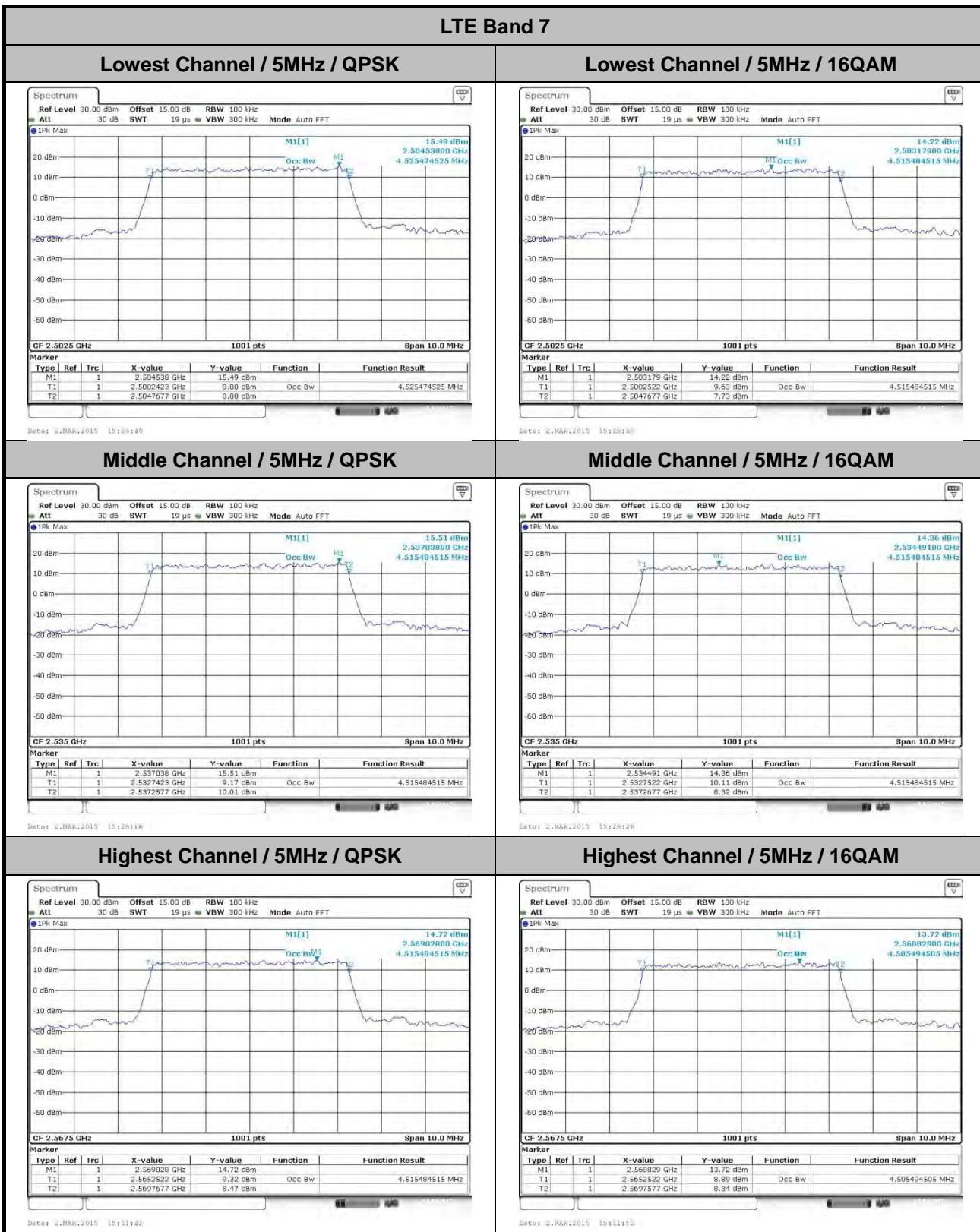






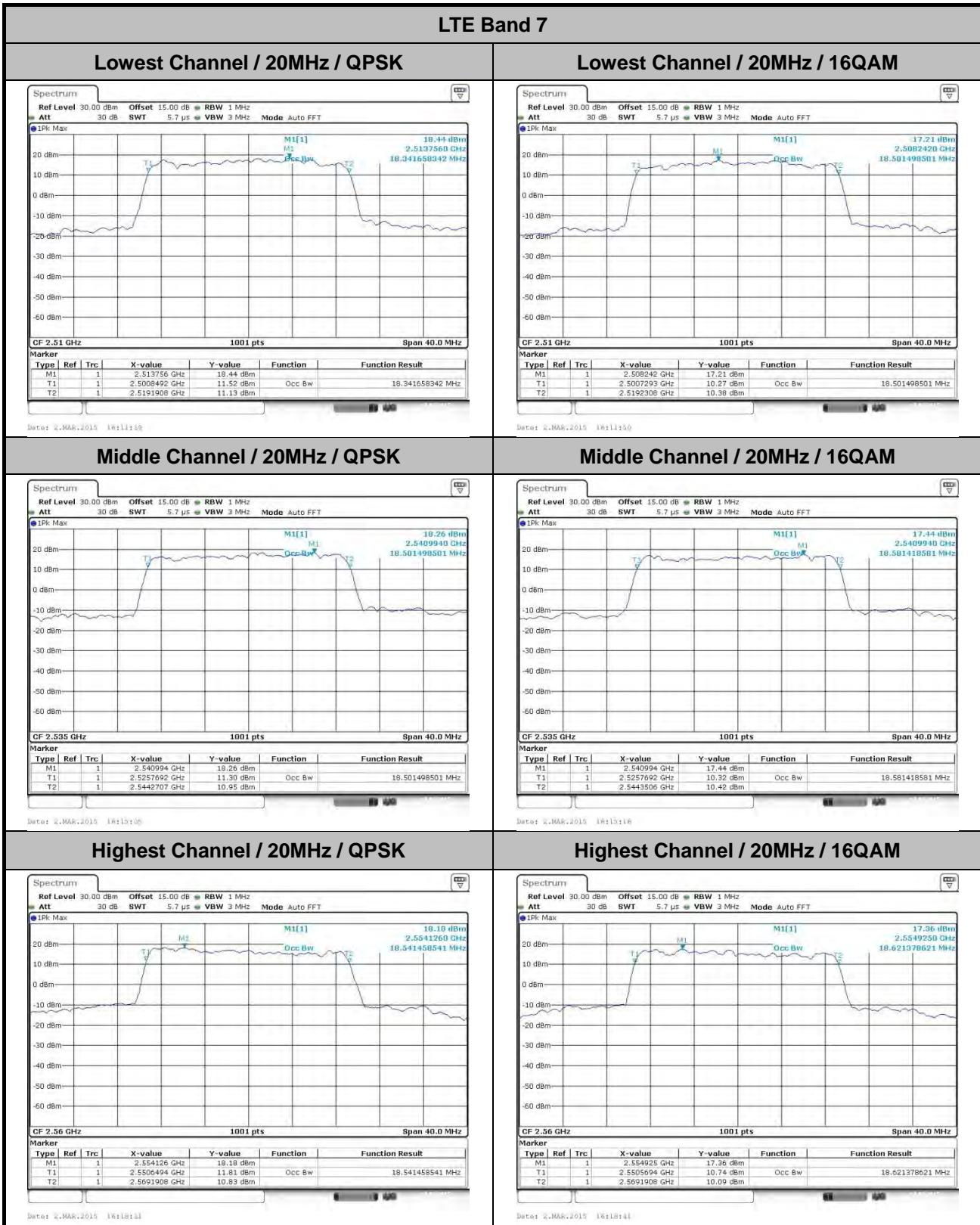
**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.53	4.52	9.05	9.05	13.49	13.49	18.34	18.50
Middle CH	-	-	-	-	4.52	4.52	9.09	9.07	13.55	13.52	18.50	18.58
Highest CH	-	-	-	-	4.52	4.51	9.07	9.05	13.58	13.55	18.54	18.62



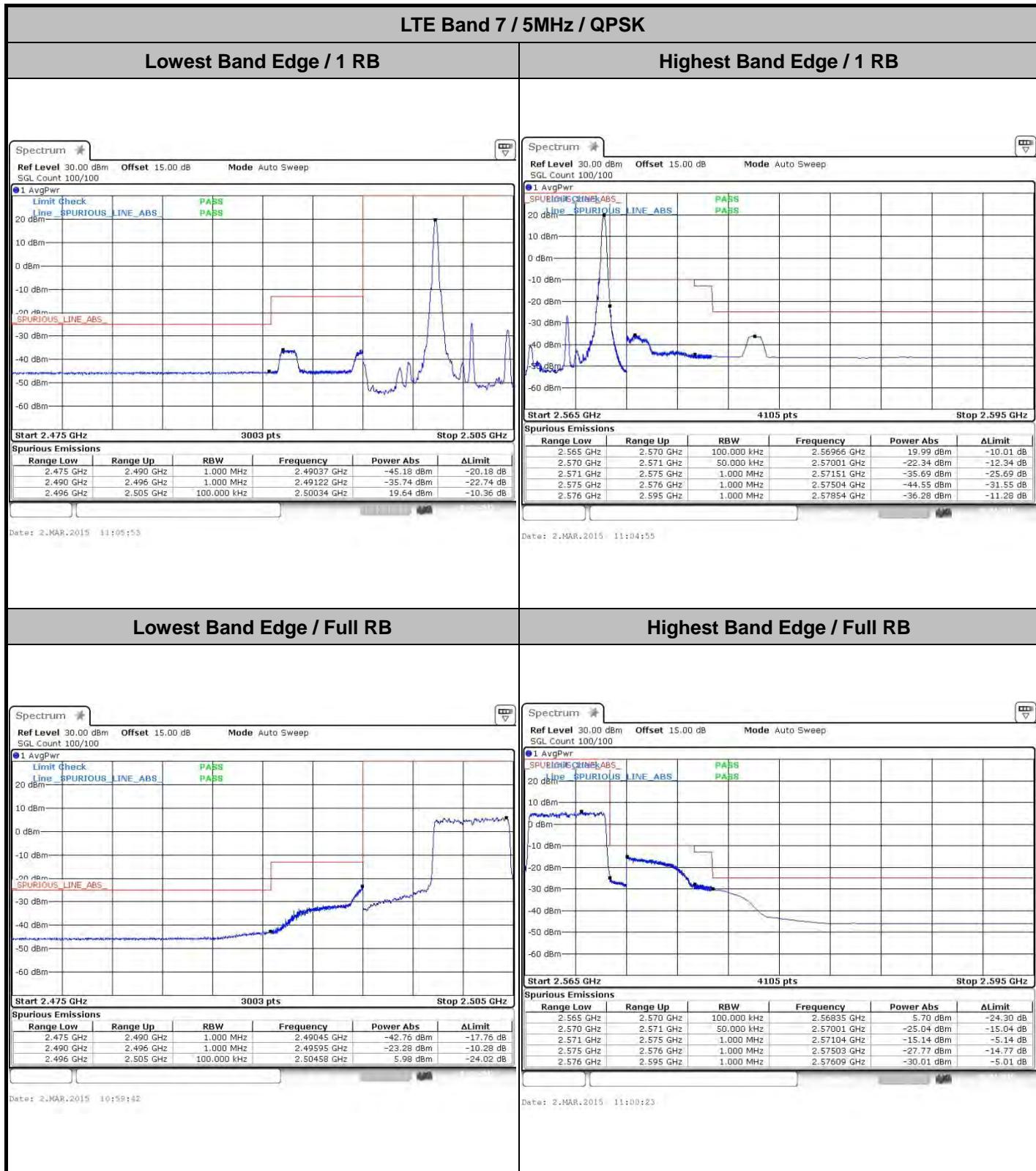


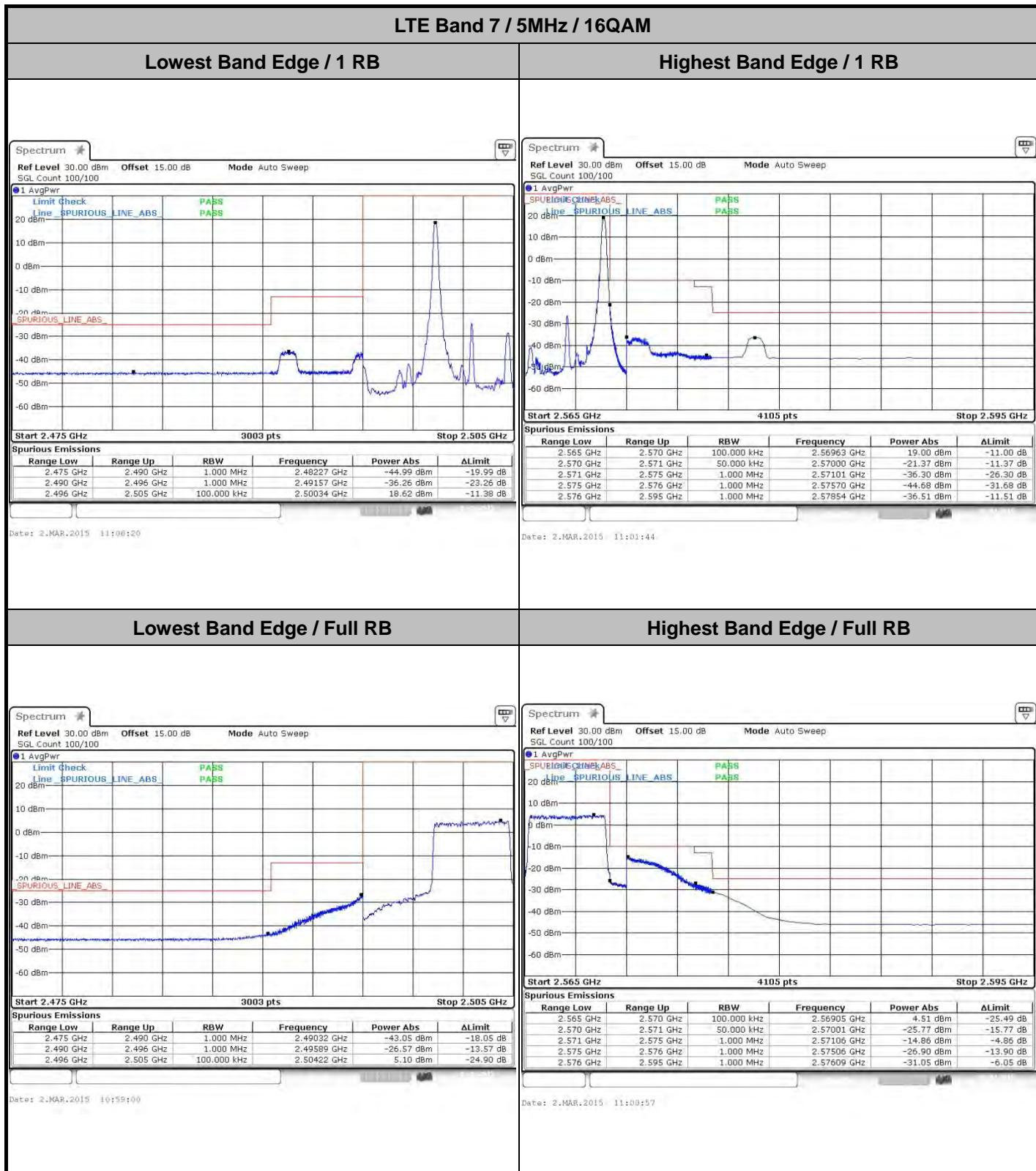


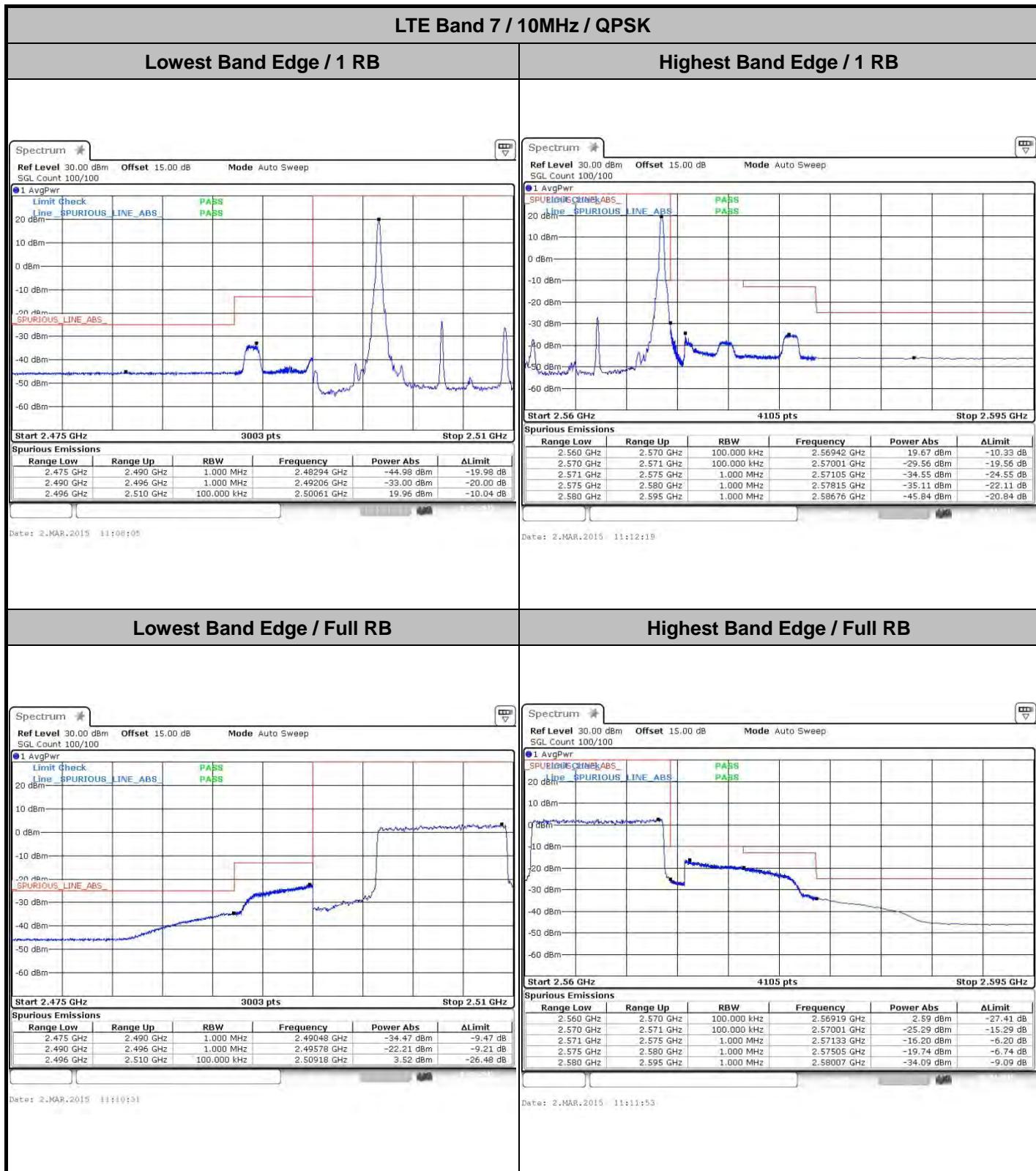


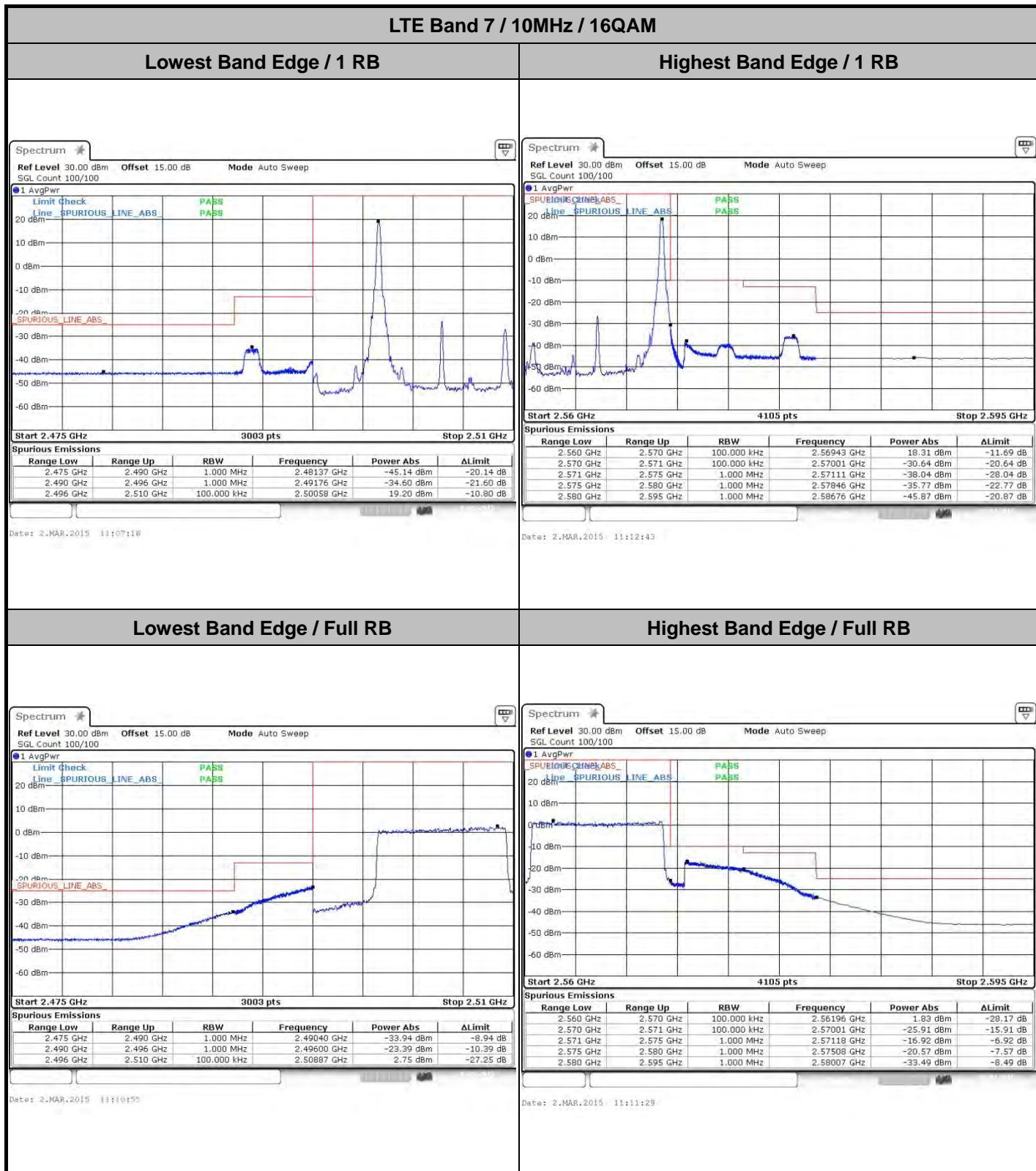


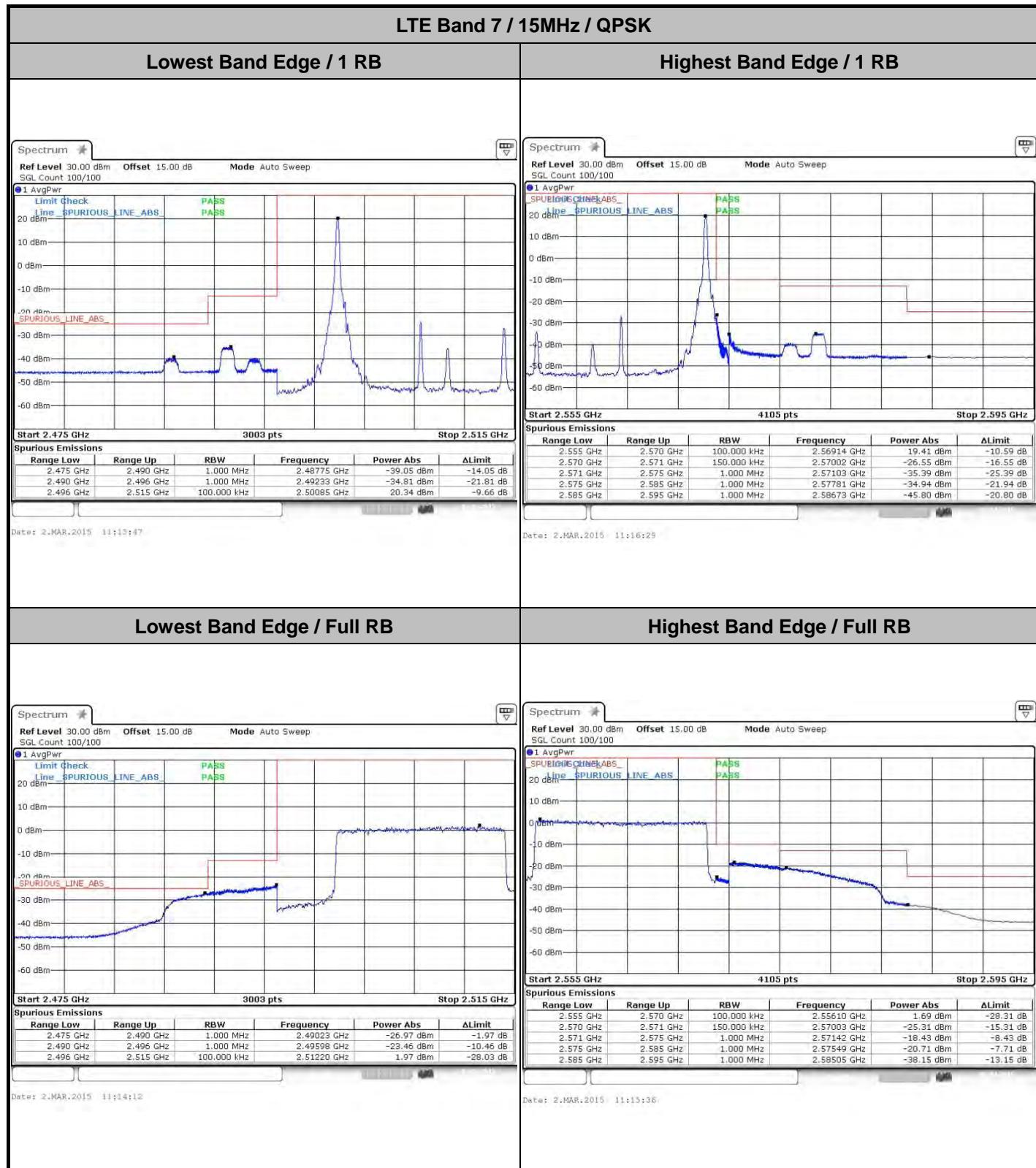
Conducted Band Edge

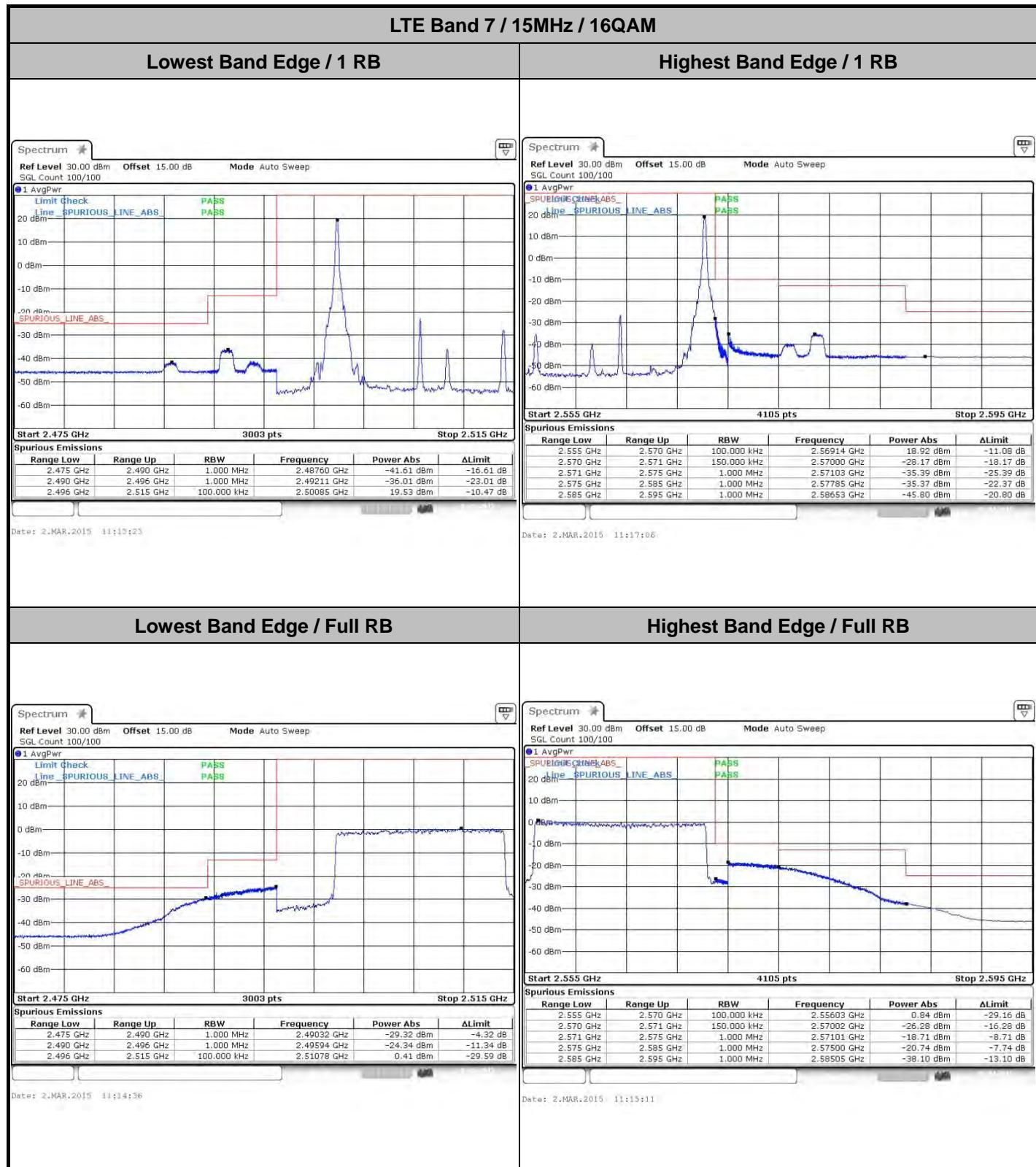


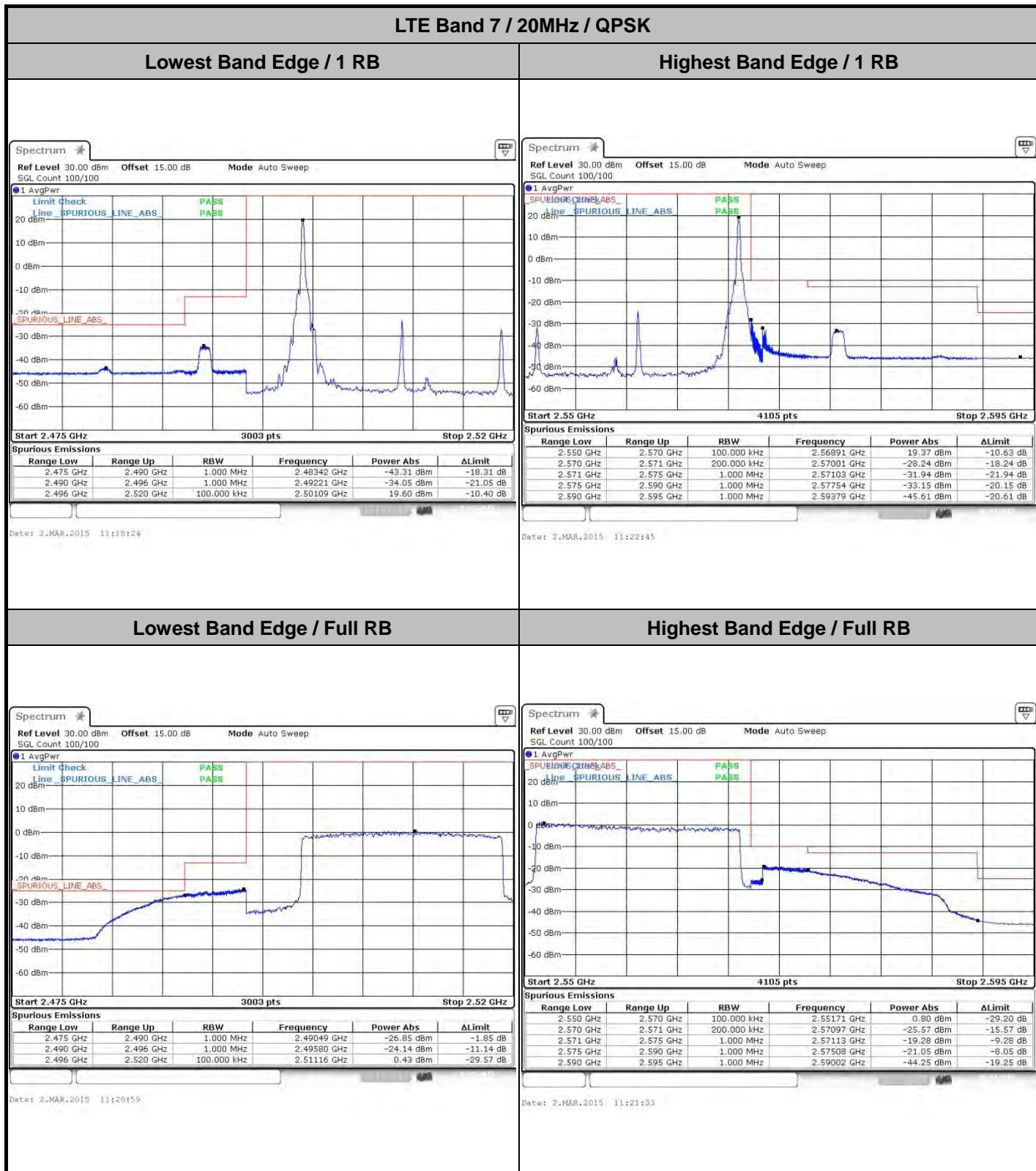


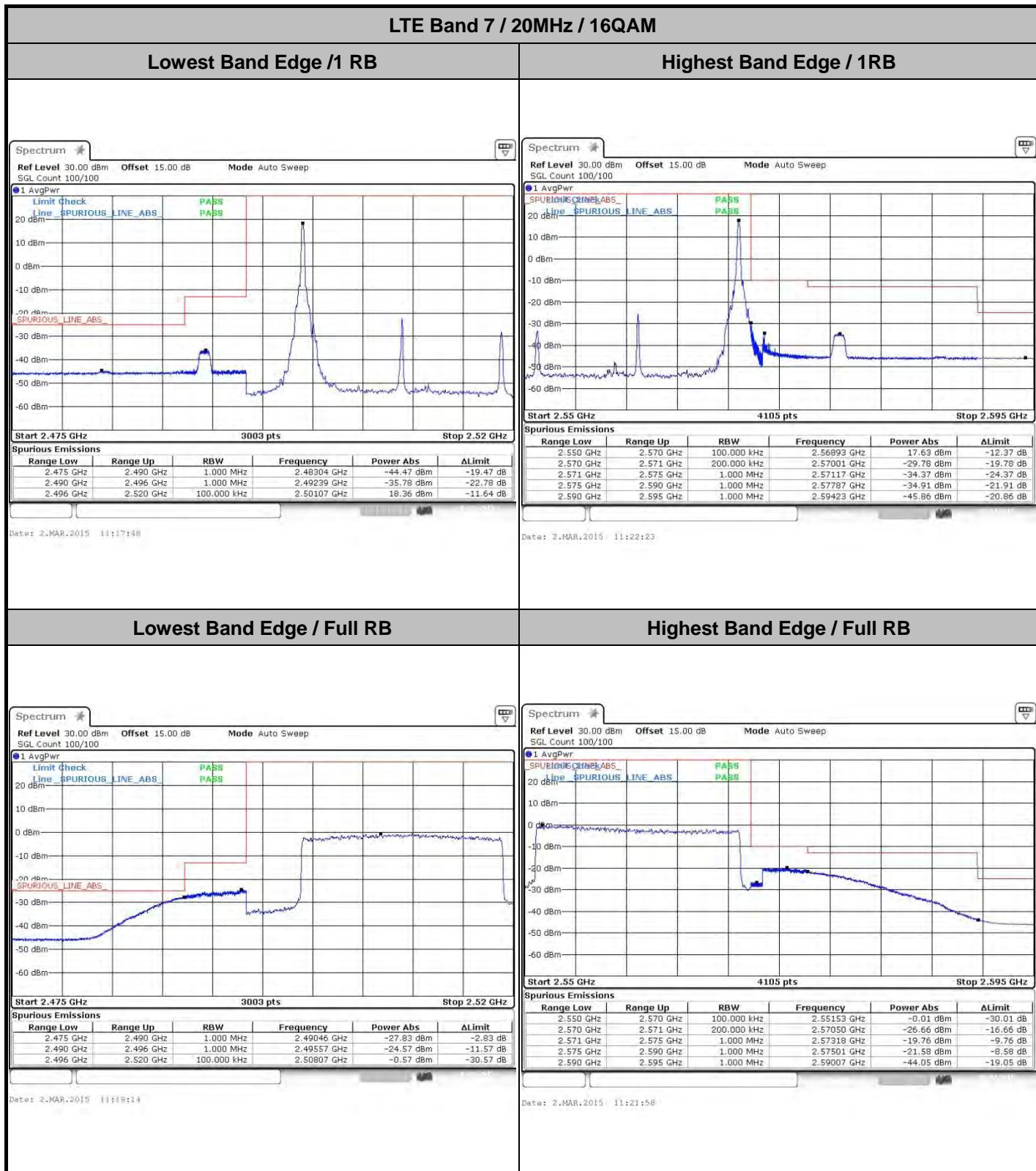












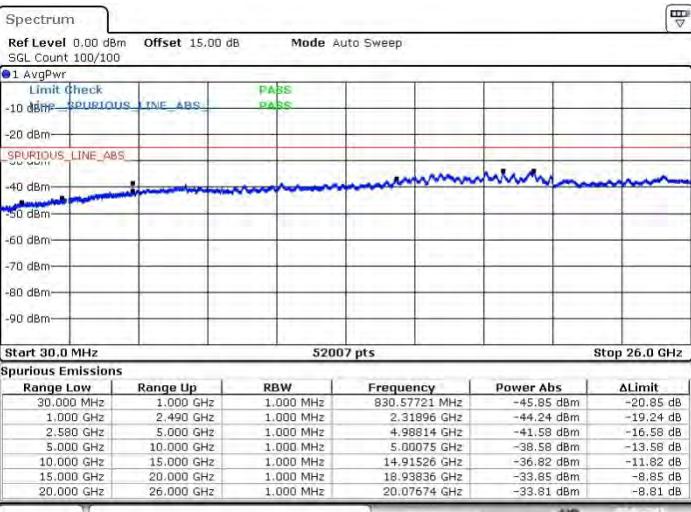
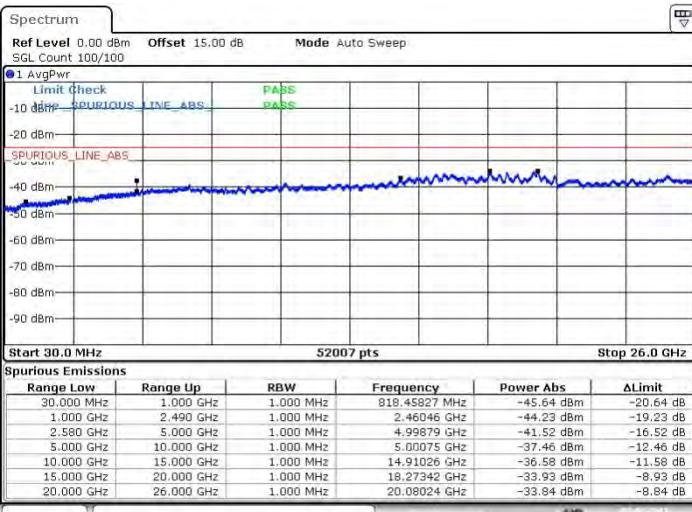


Conducted Spurious Emission

LTE Band 7 / 5MHz

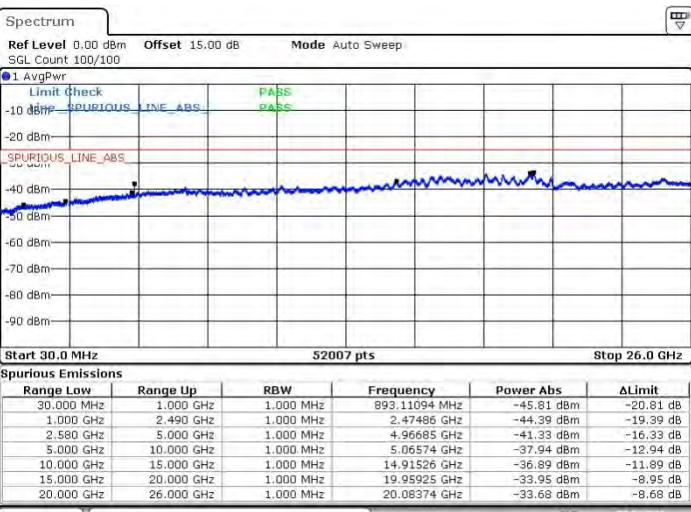
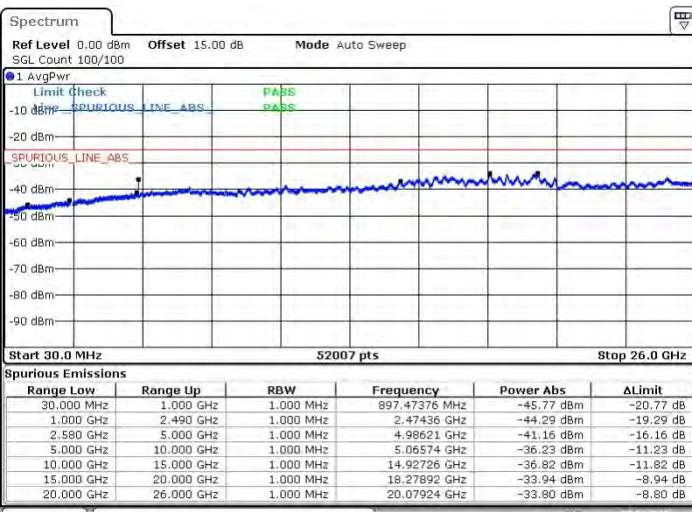
Lowest Channel / QPSK

Lowest Channel / 16QAM



Middle Channel / QPSK

Middle Channel / 16QAM

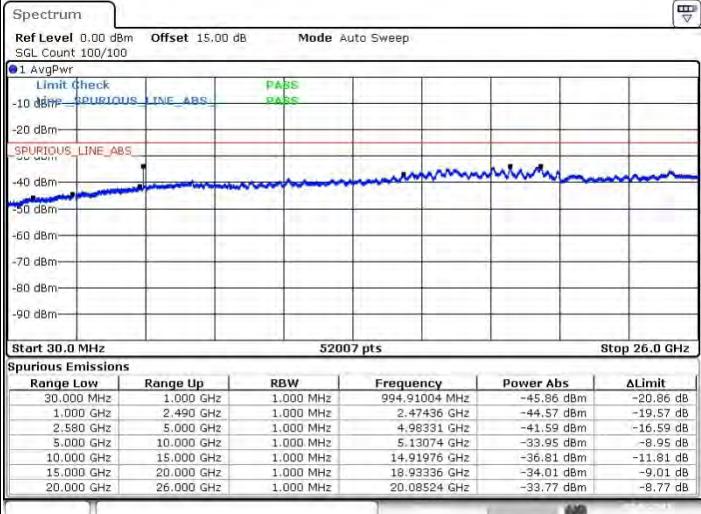
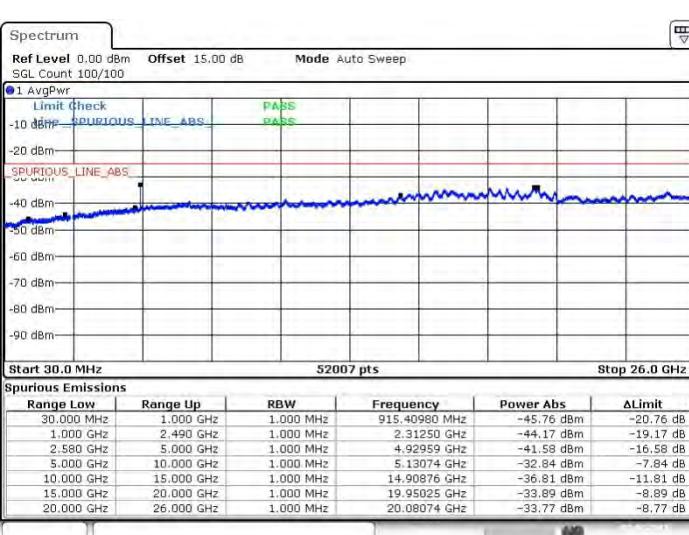




LTE Band 7 / 5MHz

Highest Channel / QPSK

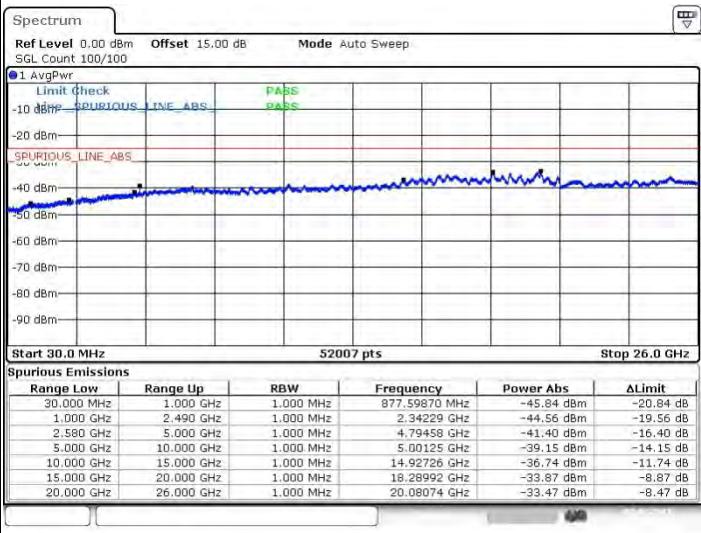
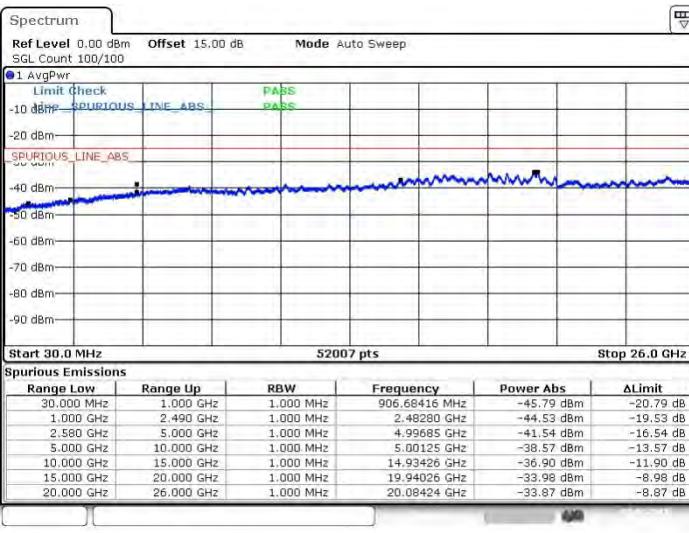
Highest Channel / 16QAM



LTE Band 7 / 10MHz

Lowest Channel / QPSK

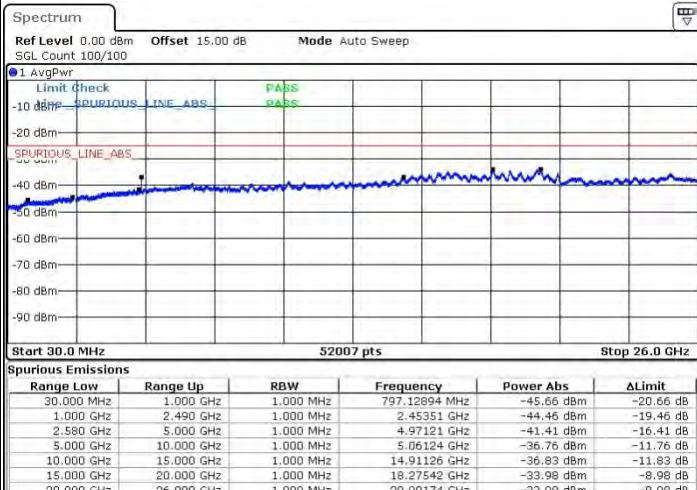
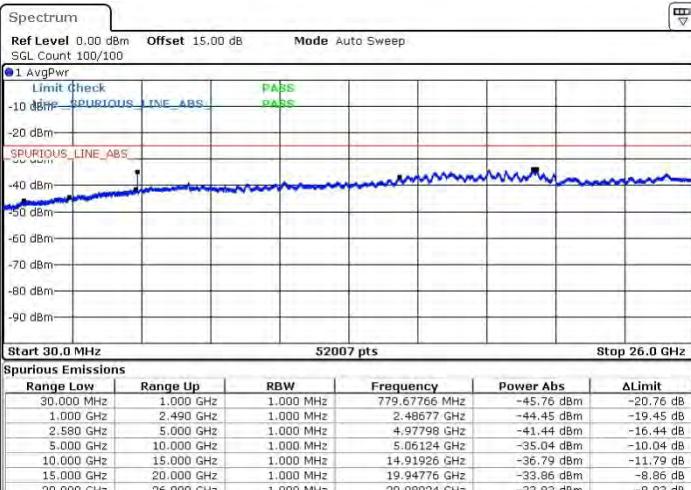
Lowest Channel / 16QAM



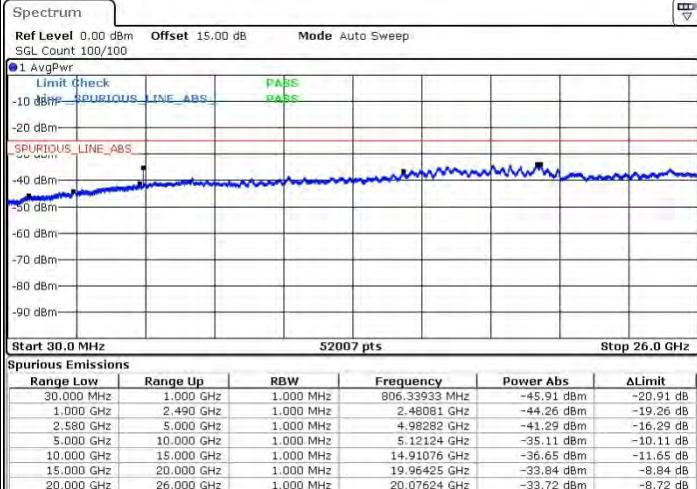
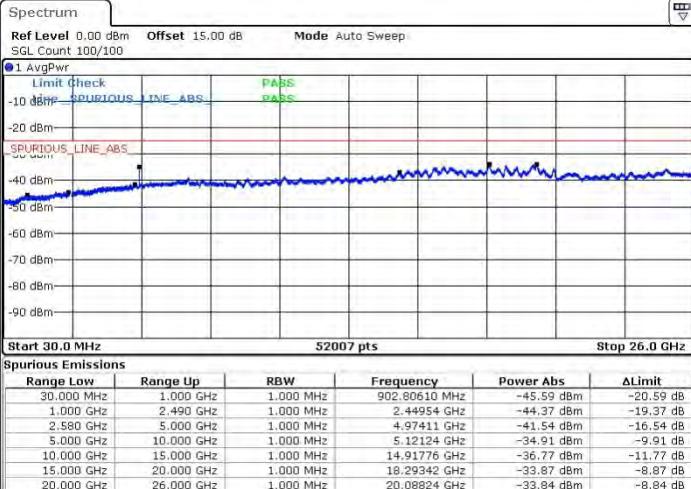


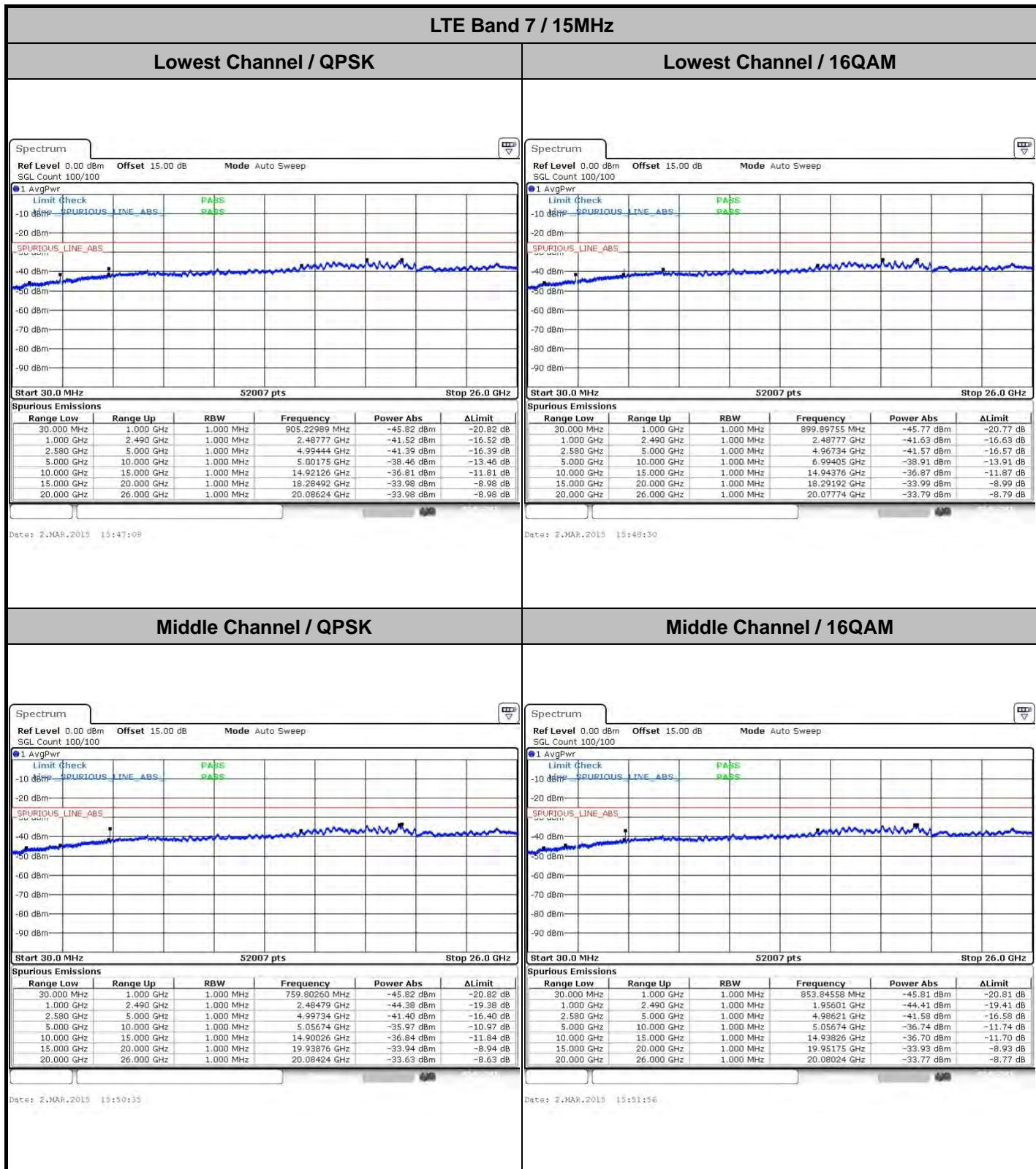
LTE Band 7 / 10MHz

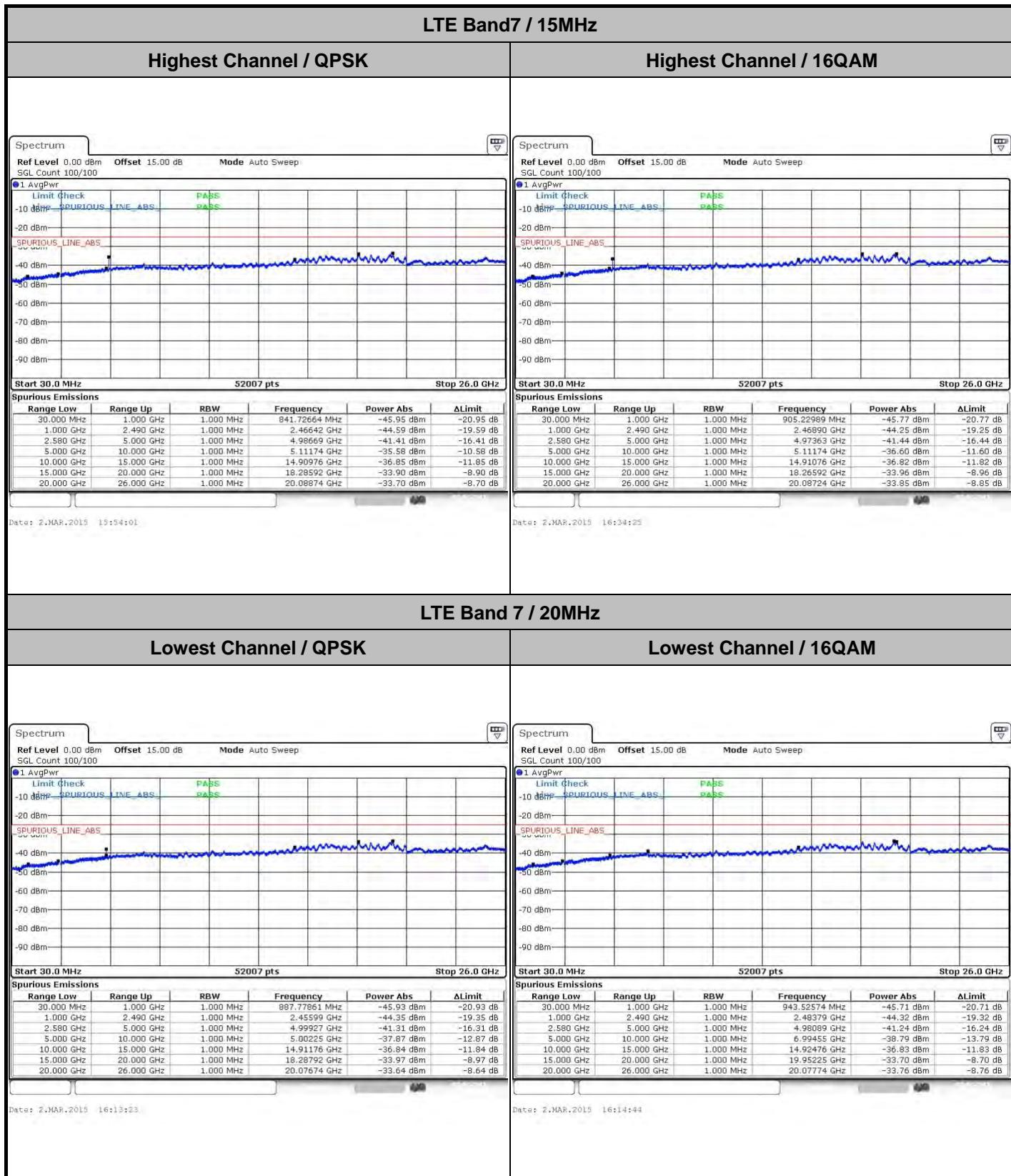
Middle Channel / QPSK

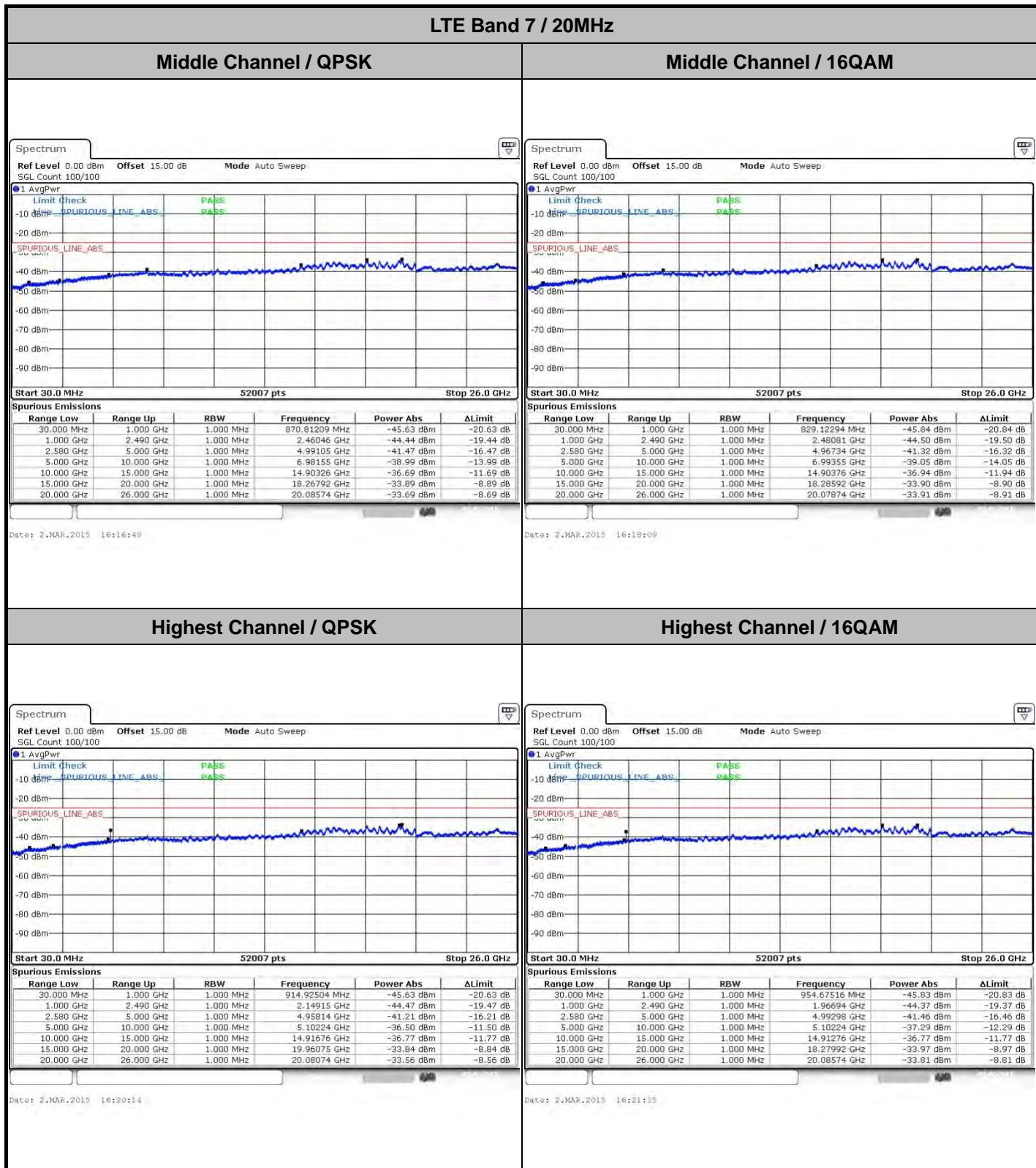


Highest Channel / QPSK











Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



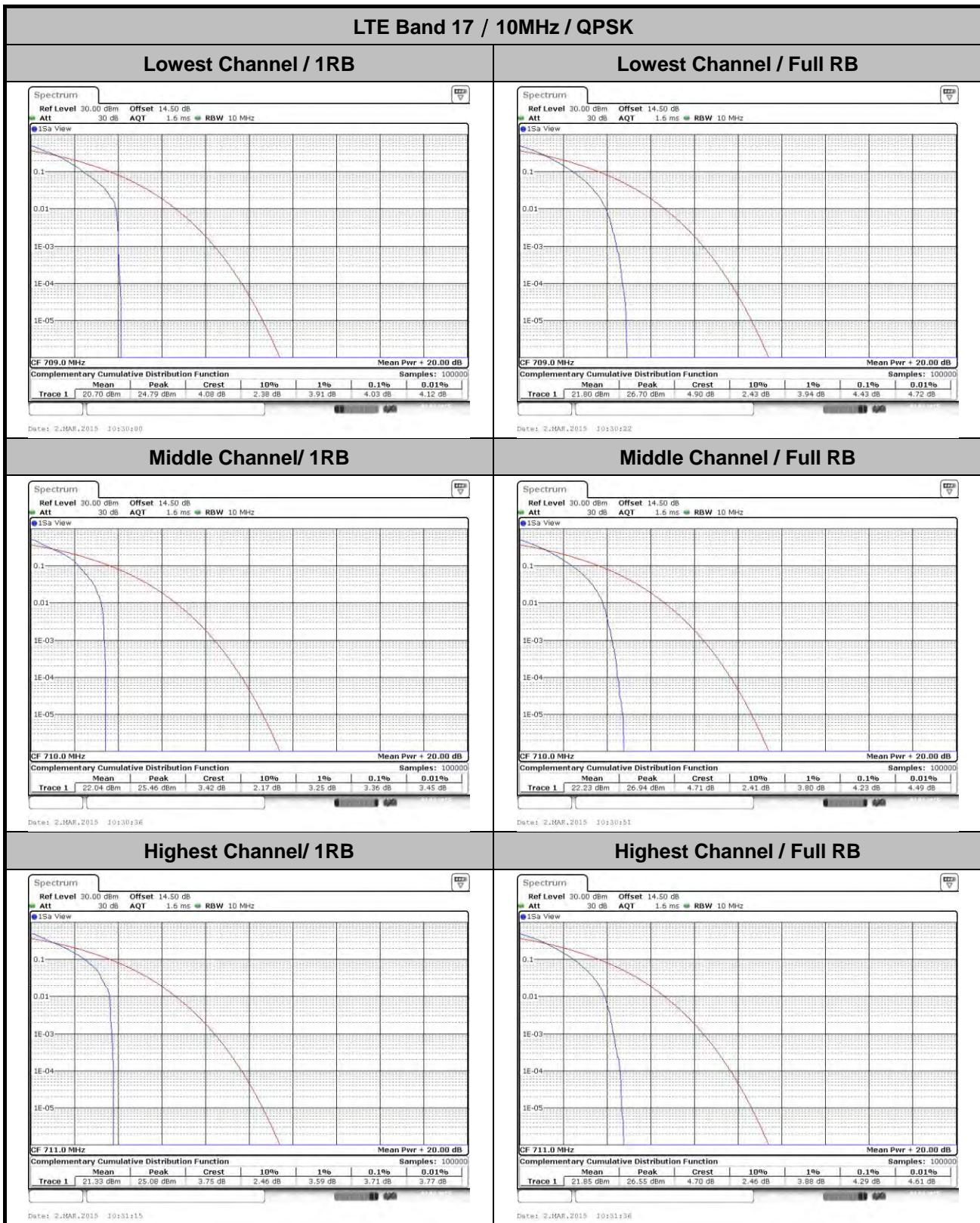
LTE Band 17

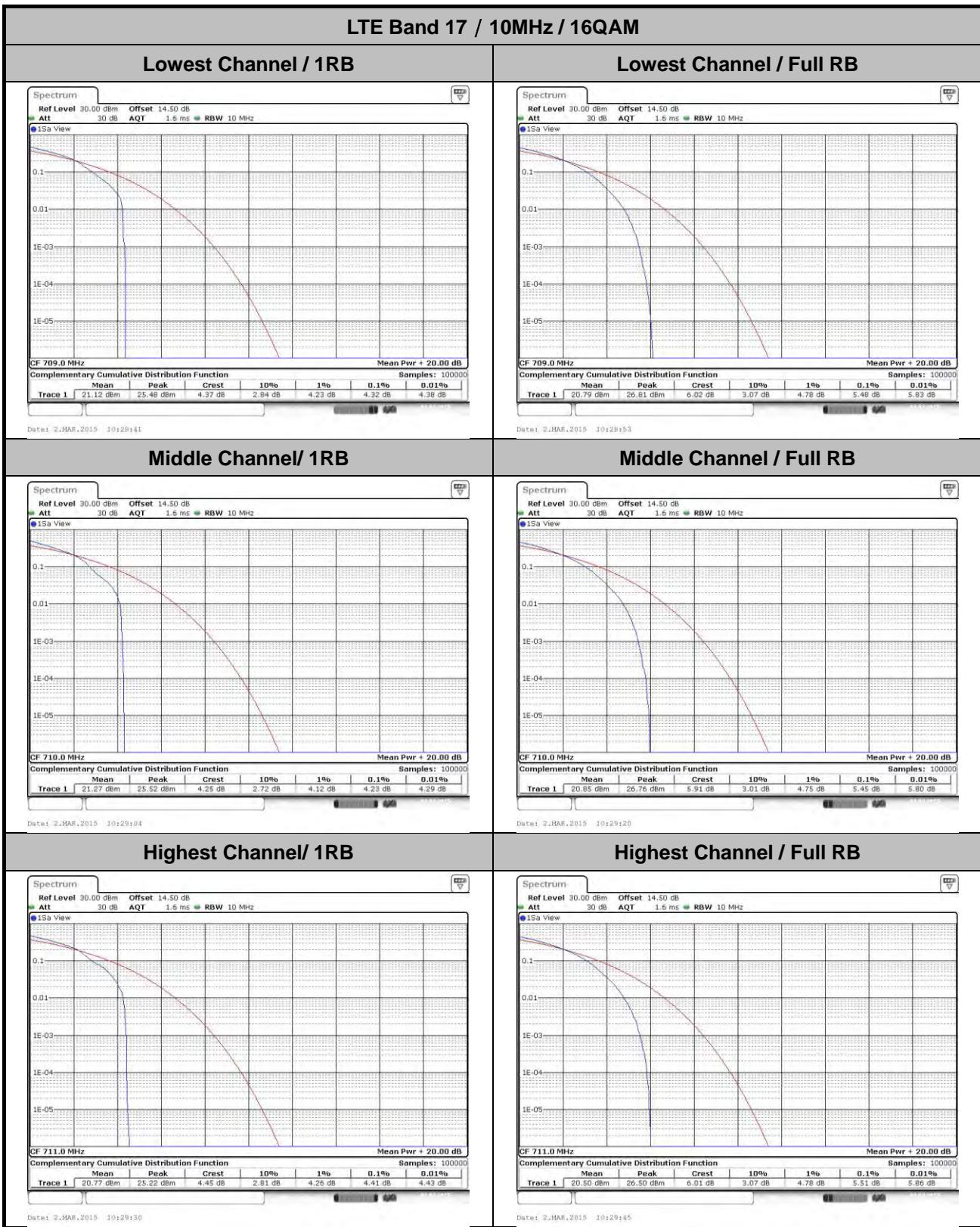
Conducted Output Power(Average power)

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.76	22.94	23.03
	1	12		22.87	22.97	22.86
	1	24		23.01	23.25	23.00
	12	0		21.87	22.12	22.22
	12	6		22.00	22.12	22.19
	12	11		21.93	22.24	22.16
	25	0		22.02	22.17	22.20
	1	0		22.30	22.87	22.80
5	1	12	16-QAM	22.10	22.78	22.97
	1	24		22.56	22.60	22.63
	12	0		20.84	21.12	21.12
	12	6		21.02	21.12	21.03
	12	11		21.07	21.24	21.02
	25	0		20.90	21.12	21.06
	1	0		23.16	23.19	23.29
	1	24		23.12	23.42	23.67
10	1	49	QPSK	23.33	23.38	23.00
	25	0		22.07	22.13	22.17
	25	12		22.13	22.27	22.29
	25	24		22.24	22.26	22.27
	50	0		22.13	22.14	22.24
	1	0		22.63	22.34	22.84
	1	24		22.32	22.55	22.71
	1	49		22.82	22.74	22.32
10	25	0	16-QAM	21.18	21.06	21.13
	25	12		21.07	21.05	21.07
	25	24		21.27	21.11	21.20
	50	0		21.10	21.03	21.10

**Peak-to-Average Ratio**

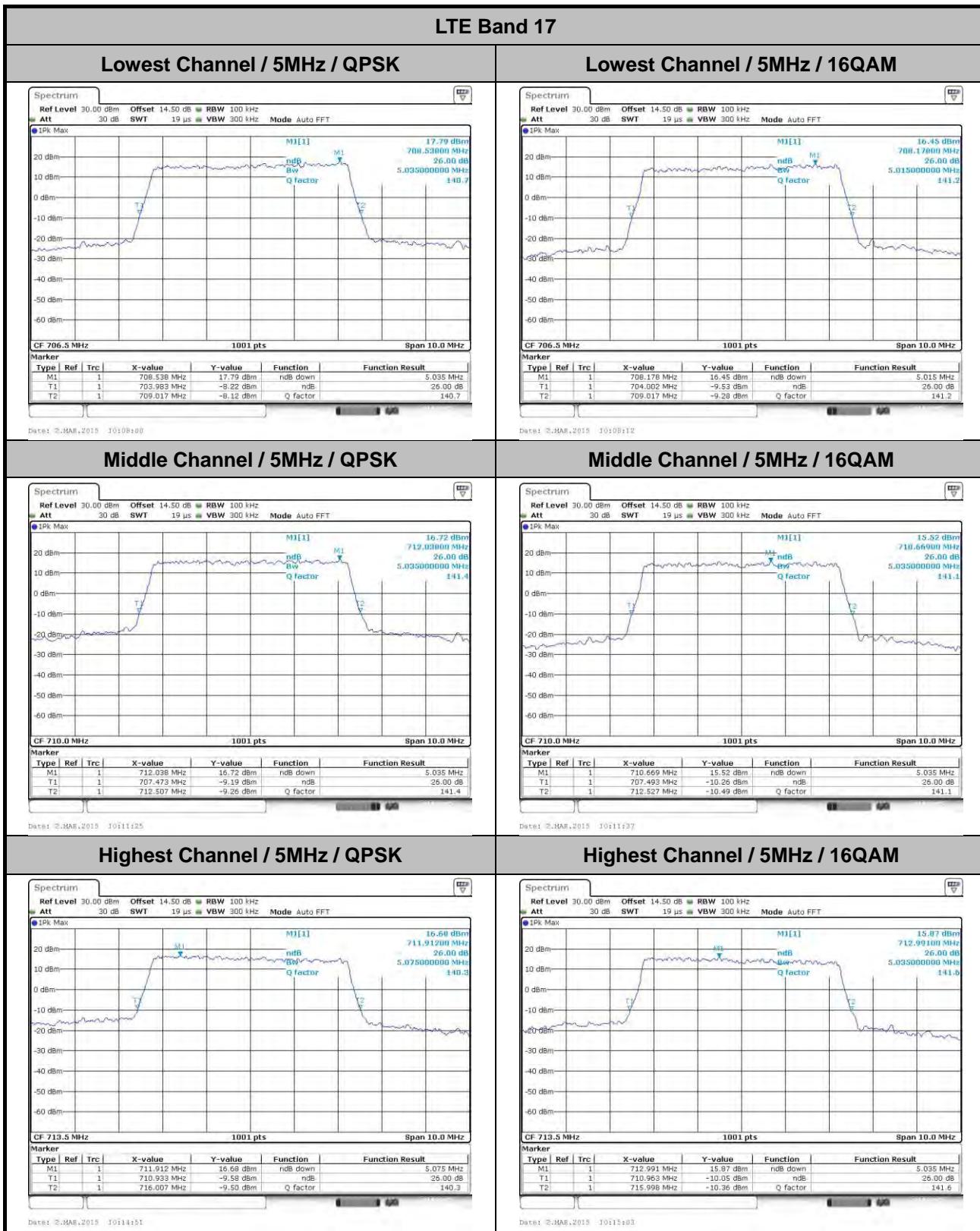
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	4.03	4.43	4.32	5.48	PASS
Middle CH	3.36	4.23	4.23	5.45	
Highest CH	3.71	4.29	4.41	5.51	

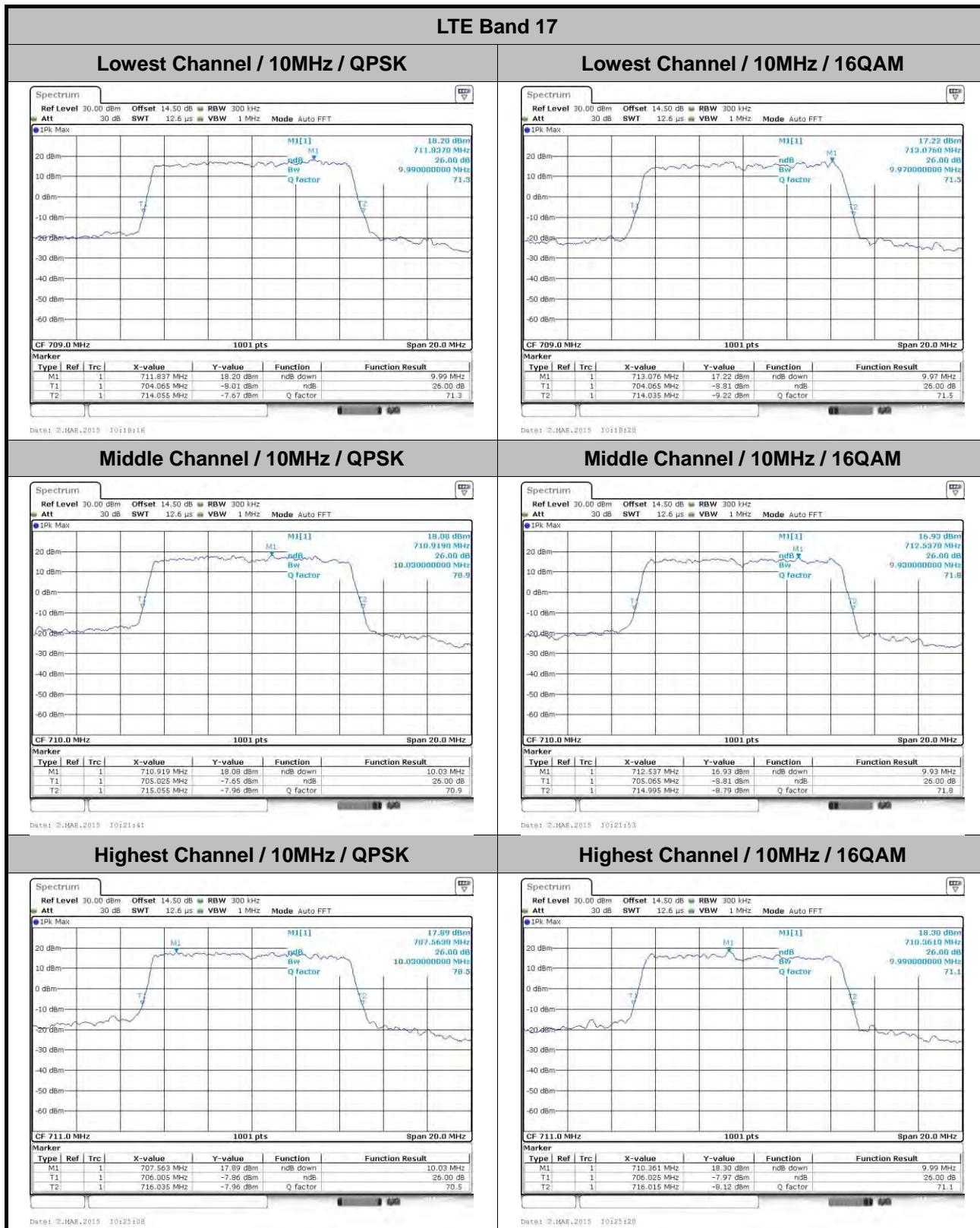




**26dB Bandwidth**

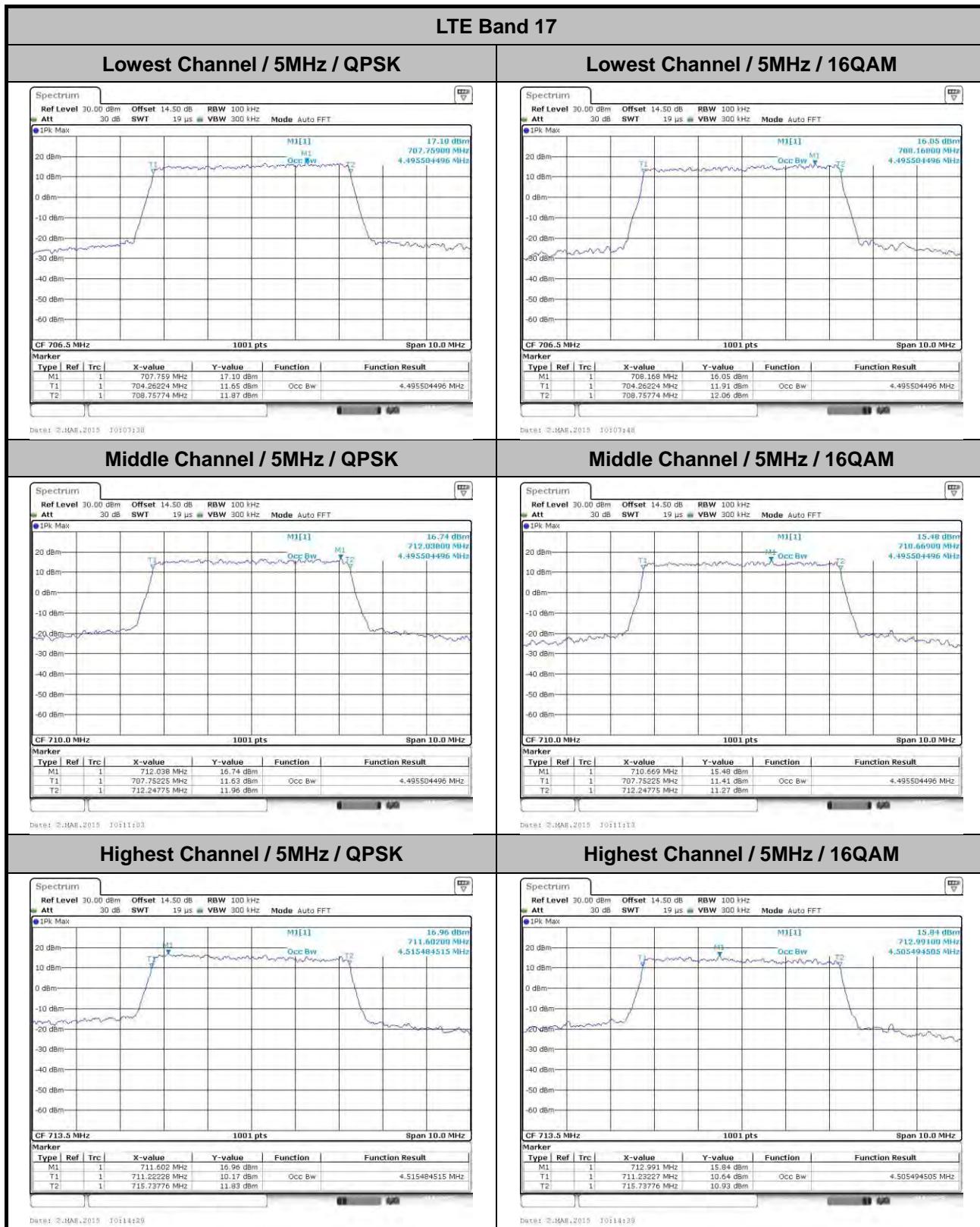
Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.04	5.02	9.99	9.97	-	-	-	-
Middle CH	-	-	-	-	5.04	5.04	10.03	9.93	-	-	-	-
Highest CH	-	-	-	-	5.08	5.04	10.03	9.99	-	-	-	-

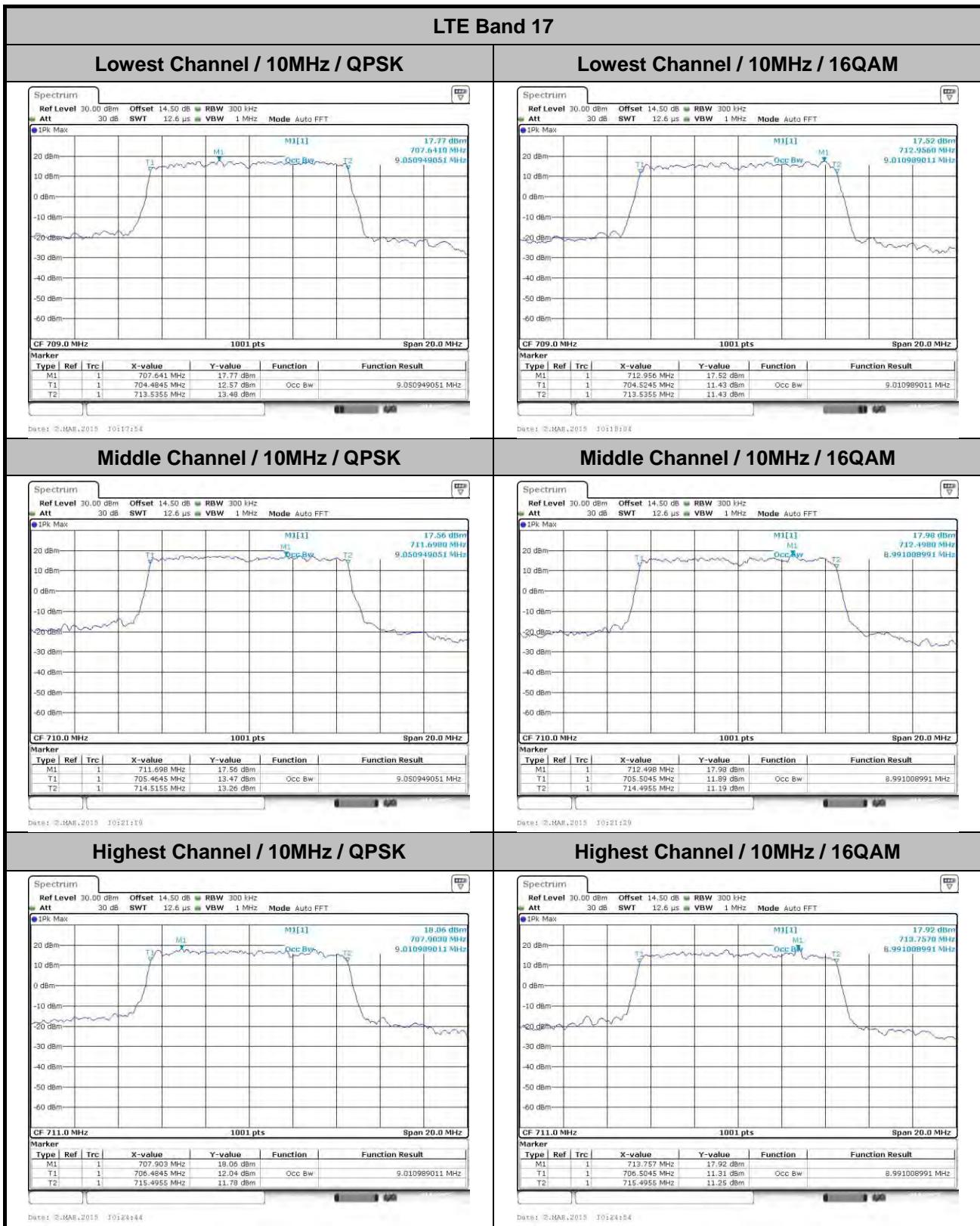




**Occupied Bandwidth**

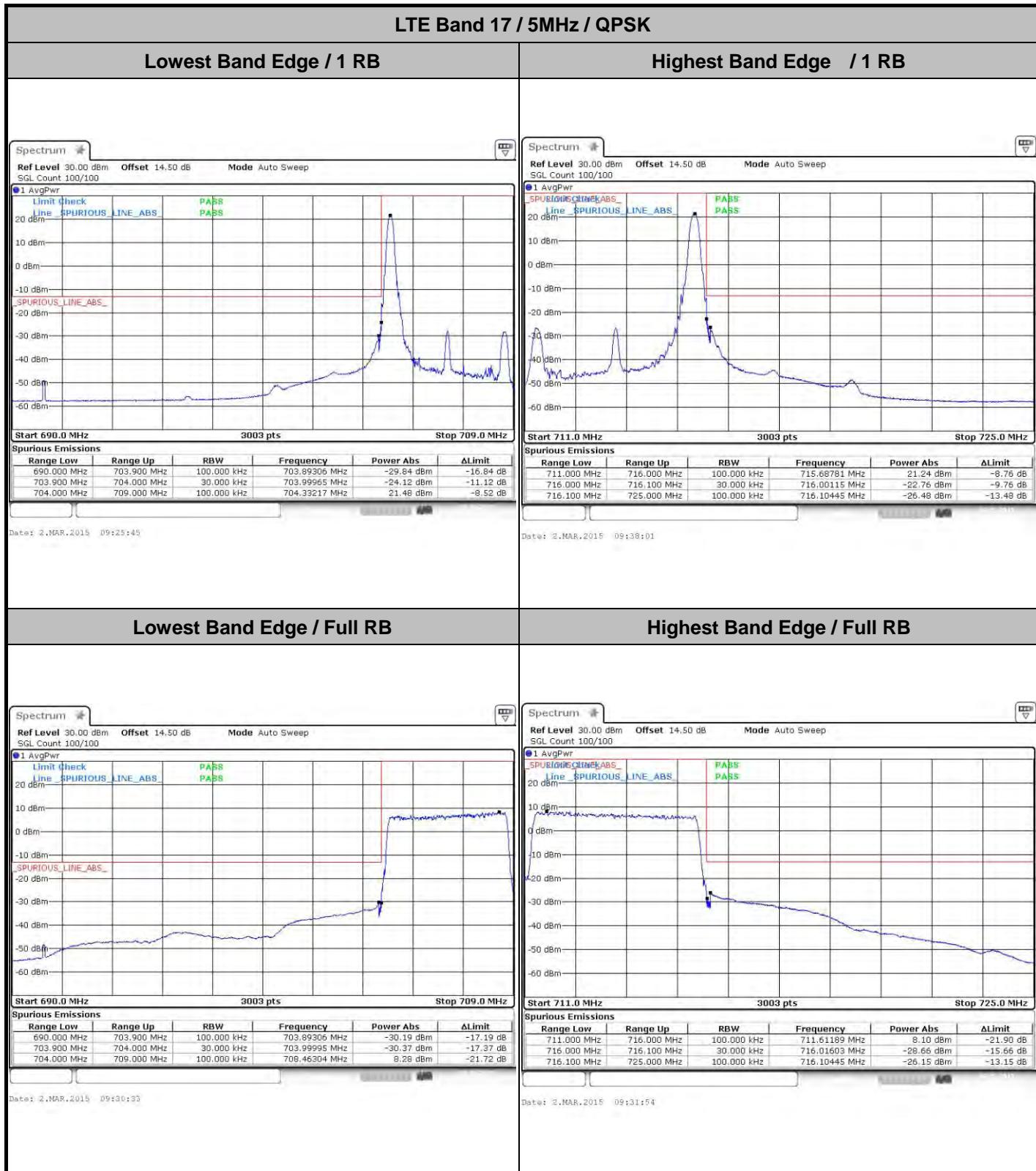
Mode	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.50	9.05	9.01	-	-	-	-
Middle CH	-	-	-	-	4.50	4.50	9.05	8.99	-	-	-	-
Highest CH	-	-	-	-	4.52	4.51	9.01	8.99	-	-	-	-

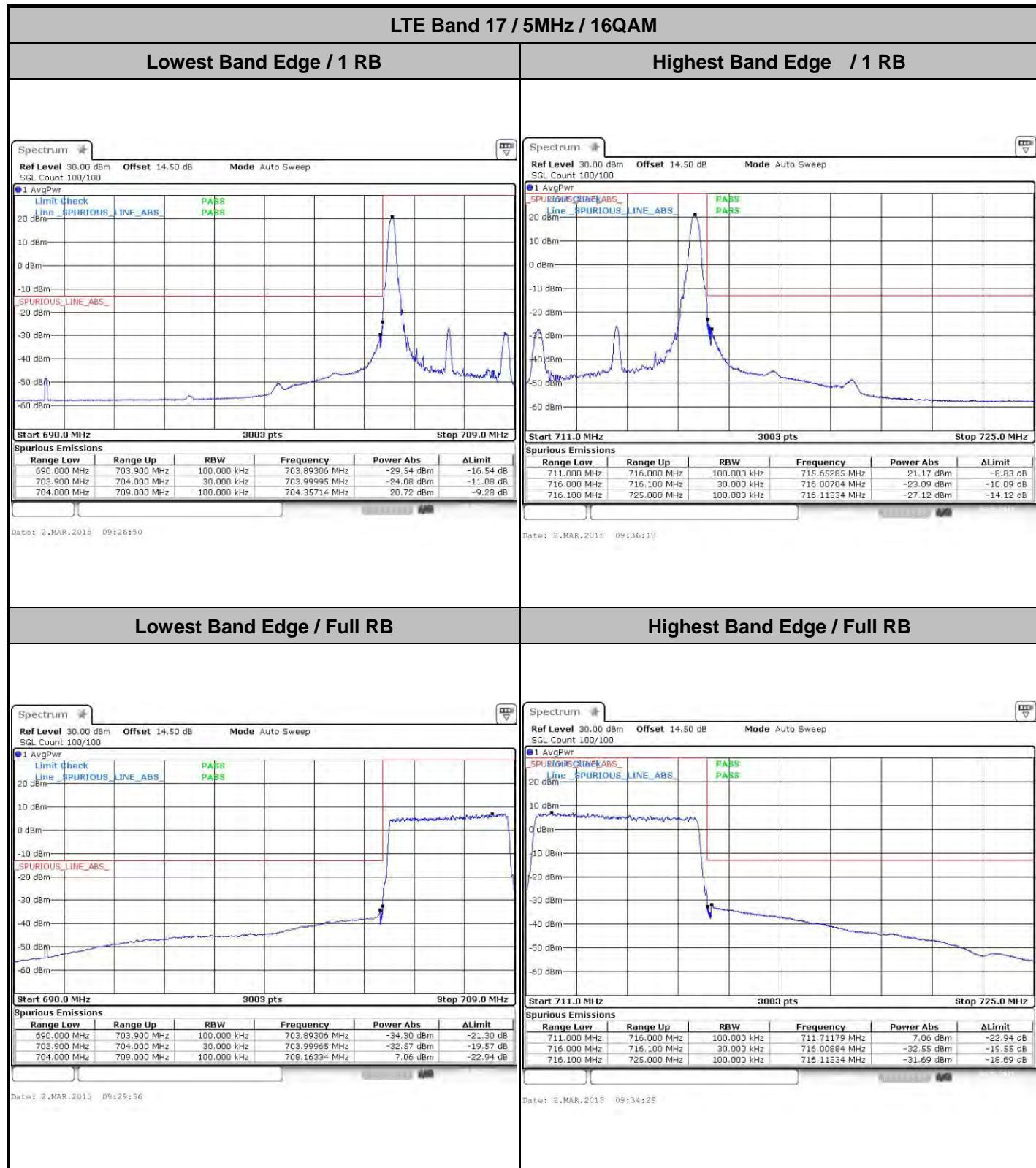


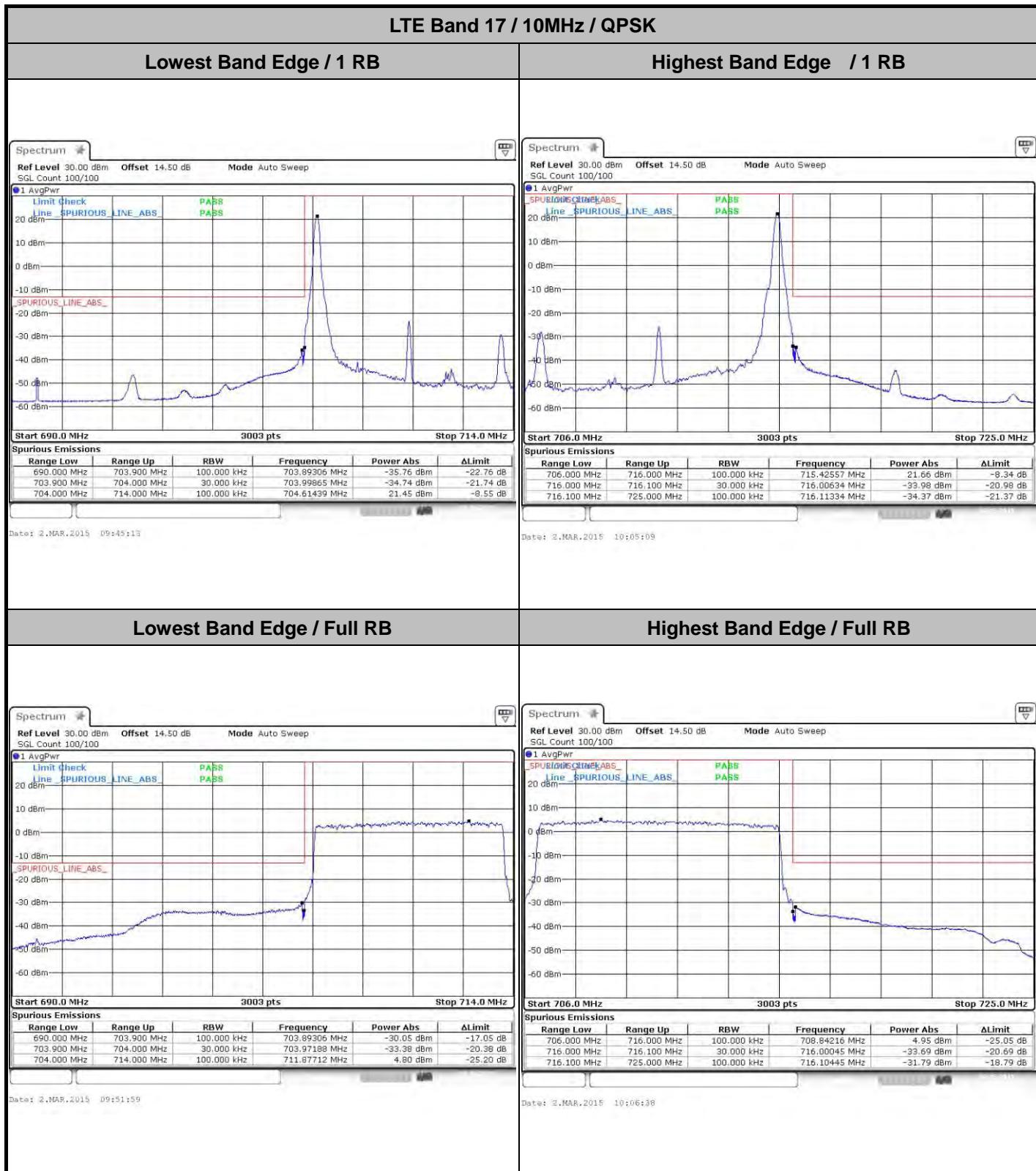


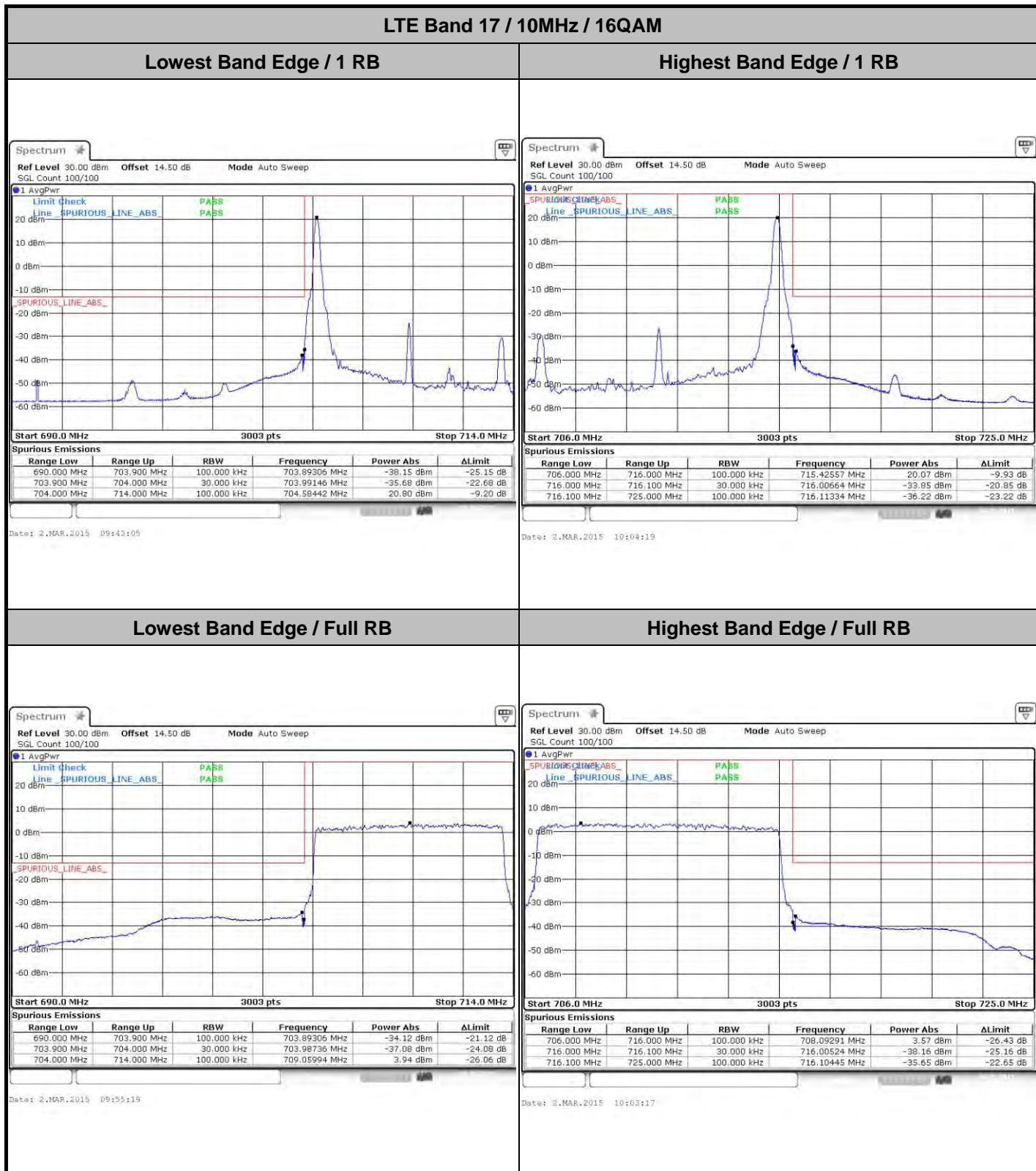


Conducted Band Edge









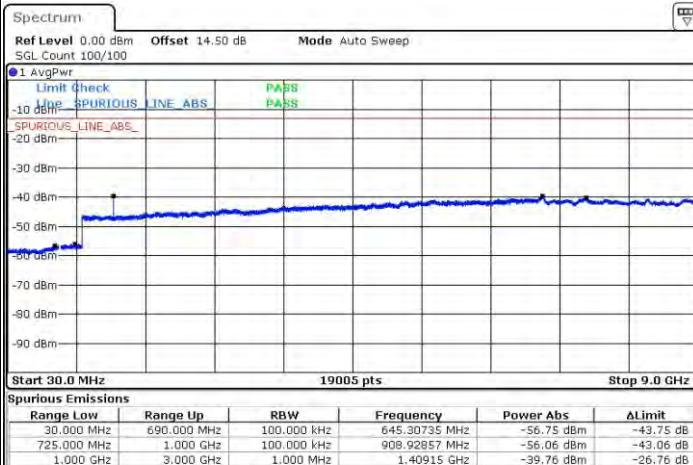
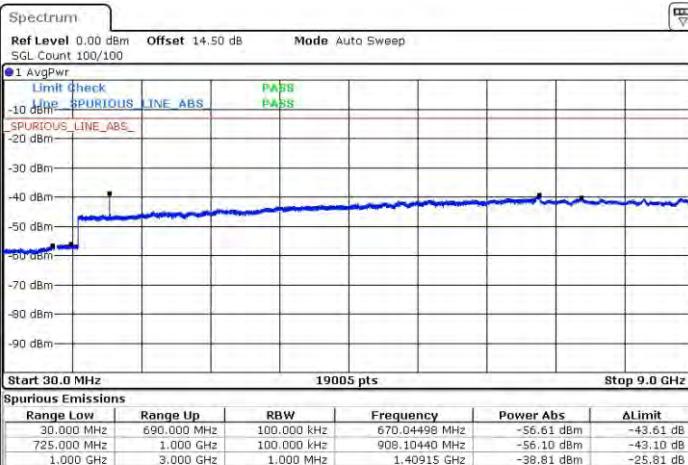


Conducted Spurious Emission

LTE Band 17 / 5MHz

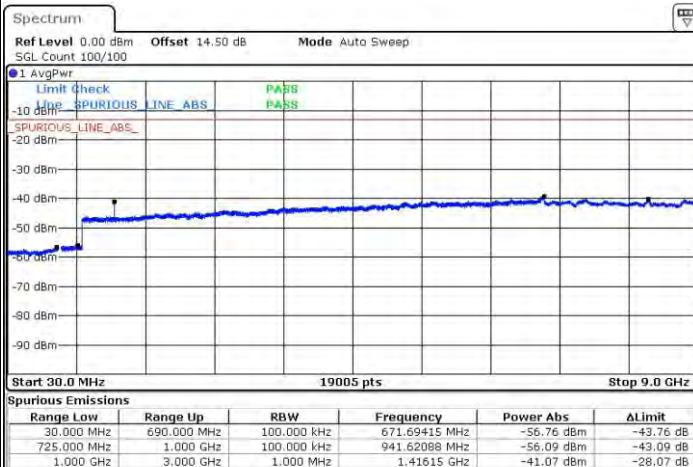
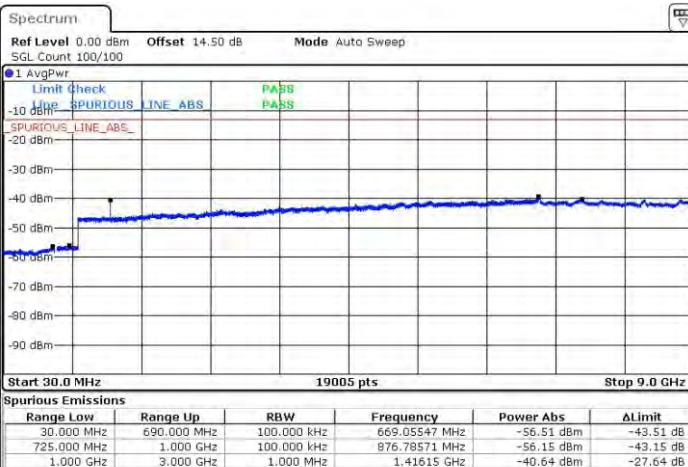
Lowest Channel / QPSK

Lowest Channel / 16QAM



Middle Channel / QPSK

Middle Channel / 16QAM

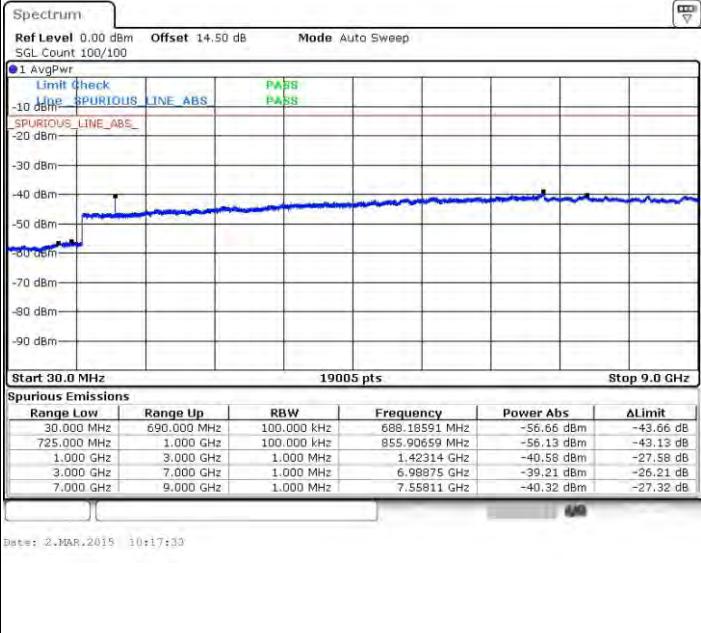
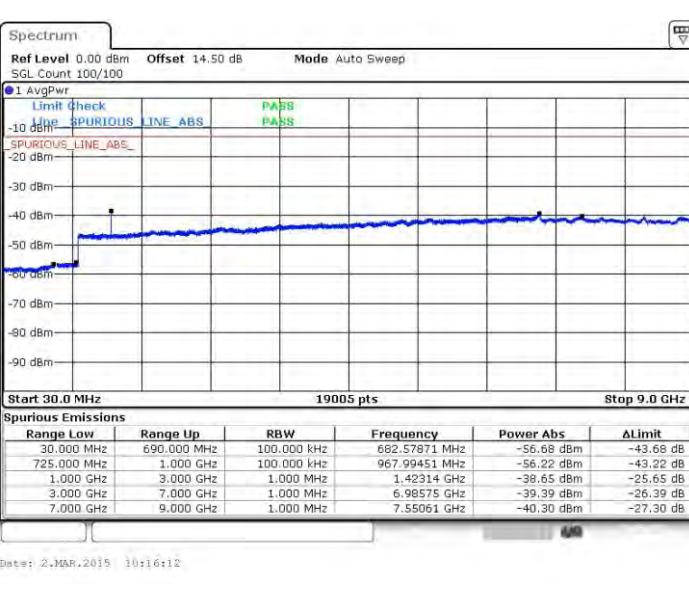




LTE Band 17 / 5MHz

Highest Channel / QPSK

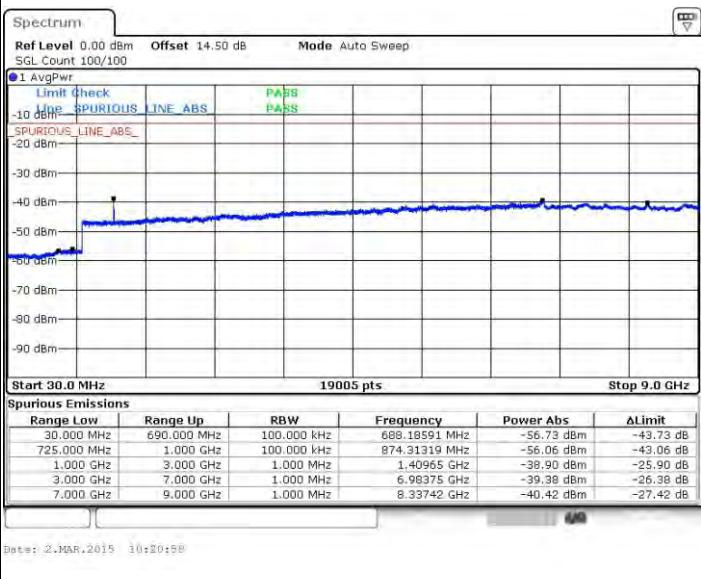
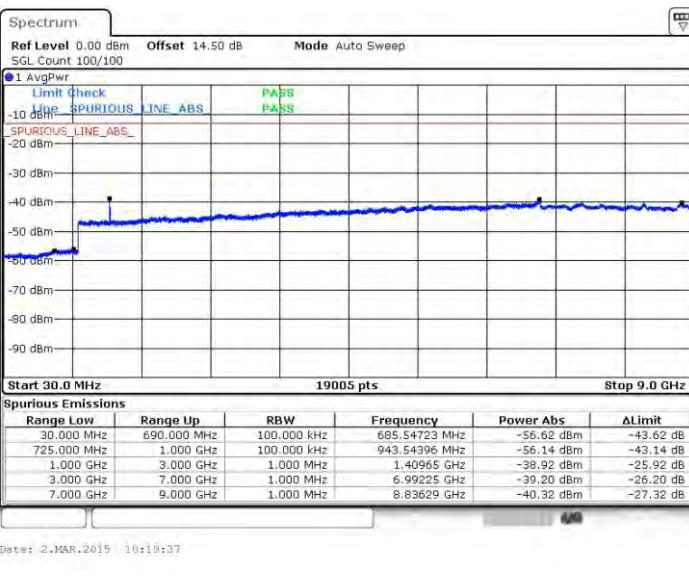
Highest Channel / 16QAM

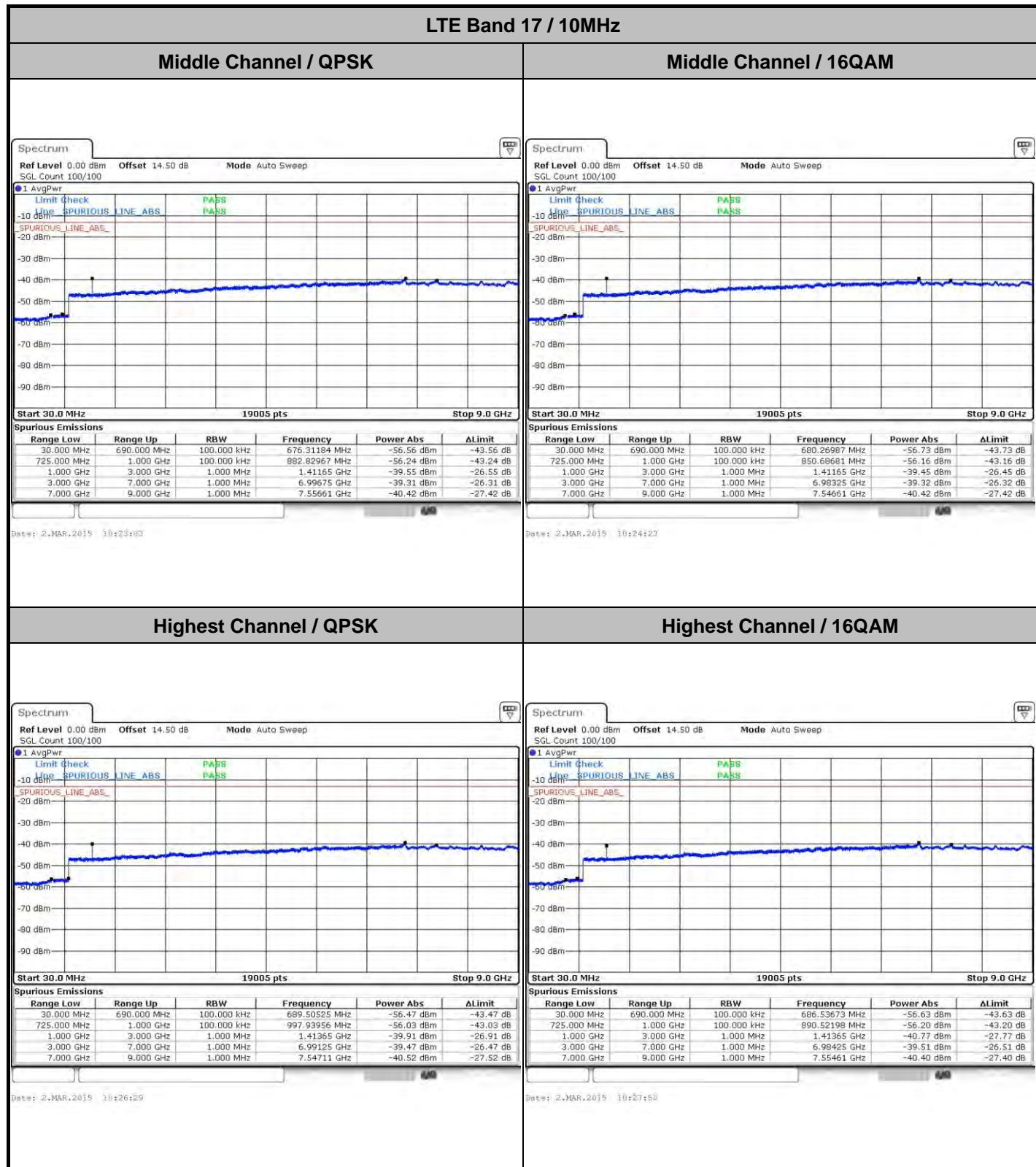


LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 4 Radiated Power EIRP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1710.70	-23.28	42.53	17.10	0.0513
1732.50	-22.87	42.93	17.91	0.0618
1754.30	-23.11	44.42	19.16	0.0824
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1710.70	-25.03	44.68	17.50	0.0562
1732.50	-23.52	43.82	18.15	0.0653
1754.30	-24.27	44.55	18.13	0.0650

LTE Band 4 Radiated Power EIRP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1710.70	-23.48	42.53	16.90	0.0490
1732.50	-23.34	42.93	17.44	0.0555
1754.30	-23.43	44.42	18.84	0.0766
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1710.70	-25.40	44.68	17.13	0.0516
1732.50	-24.08	43.82	17.59	0.0574
1754.30	-24.40	44.55	18.00	0.0631



LTE Band 4 Radiated Power EIRP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1711.50	-22.22	42.4	18.03	0.0635
1732.50	-22.93	42.93	17.85	0.0610
1753.50	-23.60	44.47	18.72	0.0745

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1711.50	-23.98	42.86	16.73	0.0471
1732.50	-24.47	43.82	17.20	0.0525
1753.50	-26.12	44.81	16.54	0.0451

LTE Band 4 Radiated Power EIRP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1711.50	-23.34	42.4	16.91	0.0491
1732.50	-24.02	42.93	16.76	0.0474
1753.50	-25.21	44.47	17.11	0.0514

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1711.50	-24.45	42.86	16.26	0.0423
1732.50	-24.53	43.82	17.14	0.0518
1753.50	-26.51	44.81	16.15	0.0412



LTE Band 4 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1712.50	-23.13	42.54	17.26	0.0532
1732.50	-23.07	42.94	17.72	0.0592
1752.50	-23.90	44.47	18.42	0.0695

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1712.50	-24.05	43.58	17.38	0.0547
1732.50	-23.38	43.83	18.30	0.0676
1752.50	-24.40	44.9	18.35	0.0684

LTE Band 4 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1712.50	-23.48	42.54	16.91	0.0491
1732.50	-24.12	42.94	16.67	0.0465
1752.50	-24.99	44.47	17.33	0.0541

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1712.50	-24.99	43.58	16.44	0.0441
1732.50	-24.53	43.83	17.15	0.0519
1752.50	-25.35	44.9	17.40	0.0550



LTE Band 4 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1715.00	-22.13	42.66	18.38	0.0689
1732.50	-23.36	42.94	17.43	0.0553
1750.00	-24.27	44	17.58	0.0573

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1715.00	-23.94	44.67	18.58	0.0721
1732.50	-23.27	43.83	18.41	0.0693
1750.00	-24.96	45.03	17.92	0.0619

LTE Band 4 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1715.00	-22.26	42.66	18.25	0.0668
1732.50	-22.82	42.94	17.97	0.0627
1750.00	-23.24	44	18.61	0.0726

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1715.00	-26.04	44.67	16.48	0.0445
1732.50	-25.01	43.83	16.67	0.0465
1750.00	-25.72	45.03	17.16	0.0520



LTE Band 4 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1717.50	-23.13	43.01	17.73	0.0593
1732.50	-23.70	42.94	17.09	0.0512
1747.50	-24.60	43.97	17.22	0.0527

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1717.50	-23.70	44.54	18.69	0.0740
1732.50	-23.15	43.83	18.53	0.0713
1747.50	-24.77	45.28	18.36	0.0685

LTE Band 4 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1717.50	-28.25	43.01	12.61	0.0182
1732.50	-28.27	42.94	12.52	0.0179
1747.50	-28.40	43.97	13.42	0.0220

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1717.50	-26.48	44.54	15.91	0.0390
1732.50	-26.89	44.77	15.73	0.0374
1747.50	-26.95	45.28	16.18	0.0415



LTE Band 4 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1720.00	-23.01	43.41	18.25	0.0668
1732.50	-23.51	42.94	17.28	0.0535
1745.00	-24.82	44.36	17.39	0.0548

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1720.00	-24.57	44.42	17.70	0.0589
1732.50	-24.76	43.83	16.92	0.0492
1745.00	-26.04	45.11	16.92	0.0492

LTE Band 4 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1720.00	-24.19	43.41	17.07	0.0509
1732.50	-24.22	42.94	16.57	0.0454
1745.00	-26.28	44.36	15.93	0.0392

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1720.00	-26.46	44.42	15.81	0.0381
1732.50	-25.74	43.83	15.94	0.0393
1745.00	-27.01	45.11	15.95	0.0394



LTE Band 7 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2502.5	-26.27	47.73	21.46	0.1398
2535.0	-26.58	47.55	20.97	0.1250
2567.5	-26.10	47.44	21.34	0.1362

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2502.5	-27.68	47.53	19.85	0.0967
2535.0	-28.39	48.53	20.14	0.1033
2567.5	-27.87	48.46	20.59	0.1145

LTE Band 7 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2502.5	-28.30	47.73	19.43	0.0876
2535.0	-27.95	47.55	19.60	0.0912
2567.5	-28.38	47.44	19.06	0.0806

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2502.5	-30.64	47.53	16.89	0.0489
2535.0	-31.51	48.53	17.02	0.0504
2567.5	-31.52	48.46	16.94	0.0494

**FCC RF Test Report**

Report No. : FG520606B

LTE Band 7 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2505.0	-30.74	47.67	16.93	0.0493
2535.0	-31.21	47.55	16.34	0.0431
2565.0	-31.63	47.54	15.91	0.0390
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2505.0	-31.43	47.59	16.16	0.0413
2535.0	-33.03	48.53	15.50	0.0355
2565.0	-32.59	47.91	15.32	0.0341

LTE Band 7 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2505.0	-30.08	47.67	17.59	0.0573
2535.0	-30.89	47.55	16.66	0.0463
2565.0	-31.91	47.54	15.63	0.0365
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2505.0	-31.53	47.59	16.06	0.0404
2535.0	-34.27	48.53	14.26	0.0267
2565.0	-33.82	47.91	14.09	0.0257



LTE Band 7 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2507.5	-24.20	47.07	22.87	0.1934
2535.0	-24.42	47.55	23.13	0.2056
2562.5	-25.59	48.17	22.58	0.1810

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2507.5	-28.04	47.80	19.76	0.0947
2535.0	-28.26	48.53	20.27	0.1064
2562.5	-27.16	47.83	20.67	0.1165

LTE Band 7 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2507.5	-26.89	47.07	20.18	0.1041
2535.0	-27.61	47.55	19.94	0.0986
2562.5	-28.42	48.17	19.75	0.0943

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2507.5	-29.91	47.80	17.89	0.0616
2535.0	-29.89	48.53	18.64	0.0731
2562.5	-29.35	47.83	18.48	0.0704



LTE Band 7 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2510.0	-27.88	47.08	19.20	0.0832
2535.0	-27.60	47.55	19.95	0.0989
2560.0	-28.11	48.38	20.27	0.1063

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2510.0	-27.72	47.92	20.20	0.1047
2535.0	-28.14	48.53	20.39	0.1094
2560.0	-28.96	47.22	18.26	0.0670

LTE Band 7 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2510.0	-24.31	47.08	22.77	0.1893
2535.0	-26.33	47.55	21.22	0.1324
2560.0	-25.67	48.38	22.71	0.1865

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2510.0	-29.16	47.92	18.76	0.0751
2535.0	-29.36	48.53	19.17	0.0826
2560.0	-28.67	47.22	18.55	0.0716



LTE Band 17 Radiated Power ERP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
706.50	-5.88	29.74	21.71	0.1483
710.00	-5.72	29.83	21.96	0.1570
713.50	-5.78	30.01	22.08	0.1614

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
706.50	-12.94	34.95	19.86	0.0968
710.00	-13.03	35.3	20.12	0.1028
713.50	-13.13	35.58	20.30	0.1072

LTE Band 17 Radiated Power ERP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
706.50	-7.97	29.74	19.62	0.0916
710.00	-7.66	29.83	20.02	0.1005
713.50	-7.50	30.01	20.36	0.1086

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
706.50	-13.88	34.95	18.92	0.0780
710.00	-13.38	35.3	19.77	0.0948
713.50	-13.45	35.58	19.98	0.0995



LTE Band 17 Radiated Power ERP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
709.00	-7.18	29.78	20.45	0.1109
710.00	-7.06	29.83	20.62	0.1153
711.00	-6.96	29.87	20.76	0.1191

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
709.00	-13.83	35.14	19.16	0.0824
710.00	-13.91	35.3	19.24	0.0839
711.00	-13.65	34.26	18.46	0.0701

LTE Band 17 Radiated Power ERP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
709.00	-7.60	29.78	20.03	0.1007
710.00	-7.30	29.83	20.38	0.1091
711.00	-7.06	29.87	20.66	0.1164

Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
709.00	-14.60	35.14	18.39	0.0690
710.00	-14.39	35.3	18.76	0.0752
711.00	-14.44	34.26	17.67	0.0585



Radiated Spurious Emission

Band :	LTE Band 4 for CH19957				Temperature :	23~25°C			
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Gavin Zhang				Polarization :	Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420.32	-43.72	-13	-30.72	-70.35	-55.51	0.81	12.60	H	Pass
5130.48	-40.62	-13	-27.62	-70.14	-52.37	0.95	12.70	H	Pass
6840.64	-44.32	-13	-31.32	-74.72	-54.89	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH19957				Temperature :	23~25°C			
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Gavin Zhang				Polarization :	Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420.32	-49.30	-13	-36.30	-71.58	-61.09	0.81	12.6	V	Pass
5130.48	-36.67	-13	-23.67	-67.48	-48.42	0.95	12.7	V	Pass
6840.64	-43.27	-13	-30.27	-75.08	-53.84	1.13	11.7	V	Pass

**FCC RF Test Report**

Report No. : FG520606B

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3463.74	-45.01	-13	-32.01	-71.64	-56.80	0.81	12.60	H	Pass
5195.61	-40.65	-13	-27.65	-70.17	-52.40	0.95	12.70	H	Pass
6927.48	-44.38	-13	-31.38	-74.78	-54.95	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3463.74	-49.44	-13	-36.44	-71.72	-61.23	0.81	12.6	V	Pass
5195.61	-48.05	-13	-35.05	-72.58	-59.80	0.95	12.7	V	Pass
6927.48	-42.88	-13	-29.88	-74.69	-53.45	1.13	11.7	V	Pass

**FCC RF Test Report**

Report No. : FG520606B

Band :	LTE Band 4 for CH20393				Temperature :		23~25°C		
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3507.52	-44.91	-13	-31.91	-71.54	-56.70	0.81	12.60	H	Pass
5261.28	-42.91	-13	-29.91	-72.43	-54.66	0.95	12.70	H	Pass
7015.04	-45.15	-13	-32.15	-75.55	-55.72	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20393				Temperature :		23~25°C		
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3507.52	-48.95	-13	-35.95	-71.23	-60.74	0.81	12.6	V	Pass
5261.28	-48.23	-13	-35.23	-72.76	-59.98	0.95	12.7	V	Pass
7015.04	-43.17	-13	-30.17	-74.98	-53.74	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH19965				Temperature :		23~25°C		
Test Mode :	3MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3420.48	-44.31	-13	-31.31	-70.94	-56.10	0.81	12.60	H	Pass
5130.72	-38.18	-13	-25.18	-67.70	-49.93	0.95	12.70	H	Pass
6840.96	-44.59	-13	-31.59	-74.99	-55.16	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH19965				Temperature :		23~25°C		
Test Mode :	3MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3420.48	-49.29	-13	-36.29	-71.57	-61.08	0.81	12.6	V	Pass
5130.72	-36.13	-13	-23.13	-67.07	-47.88	0.95	12.7	V	Pass
6840.96	-42.63	-13	-29.63	-74.44	-53.20	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	3MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3462.3	-44.50	-13	-31.50	-71.13	-56.29	0.81	12.60	H	Pass
5193.45	-39.71	-13	-26.71	-69.23	-51.46	0.95	12.70	H	Pass
6924.6	-43.24	-13	-30.24	-73.64	-53.81	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	3MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3462.3	-48.63	-13	-35.63	-70.91	-60.42	0.81	12.6	V	Pass
5193.45	-47.69	-13	-34.69	-72.22	-59.44	0.95	12.7	V	Pass
6924.6	-43.23	-13	-30.23	-75.04	-53.80	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20385				Temperature :		23~25°C		
Test Mode :	3MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3504.48	-44.23	-13	-31.23	-70.86	-56.02	0.81	12.60	H	Pass
5256.72	-43.58	-13	-30.58	-73.10	-55.33	0.95	12.70	H	Pass
7008.96	-44.60	-13	-31.60	-75.00	-55.17	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20385				Temperature :		23~25°C		
Test Mode :	3MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3504.48	-49.10	-13	-36.10	-71.38	-60.89	0.81	12.6	V	Pass
5256.72	-47.54	-13	-34.54	-72.07	-59.29	0.95	12.7	V	Pass
7008.96	-43.83	-13	-30.83	-75.64	-54.40	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH19975				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3420.68	-44.26	-13	-31.26	-70.89	-56.05	0.81	12.60	H	Pass
5131.02	-40.33	-13	-27.33	-69.85	-52.08	0.95	12.70	H	Pass
6841.36	-43.80	-13	-30.80	-74.20	-54.37	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH19975				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3420.68	-49.13	-13	-36.13	-71.41	-60.92	0.81	12.6	V	Pass
5131.02	-48.26	-13	-35.26	-72.79	-60.01	0.95	12.7	V	Pass
6841.36	-42.91	-13	-29.91	-74.72	-53.48	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3462.3	-44.11	-13	-31.11	-70.74	-55.90	0.81	12.60	H	Pass
5193.45	-35.45	-13	-22.45	-66.06	-47.20	0.95	12.70	H	Pass
6924.6	-44.46	-13	-31.46	-74.86	-55.03	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3462.3	-49.07	-13	-36.07	-71.35	-60.86	0.81	12.6	V	Pass
5193.45	-39.28	-13	-26.28	-68.7	-51.03	0.95	12.7	V	Pass
6924.6	-42.15	-13	-29.15	-73.96	-52.72	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20375				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3500.68	-43.85	-13	-30.85	-70.48	-55.64	0.81	12.60	H	Pass
5251.02	-39.43	-13	-26.43	-68.95	-51.18	0.95	12.70	H	Pass
7001.36	-41.55	-13	-28.55	-71.95	-52.12	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20375				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3500.68	-48.99	-13	-35.99	-71.27	-60.78	0.81	12.6	V	Pass
5251.02	-47.22	-13	-34.22	-71.75	-58.97	0.95	12.7	V	Pass
7001.36	-41.84	-13	-28.84	-73.65	-52.41	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20000				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3421.18	-41.07	-13	-28.07	-67.70	-52.86	0.81	12.60	H	Pass
5131.77	-29.40	-13	-16.40	-62.46	-41.15	0.95	12.70	H	Pass
6842.36	-42.29	-13	-29.29	-72.69	-52.86	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20000				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3421.18	-45.94	-13	-32.94	-68.65	-57.73	0.81	12.6	V	Pass
5131.77	-40.89	-13	-27.89	-69.75	-52.64	0.95	12.7	V	Pass
6842.36	-39.34	-13	-26.34	-71.67	-49.91	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3456.18	-42.34	-13	-29.34	-68.97	-54.13	0.81	12.60	H	Pass
5184.27	-39.42	-13	-26.42	-68.94	-51.17	0.95	12.70	H	Pass
6912.36	-43.42	-13	-30.42	-73.82	-53.99	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3456.18	-47.42	-13	-34.42	-69.7	-59.21	0.81	12.6	V	Pass
5184.27	-43.00	-13	-30.00	-69.74	-54.75	0.95	12.7	V	Pass
6912.36	-42.27	-13	-29.27	-74.08	-52.84	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20350				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3491.18	-42.78	-13	-29.78	-69.41	-54.57	0.81	12.60	H	Pass
5236.77	-38.29	-13	-25.29	-67.81	-50.04	0.95	12.70	H	Pass
6982.36	-44.44	-13	-31.44	-74.84	-55.01	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20350				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3491.18	-47.37	-13	-34.37	-69.65	-59.16	0.81	12.6	V	Pass
5236.77	-47.50	-13	-34.50	-72.03	-59.25	0.95	12.7	V	Pass
6982.36	-41.86	-13	-28.86	-73.67	-52.43	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20025				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3421.68	-44.79	-13	-31.79	-71.42	-56.58	0.81	12.60	H	Pass
5132.52	-41.46	-13	-28.46	-70.98	-53.21	0.95	12.70	H	Pass
6843.36	-44.66	-13	-31.66	-75.06	-55.23	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20025				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3421.68	-48.96	-13	-35.96	-71.24	-60.75	0.81	12.6	V	Pass
5132.52	-39.50	-13	-26.50	-68.76	-51.25	0.95	12.7	V	Pass
6843.36	-42.85	-13	-29.85	-74.66	-53.42	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3451.68	-43.56	-13	-30.56	-70.19	-55.35	0.81	12.60	H	Pass
5177.52	-35.69	-13	-22.69	-66.26	-47.44	0.95	12.70	H	Pass
6903.36	-43.55	-13	-30.55	-73.95	-54.12	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3451.68	-48.94	-13	-35.94	-71.22	-60.73	0.81	12.6	V	Pass
5177.52	-39.42	-13	-26.42	-68.74	-51.17	0.95	12.7	V	Pass
6903.36	-40.72	-13	-27.72	-72.53	-51.29	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20325				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3481.68	-41.41	-13	-28.41	-68.04	-53.20	0.81	12.60	H	Pass
5222.52	-33.28	-13	-20.28	-64.90	-45.03	0.95	12.70	H	Pass
6963.36	-43.85	-13	-30.85	-74.25	-54.42	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20325				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3481.68	-49.27	-13	-36.27	-71.55	-61.06	0.81	12.6	V	Pass
5222.52	-36.96	-13	-23.96	-67.7	-48.71	0.95	12.7	V	Pass
6963.36	-41.56	-13	-28.56	-73.37	-52.13	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20050				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3422	-45.52	-13	-32.52	-72.15	-57.31	0.81	12.60	H	Pass
5133	-43.68	-13	-30.68	-73.20	-55.43	0.95	12.70	H	Pass
6844	-45.08	-13	-32.08	-75.48	-55.65	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20050				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3422	-49.33	-13	-36.33	-71.61	-61.12	0.81	12.6	V	Pass
5133	-49.43	-13	-36.43	-73.96	-61.18	0.95	12.7	V	Pass
6844	-44.30	-13	-31.30	-76.11	-54.87	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3447.18	-44.86	-13	-31.86	-71.49	-56.65	0.81	12.60	H	Pass
5170.77	-37.35	-13	-24.35	-67.39	-49.10	0.95	12.70	H	Pass
6894.36	-44.29	-13	-31.29	-74.69	-54.86	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20175				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3447.18	-48.97	-13	-35.97	-71.25	-60.76	0.81	12.6	V	Pass
5170.77	-40.69	-13	-27.69	-69.56	-52.44	0.95	12.7	V	Pass
6894.36	-42.72	-13	-29.72	-74.53	-53.29	1.13	11.7	V	Pass



Band :	LTE Band 4 for CH20300				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3472.18	-44.65	-13	-31.65	-71.28	-56.44	0.81	12.60	H	Pass
5208.27	-40.93	-13	-27.93	-70.45	-52.68	0.95	12.70	H	Pass
6944.36	-44.85	-13	-31.85	-75.25	-55.42	1.13	11.70	H	Pass

Band :	LTE Band 4 for CH20300				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3472.18	-47.98	-13	-34.98	-70.26	-59.77	0.81	12.6	V	Pass
5208.27	-40.92	-13	-27.92	-69.78	-52.67	0.95	12.7	V	Pass
6944.36	-43.54	-13	-30.54	-75.35	-54.11	1.13	11.7	V	Pass

**FCC RF Test Report**

Report No. : FG520606B

Band :	LTE Band 7 for CH20775				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5000.68	-36.46	-25	-11.46	-70.43	-48.21	0.95	12.70	H	Pass
7501.02	-32.00	-25	-7.00	-69.35	-42.24	1.46	11.70	H	Pass
10001.36	-37.92	-25	-12.92	-76.39	-48.71	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH20775				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5000.68	-36.91	-25	-11.91	-71.17	-48.66	0.95	12.70	V	Pass
7501.02	-35.41	-25	-10.41	-72.29	-45.65	1.46	11.70	V	Pass
10001.36	-39.46	-25	-14.46	-76.36	-50.25	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5065.68	-36.60	-25.00	-11.60	-70.51	-48.35	0.95	12.70	H	Pass
7598.52	-31.94	-25.00	-6.94	-69.29	-42.18	1.46	11.70	H	Pass
10131.36	-37.28	-25.00	-12.28	-75.75	-48.07	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5065.68	-40.68	-25.00	-15.68	-71.82	-52.43	0.95	12.70	V	Pass
7598.52	-35.97	-25.00	-10.97	-72.85	-46.21	1.46	11.70	V	Pass
10131.36	-39.43	-25.00	-14.43	-76.33	-50.22	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21425				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5130.68	-35.20	-25	-10.20	-69.43	-46.95	0.95	12.70	H	Pass
7696.02	-32.82	-25	-7.82	-69.16	-42.66	1.46	11.30	H	Pass
10261.36	-37.43	-25	-12.43	-75.90	-48.22	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21425				Temperature :		23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5130.68	-34.65	-25	-9.65	-69.41	-46.40	0.95	12.70	V	Pass
7696.02	-36.95	-25	-11.95	-72.83	-46.79	1.46	11.30	V	Pass
10261.36	-40.45	-25	-15.45	-77.01	-51.24	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH20800				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5001.18	-35.45	-25.00	-10.45	-69.66	-47.20	0.95	12.70	H	Pass
7501.77	-32.16	-25.00	-7.16	-69.43	-42.40	1.46	11.70	H	Pass
10002.36	-37.55	-25.00	-12.55	-76.02	-48.34	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH20800				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5001.18	-38.27	-25.00	-13.27	-71.67	-50.02	0.95	12.70	V	Pass
7501.77	-36.92	-25.00	-11.92	-73.80	-47.16	1.46	11.70	V	Pass
10002.36	-39.95	-25.00	-14.95	-76.85	-50.74	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5061.18	-34.08	-25.00	-9.08	-68.59	-45.83	0.95	12.70	H	Pass
7591.77	-27.51	-25.00	-2.51	-66.03	-37.75	1.46	11.70	H	Pass
10122.36	-37.48	-25.00	-12.48	-75.95	-48.27	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5061.18	-38.44	-25.00	-13.44	-71.83	-50.19	0.95	12.70	V	Pass
7591.77	-35.05	-25.00	-10.05	-71.93	-45.29	1.46	11.70	V	Pass
10122.36	-39.80	-25.00	-14.80	-76.70	-50.59	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21400				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5138.60	-33.49	-25.00	-8.49	-67.95	-45.24	0.95	12.70	H	Pass
7707.90	-32.79	-25.00	-7.79	-69.12	-42.63	1.46	11.30	H	Pass
10277.20	-38.20	-25.00	-13.20	-76.67	-48.99	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21400				Temperature :		23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5138.60	-36.33	-25.00	-11.33	-70.49	-48.08	0.95	12.70	V	Pass
7707.90	-37.63	-25.00	-12.63	-73.51	-47.47	1.46	11.30	V	Pass
10277.20	-40.32	-25.00	-15.32	-76.88	-51.11	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH20825				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5001.68	-35.17	-25	-10.17	-69.40	-46.92	0.95	12.70	H	Pass
7502.52	-28.85	-25	-3.85	-66.38	-38.69	1.46	11.30	H	Pass
10003.36	-37.30	-25	-12.30	-75.77	-48.09	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH20825				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5001.68	-36.75	-25	-11.75	-70.98	-48.50	0.95	12.70	V	Pass
7502.52	-36.01	-25	-11.01	-71.89	-45.85	1.46	11.30	V	Pass
10003.36	-39.80	-25	-14.80	-76.36	-50.59	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5056.68	-38.27	-25.00	-13.27	-71.23	-50.02	0.95	12.70	H	Pass
7585.02	-33.89	-25.00	-8.89	-70.77	-44.13	1.46	11.70	H	Pass
10131.36	-38.41	-25.00	-13.41	-76.88	-49.20	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5056.68	-40.09	-25.00	-15.09	-73.16	-51.84	0.95	12.70	V	Pass
7585.02	-37.21	-25.00	-12.21	-74.09	-47.45	1.46	11.70	V	Pass
10131.36	-39.48	-25.00	-14.48	-76.38	-50.27	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21375				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5111.68	-36.79	-25	-11.79	-70.62	-48.54	0.95	12.70	H	Pass
7667.52	-33.26	-25	-8.26	-69.48	-43.10	1.46	11.30	H	Pass
10223.36	-38.19	-25	-13.19	-76.66	-48.98	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21375				Temperature :		23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5111.68	-38.25	-25	-13.25	-71.65	-50.00	0.95	12.70	V	Pass
7667.52	-35.75	-25	-10.75	-71.67	-45.59	1.46	11.30	V	Pass
10223.36	-40.54	-25	-15.54	-77.1	-51.33	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH20850				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5002.18	-35.37	-25	-10.37	-69.58	-47.12	0.95	12.70	H	Pass
7503.27	-28.97	-25	-3.97	-67.09	-39.21	1.46	11.70	H	Pass
10004.36	-36.06	-25	-11.06	-74.53	-46.85	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH20850				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5002.18	-38.24	-25	-13.24	-71.64	-49.99	0.95	12.70	V	Pass
7503.27	-30.88	-25	-5.88	-68.82	-41.12	1.46	11.70	V	Pass
10004.36	-39.93	-25	-14.93	-76.83	-50.72	1.31	12.10	V	Pass



Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5052.18	-38.41	-25.00	-13.41	-71.38	-50.16	0.95	12.70	H	Pass
7578.27	-32.20	-25.00	-7.20	-69.45	-42.44	1.46	11.70	H	Pass
10104.36	-36.78	-25.00	-11.78	-75.25	-47.57	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21100				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5052.18	-39.22	-25.00	-14.22	-72.52	-50.97	0.95	12.70	V	Pass
7578.27	-35.88	-25.00	-10.88	-72.76	-46.12	1.46	11.70	V	Pass
10104.36	-39.68	-25.00	-14.68	-76.58	-50.47	1.31	12.10	V	Pass

**FCC RF Test Report**

Report No. : FG520606B

Band :	LTE Band 7 for CH21350				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5102.18	-38.50	-25	-13.50	-71.47	-50.25	0.95	12.70	H	Pass
7653.27	-33.08	-25	-8.08	-69.39	-42.92	1.46	11.30	H	Pass
10204.36	-37.45	-25	-12.45	-75.92	-48.24	1.31	12.10	H	Pass

Band :	LTE Band 7 for CH21350				Temperature :		23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :		48~52%		
Test Engineer :	Gavin Zhang				Polarization :		Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5102.18	-27.62	-25	-2.62	-72.6	-39.37	0.95	12.70	V	Pass
7653.27	-37.48	-25	-12.48	-73.36	-47.32	1.46	11.30	V	Pass
10204.36	-40.21	-25	-15.21	-76.77	-51.00	1.31	12.10	V	Pass



Band :	LTE Band 17 for CH23755			Temperature :		23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1408.68	-48.14	-13	-35.14	-63.50	-54.82	0.57	9.40	H	Pass
2113.02	-46.66	-13	-33.66	-68.34	-54.36	0.75	10.60	H	Pass
2817.36	-42.81	-13	-29.81	-69.48	-52.39	0.87	12.60	H	Pass

Band :	LTE Band 17 for CH23755			Temperature :		23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1408.68	-47.63	-13	-34.63	-63.93	-54.31	0.57	9.40	V	Pass
2113.02	-43.75	-13	-30.75	-68.85	-51.45	0.75	10.60	V	Pass
2817.36	-40.07	-13	-27.07	-70.10	-49.65	0.87	12.60	V	Pass



Band :	LTE Band 17 for CH23790			Temperature :		23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1415.68	-49.29	-13	-36.29	-64.33	-55.97	0.57	9.40	H	Pass
2123.58	-46.36	-13	-33.36	-68.17	-54.06	0.75	10.60	H	Pass
2831.36	-44.29	-13	-31.29	-70.22	-53.87	0.87	12.60	H	Pass

Band :	LTE Band 17 for CH23790			Temperature :		23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1415.68	-49.14	-13	-36.14	-65.26	-55.82	0.57	9.40	V	Pass
2123.58	-43.90	-13	-30.90	-69.00	-51.60	0.75	10.60	V	Pass
2831.36	-40.21	-13	-27.21	-70.23	-49.79	0.87	12.60	V	Pass



Band :	LTE Band 17 for CH23825			Temperature :		23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1422.68	-47.52	-13	-34.52	-63.13	-54.20	0.57	9.40	H	Pass
2134.02	-47.31	-13	-34.31	-68.81	-55.01	0.75	10.60	H	Pass
2845.36	-42.51	-13	-29.51	-69.34	-52.09	0.87	12.60	H	Pass

Band :	LTE Band 17 for CH23825			Temperature :		23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1422.68	-47.37	-13	-34.37	-63.72	-54.05	0.57	9.40	V	Pass
2134.02	-45.73	-13	-32.73	-69.45	-53.43	0.75	10.60	V	Pass
2845.36	-40.13	-13	-27.13	-70.16	-49.71	0.87	12.60	V	Pass

**FCC RF Test Report**

Report No. : FG520606B

Band :	LTE Band 17 for CH23780			Temperature :		23~25°C			
Test Mode :	10MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1409.18	-48.13	-13	-35.13	-63.49	-54.81	0.57	9.40	H	Pass
2113.77	-47.73	-13	-34.73	-69.17	-55.43	0.75	10.60	H	Pass
2818.36	-42.51	-13	-29.51	-69.34	-52.09	0.87	12.60	H	Pass

Band :	LTE Band 17 for CH23780			Temperature :		23~25°C			
Test Mode :	10MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1409.18	-48.01	-13	-35.01	-64.23	-54.69	0.57	9.40	V	Pass
2113.77	-44.30	-13	-31.30	-69.14	-52.00	0.75	10.60	V	Pass
2818.36	-39.23	-13	-26.23	-69.77	-48.81	0.87	12.60	V	Pass



Band :	LTE Band 17 for CH23790			Temperature :		23~25°C			
Test Mode :	10MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1411.18	-48.96	-13	-35.96	-64.07	-55.64	0.57	9.40	H	Pass
2116.77	-47.59	-13	-34.59	-69.05	-55.29	0.75	10.60	H	Pass
2822.36	-44.10	-13	-31.10	-70.02	-53.68	0.87	12.60	H	Pass

Band :	LTE Band 17 for CH23790			Temperature :		23~25°C			
Test Mode :	10MHz QPSK RB Size 1 Offset 0			Relative Humidity :		48~52%			
Test Engineer :	Gavin Zhang			Polarization :		Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1411.18	-48.33	-13	-35.33	-64.53	-55.01	0.57	9.40	V	Pass
2116.77	-45.50	-13	-32.50	-69.38	-53.20	0.75	10.60	V	Pass
2822.36	-39.59	-13	-26.59	-69.89	-49.17	0.87	12.60	V	Pass



Band :	LTE Band 17 for CH23800			Temperature :	23~25°C				
Test Mode :	10MHz QPSK RB Size 1 Offset 0			Relative Humidity :	48~52%				
Test Engineer :	Gavin Zhang			Polarization :	Horizontal				
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1413.18	-49.96	-13	-36.96	-64.88	-56.64	0.57	9.40	H	Pass
2119.77	-48.75	-13	-35.75	-69.79	-56.45	0.75	10.60	H	Pass
2826.36	-44.17	-13	-31.17	-70.10	-53.75	0.87	12.60	H	Pass

Band :	LTE Band 17 for CH23800			Temperature :	23~25°C				
Test Mode :	10MHz QPSK RB Size 1 Offset 0			Relative Humidity :	48~52%				
Test Engineer :	Gavin Zhang			Polarization :	Vertical				
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
1413.18	-48.33	-13	-35.33	-64.54	-55.01	0.57	9.40	V	Pass
2119.77	-43.90	-13	-30.90	-69.00	-51.60	0.75	10.60	V	Pass
2826.36	-39.65	-13	-26.65	-69.91	-49.23	0.87	12.60	V	Pass