

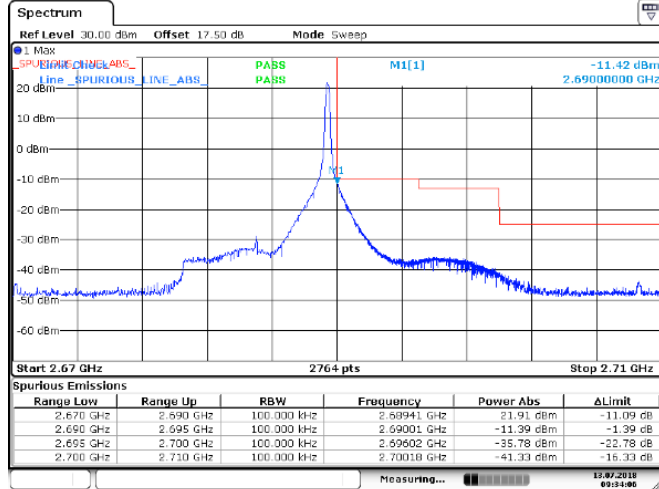
LTE Band41: BAND EDGE EMISSION

Test BW: 10MHz - High Channel

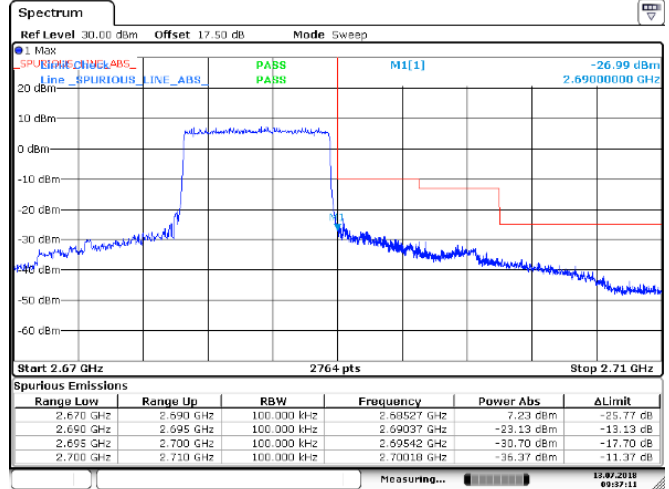
QPSK

RB1#49

RB50#0



Date: 13 JUL 2018 09:34:06

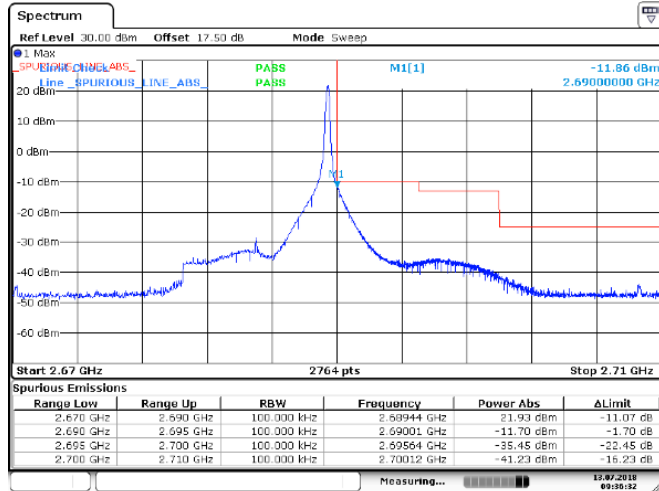


Date: 13 JUL 2018 09:37:11

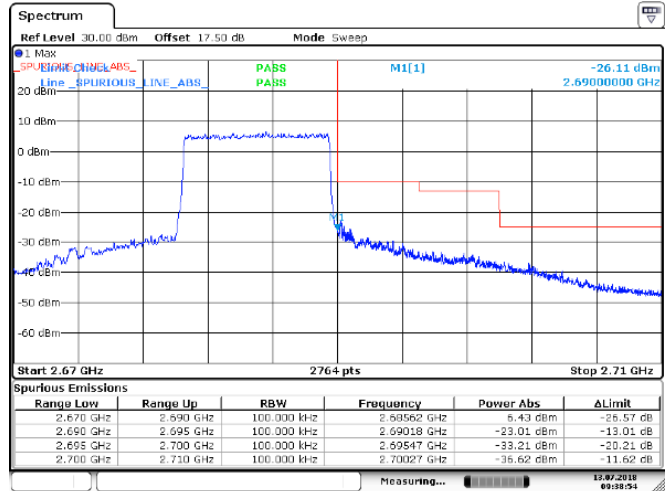
16QAM

RB1#49

RB50#0



Date: 13 JUL 2018 09:38:31



Date: 13 JUL 2018 09:38:54

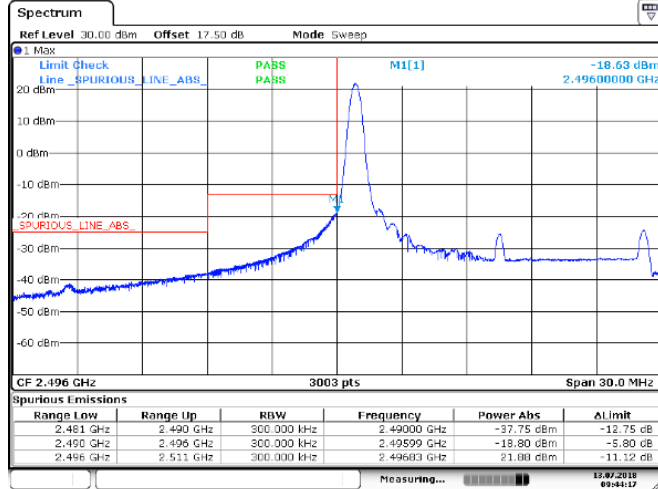
LTE Band41: BAND EDGE EMISSION

Test BW: 15MHz - Low Channel

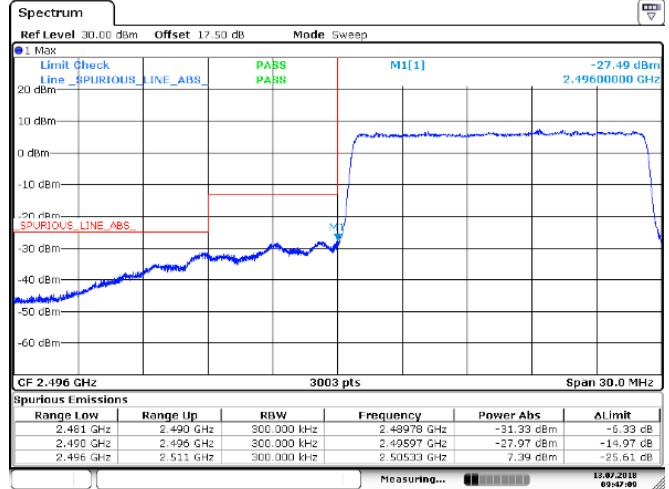
QPSK

RB1#0

RB75#0



Date: 13 JUL 2018 09:44:16

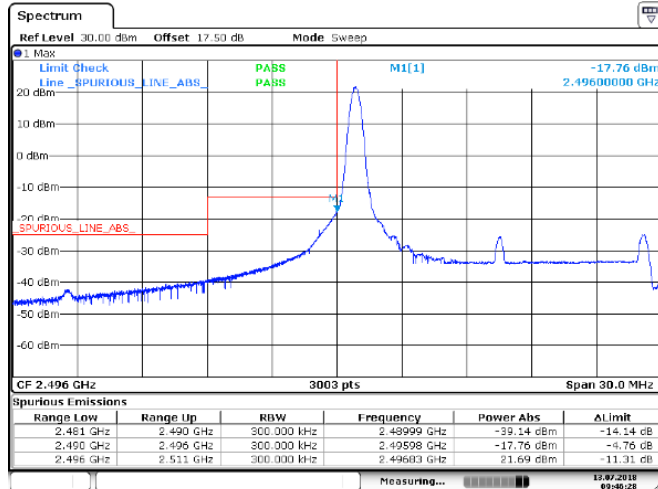


Date: 13 JUL 2018 09:47:09

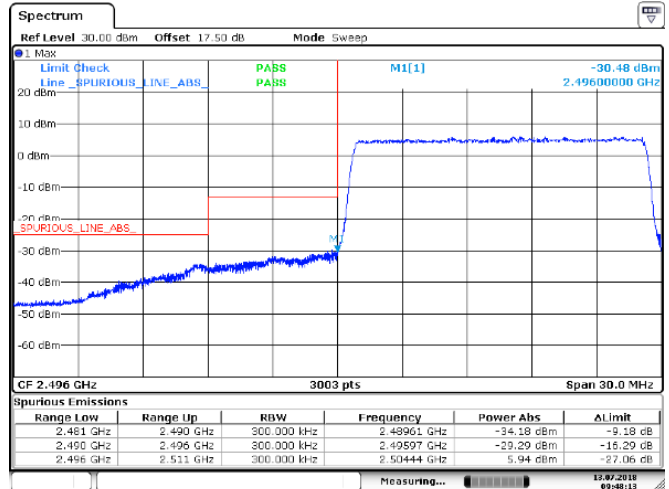
16QAM

RB1#0

RB75#0



Date: 13 JUL 2018 09:48:27



Date: 13 JUL 2018 09:48:13

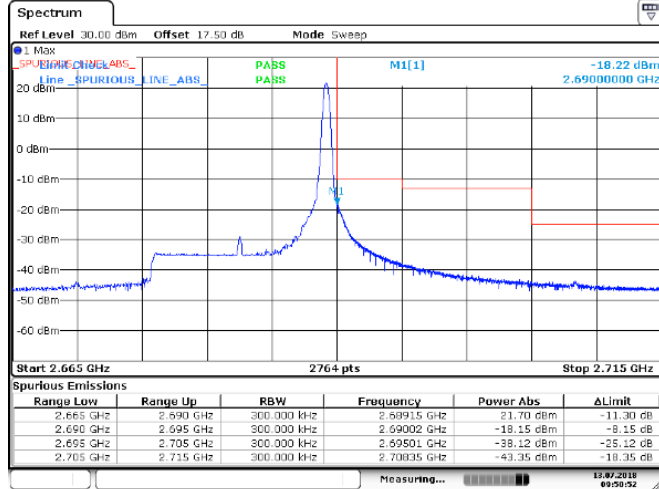
LTE Band41: BAND EDGE EMISSION

Test BW: 15MHz - High Channel

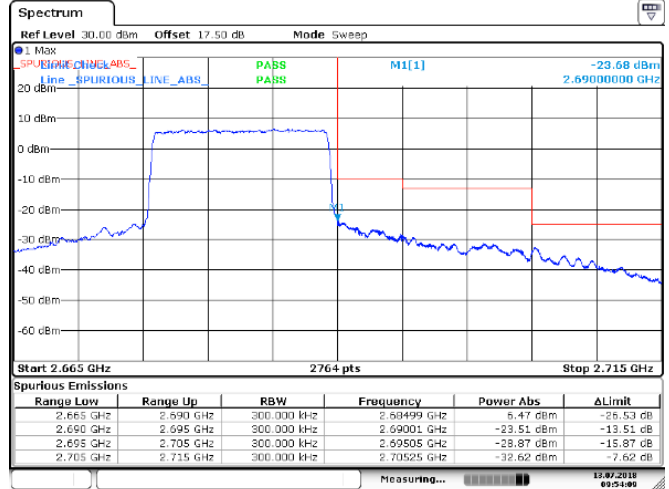
QPSK

RB1#74

RB75#0



Date: 13 JUL 2018 09:50:52

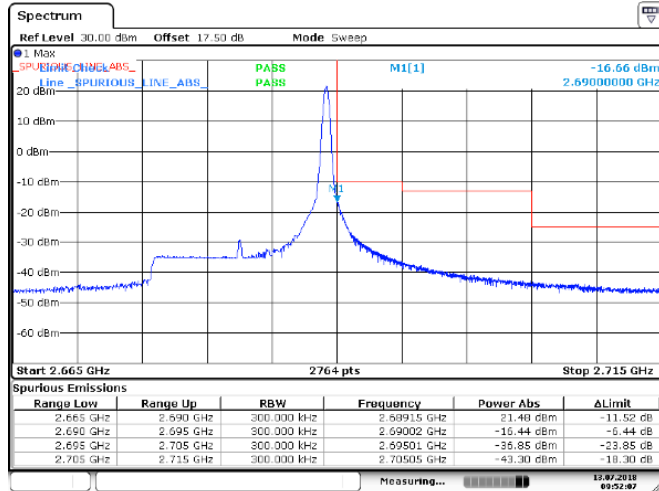


Date: 13 JUL 2018 09:54:09

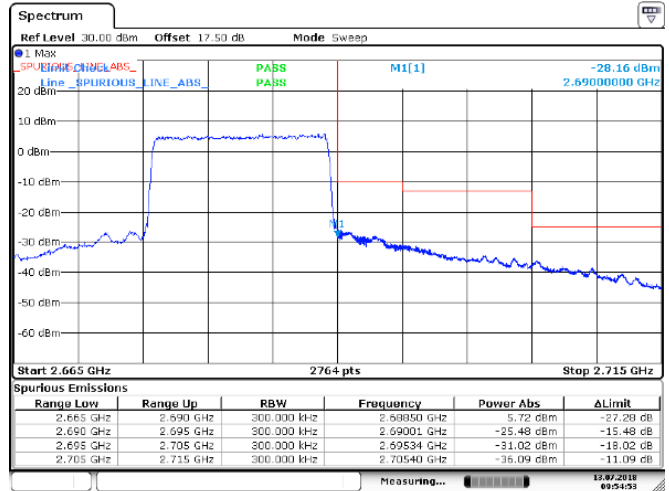
16QAM

RB1#74

RB75#0



Date: 13 JUL 2018 09:52:07



Date: 13 JUL 2018 09:54:53

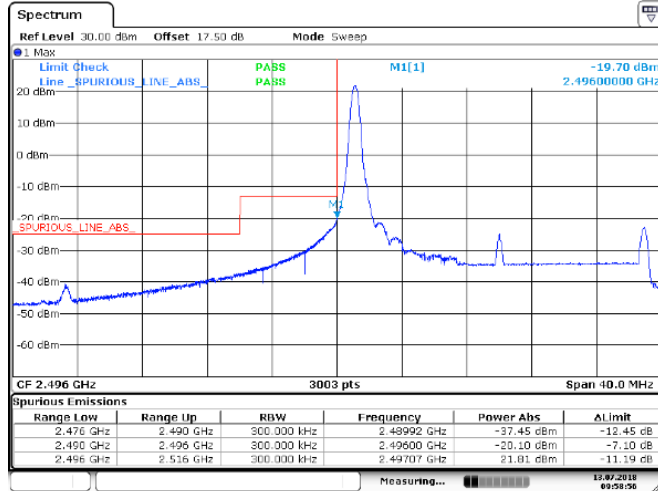
LTE Band41: BAND EDGE EMISSION

Test BW: 20MHz - Low Channel

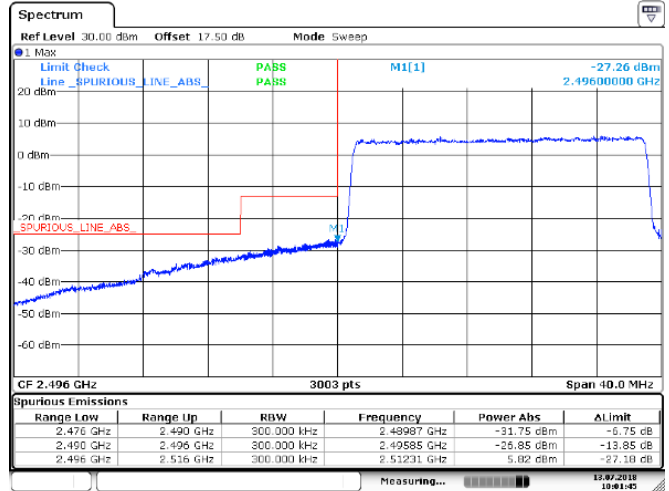
QPSK

RB1#0

RB100#0



Date: 13 JUL 2018 09:58:56

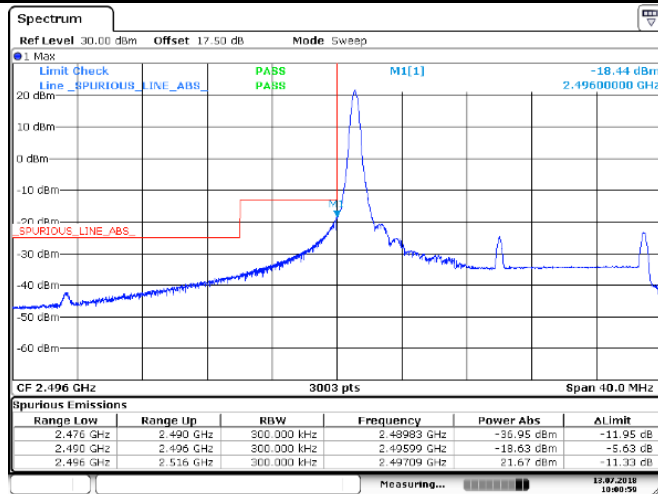


Date: 13 JUL 2018 10:01:45

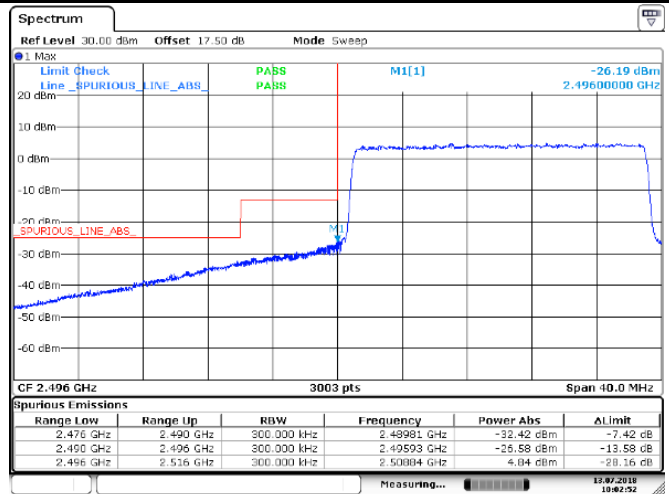
16QAM

RB1#0

RB100#0



Date: 13 JUL 2018 10:00:59



Date: 13 JUL 2018 10:02:52

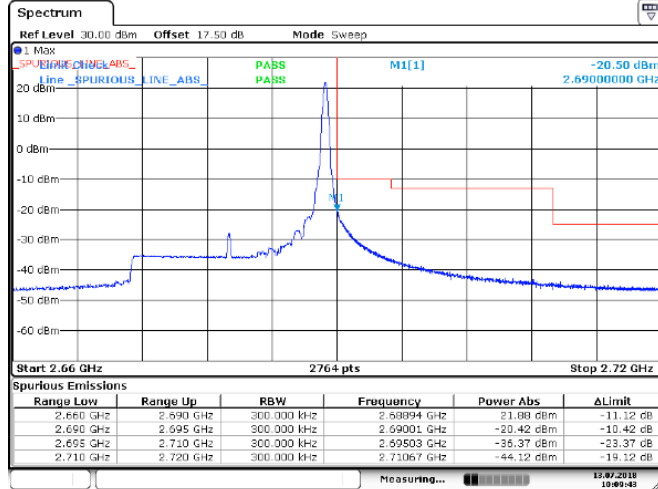
LTE Band41: BAND EDGE EMISSION

Test BW: 20MHz - High Channel

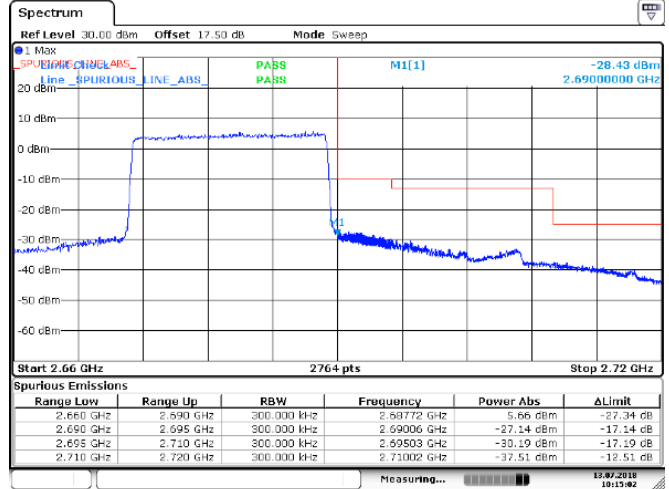
QPSK

RB1#99

RB100#0



Date: 13 JUL 2018 10:09:43

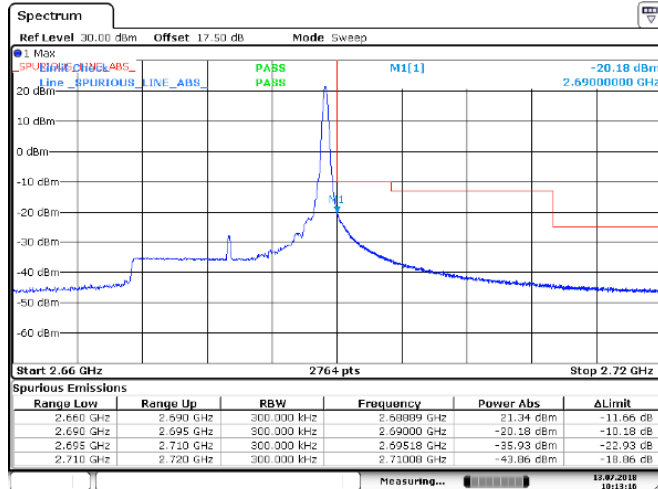


Date: 13 JUL 2018 10:15:02

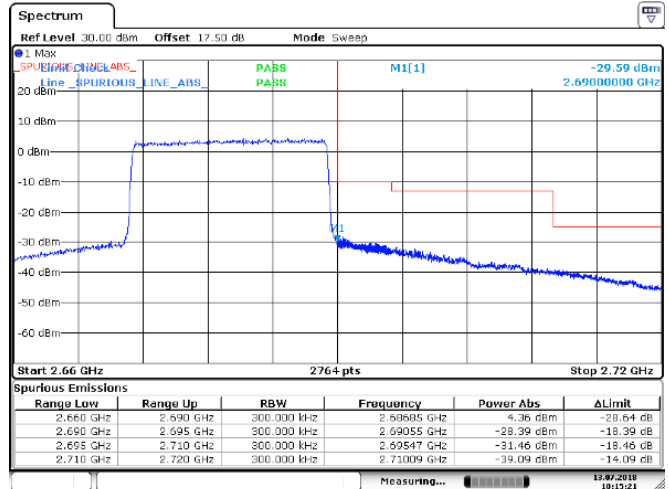
16QAM

RB1#99

RB100#0



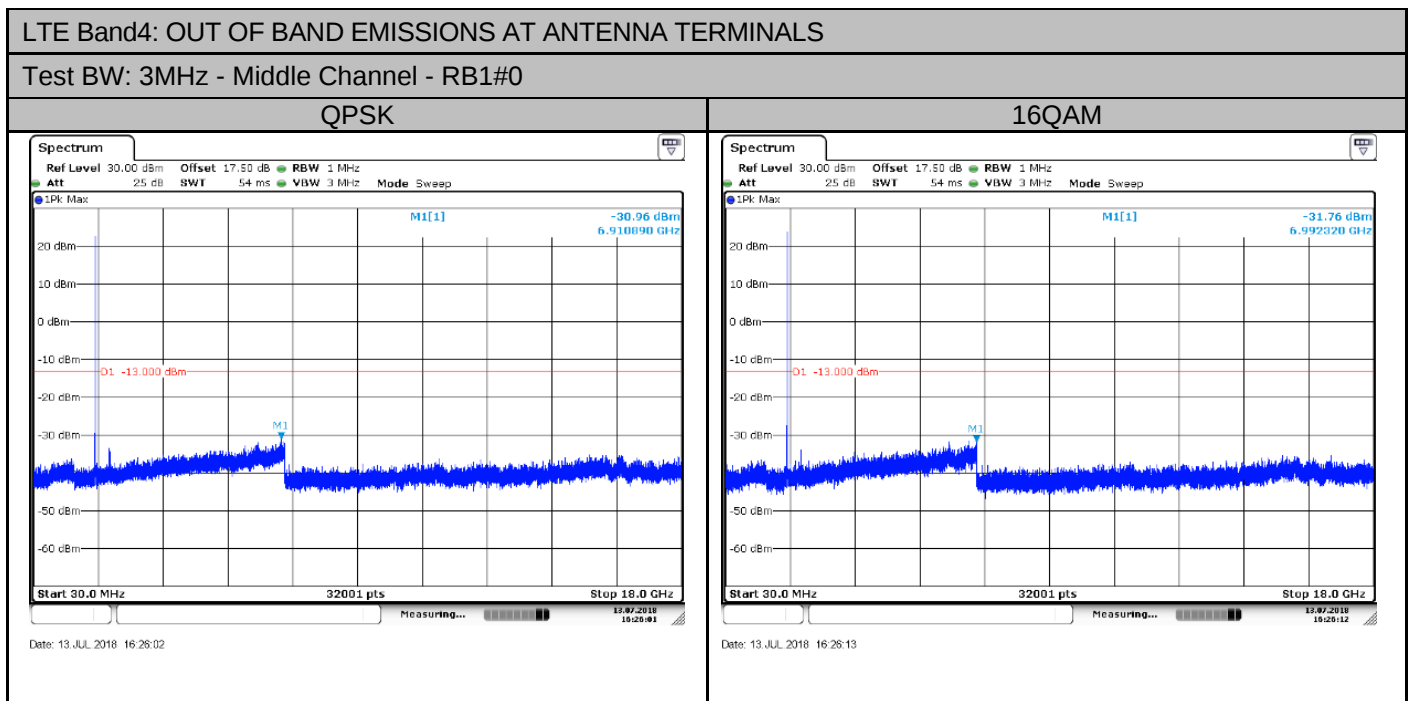
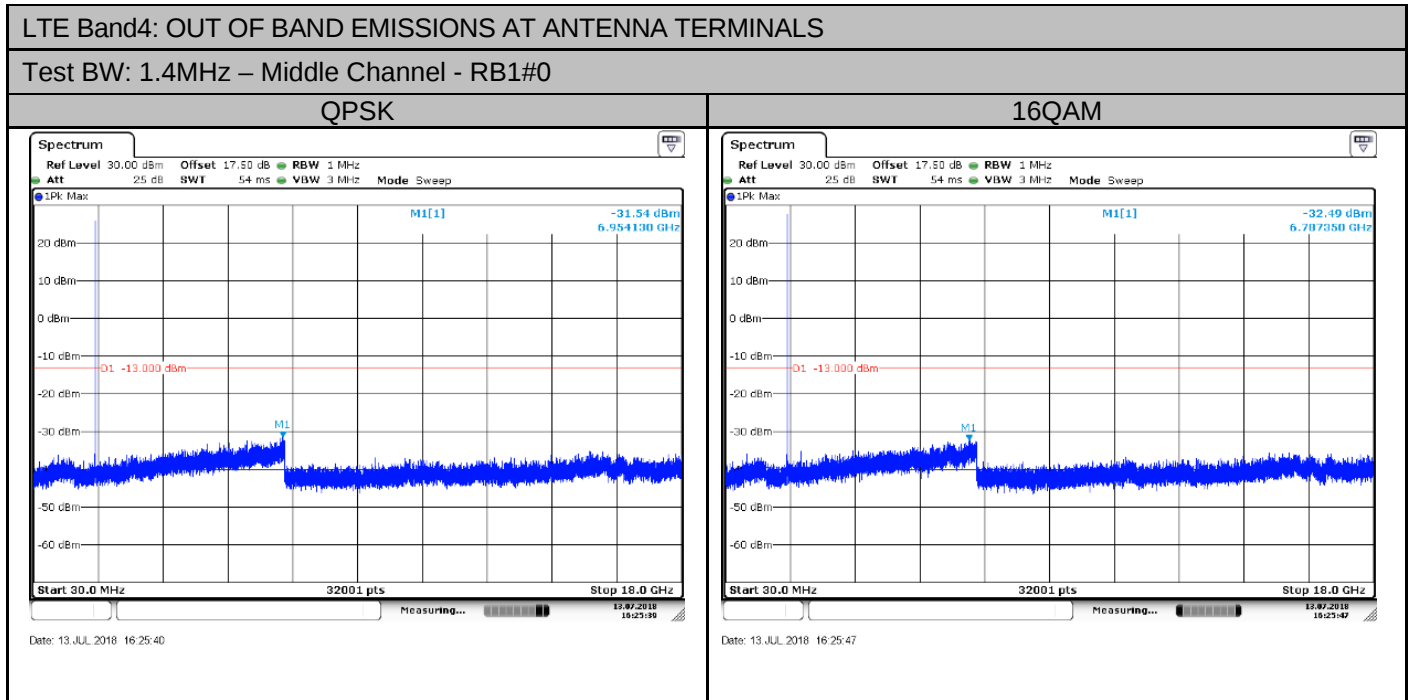
Date: 13 JUL 2018 10:13:16



Date: 13 JUL 2018 10:15:21

APPENDIX E: TEST DATA FOR OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

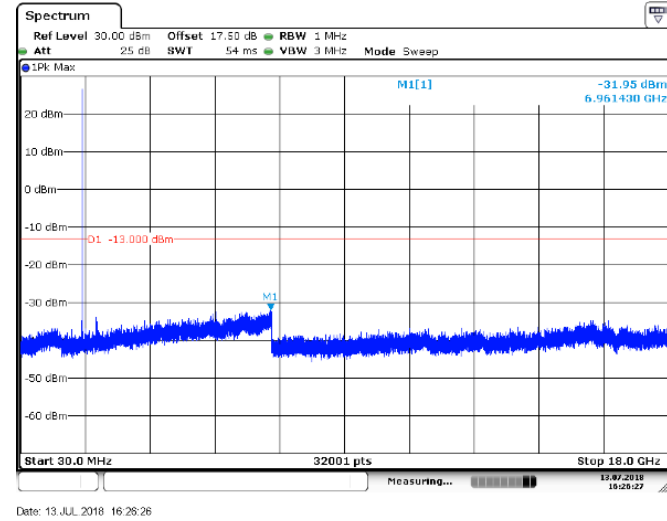
Test plots as follow:



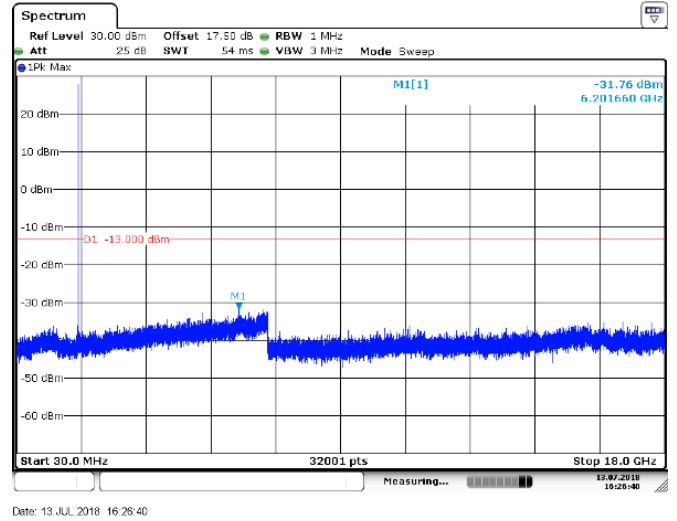
LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0

QPSK



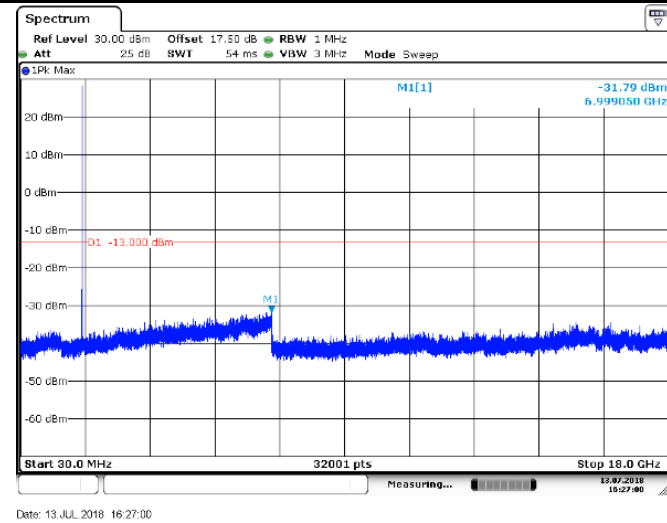
16QAM



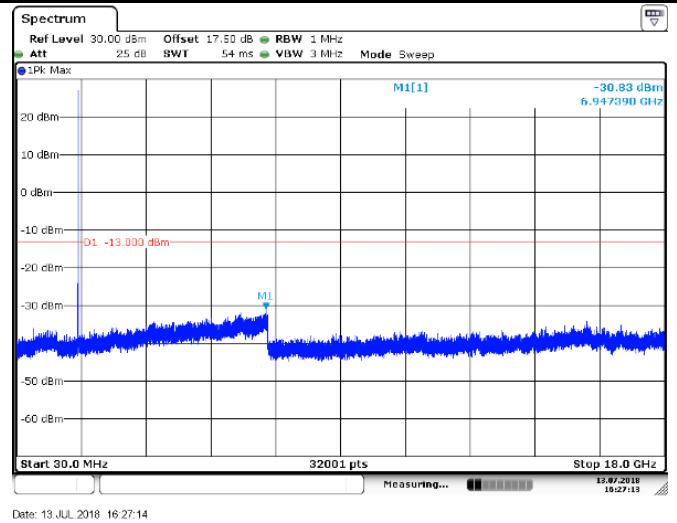
LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 10MHz - Middle Channel - RB1#0

QPSK



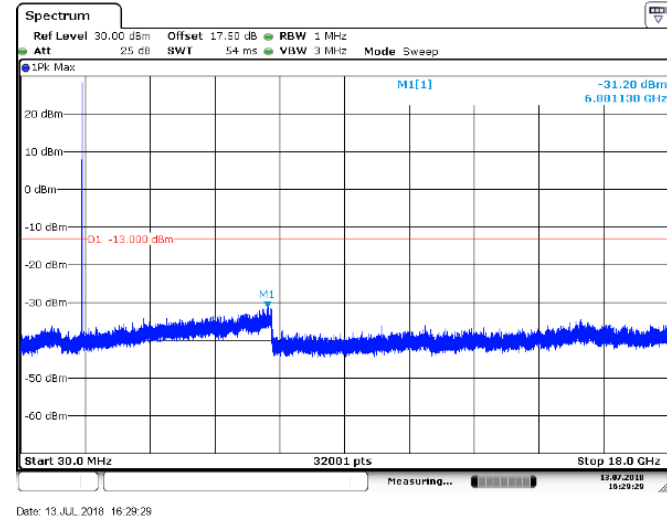
16QAM



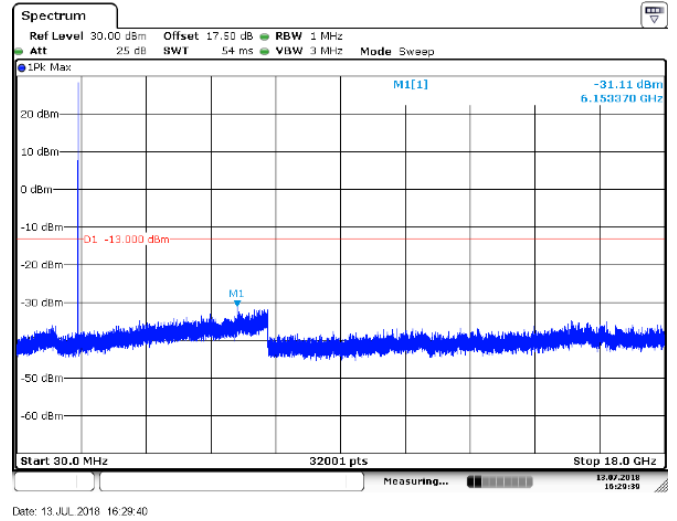
LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 15MHz - Middle Channel - RB1#0

QPSK



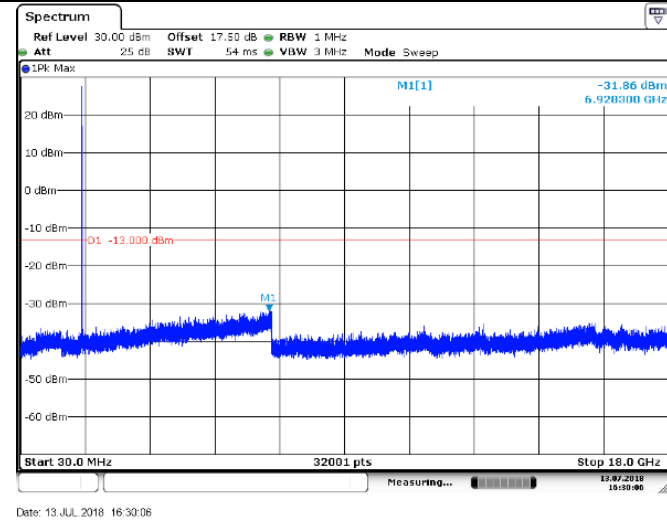
16QAM



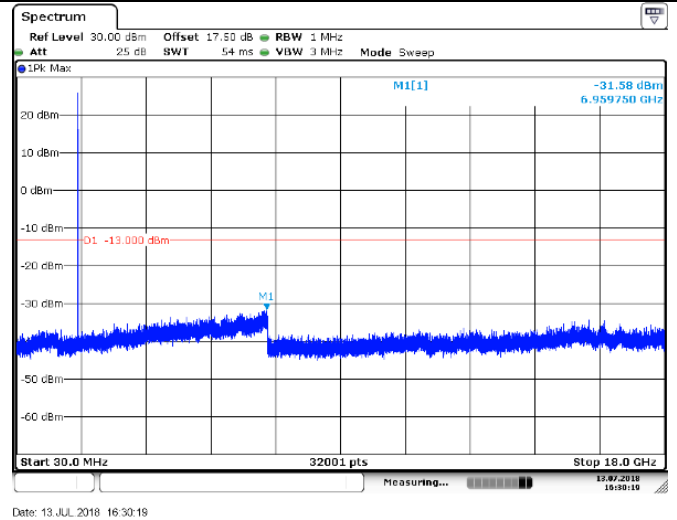
LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 20MHz - Middle Channel - RB1#0

QPSK

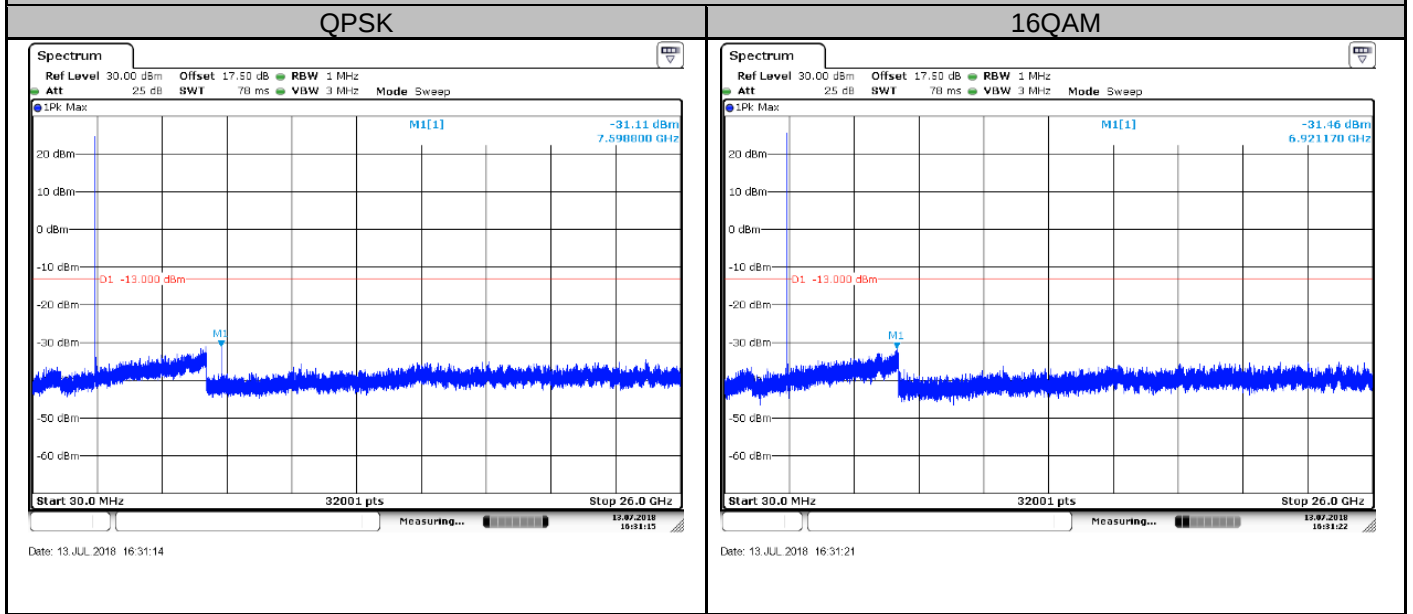


16QAM



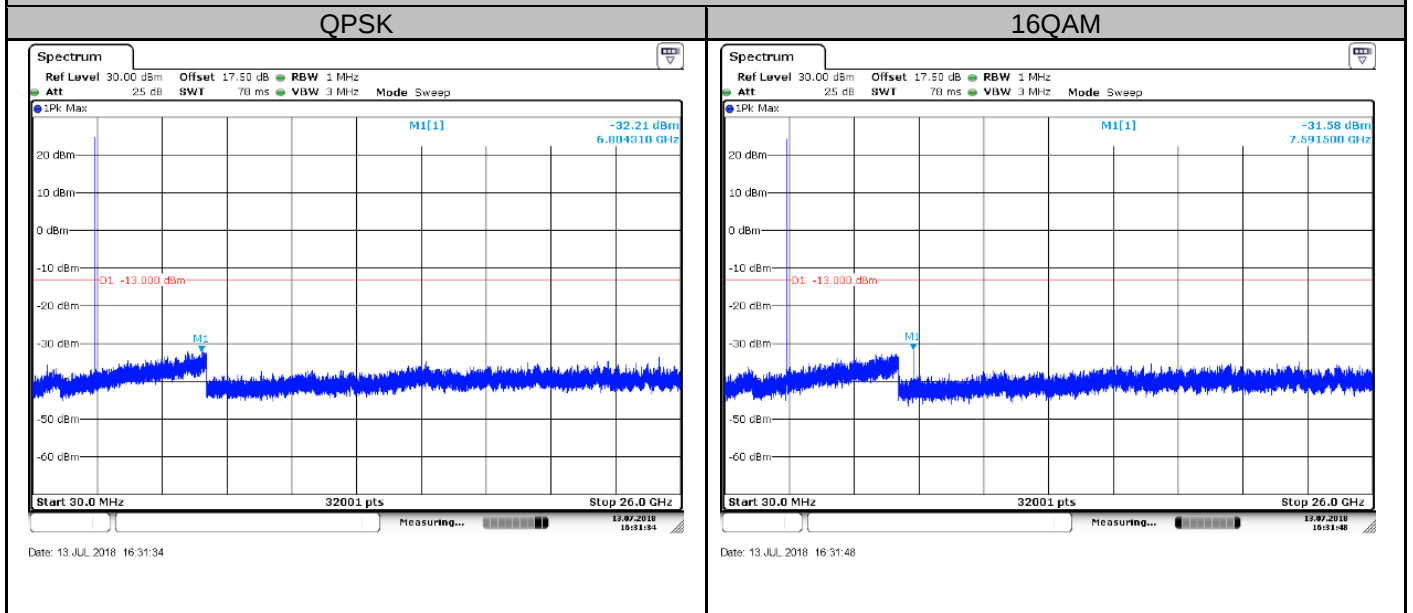
LTE Band7: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0



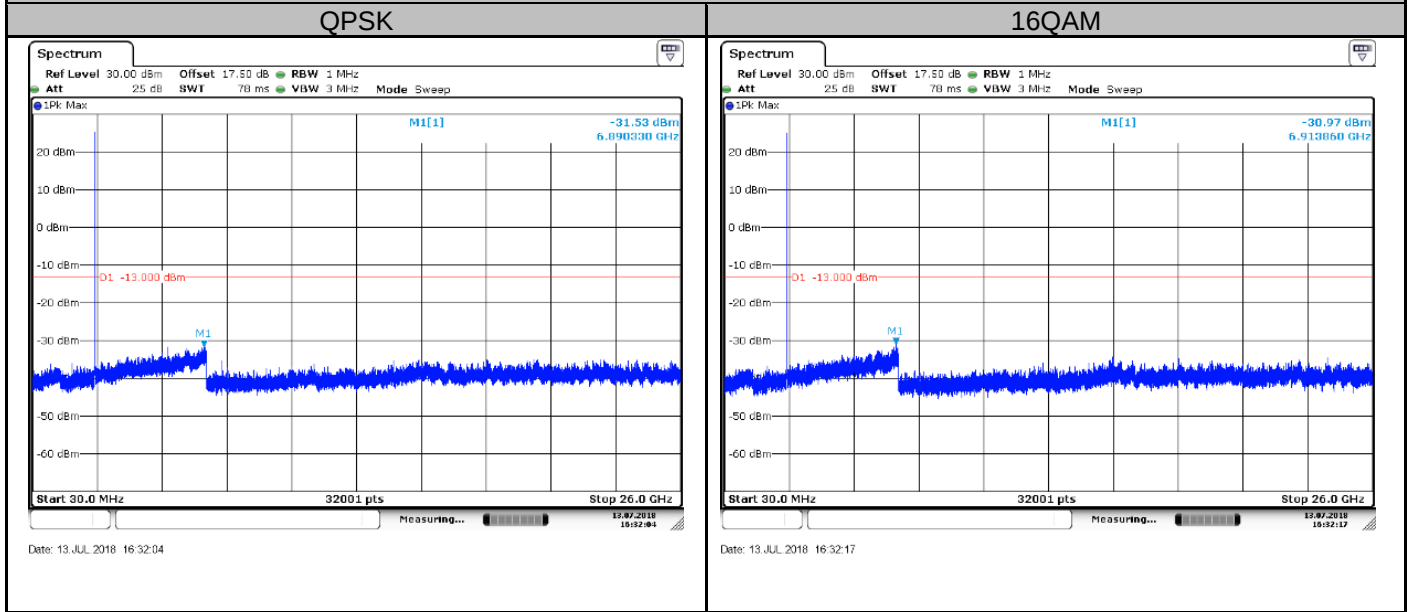
LTE Band7: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 10MHz - Middle Channel - RB1#0



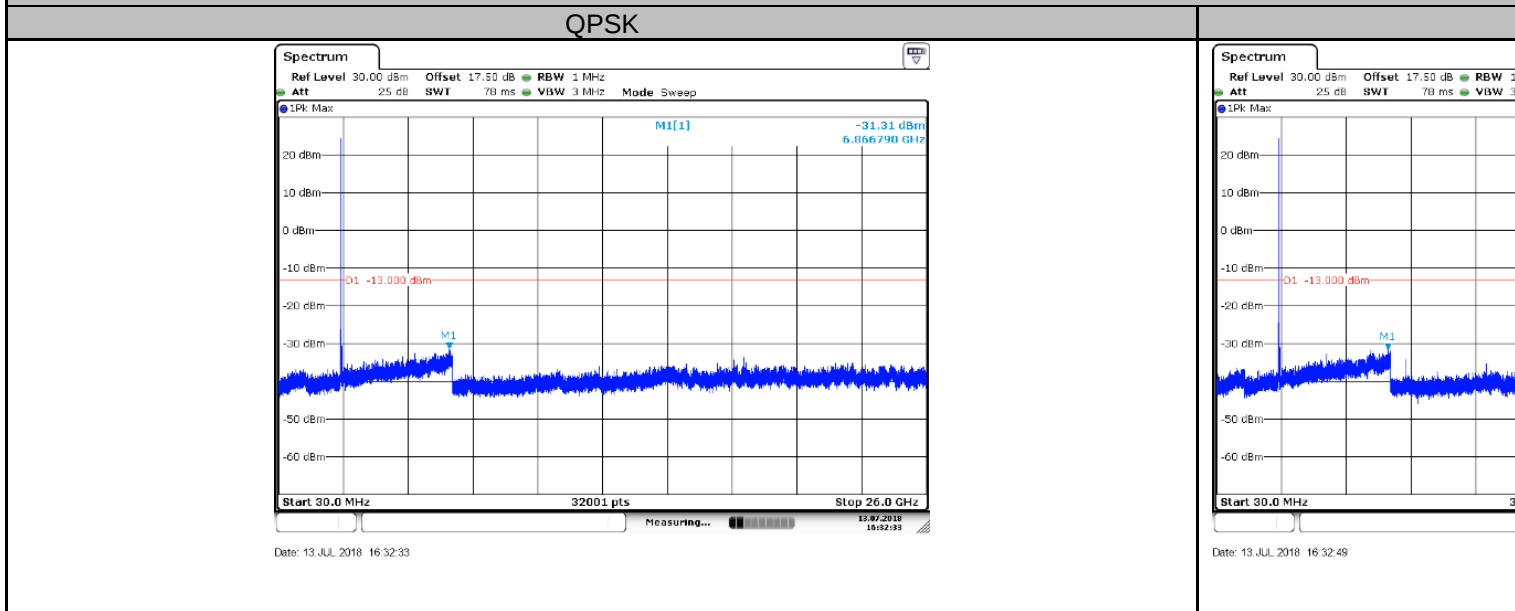
LTE Band7: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 15MHz - Middle Channel - RB1#0



LTE Band7: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

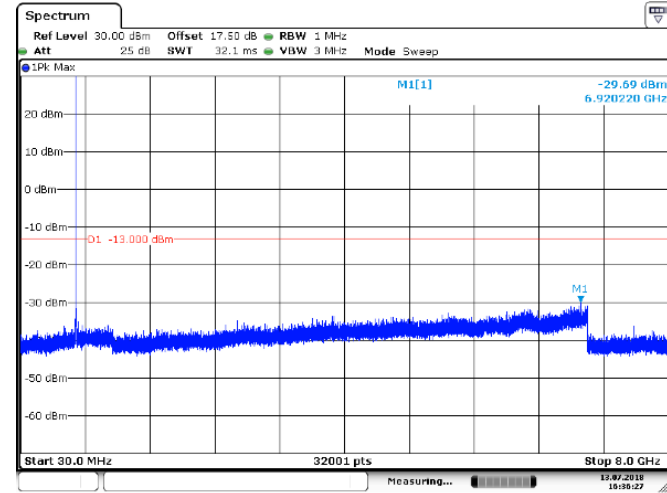
Test BW: 20MHz - Middle Channel - RB1#0



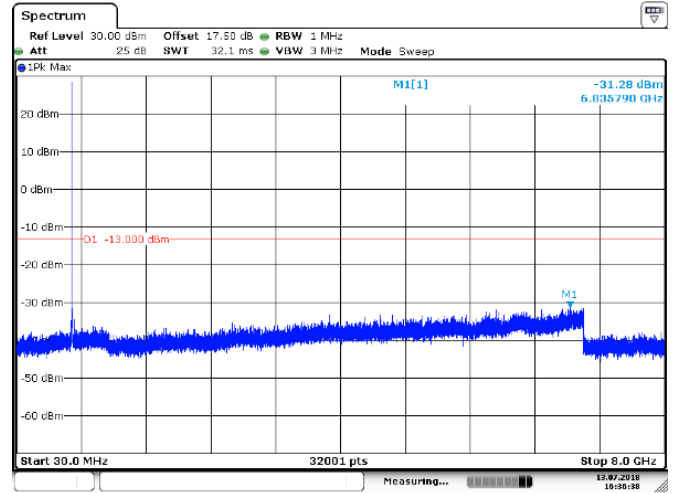
LTE Band12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 1.4MHz - Middle Channel - RB1#0

QPSK



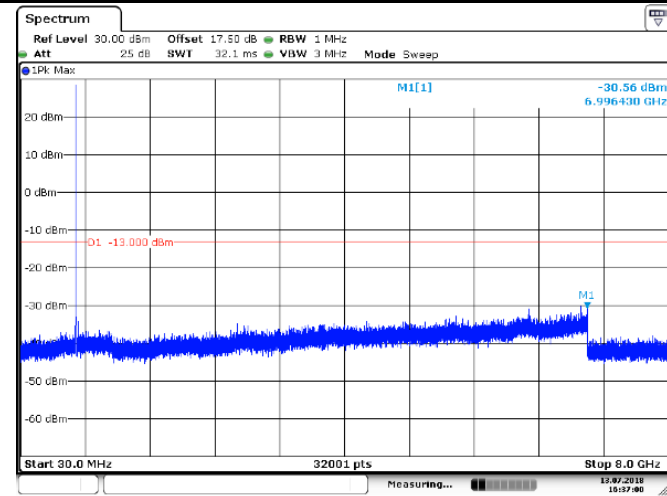
16QAM



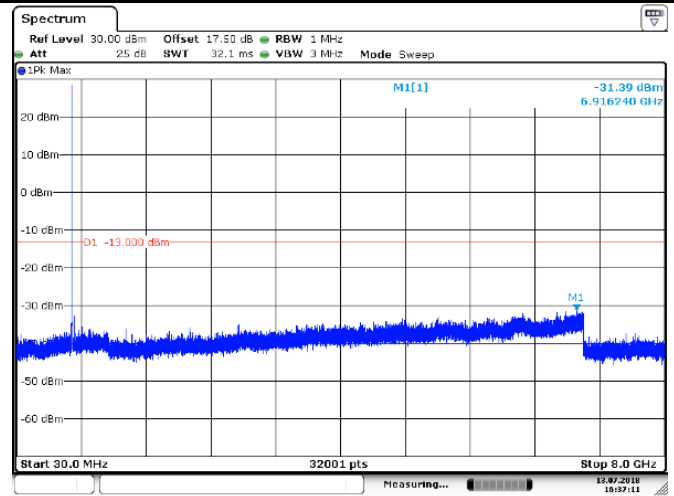
LTE Band12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 3MHz - Middle Channel - RB1#0

QPSK



16QAM

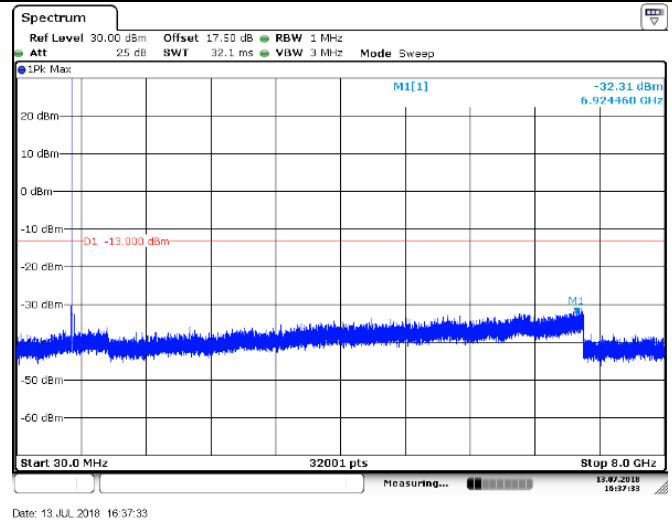
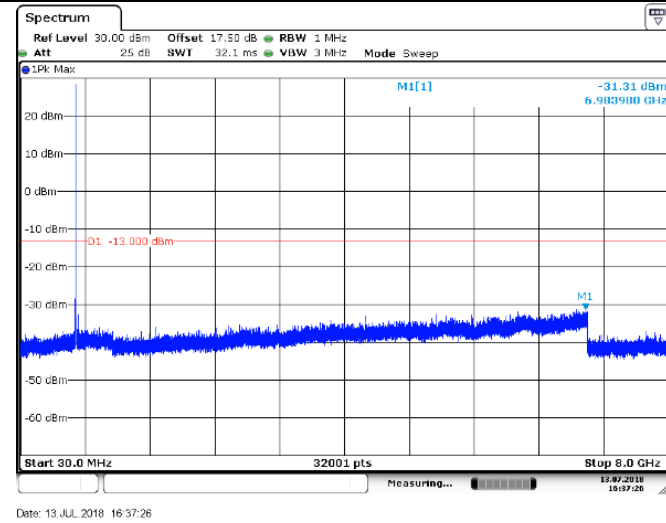


LTE Band12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0

QPSK

16QAM

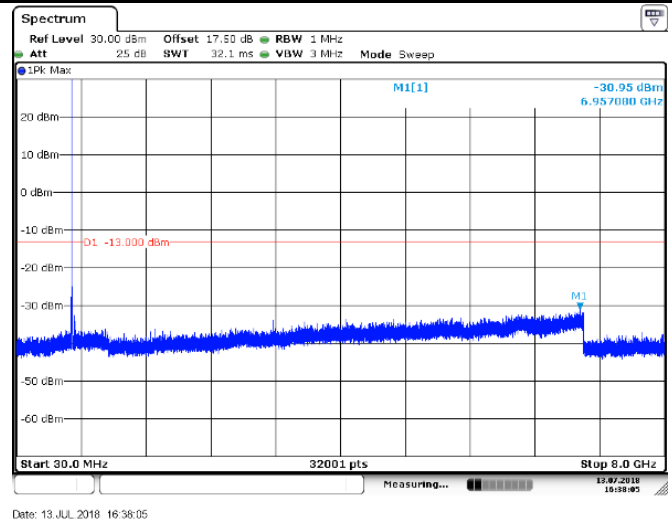
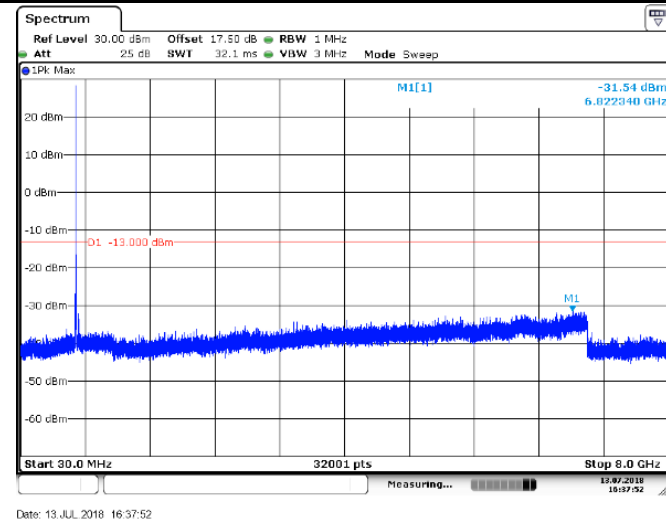


LTE Band12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 10MHz - Middle Channel - RB1#0

QPSK

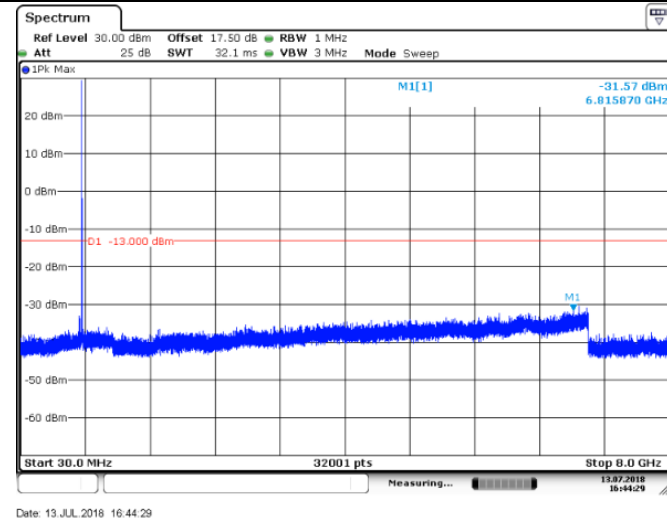
16QAM



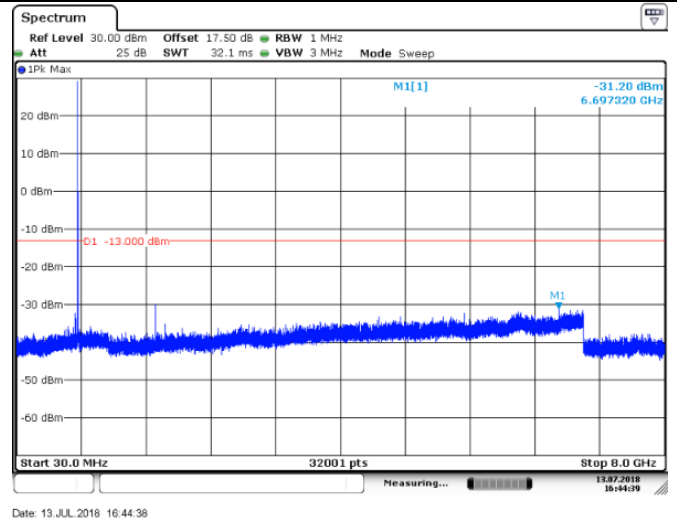
LTE Band13: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0

QPSK



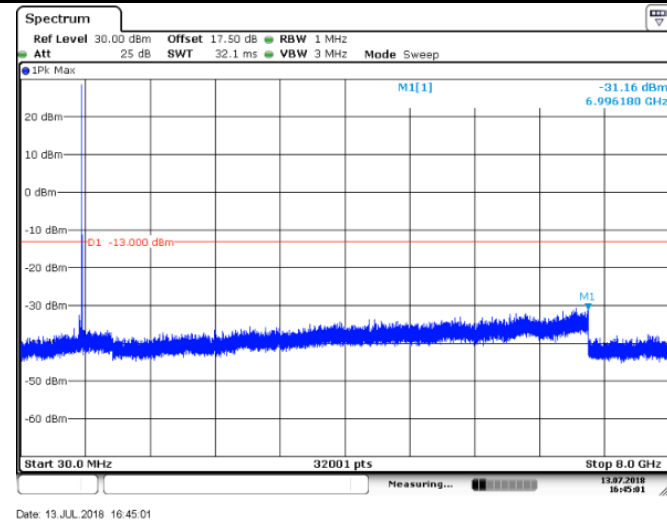
16QAM



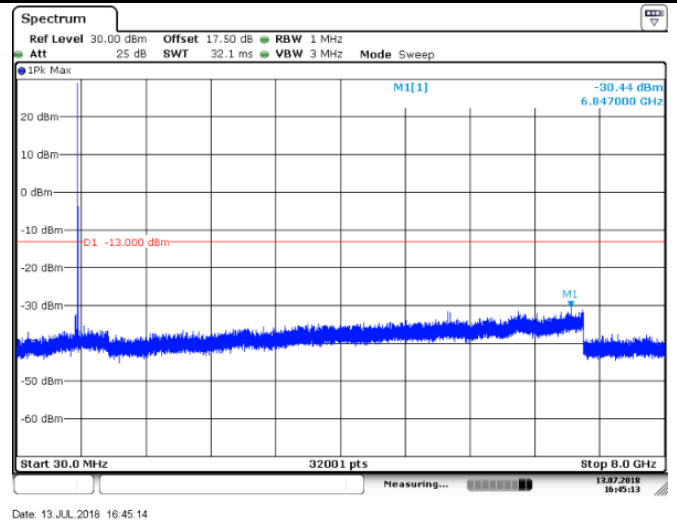
LTE Band13: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 10MHz - Middle Channel - RB1#0

QPSK



16QAM

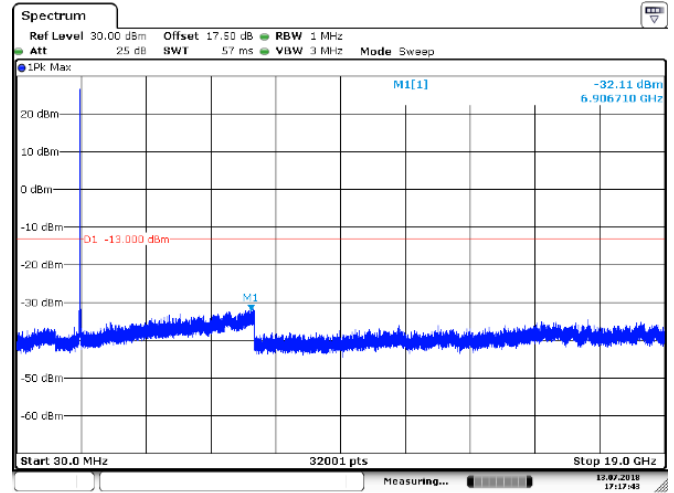
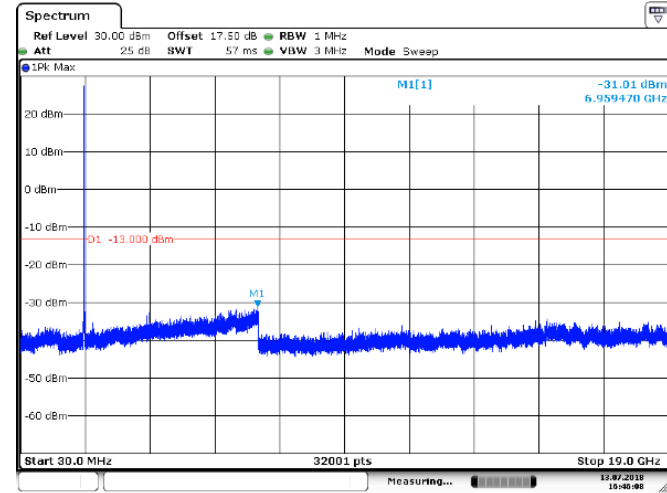


LTE Band25: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 1.4MHz - Middle Channel - RB1#0

QPSK

16QAM

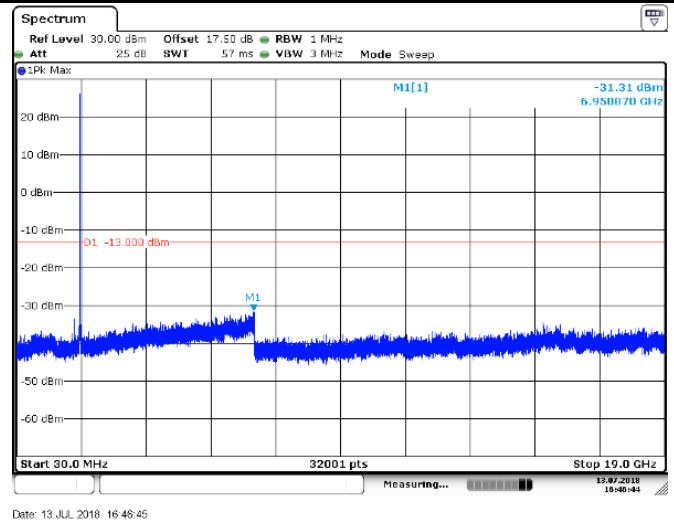
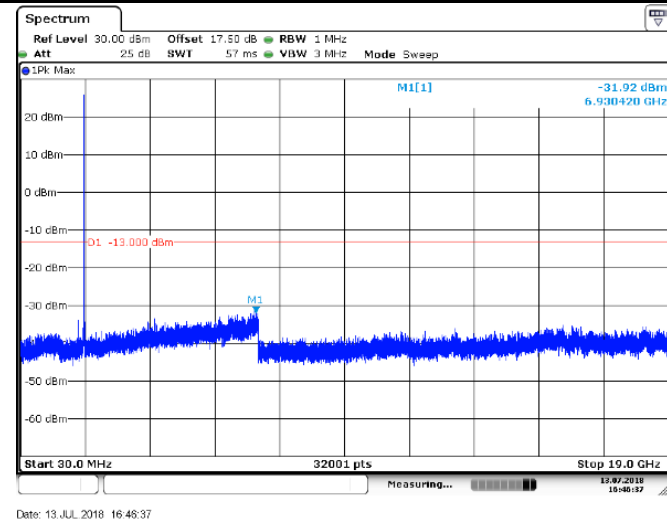


LTE Band25: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 3MHz - Middle Channel - RB1#0

QPSK

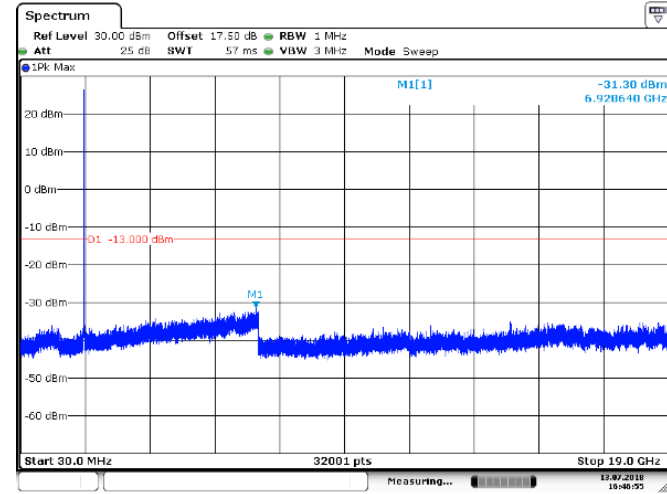
16QAM



LTE Band25: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

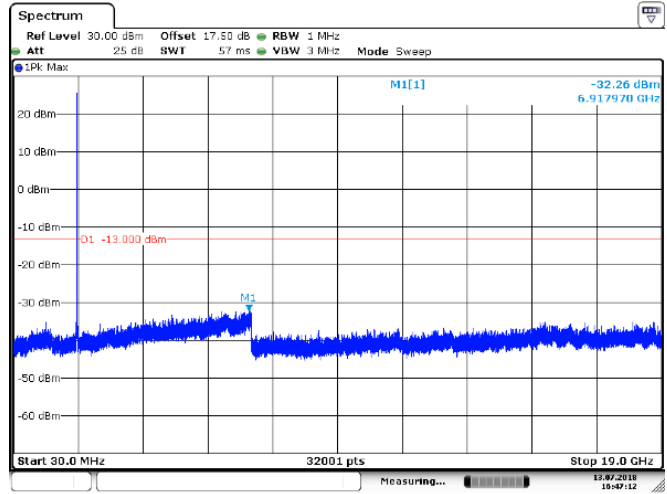
Test BW: 5MHz - Middle Channel - RB1#0

QPSK



Date: 13 JUL 2018 16:48:55

16QAM

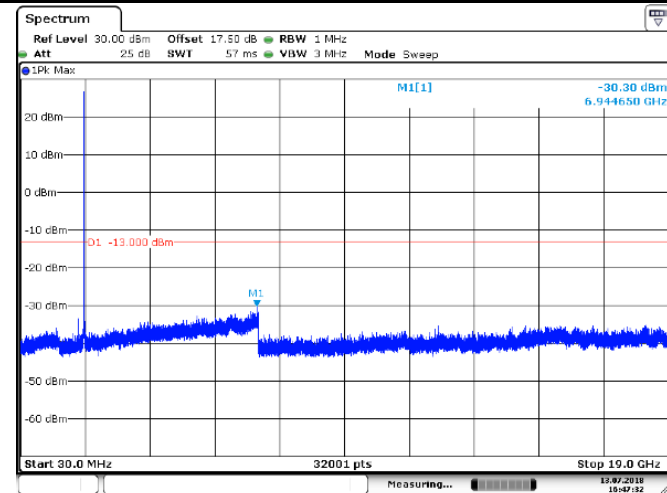


Date: 13 JUL 2018 16:47:12

LTE Band25: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

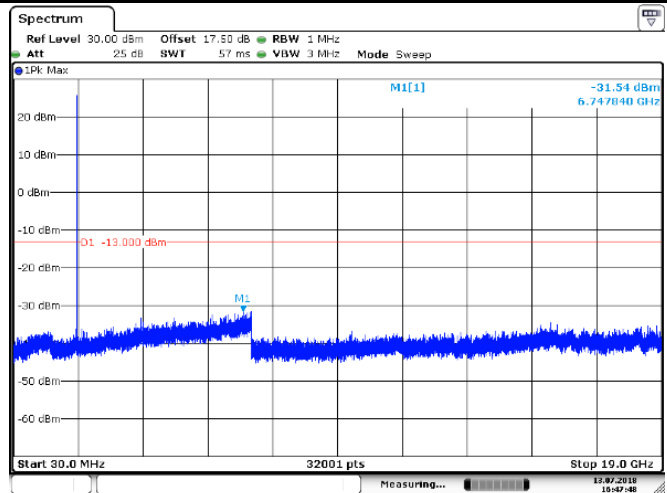
Test BW: 10MHz - Middle Channel - RB1#0

QPSK



Date: 13 JUL 2018 16:47:32

16QAM



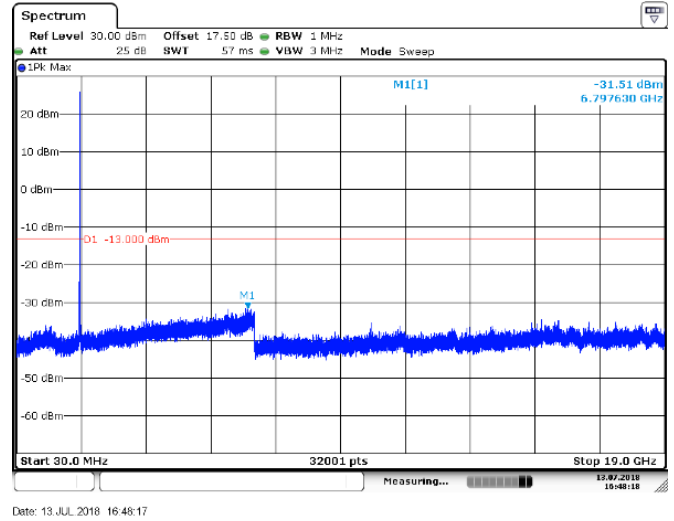
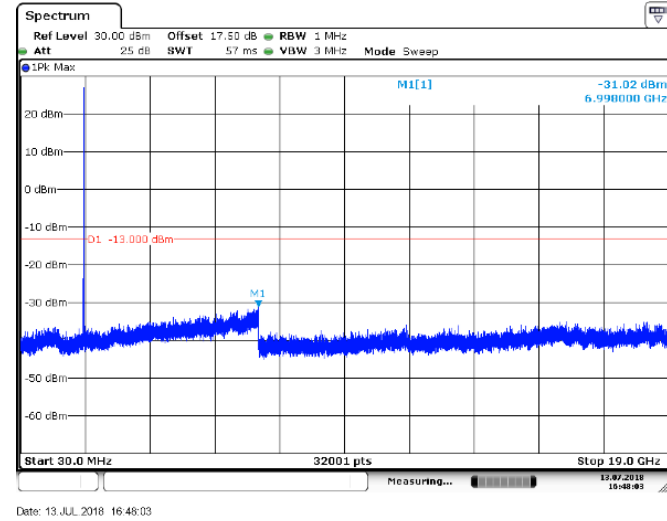
Date: 13 JUL 2018 16:47:48

LTE Band25: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 15MHz - Middle Channel - RB1#0

QPSK

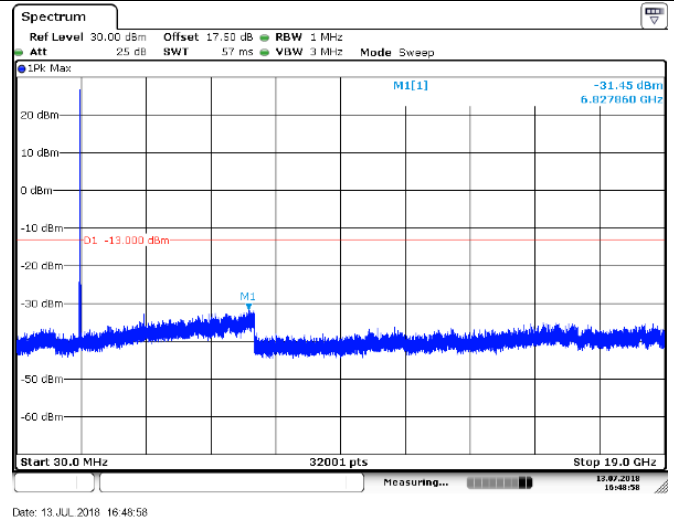
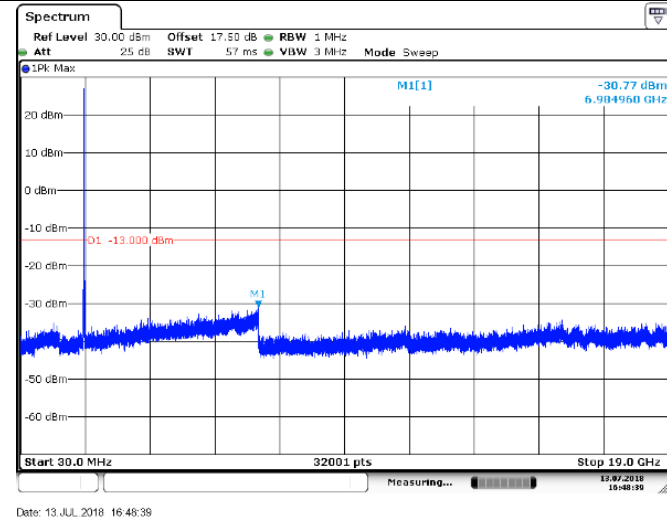
16QAM



LTE Band25: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 20MHz - Middle Channel - RB1#0

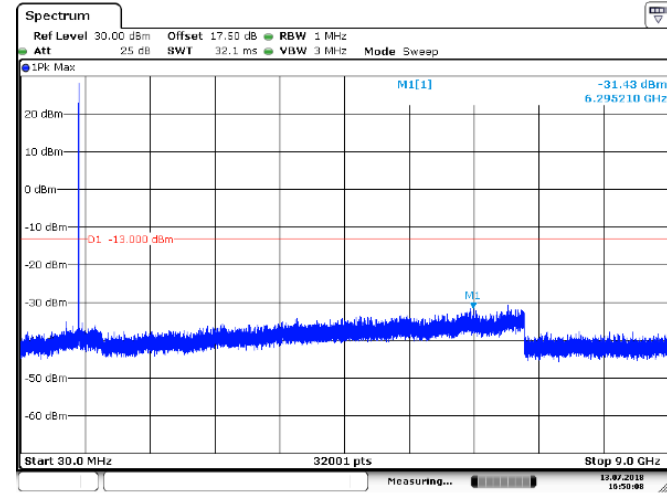
16QAM



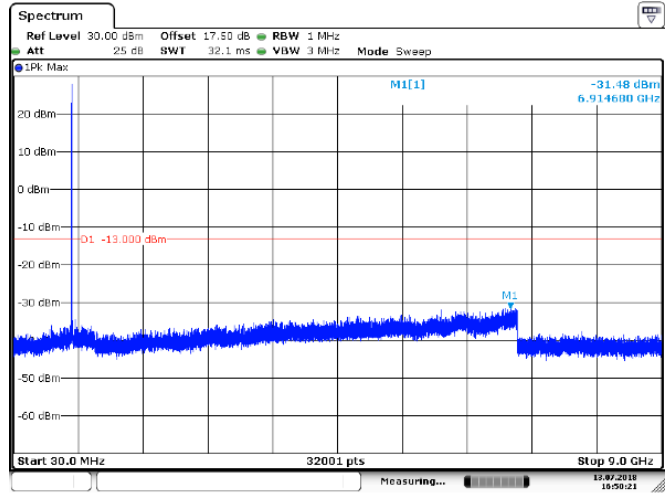
LTE Band26: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 1.4MHz - Middle Channel - RB1#0

QPSK



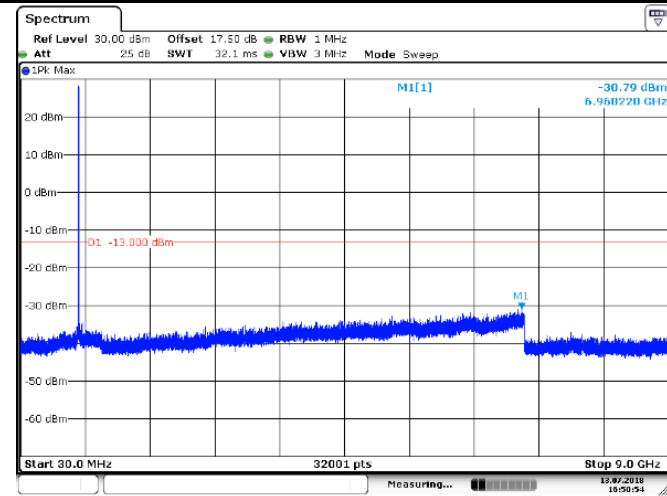
16QAM



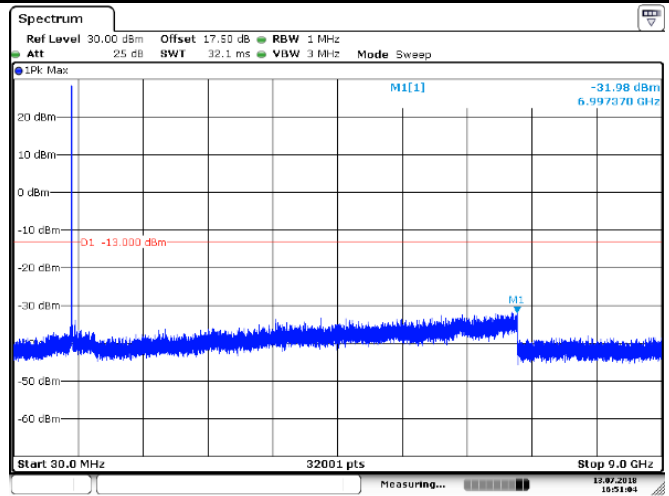
LTE Band26: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 3MHz - Middle Channel - RB1#0

QPSK

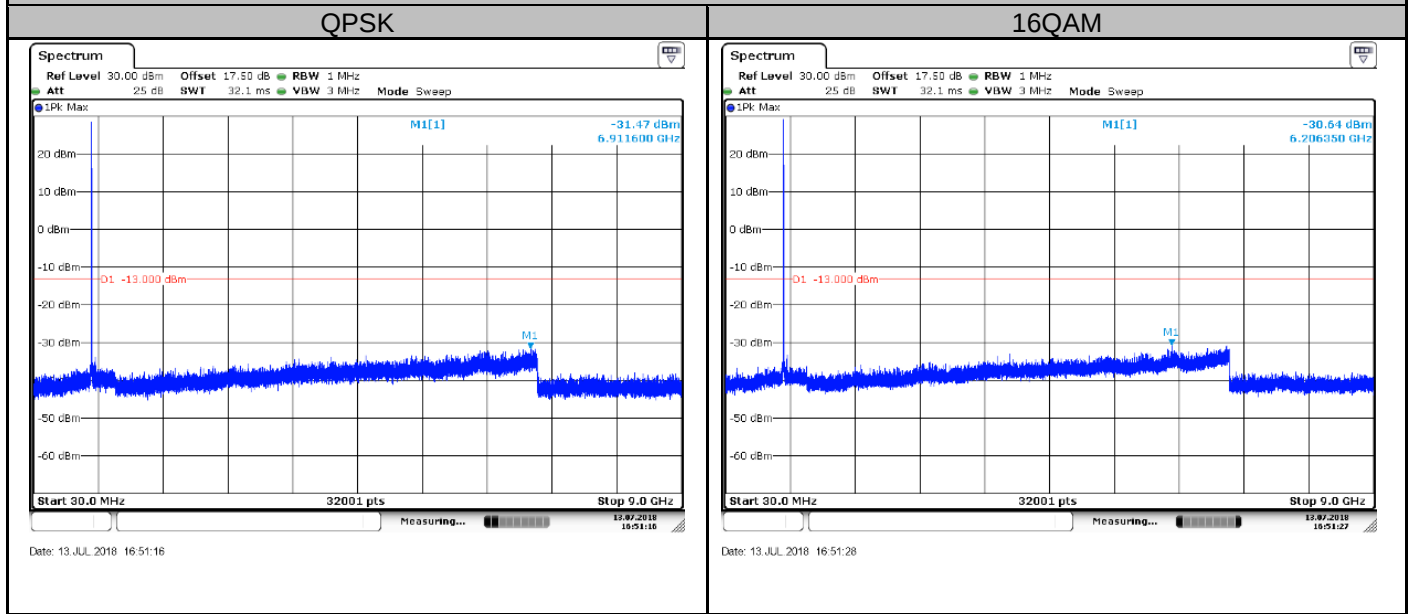


16QAM



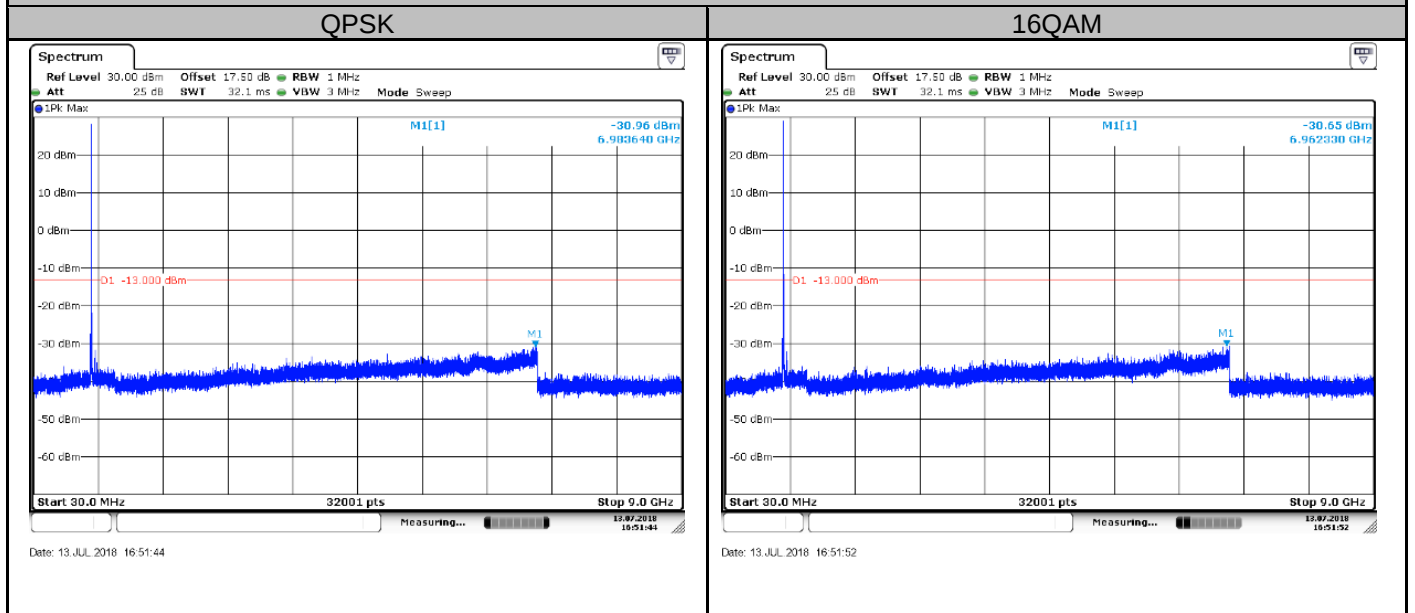
LTE Band26: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0



LTE Band26: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

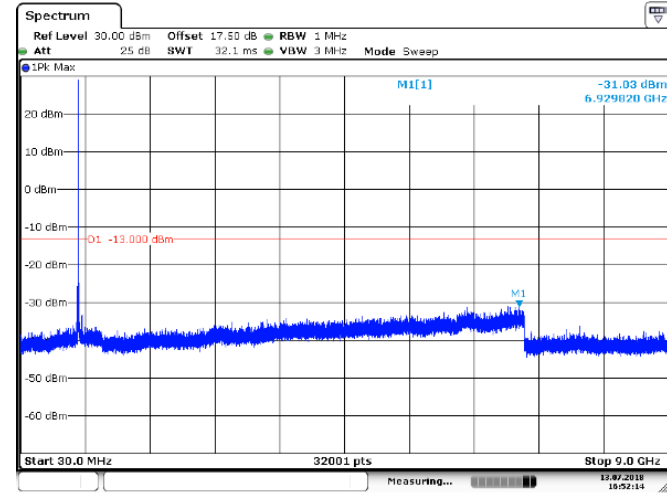
Test BW: 10MHz - Middle Channel - RB1#0



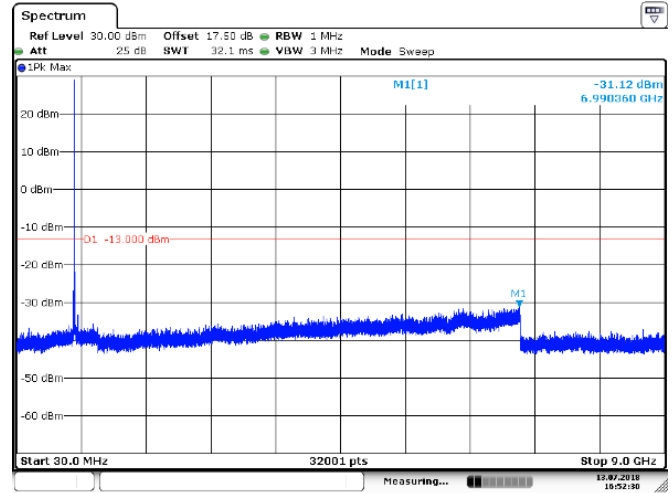
LTE Band26: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 15MHz - Middle Channel - RB1#0

QPSK



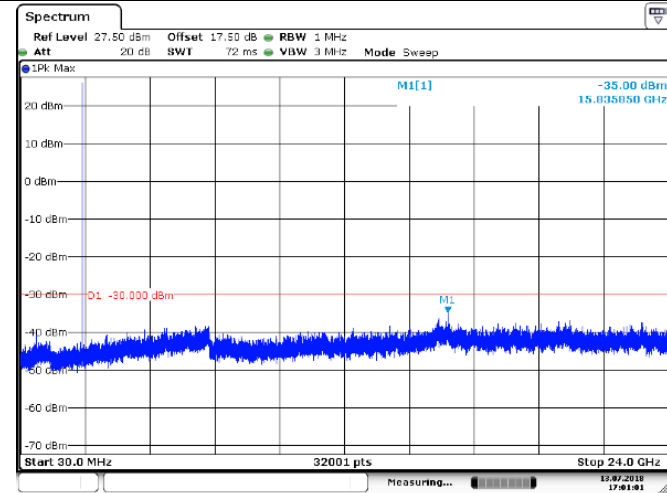
16QAM



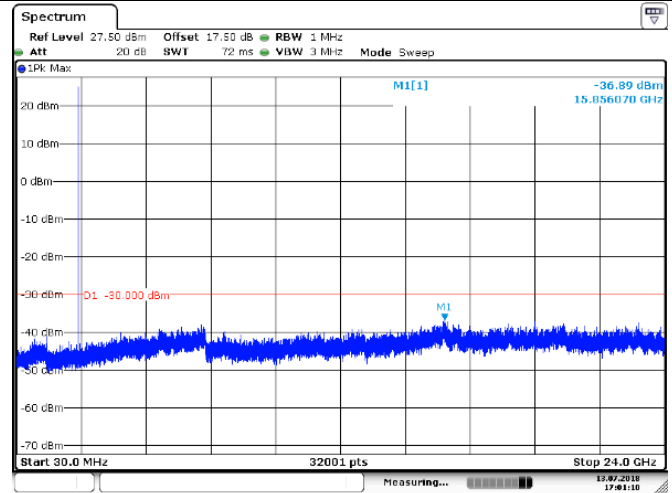
LTE Band30: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0

QPSK



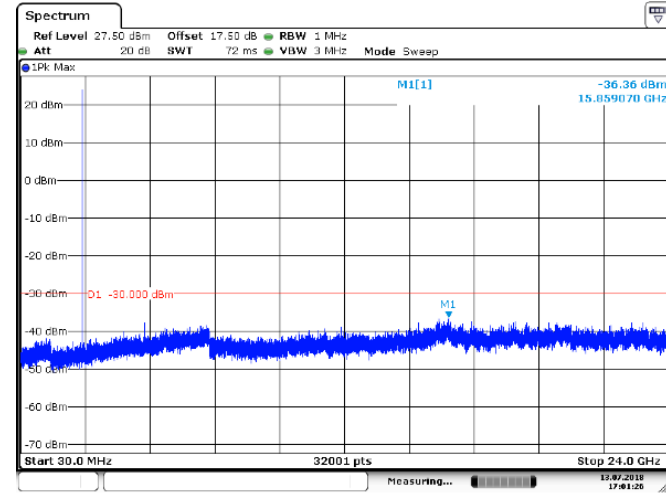
16QAM



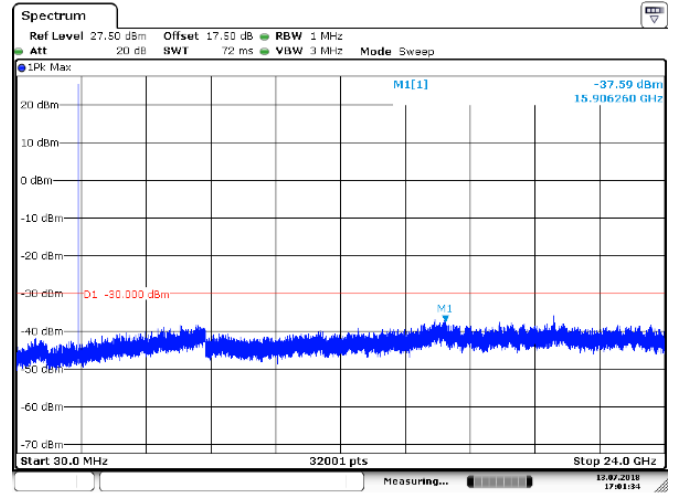
LTE Band30: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 10MHz - Middle Channel - RB1#0

QPSK



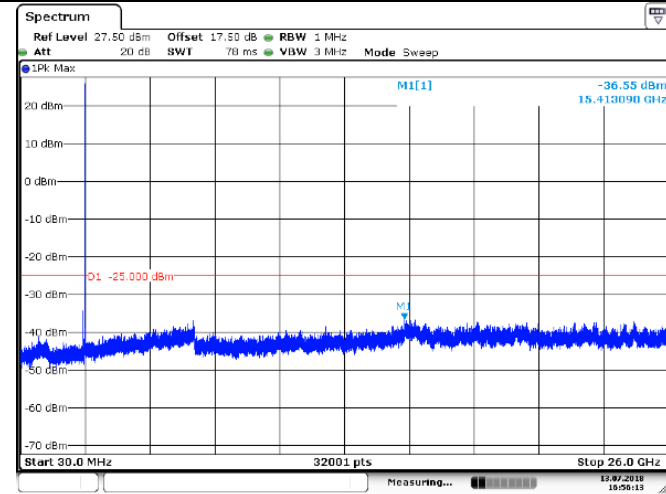
16QAM



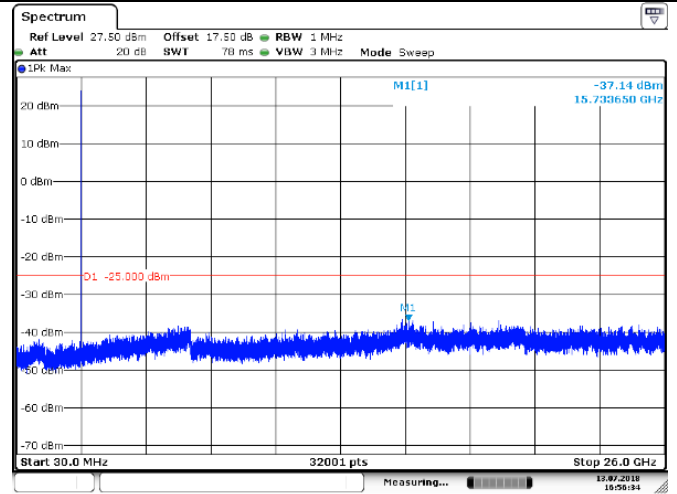
LTE Band41: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 5MHz - Middle Channel - RB1#0

QPSK



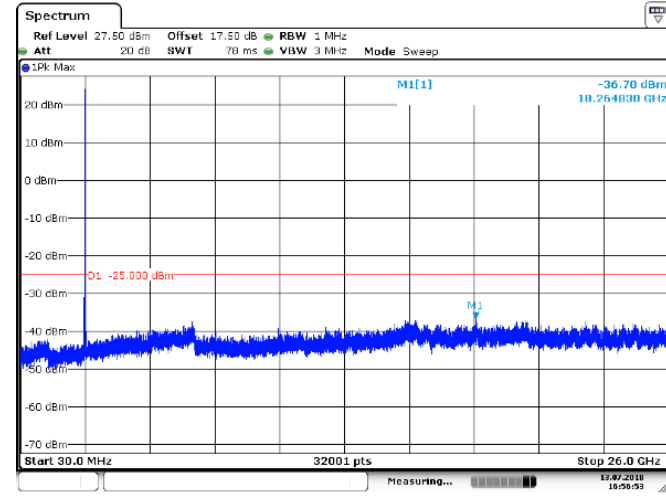
16QAM



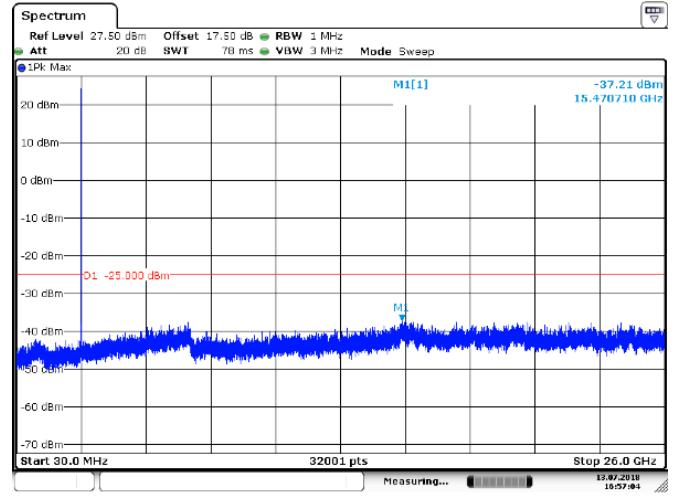
LTE Band41: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 10MHz - Middle Channel - RB1#0

QPSK



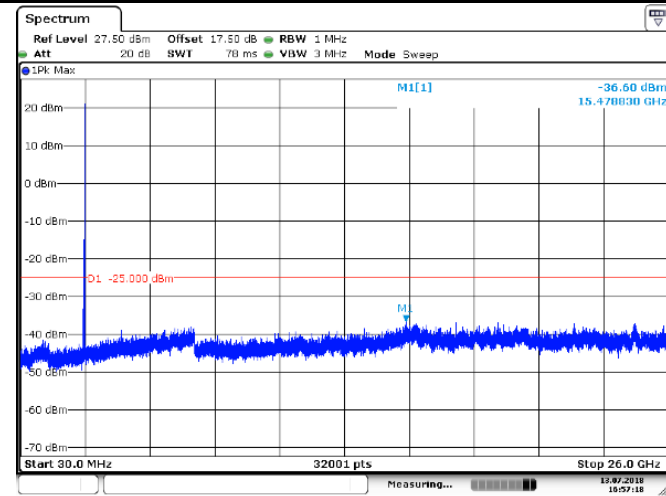
16QAM



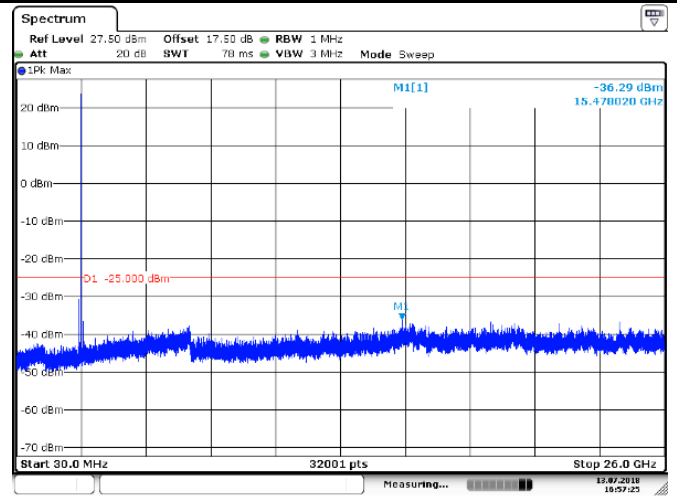
LTE Band41: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

Test BW: 15MHz - Middle Channel - RB1#0

QPSK



16QAM

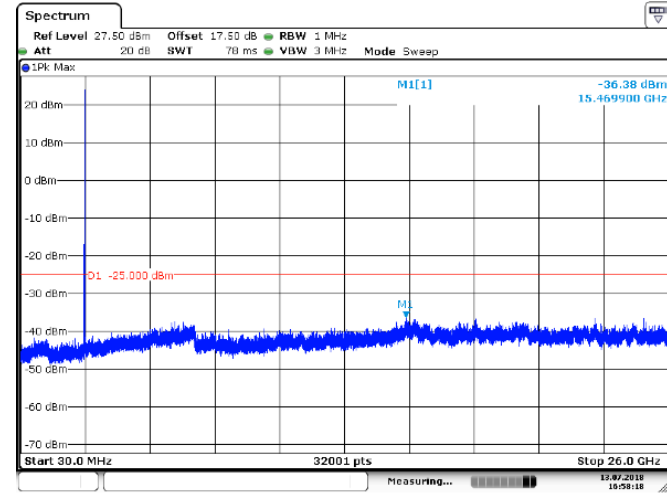


LTE Band41: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

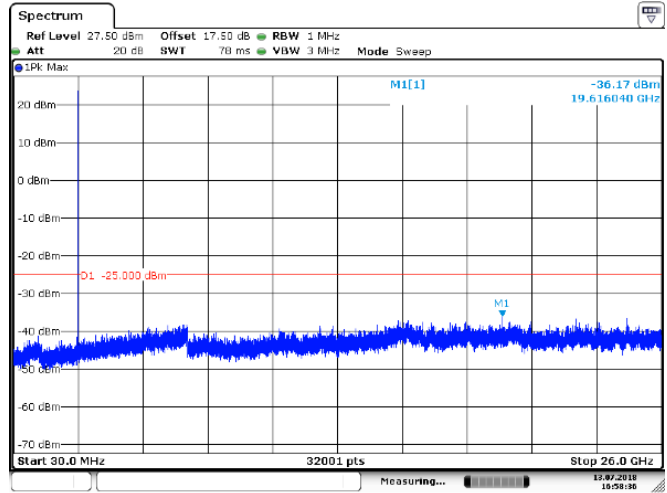
Test BW: 20MHz - Middle Channel - RB1#0

QPSK

16QAM



Date: 13 JUL 2018 16:58:17



Date: 13 JUL 2018 16:58:36

APPENDIX F: TEST DATA FOR FIELD STRENGTH OF SPURIOUS RADIATION

All modes have been tested, and the worst result recorded was report as below

For LTE BAND4 link

■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5197.50	H	1.4 MHz	RB1#0	-37.73	-13	-24.73	Pass
14587.68	H	1.4 MHz	RB1#0	-35.07	-13	-22.07	Pass
--	--	--	--	--	--	--	--
5197.50	V	1.4 MHz	RB1#0	-38.73	-13	-25.73	Pass
14901.74	V	1.4 MHz	RB1#0	-34.19	-13	-21.19	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5197.50	H	3 MHz	RB1#0	-37.12	-13	-24.12	Pass
14154.52	H	3 MHz	RB1#0	-38.36	-13	-25.36	Pass
--	--	--	--	--	--	--	--
5197.50	V	3 MHz	RB1#0	-39.04	-13	-26.04	Pass
15473.52	V	3 MHz	RB1#0	-35.04	-13	-22.04	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5197.50	H	5 MHz	RB1#0	-37.08	-13	-24.08	Pass
14955.92	H	5 MHz	RB1#0	-34.76	-13	-21.76	Pass
--	--	--	--	--	--	--	--
5197.50	V	5 MHz	RB1#0	-38.40	-13	-25.40	Pass
14764.56	V	5 MHz	RB1#0	-34.67	-13	-21.67	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5197.50	H	10 MHz	RB1#0	-37.83	-13	-24.83	Pass
14385.81	H	10 MHz	RB1#0	-35.77	-13	-22.77	Pass
--	--	--	--	--	--	--	--
5197.50	V	10 MHz	RB1#0	-38.72	-13	-25.72	Pass
15247.36	V	10 MHz	RB1#0	-34.50	-13	-21.50	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5197.50	H	15 MHz	RB1#0	-38.04	-13	-25.04	Pass
15063.25	H	15 MHz	RB1#0	-35.58	-13	-22.58	Pass
--	--	--	--	--	--	--	--
5197.50	V	15 MHz	RB1#0	-39.21	-13	-26.21	Pass
15306.38	V	15 MHz	RB1#0	-35.66	-13	-22.66	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND4		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5197.50	H	20 MHz	RB1#0	-38.98	-13	-25.98	Pass
14933.66	H	20 MHz	RB1#0	-34.83	-13	-21.83	Pass
--	--	--	--	--	--	--	--
5197.50	V	20 MHz	RB1#0	-39.70	-13	-26.70	Pass
14983.89	V	20 MHz	RB1#0	-34.97	-13	-21.97	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preampl

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND7 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND7		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND7		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5070.00	H	5 MHz	RB1#0	-45.16	-25	-20.16	Pass
14169.75	H	5 MHz	RB1#0	-35.53	-25	-10.53	Pass
--	--	--	--	--	--	--	--
5070.00	V	5 MHz	RB1#0	-46.58	-25	-21.58	Pass
14716.46	V	5 MHz	RB1#0	-34.49	-25	-9.49	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND7		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5070.00	H	10 MHz	RB1#0	-45.58	-25	-20.58	Pass
14597.71	H	10 MHz	RB1#0	-34.63	-25	-9.63	Pass
--	--	--	--	--	--	--	--
5070.00	V	10 MHz	RB1#0	-46.35	-25	-21.35	Pass
15607.77	V	10 MHz	RB1#0	-34.40	-25	-9.40	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND7		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5070.00	H	15 MHz	RB1#0	-46.01	-25	-21.01	Pass
15110.60	H	15 MHz	RB1#0	-34.01	-25	-9.01	Pass
--	--	--	--	--	--	--	--
5070.00	V	15 MHz	RB1#0	-47.14	-25	-22.14	Pass
14613.66	V	15 MHz	RB1#0	-35.21	-25	-10.21	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND7		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5070.00	H	20 MHz	RB1#0	-46.67	-25	-21.67	Pass
15730.24	H	20 MHz	RB1#0	-35.83	-25	-10.83	Pass
--	--	--	--	--	--	--	--
5070.00	V	20 MHz	RB1#0	-47.28	-25	-22.28	Pass
14387.13	V	20 MHz	RB1#0	-34.75	-25	-9.75	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
 (2) Correct Factor= Ant_F + Cab_L - Preamp
 (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND12 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2830.00	H	1.4 MHz	RB1#0	-44.23	-13	-31.23	Pass
15771.69	H	1.4 MHz	RB1#0	-34.50	-13	-21.50	Pass
--	--	--	--	--	--	--	--
2830.00	V	1.4 MHz	RB1#0	-45.88	-13	-32.88	Pass
14232.28	V	1.4 MHz	RB1#0	-34.97	-13	-21.97	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2830.00	H	3 MHz	RB1#0	-44.20	-13	-31.20	Pass
14840.94	H	3 MHz	RB1#0	-45.79	-13	-32.79	Pass
--	--	--	--	--	--	--	--
2830.00	V	3 MHz	RB1#0	-46.83	-13	-33.83	Pass
15651.42	V	3 MHz	RB1#0	-35.78	-13	-22.78	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2830.00	H	5 MHz	RB1#0	-44.86	-13	-31.86	Pass
15817.55	H	5 MHz	RB1#0	-34.96	-13	-21.96	Pass
--	--	--	--	--	--	--	--
2830.00	V	5 MHz	RB1#0	-45.71	-13	-32.71	Pass
14436.26	V	5 MHz	RB1#0	-35.34	-13	-22.34	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2830.00	H	10 MHz	RB1#0	-44.23	-13	-31.23	Pass
14007.88	H	10 MHz	RB1#0	-35.51	-13	-22.51	Pass
--	--	--	--	--	--	--	--
2830.00	V	10 MHz	RB1#0	-45.28	-13	-32.28	Pass
15502.07	V	10 MHz	RB1#0	-35.86	-13	-22.86	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND13 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND13		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND13		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2346.00	H	5 MHz	RB1#0	-39.32	-13	-26.32	Pass
15271.52	H	5 MHz	RB1#0	-35.32	-13	-22.32	Pass
--	--	--	--	--	--	--	--
2346.00	V	5 MHz	RB1#0	-40.38	-13	-27.38	Pass
14244.15	V	5 MHz	RB1#0	-35.68	-13	-22.68	Pass
--	--	--	--	--	--	--	--

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND13		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2346.00	H	10 MHz	RB1#0	-39.45	-13	-26.45	Pass
15032.14	H	10 MHz	RB1#0	-40.46	-13	-27.46	Pass
--	--	--	--	--	--	--	--
2346.00	V	10 MHz	RB1#0	-41.14	-13	-28.14	Pass
15741.35	V	10 MHz	RB1#0	-35.57	-13	-22.57	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND25 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5647.50	H	1.4 MHz	RB1#0	-41.86	-13	-28.86	Pass
14081.53	H	1.4 MHz	RB1#0	-34.30	-13	-21.30	Pass
--	--	--	--	--	--	--	--
5647.50	V	1.4 MHz	RB1#0	-42.28	-13	-29.28	Pass
15392.85	V	1.4 MHz	RB1#0	-35.43	-13	-22.43	Pass
--	--	--	--	--	--	--	--

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5647.50	H	3 MHz	RB1#0	-41.10	-13	-28.10	Pass
15413.73	H	3 MHz	RB1#0	-42.17	-13	-29.17	Pass
--	--	--	--	--	--	--	--
5647.50	V	3 MHz	RB1#0	-43.24	-13	-30.24	Pass
14346.86	V	3 MHz	RB1#0	-34.44	-13	-21.44	Pass
--	--	--	--	--	--	--	--

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5647.50	H	5 MHz	RB1#0	-41.23	-13	-28.23	Pass
15396.86	H	5 MHz	RB1#0	-34.32	-13	-21.32	Pass
--	--	--	--	--	--	--	--
5647.50	V	5 MHz	RB1#0	-42.07	-13	-29.07	Pass
14729.52	V	5 MHz	RB1#0	-35.59	-13	-22.59	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5647.50	H	10 MHz	RB1#0	-41.88	-13	-28.88	Pass
14752.10	H	10 MHz	RB1#0	-35.63	-13	-22.63	Pass
--	--	--	--	--	--	--	--
5647.50	V	10 MHz	RB1#0	-42.28	-13	-29.28	Pass
14046.78	V	10 MHz	RB1#0	-34.44	-13	-21.44	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5647.50	H	15 MHz	RB1#0	-42.49	-13	-29.49	Pass
15357.31	H	15 MHz	RB1#0	-34.71	-13	-21.71	Pass
--	--	--	--	--	--	--	--
5647.50	V	15 MHz	RB1#0	-43.97	-13	-30.97	Pass
15061.89	V	15 MHz	RB1#0	-35.75	-13	-22.75	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND25		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
5647.50	H	20 MHz	RB1#0	-42.58	-13	-29.58	Pass
15757.87	H	20 MHz	RB1#0	-34.16	-13	-21.16	Pass
--	--	--	--	--	--	--	--
5647.50	V	20 MHz	RB1#0	-43.78	-13	-30.78	Pass
14070.23	V	20 MHz	RB1#0	-35.08	-13	-22.08	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preampl

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND26 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND26		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND26		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2494.50	H	1.4 MHz	RB1#0	-40.19	-13	-27.19	Pass
15025.85	H	1.4 MHz	RB1#0	-34.43	-13	-21.43	Pass
--	--	--	--	--	--	--	--
2494.50	V	1.4 MHz	RB1#0	-41.73	-13	-28.73	Pass
14206.27	V	1.4 MHz	RB1#0	-35.49	-13	-22.49	Pass
--	--	--	--	--	--	--	--

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND26		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2494.50	H	3 MHz	RB1#0	-40.24	-13	-27.24	Pass
14766.29	H	3 MHz	RB1#0	-41.41	-13	-28.41	Pass
--	--	--	--	--	--	--	--
2494.50	V	3 MHz	RB1#0	-42.18	-13	-29.18	Pass
15571.23	V	3 MHz	RB1#0	-34.91	-13	-21.91	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND26		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2494.50	H	5 MHz	RB1#0	-40.11	-13	-27.11	Pass
14979.84	H	5 MHz	RB1#0	-35.04	-13	-22.04	Pass
--	--	--	--	--	--	--	--
2494.50	V	5 MHz	RB1#0	-41.53	-13	-28.53	Pass
14692.72	V	5 MHz	RB1#0	-35.11	-13	-22.11	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND26		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2494.50	H	10 MHz	RB1#0	-40.91	-13	-27.91	Pass
15975.60	H	10 MHz	RB1#0	-35.07	-13	-22.07	Pass
--	--	--	--	--	--	--	--
2494.50	V	10 MHz	RB1#0	-41.09	-13	-28.09	Pass
15257.72	V	10 MHz	RB1#0	-34.33	-13	-21.33	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND26		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
2494.50	H	15 MHz	RB1#0	-41.86	-13	-28.86	Pass
14913.51	H	15 MHz	RB1#0	-35.25	-13	-22.25	Pass
--	--	--	--	--	--	--	--
2494.50	V	15 MHz	RB1#0	-42.86	-13	-29.86	Pass
15238.95	V	15 MHz	RB1#0	-34.99	-13	-21.99	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preampl

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND30 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND30		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND30		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
6930.00	H	5 MHz	RB1#0	-40.86	-30	-10.86	Pass
15916.88	H	5 MHz	RB1#0	-35.40	-30	-5.40	Pass
--	--	--	--	--	--	--	--
6930.00	V	5 MHz	RB1#0	-41.04	-30	-11.04	Pass
15841.54	V	5 MHz	RB1#0	-35.52	-30	-5.52	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND30		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
6930.00	H	10 MHz	RB1#0	-40.11	-30	-10.11	Pass
15878.83	H	10 MHz	RB1#0	-35.02	-30	-5.02	Pass
--	--	--	--	--	--	--	--
6930.00	V	10 MHz	RB1#0	-41.05	-30	-11.05	Pass
14740.23	V	10 MHz	RB1#0	-34.87	-30	-4.87	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

For LTE BAND41 link
■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND41		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10th harmonics)

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND41		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
7779.00	H	5 MHz	RB1#0	-40.36	-25	-15.36	Pass
15377.79	H	5 MHz	RB1#0	-34.14	-25	-9.14	Pass
--	--	--	--	--	--	--	--
7779.00	V	5 MHz	RB1#0	-41.50	-25	-16.50	Pass
14519.63	V	5 MHz	RB1#0	-34.36	-25	-9.36	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND41		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
7779.00	H	10 MHz	RB1#0	-40.82	-25	-15.82	Pass
14008.57	H	10 MHz	RB1#0	-34.14	-25	-9.14	Pass
--	--	--	--	--	--	--	--
7779.00	V	10 MHz	RB1#0	-41.17	-25	-16.17	Pass
15387.74	V	10 MHz	RB1#0	-35.21	-25	-10.21	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant_F + Cab_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND41		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
7779.00	H	15 MHz	RB1#0	-41.11	-25	-16.11	Pass
14388.29	H	15 MHz	RB1#0	-34.94	-25	-9.94	Pass
--	--	--	--	--	--	--	--
7779.00	V	15 MHz	RB1#0	-42.85	-25	-17.85	Pass
15595.76	V	15 MHz	RB1#0	-35.96	-25	-10.96	Pass
--	--	--	--	--	--	--	--

Temperature:	24°C	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND41		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
7779.00	H	20 MHz	RB1#0	-41.41	-25	-16.41	Pass
15359.00	H	20 MHz	RB1#0	-35.17	-25	-10.17	Pass
--	--	--	--	--	--	--	--
7779.00	V	20 MHz	RB1#0	-42.68	-25	-17.68	Pass
14656.32	V	20 MHz	RB1#0	-34.32	-25	-9.32	Pass
--	--	--	--	--	--	--	--

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
 (2) Correct Factor= Ant_F + Cab_L - Preamp
 (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

APPENDIX G: TEST DATA FOR FREQUENCY STABILITY

All modes have been tested, and the worst result recorded was report as below

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND4	QPSK/16-QAM	1.4MHz	VN	-20	1710.7	16.03	0.0094	2.5
				-10	1710.7	16.65	0.0097	2.5
				0	1710.7	14.20	0.0083	2.5
				10	1710.7	17.35	0.0101	2.5
				20	1710.7	17.11	0.0100	2.5
				30	1710.7	16.49	0.0096	2.5
				40	1710.7	16.98	0.0099	2.5
				50	1710.7	14.84	0.0087	2.5
			VL	20	1710.7	14.64	0.0086	2.5
			VH	20	1710.7	15.86	0.0093	2.5
			VN	-20	1732.5	15.11	0.0087	2.5
				-10	1732.5	16.35	0.0094	2.5
				0	1732.5	14.53	0.0084	2.5
				10	1732.5	15.04	0.0087	2.5
				20	1732.5	15.47	0.0089	2.5
				30	1732.5	15.30	0.0088	2.5
				40	1732.5	15.47	0.0089	2.5
				50	1732.5	14.63	0.0084	2.5
			VL	20	1732.5	17.86	0.0103	2.5
			VH	20	1732.5	14.92	0.0086	2.5
			VN	-20	1754.3	15.55	0.0089	2.5
				-10	1754.3	16.01	0.0091	2.5
				0	1754.3	14.00	0.0080	2.5
				10	1754.3	16.98	0.0097	2.5
				20	1754.3	16.78	0.0096	2.5
				30	1754.3	15.38	0.0088	2.5
				40	1754.3	15.27	0.0087	2.5
				50	1754.3	15.17	0.0086	2.5
			VL	20	1754.3	15.57	0.0089	2.5
			VH	20	1754.3	13.11	0.0075	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND4	QPSK/16-QAM	3MHz	VN	-20	1711.5	14.32	0.0084	2.5
				-10	1711.5	17.11	0.0100	2.5
				0	1711.5	14.94	0.0087	2.5
				10	1711.5	17.35	0.0101	2.5
				20	1711.5	16.53	0.0097	2.5
				30	1711.5	16.61	0.0097	2.5
				40	1711.5	16.83	0.0098	2.5
				50	1711.5	15.12	0.0088	2.5
			VL	20	1711.5	16.20	0.0095	2.5
			VH	20	1711.5	15.62	0.0091	2.5
			VN	-20	1732.5	15.87	0.0092	2.5
				-10	1732.5	16.40	0.0095	2.5
				0	1732.5	16.79	0.0097	2.5
				10	1732.5	14.63	0.0084	2.5
				20	1732.5	15.08	0.0087	2.5
				30	1732.5	16.39	0.0095	2.5
				40	1732.5	16.14	0.0093	2.5
				50	1732.5	14.43	0.0083	2.5
			VL	20	1732.5	16.81	0.0097	2.5
			VH	20	1732.5	17.81	0.0103	2.5
			VN	-20	1753.5	14.41	0.0082	2.5
				-10	1753.5	14.72	0.0084	2.5
				0	1753.5	14.12	0.0081	2.5
				10	1753.5	16.47	0.0094	2.5
				20	1753.5	16.16	0.0092	2.5
				30	1753.5	16.24	0.0093	2.5
				40	1753.5	16.69	0.0095	2.5
				50	1753.5	14.72	0.0084	2.5
			VL	20	1753.5	14.34	0.0082	2.5
			VH	20	1753.5	13.72	0.0078	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND4	QPSK/16-QAM	5MHz	VN	-20	1712.5	14.27	0.0083	2.5
				-10	1712.5	18.29	0.0107	2.5
				0	1712.5	14.70	0.0086	2.5
				10	1712.5	16.20	0.0095	2.5
				20	1712.5	15.13	0.0088	2.5
				30	1712.5	18.43	0.0108	2.5
				40	1712.5	17.07	0.0100	2.5
				50	1712.5	14.67	0.0086	2.5
			VL	20	1712.5	14.58	0.0085	2.5
			VH	20	1712.5	15.08	0.0088	2.5
			VN	-20	1732.5	15.80	0.0091	2.5
				-10	1732.5	17.38	0.0100	2.5
				0	1732.5	16.62	0.0096	2.5
				10	1732.5	16.23	0.0094	2.5
				20	1732.5	16.05	0.0093	2.5
				30	1732.5	16.39	0.0095	2.5
				40	1732.5	14.87	0.0086	2.5
				50	1732.5	14.70	0.0085	2.5
			VL	20	1732.5	17.71	0.0102	2.5
			VH	20	1732.5	17.79	0.0103	2.5
			VN	-20	1752.5	15.44	0.0088	2.5
				-10	1752.5	14.63	0.0083	2.5
				0	1752.5	14.58	0.0083	2.5
				10	1752.5	16.39	0.0094	2.5
				20	1752.5	15.82	0.0090	2.5
				30	1752.5	15.72	0.0090	2.5
				40	1752.5	16.45	0.0094	2.5
				50	1752.5	16.46	0.0094	2.5
			VL	20	1752.5	14.68	0.0084	2.5
			VH	20	1752.5	13.87	0.0079	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND4	QPSK/16-QAM	10MHz	VN	-20	1715.0	16.34	0.0095	2.5
				-10	1715.0	16.17	0.0094	2.5
				0	1715.0	14.74	0.0086	2.5
				10	1715.0	16.41	0.0096	2.5
				20	1715.0	17.06	0.0099	2.5
				30	1715.0	18.04	0.0105	2.5
				40	1715.0	16.38	0.0096	2.5
				50	1715.0	16.57	0.0097	2.5
			VL	20	1715.0	15.19	0.0089	2.5
			VH	20	1715.0	15.91	0.0093	2.5
			VN	-20	1732.5	16.40	0.0095	2.5
				-10	1732.5	16.84	0.0097	2.5
				0	1732.5	14.08	0.0081	2.5
				10	1732.5	14.21	0.0082	2.5
				20	1732.5	13.56	0.0078	2.5
				30	1732.5	14.70	0.0085	2.5
				40	1732.5	15.53	0.0090	2.5
				50	1732.5	15.88	0.0092	2.5
			VL	20	1732.5	16.66	0.0096	2.5
			VH	20	1732.5	17.75	0.0102	2.5
			VN	-20	1750.0	14.10	0.0081	2.5
				-10	1750.0	16.89	0.0097	2.5
				0	1750.0	15.30	0.0087	2.5
				10	1750.0	14.88	0.0085	2.5
				20	1750.0	15.02	0.0086	2.5
				30	1750.0	16.56	0.0095	2.5
				40	1750.0	16.94	0.0097	2.5
				50	1750.0	15.62	0.0089	2.5
			VL	20	1750.0	16.20	0.0093	2.5
			VH	20	1750.0	14.96	0.0086	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND4	QPSK/16-QAM	15MHz	VN	-20	1717.5	14.72	0.0086	2.5
				-10	1717.5	18.17	0.0106	2.5
				0	1717.5	14.57	0.0085	2.5
				10	1717.5	16.33	0.0095	2.5
				20	1717.5	16.16	0.0094	2.5
				30	1717.5	18.27	0.0106	2.5
				40	1717.5	16.60	0.0097	2.5
				50	1717.5	14.06	0.0082	2.5
			VL	20	1717.5	16.77	0.0098	2.5
			VH	20	1717.5	17.56	0.0102	2.5
			VN	-20	1732.5	15.13	0.0087	2.5
				-10	1732.5	15.69	0.0091	2.5
				0	1732.5	16.48	0.0095	2.5
				10	1732.5	14.35	0.0083	2.5
				20	1732.5	16.36	0.0094	2.5
				30	1732.5	14.90	0.0086	2.5
				40	1732.5	16.11	0.0093	2.5
				50	1732.5	15.63	0.0090	2.5
			VL	20	1732.5	17.59	0.0102	2.5
			VH	20	1732.5	17.63	0.0102	2.5
			VN	-20	1747.5	14.69	0.0084	2.5
				-10	1747.5	15.78	0.0090	2.5
				0	1747.5	15.51	0.0089	2.5
				10	1747.5	15.69	0.0090	2.5
				20	1747.5	16.78	0.0096	2.5
				30	1747.5	16.74	0.0096	2.5
				40	1747.5	15.76	0.0090	2.5
				50	1747.5	15.73	0.0090	2.5
			VL	20	1747.5	15.25	0.0087	2.5
			VH	20	1747.5	14.96	0.0086	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND4	QPSK/16-QAM	20MHz	VN	-20	1720.0	13.51	0.0079	2.5
				-10	1720.0	17.15	0.0100	2.5
				0	1720.0	15.43	0.0090	2.5
				10	1720.0	17.30	0.0101	2.5
				20	1720.0	16.88	0.0098	2.5
				30	1720.0	18.01	0.0105	2.5
				40	1720.0	14.82	0.0086	2.5
				50	1720.0	14.68	0.0085	2.5
			VL	20	1720.0	16.79	0.0098	2.5
			VH	20	1720.0	14.97	0.0087	2.5
			VN	-20	1732.5	16.99	0.0098	2.5
				-10	1732.5	15.18	0.0088	2.5
				0	1732.5	15.52	0.0090	2.5
				10	1732.5	16.26	0.0094	2.5
				20	1732.5	14.82	0.0086	2.5
				30	1732.5	16.59	0.0096	2.5
				40	1732.5	16.73	0.0097	2.5
				50	1732.5	14.17	0.0082	2.5
			VL	20	1732.5	17.94	0.0104	2.5
			VH	20	1732.5	15.66	0.0090	2.5
			VN	-20	1745.0	13.23	0.0076	2.5
				-10	1745.0	16.59	0.0095	2.5
				0	1745.0	15.14	0.0087	2.5
				10	1745.0	16.23	0.0093	2.5
				20	1745.0	15.84	0.0091	2.5
				30	1745.0	15.60	0.0089	2.5
				40	1745.0	14.84	0.0085	2.5
				50	1745.0	14.98	0.0086	2.5
			VL	20	1745.0	16.57	0.0095	2.5
			VH	20	1745.0	15.24	0.0087	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND7	QPSK/16-QAM	5MHz	VN	-20	2502.5	16.18	0.0065	2.5
				-10	2502.5	15.96	0.0064	2.5
				0	2502.5	16.25	0.0065	2.5
				10	2502.5	16.03	0.0064	2.5
				20	2502.5	16.69	0.0067	2.5
				30	2502.5	15.55	0.0062	2.5
				40	2502.5	17.59	0.0070	2.5
				50	2502.5	15.99	0.0064	2.5
			VL	20	2502.5	15.78	0.0063	2.5
			VH	20	2502.5	16.57	0.0066	2.5
			VN	-20	2535	15.12	0.0060	2.5
				-10	2535	16.02	0.0063	2.5
				0	2535	15.30	0.0060	2.5
				10	2535	14.32	0.0056	2.5
				20	2535	14.12	0.0056	2.5
				30	2535	14.68	0.0058	2.5
				40	2535	16.74	0.0066	2.5
				50	2535	14.26	0.0056	2.5
			VL	20	2535	15.97	0.0063	2.5
			VH	20	2535	15.19	0.0060	2.5
			VN	-20	2567.5	14.63	0.0057	2.5
				-10	2567.5	15.70	0.0061	2.5
				0	2567.5	14.90	0.0058	2.5
				10	2567.5	16.91	0.0066	2.5
				20	2567.5	14.62	0.0057	2.5
				30	2567.5	16.17	0.0063	2.5
				40	2567.5	16.04	0.0062	2.5
				50	2567.5	15.05	0.0059	2.5
			VL	20	2567.5	15.18	0.0059	2.5
			VH	20	2567.5	13.34	0.0052	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND7	QPSK/16-QAM	10MHz	VN	-20	2505	13.86	0.0055	2.5
				-10	2505	16.18	0.0065	2.5
				0	2505	14.15	0.0057	2.5
				10	2505	15.35	0.0061	2.5
				20	2505	15.97	0.0064	2.5
				30	2505	18.31	0.0073	2.5
				40	2505	17.53	0.0070	2.5
				50	2505	14.68	0.0059	2.5
			VL	20	2505	17.23	0.0069	2.5
			VH	20	2505	17.76	0.0071	2.5
			VN	-20	2535	16.47	0.0065	2.5
				-10	2535	16.16	0.0064	2.5
				0	2535	15.27	0.0060	2.5
				10	2535	14.56	0.0057	2.5
				20	2535	14.54	0.0057	2.5
				30	2535	15.20	0.0060	2.5
				40	2535	15.65	0.0062	2.5
				50	2535	16.86	0.0066	2.5
			VL	20	2535	17.54	0.0069	2.5
			VH	20	2535	15.49	0.0061	2.5
			VN	-20	2565	14.61	0.0057	2.5
				-10	2565	17.30	0.0067	2.5
				0	2565	15.72	0.0061	2.5
				10	2565	17.35	0.0068	2.5
				20	2565	14.98	0.0058	2.5
				30	2565	15.98	0.0062	2.5
				40	2565	14.35	0.0056	2.5
				50	2565	16.59	0.0065	2.5
			VL	20	2565	16.56	0.0065	2.5
			VH	20	2565	14.21	0.0055	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND7	QPSK/16-QAM	15MHz	VN	-20	2507.5	15.00	0.0060	2.5
				-10	2507.5	16.79	0.0067	2.5
				0	2507.5	16.68	0.0067	2.5
				10	2507.5	17.26	0.0069	2.5
				20	2507.5	17.60	0.0070	2.5
				30	2507.5	18.08	0.0072	2.5
				40	2507.5	17.43	0.0070	2.5
				50	2507.5	14.61	0.0058	2.5
			VL	20	2507.5	14.43	0.0058	2.5
			VH	20	2507.5	15.05	0.0060	2.5
			VN	-20	2535	16.39	0.0065	2.5
				-10	2535	16.58	0.0065	2.5
				0	2535	14.37	0.0057	2.5
				10	2535	13.70	0.0054	2.5
				20	2535	14.96	0.0059	2.5
				30	2535	16.47	0.0065	2.5
				40	2535	14.54	0.0057	2.5
				50	2535	16.31	0.0064	2.5
			VL	20	2535	16.22	0.0064	2.5
			VH	20	2535	16.29	0.0064	2.5
			VN	-20	2562.5	13.45	0.0052	2.5
				-10	2562.5	14.77	0.0058	2.5
				0	2562.5	13.84	0.0054	2.5
				10	2562.5	14.52	0.0057	2.5
				20	2562.5	15.62	0.0061	2.5
				30	2562.5	14.88	0.0058	2.5
				40	2562.5	17.15	0.0067	2.5
				50	2562.5	15.52	0.0061	2.5
			VL	20	2562.5	16.95	0.0066	2.5
			VH	20	2562.5	14.71	0.0057	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND7	QPSK/16-QAM	20MHz	VN	-20	2510	16.00	0.0064	2.5
				-10	2510	16.80	0.0067	2.5
				0	2510	16.08	0.0064	2.5
				10	2510	17.12	0.0068	2.5
				20	2510	15.69	0.0062	2.5
				30	2510	17.53	0.0070	2.5
				40	2510	17.38	0.0069	2.5
				50	2510	14.00	0.0056	2.5
			VL	20	2510	16.14	0.0064	2.5
			VH	20	2510	15.71	0.0063	2.5
			VN	-20	2535	15.45	0.0061	2.5
				-10	2535	15.28	0.0060	2.5
				0	2535	14.80	0.0058	2.5
				10	2535	14.04	0.0055	2.5
				20	2535	15.59	0.0061	2.5
				30	2535	15.02	0.0059	2.5
				40	2535	15.08	0.0059	2.5
				50	2535	14.66	0.0058	2.5
			VL	20	2535	17.51	0.0069	2.5
			VH	20	2535	17.26	0.0068	2.5
			VN	-20	2560	13.43	0.0052	2.5
				-10	2560	16.09	0.0063	2.5
				0	2560	16.05	0.0063	2.5
				10	2560	15.51	0.0061	2.5
				20	2560	14.96	0.0058	2.5
				30	2560	15.70	0.0061	2.5
				40	2560	14.48	0.0057	2.5
				50	2560	16.49	0.0064	2.5
			VL	20	2560	15.93	0.0062	2.5
			VH	20	2560	13.43	0.0052	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND12	QPSK/16-QAM	1.4MHz	VN	-20	699.7	15.10	0.0216	2.5
				-10	699.7	18.58	0.0266	2.5
				0	699.7	14.11	0.0202	2.5
				10	699.7	16.79	0.0240	2.5
				20	699.7	16.45	0.0235	2.5
				30	699.7	17.62	0.0252	2.5
				40	699.7	17.20	0.0246	2.5
				50	699.7	15.57	0.0223	2.5
			VL	20	699.7	15.34	0.0219	2.5
			VH	20	699.7	17.75	0.0254	2.5
			VN	-20	707.5	14.83	0.0210	2.5
				-10	707.5	15.28	0.0216	2.5
				0	707.5	15.26	0.0216	2.5
				10	707.5	14.97	0.0212	2.5
				20	707.5	15.42	0.0218	2.5
				30	707.5	15.84	0.0224	2.5
				40	707.5	17.01	0.0240	2.5
				50	707.5	14.59	0.0206	2.5
			VL	20	707.5	17.83	0.0252	2.5
			VH	20	707.5	16.65	0.0235	2.5
			VN	-20	715.3	14.21	0.0199	2.5
				-10	715.3	14.74	0.0206	2.5
				0	715.3	15.63	0.0219	2.5
				10	715.3	17.25	0.0241	2.5
				20	715.3	16.43	0.0230	2.5
				30	715.3	17.22	0.0241	2.5
				40	715.3	14.76	0.0206	2.5
				50	715.3	15.65	0.0219	2.5
			VL	20	715.3	14.75	0.0206	2.5
			VH	20	715.3	15.01	0.0210	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND12	QPSK/16-QAM	3MHz	VN	-20	700.5	13.83	0.0197	2.5
				-10	700.5	17.19	0.0245	2.5
				0	700.5	14.11	0.0201	2.5
				10	700.5	15.78	0.0225	2.5
				20	700.5	15.91	0.0227	2.5
				30	700.5	17.07	0.0244	2.5
				40	700.5	15.00	0.0214	2.5
				50	700.5	14.27	0.0204	2.5
			VL	20	700.5	14.52	0.0207	2.5
			VH	20	700.5	16.21	0.0231	2.5
			VN	-20	707.5	15.08	0.0213	2.5
				-10	707.5	15.94	0.0225	2.5
				0	707.5	15.14	0.0214	2.5
				10	707.5	15.00	0.0212	2.5
				20	707.5	13.73	0.0194	2.5
				30	707.5	16.28	0.0230	2.5
				40	707.5	15.98	0.0226	2.5
				50	707.5	15.38	0.0217	2.5
			VL	20	707.5	17.49	0.0247	2.5
			VH	20	707.5	17.60	0.0249	2.5
			VN	-20	714.5	13.76	0.0193	2.5
				-10	714.5	15.04	0.0211	2.5
				0	714.5	14.08	0.0197	2.5
				10	714.5	15.13	0.0212	2.5
				20	714.5	15.09	0.0211	2.5
				30	714.5	16.16	0.0226	2.5
				40	714.5	14.78	0.0207	2.5
				50	714.5	14.55	0.0204	2.5
			VL	20	714.5	16.27	0.0228	2.5
			VH	20	714.5	15.59	0.0218	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND12	QPSK/16-QAM	5MHz	VN	-20	701.5	13.94	0.0199	2.5
				-10	701.5	17.41	0.0248	2.5
				0	701.5	15.50	0.0221	2.5
				10	701.5	14.68	0.0209	2.5
				20	701.5	17.51	0.0250	2.5
				30	701.5	17.54	0.0250	2.5
				40	701.5	17.11	0.0244	2.5
				50	701.5	14.76	0.0210	2.5
			VL	20	701.5	16.63	0.0237	2.5
			VH	20	701.5	16.83	0.0240	2.5
			VN	-20	707.5	17.43	0.0246	2.5
				-10	707.5	16.16	0.0228	2.5
				0	707.5	15.65	0.0221	2.5
				10	707.5	13.59	0.0192	2.5
				20	707.5	13.94	0.0197	2.5
				30	707.5	15.10	0.0213	2.5
				40	707.5	16.78	0.0237	2.5
				50	707.5	16.17	0.0229	2.5
			VL	20	707.5	16.86	0.0238	2.5
			VH	20	707.5	15.71	0.0222	2.5
			VN	-20	713.5	13.02	0.0183	2.5
				-10	713.5	15.26	0.0214	2.5
				0	713.5	14.14	0.0198	2.5
				10	713.5	15.18	0.0213	2.5
				20	713.5	15.72	0.0220	2.5
				30	713.5	16.38	0.0230	2.5
				40	713.5	16.34	0.0229	2.5
				50	713.5	16.58	0.0232	2.5
			VL	20	713.5	15.98	0.0224	2.5
			VH	20	713.5	15.23	0.0213	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND12	QPSK/16-QAM	10MHz	VN	-20	704	16.03	0.0228	2.5
				-10	704	17.51	0.0249	2.5
				0	704	14.53	0.0206	2.5
				10	704	16.51	0.0234	2.5
				20	704	15.89	0.0226	2.5
				30	704	17.00	0.0241	2.5
				40	704	15.46	0.0220	2.5
				50	704	15.61	0.0222	2.5
			VL	20	704	15.00	0.0213	2.5
			VH	20	704	15.22	0.0216	2.5
			VN	-20	707.5	16.43	0.0232	2.5
				-10	707.5	16.50	0.0233	2.5
				0	707.5	17.05	0.0241	2.5
				10	707.5	13.54	0.0191	2.5
				20	707.5	14.87	0.0210	2.5
				30	707.5	16.46	0.0233	2.5
				40	707.5	16.30	0.0230	2.5
				50	707.5	16.69	0.0236	2.5
			VL	20	707.5	17.83	0.0252	2.5
			VH	20	707.5	15.47	0.0219	2.5
			VN	-20	711	14.73	0.0207	2.5
				-10	711	16.71	0.0235	2.5
				0	711	16.48	0.0232	2.5
				10	711	17.39	0.0245	2.5
				20	711	14.54	0.0204	2.5
				30	711	16.86	0.0237	2.5
				40	711	16.17	0.0227	2.5
				50	711	15.34	0.0216	2.5
			VL	20	711	15.18	0.0213	2.5
			VH	20	711	13.19	0.0185	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND13	QPSK/16-QAM	5MHz	VN	-20	779.5	14.42	0.0185	2.5
				-10	779.5	17.77	0.0228	2.5
				0	779.5	14.86	0.0191	2.5
				10	779.5	15.70	0.0201	2.5
				20	779.5	16.03	0.0206	2.5
				30	779.5	17.81	0.0228	2.5
				40	779.5	16.80	0.0216	2.5
				50	779.5	15.39	0.0197	2.5
			VL	20	779.5	16.41	0.0210	2.5
			VH	20	779.5	17.04	0.0219	2.5
			VN	-20	782.0	16.38	0.0209	2.5
				-10	782.0	17.50	0.0224	2.5
				0	782.0	16.72	0.0214	2.5
				10	782.0	16.32	0.0209	2.5
				20	782.0	13.73	0.0176	2.5
				30	782.0	15.76	0.0202	2.5
				40	782.0	16.27	0.0208	2.5
				50	782.0	17.10	0.0219	2.5
			VL	20	782.0	15.99	0.0205	2.5
			VH	20	782.0	14.93	0.0191	2.5
			VN	-20	784.5	13.20	0.0168	2.5
				-10	784.5	15.27	0.0195	2.5
				0	784.5	14.01	0.0179	2.5
				10	784.5	17.06	0.0218	2.5
				20	784.5	14.73	0.0188	2.5
				30	784.5	15.05	0.0192	2.5
				40	784.5	16.19	0.0206	2.5
				50	784.5	15.44	0.0197	2.5
			VL	20	784.5	15.01	0.0191	2.5
			VH	20	784.5	15.67	0.0200	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND13	QPSK/16-QAM	10MHz	VN	-20	782.0	13.69	0.0175	2.5
				-10	782.0	17.91	0.0229	2.5
				0	782.0	16.69	0.0213	2.5
				10	782.0	16.51	0.0211	2.5
				20	782.0	14.75	0.0189	2.5
				30	782.0	18.05	0.0231	2.5
				40	782.0	16.69	0.0213	2.5
				50	782.0	16.10	0.0206	2.5
			VL	20	782.0	15.28	0.0195	2.5
			VH	20	782.0	15.25	0.0195	2.5
VERDICT					PASS			

Operation Mode	Modulation	Band Width	Test Condition		Channel Frequency (MHz)	Freq.Dev. (Hz)	Deviation (ppm)	Limit (ppm)
			Volt. (V)	Temp. (°C)				
LTE BAND25	QPSK/16-QAM	1.4MHz	VN	-20	1850.7	14.41	0.0078	2.5
				-10	1850.7	17.91	0.0097	2.5
				0	1850.7	15.99	0.0086	2.5
				10	1850.7	16.59	0.0090	2.5
				20	1850.7	16.78	0.0091	2.5
				30	1850.7	17.31	0.0094	2.5
				40	1850.7	16.55	0.0089	2.5
				50	1850.7	16.55	0.0089	2.5
			VL	20	1850.7	16.10	0.0087	2.5
			VH	20	1850.7	17.00	0.0092	2.5
			VN	-20	1882.5	16.53	0.0088	2.5
				-10	1882.5	15.71	0.0083	2.5
				0	1882.5	14.77	0.0078	2.5
				10	1882.5	14.26	0.0076	2.5
				20	1882.5	15.57	0.0083	2.5
				30	1882.5	16.69	0.0089	2.5
				40	1882.5	16.21	0.0086	2.5
				50	1882.5	16.19	0.0086	2.5
			VL	20	1882.5	17.58	0.0093	2.5
			VH	20	1882.5	16.67	0.0089	2.5
			VN	-20	1914.3	13.54	0.0071	2.5
				-10	1914.3	15.29	0.0080	2.5
				0	1914.3	16.15	0.0084	2.5
				10	1914.3	16.16	0.0084	2.5
				20	1914.3	14.66	0.0077	2.5
				30	1914.3	15.10	0.0079	2.5
				40	1914.3	16.71	0.0087	2.5
				50	1914.3	15.11	0.0079	2.5
			VL	20	1914.3	16.24	0.0085	2.5
			VH	20	1914.3	13.09	0.0068	2.5
VERDICT					PASS			