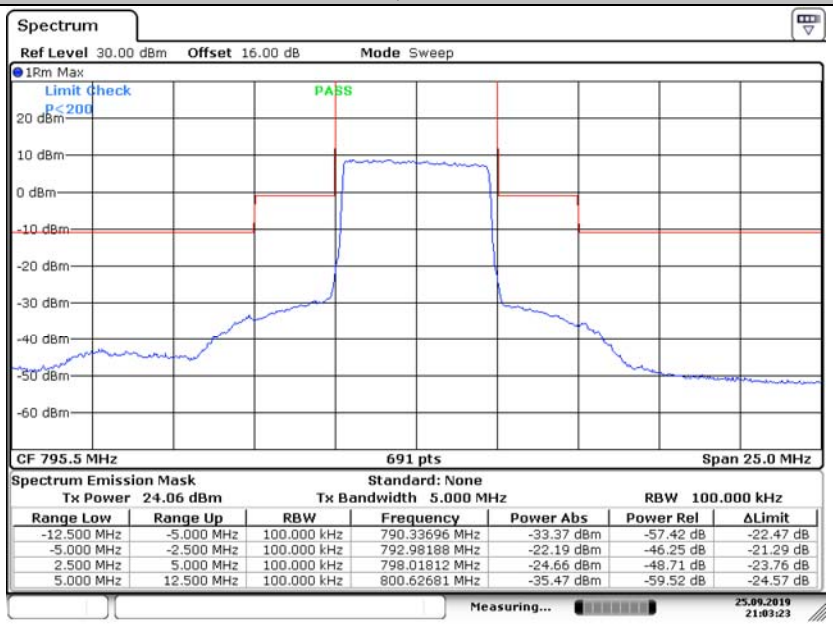
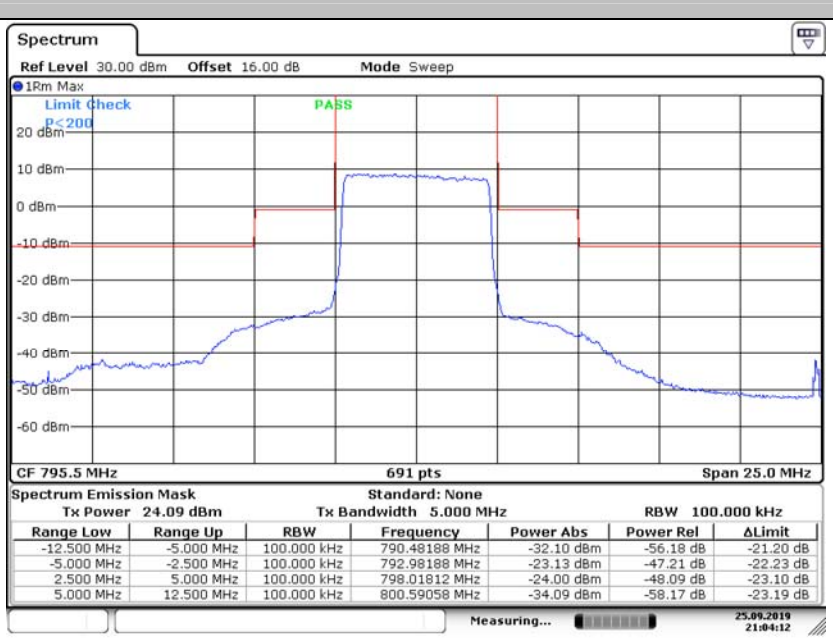
LTE Band 14: Emission Mask
Test BW: 5MHz – High Channel – RB25#0
QPSK



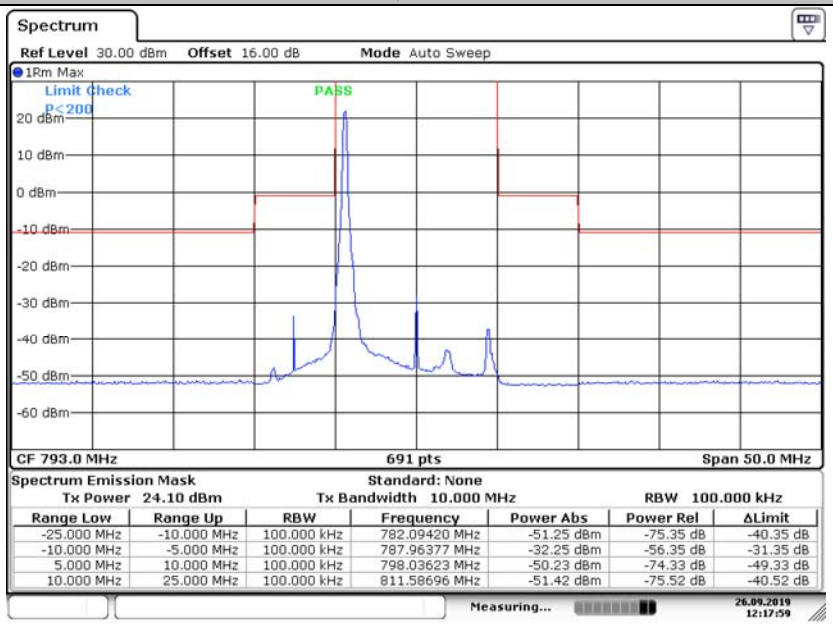
Date: 25.SEP.2019 21:03:24

16QAM



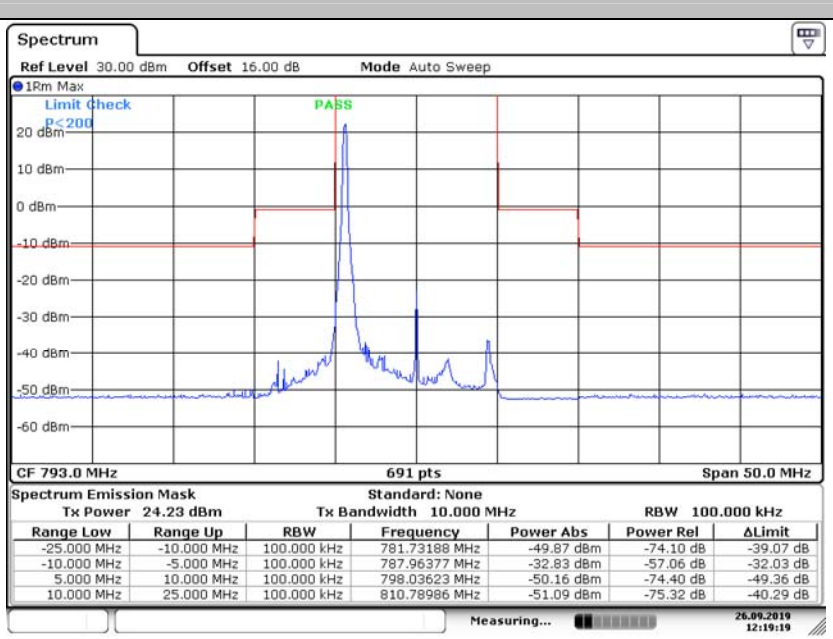
Date: 25.SEP.2019 21:04:12

LTE Band 14: Emission Mask
Test BW: 10 MHz – Low Channel – RB1#0
QPSK



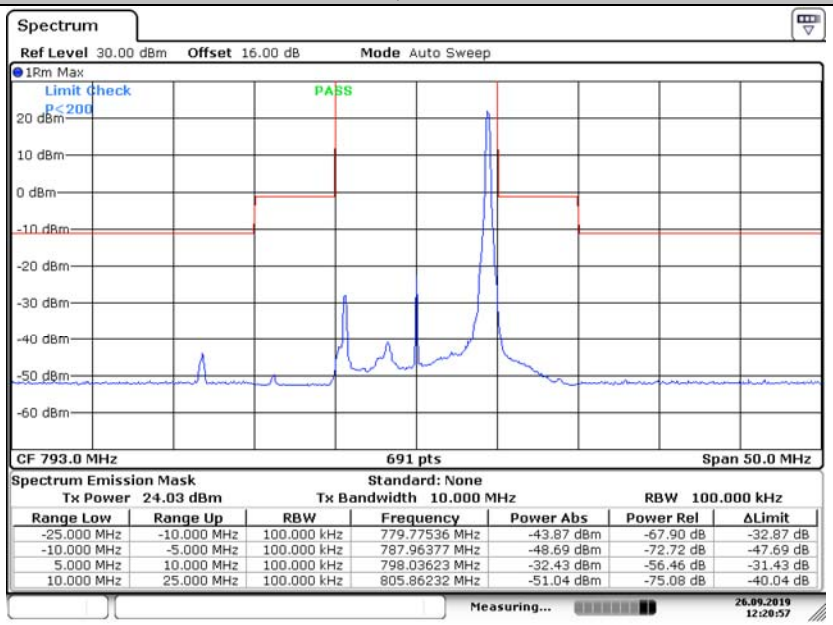
Date: 26.SEP.2019 12:17:59

16QAM



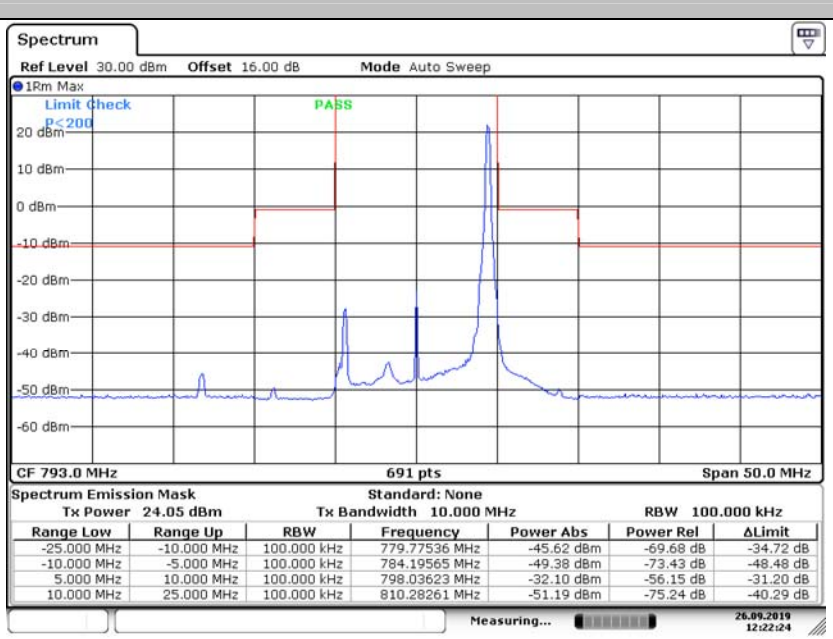
Date: 26.SEP.2019 12:19:20

LTE Band 14: Emission Mask
Test BW: 10 MHz – High Channel – RB1#0
QPSK



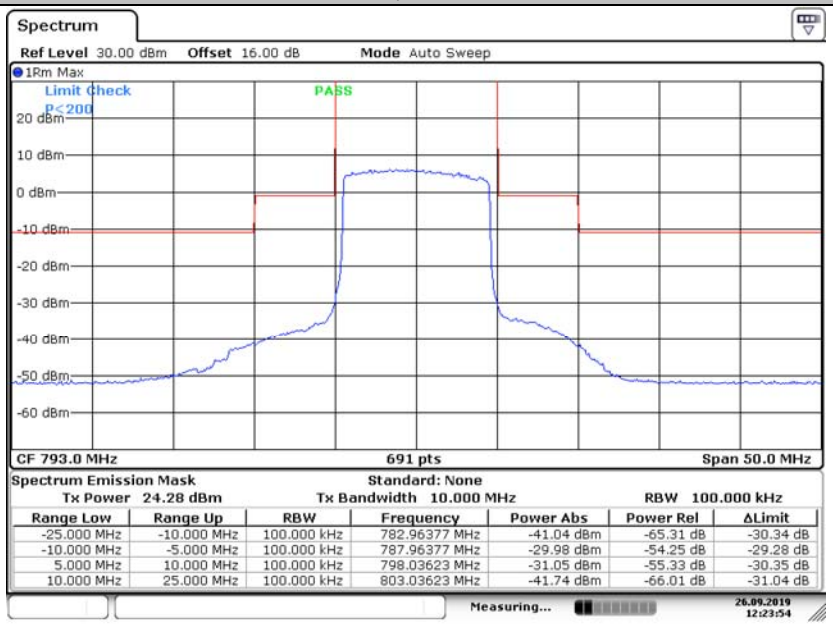
Date: 26.SEP.2019 12:20:57

16QAM



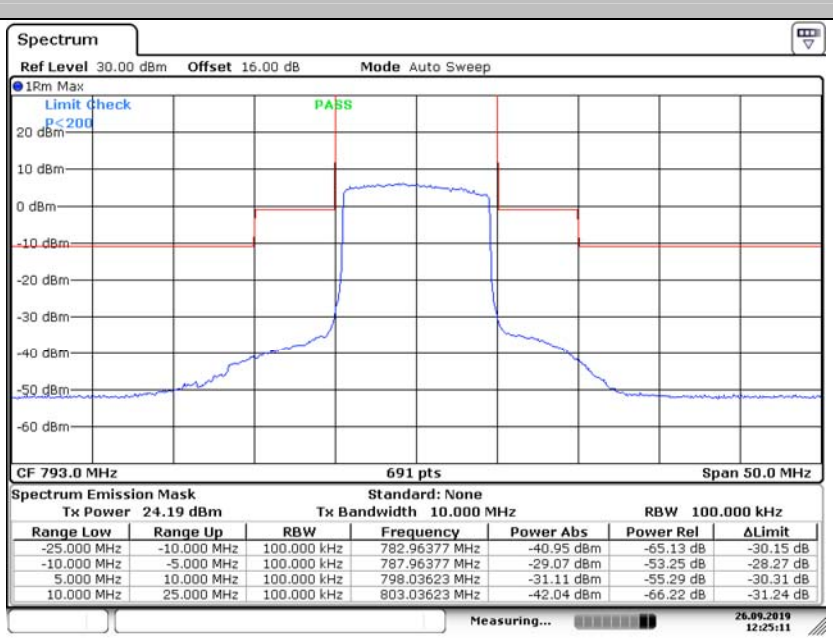
Date: 26.SEP.2019 12:22:24

LTE Band 14: Emission Mask
Test BW: 10 MHz – RB50#0
QPSK



Date: 26.SEP.2019 12:23:54

16QAM

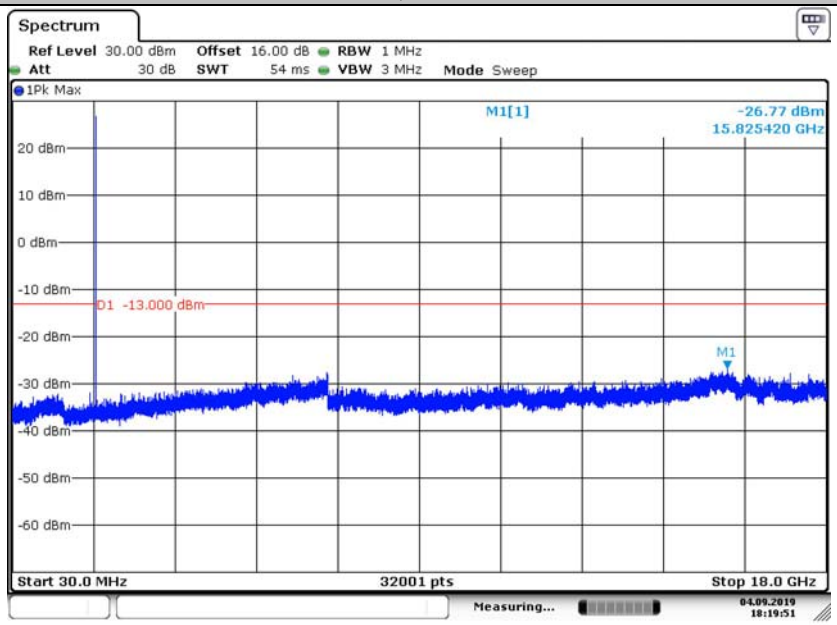


Date: 26.SEP.2019 12:25:11

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

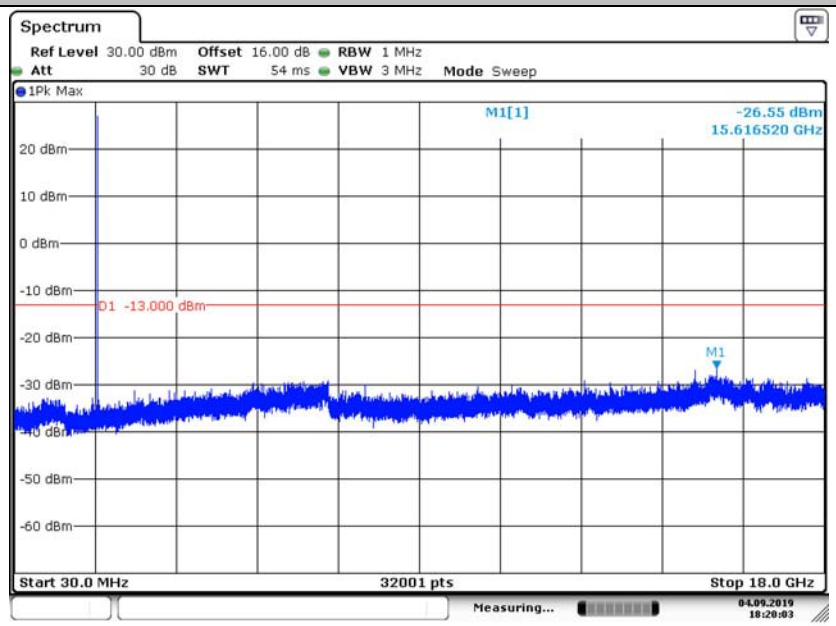
Test plots as follow:

LTE Band 2: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 1.4MHz – Middle Channel - RB1#0
QPSK



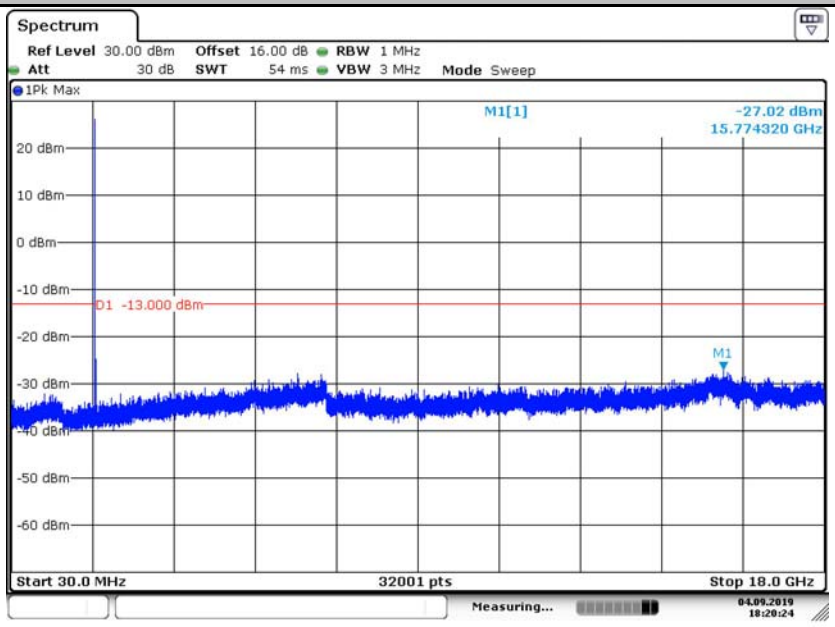
Date: 4.SEP.2019 18:19:51

16QAM



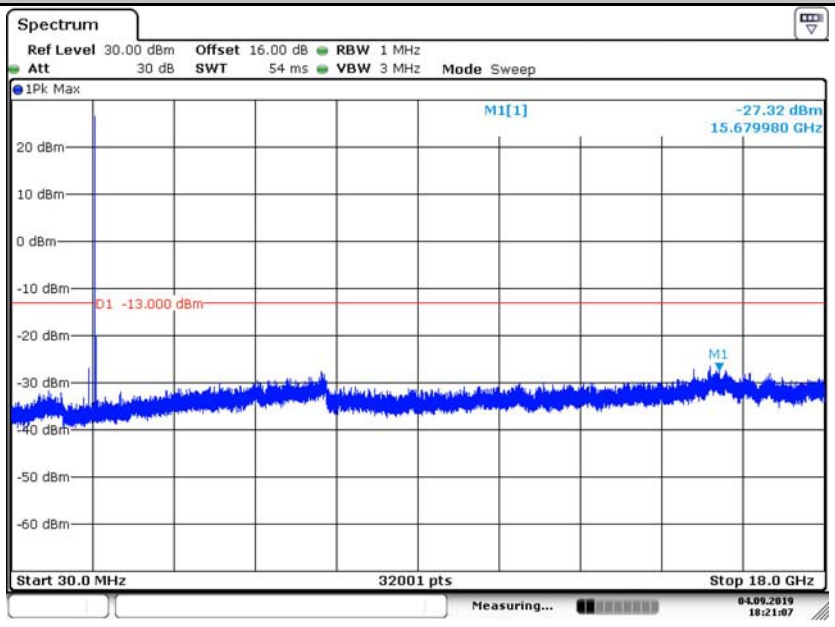
Date: 4.SEP.2019 18:20:04

LTE Band 2: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 3MHz - Middle Channel - RB1#0
QPSK



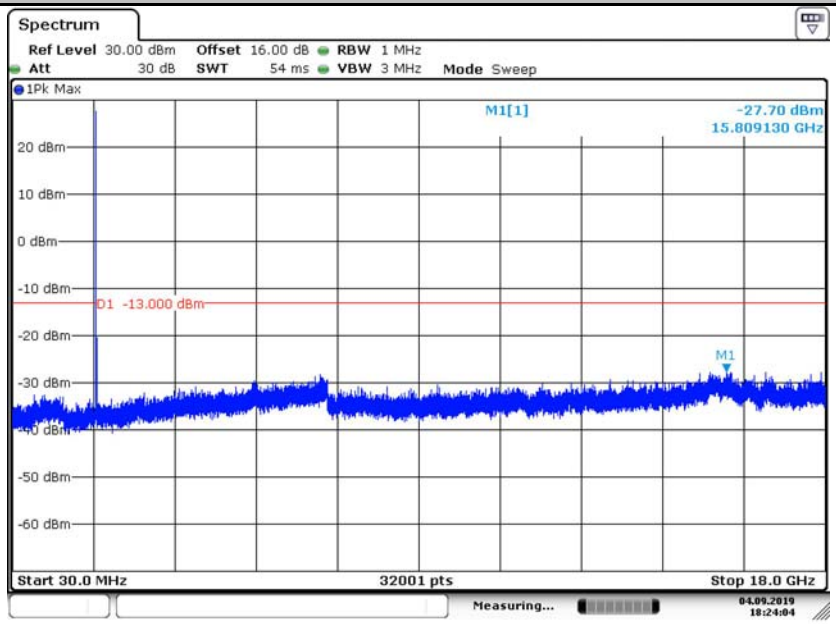
Date: 4.SEP.2019 18:20:25

16QAM



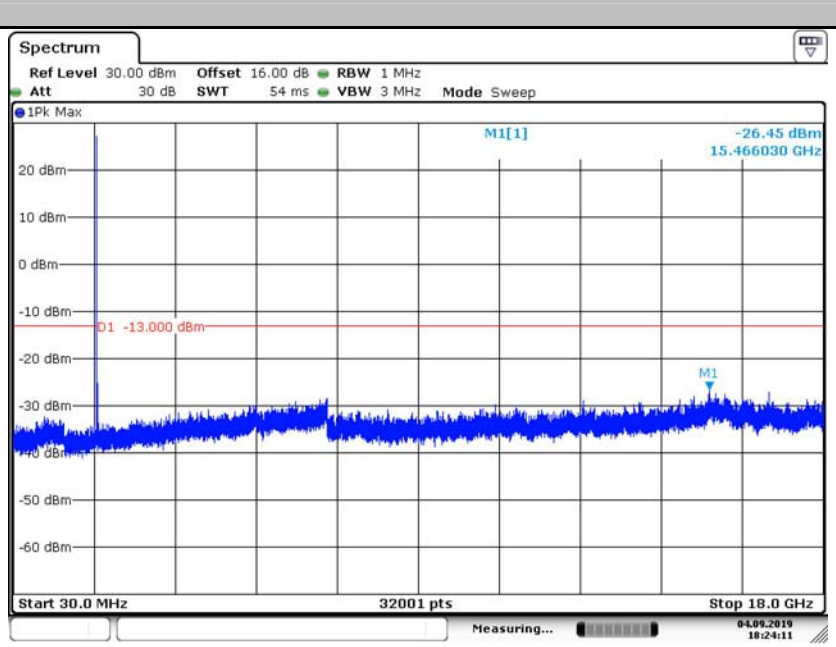
Date: 4.SEP.2019 18:21:07

LTE Band 2: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



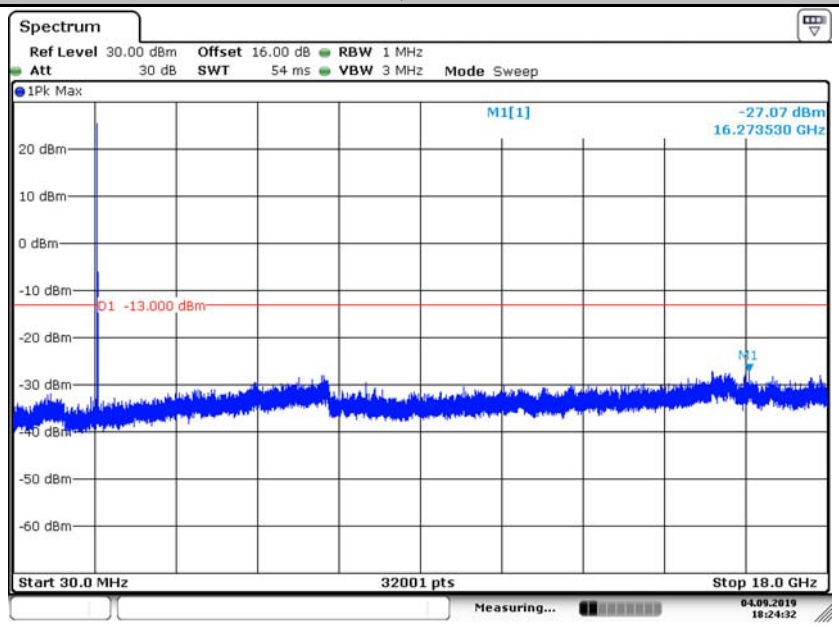
Date: 4.SEP.2019 18:24:04

16QAM



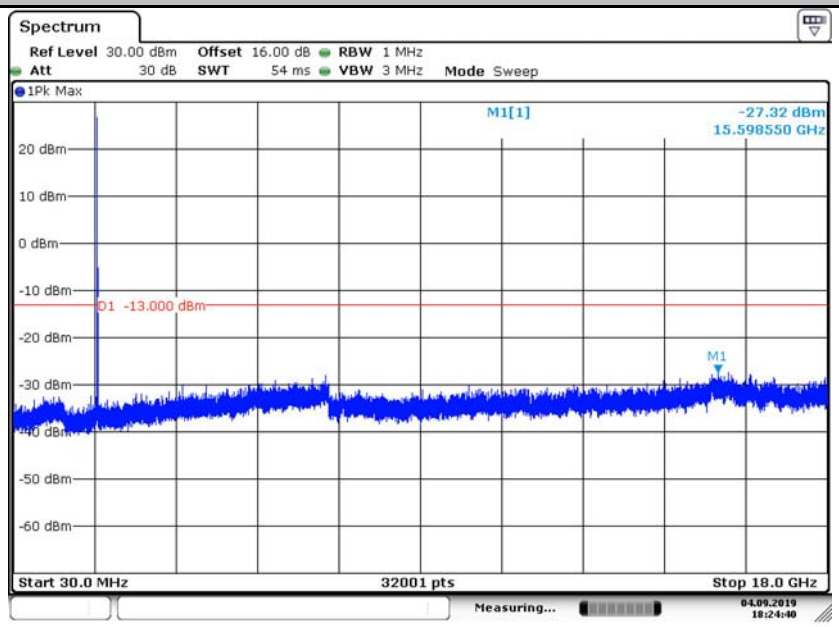
Date: 4.SEP.2019 18:24:12

LTE Band 2: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



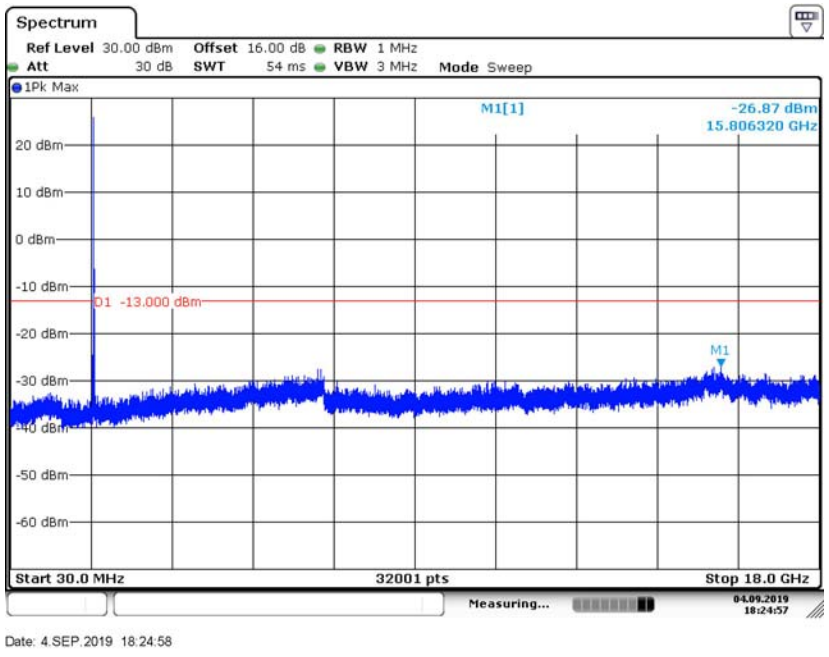
Date: 4.SEP.2019 18:24:31

16QAM



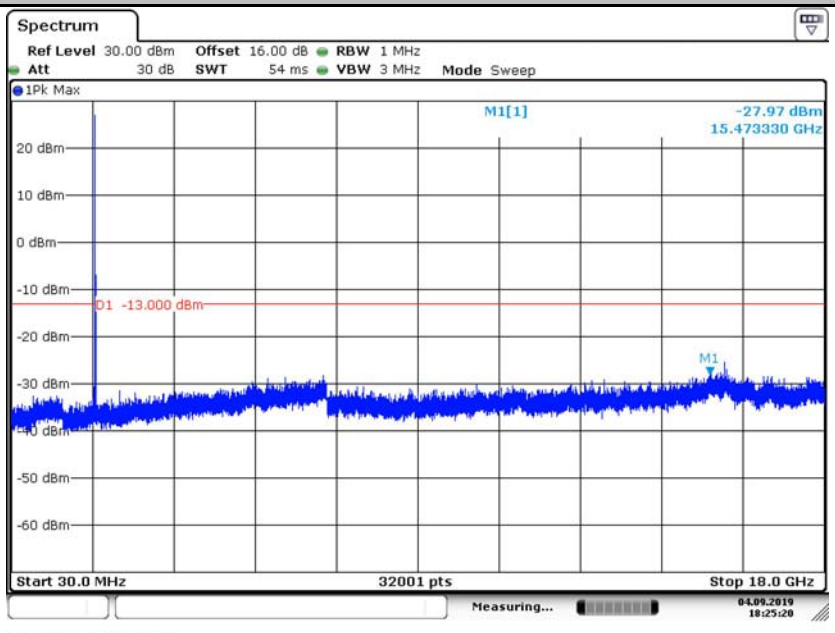
Date: 4.SEP.2019 18:24:40

LTE Band 2: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 15MHz - Middle Channel - RB1#0
QPSK



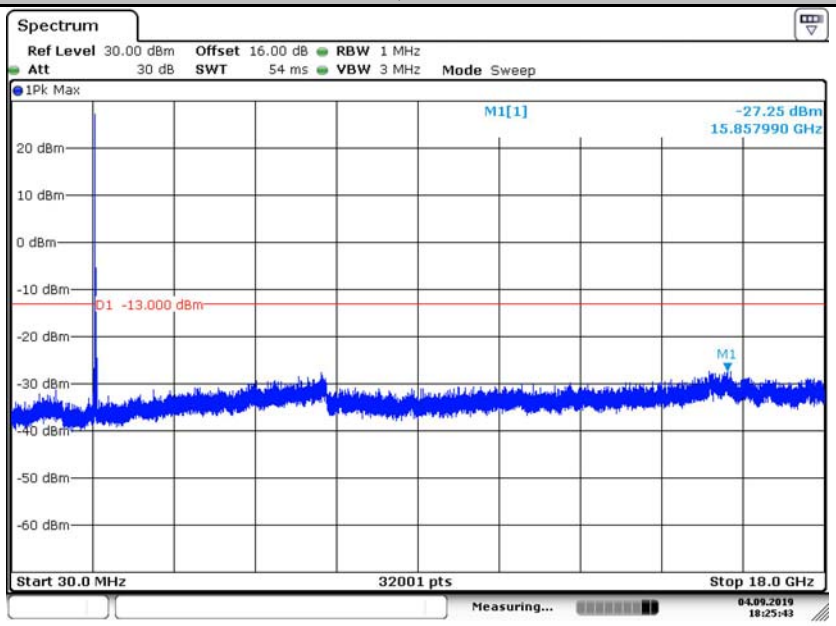
Date: 4.SEP.2019 18:24:58

16QAM



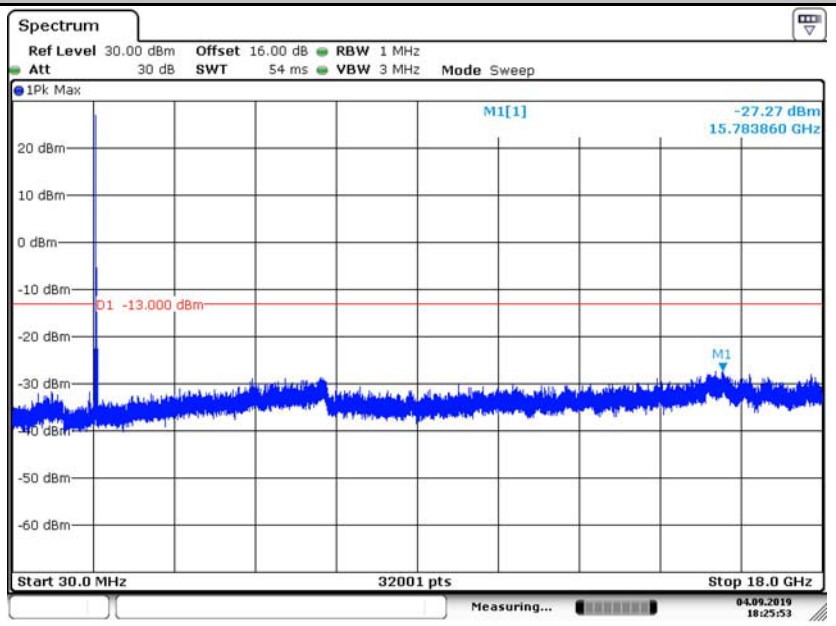
Date: 4.SEP.2019 18:25:20

LTE Band 2: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 20MHz - Middle Channel - RB1#0
QPSK



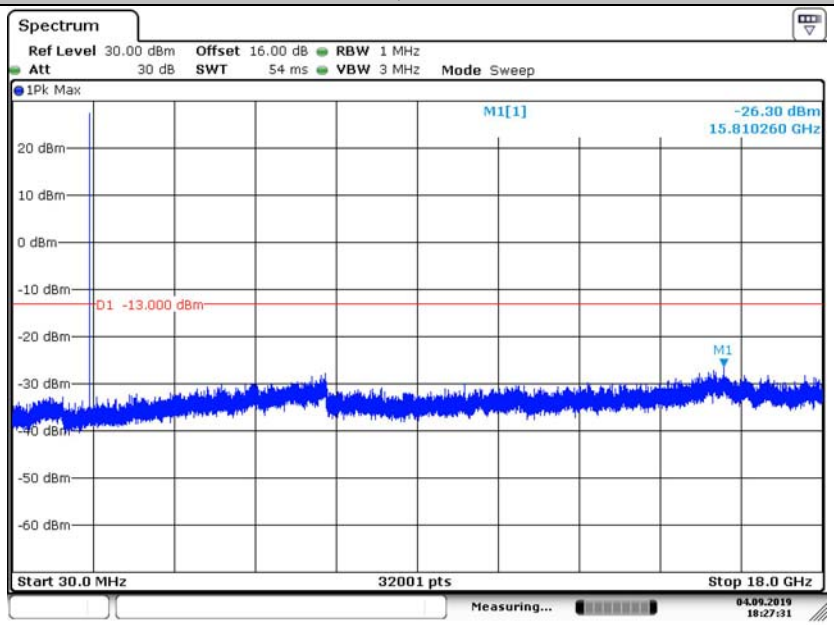
Date: 4.SEP.2019 18:25:43

16QAM



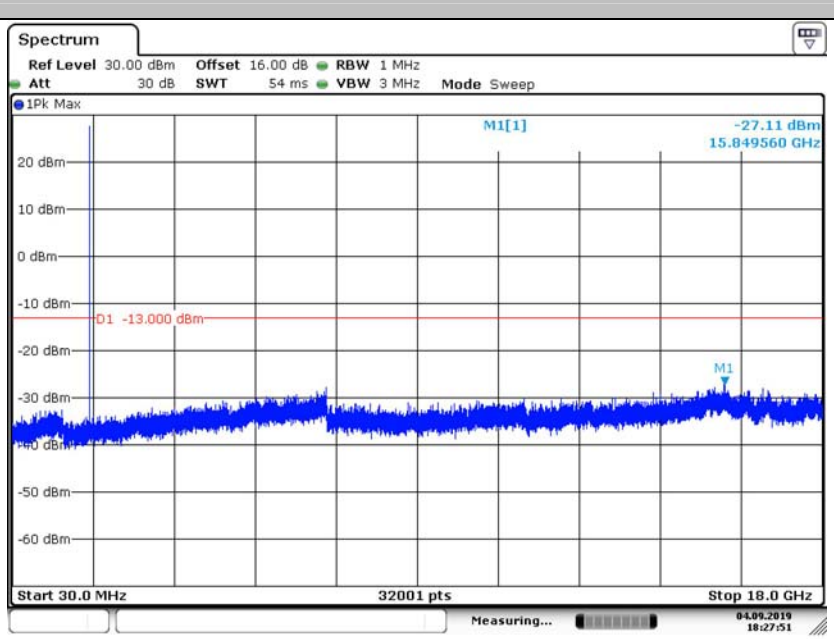
Date: 4.SEP.2019 18:25:52

LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 1.4MHz – Middle Channel - RB1#0
QPSK



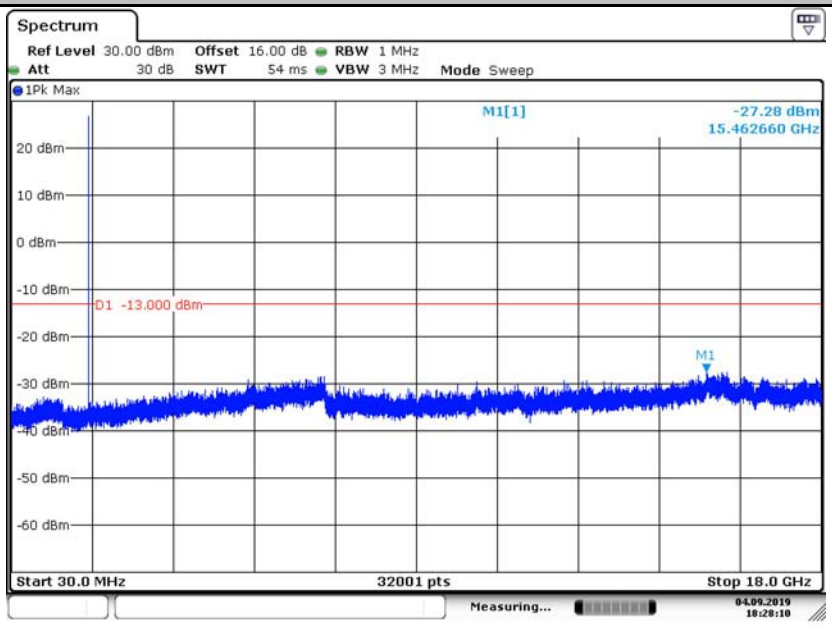
Date: 4.SEP.2019 18:27:31

16QAM



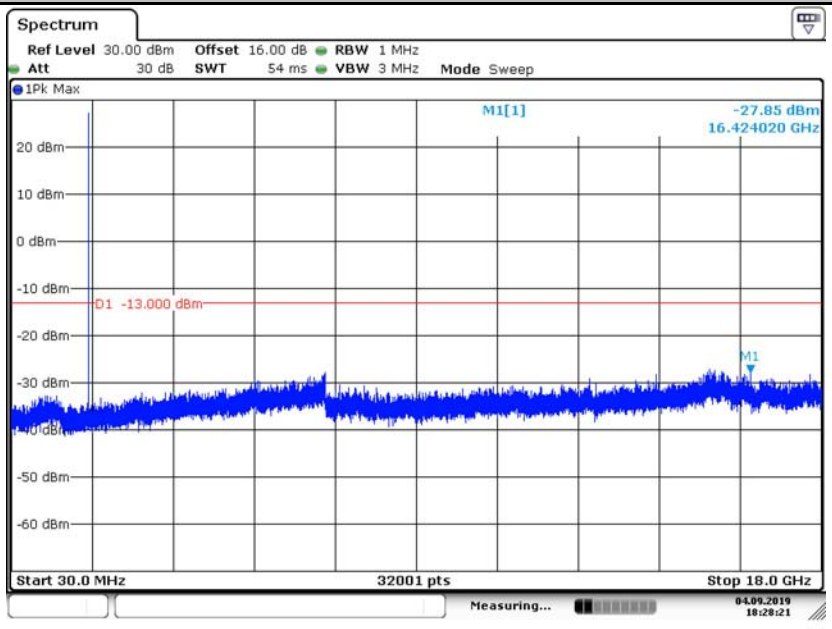
Date: 4.SEP.2019 18:27:51

LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 3MHz - Middle Channel - RB1#0
QPSK



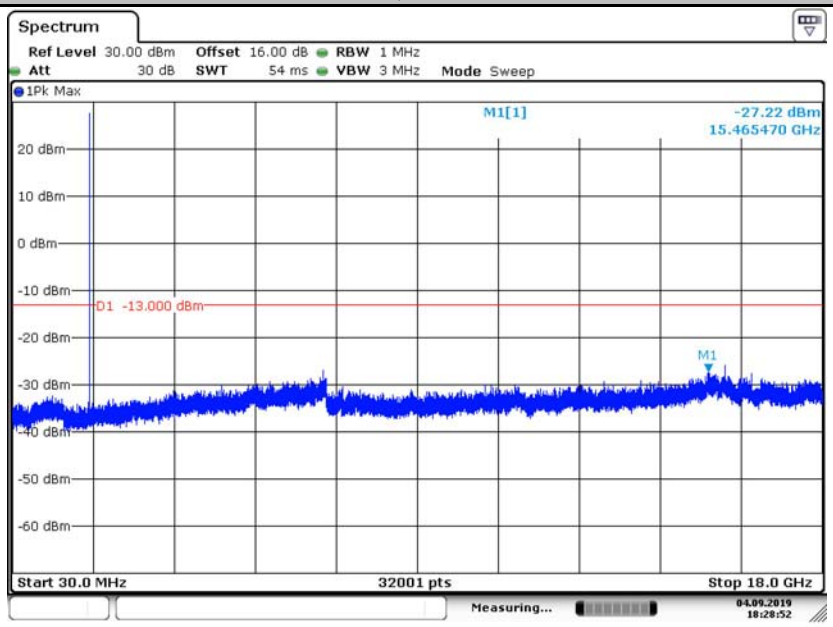
Date: 4.SEP.2019 18:28:10

16QAM



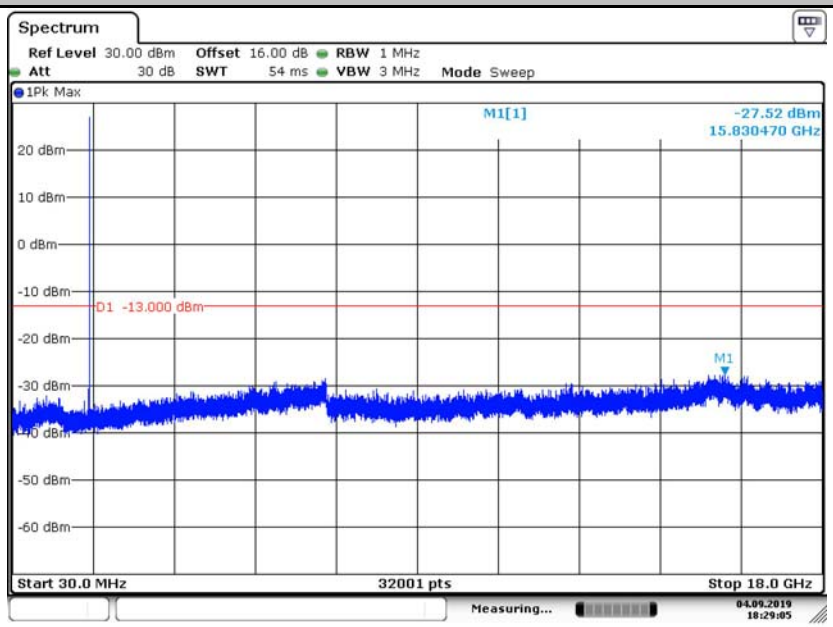
Date: 4.SEP.2019 18:28:21

LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



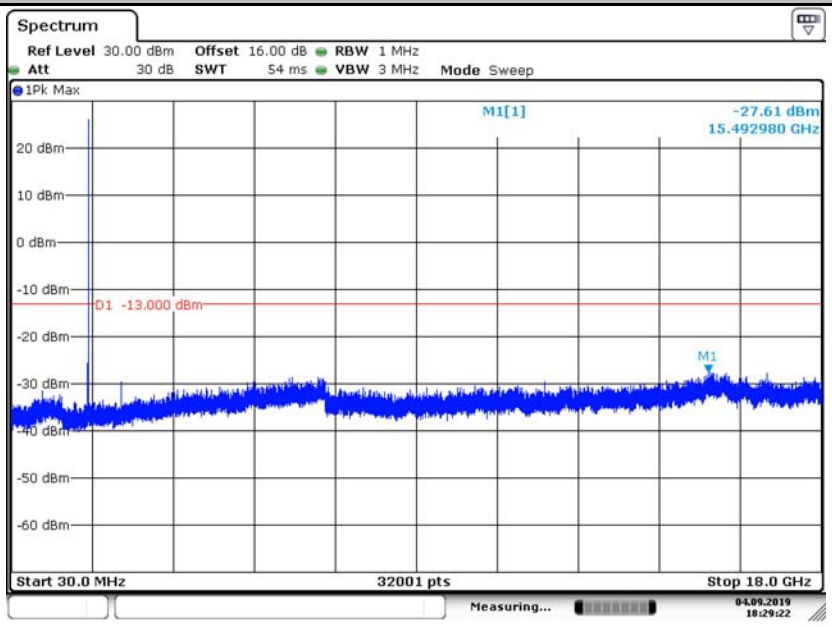
Date: 4.SEP.2019 18:28:52

16QAM



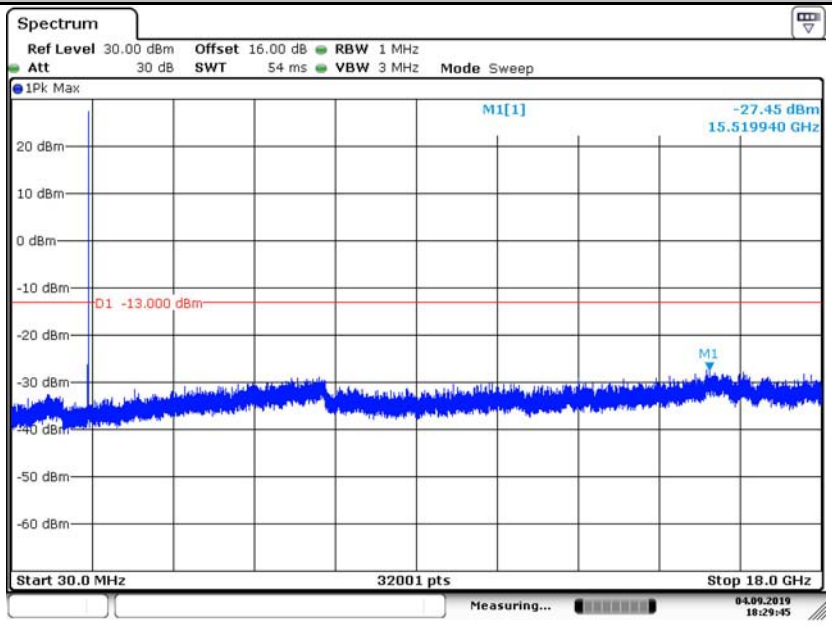
Date: 4.SEP.2019 18:29:05

LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



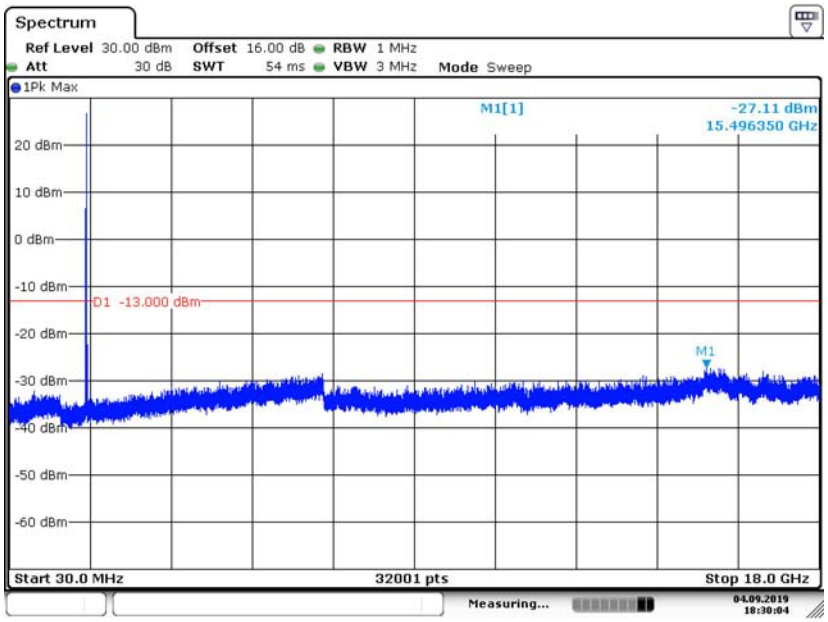
Date: 4.SEP.2019 18:29:22

16QAM



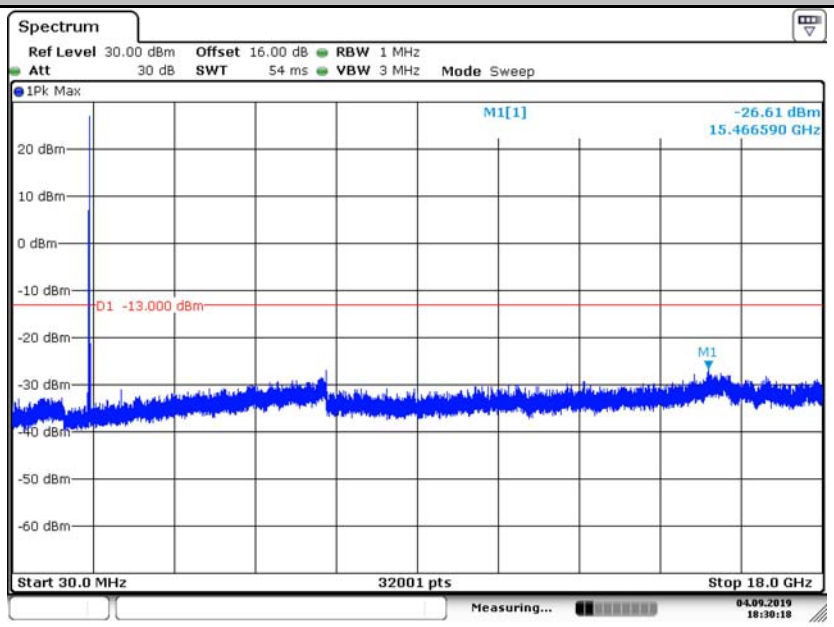
Date: 4.SEP.2019 18:29:45

LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 15MHz - Middle Channel - RB1#0
QPSK



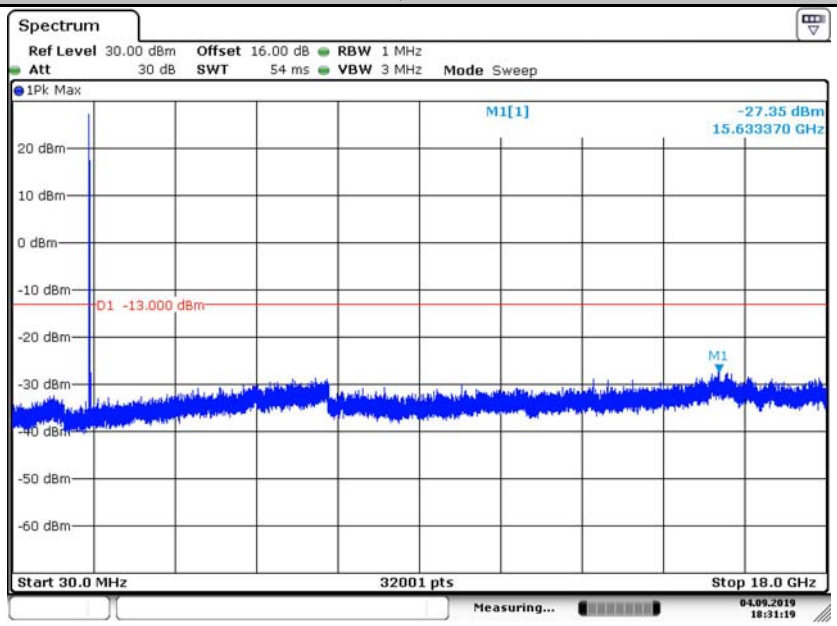
Date: 4.SEP.2019 18:30:05

16QAM



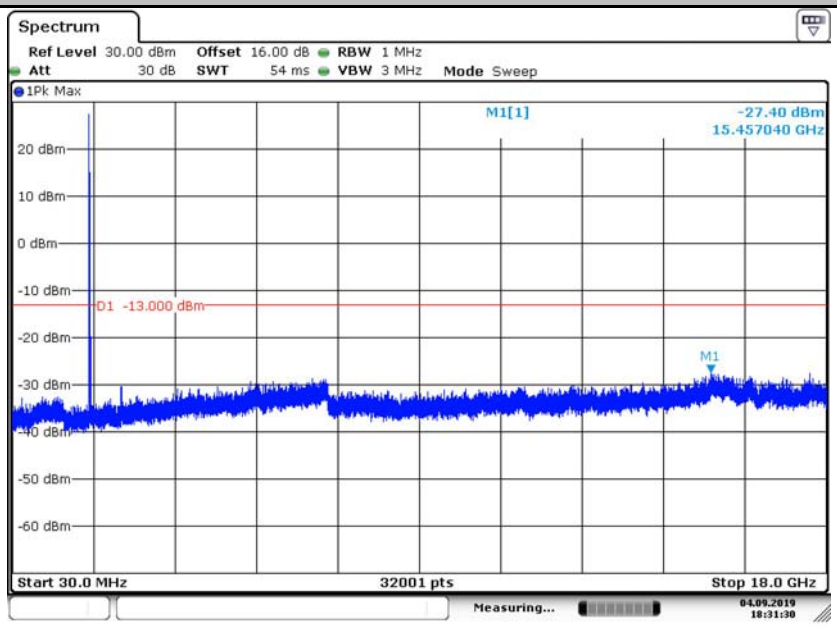
Date: 4.SEP.2019 18:30:17

LTE Band4: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 20MHz - Middle Channel - RB1#0
QPSK



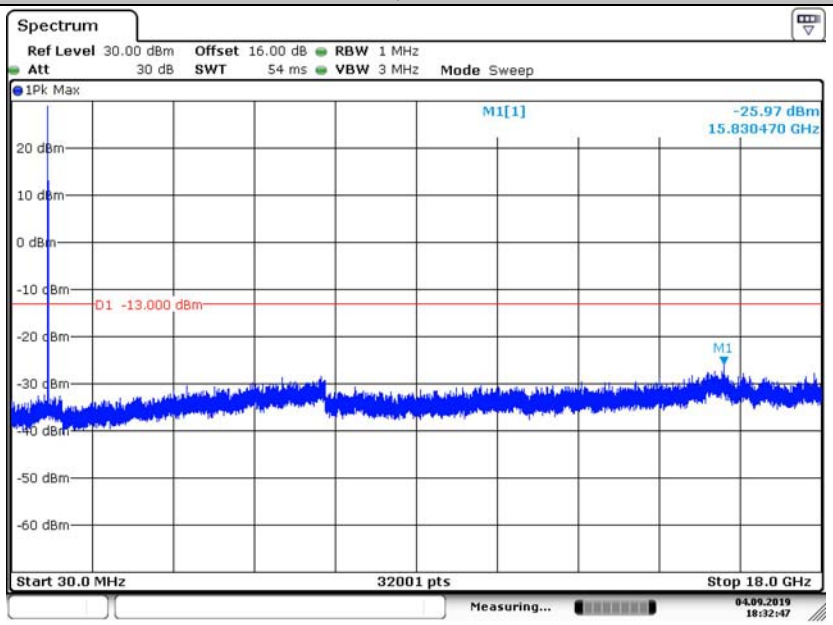
Date: 4.SEP.2019 18:31:20

16QAM



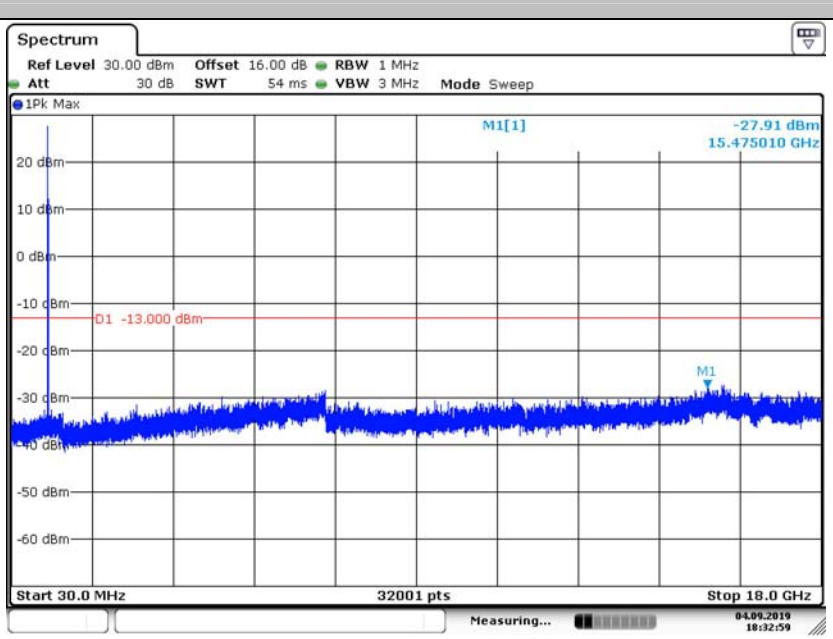
Date: 4.SEP.2019 18:31:29

LTE Band 5: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 1.4MHz – Middle Channel - RB1#0
QPSK



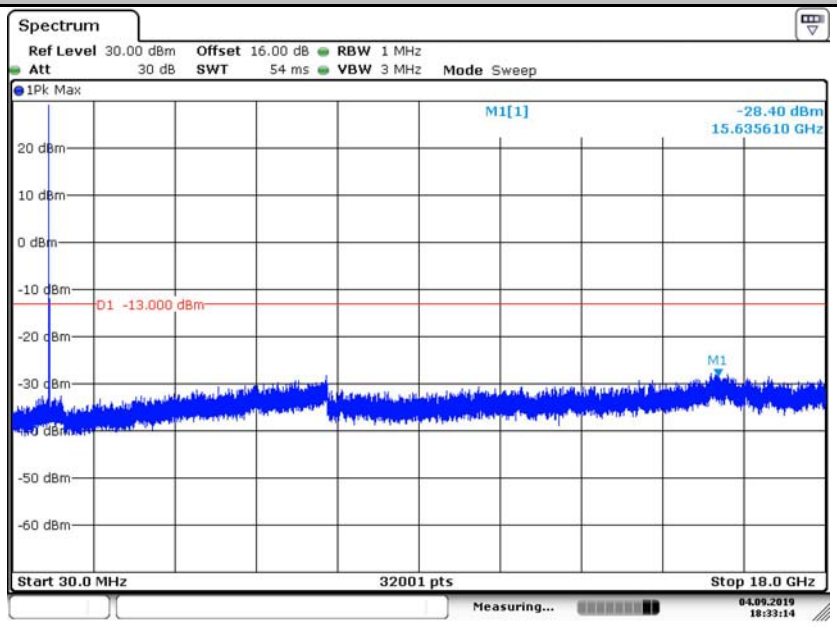
Date: 4.SEP.2019 18:32:47

16QAM



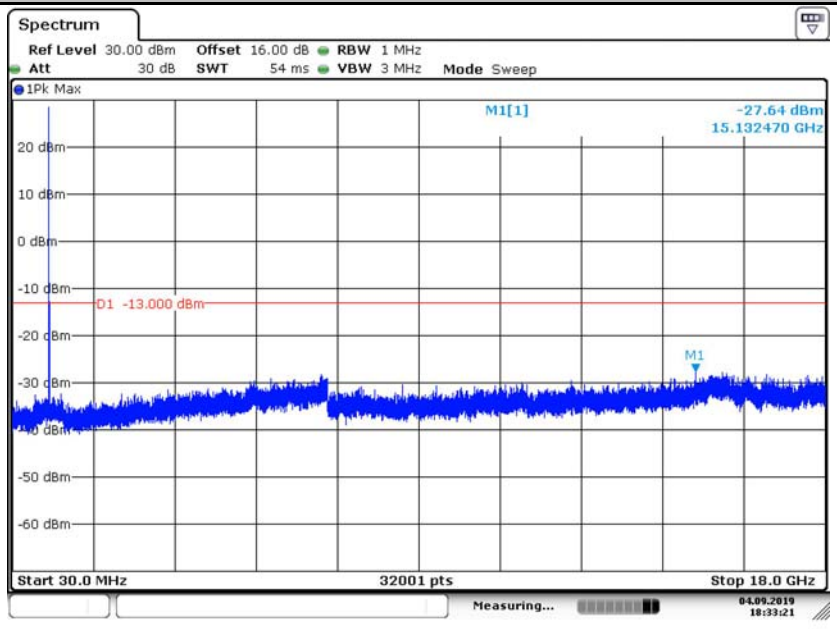
Date: 4.SEP.2019 18:32:59

LTE Band 5: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 3MHz - Middle Channel - RB1#0
QPSK



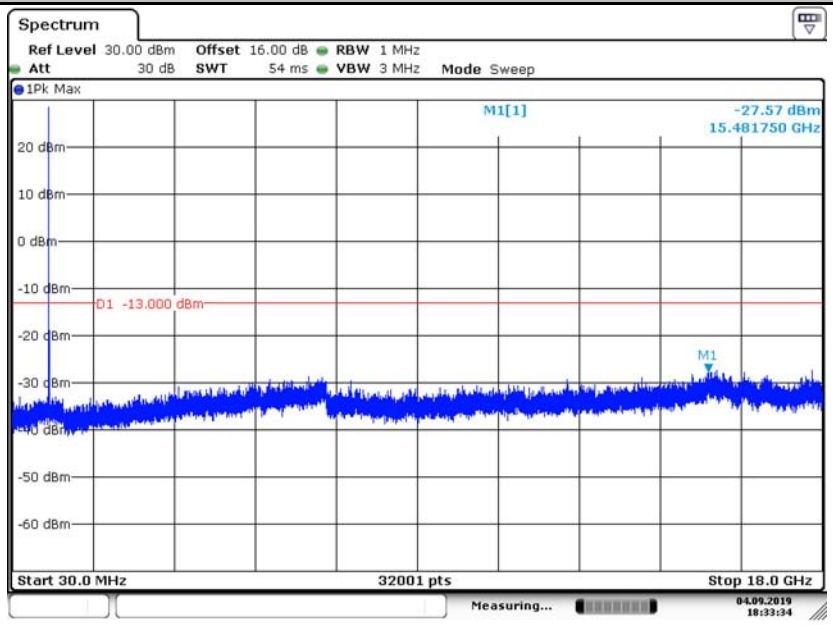
Date: 4.SEP.2019 18:33:14

16QAM



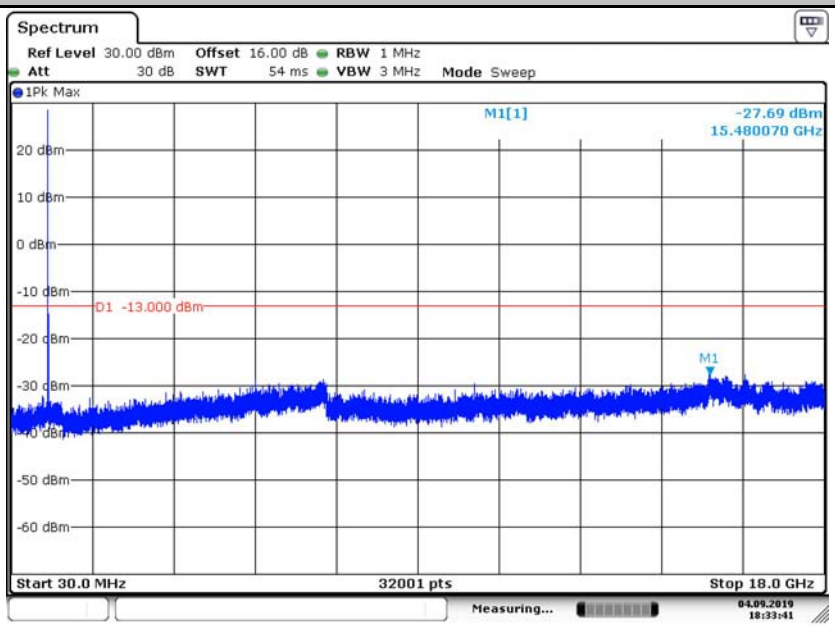
Date: 4.SEP.2019 18:33:21

LTE Band 5: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



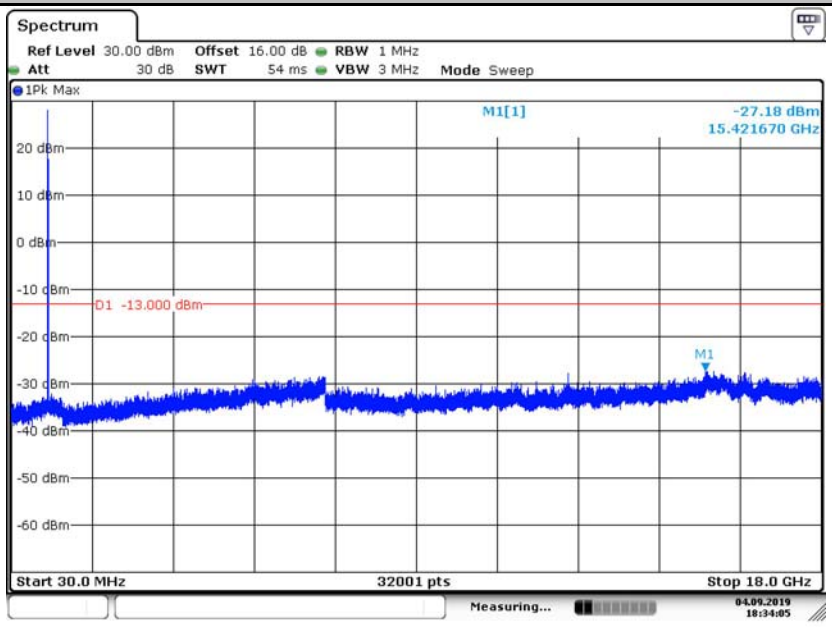
Date: 4.SEP.2019 18:33:34

16QAM



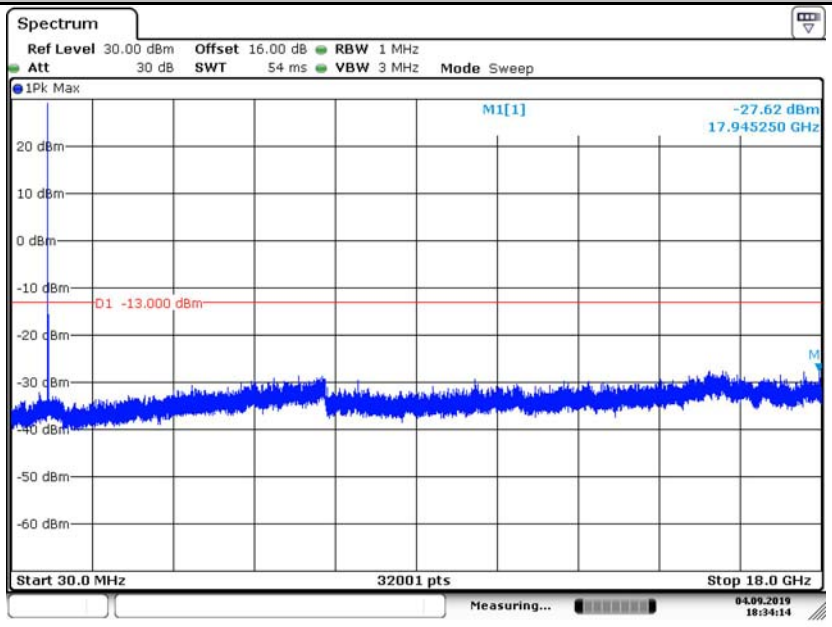
Date: 4.SEP.2019 18:33:42

LTE Band 5: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



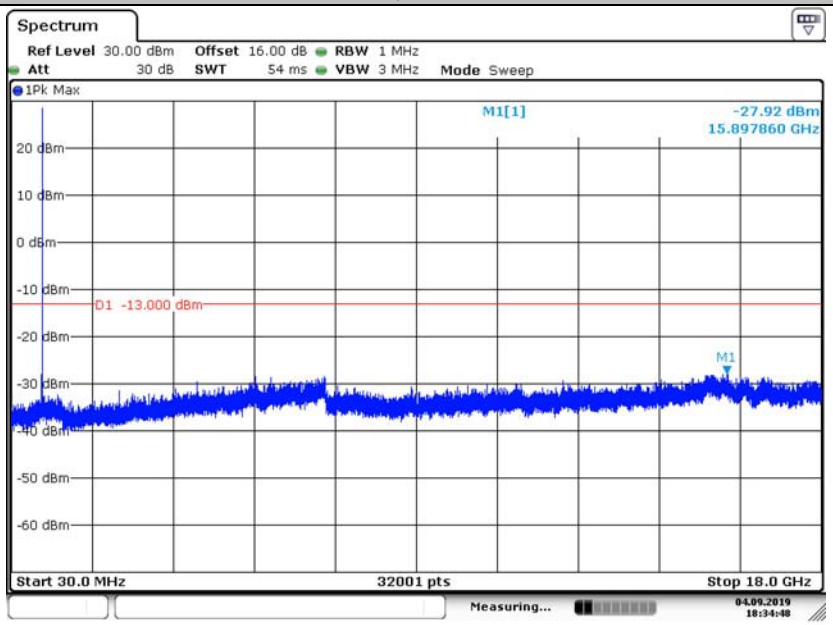
Date: 4.SEP.2019 18:34:04

16QAM



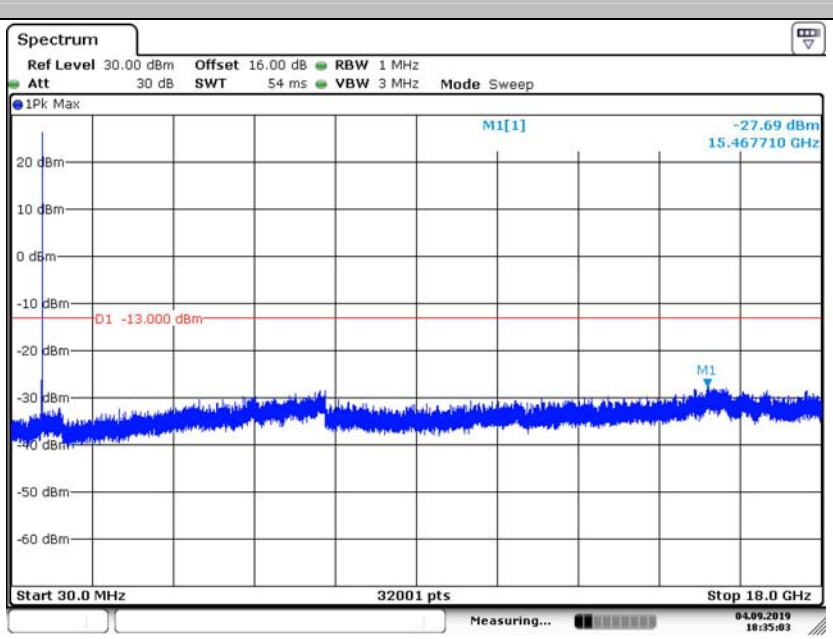
Date: 4.SEP.2019 18:34:14

LTE Band 12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 1.4MHz – Middle Channel - RB1#0
QPSK



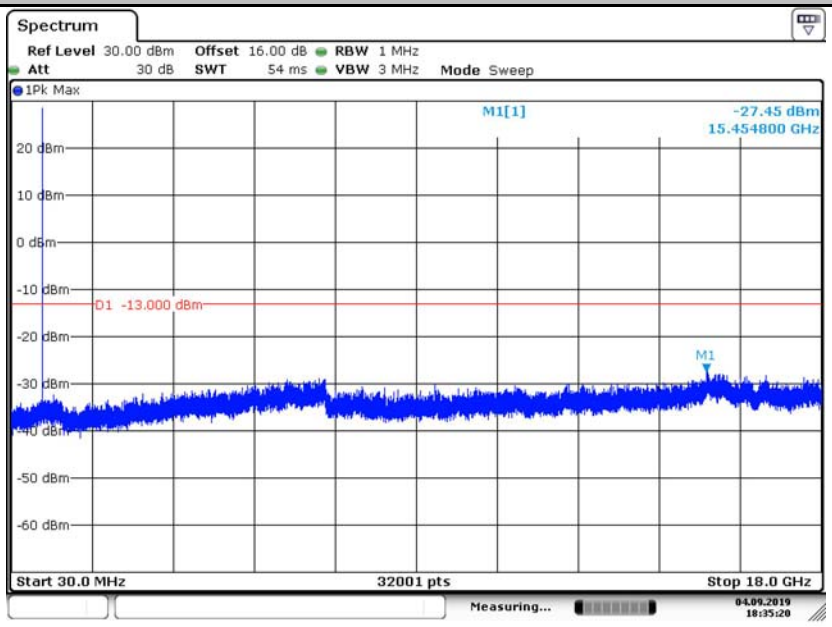
Date: 4.SEP.2019 18:34:49

16QAM



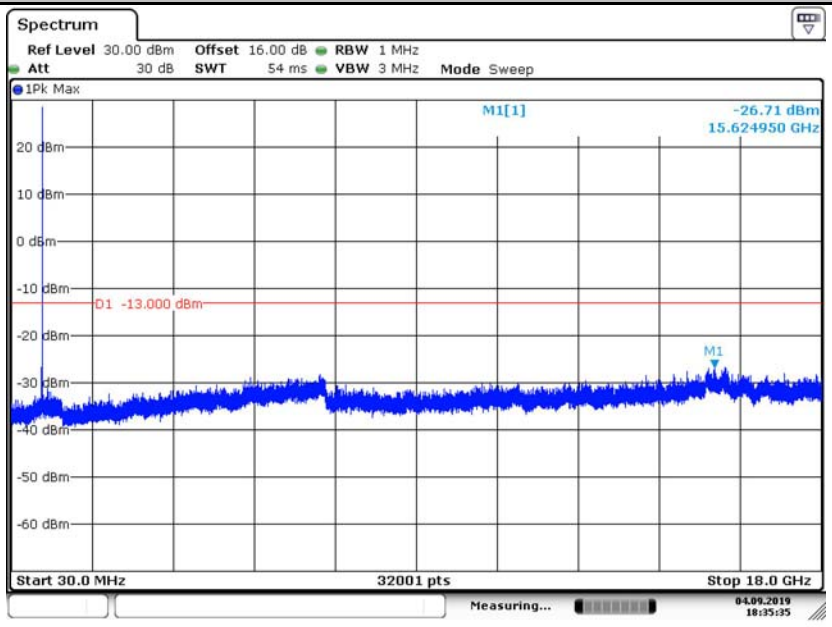
Date: 4.SEP.2019 18:35:03

LTE Band 12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 3MHz - Middle Channel - RB1#0
QPSK



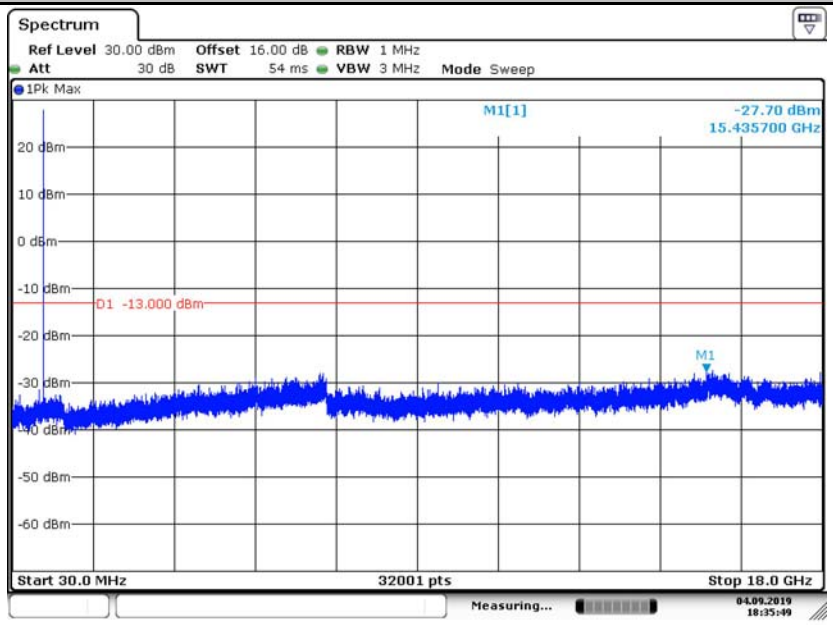
Date: 4.SEP.2019 18:35:20

16QAM



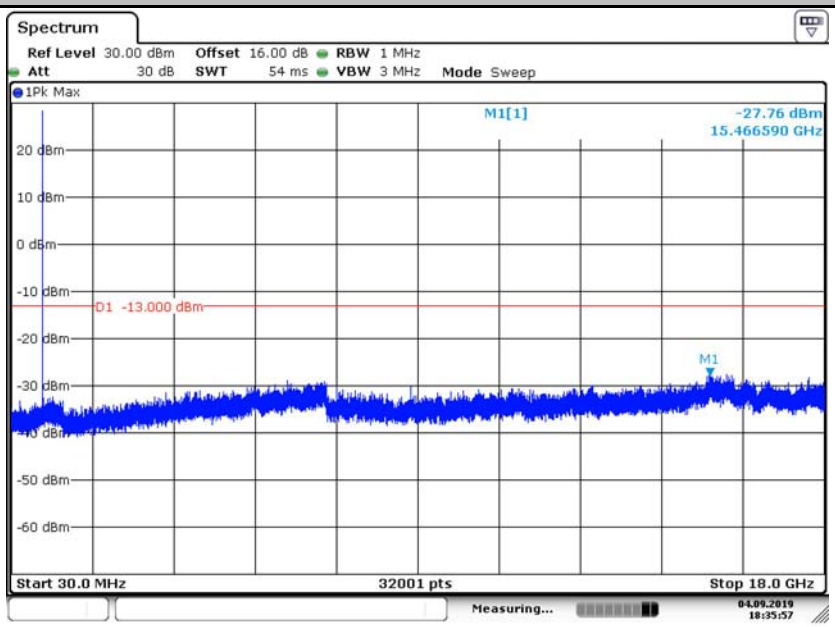
Date: 4.SEP.2019 18:35:35

LTE Band 12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



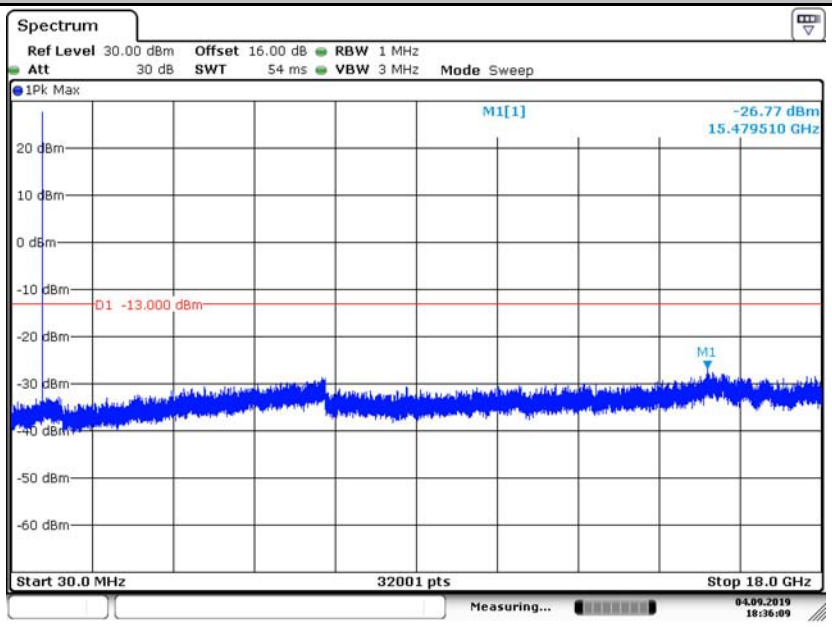
Date: 4.SEP.2019 18:35:49

16QAM



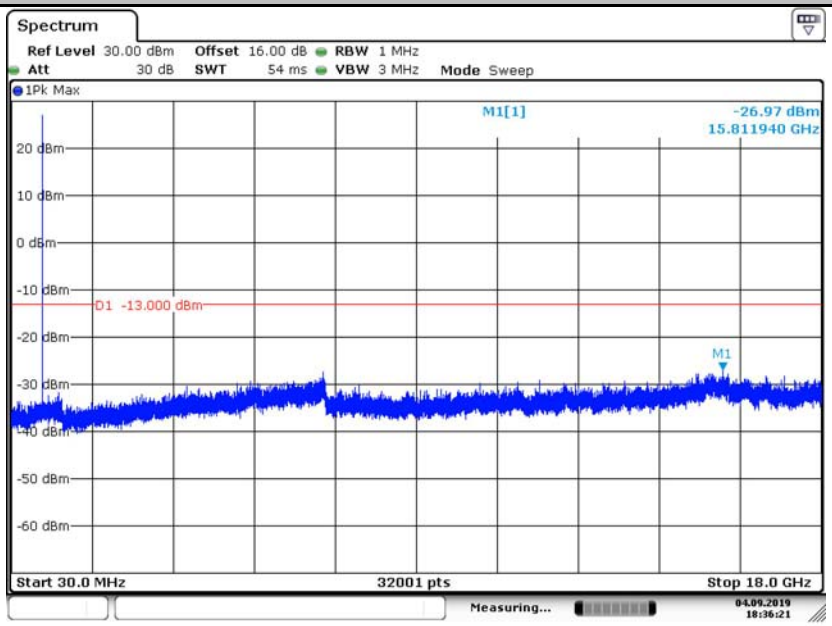
Date: 4.SEP.2019 18:35:57

LTE Band 12: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



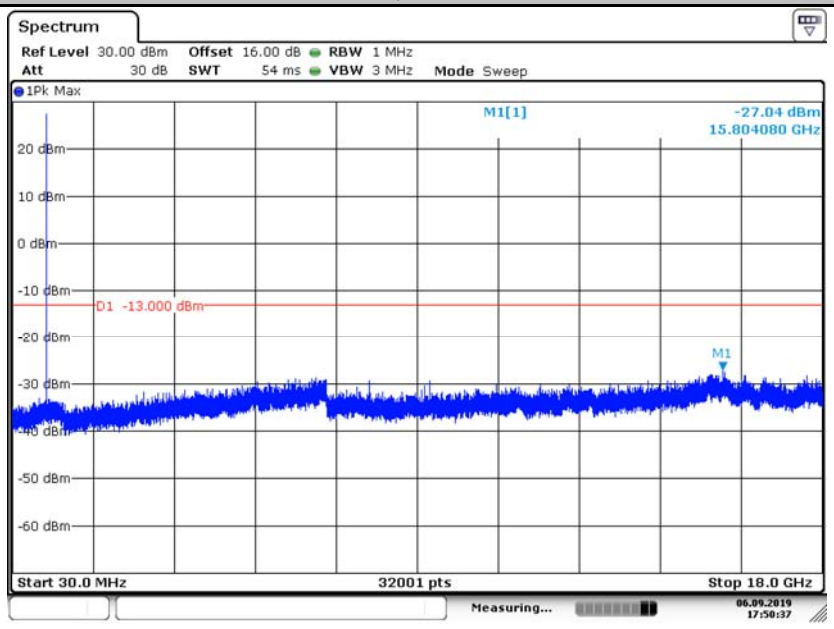
Date: 4.SEP.2019 18:36:10

16QAM



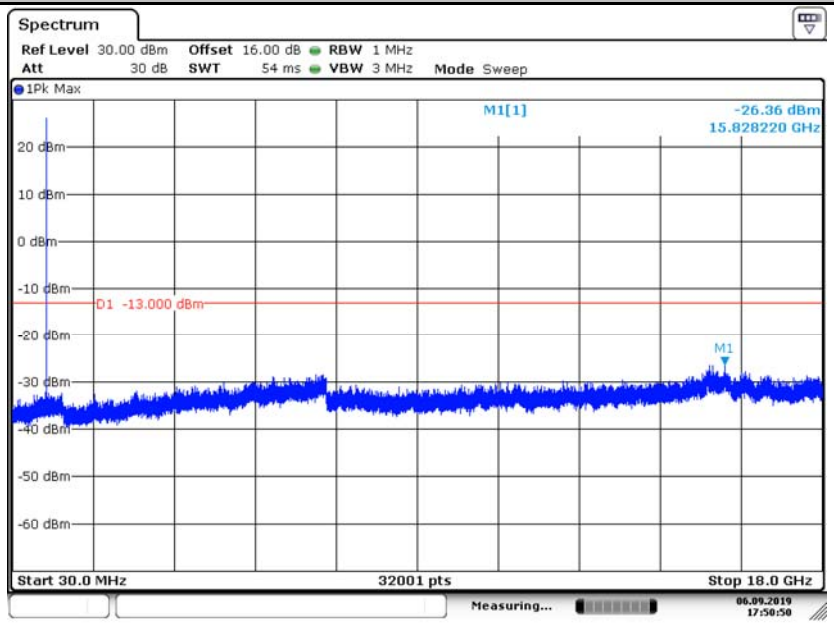
Date: 4.SEP.2019 18:36:21

LTE Band 13: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



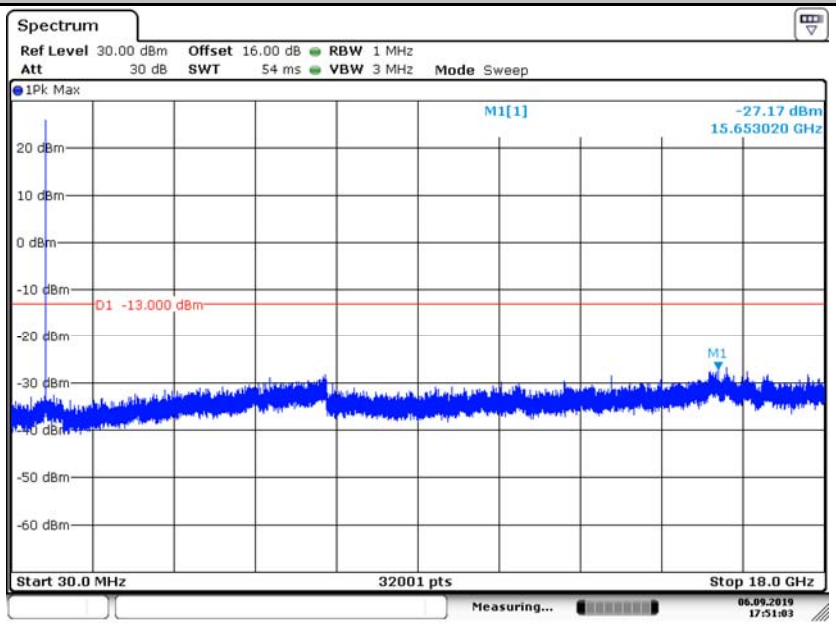
Date: 6.SEP.2019 17:50:36

16QAM



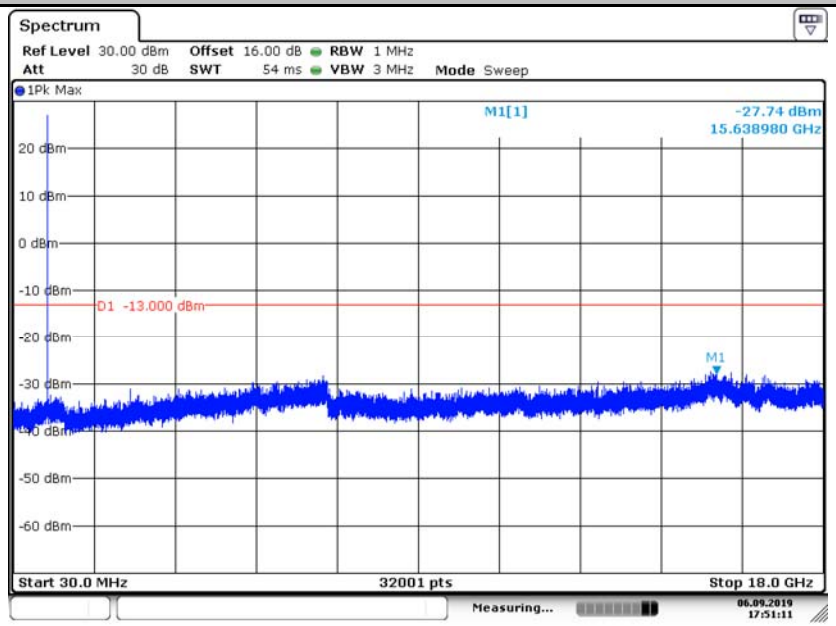
Date: 6.SEP.2019 17:50:50

LTE Band 13: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



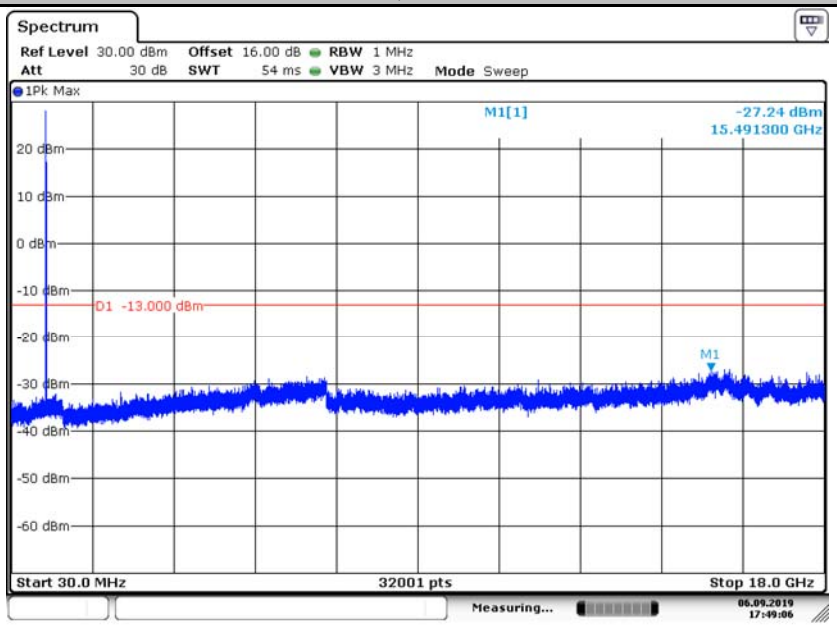
Date: 6.SEP.2019 17:51:03

16QAM



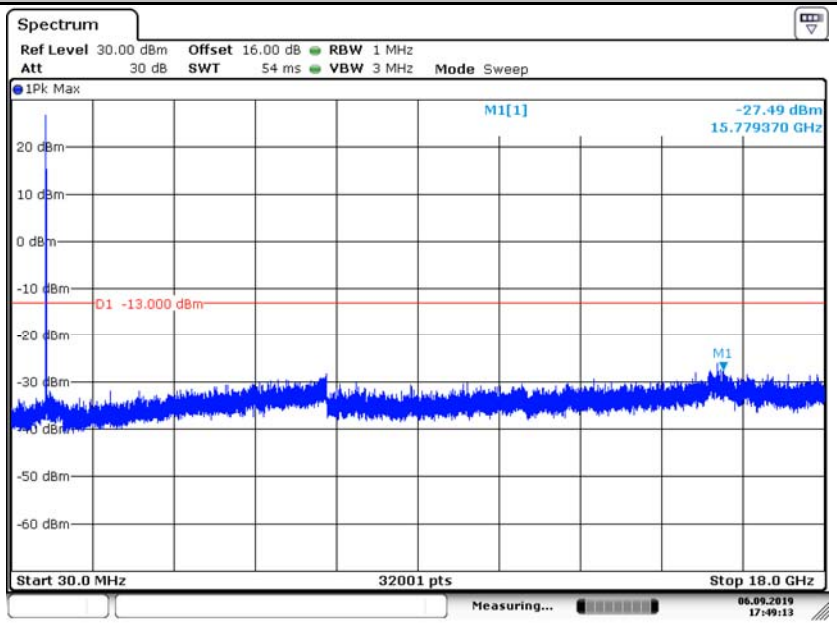
Date: 6.SEP.2019 17:51:11

LTE Band 14: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



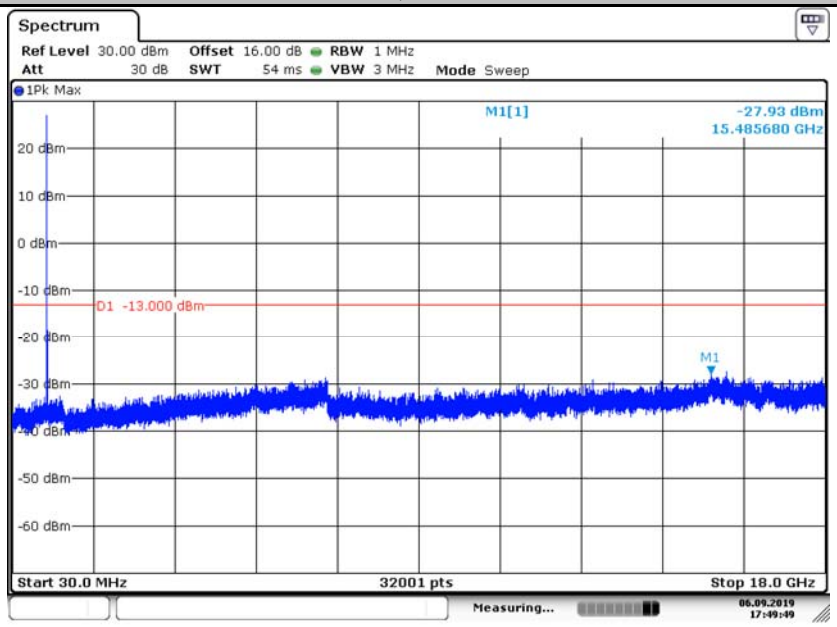
Date: 6.SEP.2019 17:49:06

16QAM



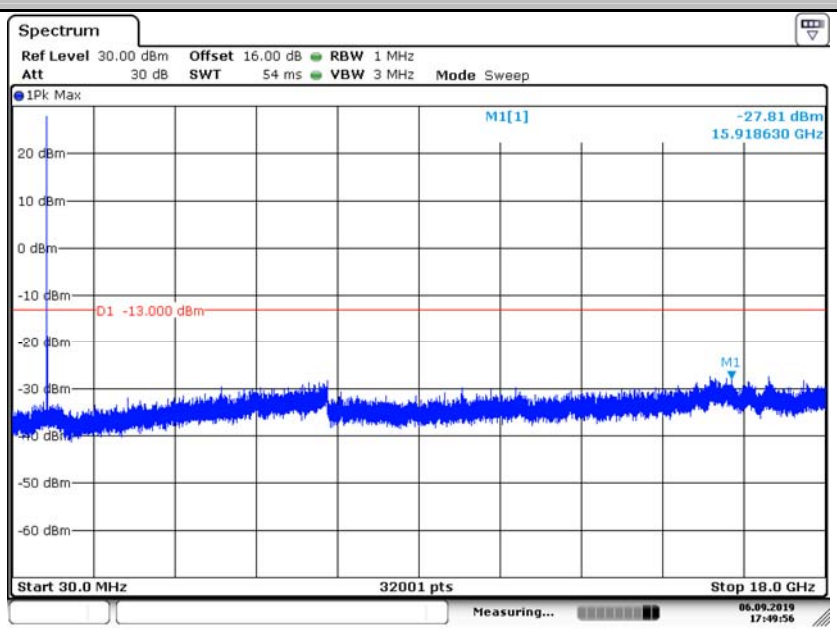
Date: 6.SEP.2019 17:49:14

LTE Band 14: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



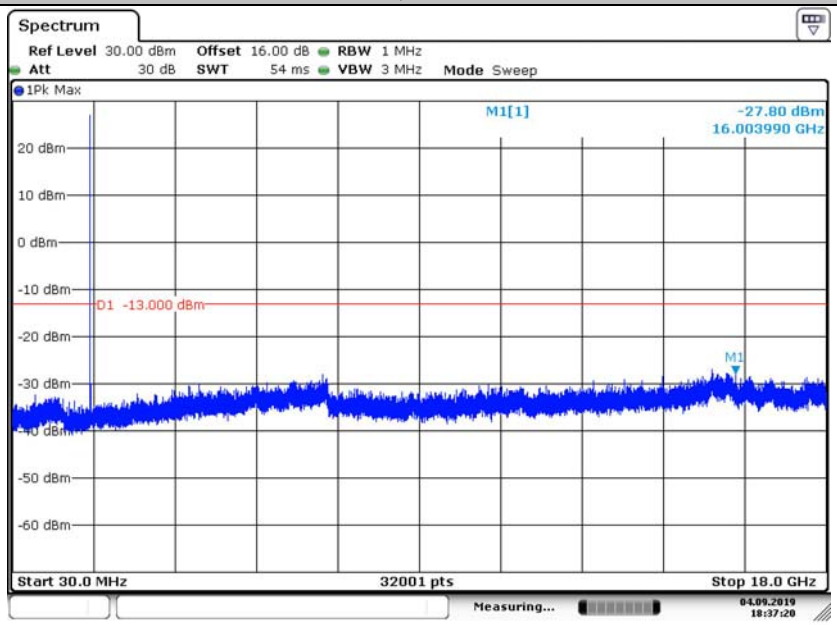
Date: 6.SEP.2019 17:49:49

16QAM



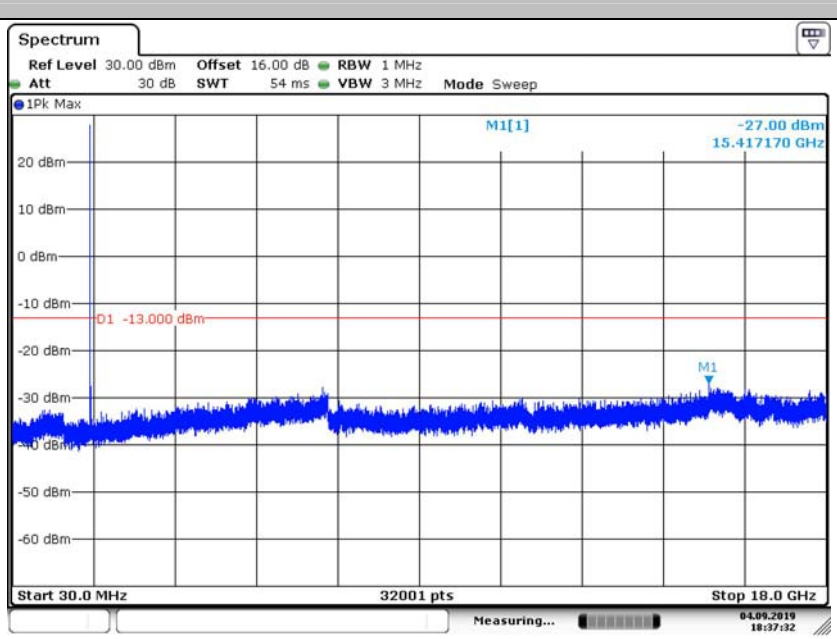
Date: 6.SEP.2019 17:49:56

LTE Band 66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 1.4MHz – Middle Channel - RB1#0
QPSK



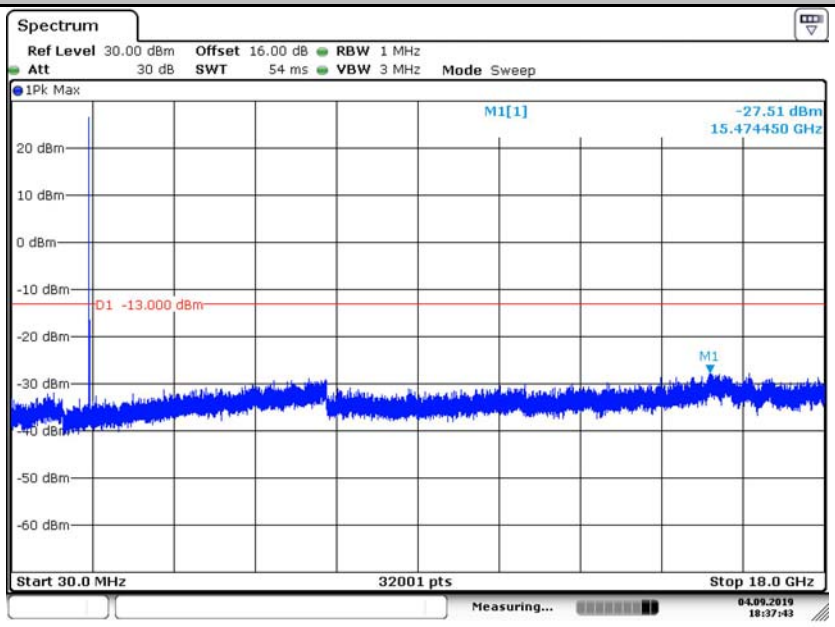
Date: 4.SEP.2019 18:37:20

16QAM



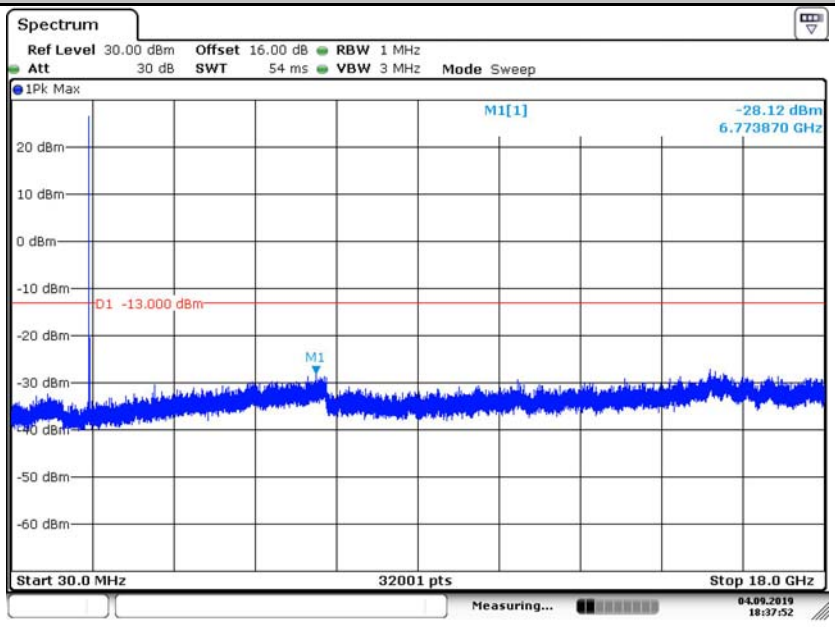
Date: 4.SEP.2019 18:37:31

LTE Band 66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 3MHz - Middle Channel - RB1#0
QPSK



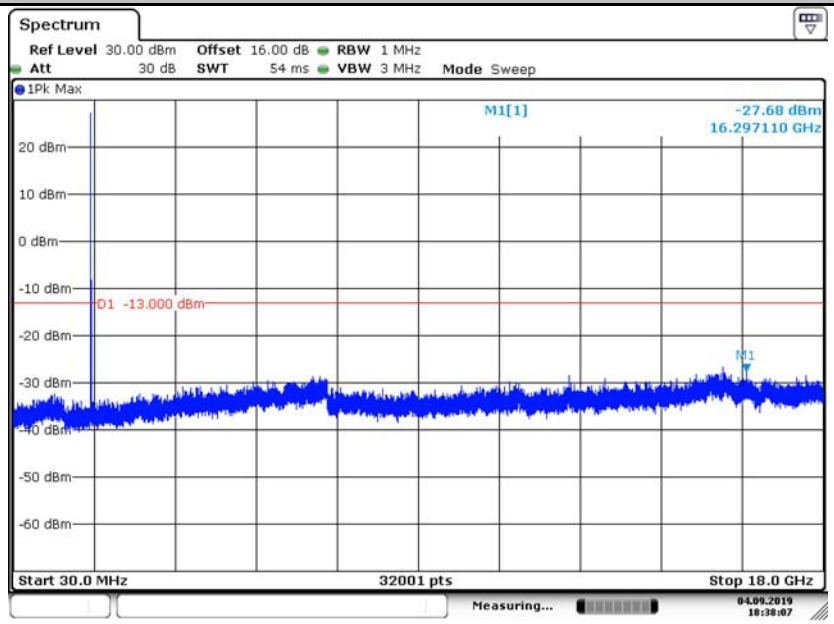
Date: 4.SEP.2019 18:37:43

16QAM



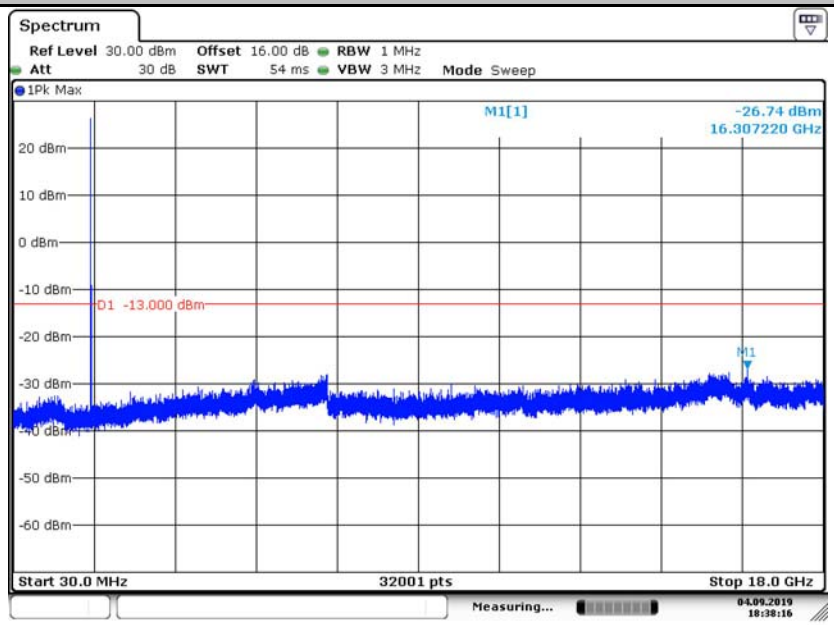
Date: 4.SEP.2019 18:37:52

LTE Band 66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



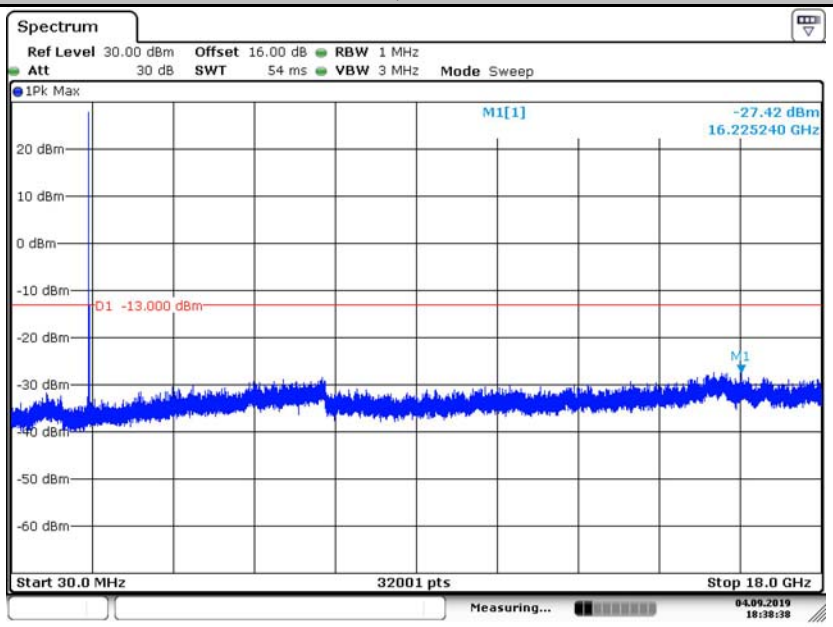
Date: 4.SEP.2019 18:38:07

16QAM



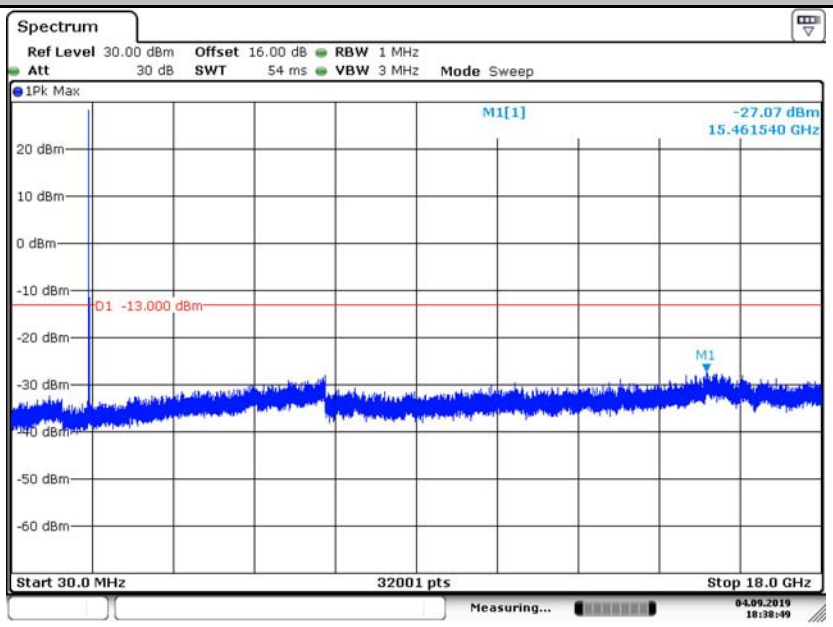
Date: 4.SEP.2019 18:38:16

LTE Band 66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



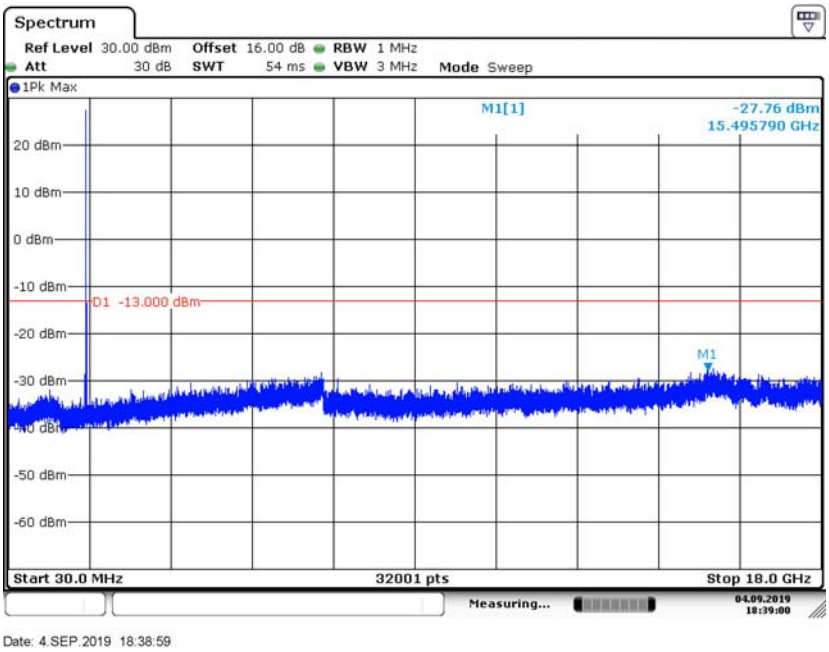
Date: 4.SEP.2019 18:38:38

16QAM

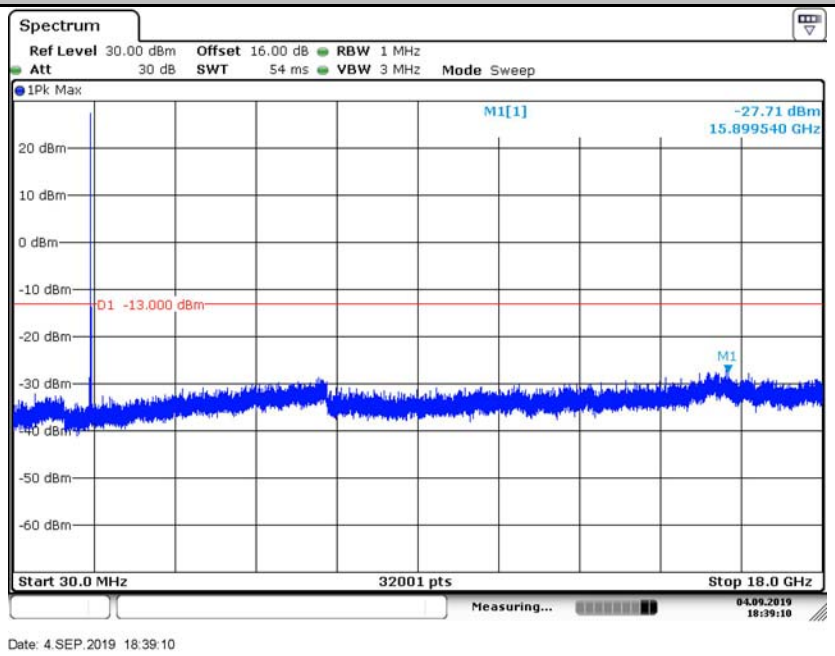


Date: 4.SEP.2019 18:38:49

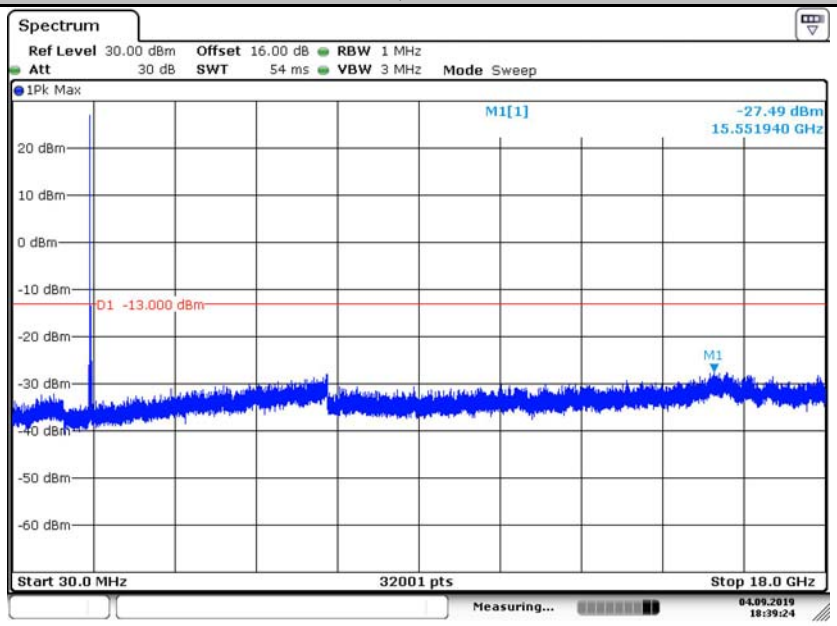
LTE Band 66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 15MHz - Middle Channel - RB1#0
QPSK



16QAM

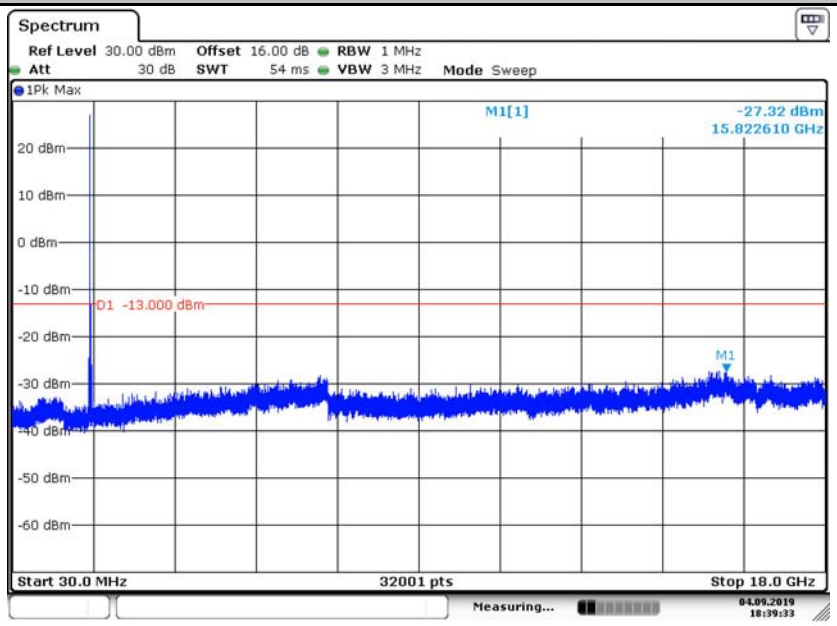


LTE Band 66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 20MHz - Middle Channel - RB1#0
QPSK



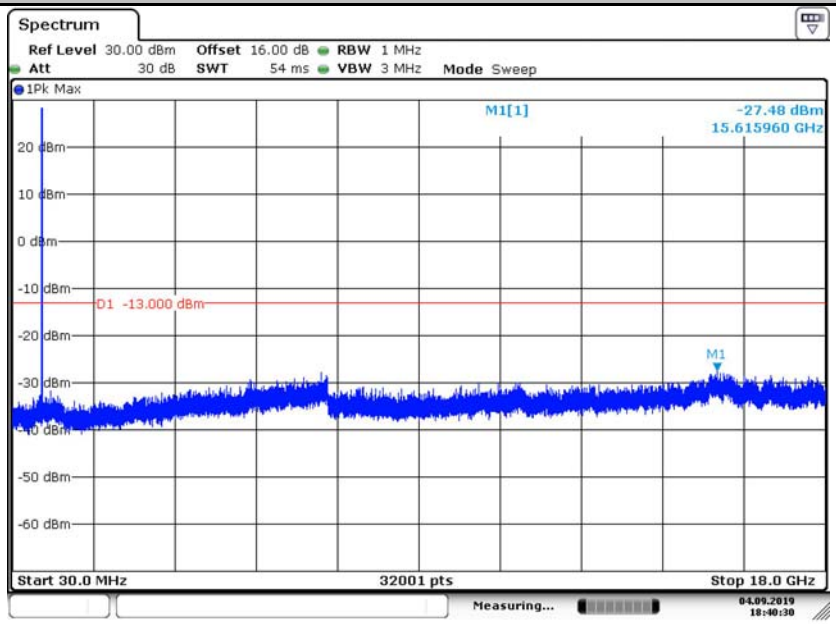
Date: 4.SEP.2019 18:39:24

16QAM



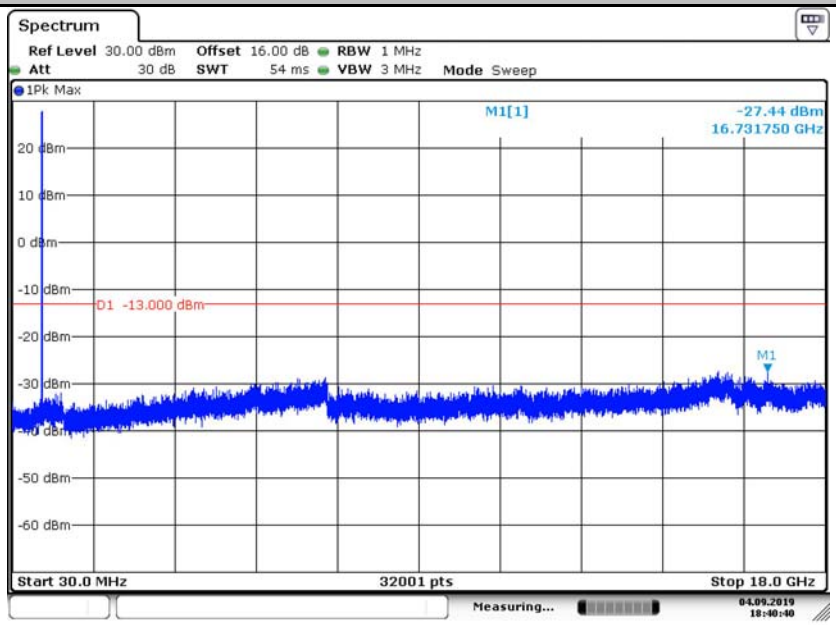
Date: 4.SEP.2019 18:39:33

LTE Band 71: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 5MHz - Middle Channel - RB1#0
QPSK



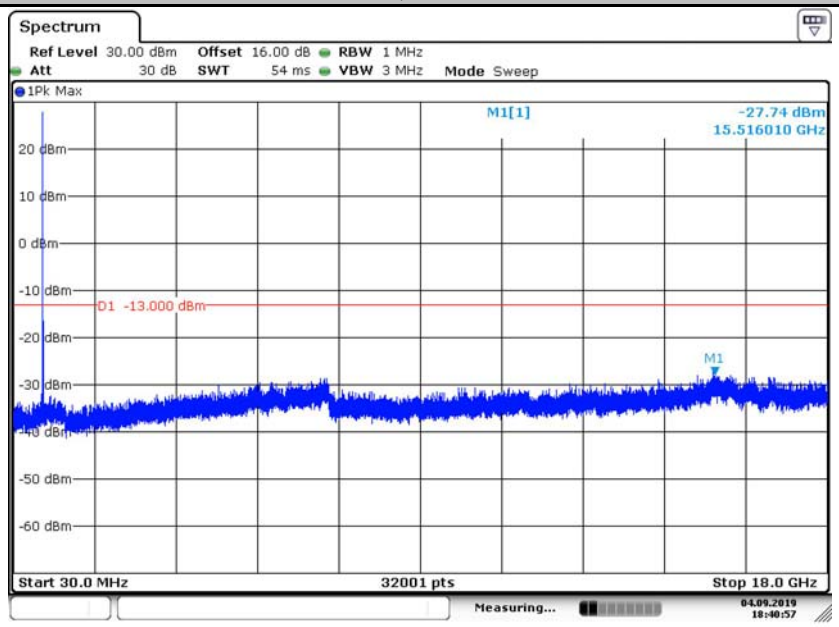
Date: 4.SEP.2019 18:40:30

16QAM



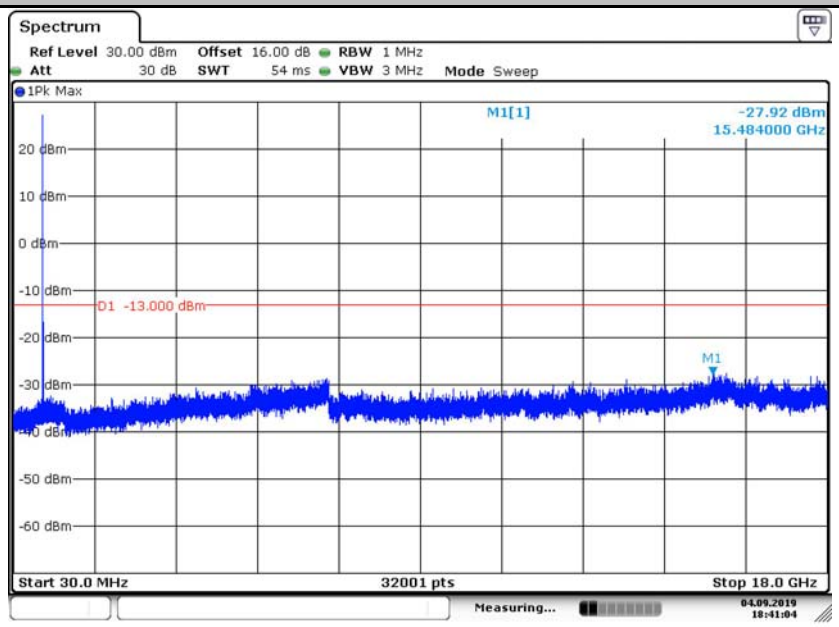
Date: 4.SEP.2019 18:40:41

LTE Band 71: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 10MHz - Middle Channel - RB1#0
QPSK



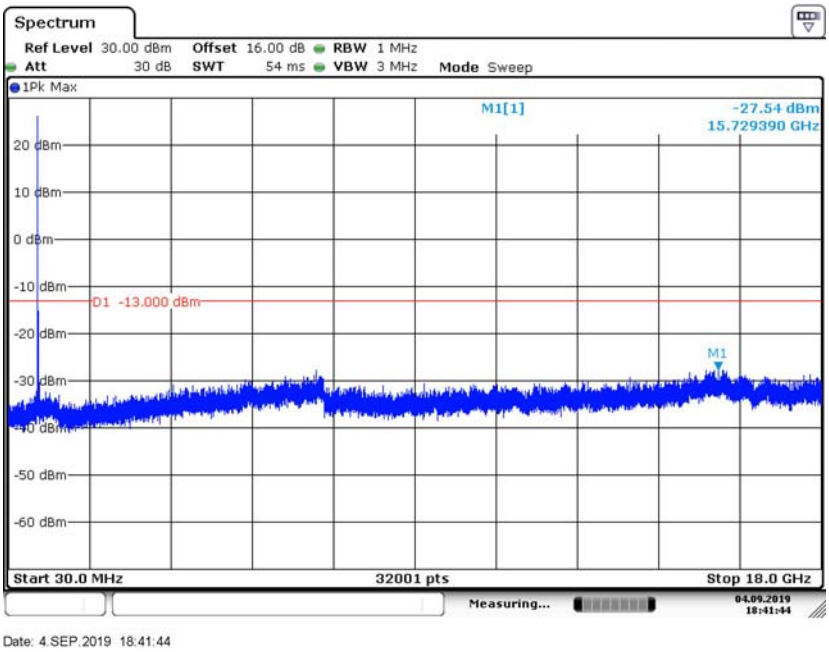
Date: 4.SEP.2019 18:40:57

16QAM

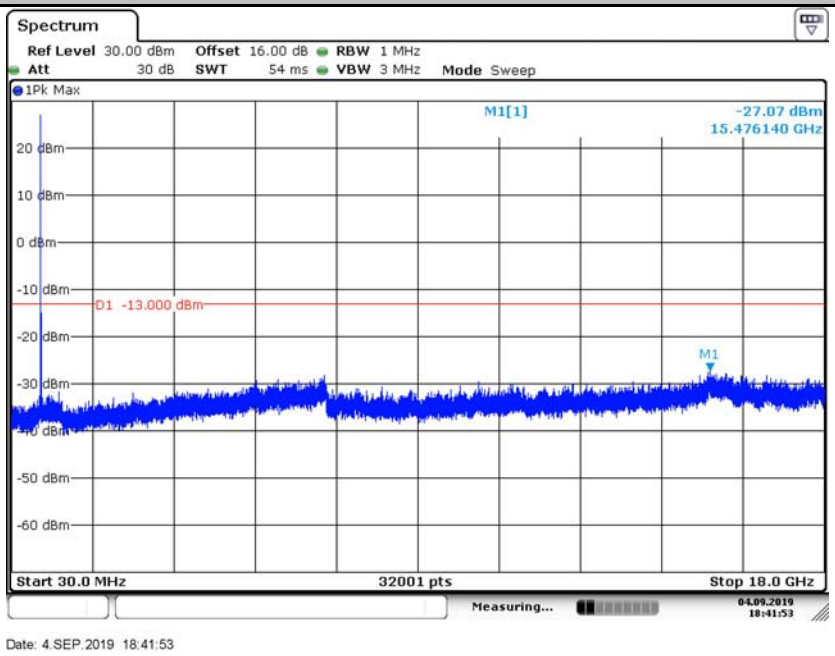


Date: 4.SEP.2019 18:41:05

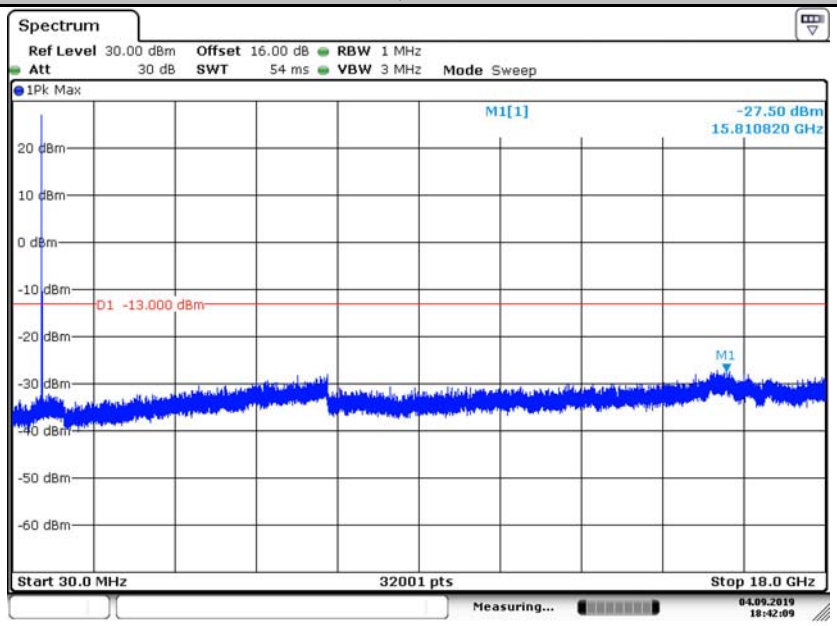
LTE Band 71: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 15MHz - Middle Channel - RB1#0
QPSK



16QAM

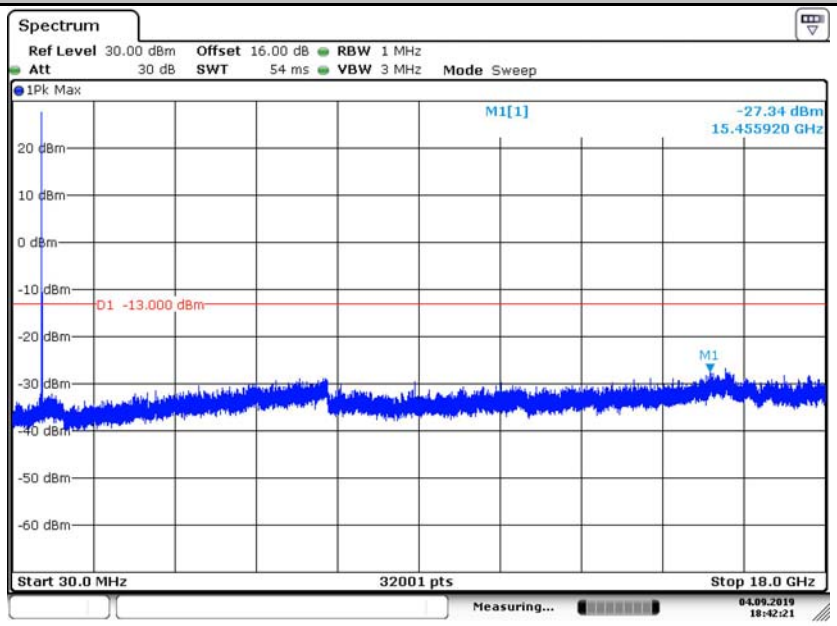


LTE Band 71: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS
Test BW: 20MHz - Middle Channel - RB1#0
QPSK



Date: 4.SEP.2019 18:42:09

16QAM



Date: 4.SEP.2019 18:42:20

APPENDIX G: TEST DATA FOR FIELD STRENGTH OF SPURIOUS RADIATION

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

For LTE BAND 2 link

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

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
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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:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
286.41	H	1.4 MHz	RB1#0	-36.21	-13	-23.21	Pass
3760.00	H	1.4 MHz	RB1#0	-34.04	-13	-21.04	Pass
5640.00	H	1.4 MHz	RB1#0	-33.15	-13	-20.15	Pass
7520.00	H	1.4 MHz	RB1#0	-40.38	-13	-27.38	Pass
286.41	V	1.4 MHz	RB1#0	-40.13	-13	-27.13	Pass
3760.00	V	1.4 MHz	RB1#0	-30.39	-13	-17.39	Pass
5640.00	V	1.4 MHz	RB1#0	-36.04	-13	-23.04	Pass
7520.00	V	1.4 MHz	RB1#0	-39.58	-13	-26.58	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
272.03	H	3 MHz	RB1#0	-40.82	-13	-27.82	Pass
3760.00	H	3 MHz	RB1#0	-33.71	-13	-20.71	Pass
5640.00	H	3 MHz	RB1#0	-34.08	-13	-21.08	Pass
7520.00	H	3 MHz	RB1#0	-40.22	-13	-27.22	Pass
374.55	V	3 MHz	RB1#0	-43.70	-13	-30.70	Pass
3760.00	V	3 MHz	RB1#0	-27.93	-13	-14.93	Pass
5640.00	V	3 MHz	RB1#0	-36.14	-13	-23.14	Pass
7520.00	V	3 MHz	RB1#0	-41.18	-13	-28.18	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
272.02	H	5 MHz	RB1#0	-41.27	-13	-28.27	Pass
3760.00	H	5 MHz	RB1#0	-33.19	-13	-20.19	Pass
5640.00	H	5 MHz	RB1#0	-36.24	-13	-23.24	Pass
7520.00	H	5 MHz	RB1#0	-38.88	-13	-25.88	Pass
375.37	V	5 MHz	RB1#0	-42.65	-13	-29.65	Pass
3760.00	V	5 MHz	RB1#0	-29.92	-13	-16.92	Pass
5640.00	V	5 MHz	RB1#0	-34.95	-13	-21.95	Pass
7520.00	V	5 MHz	RB1#0	-41.27	-13	-28.27	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
451.55	H	10 MHz	RB1#0	-42.24	-13	-29.24	Pass
3760.00	H	10 MHz	RB1#0	-34.23	-13	-21.23	Pass
5640.00	H	10 MHz	RB1#0	-35.32	-13	-22.32	Pass
7520.00	H	10 MHz	RB1#0	-39.57	-13	-26.57	Pass
450.70	V	10 MHz	RB1#0	-43.16	-13	-30.16	Pass
3760.00	V	10 MHz	RB1#0	-32.47	-13	-19.47	Pass
5640.00	V	10 MHz	RB1#0	-34.17	-13	-21.17	Pass
7520.00	V	10 MHz	RB1#0	-37.59	-13	-24.59	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
472.90	H	15 MHz	RB1#0	-43.11	-13	-30.11	Pass
3760.00	H	15 MHz	RB1#0	-30.19	-13	-17.19	Pass
5640.00	H	15 MHz	RB1#0	-33.23	-13	-20.23	Pass
7520.00	H	15 MHz	RB1#0	-41.59	-13	-28.59	Pass
471.77	V	15 MHz	RB1#0	-43.12	-13	-30.12	Pass
3760.00	V	15 MHz	RB1#0	-32.37	-13	-19.37	Pass
5640.00	V	15 MHz	RB1#0	-34.07	-13	-21.07	Pass
7520.00	V	15 MHz	RB1#0	-37.83	-13	-24.83	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND2		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
256.79	H	20 MHz	RB1#0	-43.34	-13	-30.34	Pass
3760.00	H	20 MHz	RB1#0	-29.93	-13	-16.93	Pass
5640.00	H	20 MHz	RB1#0	-36.91	-13	-23.91	Pass
7520.00	H	20 MHz	RB1#0	-38.46	-13	-25.46	Pass
258.96	V	20 MHz	RB1#0	-42.82	-13	-29.82	Pass
3760.00	V	20 MHz	RB1#0	-28.83	-13	-15.83	Pass
5640.00	V	20 MHz	RB1#0	-35.85	-13	-22.85	Pass
7520.00	V	20 MHz	RB1#0	-39.78	-13	-26.78	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.

For LTE BAND 4 link

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

Temperature:	24℃	Test By:	XW
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
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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:	XW
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
286.76	H	1.4 MHz	RB1#0	-39.79	-13	-26.79	Pass
3465.00	H	1.4 MHz	RB1#0	-28.09	-13	-15.09	Pass
5197.50	H	1.4 MHz	RB1#0	-37.60	-13	-24.6	Pass
6930.00	H	1.4 MHz	RB1#0	-38.28	-13	-25.28	Pass
350.49	V	1.4 MHz	RB1#0	-40.48	-13	-27.48	Pass
3465.00	V	1.4 MHz	RB1#0	-32.38	-13	-19.38	Pass
5197.50	V	1.4 MHz	RB1#0	-36.37	-13	-23.37	Pass
6930.00	V	1.4 MHz	RB1#0	-40.40	-13	-27.40	Pass

Temperature:	24℃	Test By:	XW
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
285.02	H	3 MHz	RB1#0	-39.81	-13	-26.81	Pass
3465.00	H	3 MHz	RB1#0	-28.16	-13	-15.16	Pass
5197.50	H	3 MHz	RB1#0	-34.59	-13	-21.59	Pass
6930.00	H	3 MHz	RB1#0	-41.64	-13	-28.64	Pass
351.26	V	3 MHz	RB1#0	-38.32	-13	-25.32	Pass
3465.00	V	3 MHz	RB1#0	-29.69	-13	-16.69	Pass
5197.50	V	3 MHz	RB1#0	-37.33	-13	-24.33	Pass
6930.00	V	3 MHz	RB1#0	-38.41	-13	-25.41	Pass

Temperature:	24℃	Test By:	XW
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
286.94	H	5 MHz	RB1#0	-38.24	-13	-25.24	Pass
3465.00	H	5 MHz	RB1#0	-27.03	-13	-14.03	Pass
5197.50	H	5 MHz	RB1#0	-33.86	-13	-20.86	Pass
6930.00	H	5 MHz	RB1#0	-39.82	-13	-26.82	Pass
350.90	V	5 MHz	RB1#0	-39.48	-13	-26.48	Pass
3465.00	V	5 MHz	RB1#0	-33.11	-13	-20.11	Pass
5197.50	V	5 MHz	RB1#0	-35.51	-13	-22.51	Pass
6930.00	V	5 MHz	RB1#0	-40.18	-13	-27.18	Pass

Temperature:	24℃	Test By:	XW
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
285.76	H	10 MHz	RB1#0	-38.18	-13	-25.18	Pass
3465.00	H	10 MHz	RB1#0	-31.77	-13	-18.77	Pass
5197.50	H	10 MHz	RB1#0	-37.88	-13	-24.88	Pass
6930.00	H	10 MHz	RB1#0	-38.70	-13	-25.70	Pass
352.01	V	10 MHz	RB1#0	-39.24	-13	-26.24	Pass
3465.00	V	10 MHz	RB1#0	-33.88	-13	-20.88	Pass
5197.50	V	10 MHz	RB1#0	-37.60	-13	-24.60	Pass
6930.00	V	10 MHz	RB1#0	-37.15	-13	-24.15	Pass

Temperature:	24℃	Test By:	XW
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
284.85	H	15 MHz	RB1#0	-39.14	-13	-26.14	Pass
3465.00	H	15 MHz	RB1#0	-32.96	-13	-19.96	Pass
5197.50	H	15 MHz	RB1#0	-37.59	-13	-24.59	Pass
6930.00	H	15 MHz	RB1#0	-37.71	-13	-24.71	Pass
350.98	V	15 MHz	RB1#0	-39.98	-13	-26.98	Pass
3465.00	V	15 MHz	RB1#0	-29.02	-13	-16.02	Pass
5197.50	V	15 MHz	RB1#0	-36.39	-13	-23.39	Pass
6930.00	V	15 MHz	RB1#0	-37.52	-13	-24.52	Pass

Temperature:	24℃	Test By:	XW
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
286.30	H	20 MHz	RB1#0	-40.21	-13	-27.21	Pass
3465.00	H	20 MHz	RB1#0	-29.03	-13	-16.03	Pass
5197.50	H	20 MHz	RB1#0	-34.51	-13	-21.51	Pass
6930.00	H	20 MHz	RB1#0	-40.67	-13	-27.67	Pass
351.78	V	20 MHz	RB1#0	-39.65	-13	-26.65	Pass
3465.00	V	20 MHz	RB1#0	-34.66	-13	-21.66	Pass
5197.50	V	20 MHz	RB1#0	-37.98	-13	-24.98	Pass
6930.00	V	20 MHz	RB1#0	-38.98	-13	-25.98	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 BAND 5 link

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

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND5		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
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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:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND5		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
274.02	H	1.4 MHz	RB1#0	-43.13	-13	-30.13	Pass
1673.00	H	1.4 MHz	RB1#0	-27.19	-13	-14.19	Pass
2509.50	H	1.4 MHz	RB1#0	-35.13	-13	-22.13	Pass
3346.00	H	1.4 MHz	RB1#0	-40.88	-13	-27.88	Pass
373.74	V	1.4 MHz	RB1#0	-42.51	-13	-29.51	Pass
1673.00	V	1.4 MHz	RB1#0	-29.87	-13	-16.87	Pass
2509.50	V	1.4 MHz	RB1#0	-33.68	-13	-20.68	Pass
3346.00	V	1.4 MHz	RB1#0	-38.75	-13	-25.75	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND5		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
272.14	H	3 MHz	RB1#0	-40.89	-13	-27.89	Pass
1673.00	H	3 MHz	RB1#0	-33.91	-13	-20.91	Pass
2509.50	H	3 MHz	RB1#0	-33.18	-13	-20.18	Pass
3346.00	H	3 MHz	RB1#0	-37.22	-13	-24.22	Pass
373.48	V	3 MHz	RB1#0	-43.82	-13	-30.82	Pass
1673.00	V	3 MHz	RB1#0	-31.19	-13	-18.19	Pass
2509.50	V	3 MHz	RB1#0	-35.42	-13	-22.42	Pass
3346.00	V	3 MHz	RB1#0	-37.88	-13	-24.88	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND5		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
278.09	H	5 MHz	RB1#0	-41.21	-13	-28.21	Pass
1673.00	H	5 MHz	RB1#0	-32.50	-13	-19.5	Pass
2509.50	H	5 MHz	RB1#0	-35.13	-13	-22.13	Pass
3346.00	H	5 MHz	RB1#0	-37.48	-13	-24.48	Pass
276.68	V	5 MHz	RB1#0	-39.37	-13	-26.37	Pass
1673.00	V	5 MHz	RB1#0	-29.32	-13	-16.32	Pass
2509.50	V	5 MHz	RB1#0	-35.71	-13	-22.71	Pass
3346.00	V	5 MHz	RB1#0	-40.01	-13	-27.01	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND5		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
275.68	H	10 MHz	RB1#0	-43.60	-13	-30.60	Pass
1673.00	H	10 MHz	RB1#0	-27.18	-13	-14.18	Pass
2509.50	H	10 MHz	RB1#0	-37.86	-13	-24.86	Pass
3346.00	H	10 MHz	RB1#0	-40.30	-13	-27.3	Pass
278.38	V	10 MHz	RB1#0	-41.00	-13	-28.00	Pass
1673.00	V	10 MHz	RB1#0	-28.34	-13	-15.34	Pass
2509.50	V	10 MHz	RB1#0	-37.03	-13	-24.03	Pass
3346.00	V	10 MHz	RB1#0	-41.26	-13	-28.26	Pass

For LTE BAND12 link

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

Temperature:	24℃	Test By:	KK
Humidity:	53 %		
Test Band:	LTE BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
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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 BAND12		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
396.04	H	1.4 MHz	RB1#0	-40.84	-13	-27.84	Pass
1415.00	H	1.4 MHz	RB1#0	-31.24	-13	-18.24	Pass
2122.50	H	1.4 MHz	RB1#0	-37.70	-13	-24.7	Pass
2830.00	H	1.4 MHz	RB1#0	-39.16	-13	-26.16	Pass
395.70	V	1.4 MHz	RB1#0	-38.58	-13	-25.58	Pass
1415.00	V	1.4 MHz	RB1#0	-34.38	-13	-21.38	Pass
2122.50	V	1.4 MHz	RB1#0	-33.67	-13	-20.67	Pass
2830.00	V	1.4 MHz	RB1#0	-40.83	-13	-27.83	Pass

Temperature:	24℃	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
286.41	H	3 MHz	RB1#0	-41.55	-13	-28.55	Pass
1415.00	H	3 MHz	RB1#0	-29.49	-13	-16.49	Pass
2122.50	H	3 MHz	RB1#0	-35.70	-13	-22.7	Pass
2830.00	H	3 MHz	RB1#0	-37.82	-13	-24.82	Pass
288.49	V	3 MHz	RB1#0	-39.61	-13	-26.61	Pass
1415.00	V	3 MHz	RB1#0	-27.52	-13	-14.52	Pass
2122.50	V	3 MHz	RB1#0	-33.49	-13	-20.49	Pass
2830.00	V	3 MHz	RB1#0	-41.00	-13	-28.00	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℃	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
327.53	H	5 MHz	RB1#0	-43.41	-13	-30.41	Pass
1415.00	H	5 MHz	RB1#0	-31.20	-13	-18.20	Pass
2122.50	H	5 MHz	RB1#0	-34.91	-13	-21.91	Pass
2830.00	H	5 MHz	RB1#0	-38.14	-13	-25.14	Pass
326.39	V	5 MHz	RB1#0	-41.26	-13	-28.26	Pass
1415.00	V	5 MHz	RB1#0	-30.44	-13	-17.44	Pass
2122.50	V	5 MHz	RB1#0	-37.16	-13	-24.16	Pass
2830.00	V	5 MHz	RB1#0	-40.69	-13	-27.69	Pass

Temperature:	24℃	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
277.64	H	10 MHz	RB1#0	-43.94	-13	-30.94	Pass
1415.00	H	10 MHz	RB1#0	-29.87	-13	-16.87	Pass
2122.50	H	10 MHz	RB1#0	-37.44	-13	-24.44	Pass
2830.00	H	10 MHz	RB1#0	-41.11	-13	-28.11	Pass
276.09	V	10 MHz	RB1#0	-40.91	-13	-27.91	Pass
1415.00	V	10 MHz	RB1#0	-30.85	-13	-17.85	Pass
2122.50	V	10 MHz	RB1#0	-35.84	-13	-22.84	Pass
2830.00	V	10 MHz	RB1#0	-37.69	-13	-24.69	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 BAND 13 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
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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
286.95	H	5 MHz	RB1#0	-45.85	-13	-32.85	Pass
1564.00	H	5 MHz	RB1#0	-34.57	-13	-21.57	Pass
2346.00	H	5 MHz	RB1#0	-34.99	-13	-21.99	Pass
3128.00	H	5 MHz	RB1#0	-38.78	-13	-25.78	Pass
287.07	V	5 MHz	RB1#0	-42.60	-13	-29.60	Pass
1564.00	V	5 MHz	RB1#0	-29.37	-13	-16.37	Pass
2346.00	V	5 MHz	RB1#0	-33.36	-13	-20.36	Pass
3128.00	V	5 MHz	RB1#0	-41.81	-13	-28.81	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
263.06	H	10 MHz	RB1#0	-47.20	-13	-34.20	Pass
1564.00	H	10 MHz	RB1#0	-33.01	-13	-20.01	Pass
2346.00	H	10 MHz	RB1#0	-35.69	-13	-22.69	Pass
3128.00	H	10 MHz	RB1#0	-41.90	-13	-28.9	Pass
262.37	V	10 MHz	RB1#0	-40.44	-13	-27.44	Pass
1564.00	V	10 MHz	RB1#0	-33.10	-13	-20.1	Pass
2346.00	V	10 MHz	RB1#0	-34.67	-13	-21.67	Pass
3128.00	V	10 MHz	RB1#0	-38.26	-13	-25.26	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 BAND 14 link

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

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND14		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
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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 BAND14		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
353.86	H	5 MHz	RB1#0	-40.72	-13	-27.72	Pass
1586.00	H	5 MHz	RB1#0	-45.43	-40	-5.43	Pass
2379.00	H	5 MHz	RB1#0	-42.26	-13	-29.26	Pass
3172.00	H	5 MHz	RB1#0	-47.52	-13	-34.52	Pass
353.05	V	5 MHz	RB1#0	-38.02	-13	-25.02	Pass
1586.00	V	5 MHz	RB1#0	-46.77	-40	-6.77	Pass
2379.00	V	5 MHz	RB1#0	-43.48	-13	-30.48	Pass
3172.00	V	5 MHz	RB1#0	-49.61	-13	-36.61	Pass

Temperature:	24℃	Test By:	KK
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND14		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
386.67	H	10 MHz	RB1#0	-37.64	-13	-24.64	Pass
1586.00	H	10 MHz	RB1#0	-46.41	-40	-6.41	Pass
2379.00	H	10 MHz	RB1#0	-43.43	-13	-30.43	Pass
3172.00	H	10 MHz	RB1#0	-49.50	-13	-36.50	Pass
387.16	V	10 MHz	RB1#0	-37.21	-13	-24.21	Pass
1586.00	V	10 MHz	RB1#0	-47.41	-40	-7.41	Pass
2379.00	V	10 MHz	RB1#0	-43.04	-13	-30.04	Pass
3172.00	V	10 MHz	RB1#0	-48.01	-13	-35.01	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 BAND 66 link

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

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
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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:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
359.07	H	1.4 MHz	RB1#0	-39.42	-13	-26.42	Pass
3490.00	H	1.4 MHz	RB1#0	-32.38	-13	-19.38	Pass
5235.00	H	1.4 MHz	RB1#0	-35.64	-13	-22.64	Pass
6980.00	H	1.4 MHz	RB1#0	-40.01	-13	-27.01	Pass
358.03	V	1.4 MHz	RB1#0	-36.00	-13	-23.00	Pass
3490.00	V	1.4 MHz	RB1#0	-30.28	-13	-17.28	Pass
5235.00	V	1.4 MHz	RB1#0	-34.29	-13	-21.29	Pass
6980.00	V	1.4 MHz	RB1#0	-38.26	-13	-25.26	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
288.66	H	3 MHz	RB1#0	-37.40	-13	-24.40	Pass
3490.00	H	3 MHz	RB1#0	-34.58	-13	-21.58	Pass
5235.00	H	3 MHz	RB1#0	-33.29	-13	-20.29	Pass
6980.00	H	3 MHz	RB1#0	-37.34	-13	-24.34	Pass
288.90	V	3 MHz	RB1#0	-40.00	-13	-27.00	Pass
3490.00	V	3 MHz	RB1#0	-30.34	-13	-17.34	Pass
5235.00	V	3 MHz	RB1#0	-34.03	-13	-21.03	Pass
6980.00	V	3 MHz	RB1#0	-37.16	-13	-24.16	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
297.09	H	5 MHz	RB1#0	-36.50	-13	-23.50	Pass
3490.00	H	5 MHz	RB1#0	-28.66	-13	-15.66	Pass
5235.00	H	5 MHz	RB1#0	-33.74	-13	-20.74	Pass
6980.00	H	5 MHz	RB1#0	-39.23	-13	-26.23	Pass
295.16	V	5 MHz	RB1#0	-36.57	-13	-23.57	Pass
3490.00	V	5 MHz	RB1#0	-30.79	-13	-17.79	Pass
5235.00	V	5 MHz	RB1#0	-35.65	-13	-22.65	Pass
6980.00	V	5 MHz	RB1#0	-39.18	-13	-26.18	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
409.72	H	10 MHz	RB1#0	-43.83	-13	-30.83	Pass
3490.00	H	10 MHz	RB1#0	-27.59	-13	-14.59	Pass
5235.00	H	10 MHz	RB1#0	-34.02	-13	-21.02	Pass
6980.00	H	10 MHz	RB1#0	-41.38	-13	-28.38	Pass
409.57	V	10 MHz	RB1#0	-37.48	-13	-24.48	Pass
3490.00	V	10 MHz	RB1#0	-34.90	-13	-21.9	Pass
5235.00	V	10 MHz	RB1#0	-33.46	-13	-20.46	Pass
6980.00	V	10 MHz	RB1#0	-39.27	-13	-26.27	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
323.19	H	15 MHz	RB1#0	-38.86	-13	-25.86	Pass
3490.00	H	15 MHz	RB1#0	-34.19	-13	-21.19	Pass
5235.00	H	15 MHz	RB1#0	-37.51	-13	-24.51	Pass
6980.00	H	15 MHz	RB1#0	-38.43	-13	-25.43	Pass
322.47	V	15 MHz	RB1#0	-41.43	-13	-28.43	Pass
3490.00	V	15 MHz	RB1#0	-32.18	-13	-19.18	Pass
5235.00	V	15 MHz	RB1#0	-33.01	-13	-20.01	Pass
6980.00	V	15 MHz	RB1#0	-37.20	-13	-24.20	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND66		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
309.44	H	20 MHz	RB1#0	-46.93	-13	-33.93	Pass
3490.00	H	20 MHz	RB1#0	-27.03	-13	-14.03	Pass
5235.00	H	20 MHz	RB1#0	-36.93	-13	-23.93	Pass
6980.00	H	20 MHz	RB1#0	-37.49	-13	-24.49	Pass
307.87	V	20 MHz	RB1#0	-41.19	-13	-28.19	Pass
3490.00	V	20 MHz	RB1#0	-33.27	-13	-20.27	Pass
5235.00	V	20 MHz	RB1#0	-36.81	-13	-23.81	Pass
6980.00	V	20 MHz	RB1#0	-39.99	-13	-26.99	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 BAND 71 link

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

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND71		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
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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:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND71		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
353.35	H	5 MHz	RB1#0	-36.05	-13	-23.05	Pass
1361.00	H	5 MHz	RB1#0	-32.10	-13	-19.1	Pass
2041.50	H	5 MHz	RB1#0	-33.90	-13	-20.9	Pass
2722.00	H	5 MHz	RB1#0	-37.16	-13	-24.16	Pass
350.07	V	5 MHz	RB1#0	-38.43	-13	-25.43	Pass
1361.00	V	5 MHz	RB1#0	-32.99	-13	-19.99	Pass
2041.50	V	5 MHz	RB1#0	-36.09	-13	-23.09	Pass
2722.00	V	5 MHz	RB1#0	-37.75	-13	-24.75	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND71		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
241.12	H	10 MHz	RB1#0	-42.34	-13	-29.34	Pass
1361.00	H	10 MHz	RB1#0	-27.17	-13	-14.17	Pass
2041.50	H	10 MHz	RB1#0	-35.83	-13	-22.83	Pass
2722.00	H	10 MHz	RB1#0	-38.91	-13	-25.91	Pass
209.63	V	10 MHz	RB1#0	-40.68	-13	-27.68	Pass
1361.00	V	10 MHz	RB1#0	-30.51	-13	-17.51	Pass
2041.50	V	10 MHz	RB1#0	-33.98	-13	-20.98	Pass
2722.00	V	10 MHz	RB1#0	-37.81	-13	-24.81	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND71		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
240.00	H	15 MHz	RB1#0	-45.17	-13	-32.17	Pass
1361.00	H	15 MHz	RB1#0	-31.61	-13	-18.61	Pass
2041.50	H	15 MHz	RB1#0	-37.86	-13	-24.86	Pass
2722.00	H	15 MHz	RB1#0	-37.57	-13	-24.57	Pass
209.60	V	15 MHz	RB1#0	-43.51	-13	-30.51	Pass
1361.00	V	15 MHz	RB1#0	-29.68	-13	-16.68	Pass
2041.50	V	15 MHz	RB1#0	-35.01	-13	-22.01	Pass
2722.00	V	15 MHz	RB1#0	-41.06	-13	-28.06	Pass

Temperature:	24℃	Test By:	XW
Humidity:	53 %	Test Mode:	QPSK/ Middle Channel
Test Band:	LTE BAND71		

Freq. (MHz)	H/V	Bandwidth (MHz)	Test RB	Emission Level(dBm)	Limit (dBm)	Margin (dBm)	Verdict
290.03	H	5 MHz	RB1#0	-40.64	-13	-27.64	Pass
1366.00	H	20 MHz	RB1#0	-31.53	-13	-18.53	Pass
2049.00	H	20 MHz	RB1#0	-33.09	-13	-20.09	Pass
2732.00	H	20 MHz	RB1#0	-39.83	-13	-26.83	Pass
287.47	V	5 MHz	RB1#0	-41.79	-13	-28.79	Pass
1366.00	V	20 MHz	RB1#0	-32.20	-13	-19.2	Pass
2049.00	V	20 MHz	RB1#0	-36.63	-13	-23.63	Pass
2732.00	V	20 MHz	RB1#0	-41.43	-13	-28.43	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 H: TEST DATA FOR FREQUENCY STABILITY

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

Band 2

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.12	0.001686	± 2.5	PASS
		VN	TN	-0.53	-0.000286	± 2.5	PASS
		VH	TN	4.79	0.002588	± 2.5	PASS
	MCH	VL	TN	-1.81	-0.000963	± 2.5	PASS
		VN	TN	-0.9	-0.000479	± 2.5	PASS
		VH	TN	1.86	0.000989	± 2.5	PASS
	HCH	VL	TN	1.9	0.000995	± 2.5	PASS
		VN	TN	-0.5	-0.000262	± 2.5	PASS
		VH	TN	3.2	0.001676	± 2.5	PASS
16QAM	LCH	VL	TN	1.06	0.000573	± 2.5	PASS
		VN	TN	-1.53	-0.000827	± 2.5	PASS
		VH	TN	0.68	0.000367	± 2.5	PASS
	MCH	VL	TN	4.52	0.002404	± 2.5	PASS
		VN	TN	-0.08	-0.000043	± 2.5	PASS
		VH	TN	4.97	0.002644	± 2.5	PASS
	HCH	VL	TN	0.84	0.000440	± 2.5	PASS
		VN	TN	-0.6	-0.000314	± 2.5	PASS
		VH	TN	-1.3	-0.000681	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.24	0.000130	± 2.5	PASS
		VN	-20	-0.44	-0.000238	± 2.5	PASS
		VN	-10	-0.21	-0.000113	± 2.5	PASS
		VN	0	3.88	0.002097	± 2.5	PASS
		VN	10	-0.75	-0.000405	± 2.5	PASS
		VN	20	0.3	0.000162	± 2.5	PASS
		VN	30	-1.47	-0.000794	± 2.5	PASS
		VN	40	3.52	0.001902	± 2.5	PASS
		VN	50	-0.77	-0.000416	± 2.5	PASS
	MCH	VN	-30	-0.37	-0.000197	± 2.5	PASS
		VN	-20	-0.4	-0.000213	± 2.5	PASS
		VN	-10	0.98	0.000521	± 2.5	PASS
		VN	0	0.24	0.000128	± 2.5	PASS
		VN	10	3.8	0.002021	± 2.5	PASS
		VN	20	1.44	0.000766	± 2.5	PASS
		VN	30	0.61	0.000324	± 2.5	PASS
		VN	40	1.15	0.000612	± 2.5	PASS
		VN	50	-0.8	-0.000426	± 2.5	PASS
	HCH	VN	-30	4.25	0.002226	± 2.5	PASS
		VN	-20	2.55	0.001336	± 2.5	PASS

		VN	-10	-1.3	-0.000681	± 2.5	PASS
		VN	0	2.32	0.001215	± 2.5	PASS
		VN	10	-0.53	-0.000278	± 2.5	PASS
		VN	20	-0.86	-0.000450	± 2.5	PASS
		VN	30	4.6	0.002409	± 2.5	PASS
		VN	40	0.37	0.000194	± 2.5	PASS
		VN	50	1.59	0.000833	± 2.5	PASS
16QAM	LCH	VN	-30	-0.23	-0.000124	± 2.5	PASS
		VN	-20	-1.38	-0.000746	± 2.5	PASS
		VN	-10	-0.97	-0.000524	± 2.5	PASS
		VN	0	4.77	0.002577	± 2.5	PASS
		VN	10	-1.18	-0.000638	± 2.5	PASS
		VN	20	3.12	0.001686	± 2.5	PASS
		VN	30	4.09	0.002210	± 2.5	PASS
		VN	40	4.38	0.002367	± 2.5	PASS
		VN	50	0.68	0.000367	± 2.5	PASS
	MCH	VN	-30	4.62	0.002457	± 2.5	PASS
		VN	-20	-0.68	-0.000362	± 2.5	PASS
		VN	-10	2.26	0.001202	± 2.5	PASS
		VN	0	4.45	0.002367	± 2.5	PASS
		VN	10	1.36	0.000723	± 2.5	PASS
		VN	20	3.84	0.002043	± 2.5	PASS
		VN	30	2.47	0.001314	± 2.5	PASS
		VN	40	3.31	0.001761	± 2.5	PASS
		VN	50	2.75	0.001463	± 2.5	PASS
	HCH	VN	-30	0.63	0.000330	± 2.5	PASS
		VN	-20	2.9	0.001519	± 2.5	PASS
		VN	-10	0.68	0.000356	± 2.5	PASS
		VN	0	3.23	0.001692	± 2.5	PASS
		VN	10	-1.72	-0.000901	± 2.5	PASS
		VN	20	-1.74	-0.000911	± 2.5	PASS
		VN	30	1.43	0.000749	± 2.5	PASS
		VN	40	3.31	0.001734	± 2.5	PASS
		VN	50	3.82	0.002001	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.32	0.000713	± 2.5	PASS
		VN	TN	-0.04	-0.000022	± 2.5	PASS
		VH	TN	4.69	0.002533	± 2.5	PASS
	MCH	VL	TN	3.32	0.001766	± 2.5	PASS
		VN	TN	4.28	0.002277	± 2.5	PASS
		VH	TN	-0.46	-0.000245	± 2.5	PASS
	HCH	VL	TN	4.73	0.002478	± 2.5	PASS
		VN	TN	3.14	0.001645	± 2.5	PASS
		VH	TN	1.3	0.000681	± 2.5	PASS

16QAM	LCH	VL	TN	-1.36	-0.000735	± 2.5	PASS
		VN	TN	3.23	0.001745	± 2.5	PASS
		VH	TN	-1.22	-0.000659	± 2.5	PASS
	MCH	VL	TN	3.2	0.001702	± 2.5	PASS
		VN	TN	-0.85	-0.000452	± 2.5	PASS
		VH	TN	-0.24	-0.000128	± 2.5	PASS
	HCH	VL	TN	-0.48	-0.000252	± 2.5	PASS
		VN	TN	0.31	0.000162	± 2.5	PASS
		VH	TN	3.02	0.001582	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.95	0.002133	± 2.5	PASS
		VN	-20	2.87	0.001550	± 2.5	PASS
		VN	-10	0.2	0.000108	± 2.5	PASS
		VN	0	3.46	0.001869	± 2.5	PASS
		VN	10	0.51	0.000275	± 2.5	PASS
		VN	20	-1.24	-0.000670	± 2.5	PASS
		VN	30	-0.6	-0.000324	± 2.5	PASS
		VN	40	1.02	0.000551	± 2.5	PASS
		VN	50	-0.09	-0.000049	± 2.5	PASS
	MCH	VN	-30	1.17	0.000622	± 2.5	PASS
		VN	-20	0.25	0.000133	± 2.5	PASS
		VN	-10	2.83	0.001505	± 2.5	PASS
		VN	0	4.55	0.002420	± 2.5	PASS
		VN	10	3.47	0.001846	± 2.5	PASS
		VN	20	2.47	0.001314	± 2.5	PASS
		VN	30	4.11	0.002186	± 2.5	PASS
		VN	40	2.42	0.001287	± 2.5	PASS
		VN	50	-0.91	-0.000484	± 2.5	PASS
	HCH	VN	-30	1.68	0.000880	± 2.5	PASS
		VN	-20	1.53	0.000802	± 2.5	PASS
		VN	-10	4.56	0.002389	± 2.5	PASS
		VN	0	1.32	0.000692	± 2.5	PASS
		VN	10	1.22	0.000639	± 2.5	PASS
		VN	20	1.4	0.000734	± 2.5	PASS
		VN	30	-0.11	-0.000058	± 2.5	PASS
		VN	40	4.62	0.002421	± 2.5	PASS
		VN	50	4.83	0.002531	± 2.5	PASS
16QAM	LCH	VN	-30	-0.26	-0.000140	± 2.5	PASS
		VN	-20	0.86	0.000464	± 2.5	PASS
		VN	-10	1.61	0.000870	± 2.5	PASS
		VN	0	1.41	0.000762	± 2.5	PASS
		VN	10	-1.25	-0.000675	± 2.5	PASS
		VN	20	3.7	0.001998	± 2.5	PASS
		VN	30	4.03	0.002177	± 2.5	PASS
		VN	40	-1.74	-0.000940	± 2.5	PASS
		VN	50	-0.32	-0.000173	± 2.5	PASS
	MCH	VN	-30	1.42	0.000755	± 2.5	PASS

		VN	-20	-0.44	-0.000234	± 2.5	PASS
		VN	-10	3.12	0.001660	± 2.5	PASS
		VN	0	4.97	0.002644	± 2.5	PASS
		VN	10	-1.81	-0.000963	± 2.5	PASS
		VN	20	3.04	0.001617	± 2.5	PASS
		VN	30	2.55	0.001356	± 2.5	PASS
		VN	40	4.98	0.002649	± 2.5	PASS
		VN	50	2.94	0.001564	± 2.5	PASS
	HCH	VN	-30	-0.8	-0.000419	± 2.5	PASS
		VN	-20	4.69	0.002457	± 2.5	PASS
		VN	-10	-0.27	-0.000141	± 2.5	PASS
		VN	0	1.22	0.000639	± 2.5	PASS
		VN	10	-0.26	-0.000136	± 2.5	PASS
		VN	20	2.67	0.001399	± 2.5	PASS
		VN	30	3.43	0.001797	± 2.5	PASS
		VN	40	-1.08	-0.000566	± 2.5	PASS
		VN	50	-0.53	-0.000278	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.59	0.000858	± 2.5	PASS
		VN	TN	4.16	0.002246	± 2.5	PASS
		VH	TN	-0.75	-0.000405	± 2.5	PASS
	MCH	VL	TN	1.08	0.000574	± 2.5	PASS
		VN	TN	1.17	0.000622	± 2.5	PASS
		VH	TN	4.51	0.002399	± 2.5	PASS
	HCH	VL	TN	1.03	0.000540	± 2.5	PASS
		VN	TN	0.11	0.000058	± 2.5	PASS
		VH	TN	2.73	0.001431	± 2.5	PASS
16QAM	LCH	VL	TN	1.54	0.000831	± 2.5	PASS
		VN	TN	0.22	0.000119	± 2.5	PASS
		VH	TN	1.13	0.000610	± 2.5	PASS
	MCH	VL	TN	0.83	0.000441	± 2.5	PASS
		VN	TN	2.67	0.001420	± 2.5	PASS
		VH	TN	2.34	0.001245	± 2.5	PASS
	HCH	VL	TN	-0.49	-0.000257	± 2.5	PASS
		VN	TN	2.86	0.001499	± 2.5	PASS
		VH	TN	2.7	0.001415	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.96	0.001598	± 2.5	PASS
		VN	-20	3.52	0.001900	± 2.5	PASS
		VN	-10	4.98	0.002688	± 2.5	PASS
		VN	0	2.36	0.001274	± 2.5	PASS
		VN	10	-0.97	-0.000524	± 2.5	PASS

		VN	20	3.44	0.001857	± 2.5	PASS
		VN	30	3.71	0.002003	± 2.5	PASS
		VN	40	1.48	0.000799	± 2.5	PASS
		VN	50	1.1	0.000594	± 2.5	PASS
	MCH	VN	-30	3.38	0.001798	± 2.5	PASS
		VN	-20	2.05	0.001090	± 2.5	PASS
		VN	-10	2.31	0.001229	± 2.5	PASS
		VN	0	4.8	0.002553	± 2.5	PASS
		VN	10	1.09	0.000580	± 2.5	PASS
		VN	20	-0.96	-0.000511	± 2.5	PASS
		VN	30	0.65	0.000346	± 2.5	PASS
		VN	40	4.84	0.002574	± 2.5	PASS
		VN	50	-1.9	-0.001011	± 2.5	PASS
	HCH	VN	-30	-1.08	-0.000566	± 2.5	PASS
		VN	-20	2.6	0.001363	± 2.5	PASS
		VN	-10	1.36	0.000713	± 2.5	PASS
		VN	0	3.89	0.002039	± 2.5	PASS
		VN	10	1.7	0.000891	± 2.5	PASS
		VN	20	-0.67	-0.000351	± 2.5	PASS
		VN	30	0.06	0.000031	± 2.5	PASS
		VN	40	2.05	0.001075	± 2.5	PASS
		VN	50	3.17	0.001662	± 2.5	PASS
16QAM	LCH	VN	-30	0.28	0.000151	± 2.5	PASS
		VN	-20	-1.66	-0.000896	± 2.5	PASS
		VN	-10	-0.96	-0.000518	± 2.5	PASS
		VN	0	1.56	0.000842	± 2.5	PASS
		VN	10	2.2	0.001188	± 2.5	PASS
		VN	20	3.57	0.001927	± 2.5	PASS
		VN	30	4.01	0.002165	± 2.5	PASS
		VN	40	-1.32	-0.000713	± 2.5	PASS
		VN	50	-1.71	-0.000923	± 2.5	PASS
	MCH	VN	-30	2.3	0.001223	± 2.5	PASS
		VN	-20	-1.79	-0.000952	± 2.5	PASS
		VN	-10	3.58	0.001904	± 2.5	PASS
		VN	0	3.89	0.002069	± 2.5	PASS
		VN	10	-0.49	-0.000261	± 2.5	PASS
		VN	20	3.42	0.001819	± 2.5	PASS
		VN	30	-1.99	-0.001059	± 2.5	PASS
		VN	40	2.93	0.001559	± 2.5	PASS
		VN	50	-1.27	-0.000676	± 2.5	PASS
	HCH	VN	-30	-1.3	-0.000682	± 2.5	PASS
		VN	-20	2.05	0.001075	± 2.5	PASS
		VN	-10	0.34	0.000178	± 2.5	PASS
		VN	0	-1.12	-0.000587	± 2.5	PASS
		VN	10	-1.39	-0.000729	± 2.5	PASS
		VN	20	-0.57	-0.000299	± 2.5	PASS
		VN	30	0.97	0.000509	± 2.5	PASS
		VN	40	4.24	0.002223	± 2.5	PASS
		VN	50	4.86	0.002548	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.11	-0.000598	± 2.5	PASS
		VN	TN	0.99	0.000534	± 2.5	PASS
		VH	TN	-0.91	-0.000491	± 2.5	PASS
	MCH	VL	TN	4.36	0.002319	± 2.5	PASS
		VN	TN	-0.62	-0.000330	± 2.5	PASS
		VH	TN	0.38	0.000202	± 2.5	PASS
	HCH	VL	TN	1.71	0.000898	± 2.5	PASS
		VN	TN	0.61	0.000320	± 2.5	PASS
		VH	TN	4.8	0.002520	± 2.5	PASS
16QAM	LCH	VL	TN	3.13	0.001687	± 2.5	PASS
		VN	TN	-1.61	-0.000868	± 2.5	PASS
		VH	TN	4.72	0.002544	± 2.5	PASS
	MCH	VL	TN	3.13	0.001665	± 2.5	PASS
		VN	TN	1.9	0.001011	± 2.5	PASS
		VH	TN	4.77	0.002537	± 2.5	PASS
	HCH	VL	TN	-0.58	-0.000304	± 2.5	PASS
		VN	TN	1.95	0.001024	± 2.5	PASS
		VH	TN	-0.32	-0.000168	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.64	0.002501	± 2.5	PASS
		VN	-20	-0.28	-0.000151	± 2.5	PASS
		VN	-10	1.77	0.000954	± 2.5	PASS
		VN	0	2.34	0.001261	± 2.5	PASS
		VN	10	3.7	0.001995	± 2.5	PASS
		VN	20	1.81	0.000976	± 2.5	PASS
		VN	30	-1.28	-0.000690	± 2.5	PASS
		VN	40	3.08	0.001660	± 2.5	PASS
		VN	50	2.48	0.001337	± 2.5	PASS
	MCH	VN	-30	4.92	0.002617	± 2.5	PASS
		VN	-20	2.47	0.001314	± 2.5	PASS
		VN	-10	3.85	0.002048	± 2.5	PASS
		VN	0	1.99	0.001059	± 2.5	PASS
		VN	10	1.49	0.000793	± 2.5	PASS
		VN	20	0.98	0.000521	± 2.5	PASS
		VN	30	1.44	0.000766	± 2.5	PASS
		VN	40	2.21	0.001176	± 2.5	PASS
		VN	50	3.59	0.001910	± 2.5	PASS
	HCH	VN	-30	0.74	0.000388	± 2.5	PASS
		VN	-20	-0.64	-0.000336	± 2.5	PASS
		VN	-10	1.97	0.001034	± 2.5	PASS
		VN	0	1.77	0.000929	± 2.5	PASS

		VN	10	4.51	0.002367	± 2.5	PASS
		VN	20	-1.49	-0.000782	± 2.5	PASS
		VN	30	3.47	0.001822	± 2.5	PASS
		VN	40	1.27	0.000667	± 2.5	PASS
		VN	50	2.41	0.001265	± 2.5	PASS
16QAM	LCH	VN	-30	2.64	0.001423	± 2.5	PASS
		VN	-20	2.72	0.001466	± 2.5	PASS
		VN	-10	0.28	0.000151	± 2.5	PASS
		VN	0	-1.09	-0.000588	± 2.5	PASS
		VN	10	-0.17	-0.000092	± 2.5	PASS
		VN	20	-1.11	-0.000598	± 2.5	PASS
		VN	30	4.79	0.002582	± 2.5	PASS
		VN	40	-1.4	-0.000755	± 2.5	PASS
		VN	50	4.81	0.002593	± 2.5	PASS
	MCH	VN	-30	2.8	0.001489	± 2.5	PASS
		VN	-20	0.15	0.000080	± 2.5	PASS
		VN	-10	2.25	0.001197	± 2.5	PASS
		VN	0	-1.53	-0.000814	± 2.5	PASS
		VN	10	2.09	0.001112	± 2.5	PASS
		VN	20	0.76	0.000404	± 2.5	PASS
		VN	30	-1.34	-0.000713	± 2.5	PASS
		VN	40	-0.54	-0.000287	± 2.5	PASS
		VN	50	-1	-0.000532	± 2.5	PASS
	HCH	VN	-30	-1.82	-0.000955	± 2.5	PASS
		VN	-20	0.88	0.000462	± 2.5	PASS
		VN	-10	2.26	0.001186	± 2.5	PASS
		VN	0	-0.81	-0.000425	± 2.5	PASS
		VN	10	-1.24	-0.000651	± 2.5	PASS
		VN	20	2.9	0.001522	± 2.5	PASS
		VN	30	1.88	0.000987	± 2.5	PASS
		VN	40	4.81	0.002525	± 2.5	PASS
		VN	50	3.06	0.001606	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.17	0.000630	± 2.5	PASS
		VN	TN	1.99	0.001071	± 2.5	PASS
		VH	TN	1.22	0.000657	± 2.5	PASS
	MCH	VL	TN	0.89	0.000473	± 2.5	PASS
		VN	TN	2.91	0.001548	± 2.5	PASS
		VH	TN	0.76	0.000404	± 2.5	PASS
	HCH	VL	TN	3.69	0.001940	± 2.5	PASS
		VN	TN	0.6	0.000315	± 2.5	PASS
		VH	TN	1.15	0.000604	± 2.5	PASS
16QAM	LCH	VL	TN	4.63	0.002493	± 2.5	PASS
		VN	TN	-1.25	-0.000673	± 2.5	PASS

		VH	TN	1.46	0.000786	± 2.5	PASS
	MCH	VL	TN	4.52	0.002404	± 2.5	PASS
		VN	TN	3.11	0.001654	± 2.5	PASS
		VH	TN	-1.94	-0.001032	± 2.5	PASS
	HCH	VL	TN	3.52	0.001850	± 2.5	PASS
		VN	TN	2.85	0.001498	± 2.5	PASS
		VH	TN	-0.48	-0.000252	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.47	0.001868	± 2.5	PASS
		VN	-20	1.39	0.000748	± 2.5	PASS
		VN	-10	2.35	0.001265	± 2.5	PASS
		VN	0	4.22	0.002272	± 2.5	PASS
		VN	10	0.67	0.000361	± 2.5	PASS
		VN	20	1.71	0.000921	± 2.5	PASS
		VN	30	0.87	0.000468	± 2.5	PASS
		VN	40	-0.88	-0.000474	± 2.5	PASS
		VN	50	-1.98	-0.001066	± 2.5	PASS
	MCH	VN	-30	4.6	0.002447	± 2.5	PASS
		VN	-20	0.69	0.000367	± 2.5	PASS
		VN	-10	0.08	0.000043	± 2.5	PASS
		VN	0	4.84	0.002574	± 2.5	PASS
		VN	10	-1.29	-0.000686	± 2.5	PASS
		VN	20	3.2	0.001702	± 2.5	PASS
		VN	30	-0.17	-0.000090	± 2.5	PASS
		VN	40	-1.53	-0.000814	± 2.5	PASS
		VN	50	3.98	0.002117	± 2.5	PASS
	HCH	VN	-30	3.6	0.001892	± 2.5	PASS
		VN	-20	3.49	0.001834	± 2.5	PASS
		VN	-10	2.46	0.001293	± 2.5	PASS
		VN	0	4.85	0.002549	± 2.5	PASS
		VN	10	-1.13	-0.000594	± 2.5	PASS
		VN	20	2.24	0.001177	± 2.5	PASS
		VN	30	3.43	0.001803	± 2.5	PASS
		VN	40	3.77	0.001982	± 2.5	PASS
		VN	50	4.83	0.002539	± 2.5	PASS
16QAM	LCH	VN	-30	4.6	0.002476	± 2.5	PASS
		VN	-20	4.33	0.002331	± 2.5	PASS
		VN	-10	4.67	0.002514	± 2.5	PASS
		VN	0	-1.71	-0.000921	± 2.5	PASS
		VN	10	2.23	0.001201	± 2.5	PASS
		VN	20	0.29	0.000156	± 2.5	PASS
		VN	30	2.19	0.001179	± 2.5	PASS
		VN	40	-1.1	-0.000592	± 2.5	PASS
		VN	50	3.48	0.001873	± 2.5	PASS
	MCH	VN	-30	3.64	0.001936	± 2.5	PASS
		VN	-20	-1.95	-0.001037	± 2.5	PASS
		VN	-10	4.72	0.002511	± 2.5	PASS

		VN	0	3.83	0.002037	± 2.5	PASS
		VN	10	-1.59	-0.000846	± 2.5	PASS
		VN	20	2.01	0.001069	± 2.5	PASS
		VN	30	3.71	0.001973	± 2.5	PASS
		VN	40	3.45	0.001835	± 2.5	PASS
		VN	50	3.56	0.001894	± 2.5	PASS
	HCH	VN	-30	4.86	0.002555	± 2.5	PASS
		VN	-20	-1.51	-0.000794	± 2.5	PASS
		VN	-10	-1.29	-0.000678	± 2.5	PASS
		VN	0	0.43	0.000226	± 2.5	PASS
		VN	10	1.76	0.000925	± 2.5	PASS
		VN	20	-0.4	-0.000210	± 2.5	PASS
		VN	30	0.48	0.000252	± 2.5	PASS
		VN	40	3.72	0.001955	± 2.5	PASS
		VN	50	-0.54	-0.000284	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.79	0.000962	± 2.5	PASS
		VN	TN	1.89	0.001016	± 2.5	PASS
		VH	TN	1.35	0.000726	± 2.5	PASS
	MCH	VL	TN	-1.28	-0.000681	± 2.5	PASS
		VN	TN	0.09	0.000048	± 2.5	PASS
		VH	TN	0.06	0.000032	± 2.5	PASS
	HCH	VL	TN	4.49	0.002363	± 2.5	PASS
		VN	TN	4.65	0.002447	± 2.5	PASS
		VH	TN	-0.3	-0.000158	± 2.5	PASS
16QAM	LCH	VL	TN	-1.45	-0.000780	± 2.5	PASS
		VN	TN	-0.6	-0.000323	± 2.5	PASS
		VH	TN	4.12	0.002215	± 2.5	PASS
	MCH	VL	TN	0.25	0.000133	± 2.5	PASS
		VN	TN	4.08	0.002170	± 2.5	PASS
		VH	TN	0.07	0.000037	± 2.5	PASS
	HCH	VL	TN	0.94	0.000495	± 2.5	PASS
		VN	TN	2.22	0.001168	± 2.5	PASS
		VH	TN	-0.72	-0.000379	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.95	0.000511	± 2.5	PASS
		VN	-20	3.73	0.002005	± 2.5	PASS
		VN	-10	-0.07	-0.000038	± 2.5	PASS
		VN	0	1.41	0.000758	± 2.5	PASS
		VN	10	-0.63	-0.000339	± 2.5	PASS
		VN	20	3.18	0.001710	± 2.5	PASS
		VN	30	2.57	0.001382	± 2.5	PASS

		VN	40	-0.75	-0.000403	± 2.5	PASS
		VN	50	1.65	0.000887	± 2.5	PASS
	MCH	VN	-30	-1.74	-0.000926	± 2.5	PASS
		VN	-20	4.67	0.002484	± 2.5	PASS
		VN	-10	2.09	0.001112	± 2.5	PASS
		VN	0	3.68	0.001957	± 2.5	PASS
		VN	10	0.72	0.000383	± 2.5	PASS
		VN	20	2.87	0.001527	± 2.5	PASS
		VN	30	3.04	0.001617	± 2.5	PASS
		VN	40	1.45	0.000771	± 2.5	PASS
		VN	50	2.29	0.001218	± 2.5	PASS
	HCH	VN	-30	4.63	0.002437	± 2.5	PASS
		VN	-20	0.84	0.000442	± 2.5	PASS
		VN	-10	3.66	0.001926	± 2.5	PASS
		VN	0	1.21	0.000637	± 2.5	PASS
		VN	10	5	0.002632	± 2.5	PASS
		VN	20	1.3	0.000684	± 2.5	PASS
		VN	30	-0.49	-0.000258	± 2.5	PASS
		VN	40	1.08	0.000568	± 2.5	PASS
		VN	50	0.33	0.000174	± 2.5	PASS
16QAM	LCH	VN	-30	-0.3	-0.000161	± 2.5	PASS
		VN	-20	-0.49	-0.000263	± 2.5	PASS
		VN	-10	1.3	0.000699	± 2.5	PASS
		VN	0	1.23	0.000661	± 2.5	PASS
		VN	10	-1.18	-0.000634	± 2.5	PASS
		VN	20	1.11	0.000597	± 2.5	PASS
		VN	30	2.64	0.001419	± 2.5	PASS
		VN	40	3.75	0.002016	± 2.5	PASS
		VN	50	0.01	0.000005	± 2.5	PASS
	MCH	VN	-30	1.01	0.000537	± 2.5	PASS
		VN	-20	-0.54	-0.000287	± 2.5	PASS
		VN	-10	-1.45	-0.000771	± 2.5	PASS
		VN	0	3.97	0.002112	± 2.5	PASS
		VN	10	-1.23	-0.000654	± 2.5	PASS
		VN	20	2.63	0.001399	± 2.5	PASS
		VN	30	1.97	0.001048	± 2.5	PASS
		VN	40	-1.22	-0.000649	± 2.5	PASS
		VN	50	3.48	0.001851	± 2.5	PASS
	HCH	VN	-30	-0.28	-0.000147	± 2.5	PASS
		VN	-20	4.76	0.002505	± 2.5	PASS
		VN	-10	2.42	0.001274	± 2.5	PASS
		VN	0	2.61	0.001374	± 2.5	PASS
		VN	10	-0.72	-0.000379	± 2.5	PASS
		VN	20	3.3	0.001737	± 2.5	PASS
		VN	30	-1.78	-0.000937	± 2.5	PASS
		VN	40	2.94	0.001547	± 2.5	PASS
		VN	50	4.74	0.002495	± 2.5	PASS

Band 4

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.17	-0.000684	± 2.5	PASS
		VN	TN	-1.24	-0.000725	± 2.5	PASS
		VH	TN	3	0.001754	± 2.5	PASS
	MCH	VL	TN	2.03	0.001172	± 2.5	PASS
		VN	TN	3.37	0.001945	± 2.5	PASS
		VH	TN	3.14	0.001812	± 2.5	PASS
	HCH	VL	TN	1.16	0.000661	± 2.5	PASS
		VN	TN	4.97	0.002833	± 2.5	PASS
		VH	TN	3.77	0.002149	± 2.5	PASS
16QAM	LCH	VL	TN	-1.41	-0.000824	± 2.5	PASS
		VN	TN	-1.84	-0.001076	± 2.5	PASS
		VH	TN	1.9	0.001111	± 2.5	PASS
	MCH	VL	TN	4.45	0.002569	± 2.5	PASS
		VN	TN	-0.96	-0.000554	± 2.5	PASS
		VH	TN	2.86	0.001651	± 2.5	PASS
	HCH	VL	TN	3.85	0.002195	± 2.5	PASS
		VN	TN	4.99	0.002844	± 2.5	PASS
		VH	TN	2.12	0.001208	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.33	0.002531	± 2.5	PASS
		VN	-20	2.47	0.001444	± 2.5	PASS
		VN	-10	-0.59	-0.000345	± 2.5	PASS
		VN	0	-1.41	-0.000824	± 2.5	PASS
		VN	10	1.7	0.000994	± 2.5	PASS
		VN	20	2.52	0.001473	± 2.5	PASS
		VN	30	2.99	0.001748	± 2.5	PASS
		VN	40	-0.58	-0.000339	± 2.5	PASS
		VN	50	4.15	0.002426	± 2.5	PASS
	MCH	VN	-30	3.77	0.002176	± 2.5	PASS
		VN	-20	2.34	0.001351	± 2.5	PASS
		VN	-10	-0.79	-0.000456	± 2.5	PASS
		VN	0	-1.54	-0.000889	± 2.5	PASS
		VN	10	2.62	0.001512	± 2.5	PASS
		VN	20	3.36	0.001939	± 2.5	PASS
		VN	30	2.56	0.001478	± 2.5	PASS
		VN	40	-1.72	-0.000993	± 2.5	PASS
		VN	50	-0.53	-0.000306	± 2.5	PASS
	HCH	VN	-30	2.05	0.001169	± 2.5	PASS
		VN	-20	-1.89	-0.001077	± 2.5	PASS
		VN	-10	0.71	0.000405	± 2.5	PASS
		VN	0	3.39	0.001932	± 2.5	PASS

		VN	10	-1.84	-0.001049	± 2.5	PASS
		VN	20	2.32	0.001322	± 2.5	PASS
		VN	30	0.17	0.000097	± 2.5	PASS
		VN	40	3.72	0.002121	± 2.5	PASS
		VN	50	-1.34	-0.000764	± 2.5	PASS
16QAM	LCH	VN	-30	4.26	0.002490	± 2.5	PASS
		VN	-20	4.4	0.002572	± 2.5	PASS
		VN	-10	4.52	0.002642	± 2.5	PASS
		VN	0	0.34	0.000199	± 2.5	PASS
		VN	10	-1.83	-0.001070	± 2.5	PASS
		VN	20	3.27	0.001911	± 2.5	PASS
		VN	30	-0.76	-0.000444	± 2.5	PASS
		VN	40	1.55	0.000906	± 2.5	PASS
		VN	50	0.6	0.000351	± 2.5	PASS
	MCH	VN	-30	-1.34	-0.000764	± 2.5	PASS
		VN	-20	3.38	0.001927	± 2.5	PASS
		VN	-10	1.79	0.001020	± 2.5	PASS
		VN	0	4.17	0.002377	± 2.5	PASS
		VN	10	2.69	0.001533	± 2.5	PASS
		VN	20	1.87	0.001066	± 2.5	PASS
		VN	30	4.19	0.002388	± 2.5	PASS
		VN	40	3.43	0.001955	± 2.5	PASS
		VN	50	1.65	0.000941	± 2.5	PASS
	HCH	VN	-30	2.67	0.001522	± 2.5	PASS
		VN	-20	1.55	0.000884	± 2.5	PASS
		VN	-10	-1.95	-0.001112	± 2.5	PASS
		VN	0	-0.72	-0.000410	± 2.5	PASS
		VN	10	-0.43	-0.000245	± 2.5	PASS
		VN	20	3.18	0.001813	± 2.5	PASS
		VN	30	2.77	0.001579	± 2.5	PASS
		VN	40	-1.43	-0.000815	± 2.5	PASS
		VN	50	0.77	0.000439	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.19	0.000695	± 2.5	PASS
		VN	TN	3.04	0.001776	± 2.5	PASS
		VH	TN	2.69	0.001572	± 2.5	PASS
	MCH	VL	TN	2.74	0.001582	± 2.5	PASS
		VN	TN	2.73	0.001576	± 2.5	PASS
		VH	TN	4.82	0.002782	± 2.5	PASS
	HCH	VL	TN	2.47	0.001409	± 2.5	PASS
		VN	TN	2.08	0.001186	± 2.5	PASS
		VH	TN	-0.84	-0.000479	± 2.5	PASS
16QAM	LCH	VL	TN	-0.25	-0.000146	± 2.5	PASS
		VN	TN	-1.22	-0.000713	± 2.5	PASS

		VH	TN	3.36	0.001963	± 2.5	PASS
	MCH	VL	TN	-1.09	-0.000629	± 2.5	PASS
		VN	TN	-0.36	-0.000208	± 2.5	PASS
		VH	TN	-1.56	-0.000900	± 2.5	PASS
	HCH	VL	TN	-1.62	-0.000924	± 2.5	PASS
		VN	TN	3.75	0.002139	± 2.5	PASS
		VH	TN	4.23	0.002412	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.55	0.000321	± 2.5	PASS
		VN	-20	4.33	0.002530	± 2.5	PASS
		VN	-10	2.02	0.001180	± 2.5	PASS
		VN	0	1.88	0.001098	± 2.5	PASS
		VN	10	1.6	0.000935	± 2.5	PASS
		VN	20	0.79	0.000462	± 2.5	PASS
		VN	30	1.3	0.000760	± 2.5	PASS
		VN	40	3.08	0.001800	± 2.5	PASS
		VN	50	-0.34	-0.000199	± 2.5	PASS
	MCH	VN	-30	2.62	0.001512	± 2.5	PASS
		VN	-20	3.98	0.002297	± 2.5	PASS
		VN	-10	4.11	0.002372	± 2.5	PASS
		VN	0	0.93	0.000537	± 2.5	PASS
		VN	10	0.84	0.000485	± 2.5	PASS
		VN	20	-0.44	-0.000254	± 2.5	PASS
		VN	30	2.28	0.001316	± 2.5	PASS
		VN	40	2.62	0.001512	± 2.5	PASS
		VN	50	-0.11	-0.000063	± 2.5	PASS
	HCH	VN	-30	-0.2	-0.000114	± 2.5	PASS
		VN	-20	3.91	0.002230	± 2.5	PASS
		VN	-10	-0.78	-0.000445	± 2.5	PASS
		VN	0	2.48	0.001414	± 2.5	PASS
		VN	10	3.32	0.001893	± 2.5	PASS
		VN	20	3.11	0.001774	± 2.5	PASS
		VN	30	-1.81	-0.001032	± 2.5	PASS
		VN	40	3.21	0.001831	± 2.5	PASS
		VN	50	0.31	0.000177	± 2.5	PASS
16QAM	LCH	VN	-30	3.65	0.002107	± 2.5	PASS
		VN	-20	3.54	0.002043	± 2.5	PASS
		VN	-10	4.57	0.002638	± 2.5	PASS
		VN	0	-1.25	-0.000722	± 2.5	PASS
		VN	10	3.43	0.001980	± 2.5	PASS
		VN	20	-0.96	-0.000554	± 2.5	PASS
		VN	30	2.52	0.001455	± 2.5	PASS
		VN	40	2.05	0.001183	± 2.5	PASS
		VN	50	0.31	0.000179	± 2.5	PASS
	MCH	VN	-30	0.22	0.000125	± 2.5	PASS
		VN	-20	-1.82	-0.001038	± 2.5	PASS
		VN	-10	3.13	0.001785	± 2.5	PASS

		VN	0	-0.55	-0.000314	± 2.5	PASS
		VN	10	3.51	0.002002	± 2.5	PASS
		VN	20	1.7	0.000969	± 2.5	PASS
		VN	30	4.44	0.002532	± 2.5	PASS
		VN	40	1.25	0.000713	± 2.5	PASS
		VN	50	1.59	0.000907	± 2.5	PASS
	HCH	VN	-30	2.56	0.001460	± 2.5	PASS
		VN	-20	-0.53	-0.000302	± 2.5	PASS
		VN	-10	4.94	0.002817	± 2.5	PASS
		VN	0	2.01	0.001146	± 2.5	PASS
		VN	10	4.45	0.002538	± 2.5	PASS
		VN	20	0	0.000000	± 2.5	PASS
		VN	30	-1.21	-0.000690	± 2.5	PASS
		VN	40	1.41	0.000804	± 2.5	PASS
		VN	50	-0.53	-0.000302	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.51	-0.000882	± 2.5	PASS
		VN	TN	-1.03	-0.000601	± 2.5	PASS
		VH	TN	4.08	0.002382	± 2.5	PASS
	MCH	VL	TN	4.79	0.002765	± 2.5	PASS
		VN	TN	-1.23	-0.000710	± 2.5	PASS
		VH	TN	4.54	0.002620	± 2.5	PASS
	HCH	VL	TN	-0.94	-0.000536	± 2.5	PASS
		VN	TN	4.91	0.002802	± 2.5	PASS
		VH	TN	4.53	0.002585	± 2.5	PASS
16QAM	LCH	VL	TN	3.84	0.002242	± 2.5	PASS
		VN	TN	3.93	0.002295	± 2.5	PASS
		VH	TN	2.9	0.001693	± 2.5	PASS
	MCH	VL	TN	3.41	0.001968	± 2.5	PASS
		VN	TN	1.42	0.000820	± 2.5	PASS
		VH	TN	3.18	0.001835	± 2.5	PASS
	HCH	VL	TN	-1.54	-0.000879	± 2.5	PASS
		VN	TN	0.5	0.000285	± 2.5	PASS
		VH	TN	-0.47	-0.000268	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.02	-0.000596	± 2.5	PASS
		VN	-20	2.98	0.001740	± 2.5	PASS
		VN	-10	-1.47	-0.000858	± 2.5	PASS
		VN	0	-0.51	-0.000298	± 2.5	PASS
		VN	10	2.59	0.001512	± 2.5	PASS
		VN	20	1.37	0.000800	± 2.5	PASS
		VN	30	3.27	0.001909	± 2.5	PASS

		VN	40	3.45	0.002015	± 2.5	PASS
		VN	50	4.23	0.002470	± 2.5	PASS
	MCH	VN	-30	3.74	0.002159	± 2.5	PASS
		VN	-20	2.28	0.001316	± 2.5	PASS
		VN	-10	4.45	0.002569	± 2.5	PASS
		VN	0	4.76	0.002747	± 2.5	PASS
		VN	10	1.6	0.000924	± 2.5	PASS
		VN	20	3.53	0.002038	± 2.5	PASS
		VN	30	-0.73	-0.000421	± 2.5	PASS
		VN	40	-0.54	-0.000312	± 2.5	PASS
		VN	50	1.81	0.001045	± 2.5	PASS
	HCH	VN	-30	1.71	0.000976	± 2.5	PASS
		VN	-20	-0.49	-0.000257	± 2.5	PASS
		VN	-10	0.17	0.000089	± 2.5	PASS
		VN	0	2.3	0.001206	± 2.5	PASS
		VN	10	0.61	0.000320	± 2.5	PASS
		VN	20	1.29	0.000676	± 2.5	PASS
		VN	30	0.18	0.000094	± 2.5	PASS
		VN	40	4.75	0.002490	± 2.5	PASS
		VN	50	4.55	0.002385	± 2.5	PASS
16QAM	LCH	VN	-30	-0.93	-0.000537	± 2.5	PASS
		VN	-20	-0.51	-0.000294	± 2.5	PASS
		VN	-10	4.22	0.002436	± 2.5	PASS
		VN	0	-0.18	-0.000104	± 2.5	PASS
		VN	10	0.85	0.000491	± 2.5	PASS
		VN	20	4.42	0.002551	± 2.5	PASS
		VN	30	-0.09	-0.000052	± 2.5	PASS
		VN	40	1.32	0.000762	± 2.5	PASS
		VN	50	-0.71	-0.000410	± 2.5	PASS
	MCH	VN	-30	-1.84	-0.001050	± 2.5	PASS
		VN	-20	4.06	0.002317	± 2.5	PASS
		VN	-10	1.08	0.000616	± 2.5	PASS
		VN	0	-0.77	-0.000439	± 2.5	PASS
		VN	10	-1.26	-0.000719	± 2.5	PASS
		VN	20	4.8	0.002739	± 2.5	PASS
		VN	30	-1.67	-0.000953	± 2.5	PASS
		VN	40	3.96	0.002260	± 2.5	PASS
		VN	50	1.91	0.001090	± 2.5	PASS
	HCH	VN	-30	2.54	0.001332	± 2.5	PASS
		VN	-20	1.24	0.000650	± 2.5	PASS
		VN	-10	-0.03	-0.000016	± 2.5	PASS
		VN	0	-0.02	-0.000010	± 2.5	PASS
		VN	10	2.35	0.001232	± 2.5	PASS
		VN	20	0.16	0.000084	± 2.5	PASS
		VN	30	2.9	0.001520	± 2.5	PASS
		VN	40	0.8	0.000419	± 2.5	PASS
		VN	50	-0.13	-0.000068	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.85	0.002245	± 2.5	PASS
		VN	TN	1.46	0.000851	± 2.5	PASS
		VH	TN	-0.02	-0.000012	± 2.5	PASS
	MCH	VL	TN	-0.17	-0.000098	± 2.5	PASS
		VN	TN	1.04	0.000600	± 2.5	PASS
		VH	TN	-1.75	-0.001010	± 2.5	PASS
	HCH	VL	TN	3.44	0.001966	± 2.5	PASS
		VN	TN	4.22	0.002411	± 2.5	PASS
		VH	TN	-1.49	-0.000851	± 2.5	PASS
16QAM	LCH	VL	TN	0.95	0.000554	± 2.5	PASS
		VN	TN	0.79	0.000461	± 2.5	PASS
		VH	TN	0.95	0.000554	± 2.5	PASS
	MCH	VL	TN	0.74	0.000427	± 2.5	PASS
		VN	TN	2.56	0.001478	± 2.5	PASS
		VH	TN	1.35	0.000779	± 2.5	PASS
	HCH	VL	TN	-1.66	-0.000949	± 2.5	PASS
		VN	TN	-0.87	-0.000497	± 2.5	PASS
		VH	TN	1.2	0.000686	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.39	0.001977	± 2.5	PASS
		VN	-20	0.38	0.000222	± 2.5	PASS
		VN	-10	3.01	0.001755	± 2.5	PASS
		VN	0	2.3	0.001341	± 2.5	PASS
		VN	10	0.97	0.000566	± 2.5	PASS
		VN	20	-1.46	-0.000851	± 2.5	PASS
		VN	30	4.51	0.002630	± 2.5	PASS
		VN	40	3.16	0.001843	± 2.5	PASS
		VN	50	0.49	0.000286	± 2.5	PASS
	MCH	VN	-30	0.31	0.000179	± 2.5	PASS
		VN	-20	-1.87	-0.001079	± 2.5	PASS
		VN	-10	-1.88	-0.001085	± 2.5	PASS
		VN	0	2.7	0.001558	± 2.5	PASS
		VN	10	2.81	0.001622	± 2.5	PASS
		VN	20	2.75	0.001587	± 2.5	PASS
		VN	30	0.82	0.000473	± 2.5	PASS
		VN	40	0.08	0.000046	± 2.5	PASS
		VN	50	3.39	0.001957	± 2.5	PASS
	HCH	VN	-30	-1.81	-0.001034	± 2.5	PASS
		VN	-20	2.7	0.001543	± 2.5	PASS
		VN	-10	4.46	0.002549	± 2.5	PASS
		VN	0	1.01	0.000577	± 2.5	PASS

		VN	10	3.41	0.001949	± 2.5	PASS
		VN	20	-1.66	-0.000949	± 2.5	PASS
		VN	30	2.5	0.001429	± 2.5	PASS
		VN	40	2.09	0.001194	± 2.5	PASS
		VN	50	3.68	0.002103	± 2.5	PASS
16QAM	LCH	VN	-30	0.52	0.000300	± 2.5	PASS
		VN	-20	0.19	0.000110	± 2.5	PASS
		VN	-10	4.37	0.002522	± 2.5	PASS
		VN	0	4.15	0.002395	± 2.5	PASS
		VN	10	0.14	0.000081	± 2.5	PASS
		VN	20	3.64	0.002101	± 2.5	PASS
		VN	30	3.7	0.002136	± 2.5	PASS
		VN	40	2.6	0.001501	± 2.5	PASS
		VN	50	1.19	0.000687	± 2.5	PASS
	MCH	VN	-30	4.21	0.002406	± 2.5	PASS
		VN	-20	0.94	0.000537	± 2.5	PASS
		VN	-10	-0.13	-0.000074	± 2.5	PASS
		VN	0	4.27	0.002440	± 2.5	PASS
		VN	10	-1.75	-0.001000	± 2.5	PASS
		VN	20	0.18	0.000103	± 2.5	PASS
		VN	30	2.96	0.001691	± 2.5	PASS
		VN	40	4.58	0.002617	± 2.5	PASS
		VN	50	1.51	0.000863	± 2.5	PASS
	HCH	VN	-30	4.49	0.002566	± 2.5	PASS
		VN	-20	3.76	0.002149	± 2.5	PASS
		VN	-10	-1.45	-0.000829	± 2.5	PASS
		VN	0	4.33	0.002474	± 2.5	PASS
		VN	10	-0.12	-0.000069	± 2.5	PASS
		VN	20	3.66	0.002091	± 2.5	PASS
		VN	30	-1.88	-0.001074	± 2.5	PASS
		VN	40	3.31	0.001891	± 2.5	PASS
		VN	50	0.82	0.000469	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.47	0.000274	± 2.5	PASS
		VN	TN	2.14	0.001246	± 2.5	PASS
		VH	TN	1.86	0.001083	± 2.5	PASS
	MCH	VL	TN	0.3	0.000173	± 2.5	PASS
		VN	TN	-1.84	-0.001062	± 2.5	PASS
		VH	TN	0.78	0.000450	± 2.5	PASS
	HCH	VL	TN	3.57	0.002043	± 2.5	PASS
		VN	TN	-0.26	-0.000149	± 2.5	PASS
		VH	TN	2.83	0.001619	± 2.5	PASS
16QAM	LCH	VL	TN	3.68	0.002143	± 2.5	PASS
		VN	TN	0.29	0.000169	± 2.5	PASS

		VH	TN	0.27	0.000157	± 2.5	PASS
	MCH	VL	TN	4.37	0.002522	± 2.5	PASS
		VN	TN	3.6	0.002078	± 2.5	PASS
		VH	TN	2.45	0.001414	± 2.5	PASS
	HCH	VL	TN	0.63	0.000361	± 2.5	PASS
		VN	TN	2.4	0.001373	± 2.5	PASS
		VH	TN	3.48	0.001991	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.24	0.002469	± 2.5	PASS
		VN	-20	3.32	0.001933	± 2.5	PASS
		VN	-10	1.62	0.000943	± 2.5	PASS
		VN	0	1.63	0.000949	± 2.5	PASS
		VN	10	4.75	0.002766	± 2.5	PASS
		VN	20	1.26	0.000734	± 2.5	PASS
		VN	30	3.65	0.002125	± 2.5	PASS
		VN	40	4.52	0.002632	± 2.5	PASS
		VN	50	3.77	0.002195	± 2.5	PASS
	MCH	VN	-30	-0.03	-0.000017	± 2.5	PASS
		VN	-20	0.33	0.000190	± 2.5	PASS
		VN	-10	3.17	0.001830	± 2.5	PASS
		VN	0	-1.82	-0.001051	± 2.5	PASS
		VN	10	1.81	0.001045	± 2.5	PASS
		VN	20	-0.88	-0.000508	± 2.5	PASS
		VN	30	0.99	0.000571	± 2.5	PASS
		VN	40	3.07	0.001772	± 2.5	PASS
		VN	50	-1.7	-0.000981	± 2.5	PASS
	HCH	VN	-30	1.22	0.000698	± 2.5	PASS
		VN	-20	1.14	0.000652	± 2.5	PASS
		VN	-10	0.72	0.000412	± 2.5	PASS
		VN	0	0.01	0.000006	± 2.5	PASS
		VN	10	4.93	0.002821	± 2.5	PASS
		VN	20	-0.27	-0.000155	± 2.5	PASS
		VN	30	2.25	0.001288	± 2.5	PASS
		VN	40	3.6	0.002060	± 2.5	PASS
		VN	50	-1.6	-0.000916	± 2.5	PASS
16QAM	LCH	VN	-30	1.5	0.000866	± 2.5	PASS
		VN	-20	1.8	0.001039	± 2.5	PASS
		VN	-10	-1.42	-0.000820	± 2.5	PASS
		VN	0	2.7	0.001558	± 2.5	PASS
		VN	10	-0.62	-0.000358	± 2.5	PASS
		VN	20	3.4	0.001962	± 2.5	PASS
		VN	30	0.74	0.000427	± 2.5	PASS
		VN	40	-0.42	-0.000242	± 2.5	PASS
		VN	50	1.88	0.001085	± 2.5	PASS
	MCH	VN	-30	2.79	0.001597	± 2.5	PASS
		VN	-20	2.57	0.001471	± 2.5	PASS
		VN	-10	-1.15	-0.000658	± 2.5	PASS

		VN	0	1.24	0.000710	± 2.5	PASS
		VN	10	-1.46	-0.000835	± 2.5	PASS
		VN	20	2.59	0.001482	± 2.5	PASS
		VN	30	0.65	0.000372	± 2.5	PASS
		VN	40	-0.59	-0.000338	± 2.5	PASS
		VN	50	-0.91	-0.000521	± 2.5	PASS
	HCH	VN	-30	-0.03	-0.000017	± 2.5	PASS
		VN	-20	-0.21	-0.000120	± 2.5	PASS
		VN	-10	4.42	0.002529	± 2.5	PASS
		VN	0	-0.47	-0.000269	± 2.5	PASS
		VN	10	0.3	0.000172	± 2.5	PASS
		VN	20	-0.99	-0.000567	± 2.5	PASS
		VN	30	4.79	0.002741	± 2.5	PASS
		VN	40	2.04	0.001167	± 2.5	PASS
		VN	50	0.24	0.000137	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.87	0.002831	± 2.5	PASS
		VN	TN	-1.94	-0.001128	± 2.5	PASS
		VH	TN	2.86	0.001663	± 2.5	PASS
	MCH	VL	TN	4.04	0.002332	± 2.5	PASS
		VN	TN	3.81	0.002199	± 2.5	PASS
		VH	TN	-0.82	-0.000473	± 2.5	PASS
	HCH	VL	TN	0.65	0.000372	± 2.5	PASS
		VN	TN	1.67	0.000957	± 2.5	PASS
		VH	TN	-0.6	-0.000344	± 2.5	PASS
16QAM	LCH	VL	TN	1.39	0.000808	± 2.5	PASS
		VN	TN	2.8	0.001628	± 2.5	PASS
		VH	TN	3.77	0.002192	± 2.5	PASS
	MCH	VL	TN	1.72	0.000993	± 2.5	PASS
		VN	TN	1.47	0.000848	± 2.5	PASS
		VH	TN	4.19	0.002418	± 2.5	PASS
	HCH	VL	TN	2.63	0.001507	± 2.5	PASS
		VN	TN	2.86	0.001639	± 2.5	PASS
		VH	TN	2.73	0.001564	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.49	0.001448	± 2.5	PASS
		VN	-20	1.86	0.001081	± 2.5	PASS
		VN	-10	4.01	0.002331	± 2.5	PASS
		VN	0	1.92	0.001116	± 2.5	PASS
		VN	10	2.08	0.001209	± 2.5	PASS
		VN	20	4.94	0.002872	± 2.5	PASS
		VN	30	1.13	0.000657	± 2.5	PASS

		VN	40	3.48	0.002023	± 2.5	PASS
		VN	50	4.82	0.002802	± 2.5	PASS
	MCH	VN	-30	0.41	0.000237	± 2.5	PASS
		VN	-20	1.11	0.000641	± 2.5	PASS
		VN	-10	2.44	0.001408	± 2.5	PASS
		VN	0	1.27	0.000733	± 2.5	PASS
		VN	10	-0.27	-0.000156	± 2.5	PASS
		VN	20	-0.45	-0.000260	± 2.5	PASS
		VN	30	4.42	0.002551	± 2.5	PASS
		VN	40	-0.73	-0.000421	± 2.5	PASS
		VN	50	3.16	0.001824	± 2.5	PASS
	HCH	VN	-30	1.68	0.000963	± 2.5	PASS
		VN	-20	-0.66	-0.000378	± 2.5	PASS
		VN	-10	4.7	0.002693	± 2.5	PASS
		VN	0	1.98	0.001135	± 2.5	PASS
		VN	10	0.3	0.000172	± 2.5	PASS
		VN	20	-1.61	-0.000923	± 2.5	PASS
		VN	30	2.94	0.001685	± 2.5	PASS
		VN	40	-1.9	-0.001089	± 2.5	PASS
		VN	50	0.63	0.000361	± 2.5	PASS
16QAM	LCH	VN	-30	2.28	0.001316	± 2.5	PASS
		VN	-20	0.08	0.000046	± 2.5	PASS
		VN	-10	5	0.002886	± 2.5	PASS
		VN	0	1.77	0.001022	± 2.5	PASS
		VN	10	0.59	0.000341	± 2.5	PASS
		VN	20	-1.61	-0.000929	± 2.5	PASS
		VN	30	4.61	0.002661	± 2.5	PASS
		VN	40	4.8	0.002771	± 2.5	PASS
		VN	50	1.85	0.001068	± 2.5	PASS
	MCH	VN	-30	-0.17	-0.000097	± 2.5	PASS
		VN	-20	1.7	0.000974	± 2.5	PASS
		VN	-10	0.42	0.000241	± 2.5	PASS
		VN	0	1.8	0.001032	± 2.5	PASS
		VN	10	-0.81	-0.000464	± 2.5	PASS
		VN	20	-0.38	-0.000218	± 2.5	PASS
		VN	30	2.96	0.001696	± 2.5	PASS
		VN	40	3.14	0.001799	± 2.5	PASS
		VN	50	4.07	0.002332	± 2.5	PASS
	HCH	VN	-30	-0.88	-0.000504	± 2.5	PASS
		VN	-20	-0.09	-0.000052	± 2.5	PASS
		VN	-10	0.59	0.000338	± 2.5	PASS
		VN	0	0.16	0.000092	± 2.5	PASS
		VN	10	-0.02	-0.000011	± 2.5	PASS
		VN	20	0.54	0.000309	± 2.5	PASS
		VN	30	0.94	0.000539	± 2.5	PASS
		VN	40	1.53	0.000877	± 2.5	PASS
		VN	50	0.38	0.000218	± 2.5	PASS

Band 5

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.32	0.004026	± 2.5	PASS
		VN	TN	-0.91	-0.001103	± 2.5	PASS
		VH	TN	-1.36	-0.001649	± 2.5	PASS
	MCH	VL	TN	-0.64	-0.000765	± 2.5	PASS
		VN	TN	0.72	0.000861	± 2.5	PASS
		VH	TN	0.38	0.000454	± 2.5	PASS
	HCH	VL	TN	3.73	0.004397	± 2.5	PASS
		VN	TN	-1.8	-0.002122	± 2.5	PASS
		VH	TN	1.83	0.002157	± 2.5	PASS
16QAM	LCH	VL	TN	3.54	0.004292	± 2.5	PASS
		VN	TN	3.58	0.004341	± 2.5	PASS
		VH	TN	2.48	0.003007	± 2.5	PASS
	MCH	VL	TN	-0.43	-0.000514	± 2.5	PASS
		VN	TN	-1.25	-0.001494	± 2.5	PASS
		VH	TN	3.17	0.003790	± 2.5	PASS
	HCH	VL	TN	1.86	0.002193	± 2.5	PASS
		VN	TN	0.85	0.001002	± 2.5	PASS
		VH	TN	0.54	0.000637	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.03	-0.000036	± 2.5	PASS
		VN	-20	2.99	0.003626	± 2.5	PASS
		VN	-10	-0.31	-0.000376	± 2.5	PASS
		VN	0	4.08	0.004947	± 2.5	PASS
		VN	10	3.51	0.004256	± 2.5	PASS
		VN	20	3.69	0.004474	± 2.5	PASS
		VN	30	2.93	0.003553	± 2.5	PASS
		VN	40	2.46	0.002983	± 2.5	PASS
		VN	50	1.65	0.002001	± 2.5	PASS
	MCH	VN	-30	4.25	0.005081	± 2.5	PASS
		VN	-20	2.39	0.002857	± 2.5	PASS
		VN	-10	-0.67	-0.000801	± 2.5	PASS
		VN	0	1.65	0.001973	± 2.5	PASS
		VN	10	-0.95	-0.001136	± 2.5	PASS
		VN	20	3.12	0.003730	± 2.5	PASS
		VN	30	0.33	0.000395	± 2.5	PASS
		VN	40	0.6	0.000717	± 2.5	PASS
		VN	50	3.38	0.004041	± 2.5	PASS
	HCH	VN	-30	4.14	0.004880	± 2.5	PASS
		VN	-20	2.58	0.003041	± 2.5	PASS
		VN	-10	-1.99	-0.002346	± 2.5	PASS
		VN	0	-0.59	-0.000696	± 2.5	PASS

		VN	10	2.39	0.002817	± 2.5	PASS
		VN	20	4.04	0.004762	± 2.5	PASS
		VN	30	-0.35	-0.000413	± 2.5	PASS
		VN	40	2.13	0.002511	± 2.5	PASS
		VN	50	0.92	0.001085	± 2.5	PASS
16QAM	LCH	VN	-30	-1.69	-0.002049	± 2.5	PASS
		VN	-20	4.68	0.005675	± 2.5	PASS
		VN	-10	2.96	0.003589	± 2.5	PASS
		VN	0	4.04	0.004899	± 2.5	PASS
		VN	10	0.65	0.000788	± 2.5	PASS
		VN	20	3.2	0.003880	± 2.5	PASS
		VN	30	-1.58	-0.001916	± 2.5	PASS
		VN	40	-1.61	-0.001952	± 2.5	PASS
		VN	50	0.8	0.000970	± 2.5	PASS
	MCH	VN	-30	2.33	0.002747	± 2.5	PASS
		VN	-20	-1.31	-0.001544	± 2.5	PASS
		VN	-10	4.43	0.005222	± 2.5	PASS
		VN	0	-1.49	-0.001756	± 2.5	PASS
		VN	10	2.45	0.002888	± 2.5	PASS
		VN	20	2.37	0.002794	± 2.5	PASS
		VN	30	-0.17	-0.000200	± 2.5	PASS
		VN	40	2.27	0.002676	± 2.5	PASS
		VN	50	-0.63	-0.000743	± 2.5	PASS
	HCH	VN	-30	4.85	0.005717	± 2.5	PASS
		VN	-20	3.99	0.004704	± 2.5	PASS
		VN	-10	3.26	0.003843	± 2.5	PASS
		VN	0	2.08	0.002452	± 2.5	PASS
		VN	10	0.97	0.001143	± 2.5	PASS
		VN	20	1.66	0.001957	± 2.5	PASS
		VN	30	-0.84	-0.000990	± 2.5	PASS
		VN	40	-1.73	-0.002039	± 2.5	PASS
		VN	50	4.2	0.004951	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.32	0.005233	± 2.5	PASS
		VN	TN	-0.69	-0.000836	± 2.5	PASS
		VH	TN	4.28	0.005185	± 2.5	PASS
	MCH	VL	TN	-1.04	-0.001243	± 2.5	PASS
		VN	TN	2.46	0.002941	± 2.5	PASS
		VH	TN	4.76	0.005690	± 2.5	PASS
	HCH	VL	TN	2.22	0.002619	± 2.5	PASS
		VN	TN	1.82	0.002147	± 2.5	PASS
		VH	TN	1.34	0.001581	± 2.5	PASS
16QAM	LCH	VL	TN	0.21	0.000254	± 2.5	PASS
		VN	TN	0.9	0.001090	± 2.5	PASS

		VH	TN	3.25	0.003937	± 2.5	PASS
	MCH	VL	TN	3.92	0.004686	± 2.5	PASS
		VN	TN	1.53	0.001829	± 2.5	PASS
		VH	TN	1.68	0.002008	± 2.5	PASS
	HCH	VL	TN	0.19	0.000224	± 2.5	PASS
		VN	TN	3.11	0.003670	± 2.5	PASS
		VH	TN	1.82	0.002147	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.43	-0.000521	± 2.5	PASS
		VN	-20	-0.34	-0.000412	± 2.5	PASS
		VN	-10	4.44	0.005379	± 2.5	PASS
		VN	0	0.22	0.000267	± 2.5	PASS
		VN	10	1.8	0.002180	± 2.5	PASS
		VN	20	3.98	0.004821	± 2.5	PASS
		VN	30	1.81	0.002193	± 2.5	PASS
		VN	40	1.16	0.001405	± 2.5	PASS
		VN	50	3.02	0.003658	± 2.5	PASS
	MCH	VN	-30	1.79	0.002140	± 2.5	PASS
		VN	-20	-1.05	-0.001255	± 2.5	PASS
		VN	-10	0.86	0.001028	± 2.5	PASS
		VN	0	4.36	0.005212	± 2.5	PASS
		VN	10	0.64	0.000765	± 2.5	PASS
		VN	20	-1.07	-0.001279	± 2.5	PASS
		VN	30	-1.25	-0.001494	± 2.5	PASS
		VN	40	-1.5	-0.001793	± 2.5	PASS
		VN	50	4.06	0.004854	± 2.5	PASS
	HCH	VN	-30	3.62	0.004271	± 2.5	PASS
		VN	-20	2.95	0.003481	± 2.5	PASS
		VN	-10	1.92	0.002265	± 2.5	PASS
		VN	0	1.73	0.002041	± 2.5	PASS
		VN	10	-1.08	-0.001274	± 2.5	PASS
		VN	20	-1.37	-0.001617	± 2.5	PASS
		VN	30	1.96	0.002313	± 2.5	PASS
		VN	40	4.05	0.004779	± 2.5	PASS
		VN	50	2.28	0.002690	± 2.5	PASS
16QAM	LCH	VN	-30	-0.21	-0.000251	± 2.5	PASS
		VN	-20	-1.49	-0.001781	± 2.5	PASS
		VN	-10	-0.26	-0.000311	± 2.5	PASS
		VN	0	4.04	0.004830	± 2.5	PASS
		VN	10	0.47	0.000562	± 2.5	PASS
		VN	20	3.13	0.003742	± 2.5	PASS
		VN	30	4.18	0.004997	± 2.5	PASS
		VN	40	3.93	0.004698	± 2.5	PASS
		VN	50	1.83	0.002188	± 2.5	PASS
	MCH	VN	-30	0.07	0.000083	± 2.5	PASS
		VN	-20	-0.79	-0.000932	± 2.5	PASS
		VN	-10	1.02	0.001204	± 2.5	PASS

		VN	0	4.95	0.005841	± 2.5	PASS
		VN	10	1.97	0.002324	± 2.5	PASS
		VN	20	-1.54	-0.001817	± 2.5	PASS
		VN	30	-0.97	-0.001145	± 2.5	PASS
		VN	40	-1.73	-0.002041	± 2.5	PASS
		VN	50	4.26	0.005027	± 2.5	PASS
	HCH	VN	-30	2.69	0.003174	± 2.5	PASS
		VN	-20	-0.29	-0.000342	± 2.5	PASS
		VN	-10	2.44	0.002879	± 2.5	PASS
		VN	0	2.73	0.003221	± 2.5	PASS
		VN	10	4.4	0.005192	± 2.5	PASS
		VN	20	3.86	0.004555	± 2.5	PASS
		VN	30	3.07	0.003622	± 2.5	PASS
		VN	40	-0.41	-0.000484	± 2.5	PASS
		VN	50	-1.28	-0.001510	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.7	0.002057	± 2.5	PASS
		VN	TN	4.43	0.005360	± 2.5	PASS
		VH	TN	4.01	0.004852	± 2.5	PASS
	MCH	VL	TN	4	0.004782	± 2.5	PASS
		VN	TN	2.19	0.002618	± 2.5	PASS
		VH	TN	-0.34	-0.000406	± 2.5	PASS
	HCH	VL	TN	3.75	0.004430	± 2.5	PASS
		VN	TN	-0.89	-0.001051	± 2.5	PASS
		VH	TN	2.95	0.003485	± 2.5	PASS
16QAM	LCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	1.41	0.001706	± 2.5	PASS
		VH	TN	2.81	0.003400	± 2.5	PASS
	MCH	VL	TN	4.59	0.005487	± 2.5	PASS
		VN	TN	2.35	0.002809	± 2.5	PASS
		VH	TN	0.36	0.000430	± 2.5	PASS
	HCH	VL	TN	-1.61	-0.001902	± 2.5	PASS
		VN	TN	1.86	0.002197	± 2.5	PASS
		VH	TN	-0.36	-0.000425	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.01	-0.000012	± 2.5	PASS
		VN	-20	-1.94	-0.002347	± 2.5	PASS
		VN	-10	3.97	0.004803	± 2.5	PASS
		VN	0	3.66	0.004428	± 2.5	PASS
		VN	10	2.81	0.003400	± 2.5	PASS
		VN	20	-1.38	-0.001670	± 2.5	PASS
		VN	30	2.2	0.002662	± 2.5	PASS

		VN	40	0.93	0.001125	± 2.5	PASS
		VN	50	3.85	0.004658	± 2.5	PASS
	MCH	VN	-30	3.58	0.004280	± 2.5	PASS
		VN	-20	-0.47	-0.000562	± 2.5	PASS
		VN	-10	2.27	0.002714	± 2.5	PASS
		VN	0	4.23	0.005057	± 2.5	PASS
		VN	10	1.02	0.001219	± 2.5	PASS
		VN	20	3.43	0.004100	± 2.5	PASS
		VN	30	-1.11	-0.001327	± 2.5	PASS
		VN	40	1.99	0.002379	± 2.5	PASS
		VN	50	-1.68	-0.002008	± 2.5	PASS
	HCH	VN	-30	-0.41	-0.000484	± 2.5	PASS
		VN	-20	0.44	0.000520	± 2.5	PASS
		VN	-10	0.81	0.000957	± 2.5	PASS
		VN	0	-0.39	-0.000461	± 2.5	PASS
		VN	10	0.53	0.000626	± 2.5	PASS
		VN	20	-0.09	-0.000106	± 2.5	PASS
		VN	30	3.01	0.003556	± 2.5	PASS
		VN	40	2.05	0.002422	± 2.5	PASS
		VN	50	3.5	0.004135	± 2.5	PASS
16QAM	LCH	VN	-30	-1.97	-0.002355	± 2.5	PASS
		VN	-20	3.87	0.004626	± 2.5	PASS
		VN	-10	2.06	0.002463	± 2.5	PASS
		VN	0	-1.97	-0.002355	± 2.5	PASS
		VN	10	-0.98	-0.001172	± 2.5	PASS
		VN	20	-0.94	-0.001124	± 2.5	PASS
		VN	30	-0.21	-0.000251	± 2.5	PASS
		VN	40	0.31	0.000371	± 2.5	PASS
		VN	50	-1.78	-0.002128	± 2.5	PASS
	MCH	VN	-30	0.27	0.000319	± 2.5	PASS
		VN	-20	3.32	0.003922	± 2.5	PASS
		VN	-10	-1.87	-0.002209	± 2.5	PASS
		VN	0	-1.02	-0.001205	± 2.5	PASS
		VN	10	2.26	0.002670	± 2.5	PASS
		VN	20	-0.04	-0.000047	± 2.5	PASS
		VN	30	4.42	0.005222	± 2.5	PASS
		VN	40	3.17	0.003745	± 2.5	PASS
		VN	50	-0.87	-0.001028	± 2.5	PASS
	HCH	VN	-30	2.77	0.003272	± 2.5	PASS
		VN	-20	1.17	0.001382	± 2.5	PASS
		VN	-10	4.95	0.005848	± 2.5	PASS
		VN	0	4.35	0.005139	± 2.5	PASS
		VN	10	-0.99	-0.001170	± 2.5	PASS
		VN	20	3.86	0.004560	± 2.5	PASS
		VN	30	2.59	0.003060	± 2.5	PASS
		VN	40	-0.4	-0.000473	± 2.5	PASS
		VN	50	0.14	0.000165	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.85	0.002232	± 2.5	PASS
		VN	TN	1.27	0.001532	± 2.5	PASS
		VH	TN	1.23	0.001484	± 2.5	PASS
	MCH	VL	TN	2.84	0.003395	± 2.5	PASS
		VN	TN	3.92	0.004686	± 2.5	PASS
		VH	TN	2.92	0.003491	± 2.5	PASS
	HCH	VL	TN	3.46	0.004100	± 2.5	PASS
		VN	TN	1.03	0.001220	± 2.5	PASS
		VH	TN	3.73	0.004419	± 2.5	PASS
16QAM	LCH	VL	TN	-1.3	-0.001568	± 2.5	PASS
		VN	TN	2.04	0.002461	± 2.5	PASS
		VH	TN	3.87	0.004668	± 2.5	PASS
	MCH	VL	TN	3.56	0.004256	± 2.5	PASS
		VN	TN	0.6	0.000717	± 2.5	PASS
		VH	TN	0.27	0.000323	± 2.5	PASS
	HCH	VL	TN	3.39	0.004017	± 2.5	PASS
		VN	TN	3.44	0.004076	± 2.5	PASS
		VH	TN	-0.89	-0.001055	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.07	0.004910	± 2.5	PASS
		VN	-20	1.35	0.001628	± 2.5	PASS
		VN	-10	0.4	0.000483	± 2.5	PASS
		VN	0	3.22	0.003884	± 2.5	PASS
		VN	10	0.37	0.000446	± 2.5	PASS
		VN	20	2.03	0.002449	± 2.5	PASS
		VN	30	-0.98	-0.001182	± 2.5	PASS
		VN	40	1.36	0.001641	± 2.5	PASS
		VN	50	1.11	0.001339	± 2.5	PASS
	MCH	VN	-30	0.76	0.000909	± 2.5	PASS
		VN	-20	0.58	0.000693	± 2.5	PASS
		VN	-10	3.54	0.004232	± 2.5	PASS
		VN	0	-0.63	-0.000753	± 2.5	PASS
		VN	10	4.39	0.005248	± 2.5	PASS
		VN	20	1.1	0.001315	± 2.5	PASS
		VN	30	0.05	0.000060	± 2.5	PASS
		VN	40	-0.64	-0.000765	± 2.5	PASS
		VN	50	3.19	0.003814	± 2.5	PASS
	HCH	VN	-30	3.15	0.003732	± 2.5	PASS
		VN	-20	0.77	0.000912	± 2.5	PASS
		VN	-10	-0.64	-0.000758	± 2.5	PASS
		VN	0	1.88	0.002227	± 2.5	PASS

		VN	10	1.78	0.002109	± 2.5	PASS
		VN	20	4.27	0.005059	± 2.5	PASS
		VN	30	4.13	0.004893	± 2.5	PASS
		VN	40	2.36	0.002796	± 2.5	PASS
		VN	50	4.89	0.005794	± 2.5	PASS
16QAM	LCH	VN	-30	4.29	0.005129	± 2.5	PASS
		VN	-20	4.03	0.004818	± 2.5	PASS
		VN	-10	-0.82	-0.000980	± 2.5	PASS
		VN	0	3.78	0.004519	± 2.5	PASS
		VN	10	-0.68	-0.000813	± 2.5	PASS
		VN	20	-1.17	-0.001399	± 2.5	PASS
		VN	30	3.02	0.003610	± 2.5	PASS
		VN	40	0.83	0.000992	± 2.5	PASS
		VN	50	2.8	0.003347	± 2.5	PASS
	MCH	VN	-30	0.24	0.000284	± 2.5	PASS
		VN	-20	4.17	0.004941	± 2.5	PASS
		VN	-10	4.75	0.005628	± 2.5	PASS
		VN	0	4.9	0.005806	± 2.5	PASS
		VN	10	3.47	0.004111	± 2.5	PASS
		VN	20	4.49	0.005320	± 2.5	PASS
		VN	30	-0.51	-0.000604	± 2.5	PASS
		VN	40	4.62	0.005474	± 2.5	PASS
		VN	50	1.49	0.001765	± 2.5	PASS
	HCH	VN	-30	0.26	0.000308	± 2.5	PASS
		VN	-20	-0.65	-0.000770	± 2.5	PASS
		VN	-10	4.38	0.005190	± 2.5	PASS
		VN	0	3.2	0.003791	± 2.5	PASS
		VN	10	0.85	0.001007	± 2.5	PASS
		VN	20	3.43	0.004064	± 2.5	PASS
		VN	30	3.24	0.003839	± 2.5	PASS
		VN	40	3.67	0.004348	± 2.5	PASS
		VN	50	1.65	0.001955	± 2.5	PASS

Band 12

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.62	-0.000886	± 2.5	PASS
		VN	TN	1.09	0.001558	± 2.5	PASS
		VH	TN	3.29	0.004702	± 2.5	PASS
	MCH	VL	TN	0.01	0.000014	± 2.5	PASS
		VN	TN	1.46	0.002064	± 2.5	PASS
		VH	TN	0.67	0.000947	± 2.5	PASS
	HCH	VL	TN	3.16	0.004418	± 2.5	PASS
		VN	TN	4.6	0.006431	± 2.5	PASS
		VH	TN	1.8	0.002516	± 2.5	PASS
16QAM	LCH	VL	TN	4.1	0.005860	± 2.5	PASS
		VN	TN	-0.3	-0.000429	± 2.5	PASS
		VH	TN	-0.47	-0.000672	± 2.5	PASS
	MCH	VL	TN	2.16	0.003053	± 2.5	PASS
		VN	TN	3.31	0.004678	± 2.5	PASS
		VH	TN	2.75	0.003887	± 2.5	PASS
	HCH	VL	TN	0.88	0.001230	± 2.5	PASS
		VN	TN	2.66	0.003719	± 2.5	PASS
		VH	TN	-0.51	-0.000713	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.82	0.002601	± 2.5	PASS
		VN	-20	-1.77	-0.002530	± 2.5	PASS
		VN	-10	-1.13	-0.001615	± 2.5	PASS
		VN	0	0.17	0.000243	± 2.5	PASS
		VN	10	2.74	0.003916	± 2.5	PASS
		VN	20	-1.9	-0.002715	± 2.5	PASS
		VN	30	-1.93	-0.002758	± 2.5	PASS
		VN	40	3.12	0.004459	± 2.5	PASS
		VN	50	-1.87	-0.002673	± 2.5	PASS
	MCH	VN	-30	3.2	0.004523	± 2.5	PASS
		VN	-20	3.99	0.005640	± 2.5	PASS
		VN	-10	4.43	0.006261	± 2.5	PASS
		VN	0	-0.81	-0.001145	± 2.5	PASS
		VN	10	3.95	0.005583	± 2.5	PASS
		VN	20	4.75	0.006714	± 2.5	PASS
		VN	30	1.02	0.001442	± 2.5	PASS
		VN	40	1.97	0.002784	± 2.5	PASS
		VN	50	-0.28	-0.000396	± 2.5	PASS
	HCH	VN	-30	4.54	0.006347	± 2.5	PASS
		VN	-20	4.04	0.005648	± 2.5	PASS
		VN	-10	4.37	0.006109	± 2.5	PASS
		VN	0	1.6	0.002237	± 2.5	PASS

		VN	10	3.91	0.005466	± 2.5	PASS
		VN	20	1.35	0.001887	± 2.5	PASS
		VN	30	3.62	0.005061	± 2.5	PASS
		VN	40	2.42	0.003383	± 2.5	PASS
		VN	50	3.24	0.004530	± 2.5	PASS
16QAM	LCH	VN	-30	-1.9	-0.002715	± 2.5	PASS
		VN	-20	4.21	0.006017	± 2.5	PASS
		VN	-10	3.22	0.004602	± 2.5	PASS
		VN	0	3.1	0.004430	± 2.5	PASS
		VN	10	-0.03	-0.000043	± 2.5	PASS
		VN	20	0.32	0.000457	± 2.5	PASS
		VN	30	4.2	0.006003	± 2.5	PASS
		VN	40	3.47	0.004959	± 2.5	PASS
		VN	50	3.61	0.005159	± 2.5	PASS
	MCH	VN	-30	4.01	0.005668	± 2.5	PASS
		VN	-20	3.03	0.004283	± 2.5	PASS
		VN	-10	1.73	0.002445	± 2.5	PASS
		VN	0	2.04	0.002883	± 2.5	PASS
		VN	10	-0.56	-0.000792	± 2.5	PASS
		VN	20	3.18	0.004495	± 2.5	PASS
		VN	30	4.9	0.006926	± 2.5	PASS
		VN	40	1.83	0.002587	± 2.5	PASS
		VN	50	1.34	0.001894	± 2.5	PASS
	HCH	VN	-30	0.77	0.001076	± 2.5	PASS
		VN	-20	4.77	0.006669	± 2.5	PASS
		VN	-10	-1.55	-0.002167	± 2.5	PASS
		VN	0	4.6	0.006431	± 2.5	PASS
		VN	10	-0.83	-0.001160	± 2.5	PASS
		VN	20	4.9	0.006850	± 2.5	PASS
		VN	30	4.45	0.006221	± 2.5	PASS
		VN	40	-0.68	-0.000951	± 2.5	PASS
		VN	50	0.19	0.000266	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.44	-0.000628	± 2.5	PASS
		VN	TN	0.14	0.000200	± 2.5	PASS
		VH	TN	-0.28	-0.000400	± 2.5	PASS
	MCH	VL	TN	2.93	0.004141	± 2.5	PASS
		VN	TN	3.13	0.004424	± 2.5	PASS
		VH	TN	-1	-0.001413	± 2.5	PASS
	HCH	VL	TN	3.81	0.005332	± 2.5	PASS
		VN	TN	4.04	0.005654	± 2.5	PASS
		VH	TN	3.91	0.005472	± 2.5	PASS
16QAM	LCH	VL	TN	-1.19	-0.001699	± 2.5	PASS
		VN	TN	-1.06	-0.001513	± 2.5	PASS

		VH	TN	1.12	0.001599	± 2.5	PASS
	MCH	VL	TN	1.44	0.002035	± 2.5	PASS
		VN	TN	-1.08	-0.001527	± 2.5	PASS
		VH	TN	4.11	0.005809	± 2.5	PASS
	HCH	VL	TN	-1.05	-0.001470	± 2.5	PASS
		VN	TN	2.48	0.003471	± 2.5	PASS
		VH	TN	4.54	0.006354	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.63	-0.000899	± 2.5	PASS
		VN	-20	3.73	0.005325	± 2.5	PASS
		VN	-10	4.04	0.005767	± 2.5	PASS
		VN	0	1.5	0.002141	± 2.5	PASS
		VN	10	4.46	0.006367	± 2.5	PASS
		VN	20	4.33	0.006181	± 2.5	PASS
		VN	30	5	0.007138	± 2.5	PASS
		VN	40	4.41	0.006296	± 2.5	PASS
		VN	50	3.91	0.005582	± 2.5	PASS
	MCH	VN	-30	2.32	0.003279	± 2.5	PASS
		VN	-20	3.24	0.004580	± 2.5	PASS
		VN	-10	4.65	0.006572	± 2.5	PASS
		VN	0	4.43	0.006261	± 2.5	PASS
		VN	10	-0.69	-0.000975	± 2.5	PASS
		VN	20	4.71	0.006657	± 2.5	PASS
		VN	30	1.16	0.001640	± 2.5	PASS
		VN	40	0.59	0.000834	± 2.5	PASS
		VN	50	-0.76	-0.001074	± 2.5	PASS
	HCH	VN	-30	4.13	0.005780	± 2.5	PASS
		VN	-20	3.65	0.005108	± 2.5	PASS
		VN	-10	0.61	0.000854	± 2.5	PASS
		VN	0	1.86	0.002603	± 2.5	PASS
		VN	10	4.42	0.006186	± 2.5	PASS
		VN	20	-1.47	-0.002057	± 2.5	PASS
		VN	30	3.2	0.004479	± 2.5	PASS
		VN	40	3.97	0.005556	± 2.5	PASS
		VN	50	0.61	0.000854	± 2.5	PASS
16QAM	LCH	VN	-30	3.52	0.005025	± 2.5	PASS
		VN	-20	-0.19	-0.000271	± 2.5	PASS
		VN	-10	0.73	0.001042	± 2.5	PASS
		VN	0	3.86	0.005510	± 2.5	PASS
		VN	10	2.58	0.003683	± 2.5	PASS
		VN	20	3.85	0.005496	± 2.5	PASS
		VN	30	2.74	0.003911	± 2.5	PASS
		VN	40	-1.23	-0.001756	± 2.5	PASS
		VN	50	1.63	0.002327	± 2.5	PASS
	MCH	VN	-30	2.34	0.003307	± 2.5	PASS
		VN	-20	0.44	0.000622	± 2.5	PASS
		VN	-10	1.33	0.001880	± 2.5	PASS

		VN	0	3.42	0.004834	± 2.5	PASS
		VN	10	4.47	0.006318	± 2.5	PASS
		VN	20	1.11	0.001569	± 2.5	PASS
		VN	30	-1.15	-0.001625	± 2.5	PASS
		VN	40	3.32	0.004693	± 2.5	PASS
		VN	50	-1.35	-0.001908	± 2.5	PASS
	HCH	VN	-30	1.39	0.001945	± 2.5	PASS
		VN	-20	1.33	0.001861	± 2.5	PASS
		VN	-10	3.75	0.005248	± 2.5	PASS
		VN	0	1.02	0.001428	± 2.5	PASS
		VN	10	-1.27	-0.001777	± 2.5	PASS
		VN	20	4.58	0.006410	± 2.5	PASS
		VN	30	2.56	0.003583	± 2.5	PASS
		VN	40	0.33	0.000462	± 2.5	PASS
		VN	50	0.7	0.000980	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.84	0.001197	± 2.5	PASS
		VN	TN	1.69	0.002409	± 2.5	PASS
		VH	TN	2.84	0.004048	± 2.5	PASS
	MCH	VL	TN	4.42	0.006247	± 2.5	PASS
		VN	TN	1.95	0.002756	± 2.5	PASS
		VH	TN	3.74	0.005286	± 2.5	PASS
	HCH	VL	TN	0.49	0.000687	± 2.5	PASS
		VN	TN	4.63	0.006489	± 2.5	PASS
		VH	TN	-0.1	-0.000140	± 2.5	PASS
16QAM	LCH	VL	TN	4.11	0.005859	± 2.5	PASS
		VN	TN	4.59	0.006543	± 2.5	PASS
		VH	TN	4.92	0.007014	± 2.5	PASS
	MCH	VL	TN	2.56	0.003618	± 2.5	PASS
		VN	TN	1.87	0.002643	± 2.5	PASS
		VH	TN	-0.87	-0.001230	± 2.5	PASS
	HCH	VL	TN	1.67	0.002341	± 2.5	PASS
		VN	TN	3.12	0.004373	± 2.5	PASS
		VH	TN	4.86	0.006811	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.96	0.005645	± 2.5	PASS
		VN	-20	-0.05	-0.000071	± 2.5	PASS
		VN	-10	4.85	0.006914	± 2.5	PASS
		VN	0	1.78	0.002537	± 2.5	PASS
		VN	10	1.19	0.001696	± 2.5	PASS
		VN	20	4.79	0.006828	± 2.5	PASS
		VN	30	0.06	0.000086	± 2.5	PASS

		VN	40	-1.41	-0.002010	± 2.5	PASS
		VN	50	-1.59	-0.002267	± 2.5	PASS
	MCH	VN	-30	0.25	0.000353	± 2.5	PASS
		VN	-20	0.01	0.000014	± 2.5	PASS
		VN	-10	3.62	0.005117	± 2.5	PASS
		VN	0	1.02	0.001442	± 2.5	PASS
		VN	10	-1.14	-0.001611	± 2.5	PASS
		VN	20	3.87	0.005470	± 2.5	PASS
		VN	30	0.66	0.000933	± 2.5	PASS
		VN	40	-1.21	-0.001710	± 2.5	PASS
		VN	50	4.63	0.006544	± 2.5	PASS
	HCH	VN	-30	2.99	0.004191	± 2.5	PASS
		VN	-20	3.9	0.005466	± 2.5	PASS
		VN	-10	-0.24	-0.000336	± 2.5	PASS
		VN	0	2.73	0.003826	± 2.5	PASS
		VN	10	0.09	0.000126	± 2.5	PASS
		VN	20	3.82	0.005354	± 2.5	PASS
		VN	30	3.07	0.004303	± 2.5	PASS
		VN	40	2.58	0.003616	± 2.5	PASS
		VN	50	2.93	0.004107	± 2.5	PASS
16QAM	LCH	VN	-30	4.39	0.006258	± 2.5	PASS
		VN	-20	1.48	0.002110	± 2.5	PASS
		VN	-10	-0.66	-0.000941	± 2.5	PASS
		VN	0	0.63	0.000898	± 2.5	PASS
		VN	10	0.63	0.000898	± 2.5	PASS
		VN	20	2.18	0.003108	± 2.5	PASS
		VN	30	3.33	0.004747	± 2.5	PASS
		VN	40	4.96	0.007071	± 2.5	PASS
		VN	50	4.7	0.006700	± 2.5	PASS
	MCH	VN	-30	0.76	0.001074	± 2.5	PASS
		VN	-20	-1.78	-0.002516	± 2.5	PASS
		VN	-10	1.5	0.002120	± 2.5	PASS
		VN	0	3.39	0.004792	± 2.5	PASS
		VN	10	1.25	0.001767	± 2.5	PASS
		VN	20	1.06	0.001498	± 2.5	PASS
		VN	30	-0.89	-0.001258	± 2.5	PASS
		VN	40	2.96	0.004184	± 2.5	PASS
		VN	50	-1.73	-0.002445	± 2.5	PASS
	HCH	VN	-30	1.06	0.001486	± 2.5	PASS
		VN	-20	0.11	0.000154	± 2.5	PASS
		VN	-10	0.57	0.000799	± 2.5	PASS
		VN	0	4.05	0.005676	± 2.5	PASS
		VN	10	0.42	0.000589	± 2.5	PASS
		VN	20	-0.24	-0.000336	± 2.5	PASS
		VN	30	0.69	0.000967	± 2.5	PASS
		VN	40	0.95	0.001331	± 2.5	PASS
		VN	50	1.5	0.002102	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.99	0.004247	± 2.5	PASS
		VN	TN	0.93	0.001321	± 2.5	PASS
		VH	TN	1.79	0.002543	± 2.5	PASS
	MCH	VL	TN	-0.6	-0.000848	± 2.5	PASS
		VN	TN	-0.23	-0.000325	± 2.5	PASS
		VH	TN	-1.31	-0.001852	± 2.5	PASS
	HCH	VL	TN	3.45	0.004852	± 2.5	PASS
		VN	TN	3.73	0.005246	± 2.5	PASS
		VH	TN	-0.69	-0.000970	± 2.5	PASS
16QAM	LCH	VL	TN	0.15	0.000213	± 2.5	PASS
		VN	TN	0.17	0.000241	± 2.5	PASS
		VH	TN	-0.27	-0.000384	± 2.5	PASS
	MCH	VL	TN	3.8	0.005371	± 2.5	PASS
		VN	TN	1.96	0.002770	± 2.5	PASS
		VH	TN	-1.09	-0.001541	± 2.5	PASS
	HCH	VL	TN	-0.82	-0.001153	± 2.5	PASS
		VN	TN	-1.89	-0.002658	± 2.5	PASS
		VH	TN	-1.03	-0.001449	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.74	0.002472	± 2.5	PASS
		VN	-20	-1.86	-0.002642	± 2.5	PASS
		VN	-10	1.63	0.002315	± 2.5	PASS
		VN	0	0.43	0.000611	± 2.5	PASS
		VN	10	0.21	0.000298	± 2.5	PASS
		VN	20	-0.22	-0.000313	± 2.5	PASS
		VN	30	3.76	0.005341	± 2.5	PASS
		VN	40	4.73	0.006719	± 2.5	PASS
		VN	50	1.47	0.002088	± 2.5	PASS
	MCH	VN	-30	-0.59	-0.000834	± 2.5	PASS
		VN	-20	2.68	0.003788	± 2.5	PASS
		VN	-10	4.03	0.005696	± 2.5	PASS
		VN	0	3.57	0.005046	± 2.5	PASS
		VN	10	-1.71	-0.002417	± 2.5	PASS
		VN	20	2.15	0.003039	± 2.5	PASS
		VN	30	-1.45	-0.002049	± 2.5	PASS
		VN	40	2	0.002827	± 2.5	PASS
		VN	50	2.91	0.004113	± 2.5	PASS
	HCH	VN	-30	-1.71	-0.002405	± 2.5	PASS
		VN	-20	-0.07	-0.000098	± 2.5	PASS
		VN	-10	3.43	0.004824	± 2.5	PASS
		VN	0	0.52	0.000731	± 2.5	PASS

		VN	10	4.61	0.006484	± 2.5	PASS
		VN	20	2.3	0.003235	± 2.5	PASS
		VN	30	3.16	0.004444	± 2.5	PASS
		VN	40	2.25	0.003165	± 2.5	PASS
		VN	50	4.48	0.006301	± 2.5	PASS
16QAM	LCH	VN	-30	-1.58	-0.002244	± 2.5	PASS
		VN	-20	1.68	0.002386	± 2.5	PASS
		VN	-10	4.21	0.005980	± 2.5	PASS
		VN	0	3.3	0.004688	± 2.5	PASS
		VN	10	1.5	0.002131	± 2.5	PASS
		VN	20	1.67	0.002372	± 2.5	PASS
		VN	30	4.11	0.005838	± 2.5	PASS
		VN	40	3.84	0.005455	± 2.5	PASS
		VN	50	3.67	0.005213	± 2.5	PASS
	MCH	VN	-30	4.8	0.006784	± 2.5	PASS
		VN	-20	-1.05	-0.001484	± 2.5	PASS
		VN	-10	1.21	0.001710	± 2.5	PASS
		VN	0	-0.06	-0.000085	± 2.5	PASS
		VN	10	1.34	0.001894	± 2.5	PASS
		VN	20	-1.95	-0.002756	± 2.5	PASS
		VN	30	1.99	0.002813	± 2.5	PASS
		VN	40	0.73	0.001032	± 2.5	PASS
		VN	50	0.02	0.000028	± 2.5	PASS
	HCH	VN	-30	-0.65	-0.000914	± 2.5	PASS
		VN	-20	2.92	0.004107	± 2.5	PASS
		VN	-10	3.25	0.004571	± 2.5	PASS
		VN	0	3.78	0.005316	± 2.5	PASS
		VN	10	-0.82	-0.001153	± 2.5	PASS
		VN	20	-1.98	-0.002785	± 2.5	PASS
		VN	30	3.61	0.005077	± 2.5	PASS
		VN	40	-0.92	-0.001294	± 2.5	PASS
		VN	50	2.64	0.003713	± 2.5	PASS

Band 13

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.17	0.000218	± 2.5	PASS
		VN	TN	3.17	0.004067	± 2.5	PASS
		VH	TN	0.6	0.000770	± 2.5	PASS
	MCH	VL	TN	-1.92	-0.002455	± 2.5	PASS
		VN	TN	-2	-0.002558	± 2.5	PASS
		VH	TN	1.33	0.001701	± 2.5	PASS
	HCH	VL	TN	3.27	0.004168	± 2.5	PASS
		VN	TN	4.02	0.005124	± 2.5	PASS
		VH	TN	1.21	0.001542	± 2.5	PASS
16QAM	LCH	VL	TN	1.61	0.002065	± 2.5	PASS
		VN	TN	-0.33	-0.000423	± 2.5	PASS
		VH	TN	-0.46	-0.000590	± 2.5	PASS
	MCH	VL	TN	1.76	0.002251	± 2.5	PASS
		VN	TN	-0.58	-0.000742	± 2.5	PASS
		VH	TN	3.5	0.004476	± 2.5	PASS
	HCH	VL	TN	0.66	0.000084	± 2.5	PASS
		VN	TN	0.02	0.000003	± 2.5	PASS
		VH	TN	2.23	0.000285	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.73	-0.000936	± 2.5	PASS
		VN	-20	0.54	0.000693	± 2.5	PASS
		VN	-10	0.28	0.000359	± 2.5	PASS
		VN	0	-1.87	-0.002399	± 2.5	PASS
		VN	10	4.54	0.005824	± 2.5	PASS
		VN	20	3.67	0.004708	± 2.5	PASS
		VN	30	-0.13	-0.000167	± 2.5	PASS
		VN	40	-1.28	-0.001642	± 2.5	PASS
		VN	50	2.12	0.002720	± 2.5	PASS
	MCH	VN	-30	2.84	0.003632	± 2.5	PASS
		VN	-20	4.21	0.005384	± 2.5	PASS
		VN	-10	-1.7	-0.002174	± 2.5	PASS
		VN	0	1.48	0.001893	± 2.5	PASS
		VN	10	2.55	0.003261	± 2.5	PASS
		VN	20	2.01	0.002570	± 2.5	PASS
		VN	30	2.77	0.003542	± 2.5	PASS
		VN	40	-1.2	-0.001535	± 2.5	PASS
		VN	50	0.52	0.000665	± 2.5	PASS
	HCH	VN	-30	0.23	0.000293	± 2.5	PASS
		VN	-20	3.17	0.004041	± 2.5	PASS
		VN	-10	4.58	0.005838	± 2.5	PASS

		VN	0	1.51	0.001925	± 2.5	PASS
		VN	10	-1.23	-0.001568	± 2.5	PASS
		VN	20	3.27	0.004168	± 2.5	PASS
		VN	30	0.49	0.000625	± 2.5	PASS
		VN	40	3.68	0.004691	± 2.5	PASS
		VN	50	-0.63	-0.000808	± 2.5	PASS
16QAM	LCH	VN	-30	0.77	0.000988	± 2.5	PASS
		VN	-20	4.81	0.006171	± 2.5	PASS
		VN	-10	1.21	0.001552	± 2.5	PASS
		VN	0	3.72	0.004772	± 2.5	PASS
		VN	10	0.36	0.000462	± 2.5	PASS
		VN	20	3.68	0.004721	± 2.5	PASS
		VN	30	-1.09	-0.001398	± 2.5	PASS
		VN	40	2.53	0.003246	± 2.5	PASS
		VN	50	-1.26	-0.001616	± 2.5	PASS
	MCH	VN	-30	2.86	0.003646	± 2.5	PASS
		VN	-20	4.91	0.006259	± 2.5	PASS
		VN	-10	-0.53	-0.000676	± 2.5	PASS
		VN	0	0.16	0.000204	± 2.5	PASS
		VN	10	3.39	0.004321	± 2.5	PASS
		VN	20	2.31	0.002945	± 2.5	PASS
		VN	30	2.39	0.003047	± 2.5	PASS
		VN	40	2.98	0.003799	± 2.5	PASS
		VN	50	1.78	0.002269	± 2.5	PASS
	HCH	VN	-30	-1.12	-0.001428	± 2.5	PASS
		VN	-20	3.06	0.003901	± 2.5	PASS
		VN	-10	1.42	0.001810	± 2.5	PASS
		VN	0	-1.93	-0.002460	± 2.5	PASS
		VN	10	0.88	0.001122	± 2.5	PASS
		VN	20	3.96	0.005048	± 2.5	PASS
		VN	30	-0.23	-0.000293	± 2.5	PASS
		VN	40	4.63	0.005902	± 2.5	PASS
		VN	50	-0.85	-0.001083	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.13	-0.000166	± 2.5	PASS
		VN	TN	1.48	0.001893	± 2.5	PASS
		VH	TN	4.56	0.005831	± 2.5	PASS
	MCH	VL	TN	-0.56	-0.000716	± 2.5	PASS
		VN	TN	1.79	0.002289	± 2.5	PASS
		VH	TN	3.68	0.004706	± 2.5	PASS
	HCH	VL	TN	-0.27	-0.000345	± 2.5	PASS
		VN	TN	0.8	0.001023	± 2.5	PASS
		VH	TN	3.14	0.004015	± 2.5	PASS
16QAM	LCH	VL	TN	0.91	0.001164	± 2.5	PASS
		VN	TN	4.55	0.005818	± 2.5	PASS
		VH	TN	-1.85	-0.002366	± 2.5	PASS
	MCH	VL	TN	1.31	0.001675	± 2.5	PASS
		VN	TN	4.07	0.005205	± 2.5	PASS
		VH	TN	3.88	0.004962	± 2.5	PASS
	HCH	VL	TN	1.32	0.001688	± 2.5	PASS
		VN	TN	2.19	0.002801	± 2.5	PASS
		VH	TN	1.76	0.002251	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.38	0.005601	± 2.5	PASS
		VN	-20	-0.9	-0.001151	± 2.5	PASS
		VN	-10	2.11	0.002698	± 2.5	PASS
		VN	0	-1.49	-0.001905	± 2.5	PASS
		VN	10	4.77	0.006100	± 2.5	PASS
		VN	20	2.67	0.003414	± 2.5	PASS
		VN	30	2.89	0.003696	± 2.5	PASS
		VN	40	0.14	0.000179	± 2.5	PASS
		VN	50	2.54	0.003248	± 2.5	PASS
	MCH	VN	-30	-1.73	-0.002212	± 2.5	PASS
		VN	-20	0.77	0.000985	± 2.5	PASS
		VN	-10	1.62	0.002072	± 2.5	PASS
		VN	0	-0.28	-0.000358	± 2.5	PASS
		VN	10	0.3	0.000384	± 2.5	PASS
		VN	20	-1.71	-0.002187	± 2.5	PASS
		VN	30	-1.14	-0.001458	± 2.5	PASS
		VN	40	0.15	0.000192	± 2.5	PASS
		VN	50	-1.91	-0.002442	± 2.5	PASS
	HCH	VN	-30	0.12	0.000153	± 2.5	PASS
		VN	-20	3.31	0.004233	± 2.5	PASS
		VN	-10	0.79	0.001010	± 2.5	PASS
		VN	0	-1.32	-0.001688	± 2.5	PASS

		VN	10	1.81	0.002315	± 2.5	PASS
		VN	20	4.35	0.005563	± 2.5	PASS
		VN	30	0.23	0.000294	± 2.5	PASS
		VN	40	3.56	0.004552	± 2.5	PASS
		VN	50	3.01	0.003849	± 2.5	PASS
	LCH	VN	-30	1.05	0.001343	± 2.5	PASS
		VN	-20	-0.96	-0.001228	± 2.5	PASS
		VN	-10	0.57	0.000729	± 2.5	PASS
		VN	0	-0.88	-0.001125	± 2.5	PASS
		VN	10	0.56	0.000716	± 2.5	PASS
		VN	20	3.67	0.004693	± 2.5	PASS
		VN	30	3.79	0.004847	± 2.5	PASS
		VN	40	1.17	0.001496	± 2.5	PASS
		VN	50	-1.81	-0.002315	± 2.5	PASS
	MCH	VN	-30	1.31	0.001675	± 2.5	PASS
		VN	-20	4.32	0.005524	± 2.5	PASS
		VN	-10	3.21	0.004105	± 2.5	PASS
		VN	0	2.7	0.003453	± 2.5	PASS
16QAM		VN	10	3.44	0.004399	± 2.5	PASS
		VN	20	-0.85	-0.001087	± 2.5	PASS
		VN	30	0.49	0.000627	± 2.5	PASS
		VN	40	2.92	0.003734	± 2.5	PASS
		VN	50	3.61	0.004616	± 2.5	PASS
	HCH	VN	-30	1.62	0.002072	± 2.5	PASS
		VN	-20	0.04	0.000051	± 2.5	PASS
		VN	-10	-1.85	-0.002366	± 2.5	PASS
		VN	0	3.9	0.004987	± 2.5	PASS
		VN	10	-1.55	-0.001982	± 2.5	PASS
		VN	20	4.31	0.005512	± 2.5	PASS
		VN	30	1.12	0.001432	± 2.5	PASS
		VN	40	1.11	0.001419	± 2.5	PASS
		VN	50	0.79	0.001010	± 2.5	PASS

Band 14

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.99	-0.001252	± 2.5	PASS
		VN	TN	2.71	0.003428	± 2.5	PASS
		VH	TN	-0.4	-0.000506	± 2.5	PASS
	MCH	VL	TN	4.47	0.005637	± 2.5	PASS
		VN	TN	2.61	0.003291	± 2.5	PASS
		VH	TN	3.19	0.004023	± 2.5	PASS
	HCH	VL	TN	-0.76	-0.000955	± 2.5	PASS
		VN	TN	0.35	0.000440	± 2.5	PASS
		VH	TN	-1.41	-0.001772	± 2.5	PASS
16QAM	LCH	VL	TN	2.44	0.003087	± 2.5	PASS
		VN	TN	1.54	0.001948	± 2.5	PASS
		VH	TN	2.63	0.003327	± 2.5	PASS
	MCH	VL	TN	2.57	0.003241	± 2.5	PASS
		VN	TN	4.61	0.005813	± 2.5	PASS
		VH	TN	2.35	0.002963	± 2.5	PASS
	HCH	VL	TN	0.87	0.001094	± 2.5	PASS
		VN	TN	-0.14	-0.000176	± 2.5	PASS
		VH	TN	-0.46	-0.000578	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.12	0.005212	± 2.5	PASS
		VN	-20	-1.54	-0.001948	± 2.5	PASS
		VN	-10	3.7	0.004681	± 2.5	PASS
		VN	0	-0.04	-0.000051	± 2.5	PASS
		VN	10	-0.83	-0.001050	± 2.5	PASS
		VN	20	1.33	0.001682	± 2.5	PASS
		VN	30	2.43	0.003074	± 2.5	PASS
		VN	40	2.08	0.002631	± 2.5	PASS
		VN	50	1.92	0.002429	± 2.5	PASS
	MCH	VN	-30	1.04	0.001311	± 2.5	PASS
		VN	-20	-0.42	-0.000530	± 2.5	PASS
		VN	-10	3.24	0.004086	± 2.5	PASS
		VN	0	1.87	0.002358	± 2.5	PASS
		VN	10	-1.07	-0.001349	± 2.5	PASS
		VN	20	-1.46	-0.001841	± 2.5	PASS
		VN	30	1.12	0.001412	± 2.5	PASS
		VN	40	0.9	0.001135	± 2.5	PASS
		VN	50	1.49	0.001879	± 2.5	PASS
	HCH	VN	-30	3.71	0.004664	± 2.5	PASS
		VN	-20	0.35	0.000440	± 2.5	PASS
		VN	-10	3.44	0.004324	± 2.5	PASS
		VN	0	-0.97	-0.001219	± 2.5	PASS

		VN	10	1.33	0.001672	± 2.5	PASS
		VN	20	0.05	0.000063	± 2.5	PASS
		VN	30	2.08	0.002615	± 2.5	PASS
		VN	40	3.68	0.004626	± 2.5	PASS
		VN	50	-0.29	-0.000365	± 2.5	PASS
16QAM	LCH	VN	-30	4.03	0.005098	± 2.5	PASS
		VN	-20	-1.14	-0.001442	± 2.5	PASS
		VN	-10	4.28	0.005414	± 2.5	PASS
		VN	0	0.54	0.000683	± 2.5	PASS
		VN	10	2.95	0.003732	± 2.5	PASS
		VN	20	-1.01	-0.001278	± 2.5	PASS
		VN	30	3.31	0.004187	± 2.5	PASS
		VN	40	-0.2	-0.000253	± 2.5	PASS
		VN	50	-0.38	-0.000481	± 2.5	PASS
	MCH	VN	-30	-1.16	-0.001463	± 2.5	PASS
		VN	-20	4.17	0.005259	± 2.5	PASS
		VN	-10	1.61	0.002030	± 2.5	PASS
		VN	0	0.43	0.000542	± 2.5	PASS
		VN	10	3.25	0.004098	± 2.5	PASS
		VN	20	4.28	0.005397	± 2.5	PASS
		VN	30	2.17	0.002736	± 2.5	PASS
		VN	40	0.48	0.000605	± 2.5	PASS
		VN	50	4.52	0.005700	± 2.5	PASS
	HCH	VN	-30	2.99	0.003759	± 2.5	PASS
		VN	-20	-0.36	-0.000453	± 2.5	PASS
		VN	-10	2.47	0.003105	± 2.5	PASS
		VN	0	-0.84	-0.001056	± 2.5	PASS
		VN	10	0.38	0.000478	± 2.5	PASS
		VN	20	0.01	0.000013	± 2.5	PASS
		VN	30	1.25	0.001571	± 2.5	PASS
		VN	40	0.65	0.000817	± 2.5	PASS
		VN	50	1.15	0.001446	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.94	0.002446	± 2.5	PASS
		VN	TN	3.05	0.003846	± 2.5	PASS
		VH	TN	-1.62	-0.002043	± 2.5	PASS
	MCH	VL	TN	1.69	0.002131	± 2.5	PASS
		VN	TN	4.7	0.005927	± 2.5	PASS
		VH	TN	4.83	0.006091	± 2.5	PASS
	HCH	VL	TN	0.27	0.000340	± 2.5	PASS
		VN	TN	-1.43	-0.001803	± 2.5	PASS
		VH	TN	4.33	0.005460	± 2.5	PASS
16QAM	LCH	VL	TN	2.61	0.003291	± 2.5	PASS
		VN	TN	-1.73	-0.002182	± 2.5	PASS
		VH	TN	0.08	0.000101	± 2.5	PASS
	MCH	VL	TN	-1.35	-0.001702	± 2.5	PASS
		VN	TN	1.64	0.002068	± 2.5	PASS
		VH	TN	0.69	0.000870	± 2.5	PASS
	HCH	VL	TN	4.59	0.005788	± 2.5	PASS
		VN	TN	-0.05	-0.000063	± 2.5	PASS
		VH	TN	4.25	0.005359	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.64	-0.002068	± 2.5	PASS
		VN	-20	3.77	0.004754	± 2.5	PASS
		VN	-10	-1.2	-0.001513	± 2.5	PASS
		VN	0	2.59	0.003266	± 2.5	PASS
		VN	10	1.82	0.002295	± 2.5	PASS
		VN	20	2.18	0.002749	± 2.5	PASS
		VN	30	4.74	0.005977	± 2.5	PASS
		VN	40	3.26	0.004111	± 2.5	PASS
		VN	50	1.2	0.001513	± 2.5	PASS
	MCH	VN	-30	3.15	0.003972	± 2.5	PASS
		VN	-20	1.23	0.001551	± 2.5	PASS
		VN	-10	1.87	0.002358	± 2.5	PASS
		VN	0	0.36	0.000454	± 2.5	PASS
		VN	10	3.93	0.004956	± 2.5	PASS
		VN	20	3.35	0.004224	± 2.5	PASS
		VN	30	-0.55	-0.000694	± 2.5	PASS
		VN	40	1.7	0.002144	± 2.5	PASS
		VN	50	0.06	0.000076	± 2.5	PASS
	HCH	VN	-30	0.31	0.000391	± 2.5	PASS
		VN	-20	4.17	0.005259	± 2.5	PASS
		VN	-10	-1.85	-0.002333	± 2.5	PASS
		VN	0	3.31	0.004174	± 2.5	PASS

		VN	10	1.61	0.002030	± 2.5	PASS
		VN	20	2.35	0.002963	± 2.5	PASS
		VN	30	0.42	0.000530	± 2.5	PASS
		VN	40	0.68	0.000858	± 2.5	PASS
		VN	50	0.2	0.000252	± 2.5	PASS
16QAM	LCH	VN	-30	4.86	0.006129	± 2.5	PASS
		VN	-20	0.75	0.000946	± 2.5	PASS
		VN	-10	-0.12	-0.000151	± 2.5	PASS
		VN	0	-1.88	-0.002371	± 2.5	PASS
		VN	10	-0.73	-0.000921	± 2.5	PASS
		VN	20	2.12	0.002673	± 2.5	PASS
		VN	30	-0.89	-0.001122	± 2.5	PASS
		VN	40	-1.07	-0.001349	± 2.5	PASS
		VN	50	0.38	0.000479	± 2.5	PASS
	MCH	VN	-30	-0.36	-0.000454	± 2.5	PASS
		VN	-20	3.58	0.004515	± 2.5	PASS
		VN	-10	2.01	0.002535	± 2.5	PASS
		VN	0	4.45	0.005612	± 2.5	PASS
		VN	10	2.4	0.003026	± 2.5	PASS
		VN	20	-1.34	-0.001690	± 2.5	PASS
		VN	30	1.08	0.001362	± 2.5	PASS
		VN	40	2.35	0.002963	± 2.5	PASS
		VN	50	0.47	0.000593	± 2.5	PASS
	HCH	VN	-30	4.92	0.006204	± 2.5	PASS
		VN	-20	2.33	0.002938	± 2.5	PASS
		VN	-10	-1.99	-0.002509	± 2.5	PASS
		VN	0	4.11	0.005183	± 2.5	PASS
		VN	10	-0.34	-0.000429	± 2.5	PASS
		VN	20	4.74	0.005977	± 2.5	PASS
		VN	30	-1.74	-0.002194	± 2.5	PASS
		VN	40	-1.47	-0.001854	± 2.5	PASS
		VN	50	4.04	0.005095	± 2.5	PASS

Band 66

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.4	-0.000818	± 2.5	PASS
		VN	TN	2.46	0.001438	± 2.5	PASS
		VH	TN	2.95	0.001724	± 2.5	PASS
	MCH	VL	TN	3.38	0.001937	± 2.5	PASS
		VN	TN	0.98	0.000562	± 2.5	PASS
		VH	TN	4.9	0.002808	± 2.5	PASS
	HCH	VL	TN	0.62	0.000348	± 2.5	PASS
		VN	TN	0.45	0.000253	± 2.5	PASS
		VH	TN	4.23	0.002377	± 2.5	PASS
16QAM	LCH	VL	TN	1.71	0.001000	± 2.5	PASS
		VN	TN	0.98	0.000573	± 2.5	PASS
		VH	TN	2.54	0.001485	± 2.5	PASS
	MCH	VL	TN	-1.37	-0.000785	± 2.5	PASS
		VN	TN	-0.64	-0.000367	± 2.5	PASS
		VH	TN	4.73	0.002711	± 2.5	PASS
	HCH	VL	TN	0.68	0.000382	± 2.5	PASS
		VN	TN	2.76	0.001551	± 2.5	PASS
		VH	TN	2.37	0.001332	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.82	0.000479	± 2.5	PASS
		VN	-20	2.59	0.001514	± 2.5	PASS
		VN	-10	-1.49	-0.000871	± 2.5	PASS
		VN	0	-0.16	-0.000094	± 2.5	PASS
		VN	10	0.88	0.000514	± 2.5	PASS
		VN	20	-0.74	-0.000433	± 2.5	PASS
		VN	30	0.37	0.000216	± 2.5	PASS
		VN	40	-0.18	-0.000105	± 2.5	PASS
		VN	50	2.18	0.001274	± 2.5	PASS
	MCH	VN	-30	3.93	0.002252	± 2.5	PASS
		VN	-20	4.13	0.002367	± 2.5	PASS
		VN	-10	2.07	0.001186	± 2.5	PASS
		VN	0	3.91	0.002241	± 2.5	PASS
		VN	10	-0.91	-0.000521	± 2.5	PASS
		VN	20	4.31	0.002470	± 2.5	PASS
		VN	30	2.7	0.001547	± 2.5	PASS
		VN	40	-1.1	-0.000630	± 2.5	PASS
		VN	50	4.8	0.002751	± 2.5	PASS
	HCH	VN	-30	-1.56	-0.000877	± 2.5	PASS
		VN	-20	1.7	0.000955	± 2.5	PASS
		VN	-10	1.6	0.000899	± 2.5	PASS

		VN	0	-1.4	-0.000787	± 2.5	PASS
		VN	10	1.84	0.001034	± 2.5	PASS
		VN	20	-1.22	-0.000686	± 2.5	PASS
		VN	30	3.2	0.001798	± 2.5	PASS
		VN	40	2.07	0.001163	± 2.5	PASS
		VN	50	-0.81	-0.000455	± 2.5	PASS
16QAM	LCH	VN	-30	2.62	0.001532	± 2.5	PASS
		VN	-20	-0.96	-0.000561	± 2.5	PASS
		VN	-10	-0.07	-0.000041	± 2.5	PASS
		VN	0	4.26	0.002490	± 2.5	PASS
		VN	10	4.09	0.002391	± 2.5	PASS
		VN	20	-1.57	-0.000918	± 2.5	PASS
		VN	30	1.04	0.000608	± 2.5	PASS
		VN	40	1.75	0.001023	± 2.5	PASS
		VN	50	4.14	0.002420	± 2.5	PASS
	MCH	VN	-30	-0.31	-0.000178	± 2.5	PASS
		VN	-20	-1.2	-0.000688	± 2.5	PASS
		VN	-10	1.21	0.000693	± 2.5	PASS
		VN	0	2.54	0.001456	± 2.5	PASS
		VN	10	3.89	0.002229	± 2.5	PASS
		VN	20	1.98	0.001135	± 2.5	PASS
		VN	30	-0.42	-0.000241	± 2.5	PASS
		VN	40	-1.39	-0.000797	± 2.5	PASS
		VN	50	-0.25	-0.000143	± 2.5	PASS
	HCH	VN	-30	4.23	0.002377	± 2.5	PASS
		VN	-20	1.4	0.000787	± 2.5	PASS
		VN	-10	2.63	0.001478	± 2.5	PASS
		VN	0	4.38	0.002462	± 2.5	PASS
		VN	10	0.77	0.000433	± 2.5	PASS
		VN	20	-0.63	-0.000354	± 2.5	PASS
		VN	30	4.38	0.002462	± 2.5	PASS
		VN	40	1.97	0.001107	± 2.5	PASS
		VN	50	-0.2	-0.000112	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.24	-0.000140	± 2.5	PASS
		VN	TN	2.93	0.001712	± 2.5	PASS
		VH	TN	3.59	0.002098	± 2.5	PASS
	MCH	VL	TN	0.98	0.000562	± 2.5	PASS
		VN	TN	0.59	0.000338	± 2.5	PASS
		VH	TN	3.62	0.002074	± 2.5	PASS
	HCH	VL	TN	0.07	0.000039	± 2.5	PASS
		VN	TN	3	0.001687	± 2.5	PASS
		VH	TN	-0.36	-0.000202	± 2.5	PASS
16QAM	LCH	VL	TN	2.69	0.001572	± 2.5	PASS

		VN	TN	-1.62	-0.000947	± 2.5	PASS
		VH	TN	-1.23	-0.000719	± 2.5	PASS
	MCH	VL	TN	3.25	0.001862	± 2.5	PASS
		VN	TN	1.8	0.001032	± 2.5	PASS
		VH	TN	3.54	0.002029	± 2.5	PASS
	HCH	VL	TN	-0.06	-0.000034	± 2.5	PASS
		VN	TN	3.77	0.002120	± 2.5	PASS
		VH	TN	-0.49	-0.000276	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.14	0.001250	± 2.5	PASS
		VN	-20	2.79	0.001630	± 2.5	PASS
		VN	-10	-0.85	-0.000497	± 2.5	PASS
		VN	0	-1.44	-0.000841	± 2.5	PASS
		VN	10	4.96	0.002898	± 2.5	PASS
		VN	20	2.66	0.001554	± 2.5	PASS
		VN	30	-1.49	-0.000871	± 2.5	PASS
		VN	40	1.98	0.001157	± 2.5	PASS
		VN	50	3.15	0.001840	± 2.5	PASS
	MCH	VN	-30	2.24	0.001284	± 2.5	PASS
		VN	-20	3.3	0.001891	± 2.5	PASS
		VN	-10	0.51	0.000292	± 2.5	PASS
		VN	0	3.88	0.002223	± 2.5	PASS
		VN	10	-1.4	-0.000802	± 2.5	PASS
		VN	20	2.99	0.001713	± 2.5	PASS
		VN	30	4	0.002292	± 2.5	PASS
		VN	40	0.47	0.000269	± 2.5	PASS
		VN	50	2.46	0.001410	± 2.5	PASS
	HCH	VN	-30	1.23	0.000692	± 2.5	PASS
		VN	-20	-1.01	-0.000568	± 2.5	PASS
		VN	-10	4.35	0.002446	± 2.5	PASS
		VN	0	0.12	0.000067	± 2.5	PASS
		VN	10	1.86	0.001046	± 2.5	PASS
		VN	20	0.93	0.000523	± 2.5	PASS
		VN	30	0.82	0.000461	± 2.5	PASS
		VN	40	2.7	0.001518	± 2.5	PASS
		VN	50	-1.11	-0.000624	± 2.5	PASS
16QAM	LCH	VN	-30	-0.07	-0.000041	± 2.5	PASS
		VN	-20	3.62	0.002115	± 2.5	PASS
		VN	-10	4.3	0.002512	± 2.5	PASS
		VN	0	1.55	0.000906	± 2.5	PASS
		VN	10	-1.35	-0.000789	± 2.5	PASS
		VN	20	2.52	0.001472	± 2.5	PASS
		VN	30	0.45	0.000263	± 2.5	PASS
		VN	40	1.75	0.001022	± 2.5	PASS
		VN	50	3.71	0.002168	± 2.5	PASS
	MCH	VN	-30	2.45	0.001404	± 2.5	PASS
		VN	-20	2.8	0.001605	± 2.5	PASS

		VN	-10	3.18	0.001822	± 2.5	PASS
		VN	0	4.37	0.002504	± 2.5	PASS
		VN	10	2.66	0.001524	± 2.5	PASS
		VN	20	-0.87	-0.000499	± 2.5	PASS
		VN	30	3.89	0.002229	± 2.5	PASS
		VN	40	3.27	0.001874	± 2.5	PASS
		VN	50	2.66	0.001524	± 2.5	PASS
	HCH	VN	-30	0.79	0.000444	± 2.5	PASS
		VN	-20	4.47	0.002513	± 2.5	PASS
		VN	-10	1.3	0.000731	± 2.5	PASS
		VN	0	0.88	0.000495	± 2.5	PASS
		VN	10	3.91	0.002198	± 2.5	PASS
		VN	20	-1.75	-0.000984	± 2.5	PASS
		VN	30	3.02	0.001698	± 2.5	PASS
		VN	40	4.46	0.002508	± 2.5	PASS
		VN	50	4.01	0.002255	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.43	-0.000251	± 2.5	PASS
		VN	TN	2.29	0.001337	± 2.5	PASS
		VH	TN	-1.88	-0.001098	± 2.5	PASS
	MCH	VL	TN	1.59	0.000911	± 2.5	PASS
		VN	TN	0.93	0.000533	± 2.5	PASS
		VH	TN	4.47	0.002562	± 2.5	PASS
	HCH	VL	TN	3.71	0.002087	± 2.5	PASS
		VN	TN	3.34	0.001879	± 2.5	PASS
		VH	TN	3.89	0.002188	± 2.5	PASS
16QAM	LCH	VL	TN	4.24	0.002476	± 2.5	PASS
		VN	TN	2.95	0.001723	± 2.5	PASS
		VH	TN	-0.96	-0.000561	± 2.5	PASS
	MCH	VL	TN	4.76	0.002728	± 2.5	PASS
		VN	TN	-1.71	-0.000980	± 2.5	PASS
		VH	TN	-1.99	-0.001140	± 2.5	PASS
	HCH	VL	TN	3.49	0.001963	± 2.5	PASS
		VN	TN	0.92	0.000518	± 2.5	PASS
		VH	TN	3.31	0.001862	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.55	0.001489	± 2.5	PASS
		VN	-20	-0.09	-0.000053	± 2.5	PASS
		VN	-10	1.55	0.000905	± 2.5	PASS
		VN	0	2.46	0.001436	± 2.5	PASS
		VN	10	0.36	0.000210	± 2.5	PASS
		VN	20	4.42	0.002581	± 2.5	PASS

		VN	30	1.66	0.000969	± 2.5	PASS
		VN	40	1.94	0.001133	± 2.5	PASS
		VN	50	2.35	0.001372	± 2.5	PASS
	MCH	VN	-30	2.99	0.001713	± 2.5	PASS
		VN	-20	-0.87	-0.000499	± 2.5	PASS
		VN	-10	-0.16	-0.000092	± 2.5	PASS
		VN	0	0.39	0.000223	± 2.5	PASS
		VN	10	-1.29	-0.000739	± 2.5	PASS
		VN	20	3.99	0.002287	± 2.5	PASS
		VN	30	2.1	0.001203	± 2.5	PASS
		VN	40	0.67	0.000384	± 2.5	PASS
		VN	50	-1.41	-0.000808	± 2.5	PASS
	HCH	VN	-30	4.55	0.002560	± 2.5	PASS
		VN	-20	1.21	0.000681	± 2.5	PASS
		VN	-10	2.49	0.001401	± 2.5	PASS
		VN	0	0.32	0.000180	± 2.5	PASS
		VN	10	-0.48	-0.000270	± 2.5	PASS
		VN	20	4.11	0.002312	± 2.5	PASS
		VN	30	4.56	0.002565	± 2.5	PASS
		VN	40	4.45	0.002504	± 2.5	PASS
		VN	50	3.28	0.001845	± 2.5	PASS
16QAM	LCH	VN	-30	-0.37	-0.000216	± 2.5	PASS
		VN	-20	-1.75	-0.001022	± 2.5	PASS
		VN	-10	3.33	0.001945	± 2.5	PASS
		VN	0	1.76	0.001028	± 2.5	PASS
		VN	10	0.71	0.000415	± 2.5	PASS
		VN	20	-0.26	-0.000152	± 2.5	PASS
		VN	30	4.85	0.002832	± 2.5	PASS
		VN	40	3.43	0.002003	± 2.5	PASS
		VN	50	3.26	0.001904	± 2.5	PASS
	MCH	VN	-30	3.51	0.002011	± 2.5	PASS
		VN	-20	2.64	0.001513	± 2.5	PASS
		VN	-10	1.19	0.000682	± 2.5	PASS
		VN	0	-1.62	-0.000928	± 2.5	PASS
		VN	10	1.18	0.000676	± 2.5	PASS
		VN	20	-0.78	-0.000447	± 2.5	PASS
		VN	30	4.38	0.002510	± 2.5	PASS
		VN	40	3.87	0.002218	± 2.5	PASS
		VN	50	0.16	0.000092	± 2.5	PASS
	HCH	VN	-30	-0.51	-0.000287	± 2.5	PASS
		VN	-20	-0.59	-0.000332	± 2.5	PASS
		VN	-10	4.11	0.002312	± 2.5	PASS
		VN	0	1.53	0.000861	± 2.5	PASS
		VN	10	-1.12	-0.000630	± 2.5	PASS
		VN	20	-0.3	-0.000169	± 2.5	PASS
		VN	30	1.09	0.000613	± 2.5	PASS
		VN	40	-0.07	-0.000039	± 2.5	PASS
		VN	50	-1.62	-0.000911	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.77	0.001032	± 2.5	PASS
		VN	TN	0.68	0.000397	± 2.5	PASS
		VH	TN	4.11	0.002397	± 2.5	PASS
	MCH	VL	TN	4.57	0.002619	± 2.5	PASS
		VN	TN	3.81	0.002183	± 2.5	PASS
		VH	TN	2.34	0.001341	± 2.5	PASS
	HCH	VL	TN	-1.39	-0.000783	± 2.5	PASS
		VN	TN	1.25	0.000704	± 2.5	PASS
		VH	TN	0.59	0.000332	± 2.5	PASS
16QAM	LCH	VL	TN	2.07	0.001207	± 2.5	PASS
		VN	TN	3.12	0.001819	± 2.5	PASS
		VH	TN	0.39	0.000227	± 2.5	PASS
	MCH	VL	TN	0.22	0.000126	± 2.5	PASS
		VN	TN	4.63	0.002653	± 2.5	PASS
		VH	TN	-0.82	-0.000470	± 2.5	PASS
	HCH	VL	TN	-1.7	-0.000958	± 2.5	PASS
		VN	TN	4.57	0.002575	± 2.5	PASS
		VH	TN	0.47	0.000265	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.08	0.001796	± 2.5	PASS
		VN	-20	-2	-0.001166	± 2.5	PASS
		VN	-10	1.34	0.000781	± 2.5	PASS
		VN	0	3.58	0.002087	± 2.5	PASS
		VN	10	0.81	0.000472	± 2.5	PASS
		VN	20	-0.17	-0.000099	± 2.5	PASS
		VN	30	3.94	0.002297	± 2.5	PASS
		VN	40	4.23	0.002466	± 2.5	PASS
		VN	50	-1.22	-0.000711	± 2.5	PASS
	MCH	VN	-30	4.22	0.002418	± 2.5	PASS
		VN	-20	2.4	0.001375	± 2.5	PASS
		VN	-10	2.22	0.001272	± 2.5	PASS
		VN	0	0.3	0.000172	± 2.5	PASS
		VN	10	1.42	0.000814	± 2.5	PASS
		VN	20	-0.54	-0.000309	± 2.5	PASS
		VN	30	0.84	0.000481	± 2.5	PASS
		VN	40	0.47	0.000269	± 2.5	PASS
		VN	50	2.26	0.001295	± 2.5	PASS
	HCH	VN	-30	-0.8	-0.000451	± 2.5	PASS
		VN	-20	-0.88	-0.000496	± 2.5	PASS
		VN	-10	0.51	0.000287	± 2.5	PASS
		VN	0	4.67	0.002631	± 2.5	PASS

		VN	10	1.6	0.000901	± 2.5	PASS
		VN	20	-1.41	-0.000794	± 2.5	PASS
		VN	30	-0.82	-0.000462	± 2.5	PASS
		VN	40	-0.85	-0.000479	± 2.5	PASS
		VN	50	2.01	0.001132	± 2.5	PASS
16QAM	LCH	VN	-30	1.02	0.000595	± 2.5	PASS
		VN	-20	3.18	0.001854	± 2.5	PASS
		VN	-10	2.16	0.001259	± 2.5	PASS
		VN	0	0.92	0.000536	± 2.5	PASS
		VN	10	-0.13	-0.000076	± 2.5	PASS
		VN	20	-1.33	-0.000776	± 2.5	PASS
		VN	30	2.31	0.001347	± 2.5	PASS
		VN	40	0.1	0.000058	± 2.5	PASS
		VN	50	-1.09	-0.000636	± 2.5	PASS
	MCH	VN	-30	4.47	0.002562	± 2.5	PASS
		VN	-20	-1.28	-0.000734	± 2.5	PASS
		VN	-10	2.17	0.001244	± 2.5	PASS
		VN	0	1.53	0.000877	± 2.5	PASS
		VN	10	4.15	0.002378	± 2.5	PASS
		VN	20	2.35	0.001347	± 2.5	PASS
		VN	30	1.75	0.001003	± 2.5	PASS
		VN	40	2.39	0.001370	± 2.5	PASS
		VN	50	0.6	0.000344	± 2.5	PASS
	HCH	VN	-30	-1.86	-0.001048	± 2.5	PASS
		VN	-20	4.8	0.002704	± 2.5	PASS
		VN	-10	-1.68	-0.000946	± 2.5	PASS
		VN	0	1.55	0.000873	± 2.5	PASS
		VN	10	2.31	0.001301	± 2.5	PASS
		VN	20	3.99	0.002248	± 2.5	PASS
		VN	30	4.58	0.002580	± 2.5	PASS
		VN	40	0.68	0.000383	± 2.5	PASS
		VN	50	4.95	0.002789	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.78	0.000454	± 2.5	PASS
		VN	TN	3.85	0.002242	± 2.5	PASS
		VH	TN	1.35	0.000786	± 2.5	PASS
	MCH	VL	TN	1.78	0.001020	± 2.5	PASS
		VN	TN	-0.14	-0.000080	± 2.5	PASS
		VH	TN	1.87	0.001072	± 2.5	PASS
	HCH	VL	TN	-1.92	-0.001083	± 2.5	PASS
		VN	TN	-0.4	-0.000226	± 2.5	PASS
		VH	TN	1.18	0.000666	± 2.5	PASS
16QAM	LCH	VL	TN	2.36	0.001374	± 2.5	PASS
		VN	TN	0.94	0.000547	± 2.5	PASS

		VH	TN	-0.51	-0.000297	± 2.5	PASS
	MCH	VL	TN	3.75	0.002149	± 2.5	PASS
		VN	TN	3.65	0.002092	± 2.5	PASS
		VH	TN	2.5	0.001433	± 2.5	PASS
	HCH	VL	TN	-0.1	-0.000056	± 2.5	PASS
		VN	TN	-0.84	-0.000474	± 2.5	PASS
		VH	TN	3.61	0.002037	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.83	0.001066	± 2.5	PASS
		VN	-20	-1.35	-0.000786	± 2.5	PASS
		VN	-10	-0.38	-0.000221	± 2.5	PASS
		VN	0	1.95	0.001135	± 2.5	PASS
		VN	10	4.53	0.002638	± 2.5	PASS
		VN	20	3.02	0.001758	± 2.5	PASS
		VN	30	4.23	0.002463	± 2.5	PASS
		VN	40	-1.93	-0.001124	± 2.5	PASS
		VN	50	1.18	0.000687	± 2.5	PASS
	MCH	VN	-30	2.64	0.001513	± 2.5	PASS
		VN	-20	0.23	0.000132	± 2.5	PASS
		VN	-10	2.14	0.001226	± 2.5	PASS
		VN	0	1.44	0.000825	± 2.5	PASS
		VN	10	-1.52	-0.000871	± 2.5	PASS
		VN	20	3.67	0.002103	± 2.5	PASS
		VN	30	4.06	0.002327	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	-0.14	-0.000080	± 2.5	PASS
	HCH	VN	-30	3	0.001693	± 2.5	PASS
		VN	-20	-1.47	-0.000829	± 2.5	PASS
		VN	-10	-1.94	-0.001094	± 2.5	PASS
		VN	0	0.47	0.000265	± 2.5	PASS
		VN	10	-0.54	-0.000305	± 2.5	PASS
		VN	20	-1.63	-0.000920	± 2.5	PASS
		VN	30	-1.29	-0.000728	± 2.5	PASS
		VN	40	-0.36	-0.000203	± 2.5	PASS
		VN	50	-0.95	-0.000536	± 2.5	PASS
16QAM	LCH	VN	-30	-0.69	-0.000402	± 2.5	PASS
		VN	-20	2.67	0.001555	± 2.5	PASS
		VN	-10	1.26	0.000734	± 2.5	PASS
		VN	0	2.15	0.001252	± 2.5	PASS
		VN	10	3.86	0.002247	± 2.5	PASS
		VN	20	-1.84	-0.001071	± 2.5	PASS
		VN	30	0.91	0.000530	± 2.5	PASS
		VN	40	-0.3	-0.000175	± 2.5	PASS
		VN	50	3.48	0.002026	± 2.5	PASS
	MCH	VN	-30	4.33	0.002481	± 2.5	PASS
		VN	-20	0.51	0.000292	± 2.5	PASS
		VN	-10	3.72	0.002132	± 2.5	PASS

		VN	0	0.06	0.000034	± 2.5	PASS
		VN	10	0.45	0.000258	± 2.5	PASS
		VN	20	3.31	0.001897	± 2.5	PASS
		VN	30	3.55	0.002034	± 2.5	PASS
		VN	40	2.31	0.001324	± 2.5	PASS
		VN	50	0.38	0.000218	± 2.5	PASS
	HCH	VN	-30	1.94	0.001094	± 2.5	PASS
		VN	-20	2.69	0.001518	± 2.5	PASS
		VN	-10	-1.69	-0.000953	± 2.5	PASS
		VN	0	4.16	0.002347	± 2.5	PASS
		VN	10	3	0.001693	± 2.5	PASS
		VN	20	0.48	0.000271	± 2.5	PASS
		VN	30	5	0.002821	± 2.5	PASS
		VN	40	1.31	0.000739	± 2.5	PASS
		VN	50	2.57	0.001450	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.3	-0.000756	± 2.5	PASS
		VN	TN	-0.81	-0.000471	± 2.5	PASS
		VH	TN	0.52	0.000302	± 2.5	PASS
	MCH	VL	TN	2.59	0.001484	± 2.5	PASS
		VN	TN	-1.66	-0.000951	± 2.5	PASS
		VH	TN	1.99	0.001140	± 2.5	PASS
	HCH	VL	TN	3.38	0.001910	± 2.5	PASS
		VN	TN	1.74	0.000983	± 2.5	PASS
		VH	TN	0.87	0.000492	± 2.5	PASS
16QAM	LCH	VL	TN	2.9	0.001686	± 2.5	PASS
		VN	TN	0.38	0.000221	± 2.5	PASS
		VH	TN	3.52	0.002047	± 2.5	PASS
	MCH	VL	TN	4.91	0.002814	± 2.5	PASS
		VN	TN	-0.49	-0.000281	± 2.5	PASS
		VH	TN	-0.29	-0.000166	± 2.5	PASS
	HCH	VL	TN	0.48	0.000271	± 2.5	PASS
		VN	TN	-1.22	-0.000689	± 2.5	PASS
		VH	TN	-1.55	-0.000876	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.88	-0.001093	± 2.5	PASS
		VN	-20	-1.97	-0.001145	± 2.5	PASS
		VN	-10	3.85	0.002238	± 2.5	PASS
		VN	0	3.74	0.002174	± 2.5	PASS
		VN	10	2.59	0.001506	± 2.5	PASS
		VN	20	3.29	0.001913	± 2.5	PASS
		VN	30	1.44	0.000837	± 2.5	PASS

		VN	40	-1.48	-0.000860	± 2.5	PASS
		VN	50	-0.95	-0.000552	± 2.5	PASS
	MCH	VN	-30	4.45	0.002550	± 2.5	PASS
		VN	-20	3.83	0.002195	± 2.5	PASS
		VN	-10	-0.53	-0.000304	± 2.5	PASS
		VN	0	0.21	0.000120	± 2.5	PASS
		VN	10	-0.96	-0.000550	± 2.5	PASS
		VN	20	1.4	0.000802	± 2.5	PASS
		VN	30	4.08	0.002338	± 2.5	PASS
		VN	40	0.08	0.000046	± 2.5	PASS
		VN	50	1.78	0.001020	± 2.5	PASS
	HCH	VN	-30	-1.8	-0.001017	± 2.5	PASS
		VN	-20	2.18	0.001232	± 2.5	PASS
		VN	-10	4.22	0.002384	± 2.5	PASS
		VN	0	4.51	0.002548	± 2.5	PASS
		VN	10	0.36	0.000203	± 2.5	PASS
		VN	20	1.23	0.000695	± 2.5	PASS
		VN	30	-0.16	-0.000090	± 2.5	PASS
		VN	40	1.98	0.001119	± 2.5	PASS
		VN	50	4.73	0.002672	± 2.5	PASS
16QAM	LCH	VN	-30	3	0.001744	± 2.5	PASS
		VN	-20	4.03	0.002343	± 2.5	PASS
		VN	-10	3.7	0.002151	± 2.5	PASS
		VN	0	4.04	0.002349	± 2.5	PASS
		VN	10	0.24	0.000140	± 2.5	PASS
		VN	20	-1.69	-0.000983	± 2.5	PASS
		VN	30	0.87	0.000506	± 2.5	PASS
		VN	40	0.07	0.000041	± 2.5	PASS
		VN	50	4.21	0.002448	± 2.5	PASS
	MCH	VN	-30	-0.09	-0.000052	± 2.5	PASS
		VN	-20	-1.41	-0.000808	± 2.5	PASS
		VN	-10	2.25	0.001289	± 2.5	PASS
		VN	0	0.35	0.000201	± 2.5	PASS
		VN	10	-1.97	-0.001129	± 2.5	PASS
		VN	20	3.98	0.002281	± 2.5	PASS
		VN	30	1.57	0.000900	± 2.5	PASS
		VN	40	1.84	0.001054	± 2.5	PASS
		VN	50	-0.33	-0.000189	± 2.5	PASS
	HCH	VN	-30	3.37	0.001904	± 2.5	PASS
		VN	-20	2.88	0.001627	± 2.5	PASS
		VN	-10	-0.43	-0.000243	± 2.5	PASS
		VN	0	4.23	0.002390	± 2.5	PASS
		VN	10	-0.84	-0.000475	± 2.5	PASS
		VN	20	4.89	0.002763	± 2.5	PASS
		VN	30	-1.63	-0.000921	± 2.5	PASS
		VN	40	4.68	0.002644	± 2.5	PASS
		VN	50	2.27	0.001282	± 2.5	PASS

Band 71

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.74	0.007122	± 2.5	PASS
		VN	TN	-0.09	-0.000135	± 2.5	PASS
		VH	TN	-1.62	-0.002434	± 2.5	PASS
	MCH	VL	TN	3.4	0.004996	± 2.5	PASS
		VN	TN	4.62	0.006789	± 2.5	PASS
		VH	TN	-0.5	-0.000735	± 2.5	PASS
	HCH	VL	TN	3.9	0.005607	± 2.5	PASS
		VN	TN	4.77	0.006858	± 2.5	PASS
		VH	TN	-0.88	-0.001265	± 2.5	PASS
16QAM	LCH	VL	TN	4.71	0.007077	± 2.5	PASS
		VN	TN	-0.03	-0.000045	± 2.5	PASS
		VH	TN	-1.61	-0.002419	± 2.5	PASS
	MCH	VL	TN	-0.57	-0.000838	± 2.5	PASS
		VN	TN	3.38	0.004967	± 2.5	PASS
		VH	TN	2.12	0.003115	± 2.5	PASS
	HCH	VL	TN	-1.78	-0.002559	± 2.5	PASS
		VN	TN	3.59	0.005162	± 2.5	PASS
		VH	TN	-1.26	-0.001812	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.01	-0.000015	± 2.5	PASS
		VN	-20	3.92	0.005890	± 2.5	PASS
		VN	-10	4.76	0.007153	± 2.5	PASS
		VN	0	4.03	0.006056	± 2.5	PASS
		VN	10	4.9	0.007363	± 2.5	PASS
		VN	20	3.83	0.005755	± 2.5	PASS
		VN	30	-0.66	-0.000992	± 2.5	PASS
		VN	40	-0.61	-0.000917	± 2.5	PASS
		VN	50	-1.27	-0.001908	± 2.5	PASS
	MCH	VN	-30	0.34	0.000500	± 2.5	PASS
		VN	-20	2.58	0.003791	± 2.5	PASS
		VN	-10	0.71	0.001043	± 2.5	PASS
		VN	0	3.85	0.005658	± 2.5	PASS
		VN	10	2.64	0.003880	± 2.5	PASS
		VN	20	2.44	0.003586	± 2.5	PASS
		VN	30	2.98	0.004379	± 2.5	PASS
		VN	40	-1.99	-0.002924	± 2.5	PASS
		VN	50	-1.18	-0.001734	± 2.5	PASS
	HCH	VN	-30	-0.22	-0.000316	± 2.5	PASS
		VN	-20	0.73	0.001050	± 2.5	PASS
		VN	-10	4.02	0.005780	± 2.5	PASS

		VN	0	4.49	0.006456	± 2.5	PASS
		VN	10	2.95	0.004242	± 2.5	PASS
		VN	20	-1.14	-0.001639	± 2.5	PASS
		VN	30	2.97	0.004270	± 2.5	PASS
		VN	40	3.51	0.005047	± 2.5	PASS
		VN	50	4.37	0.006283	± 2.5	PASS
16QAM	LCH	VN	-30	0.38	0.000571	± 2.5	PASS
		VN	-20	0.76	0.001142	± 2.5	PASS
		VN	-10	0.29	0.000436	± 2.5	PASS
		VN	0	-1.91	-0.002870	± 2.5	PASS
		VN	10	3.43	0.005154	± 2.5	PASS
		VN	20	-0.78	-0.001172	± 2.5	PASS
		VN	30	1.72	0.002585	± 2.5	PASS
		VN	40	2.82	0.004237	± 2.5	PASS
		VN	50	-0.6	-0.000902	± 2.5	PASS
	MCH	VN	-30	2.77	0.004071	± 2.5	PASS
		VN	-20	2.93	0.004306	± 2.5	PASS
		VN	-10	-1.47	-0.002160	± 2.5	PASS
		VN	0	1.42	0.002087	± 2.5	PASS
		VN	10	-1.96	-0.002880	± 2.5	PASS
		VN	20	1.84	0.002704	± 2.5	PASS
		VN	30	-1.84	-0.002704	± 2.5	PASS
		VN	40	0.9	0.001323	± 2.5	PASS
		VN	50	-0.12	-0.000176	± 2.5	PASS
	HCH	VN	-30	-0.48	-0.000690	± 2.5	PASS
		VN	-20	-0.08	-0.000115	± 2.5	PASS
		VN	-10	3.53	0.005075	± 2.5	PASS
		VN	0	3	0.004313	± 2.5	PASS
		VN	10	3.01	0.004328	± 2.5	PASS
		VN	20	-1.23	-0.001769	± 2.5	PASS
		VN	30	1.86	0.002674	± 2.5	PASS
		VN	40	2.22	0.003192	± 2.5	PASS
		VN	50	-0.43	-0.000618	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.56	0.002335	± 2.5	PASS
		VN	TN	3.16	0.004731	± 2.5	PASS
		VH	TN	2.39	0.003578	± 2.5	PASS
	MCH	VL	TN	3.64	0.005349	± 2.5	PASS
		VN	TN	0.03	0.000044	± 2.5	PASS
		VH	TN	0.12	0.000176	± 2.5	PASS
	HCH	VL	TN	2.69	0.003882	± 2.5	PASS
		VN	TN	3.85	0.005556	± 2.5	PASS
		VH	TN	-0.26	-0.000375	± 2.5	PASS
16QAM	LCH	VL	TN	-1.85	-0.002769	± 2.5	PASS

		VN	TN	2.4	0.003593	± 2.5	PASS
		VH	TN	-1.14	-0.001707	± 2.5	PASS
	MCH	VL	TN	4.2	0.006172	± 2.5	PASS
		VN	TN	-1.86	-0.002733	± 2.5	PASS
		VH	TN	3.86	0.005672	± 2.5	PASS
	HCH	VL	TN	2.88	0.004156	± 2.5	PASS
		VN	TN	-0.12	-0.000173	± 2.5	PASS
		VH	TN	1.03	0.001486	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.12	0.000180	± 2.5	PASS
		VN	-20	0.67	0.001003	± 2.5	PASS
		VN	-10	-1.56	-0.002335	± 2.5	PASS
		VN	0	4.14	0.006198	± 2.5	PASS
		VN	10	-1.62	-0.002425	± 2.5	PASS
		VN	20	4.39	0.006572	± 2.5	PASS
		VN	30	3.8	0.005689	± 2.5	PASS
		VN	40	0.21	0.000314	± 2.5	PASS
		VN	50	1.32	0.001976	± 2.5	PASS
	MCH	VN	-30	0.93	0.001367	± 2.5	PASS
		VN	-20	4.47	0.006569	± 2.5	PASS
		VN	-10	3.25	0.004776	± 2.5	PASS
		VN	0	-1.08	-0.001587	± 2.5	PASS
		VN	10	1.63	0.002395	± 2.5	PASS
		VN	20	0.72	0.001058	± 2.5	PASS
		VN	30	0.13	0.000191	± 2.5	PASS
		VN	40	2.02	0.002968	± 2.5	PASS
		VN	50	2.46	0.003615	± 2.5	PASS
	HCH	VN	-30	-1.46	-0.002107	± 2.5	PASS
		VN	-20	1.97	0.002843	± 2.5	PASS
		VN	-10	1.59	0.002294	± 2.5	PASS
		VN	0	0.79	0.001140	± 2.5	PASS
		VN	10	-0.05	-0.000072	± 2.5	PASS
		VN	20	-0.51	-0.000736	± 2.5	PASS
		VN	30	3.48	0.005022	± 2.5	PASS
		VN	40	4	0.005772	± 2.5	PASS
		VN	50	1.24	0.001789	± 2.5	PASS
16QAM	LCH	VN	-30	-1.52	-0.002275	± 2.5	PASS
		VN	-20	4.75	0.007111	± 2.5	PASS
		VN	-10	-0.63	-0.000943	± 2.5	PASS
		VN	0	1.3	0.001946	± 2.5	PASS
		VN	10	3.34	0.005000	± 2.5	PASS
		VN	20	2.45	0.003668	± 2.5	PASS
		VN	30	0.55	0.000823	± 2.5	PASS
		VN	40	0.47	0.000704	± 2.5	PASS
		VN	50	1.37	0.002051	± 2.5	PASS
	MCH	VN	-30	4.8	0.007054	± 2.5	PASS
		VN	-20	3.15	0.004629	± 2.5	PASS

		VN	-10	4.28	0.006289	± 2.5	PASS
		VN	0	-1.22	-0.001793	± 2.5	PASS
		VN	10	1.54	0.002263	± 2.5	PASS
		VN	20	-0.8	-0.001176	± 2.5	PASS
		VN	30	-1.05	-0.001543	± 2.5	PASS
		VN	40	3.18	0.004673	± 2.5	PASS
		VN	50	3.08	0.004526	± 2.5	PASS
	HCH	VN	-30	0.79	0.001140	± 2.5	PASS
		VN	-20	0.01	0.000014	± 2.5	PASS
		VN	-10	3.59	0.005180	± 2.5	PASS
		VN	0	-1.62	-0.002338	± 2.5	PASS
		VN	10	-1.07	-0.001544	± 2.5	PASS
		VN	20	1.7	0.002453	± 2.5	PASS
		VN	30	1.49	0.002150	± 2.5	PASS
		VN	40	-0.1	-0.000144	± 2.5	PASS
		VN	50	1.32	0.001905	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.86	0.002774	± 2.5	PASS
		VN	TN	-1.58	-0.002356	± 2.5	PASS
		VH	TN	2.21	0.003296	± 2.5	PASS
	MCH	VL	TN	0.21	0.000309	± 2.5	PASS
		VN	TN	2.48	0.003644	± 2.5	PASS
		VH	TN	2.45	0.003600	± 2.5	PASS
	HCH	VL	TN	0.63	0.000912	± 2.5	PASS
		VN	TN	0.73	0.001057	± 2.5	PASS
		VH	TN	0.1	0.000145	± 2.5	PASS
16QAM	LCH	VL	TN	3.47	0.005175	± 2.5	PASS
		VN	TN	-0.65	-0.000969	± 2.5	PASS
		VH	TN	-1.2	-0.001790	± 2.5	PASS
	MCH	VL	TN	3.26	0.004791	± 2.5	PASS
		VN	TN	3.12	0.004585	± 2.5	PASS
		VH	TN	1.52	0.002234	± 2.5	PASS
	HCH	VL	TN	2.46	0.003563	± 2.5	PASS
		VN	TN	1.5	0.002172	± 2.5	PASS
		VH	TN	-1.18	-0.001709	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2	0.002983	± 2.5	PASS
		VN	-20	2.14	0.003192	± 2.5	PASS
		VN	-10	1.68	0.002506	± 2.5	PASS
		VN	0	2.1	0.003132	± 2.5	PASS
		VN	10	-1.25	-0.001864	± 2.5	PASS
		VN	20	-0.75	-0.001119	± 2.5	PASS

		VN	30	4.97	0.007412	± 2.5	PASS
		VN	40	2.07	0.003087	± 2.5	PASS
		VN	50	-0.27	-0.000403	± 2.5	PASS
	MCH	VN	-30	2.94	0.004320	± 2.5	PASS
		VN	-20	4.98	0.007318	± 2.5	PASS
		VN	-10	1.29	0.001896	± 2.5	PASS
		VN	0	-0.65	-0.000955	± 2.5	PASS
		VN	10	4.72	0.006936	± 2.5	PASS
		VN	20	-0.54	-0.000794	± 2.5	PASS
		VN	30	0.2	0.000294	± 2.5	PASS
		VN	40	0.84	0.001234	± 2.5	PASS
		VN	50	2.93	0.004306	± 2.5	PASS
	HCH	VN	-30	3.08	0.004461	± 2.5	PASS
		VN	-20	2.2	0.003186	± 2.5	PASS
		VN	-10	2.46	0.003563	± 2.5	PASS
		VN	0	2.2	0.003186	± 2.5	PASS
		VN	10	4.66	0.006749	± 2.5	PASS
		VN	20	0.01	0.000014	± 2.5	PASS
		VN	30	-0.57	-0.000825	± 2.5	PASS
		VN	40	4.78	0.006923	± 2.5	PASS
		VN	50	0.64	0.000927	± 2.5	PASS
16QAM	LCH	VN	-30	2.91	0.004340	± 2.5	PASS
		VN	-20	0.61	0.000910	± 2.5	PASS
		VN	-10	3.32	0.004952	± 2.5	PASS
		VN	0	2.08	0.003102	± 2.5	PASS
		VN	10	1.94	0.002893	± 2.5	PASS
		VN	20	-1.29	-0.001924	± 2.5	PASS
		VN	30	3.68	0.005488	± 2.5	PASS
		VN	40	-1.49	-0.002222	± 2.5	PASS
		VN	50	-0.44	-0.000656	± 2.5	PASS
	MCH	VN	-30	2.43	0.003571	± 2.5	PASS
		VN	-20	4.77	0.007010	± 2.5	PASS
		VN	-10	-0.49	-0.000720	± 2.5	PASS
		VN	0	4.06	0.005966	± 2.5	PASS
		VN	10	4.06	0.005966	± 2.5	PASS
		VN	20	1.09	0.001602	± 2.5	PASS
		VN	30	1.54	0.002263	± 2.5	PASS
		VN	40	-0.2	-0.000294	± 2.5	PASS
		VN	50	-0.69	-0.001014	± 2.5	PASS
	HCH	VN	-30	4.71	0.006821	± 2.5	PASS
		VN	-20	0.47	0.000681	± 2.5	PASS
		VN	-10	1.1	0.001593	± 2.5	PASS
		VN	0	-1.96	-0.002839	± 2.5	PASS
		VN	10	-0.33	-0.000478	± 2.5	PASS
		VN	20	3.13	0.004533	± 2.5	PASS
		VN	30	0.1	0.000145	± 2.5	PASS
		VN	40	3.95	0.005720	± 2.5	PASS
		VN	50	-1.69	-0.002448	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.47	0.005156	± 2.5	PASS
		VN	TN	-0.9	-0.001337	± 2.5	PASS
		VH	TN	2.04	0.003031	± 2.5	PASS
	MCH	VL	TN	2.11	0.003089	± 2.5	PASS
		VN	TN	4.39	0.006428	± 2.5	PASS
		VH	TN	-0.62	-0.000908	± 2.5	PASS
	HCH	VL	TN	-1.4	-0.002035	± 2.5	PASS
		VN	TN	4.65	0.006759	± 2.5	PASS
		VH	TN	4.25	0.006177	± 2.5	PASS
16QAM	LCH	VL	TN	-1.23	-0.001828	± 2.5	PASS
		VN	TN	-0.39	-0.000579	± 2.5	PASS
		VH	TN	4.33	0.006434	± 2.5	PASS
	MCH	VL	TN	4.55	0.006662	± 2.5	PASS
		VN	TN	3.3	0.004832	± 2.5	PASS
		VH	TN	-1.58	-0.002313	± 2.5	PASS
	HCH	VL	TN	-1.79	-0.002602	± 2.5	PASS
		VN	TN	-1.29	-0.001875	± 2.5	PASS
		VH	TN	2.28	0.003314	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.74	-0.002585	± 2.5	PASS
		VN	-20	1.19	0.001768	± 2.5	PASS
		VN	-10	2.3	0.003418	± 2.5	PASS
		VN	0	0.51	0.000758	± 2.5	PASS
		VN	10	-1.35	-0.002006	± 2.5	PASS
		VN	20	-1.82	-0.002704	± 2.5	PASS
		VN	30	-1.29	-0.001917	± 2.5	PASS
		VN	40	4.59	0.006820	± 2.5	PASS
		VN	50	1.55	0.002303	± 2.5	PASS
	MCH	VN	-30	-0.64	-0.000937	± 2.5	PASS
		VN	-20	0.03	0.000044	± 2.5	PASS
		VN	-10	-0.44	-0.000644	± 2.5	PASS
		VN	0	4.48	0.006559	± 2.5	PASS
		VN	10	1.09	0.001596	± 2.5	PASS
		VN	20	0.36	0.000527	± 2.5	PASS
		VN	30	2.83	0.004143	± 2.5	PASS
		VN	40	1.93	0.002826	± 2.5	PASS
		VN	50	3.59	0.005256	± 2.5	PASS
	HCH	VN	-30	-0.42	-0.000610	± 2.5	PASS
		VN	-20	0.93	0.001352	± 2.5	PASS
		VN	-10	-1.98	-0.002878	± 2.5	PASS
		VN	0	2.79	0.004055	± 2.5	PASS

		VN	10	0.34	0.000494	± 2.5	PASS
		VN	20	3.87	0.005625	± 2.5	PASS
		VN	30	-1.62	-0.002355	± 2.5	PASS
		VN	40	2.24	0.003256	± 2.5	PASS
		VN	50	-0.89	-0.001294	± 2.5	PASS
16QAM	LCH	VN	-30	1.94	0.002883	± 2.5	PASS
		VN	-20	-0.05	-0.000074	± 2.5	PASS
		VN	-10	0.22	0.000327	± 2.5	PASS
		VN	0	-1.96	-0.002912	± 2.5	PASS
		VN	10	-1.07	-0.001590	± 2.5	PASS
		VN	20	-1.73	-0.002571	± 2.5	PASS
		VN	30	-1.06	-0.001575	± 2.5	PASS
		VN	40	2.52	0.003744	± 2.5	PASS
		VN	50	2.06	0.003061	± 2.5	PASS
	MCH	VN	-30	1.15	0.001684	± 2.5	PASS
		VN	-20	0.65	0.000952	± 2.5	PASS
		VN	-10	4.34	0.006354	± 2.5	PASS
		VN	0	0.77	0.001127	± 2.5	PASS
		VN	10	4.37	0.006398	± 2.5	PASS
		VN	20	3.08	0.004510	± 2.5	PASS
		VN	30	0.38	0.000556	± 2.5	PASS
		VN	40	3.24	0.004744	± 2.5	PASS
		VN	50	4.24	0.006208	± 2.5	PASS
	HCH	VN	-30	2.11	0.003067	± 2.5	PASS
		VN	-20	4.07	0.005916	± 2.5	PASS
		VN	-10	1.18	0.001715	± 2.5	PASS
		VN	0	-1.59	-0.002311	± 2.5	PASS
		VN	10	-0.9	-0.001308	± 2.5	PASS
		VN	20	0.23	0.000334	± 2.5	PASS
		VN	30	-1.77	-0.002573	± 2.5	PASS
		VN	40	2.26	0.003285	± 2.5	PASS
		VN	50	2.15	0.003125	± 2.5	PASS

APPENDIX I: TEST DATA FOR PEAK TO AVERAGE RATIO

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd2	QPSK	1.4MHz	Low	RB1#0	4.58	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	5.65	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	4.46	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	5.02	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	4.75	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	4.34	<=13	Pass
LTE Babd2	QPSK	3MHz	Low	RB1#0	5.98	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	6.74	<=13	Pass
	QPSK	3MHz	High	RB1#0	6.33	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	5.72	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	6.49	<=13	Pass
	16-QAM	3MHz	High	RB1#0	4.18	<=13	Pass
LTE Babd2	QPSK	5MHz	Low	RB1#0	6.89	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	5.59	<=13	Pass
	QPSK	5MHz	High	RB1#0	6.97	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	4.77	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	6.3	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.64	<=13	Pass
LTE Babd2	QPSK	10MHz	Low	RB1#0	5.84	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	4.76	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.16	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	4.59	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	6.55	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.98	<=13	Pass
LTE Babd2	QPSK	15MHz	Low	RB1#0	6.03	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	5.16	<=13	Pass
	QPSK	15MHz	High	RB1#0	5.29	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	4.41	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	5.55	<=13	Pass
	16-QAM	15MHz	High	RB1#0	5.11	<=13	Pass
LTE Babd2	QPSK	20MHz	Low	RB1#0	5.78	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	5.63	<=13	Pass
	QPSK	20MHz	High	RB1#0	4.96	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	4.61	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	4.76	<=13	Pass
	16-QAM	20MHz	High	RB1#0	6.82	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd4	QPSK	1.4MHz	Low	RB1#0	4.61	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	5.45	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	4.14	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	4.63	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	5.14	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	5.72	<=13	Pass
LTE Babd4	QPSK	3MHz	Low	RB1#0	4.54	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	6.15	<=13	Pass
	QPSK	3MHz	High	RB1#0	5.02	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	4.90	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	5.30	<=13	Pass
	16-QAM	3MHz	High	RB1#0	6.41	<=13	Pass
LTE Babd4	QPSK	5MHz	Low	RB1#0	4.45	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	6.06	<=13	Pass
	QPSK	5MHz	High	RB1#0	5.05	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	4.65	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.68	<=13	Pass
	16-QAM	5MHz	High	RB1#0	4.84	<=13	Pass
LTE Babd4	QPSK	10MHz	Low	RB1#0	6.79	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	6.99	<=13	Pass
	QPSK	10MHz	High	RB1#0	6.31	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	4.84	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	4.16	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.98	<=13	Pass
LTE Babd4	QPSK	15MHz	Low	RB1#0	4.77	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	6.55	<=13	Pass
	QPSK	15MHz	High	RB1#0	5.01	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	5.43	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	5.21	<=13	Pass
	16-QAM	15MHz	High	RB1#0	5.95	<=13	Pass
LTE Babd4	QPSK	20MHz	Low	RB1#0	4.87	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	6.10	<=13	Pass
	QPSK	20MHz	High	RB1#0	6.82	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	4.92	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	5.42	<=13	Pass
	16-QAM	20MHz	High	RB1#0	5.34	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd5	QPSK	1.4MHz	Low	RB1#0	4.61	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	5.45	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	4.54	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	4.42	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	5.29	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	4.47	<=13	Pass
LTE Babd5	QPSK	3MHz	Low	RB1#0	6.71	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	5.39	<=13	Pass
	QPSK	3MHz	High	RB1#0	5.90	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	5.28	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	5.33	<=13	Pass
	16-QAM	3MHz	High	RB1#0	6.95	<=13	Pass
LTE Babd5	QPSK	5MHz	Low	RB1#0	6.05	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.32	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.84	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	4.37	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.23	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.77	<=13	Pass
LTE Babd5	QPSK	10MHz	Low	RB1#0	4.71	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	6.72	<=13	Pass
	QPSK	10MHz	High	RB1#0	6.07	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	4.02	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	6.96	<=13	Pass
	16-QAM	10MHz	High	RB1#0	4.45	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd12	QPSK	1.4MHz	Low	RB1#0	4.46	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	5.45	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	4.81	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	5.43	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	4.41	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	4.27	<=13	Pass
LTE Babd12	QPSK	3MHz	Low	RB1#0	5.46	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	5.95	<=13	Pass
	QPSK	3MHz	High	RB1#0	6.15	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	4.46	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	4.54	<=13	Pass
	16-QAM	3MHz	High	RB1#0	4.23	<=13	Pass
LTE Babd12	QPSK	5MHz	Low	RB1#0	6.46	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	5.25	<=13	Pass
	QPSK	5MHz	High	RB1#0	5.65	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.14	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	4.89	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.19	<=13	Pass
LTE Babd12	QPSK	10MHz	Low	RB1#0	5.32	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	5.61	<=13	Pass
	QPSK	10MHz	High	RB1#0	6.69	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	6.77	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	6.53	<=13	Pass
	16-QAM	10MHz	High	RB1#0	5.84	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd13	QPSK	5MHz	Low	RB1#0	4.49	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	5.30	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.22	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	6.15	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	6.23	<=13	Pass
	16-QAM	5MHz	High	RB1#0	4.64	<=13	Pass
LTE Babd13	QPSK	10MHz	Low	RB1#0	5.00	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	6.21	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.15	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.01	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.74	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.24	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd14	QPSK	5MHz	Low	RB1#0	4.32	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	5.30	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.48	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	4.22	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.15	<=13	Pass
	16-QAM	5MHz	High	RB1#0	4.35	<=13	Pass
LTE Babd14	QPSK	10MHz	Low	RB1#0	6.95	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	5.17	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.05	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	4.22	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.85	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.55	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd66	QPSK	1.4MHz	Low	RB1#0	4.70	<=13	Pass
	QPSK	1.4MHz	Middle	RB1#0	5.57	<=13	Pass
	QPSK	1.4MHz	High	RB1#0	5.82	<=13	Pass
	16-QAM	1.4MHz	Low	RB1#0	5.83	<=13	Pass
	16-QAM	1.4MHz	Middle	RB1#0	5.37	<=13	Pass
	16-QAM	1.4MHz	High	RB1#0	5.72	<=13	Pass
LTE Babd66	QPSK	3MHz	Low	RB1#0	4.32	<=13	Pass
	QPSK	3MHz	Middle	RB1#0	6.57	<=13	Pass
	QPSK	3MHz	High	RB1#0	5.27	<=13	Pass
	16-QAM	3MHz	Low	RB1#0	6.12	<=13	Pass
	16-QAM	3MHz	Middle	RB1#0	4.72	<=13	Pass
	16-QAM	3MHz	High	RB1#0	6.59	<=13	Pass
LTE Babd66	QPSK	5MHz	Low	RB1#0	4.33	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	4.79	<=13	Pass
	QPSK	5MHz	High	RB1#0	5.82	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	5.07	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	4.38	<=13	Pass
	16-QAM	5MHz	High	RB1#0	4.04	<=13	Pass
LTE Babd66	QPSK	10MHz	Low	RB1#0	5.89	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	5.62	<=13	Pass
	QPSK	10MHz	High	RB1#0	5.81	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	6.74	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	4.26	<=13	Pass
	16-QAM	10MHz	High	RB1#0	6.17	<=13	Pass
LTE Babd66	QPSK	15MHz	Low	RB1#0	4.03	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	6.91	<=13	Pass
	QPSK	15MHz	High	RB1#0	6.92	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	6.02	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	4.84	<=13	Pass
	16-QAM	15MHz	High	RB1#0	6.74	<=13	Pass
LTE Babd66	QPSK	20MHz	Low	RB1#0	5.02	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	5.12	<=13	Pass
	QPSK	20MHz	High	RB1#0	5.77	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	5.51	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	5.26	<=13	Pass
	16-QAM	20MHz	High	RB1#0	6.85	<=13	Pass

Operation Mode	Modulation	Band Width	Test Channel	Test RB	P. A .R (dB)	Limit (dB)	Verdict
LTE Babd71	QPSK	5MHz	Low	RB1#0	4.49	<=13	Pass
	QPSK	5MHz	Middle	RB1#0	5.51	<=13	Pass
	QPSK	5MHz	High	RB1#0	4.17	<=13	Pass
	16-QAM	5MHz	Low	RB1#0	6.78	<=13	Pass
	16-QAM	5MHz	Middle	RB1#0	5.46	<=13	Pass
	16-QAM	5MHz	High	RB1#0	6.82	<=13	Pass
LTE Babd71	QPSK	10MHz	Low	RB1#0	4.77	<=13	Pass
	QPSK	10MHz	Middle	RB1#0	6.64	<=13	Pass
	QPSK	10MHz	High	RB1#0	6.66	<=13	Pass
	16-QAM	10MHz	Low	RB1#0	5.31	<=13	Pass
	16-QAM	10MHz	Middle	RB1#0	5.61	<=13	Pass
	16-QAM	10MHz	High	RB1#0	5.07	<=13	Pass
LTE Babd71	QPSK	15MHz	Low	RB1#0	6.88	<=13	Pass
	QPSK	15MHz	Middle	RB1#0	5.54	<=13	Pass
	QPSK	15MHz	High	RB1#0	6.68	<=13	Pass
	16-QAM	15MHz	Low	RB1#0	5.55	<=13	Pass
	16-QAM	15MHz	Middle	RB1#0	6.05	<=13	Pass
	16-QAM	15MHz	High	RB1#0	4.68	<=13	Pass
LTE Babd71	QPSK	20MHz	Low	RB1#0	4.78	<=13	Pass
	QPSK	20MHz	Middle	RB1#0	5.17	<=13	Pass
	QPSK	20MHz	High	RB1#0	5.79	<=13	Pass
	16-QAM	20MHz	Low	RB1#0	5.69	<=13	Pass
	16-QAM	20MHz	Middle	RB1#0	6.12	<=13	Pass
	16-QAM	20MHz	High	RB1#0	4.61	<=13	Pass

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

END OF REPORT