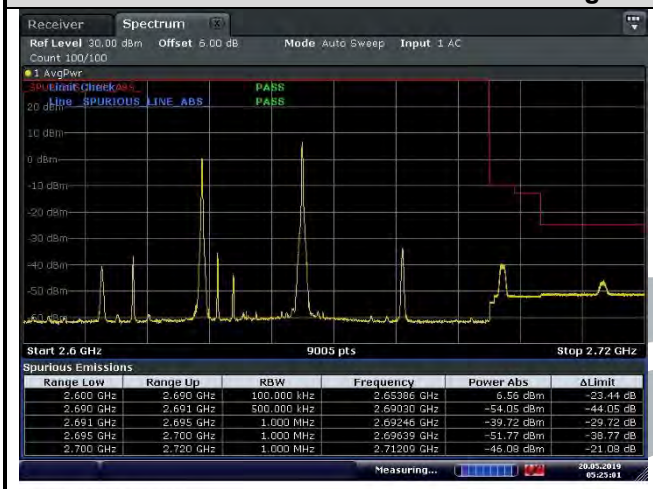
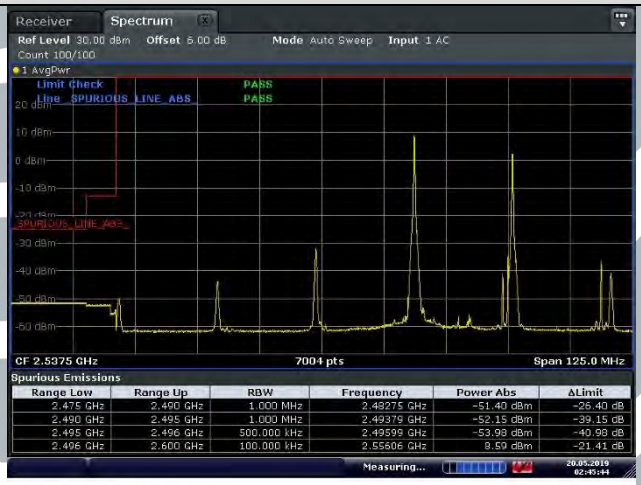
Highest Channel



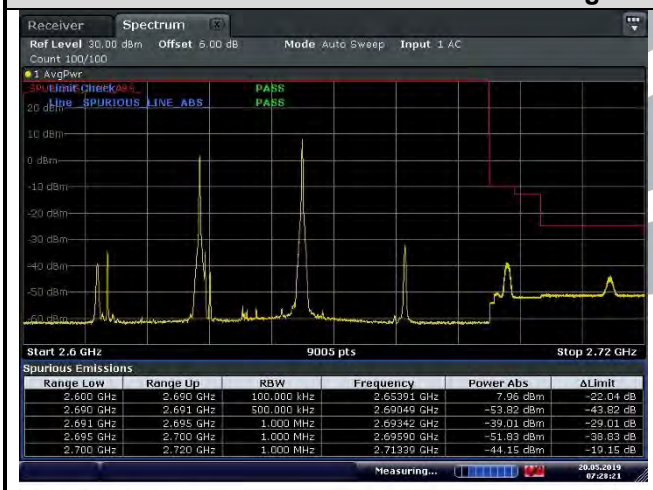
LTE Band 41 CA/ 20+20MHz / 64QAM

1 RB	Full RB

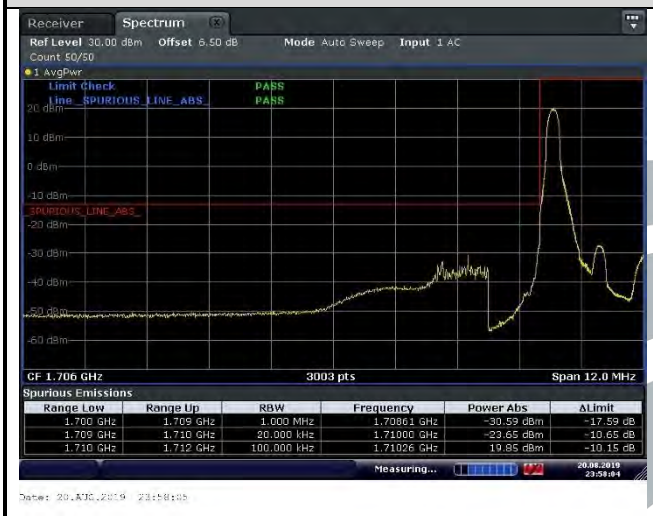
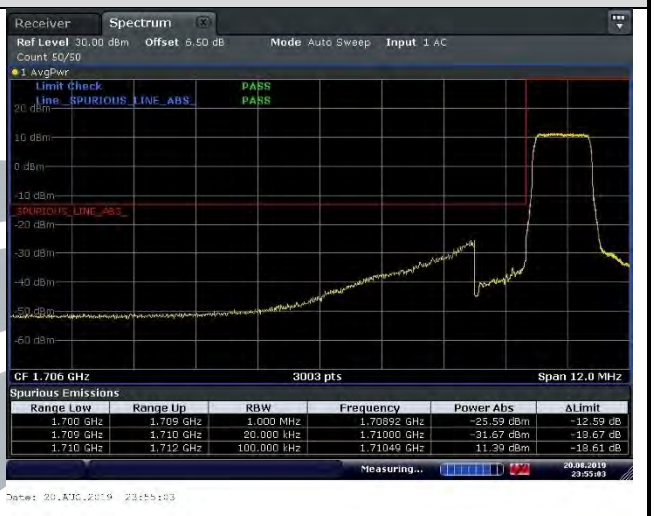
Lowest Channel



Highest Channel



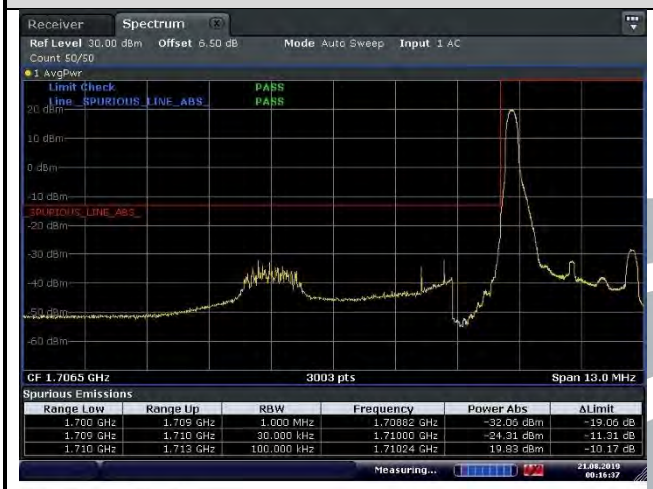
5.6.11 LTE Band 66

LTE Band 66 / 1.4 MHz / QPSK	
1 RB	Full RB
Lowest Channel	
	
Highest Channel	

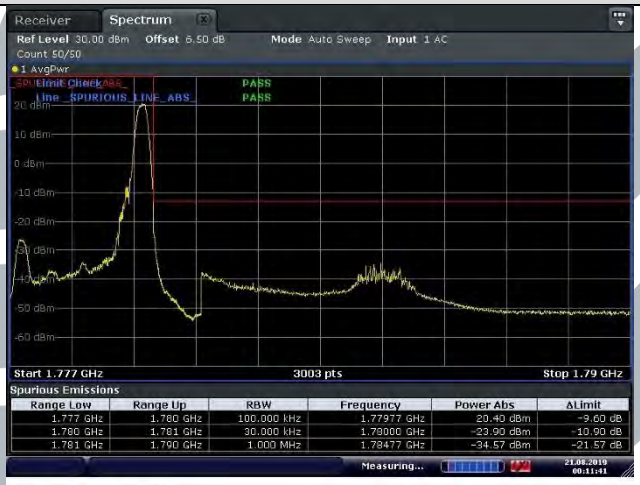
LTE Band 66 / 3 MHz / QPSK

1 RB	Full RB

Lowest Channel



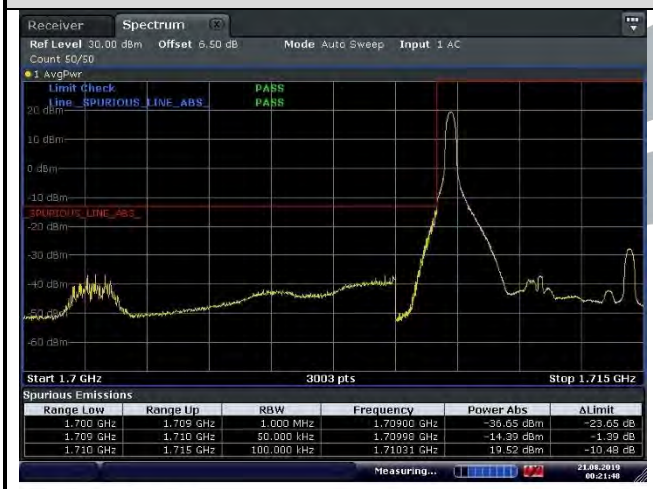
Highest Channel



LTE Band66 / 5 MHz / QPSK

1 RB	Full RB

Lowest Channel

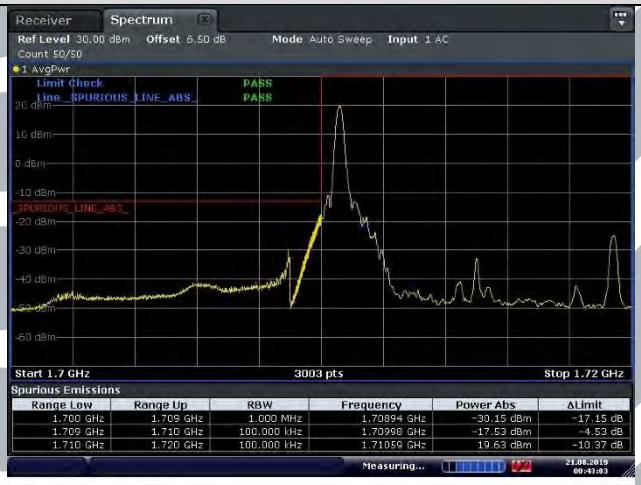


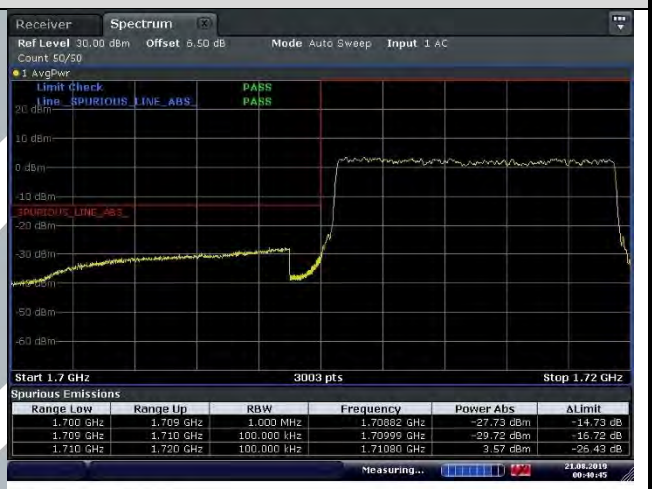
Highest Channel

LTE Band 66 / 10 MHz / QPSK

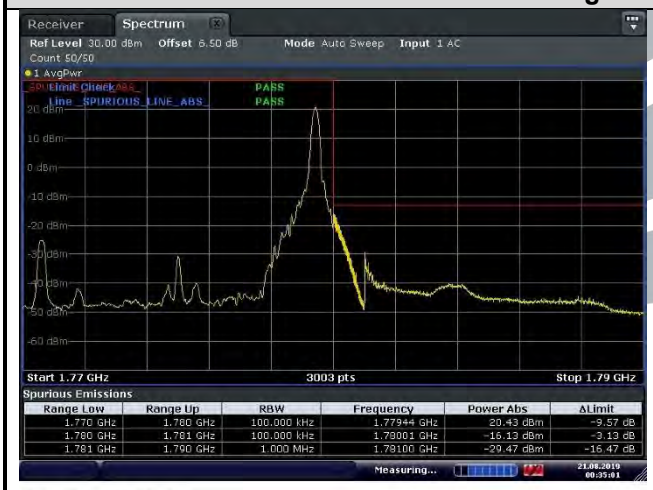
1 RB	Full RB

Lowest Channel





Highest Channel



LTE Band 66 / 15 MHz / QPSK

1 RB	Full RB

Lowest Channel

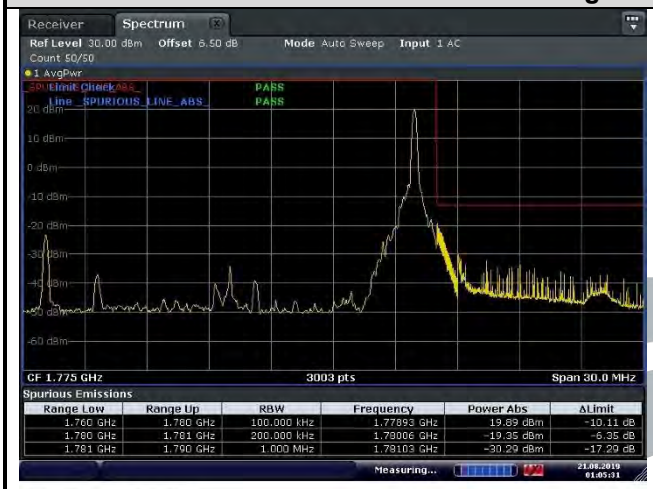
Highest Channel

LTE Band 66 / 20 MHz / QPSK

1 RB	Full RB

Lowest Channel

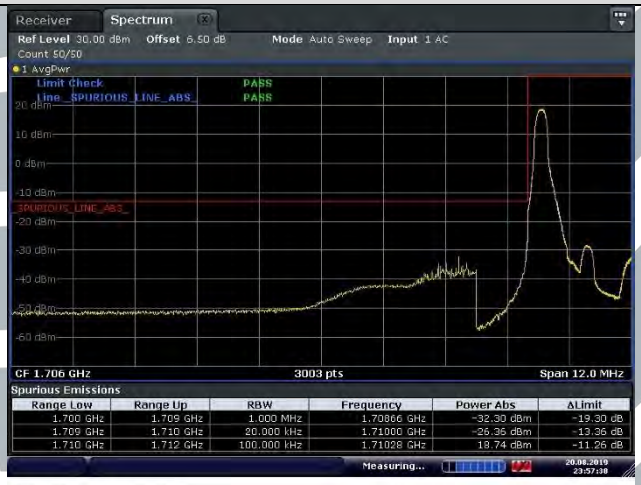
Highest Channel

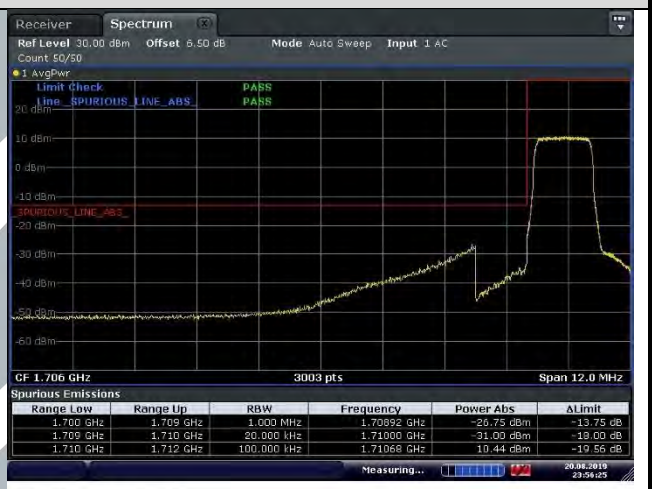


LTE Band 66 / 1.4 MHz / 16QAM

1 RB	Full RB

Lowest Channel



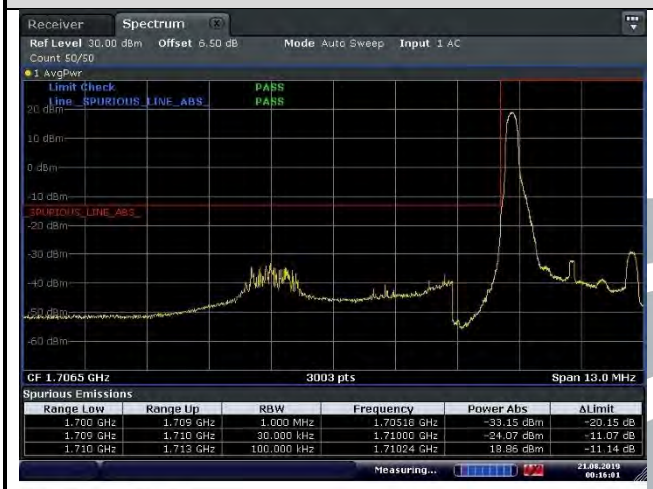


Highest Channel

LTE Band 66 / 3 MHz / 16QAM

1 RB	Full RB

Lowest Channel

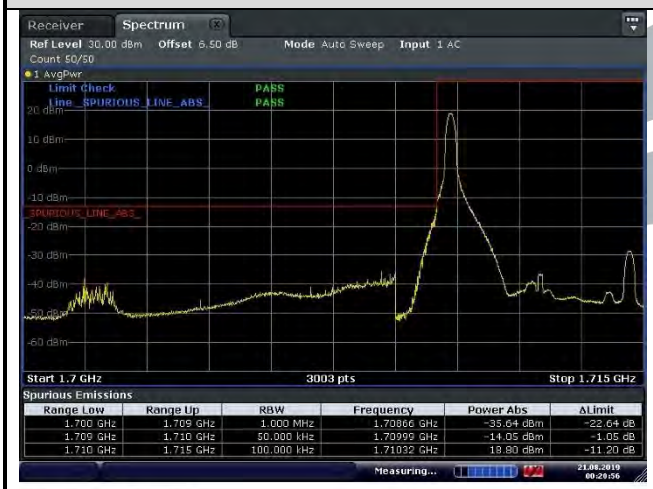


Highest Channel

LTE Band 66 / 5 MHz / 16QAM

1 RB	Full RB

Lowest Channel

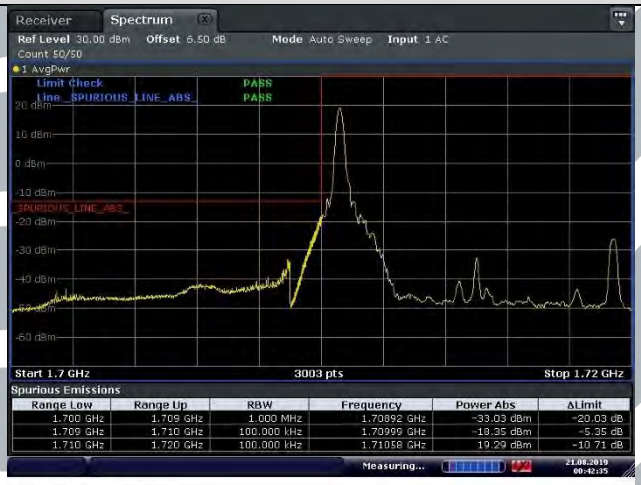


Highest Channel

LTE Band 66 / 10 MHz / 16QAM

1 RB	Full RB

Lowest Channel

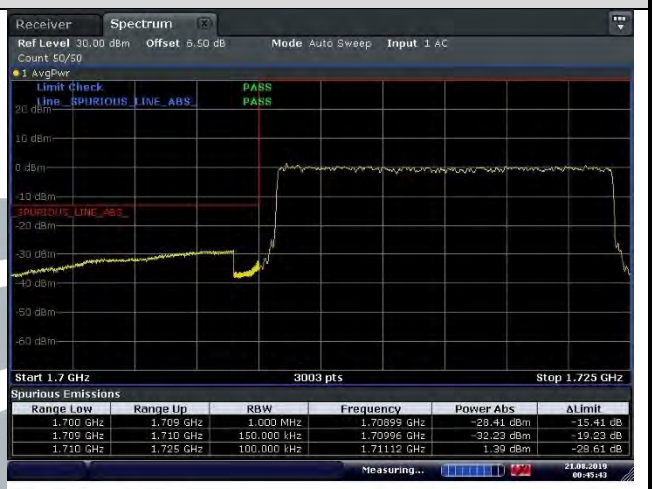


Highest Channel

LTE Band 66 / 15 MHz / 16QAM

1 RB	Full RB

Lowest Channel

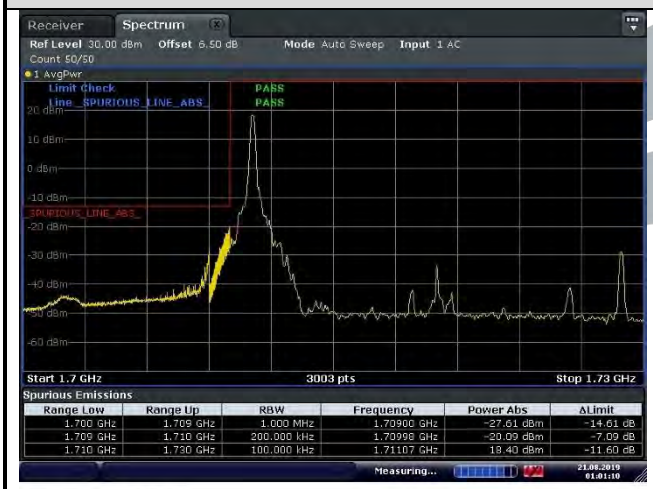


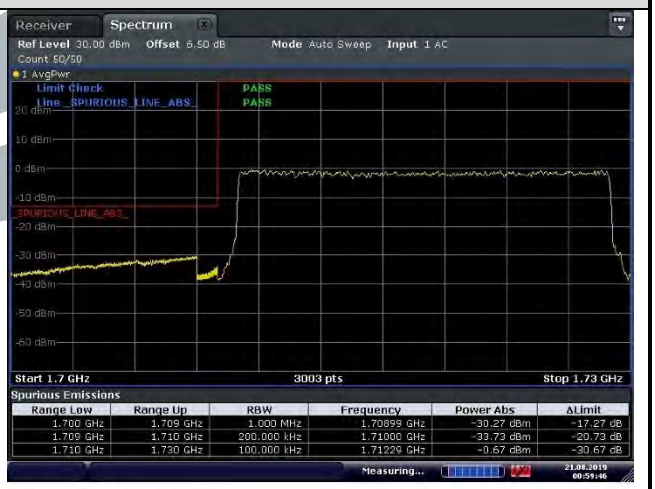
Highest Channel

LTE Band 66 / 20 MHz / 16QAM

1 RB	Full RB

Lowest Channel



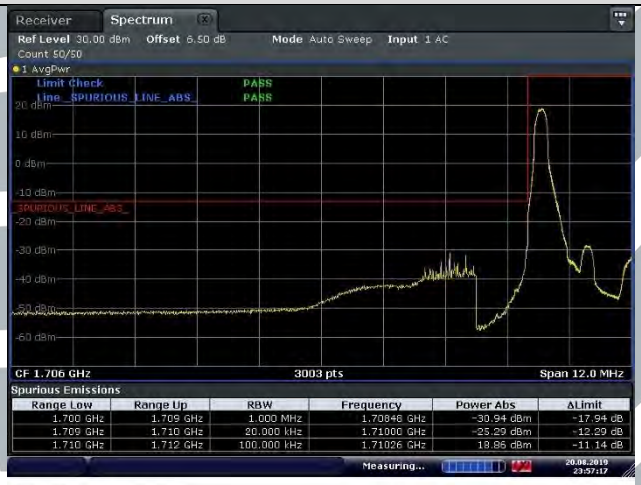


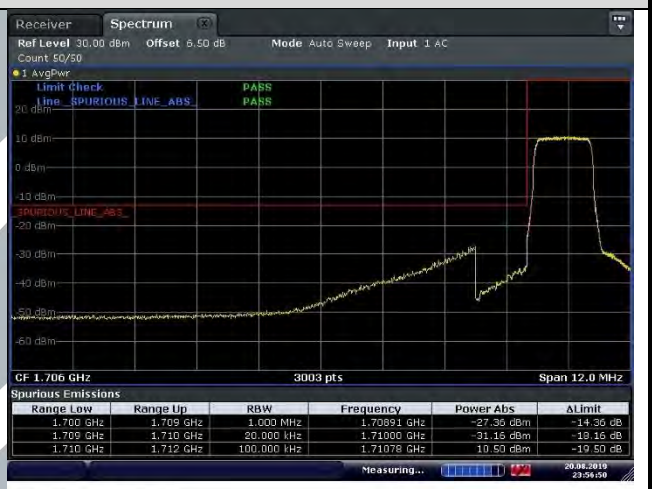
Highest Channel

LTE Band 66 / 1.4 MHz / 64QAM

1 RB	Full RB

Lowest Channel



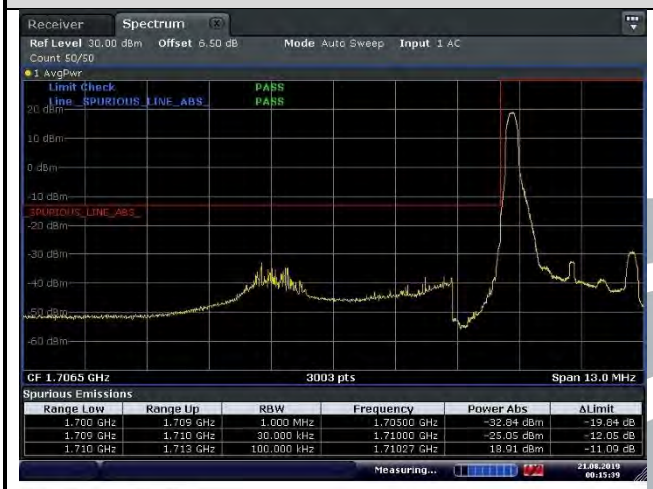


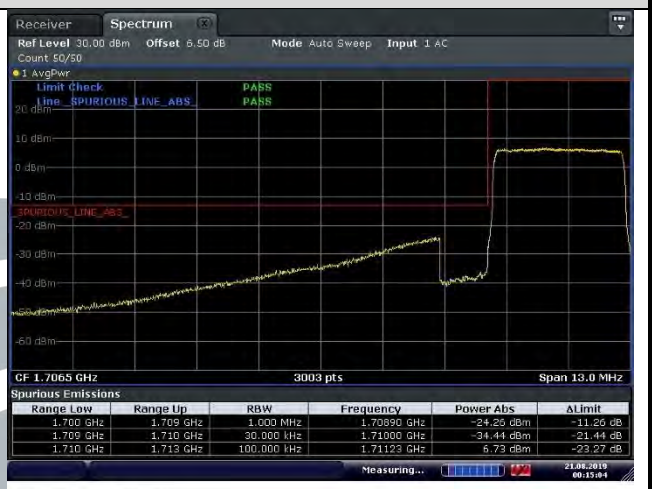
Highest Channel

LTE Band 66 / 3 MHz / 64QAM

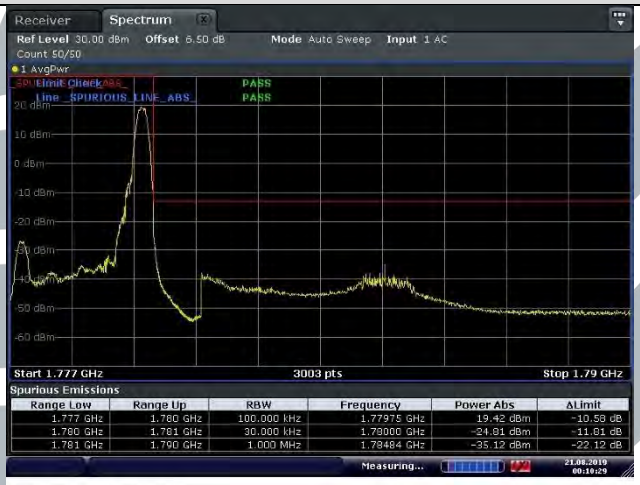
1 RB	Full RB

Lowest Channel





Highest Channel



LTE Band 66 / 5 MHz / 64QAM

1 RB	Full RB

Lowest Channel

Highest Channel

LTE Band 66 / 10 MHz / 64QAM

1 RB	Full RB

Lowest Channel

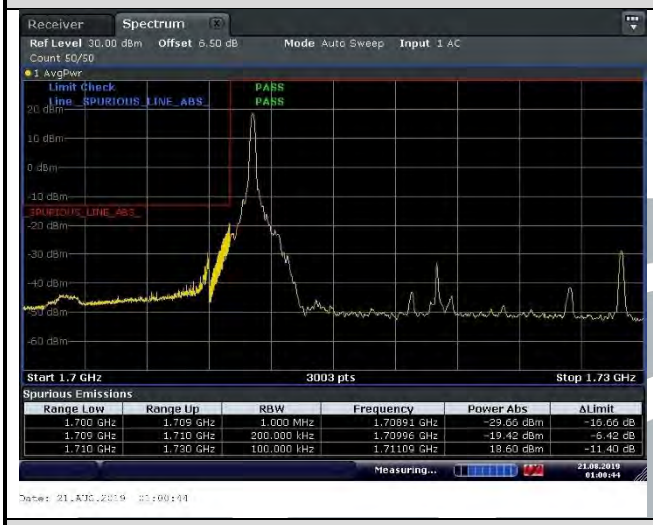
Highest Channel

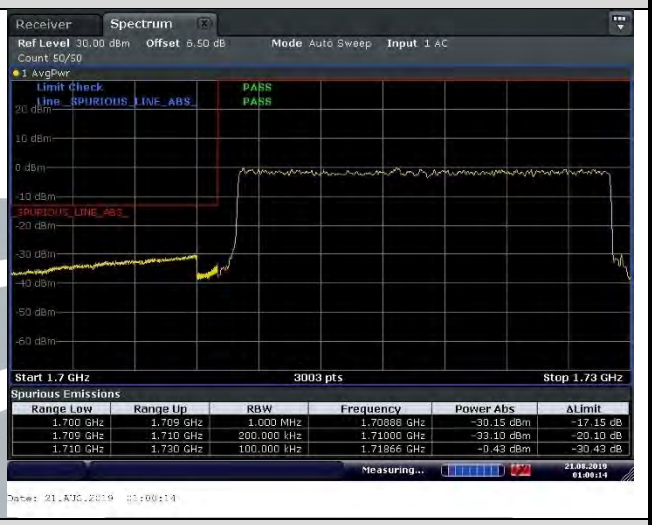
LTE Band 66 / 15 MHz / 64QAM	
1 RB	Full RB
Lowest Channel	
Highest Channel	

LTE Band 66 / 20 MHz / 64QAM

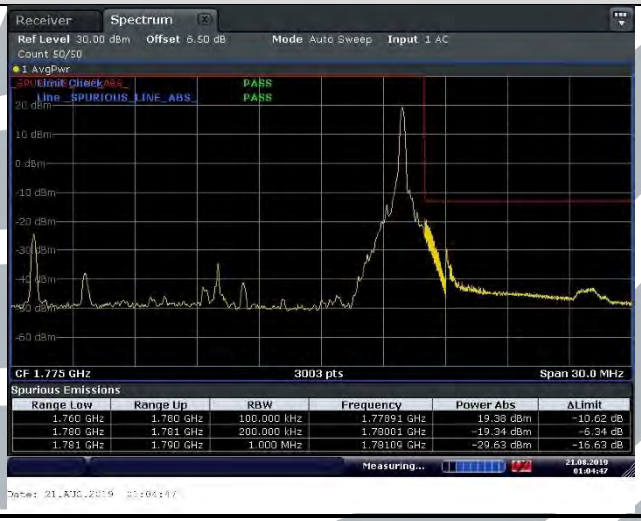
1 RB	Full RB

Lowest Channel





Highest Channel



5.7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Requirement: **LTE Band 2 & LTE Band 25:** FCC 47 CFR Part 24.238(a)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)
LTE Band 5: FCC 47 CFR Part 22.917(a)
LTE Band 7 & Band 41: FCC 47 CFR Part 27.53(m)(4)
LTE Band 12 & Band17: FCC 47 CFR Part 27.53(g)
LTE Band 13: FCC 47 CFR Part 27.53

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g), 27.53(c)(2), 90.691:
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(m)(4):
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. The emission limit equal to -25 dBm.

Test Procedure:

The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

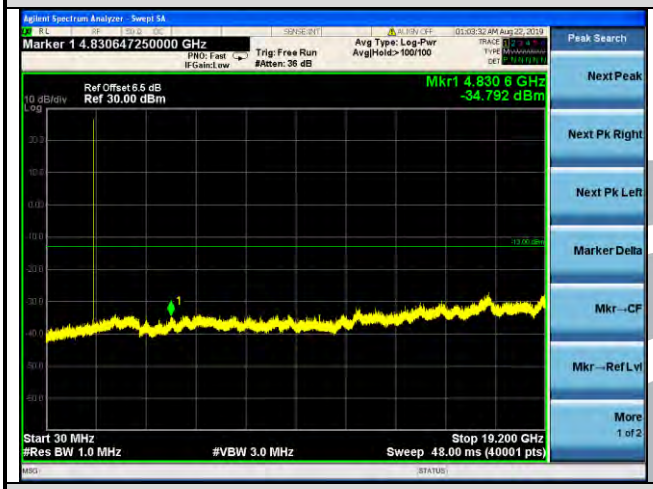
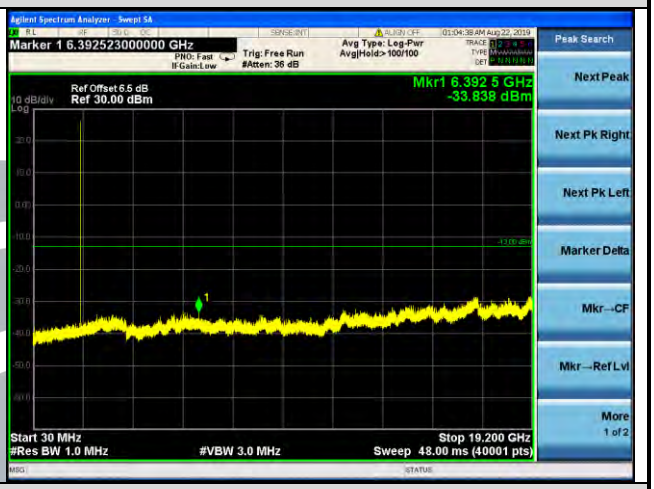
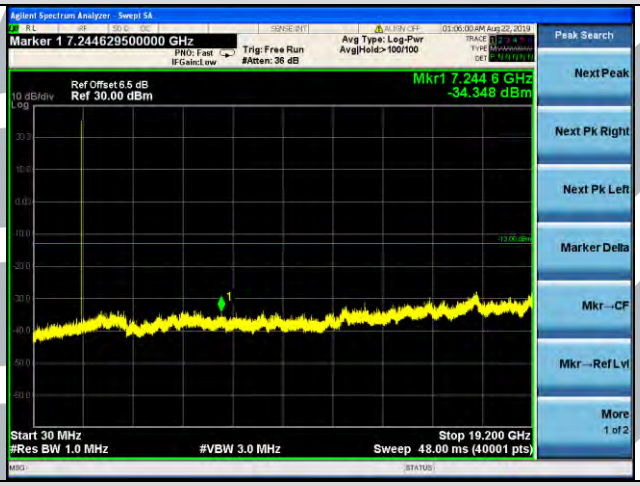
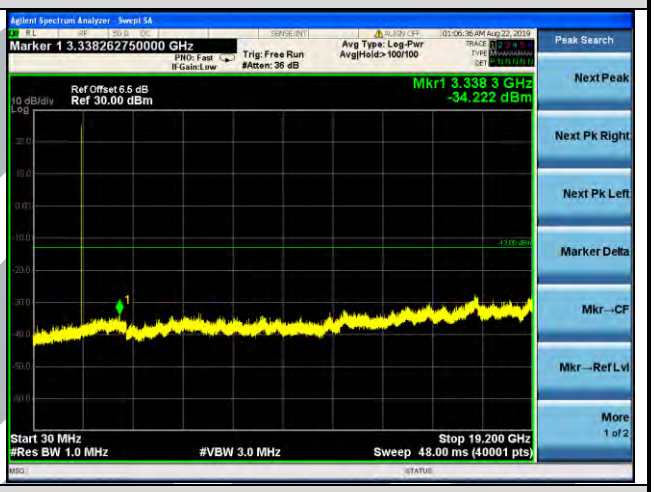
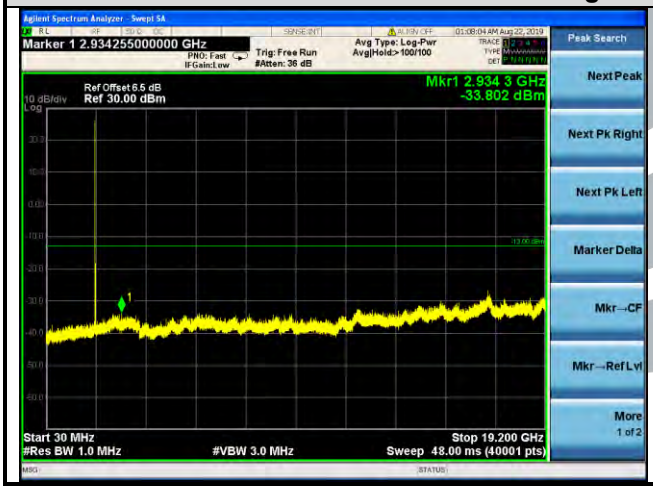
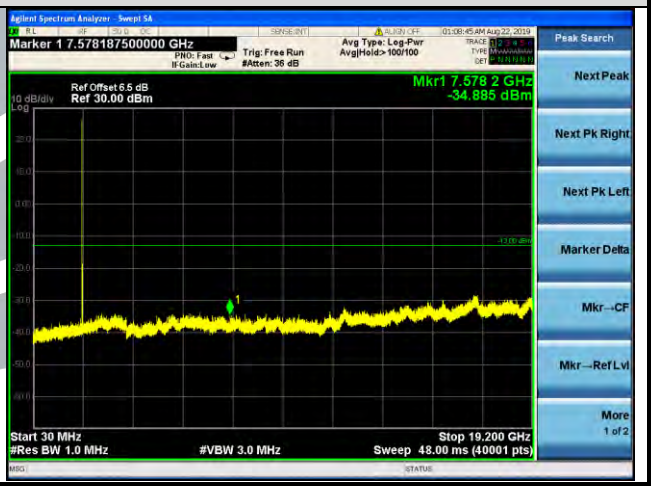
Test Setup: Refer to section 4.2.2 for details.

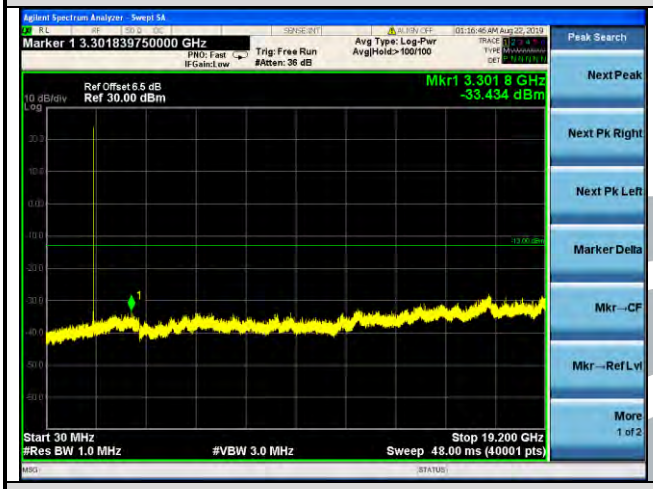
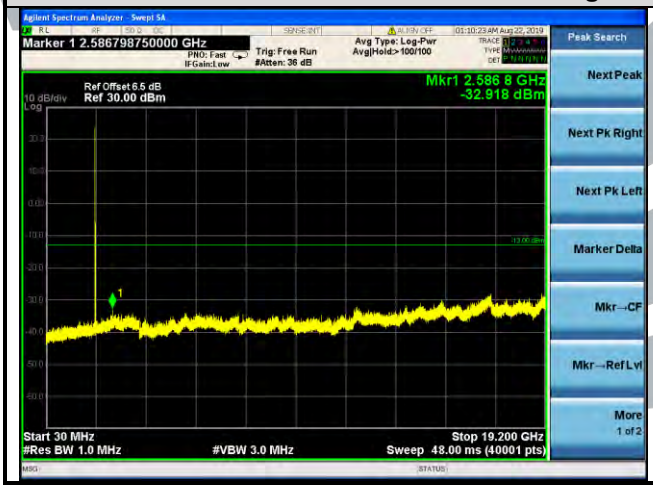
Instruments Used: Refer to section 3 for details

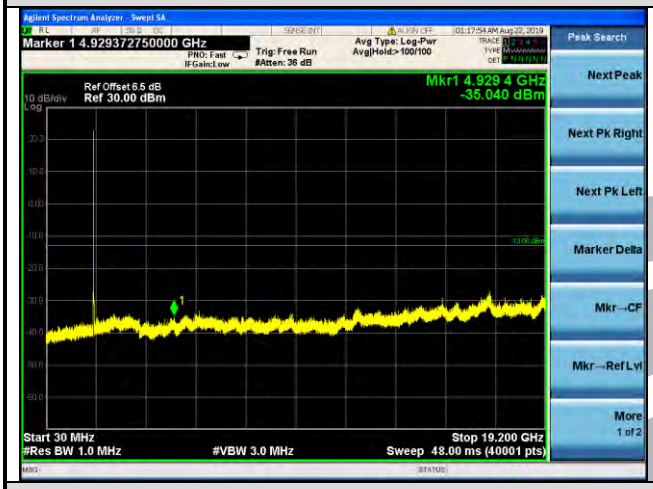
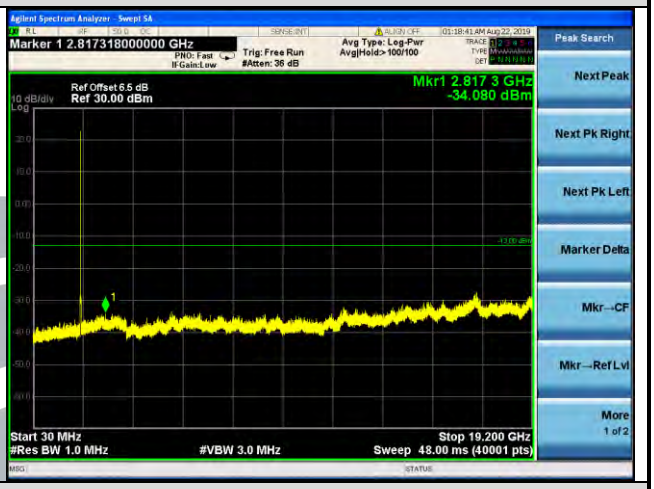
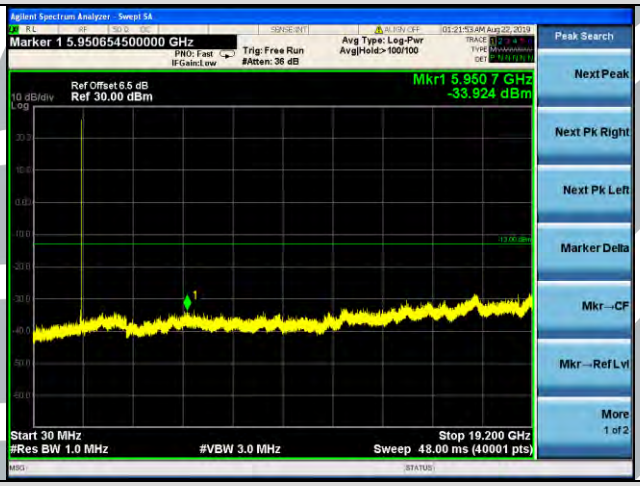
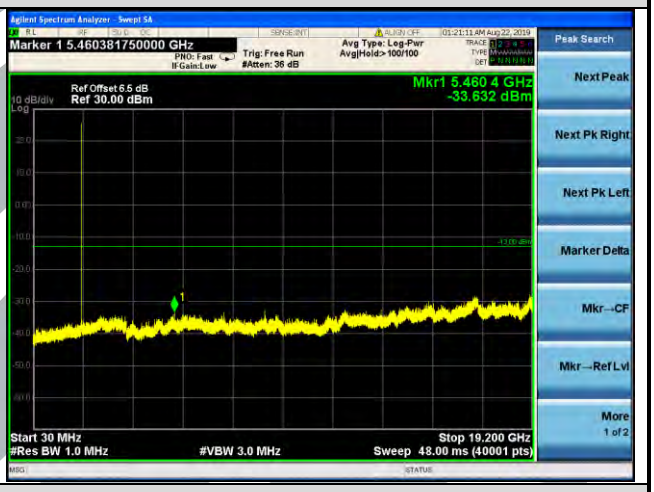
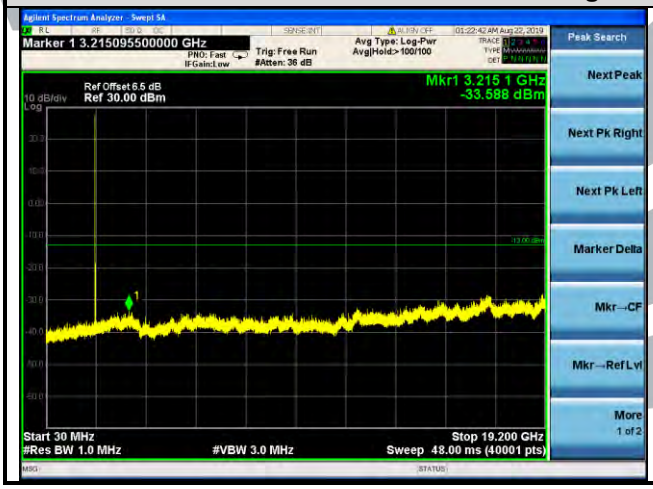
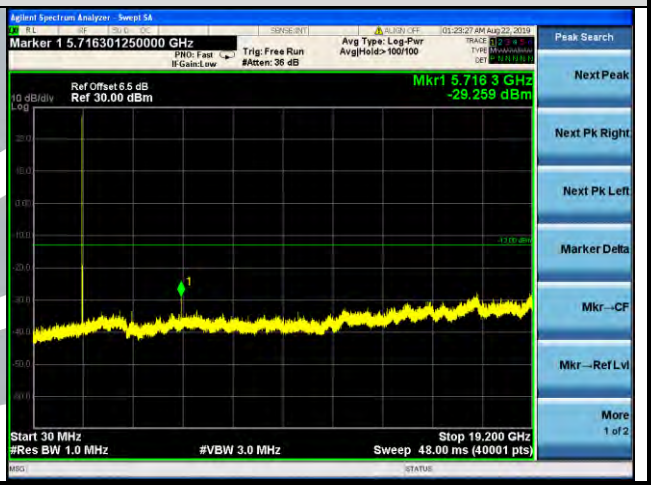
Test Mode: Link mode

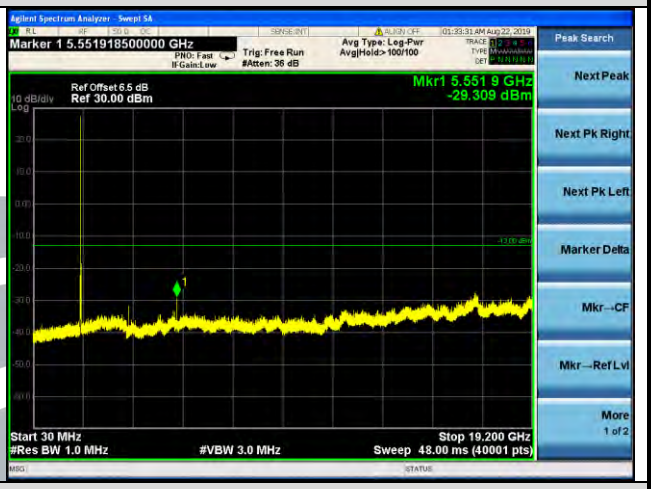
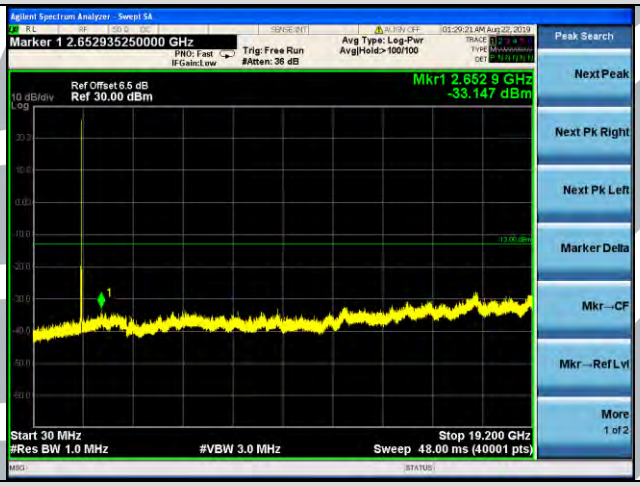
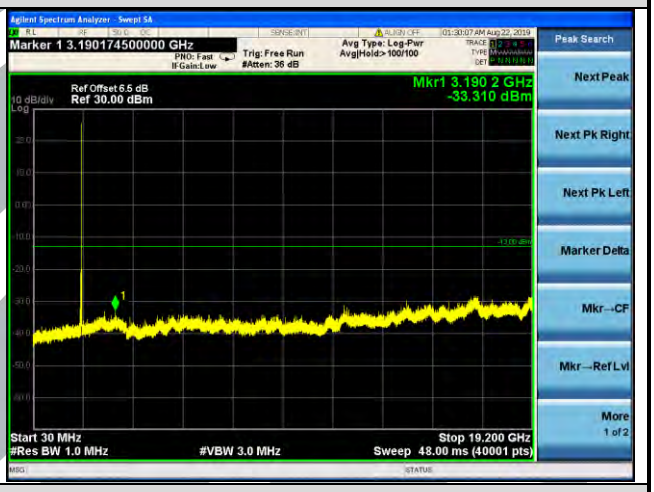
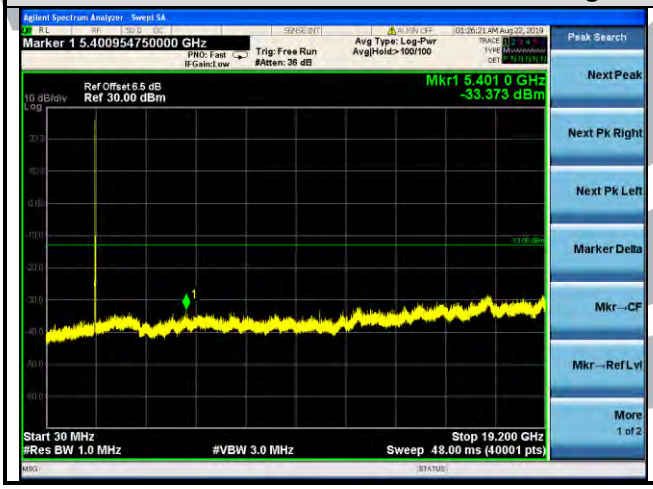
Test Results: Pass

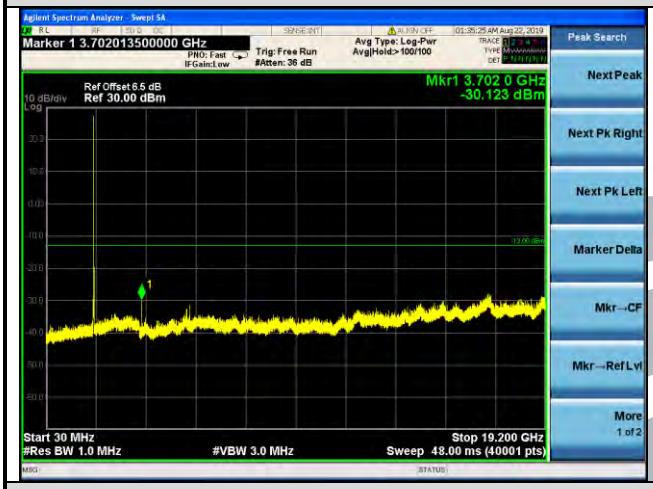
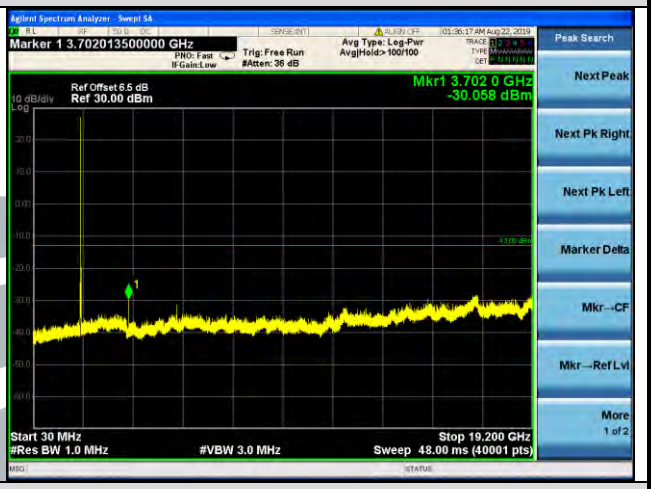
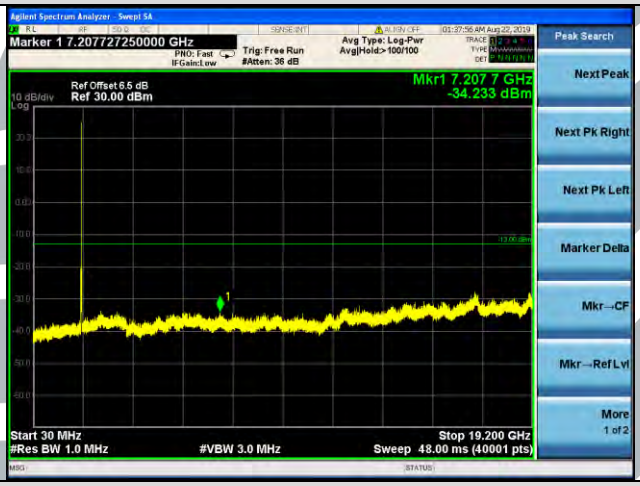
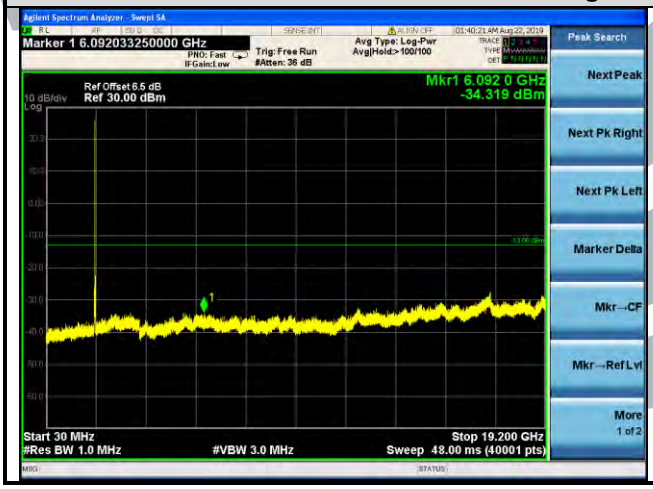
5.7.1 LTE Band 2

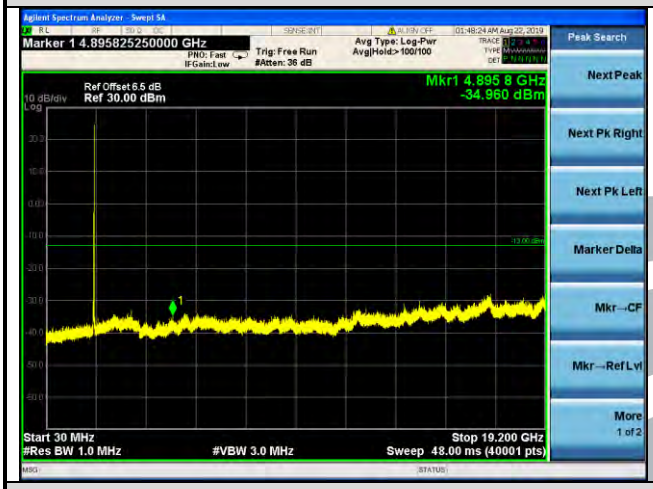
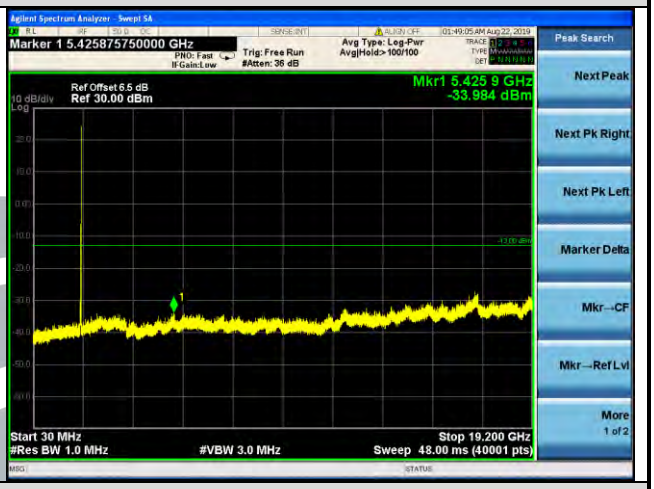
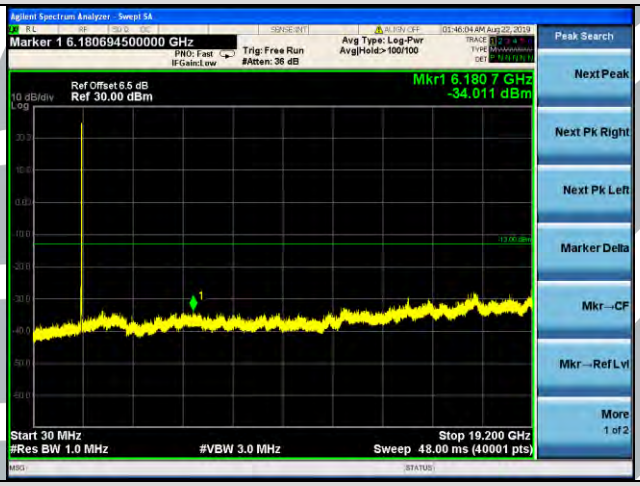
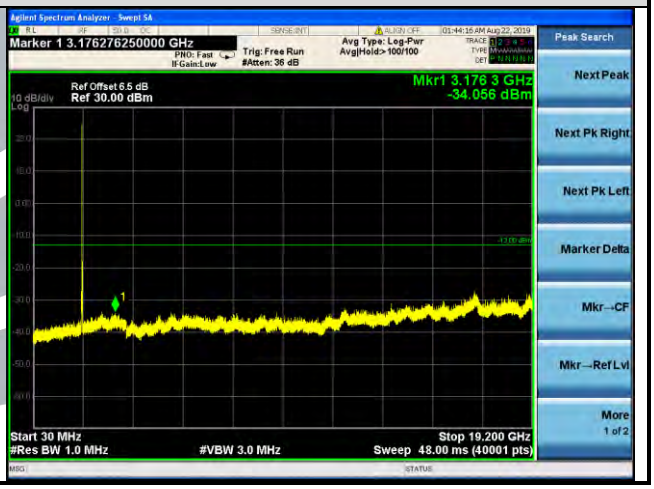
LTE Band 2_ Channel Bandwidth: 1.4 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

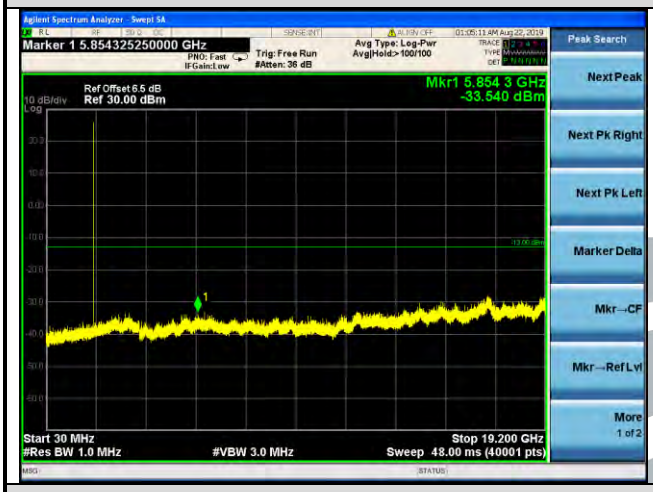
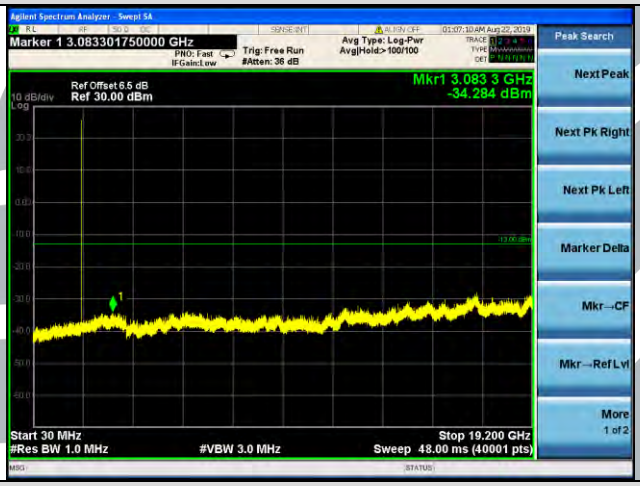
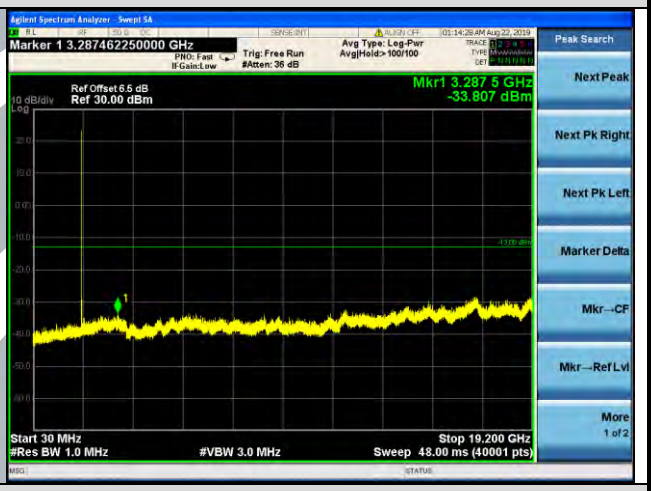
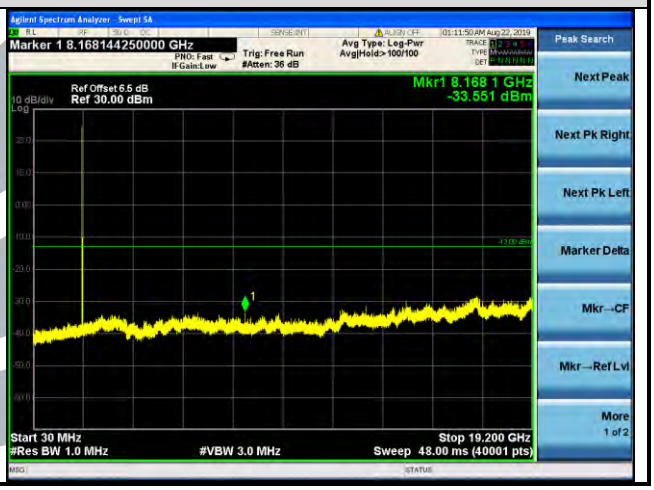
LTE Band 2_ Channel Bandwidth: 3 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
Highest Channel	
	

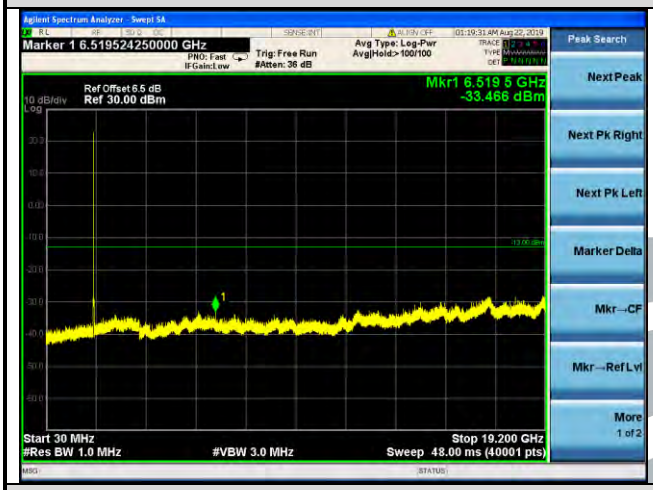
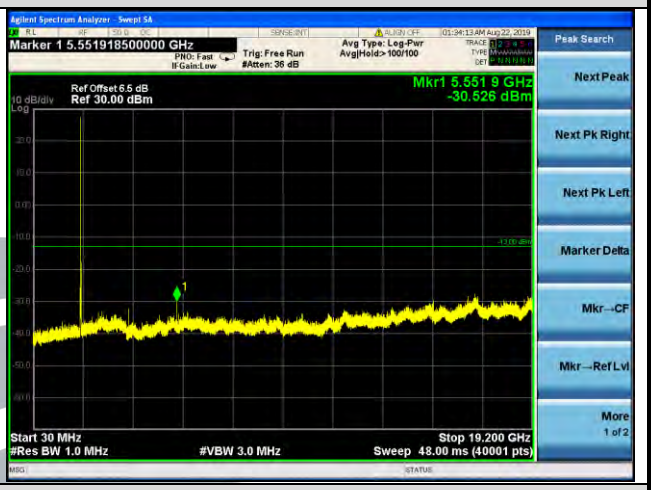
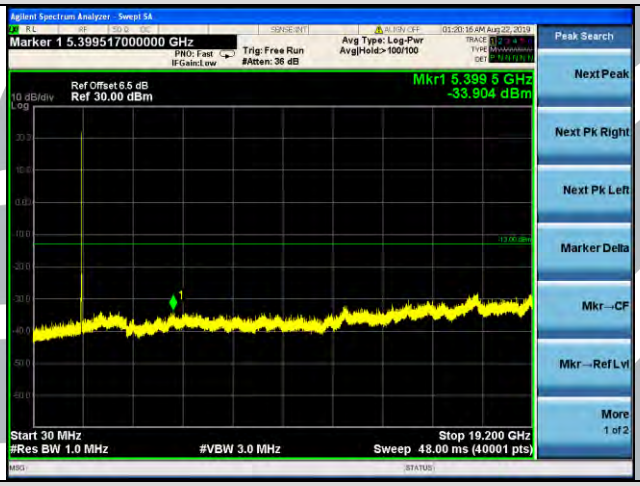
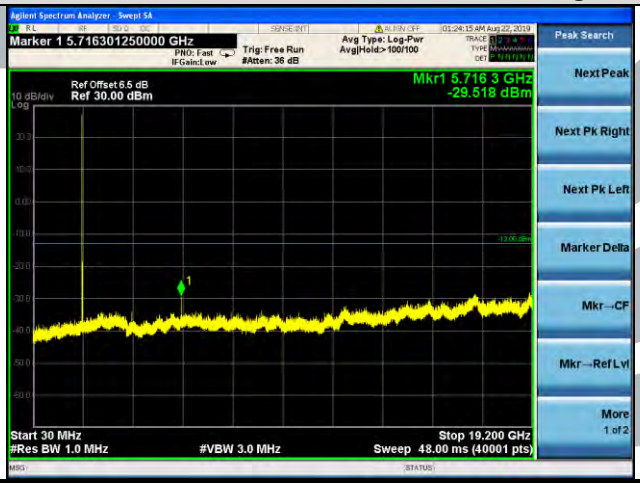
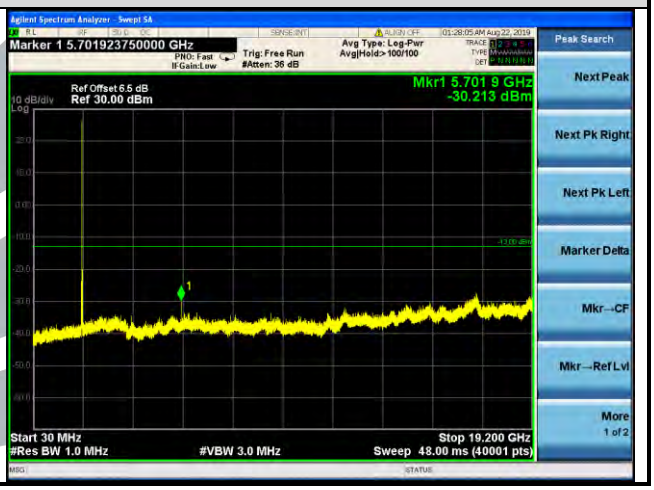
LTE Band 2_ Channel Bandwidth: 5 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

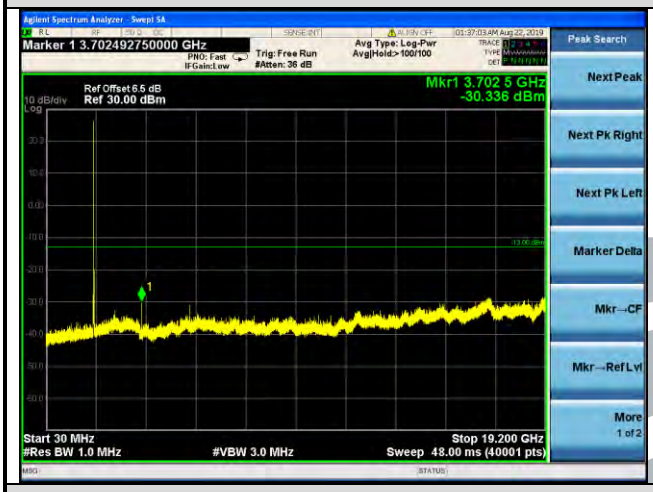
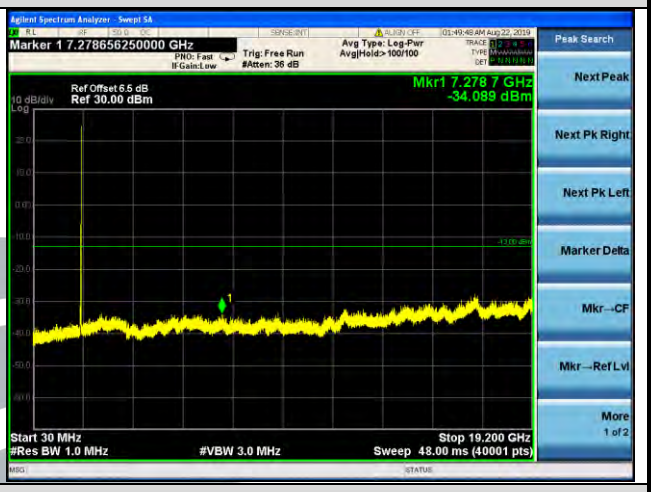
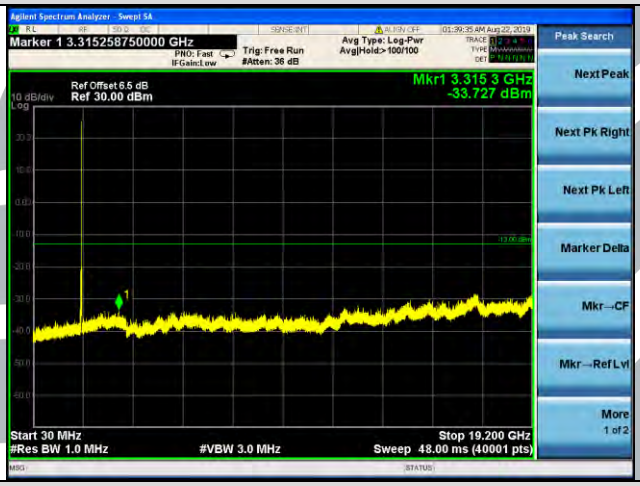
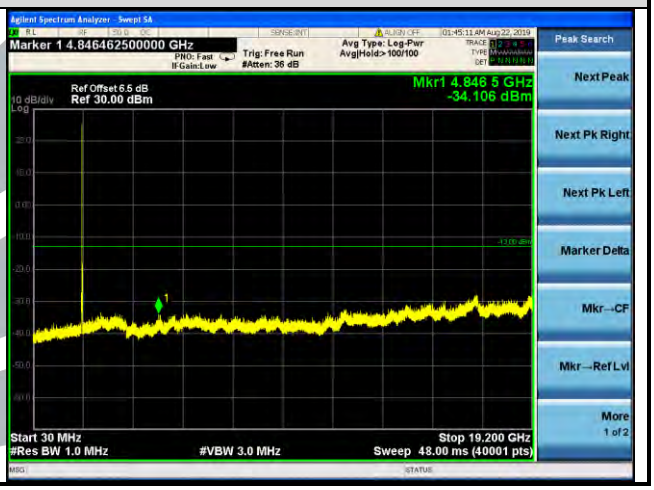
LTE Band 2_ Channel Bandwidth: 10 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 2_ Channel Bandwidth: 15 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

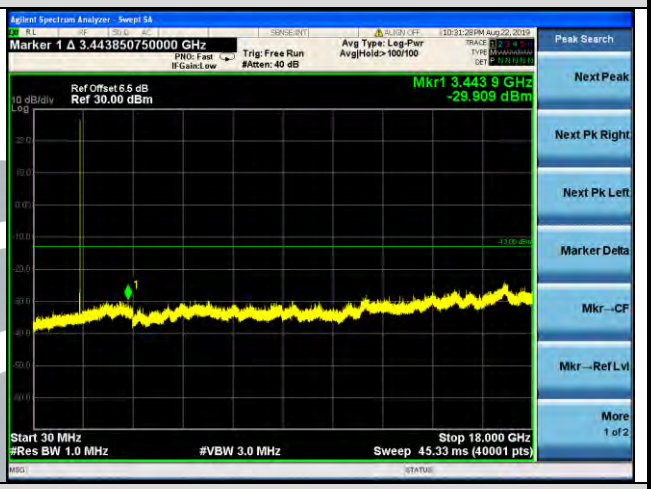
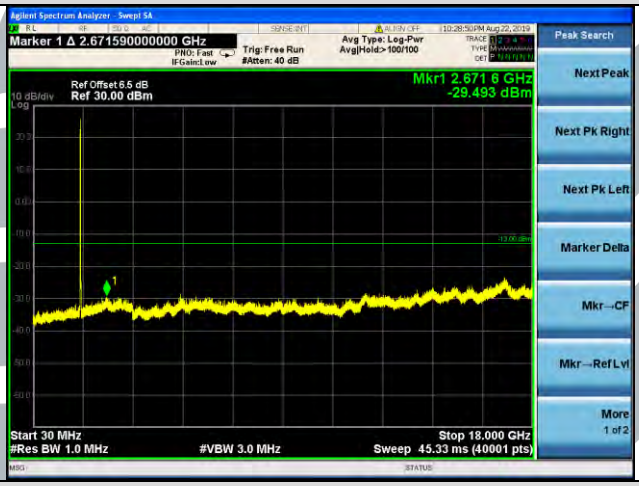
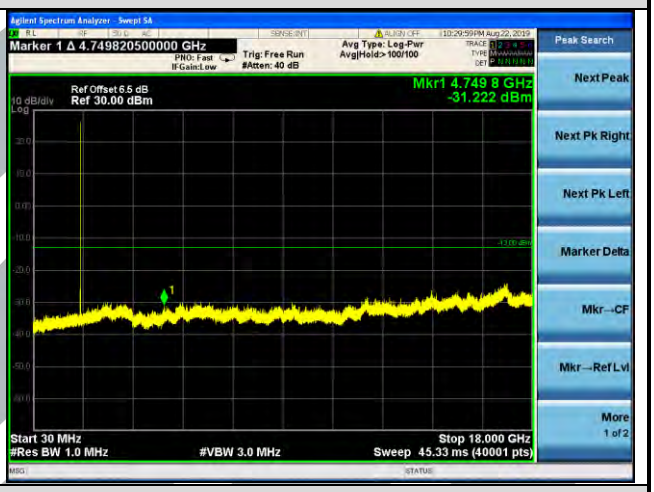
LTE Band 2_ Channel Bandwidth: 20 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

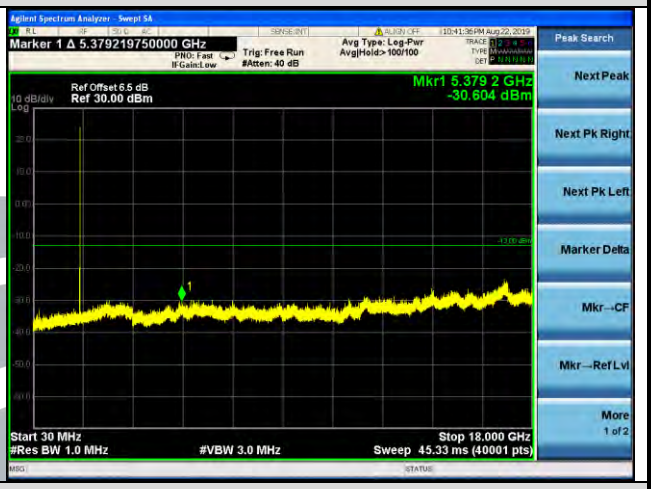
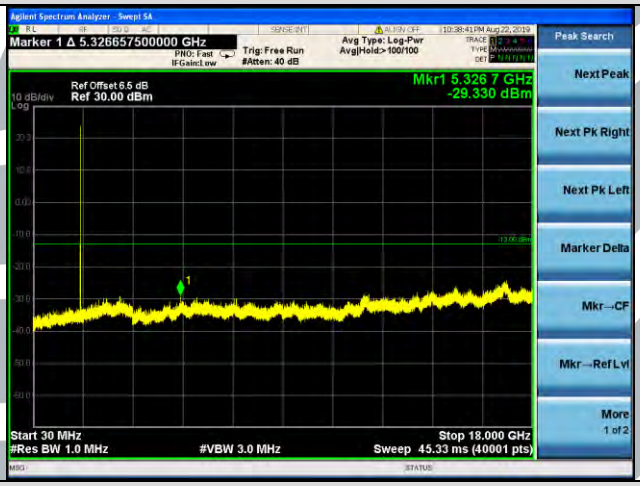
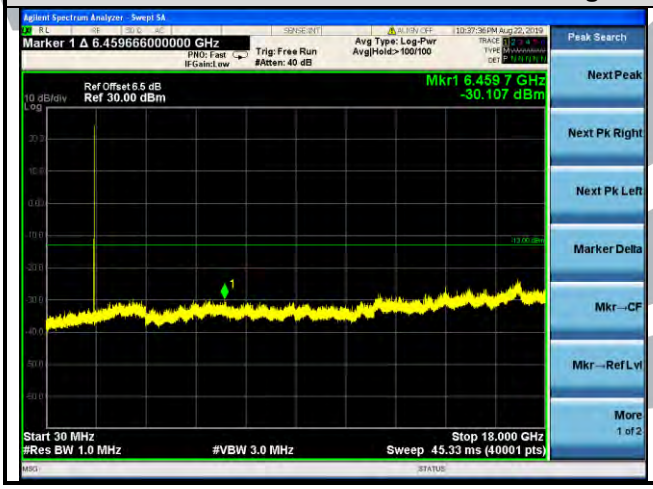
LTE Band 2 / 1.4MHz / 64QAM	LTE Band 2 / 3MHz / 64QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

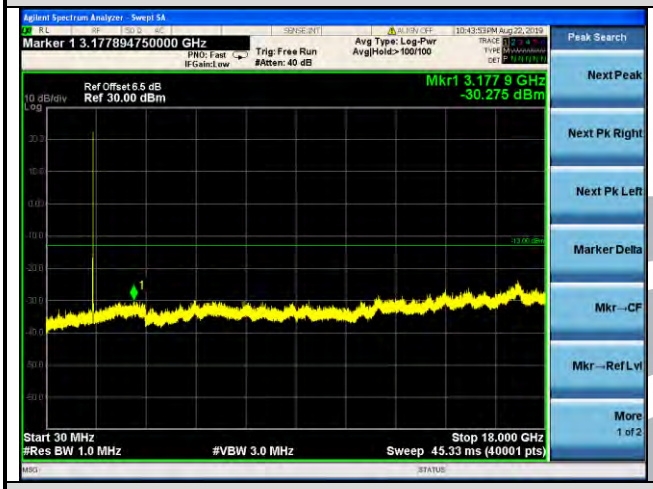
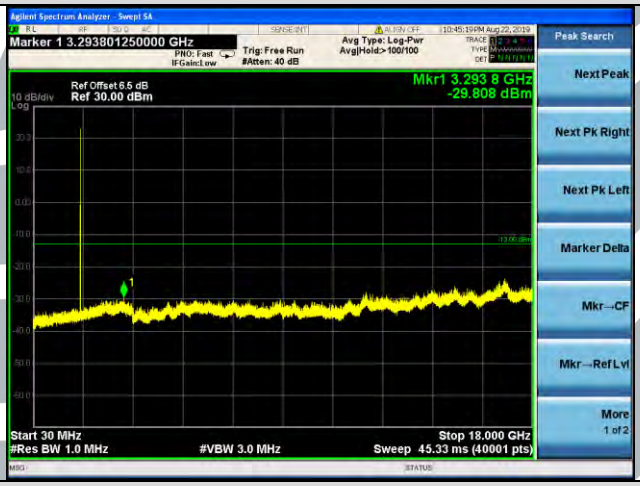
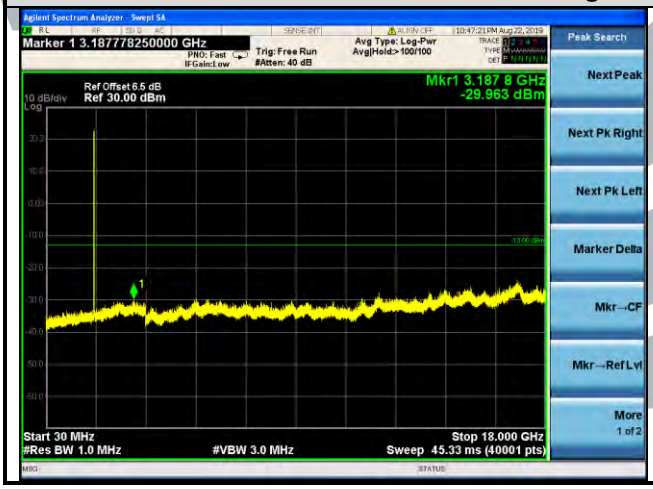
LTE Band 2 / 5MHz / 64QAM	LTE Band 2 / 10MHz / 64QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

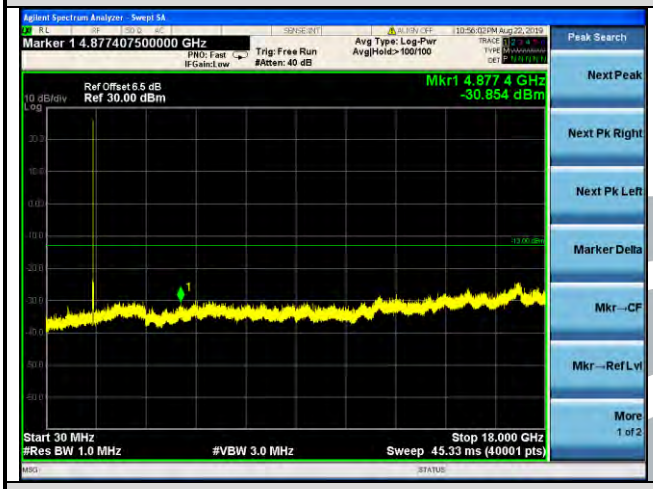
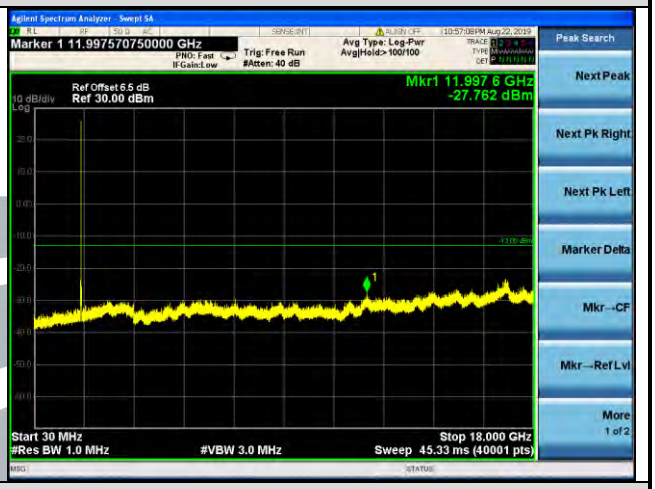
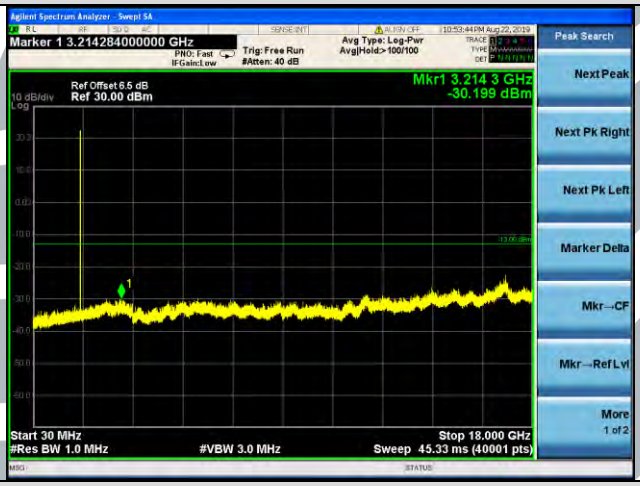
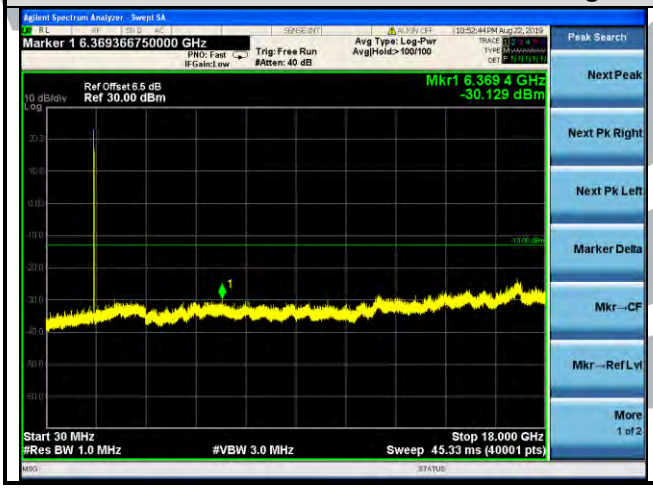
LTE Band 2 / 15MHz / 64QAM	LTE Band 2 / 20MHz / 64QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

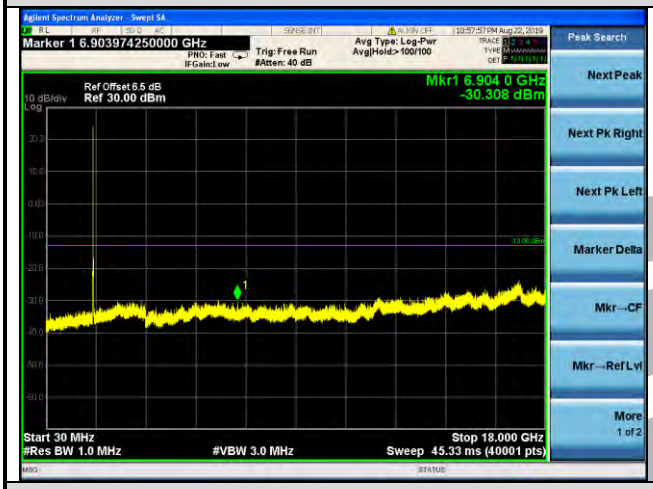
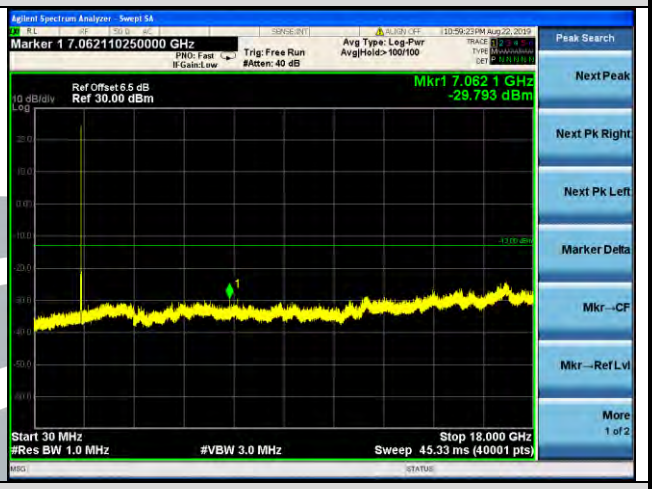
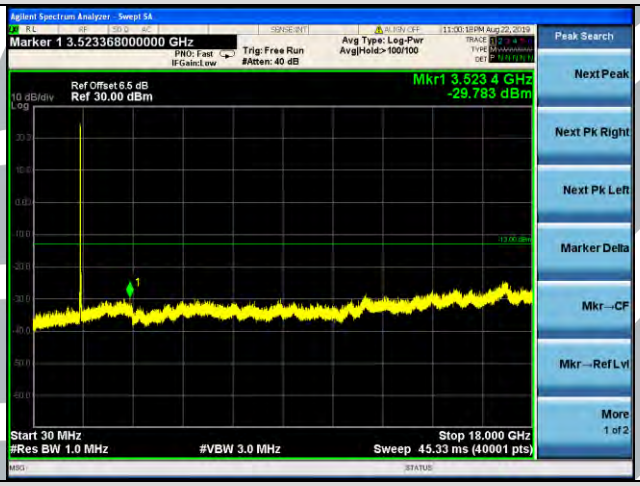
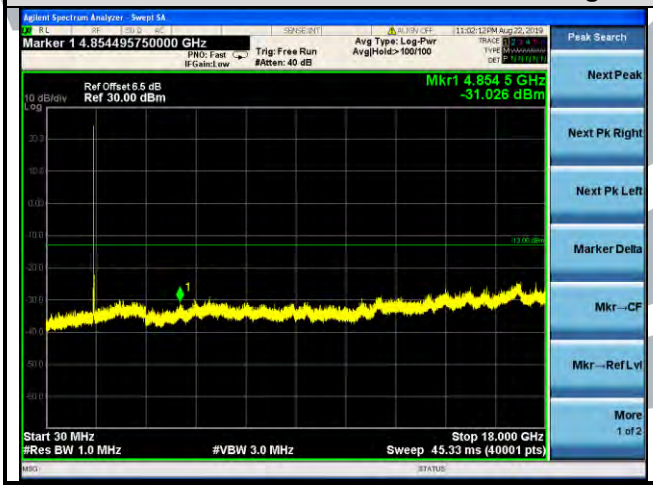
5.7.2 LTE Band 4

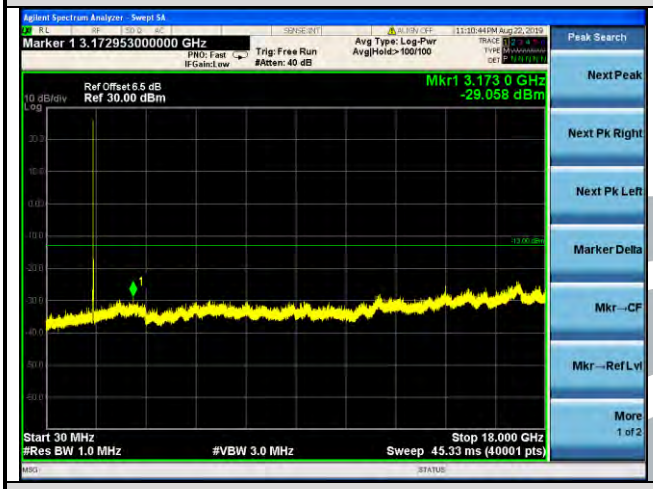
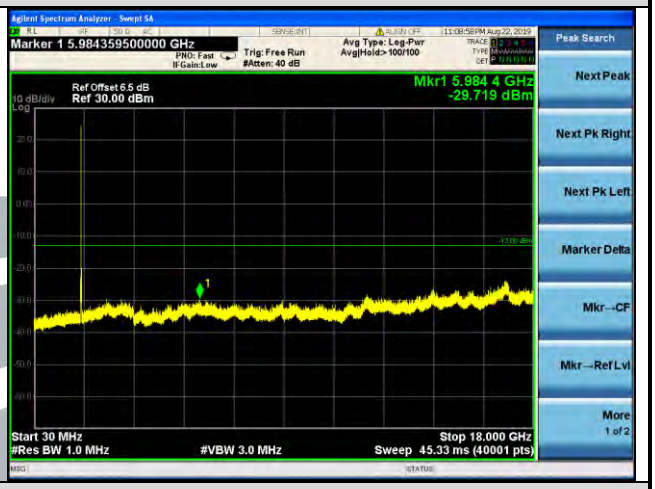
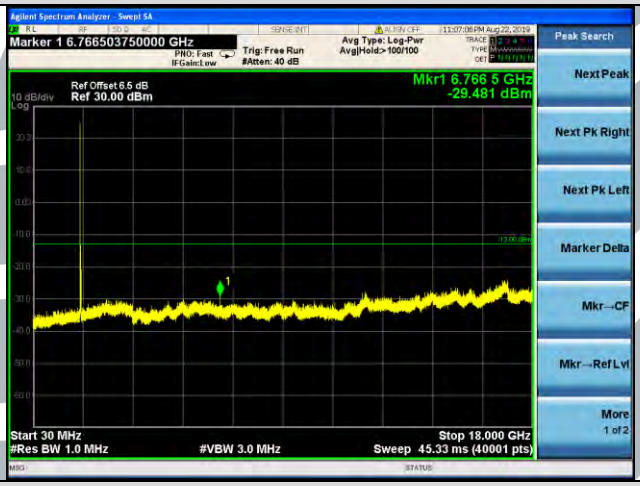
LTE Band 4_ Channel Bandwidth: 1.4 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	

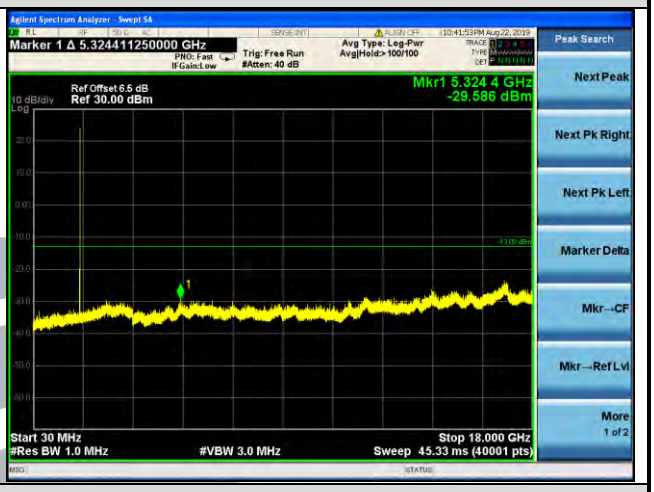
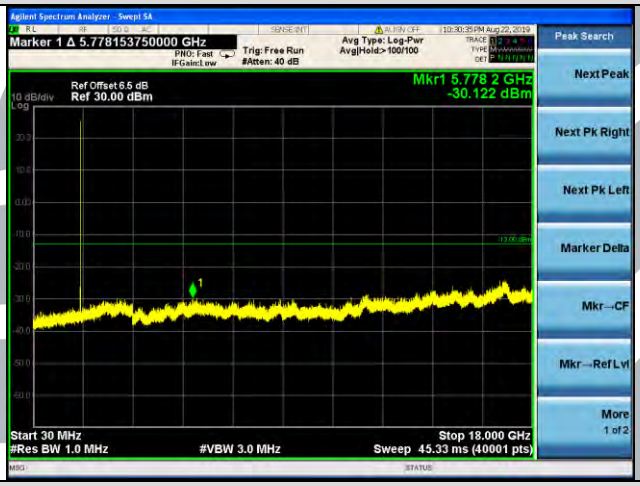
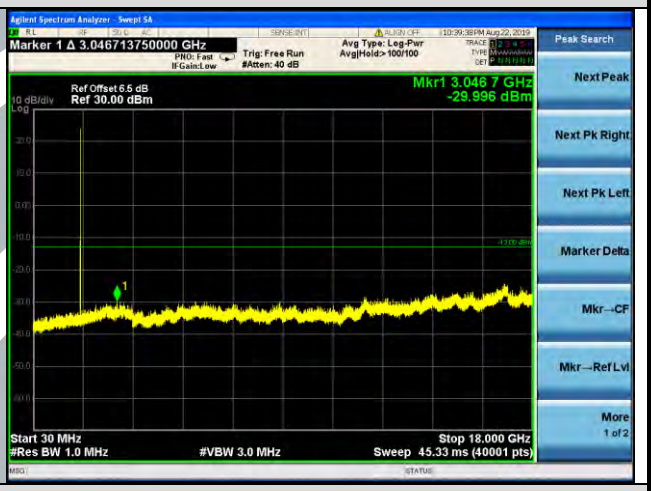
LTE Band 4_ Channel Bandwidth: 3 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 4_ Channel Bandwidth: 5 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 4_ Channel Bandwidth: 10 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 4_ Channel Bandwidth: 15 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 4_ Channel Bandwidth: 20 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	

LTE Band 4 / 1.4MHz / 64QAM	LTE Band 4 / 3MHz / 64QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	