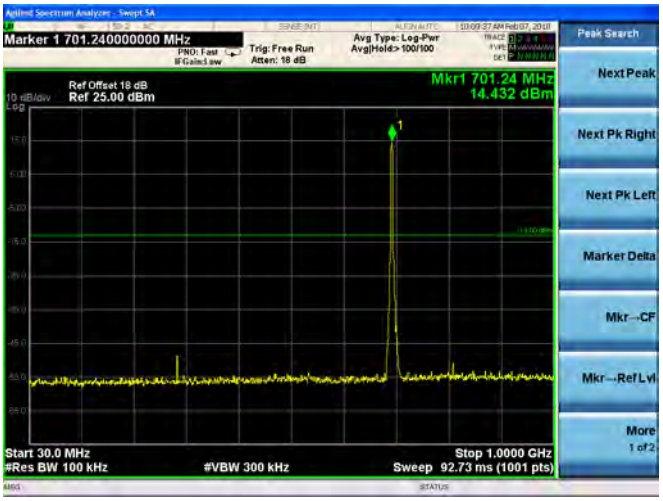
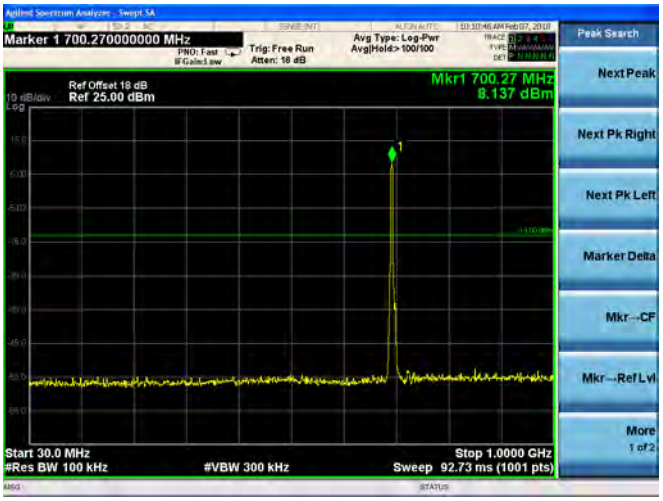
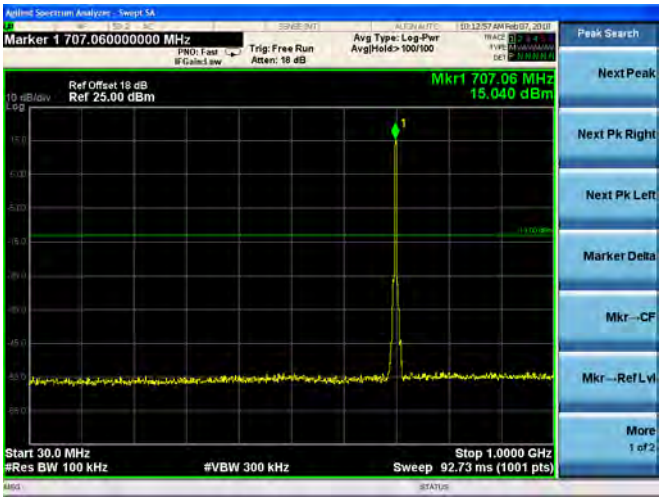
LTE Band 12 3MHz BW Low Channel	
QPSK	
	
16QAM	
	

LTE Band 12 3MHz BW Mid Channel	
QPSK	
	
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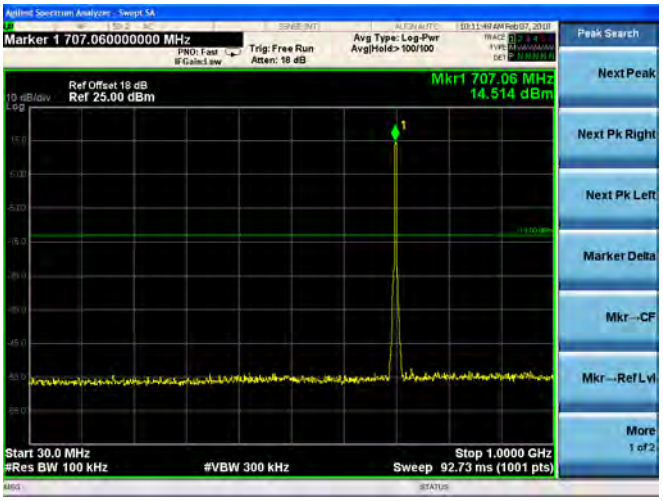
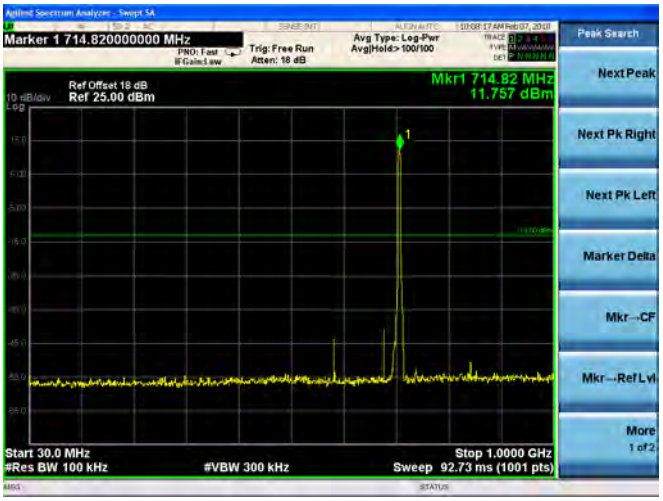
	

LTE Band 12 3MHz BW High Channel	
QPSK	
	
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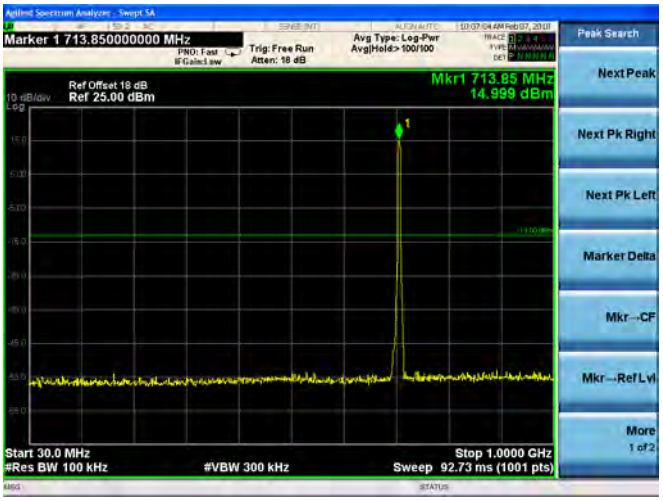
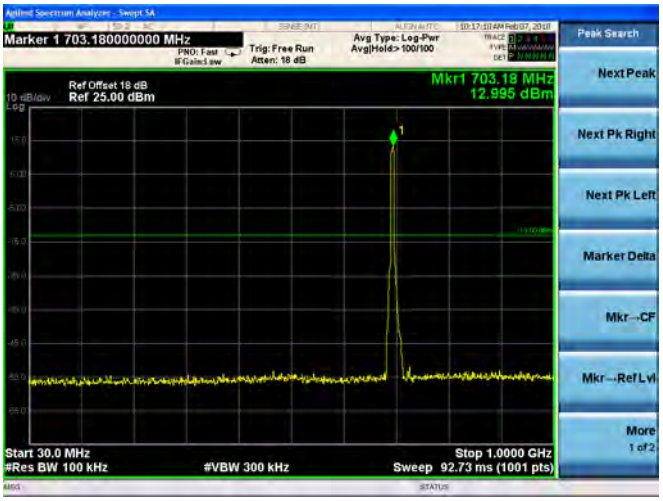
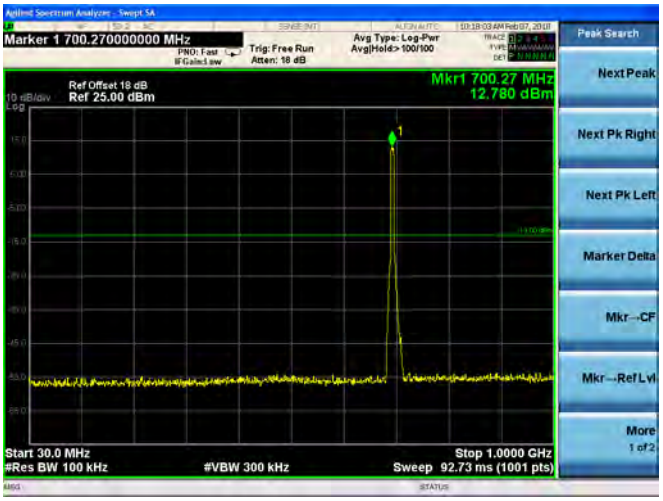
	

LTE Band 12 5MHz BW Low Channel	
QPSK	
	
16QAM	
	

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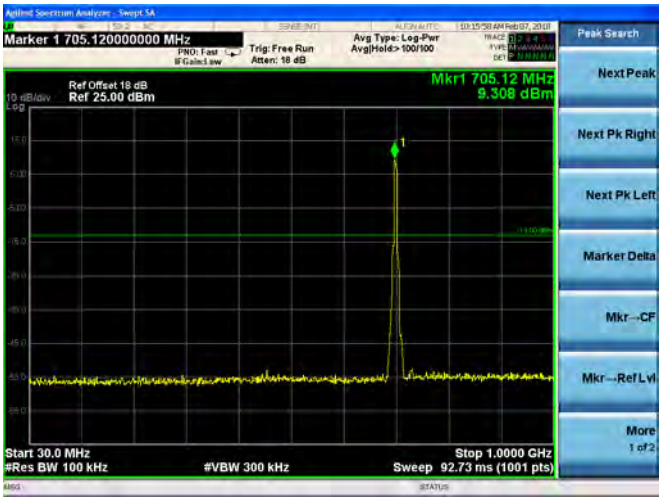
QPSK	
	
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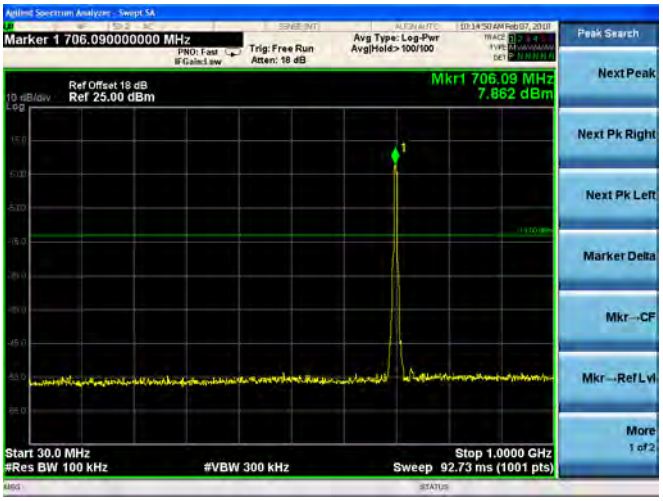
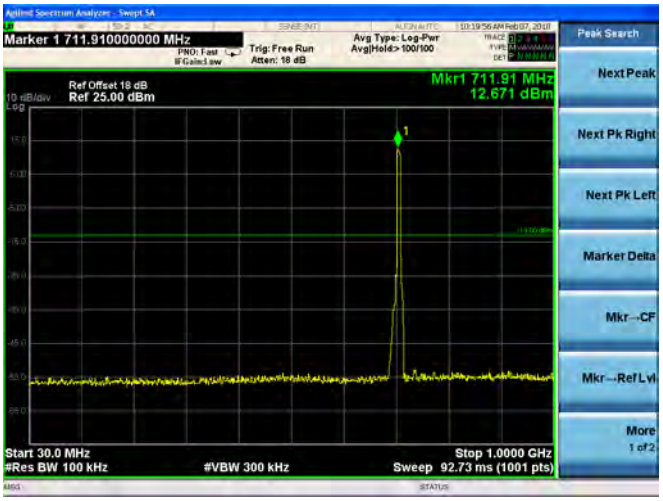
	

LTE Band 12 5MHz BW High Channel	
QPSK	
	
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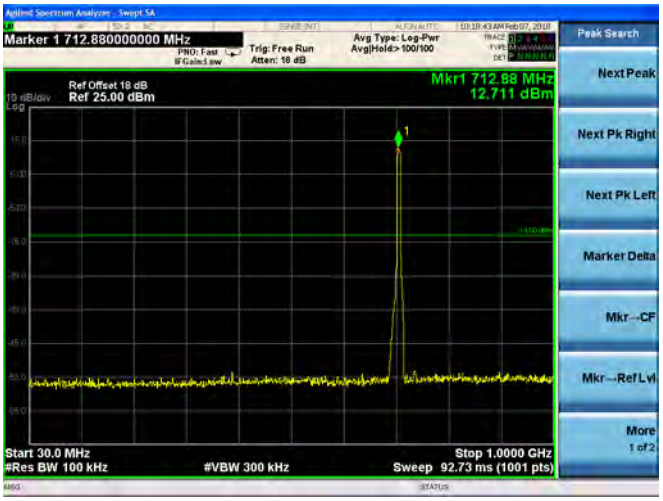
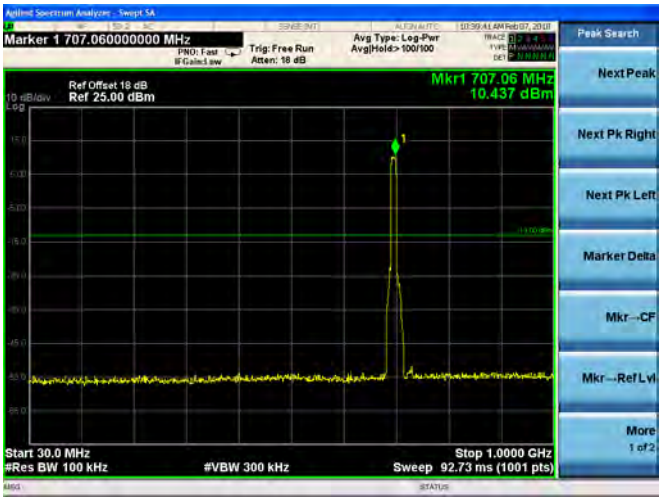
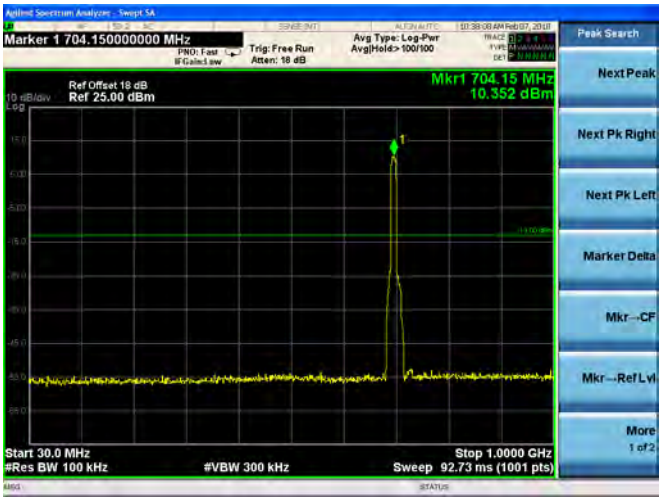
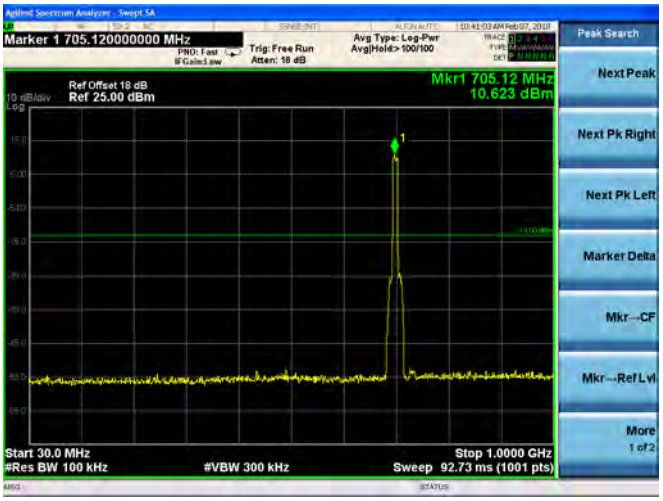
	

LTE Band 12 10MHz BW Low Channel	
QPSK	
	
16QAM	
	

LTE Band 12 10MHz BW Mid Channel	
QPSK	
	
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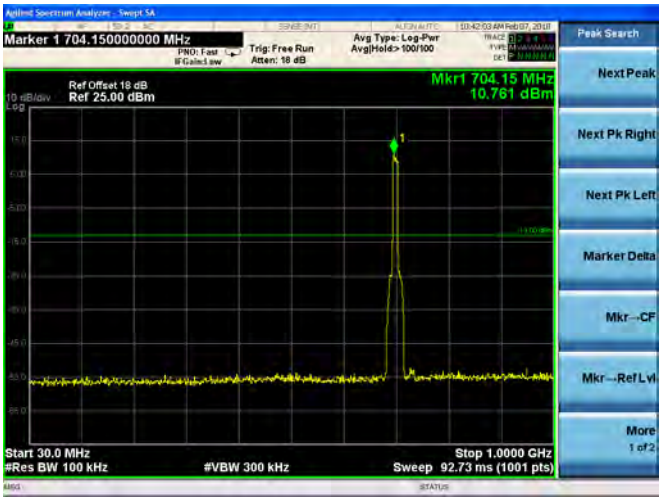
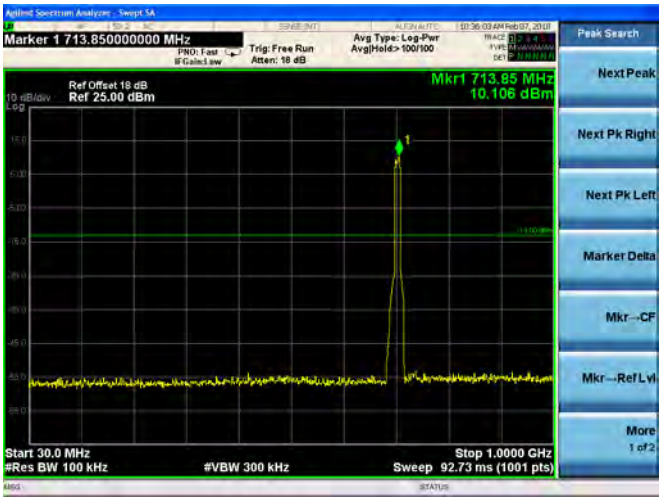
	

LTE Band 12 10MHz BW High Channel	
QPSK	
	
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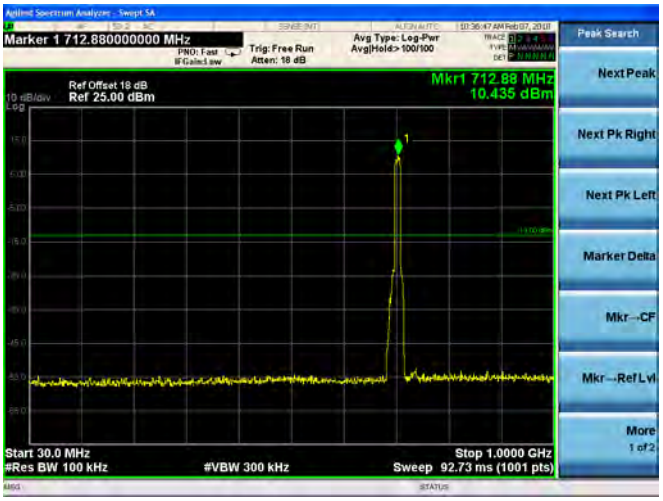
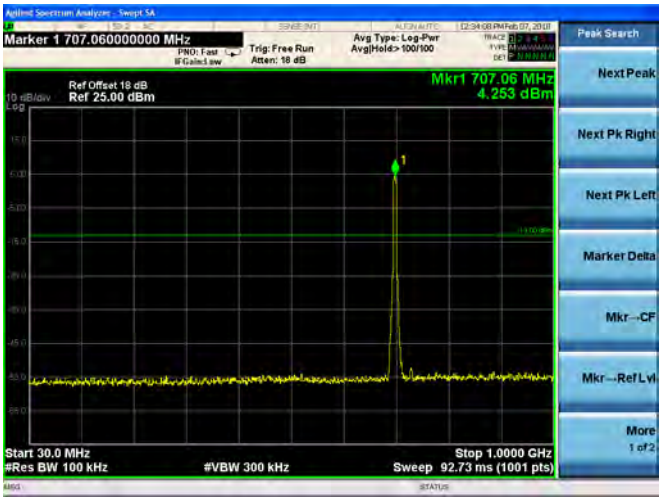
	

LTE Band 17 5MHz BW Low Channel	
QPSK	
	
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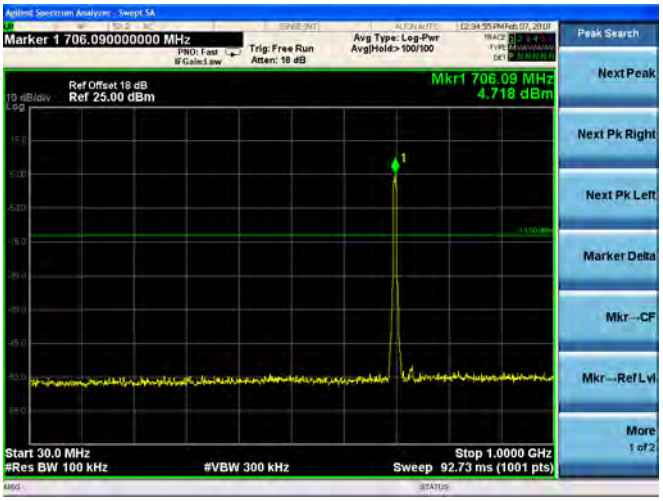
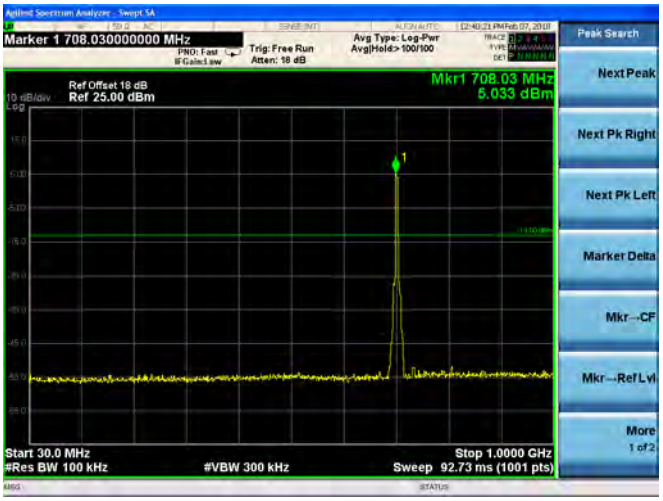
	

LTE Band 17 5MHz BW Mid Channel	
QPSK	
	
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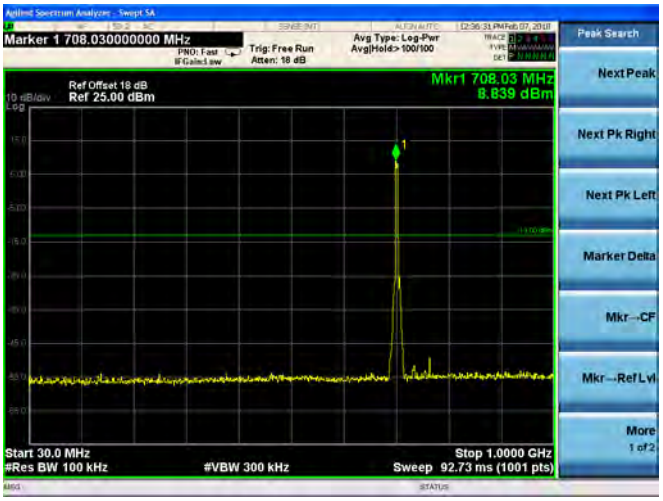
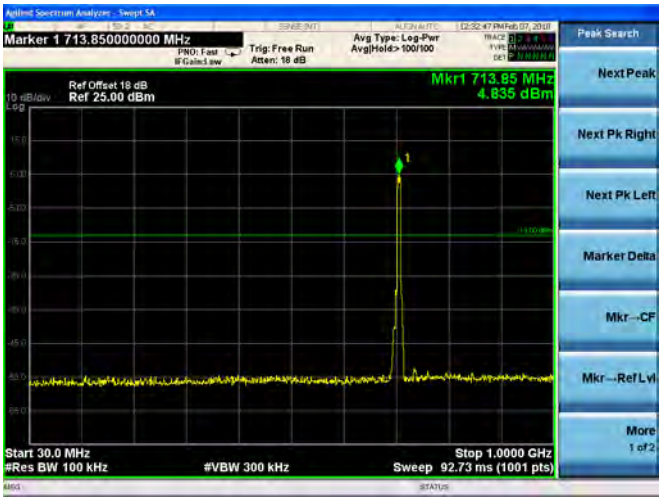
	

LTE Band 17 5MHz BW High Channel	
QPSK	
	
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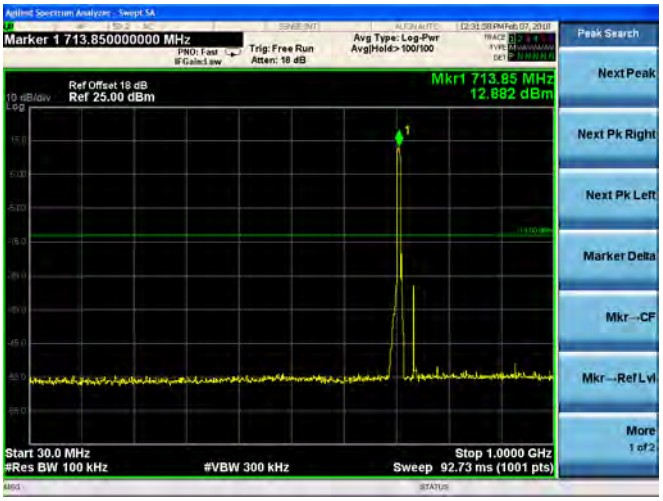
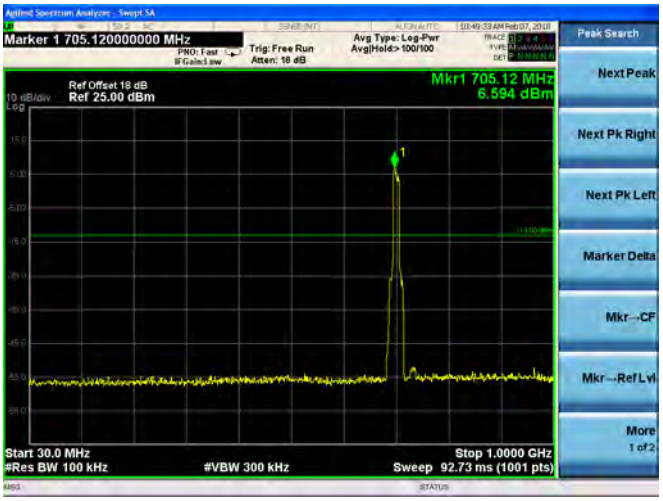
	

LTE Band 17 10MHz BW Low Channel	
QPSK	
	
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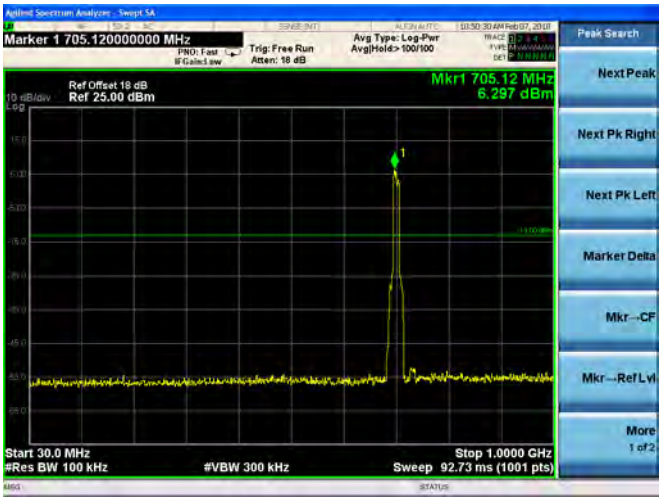
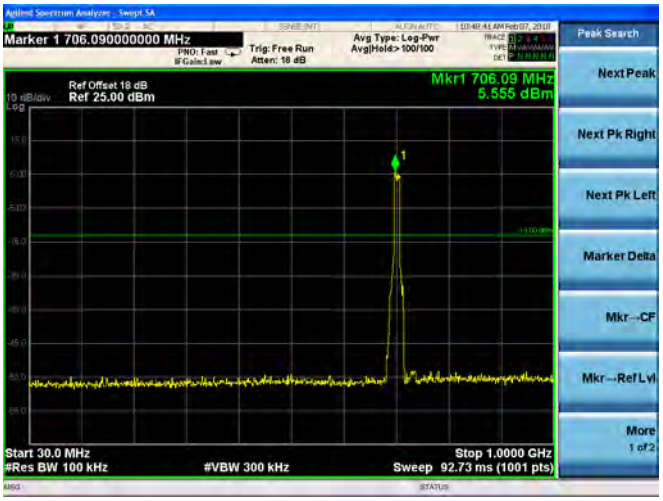
	

LTE Band 17 10MHz BW Mid Channel	
QPSK	
	
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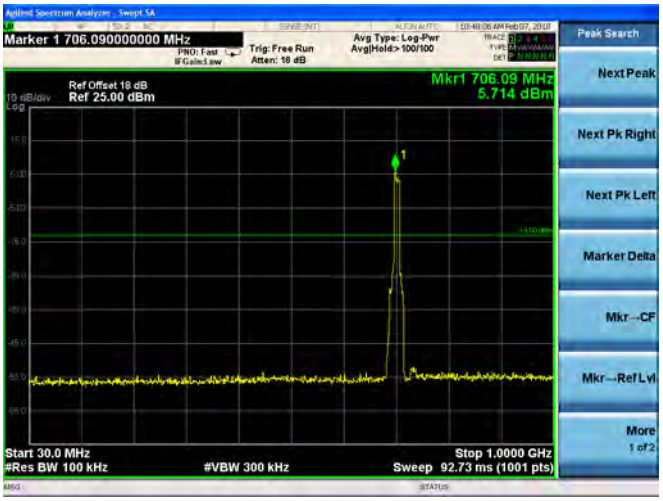
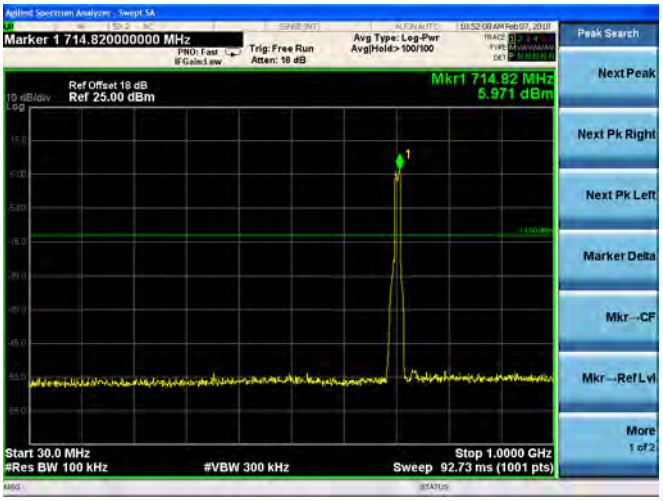
	

LTE Band 17 10MHz BW High Channel	
QPSK	
	
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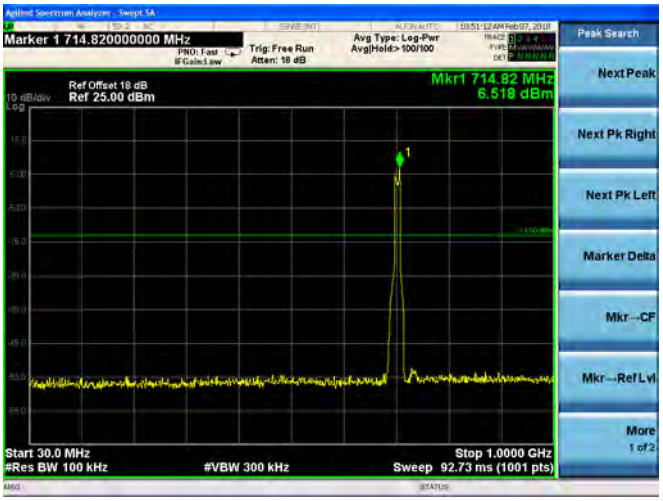
	

2.6. Band Edge

2.6.1. Requirement

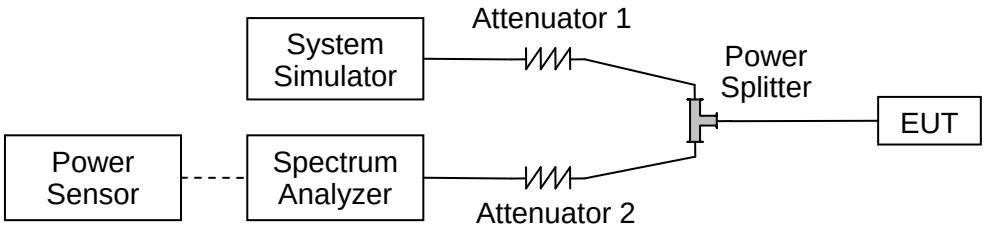
According to FCC section 24.238(a),The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

According to FCC section 27.53(g), For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

According to FCC section 27.53(h), For operations in the 1710–1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

According to FCC section 27.53(m) (4), For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

2.6.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

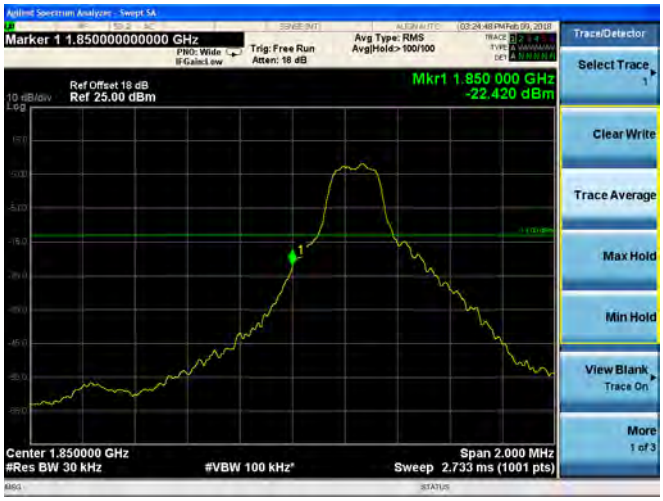
2.6.3. Test procedure

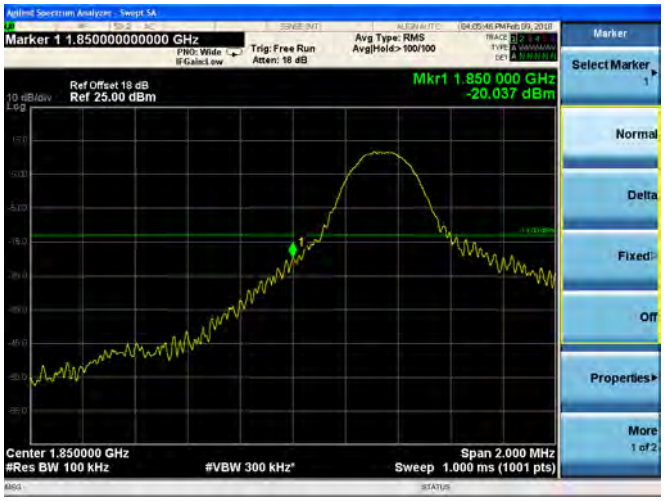
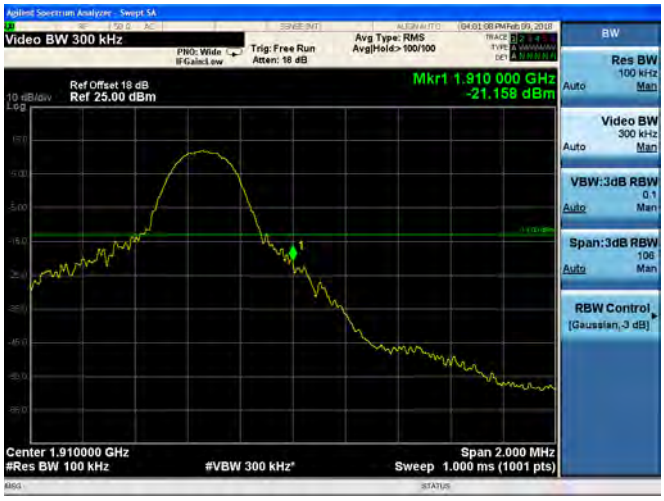
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

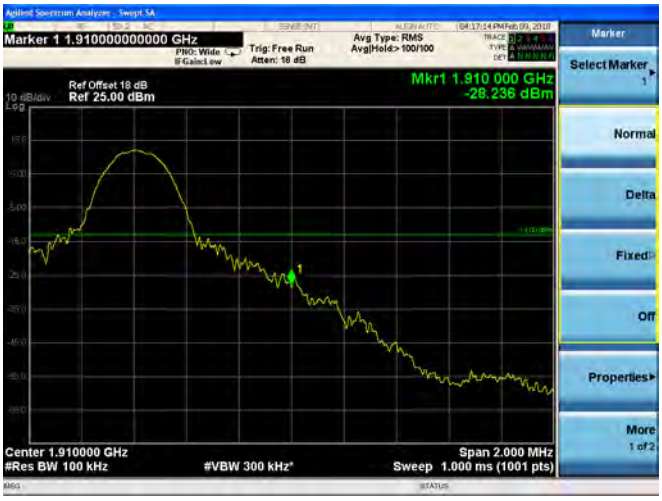
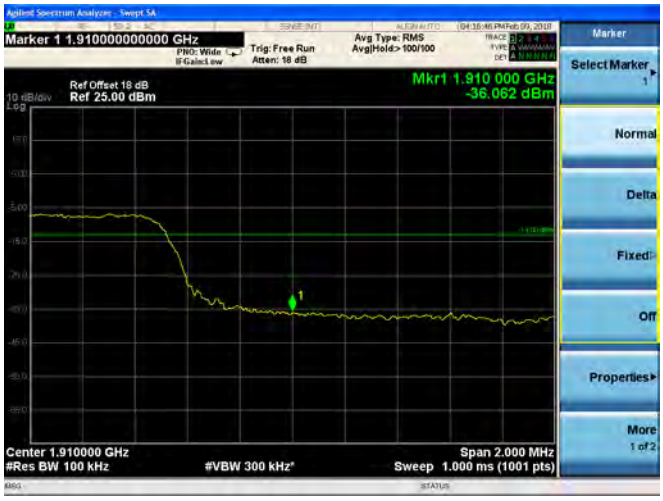
2.6.4. Test Result

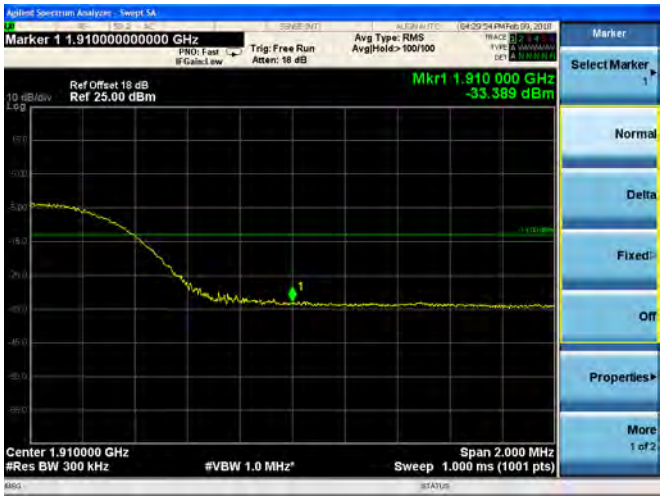
The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

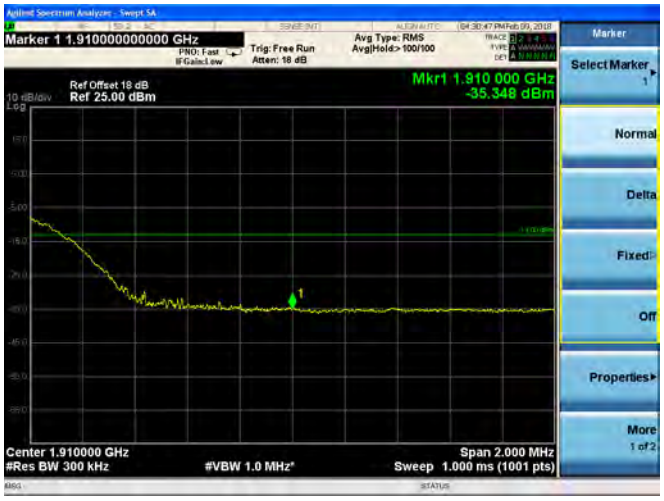
LTE Band 2							
Channel Bandwidth: 1.4MHz							
Channel	18607	RB Size 1	RB Offset 0	Channel	18607	RB Size 6	RB Offset 0
							
Channel Bandwidth: 1.4MHz							
Channel	19192	RB Size 1	RB Offset 5	Channel	19192	RB Size 6	RB Offset 0
							

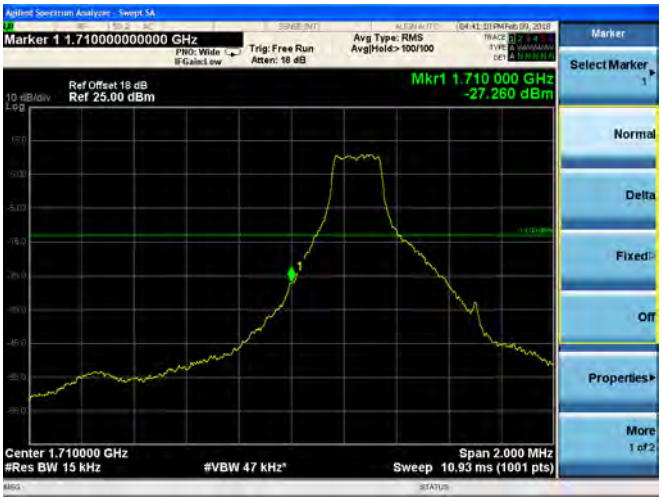
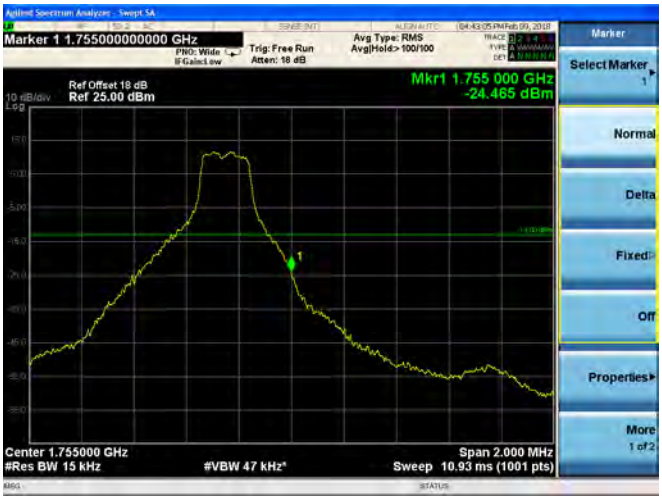
LTE Band 2							
Channel Bandwidth: 3MHz							
Channel	18165	RB Size 1	RB Offset 0	Channel	18165	RB Size 15	RB Offset 0
								
Channel Bandwidth: 3MHz							
Channel	19184	RB Size 1	RB Offset 14	Channel	19184	RB Size 15	RB Offset 0
								

LTE Band 2							
Channel Bandwidth: 5MHz							
Channel	18625	RB Size 1	RB Offset 0	Channel	18625	RB Size 25	RB Offset 0
							
Channel Bandwidth: 5MHz							
Channel	19175	RB Size 1	RB Offset 24	Channel	19175	RB Size 25	RB Offset 0
							

LTE Band 2							
Channel Bandwidth: 10MHz							
Channel	18650	RB Size 1	RB Offset 0	Channel	18650	RB Size 50	RB Offset 0
							
Channel Bandwidth: 10MHz							
Channel	19150	RB Size 1	RB Offset 49	Channel	19150	RB Size 50	RB Offset 0
							

LTE Band 2							
Channel Bandwidth: 15MHz							
Channel	18675	RB Size 1	RB Offset 0	Channel	18675	RB Size 75	RB Offset 0
							
Channel Bandwidth: 15MHz							
Channel	19125	RB Size 1	RB Offset 74	Channel	19125	RB Size 75	RB Offset 0
							

LTE Band 2							
Channel Bandwidth: 20MHz							
Channel	18700	RB Size 1	RB Offset 0	Channel	18700	RB Size 100	RB Offset 0
							
Channel Bandwidth: 20MHz							
Channel	19100	RB Size 1	RB Offset 99	Channel	19100	RB Size 100	RB Offset 0
							

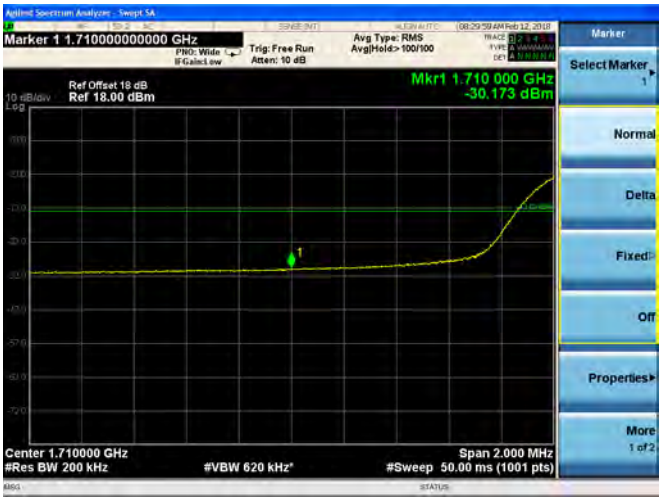
LTE Band 4							
Channel Bandwidth: 1.4MHz							
Channel	19957	RB Size 1	RB Offset 0	Channel	20393	RB Size 6	RB Offset 0
							
Channel Bandwidth: 1.4MHz							
Channel	19957	RB Size 1	RB Offset 5	Channel	20393	RB Size 6	RB Offset 0
							

LTE Band 4							
Channel Bandwidth: 3MHz							
Channel	19965	RB Size 1	RB Offset 0	Channel	20385	RB Size 15	RB Offset 0
							
Channel Bandwidth: 3MHz							
Channel	19965	RB Size 1	RB Offset 14	Channel	20385	RB Size 15	RB Offset 0
							

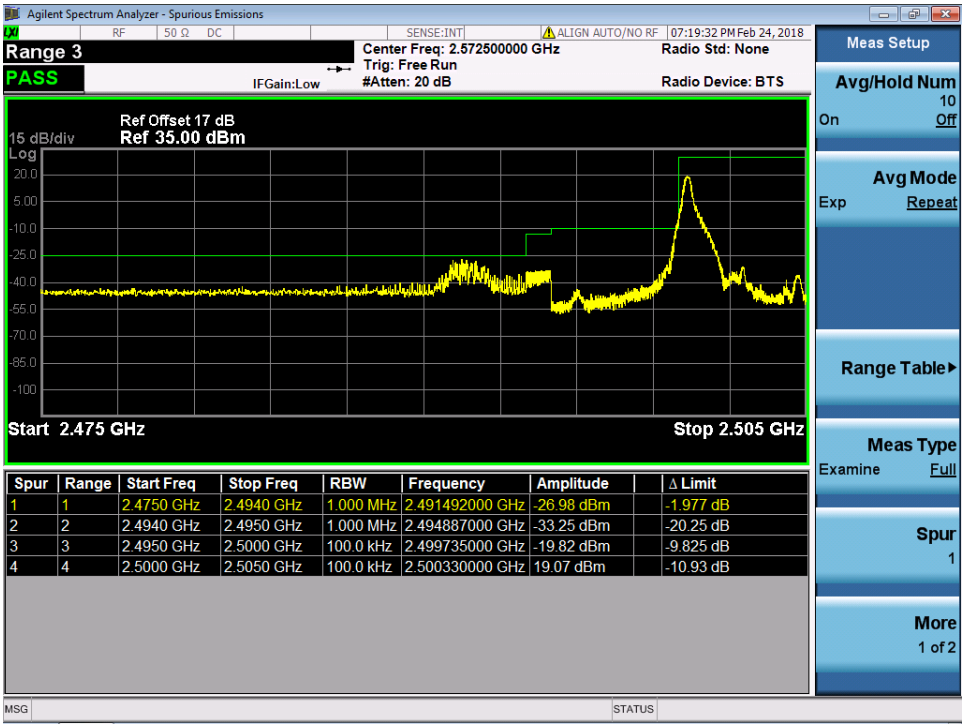
LTE Band 4							
Channel Bandwidth: 5MHz							
Channel	19975	RB Size 1	RB Offset 0	Channel	20375	RB Size 25	RB Offset 0
							
Channel Bandwidth: 5MHz							
Channel	19975	RB Size 1	RB Offset 24	Channel	20375	RB Size 25	RB Offset 0
							

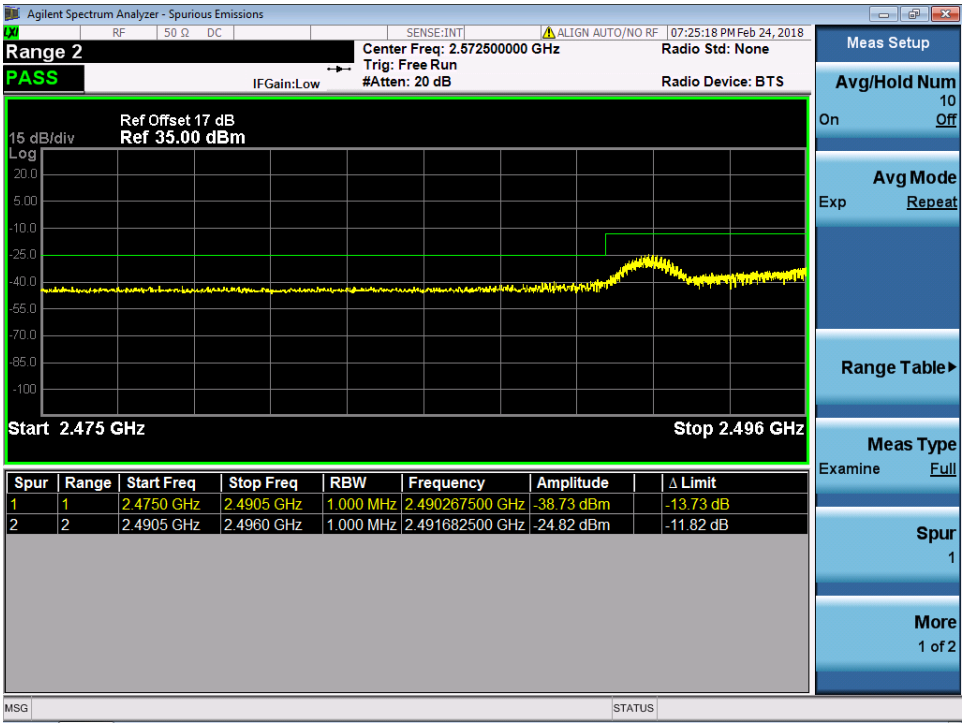
LTE Band 4							
Channel Bandwidth: 10MHz							
Channel	20000	RB Size 1	RB Offset 0	Channel	20350	RB Size 50	RB Offset 0
							
Channel Bandwidth: 10MHz							
Channel	20000	RB Size 1	RB Offset 49	Channel	20350	RB Size 50	RB Offset 0
							

LTE Band 4							
Channel Bandwidth: 15MHz							
Channel	20025	RB Size 1	RB Offset 0	Channel	20325	RB Size 75	RB Offset 0
							
Channel Bandwidth: 15MHz							
Channel	20025	RB Size 1	RB Offset 74	Channel	20325	RB Size 75	RB Offset 0
							

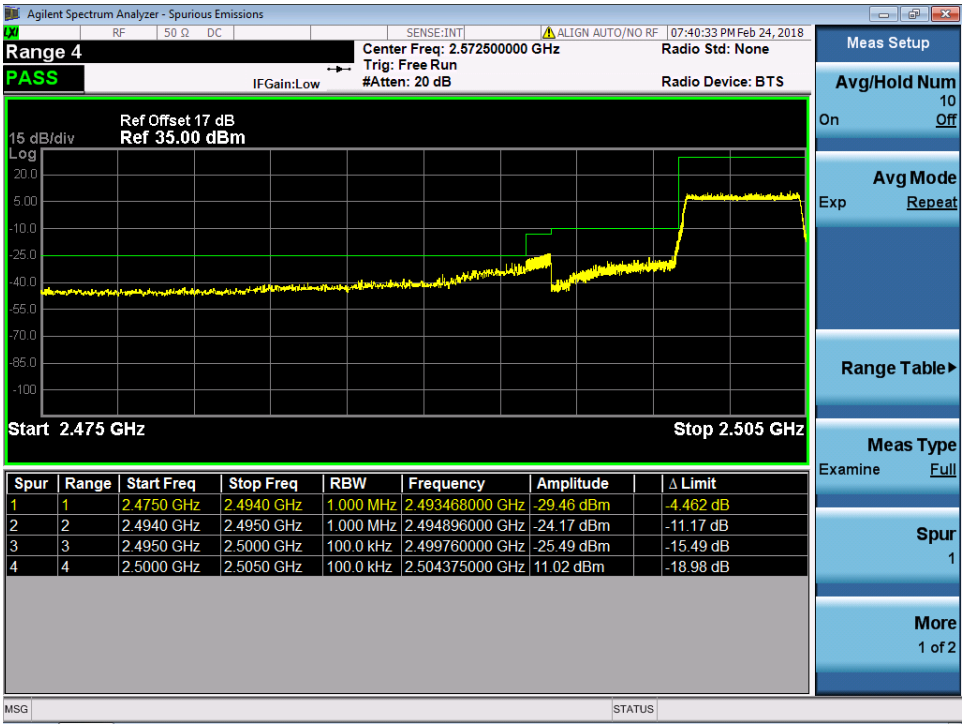
LTE Band 4							
Channel Bandwidth: 20MHz							
Channel	20050	RB Size 1	RB Offset 0	Channel	20300	RB Size 100	RB Offset 0
							
Channel Bandwidth: 20MHz							
Channel	20050	RB Size 1	RB Offset 99	Channel	20300	RB Size 100	RB Offset 0
							

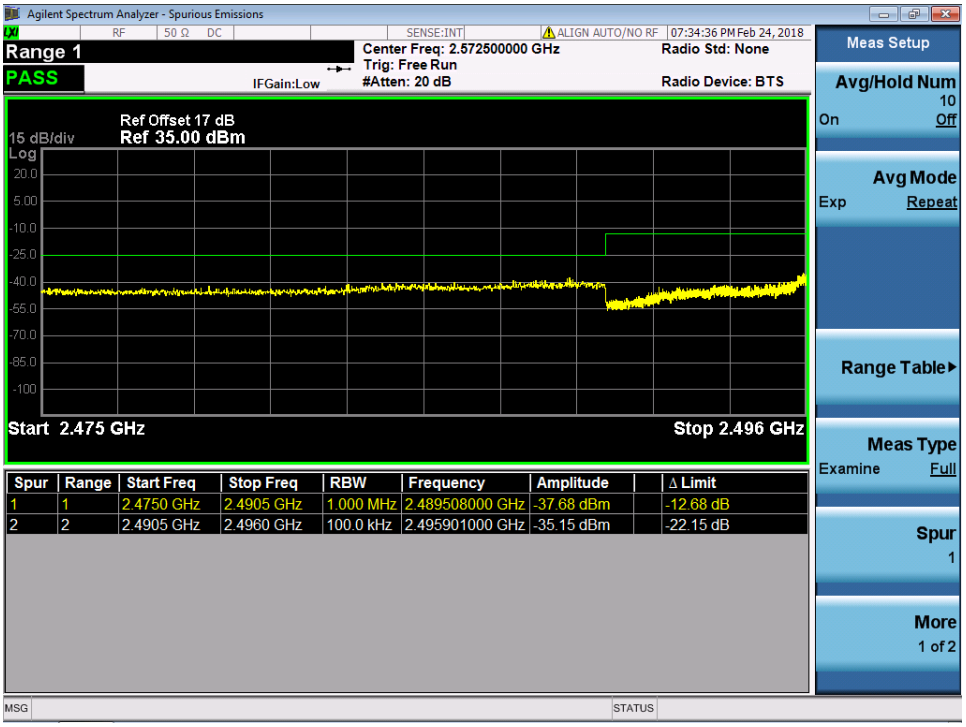
LTE Band 7			
Channel Bandwidth: 5MHz			
Channel	20775	RB Size 1	RB Offset 0





LTE Band 7			
Channel Bandwidth: 5MHz			
Channel	20775	RB Size 25	RB Offset 0

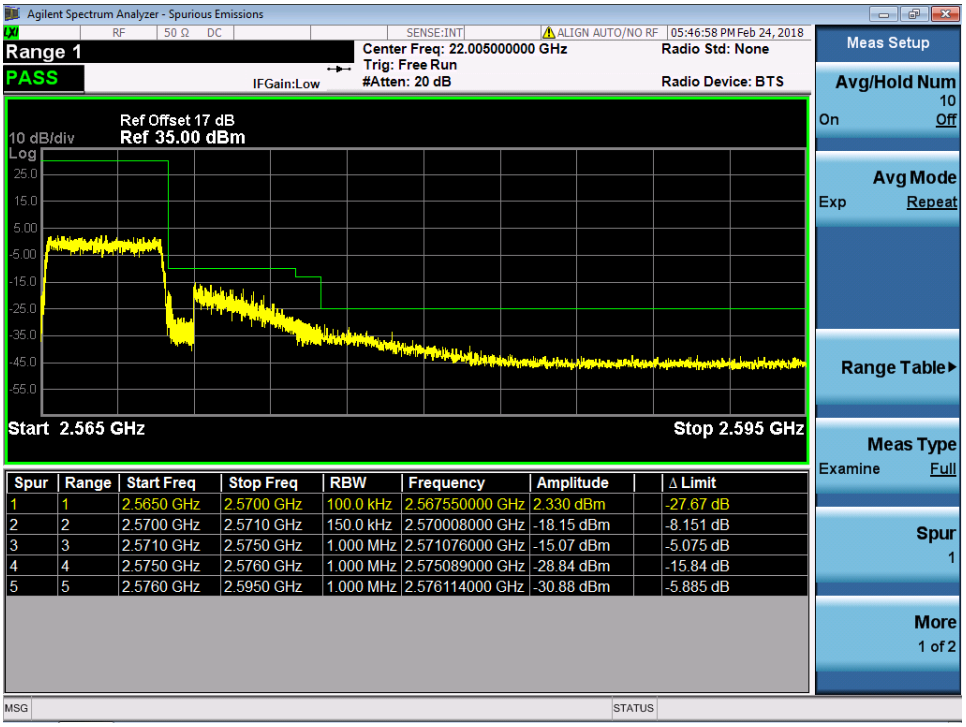




LTE Band 7			
Channel Bandwidth: 5MHz			
Channel	21425	RB Size 1	RB Offset 24

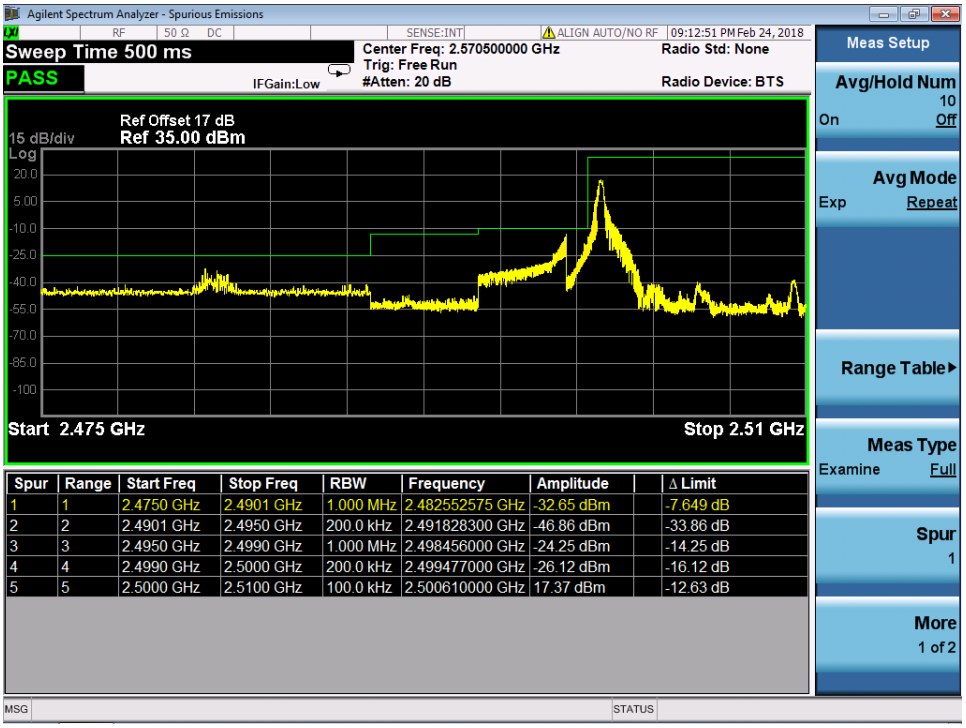
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5650 GHz	2.5700 GHz	100.0 kHz	2.569725000 GHz	19.07 dBm	-10.93 dB
2	2	2.5700 GHz	2.5710 GHz	150.0 kHz	2.570268000 GHz	-17.15 dBm	-7.154 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571412000 GHz	-12.72 dBm	-2.721 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575519000 GHz	-32.98 dBm	-19.98 dB
5	5	2.5760 GHz	2.5950 GHz	1.000 MHz	2.578289500 GHz	-50.61 dBm	-25.61 dB

Channel	21425	RB Size 25	RB Offset 0

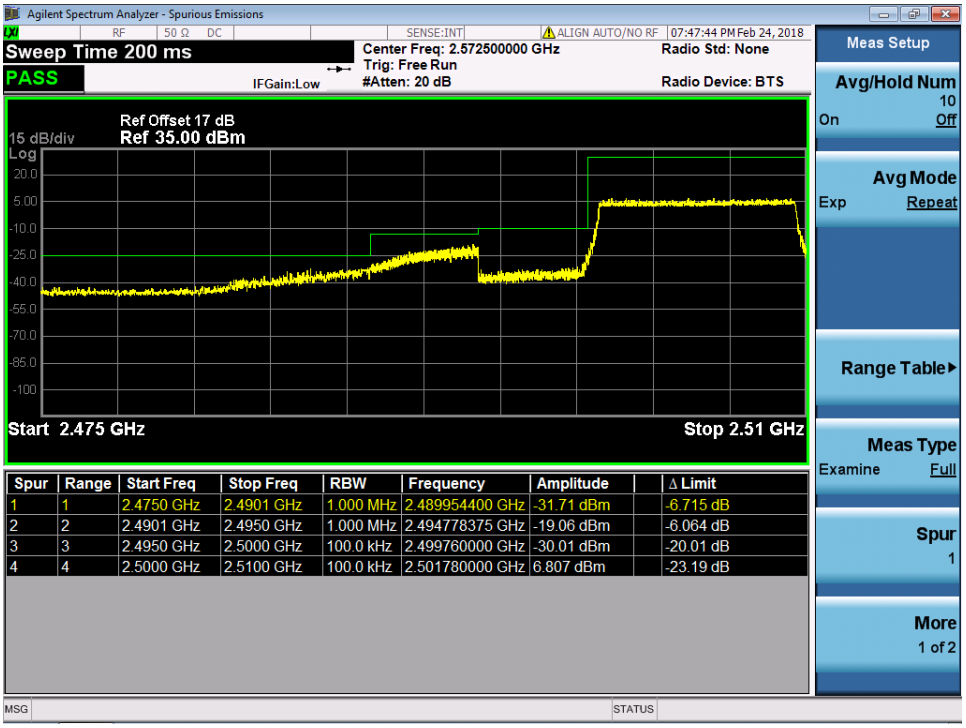


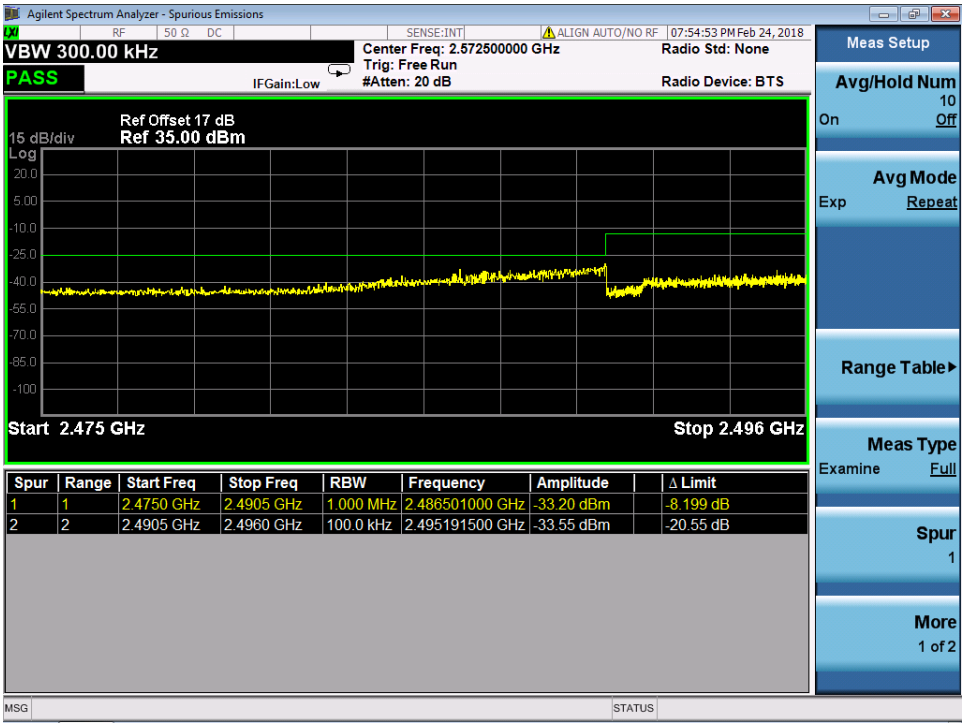
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5650 GHz	2.5700 GHz	100.0 kHz	2.567550000 GHz	2.330 dBm	-27.67 dB
2	2	2.5700 GHz	2.5710 GHz	150.0 kHz	2.570008000 GHz	-18.15 dBm	-8.151 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571076000 GHz	-15.07 dBm	-5.075 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575089000 GHz	-28.84 dBm	-15.84 dB
5	5	2.5760 GHz	2.5950 GHz	1.000 MHz	2.576114000 GHz	-30.88 dBm	-5.885 dB

LTE Band 7			
Channel Bandwidth: 10MHz			
Channel	20800	RB Size 1	RB Offset 0

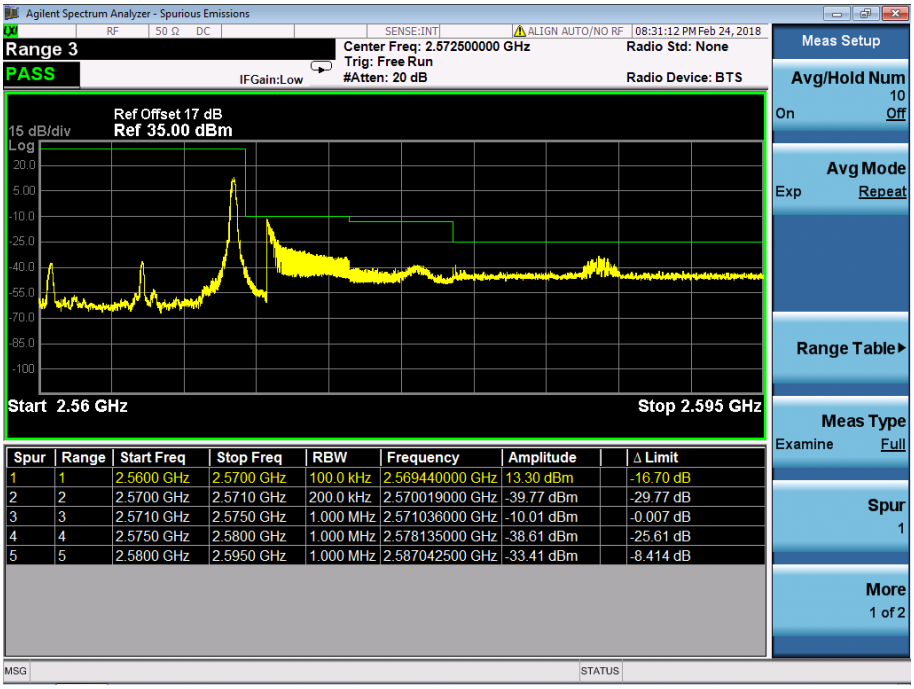


LTE Band 7			
Channel Bandwidth: 10MHz			
Channel	20800	RB Size 50	RB Offset 0





LTE Band 7			
Channel Bandwidth: 10MHz			
Channel	21400	RB Size 1	RB Offset 49

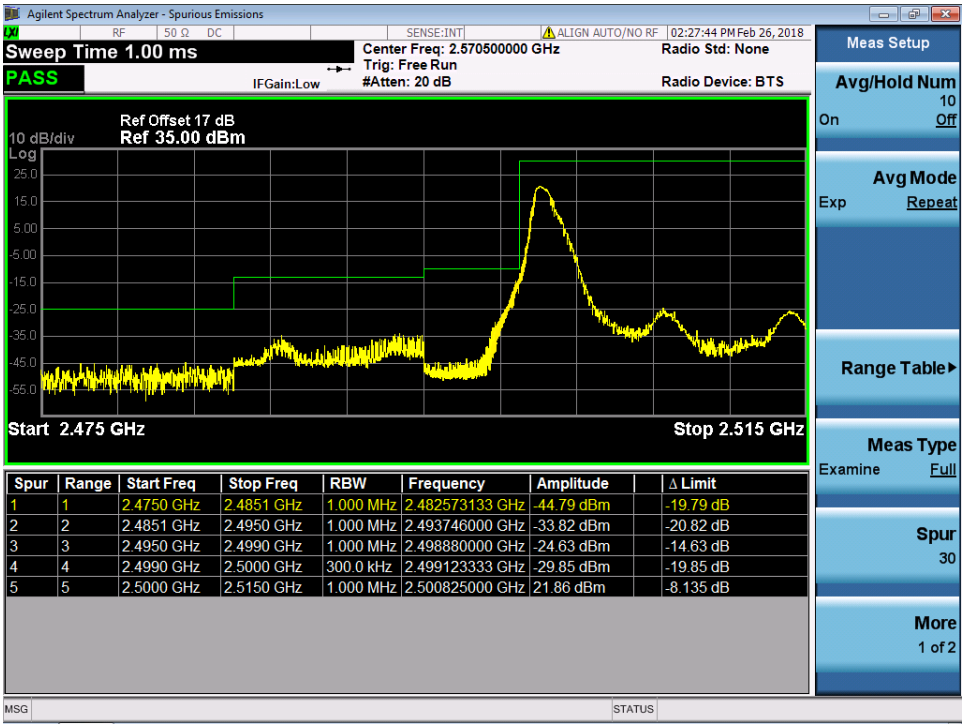


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	100.0 kHz	2.569440000 GHz	13.30 dBm	-16.70 dB
2	2	2.5700 GHz	2.5710 GHz	200.0 kHz	2.570019000 GHz	-39.77 dBm	-29.77 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571036000 GHz	-10.01 dBm	-0.007 dB
4	4	2.5750 GHz	2.5800 GHz	1.000 MHz	2.578135000 GHz	-38.61 dBm	-25.61 dB
5	5	2.5800 GHz	2.5950 GHz	1.000 MHz	2.587042500 GHz	-33.41 dBm	-8.414 dB

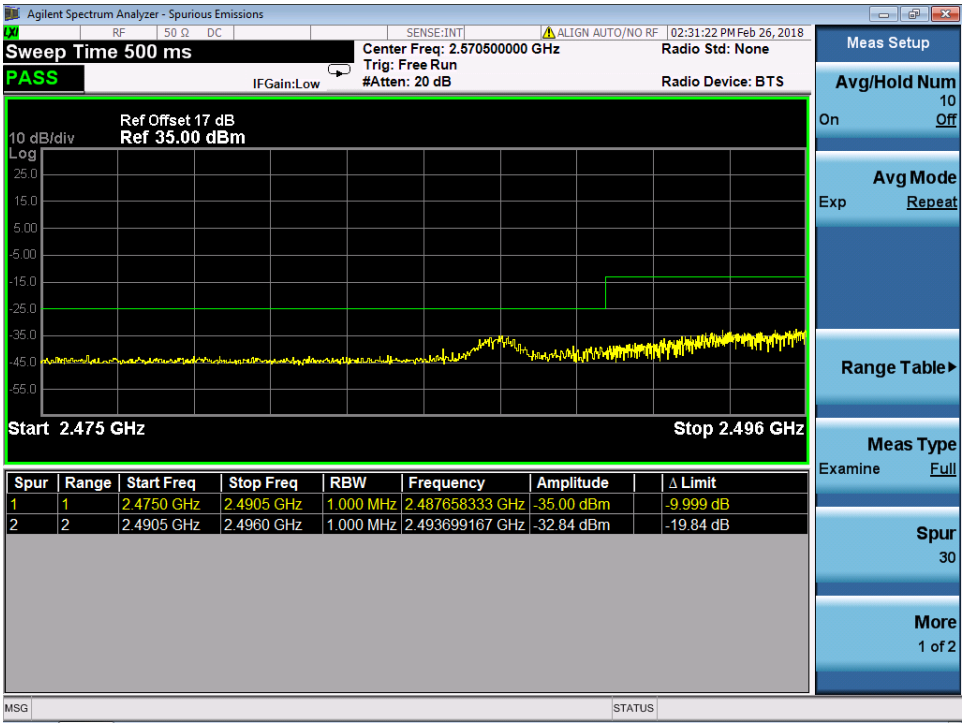
Channel	21400	RB Size 50	RB Offset 0

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	100.0 kHz	2.562550000 GHz	-1.344 dBm	-31.34 dB
2	2	2.5700 GHz	2.5710 GHz	200.0 kHz	2.570006000 GHz	-12.95 dBm	-2.950 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.572460000 GHz	-12.24 dBm	-2.240 dB
4	4	2.5750 GHz	2.5800 GHz	1.000 MHz	2.575340000 GHz	-21.18 dBm	-8.182 dB
5	5	2.5800 GHz	2.5950 GHz	1.000 MHz	2.581477500 GHz	-29.60 dBm	-4.603 dB

LTE Band 7			
Channel Bandwidth: 15MHz			
Channel	20825	RB Size 1	RB Offset 0

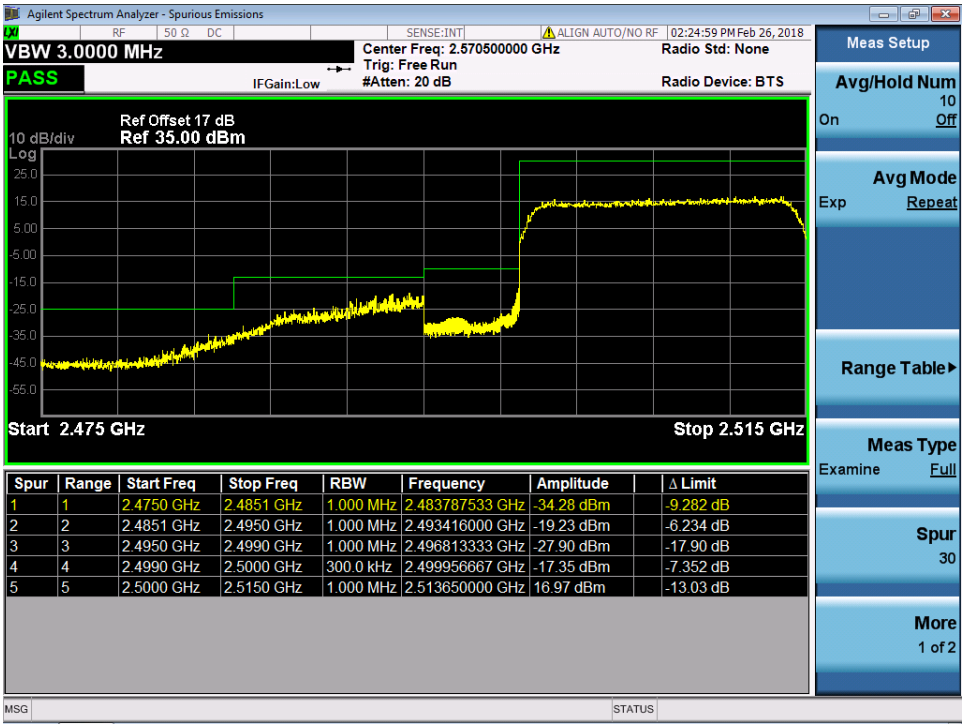


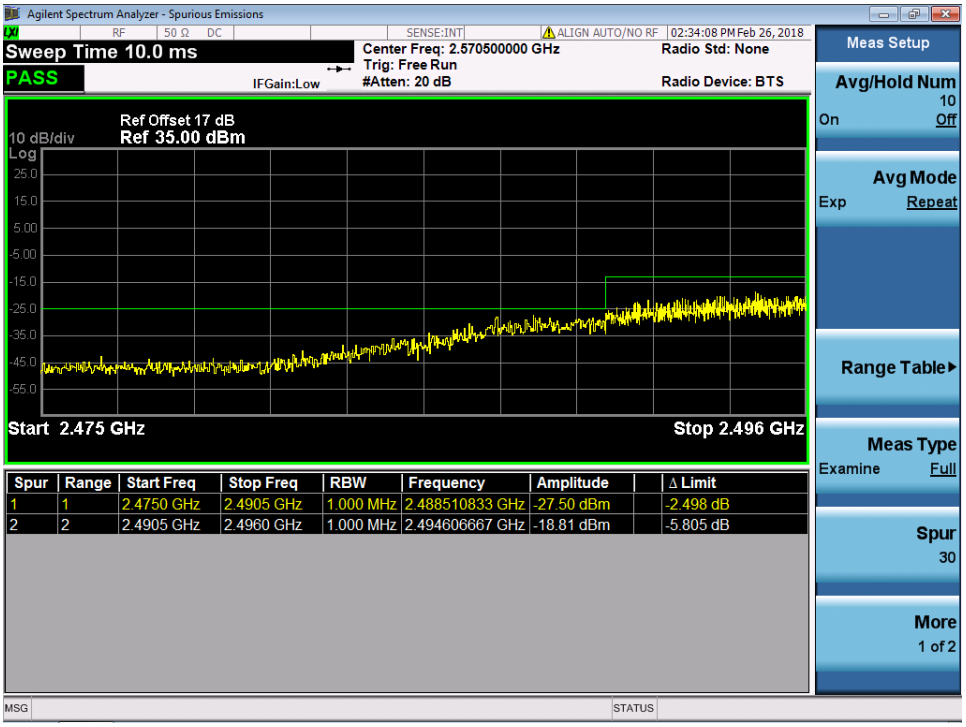
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4851 GHz	1.000 MHz	2.482573133 GHz	-44.79 dBm	-19.79 dB
2	2	2.4851 GHz	2.4950 GHz	1.000 MHz	2.493746000 GHz	-33.82 dBm	-20.82 dB
3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.498880000 GHz	-24.63 dBm	-14.63 dB
4	4	2.4990 GHz	2.5000 GHz	300.0 kHz	2.499123333 GHz	-29.85 dBm	-19.85 dB
5	5	2.5000 GHz	2.5150 GHz	1.000 MHz	2.500825000 GHz	21.86 dBm	-8.135 dB



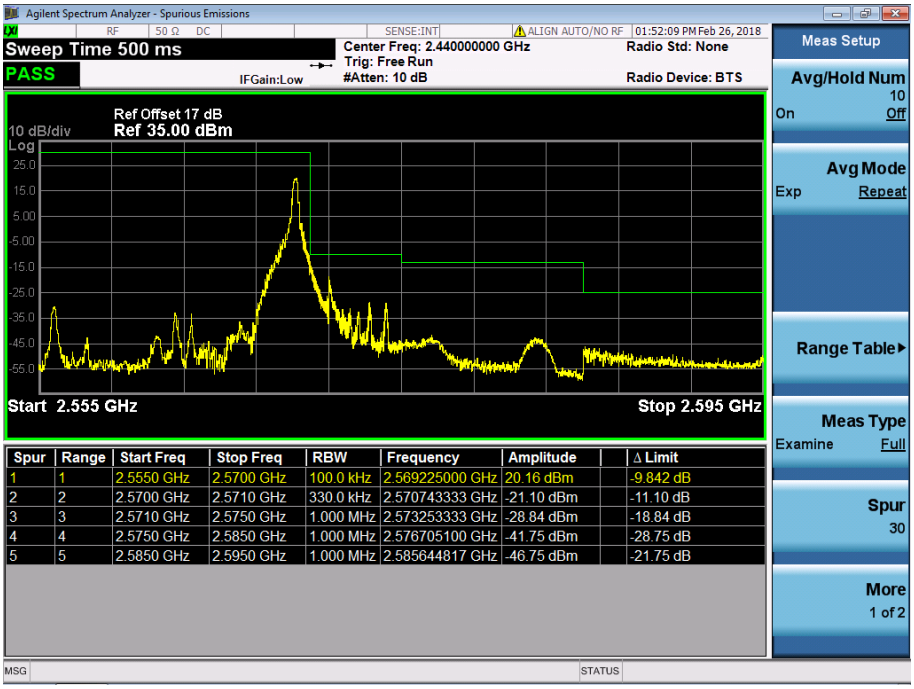
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.487658333 GHz	-35.00 dBm	-9.999 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.493699167 GHz	-32.84 dBm	-19.84 dB

LTE Band 7			
Channel Bandwidth: 15MHz			
Channel	20825	RB Size 75	RB Offset 0



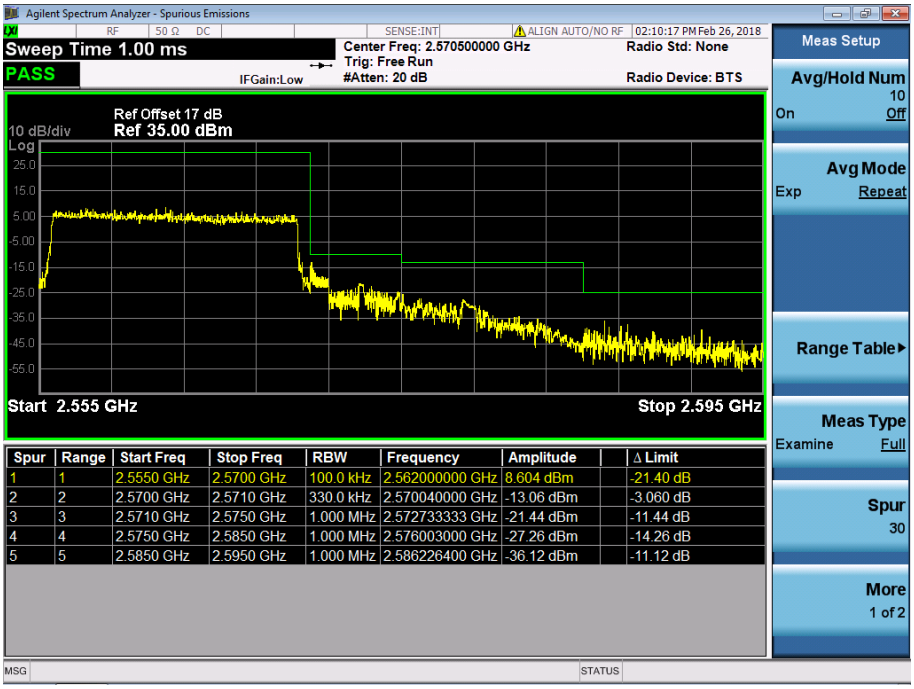


LTE Band 7			
Channel Bandwidth: 15MHz			
Channel	21375	RB Size 1	RB Offset 74



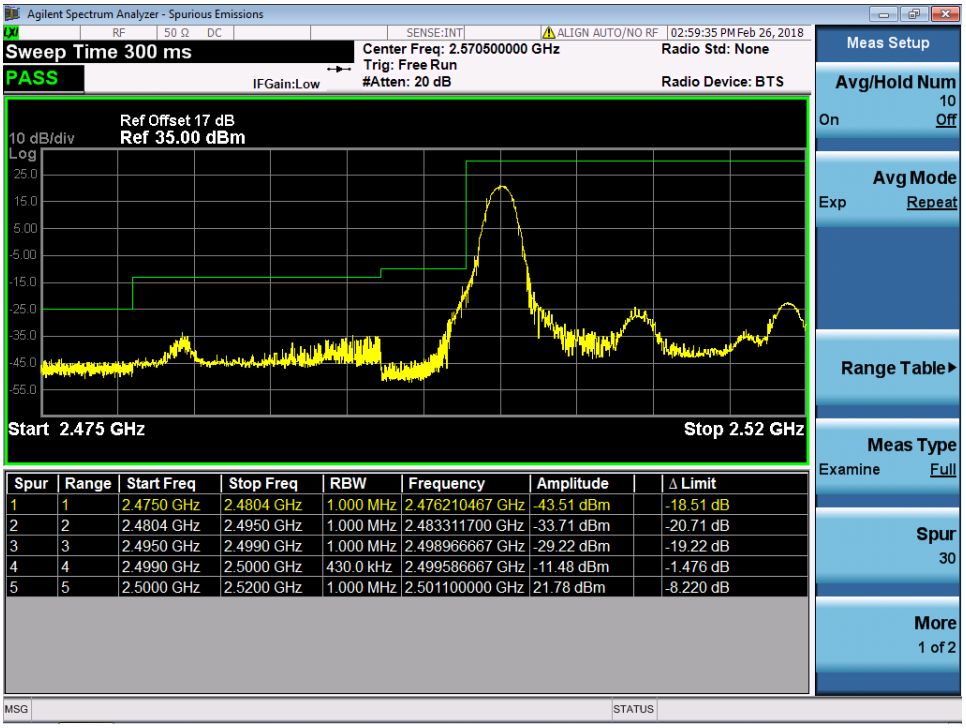
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5550 GHz	2.5700 GHz	100.0 kHz	2.569225000 GHz	20.16 dBm	-9.842 dB
2	2	2.5700 GHz	2.5710 GHz	330.0 kHz	2.570743333 GHz	-21.10 dBm	-11.10 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.573253333 GHz	-28.84 dBm	-18.84 dB
4	4	2.5750 GHz	2.5850 GHz	1.000 MHz	2.576705100 GHz	-41.75 dBm	-28.75 dB
5	5	2.5850 GHz	2.5950 GHz	1.000 MHz	2.585644817 GHz	-46.75 dBm	-21.75 dB

Channel	21375	RB Size 75	RB Offset 0

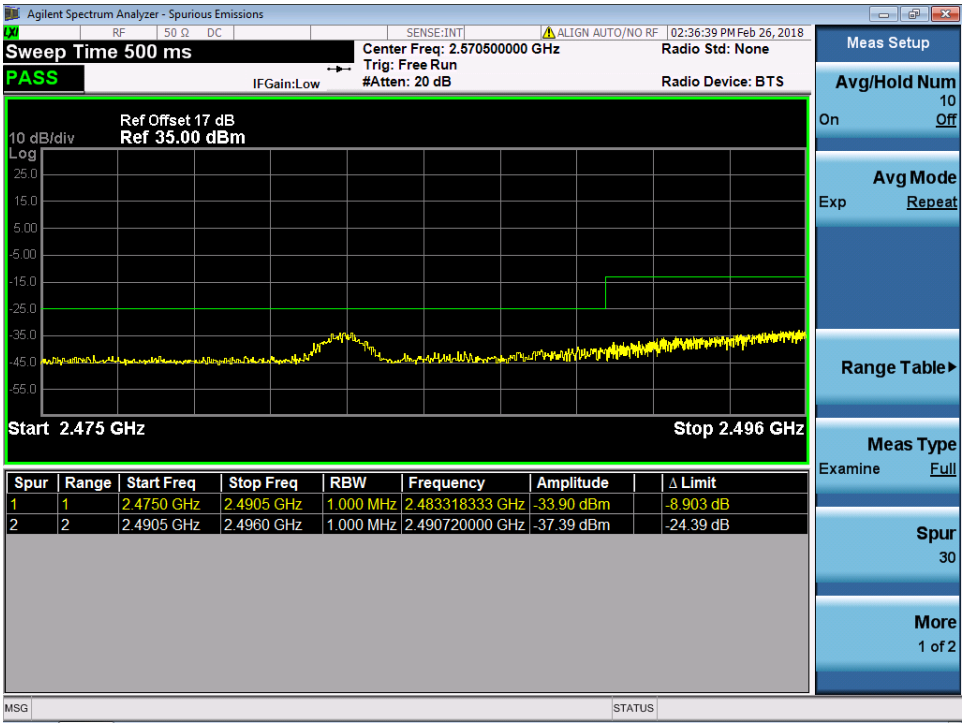


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5550 GHz	2.5700 GHz	100.0 kHz	2.562000000 GHz	8.604 dBm	-21.40 dB
2	2	2.5700 GHz	2.5710 GHz	330.0 kHz	2.570040000 GHz	-13.06 dBm	-3.060 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.572733333 GHz	-21.44 dBm	-11.44 dB
4	4	2.5750 GHz	2.5850 GHz	1.000 MHz	2.576003000 GHz	-27.26 dBm	-14.26 dB
5	5	2.5850 GHz	2.5950 GHz	1.000 MHz	2.586226400 GHz	-36.12 dBm	-11.12 dB

LTE Band 7			
Channel Bandwidth: 20MHz			
Channel	20850	RB Size 1	RB Offset 0

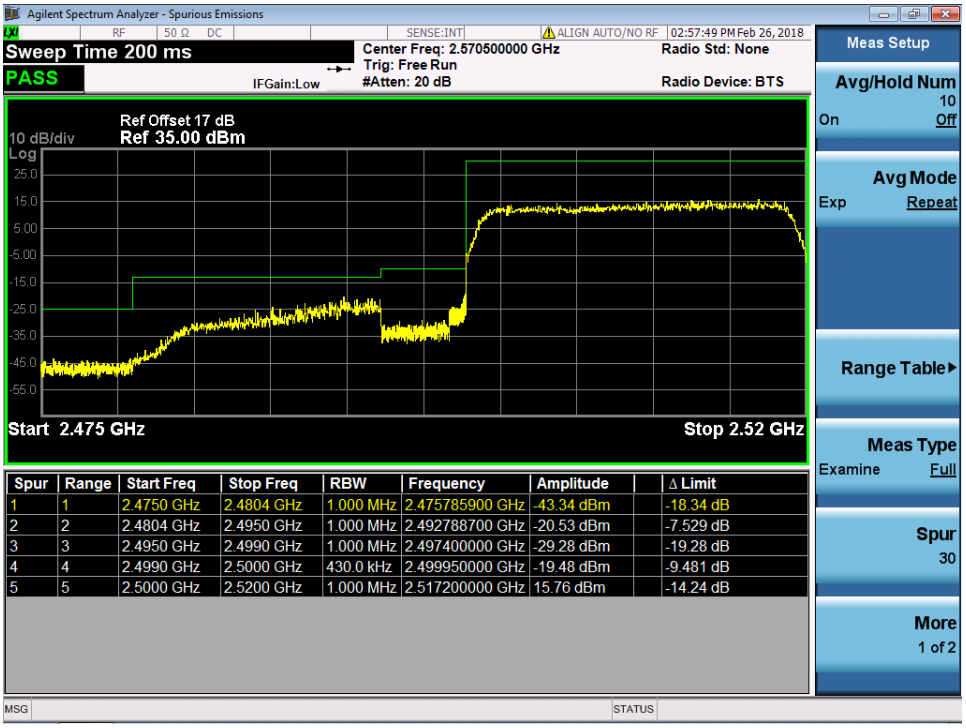


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4804 GHz	1.000 MHz	2.476210467 GHz	-43.51 dBm	-18.51 dB
2	2	2.4804 GHz	2.4950 GHz	1.000 MHz	2.483311700 GHz	-33.71 dBm	-20.71 dB
3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.498966667 GHz	-29.22 dBm	-19.22 dB
4	4	2.4990 GHz	2.5000 GHz	430.0 kHz	2.499586667 GHz	-11.48 dBm	-1.476 dB
5	5	2.5000 GHz	2.5200 GHz	1.000 MHz	2.501100000 GHz	21.78 dBm	-8.220 dB

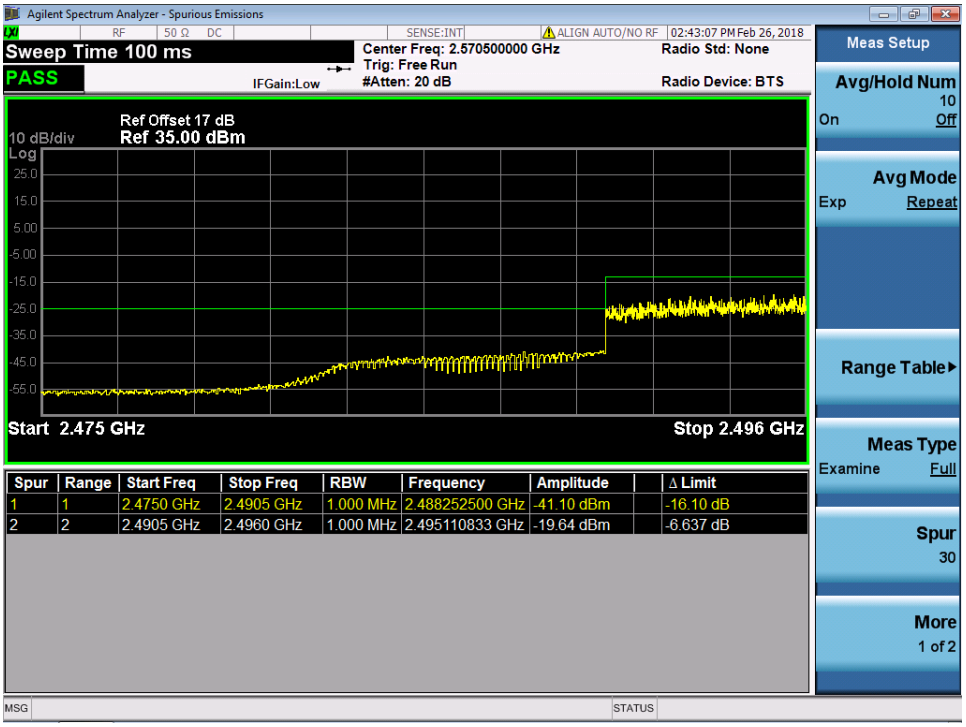


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.483318333 GHz	-33.90 dBm	-8.903 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.490720000 GHz	-37.39 dBm	-24.39 dB

LTE Band 7			
Channel Bandwidth: 20MHz			
Channel	20850	RB Size 100	RB Offset 0

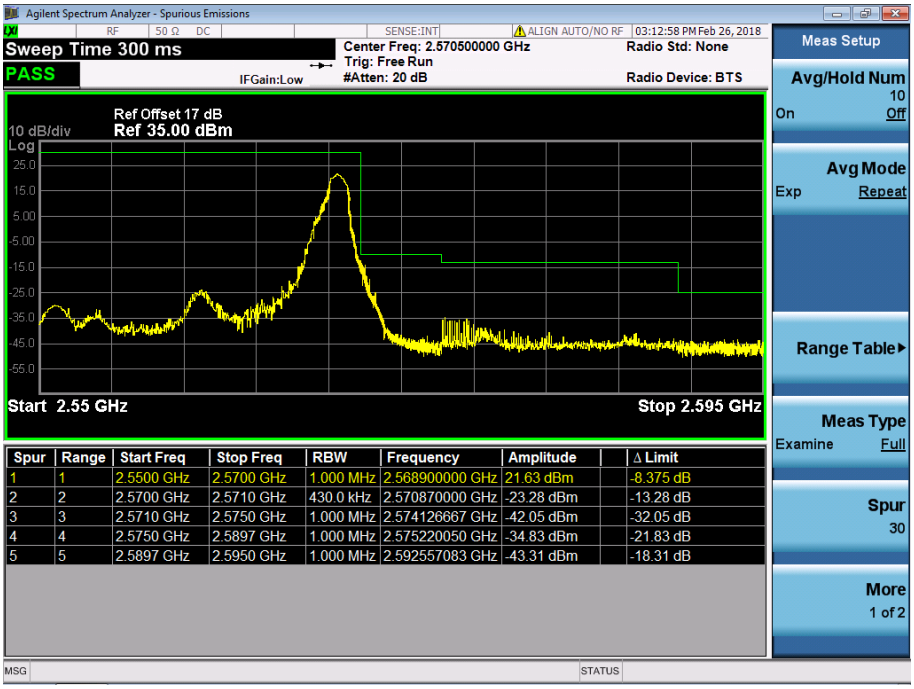


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4804 GHz	1.000 MHz	2.475785900 GHz	-43.34 dBm	-18.34 dB
2	2	2.4804 GHz	2.4950 GHz	1.000 MHz	2.492788700 GHz	-20.53 dBm	-7.529 dB
3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.497400000 GHz	-29.28 dBm	-19.28 dB
4	4	2.4990 GHz	2.5000 GHz	430.0 kHz	2.499950000 GHz	-19.48 dBm	-9.481 dB
5	5	2.5000 GHz	2.5200 GHz	1.000 MHz	2.517200000 GHz	15.76 dBm	-14.24 dB



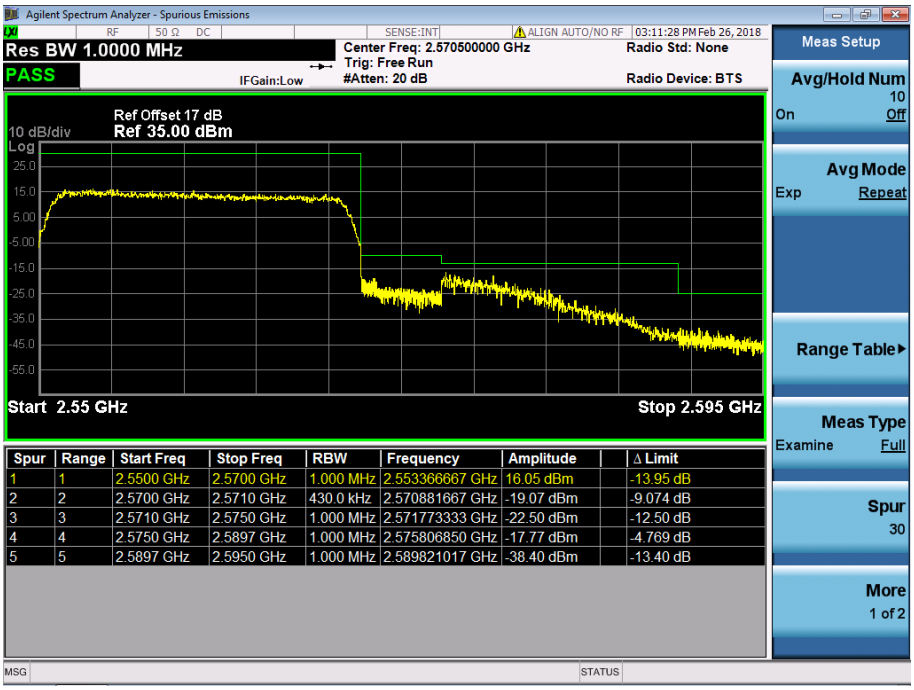
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.488252500 GHz	-41.10 dBm	-16.10 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495110833 GHz	-19.64 dBm	-6.637 dB

LTE Band 7			
Channel Bandwidth: 20MHz			
Channel	21350	RB Size 1	RB Offset 99

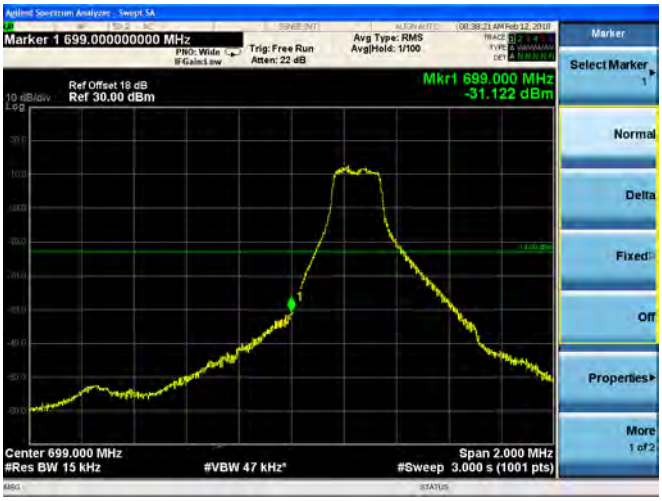
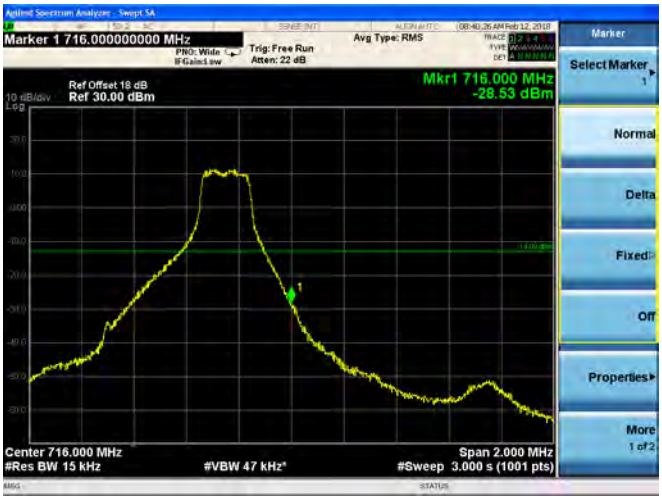


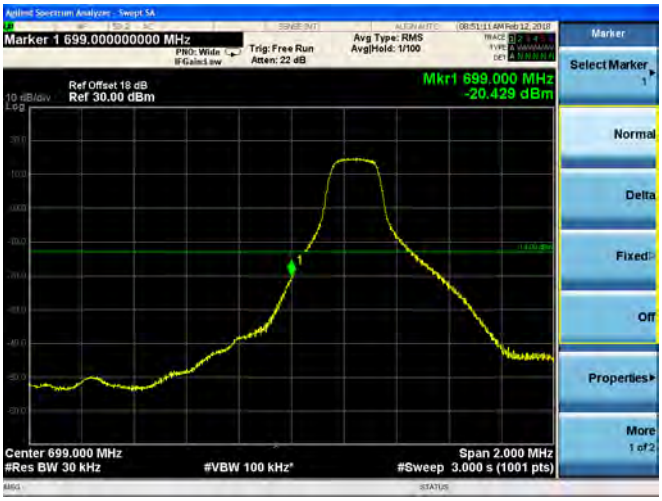
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5700 GHz	1.000 MHz	2.568900000 GHz	21.63 dBm	-8.375 dB
2	2	2.5700 GHz	2.5710 GHz	430.0 kHz	2.570870000 GHz	-23.28 dBm	-13.28 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.574126667 GHz	-42.05 dBm	-32.05 dB
4	4	2.5750 GHz	2.5897 GHz	1.000 MHz	2.575220050 GHz	-34.83 dBm	-21.83 dB
5	5	2.5897 GHz	2.5950 GHz	1.000 MHz	2.592557083 GHz	-43.31 dBm	-18.31 dB

Channel	21350	RB Size 100	RB Offset 0



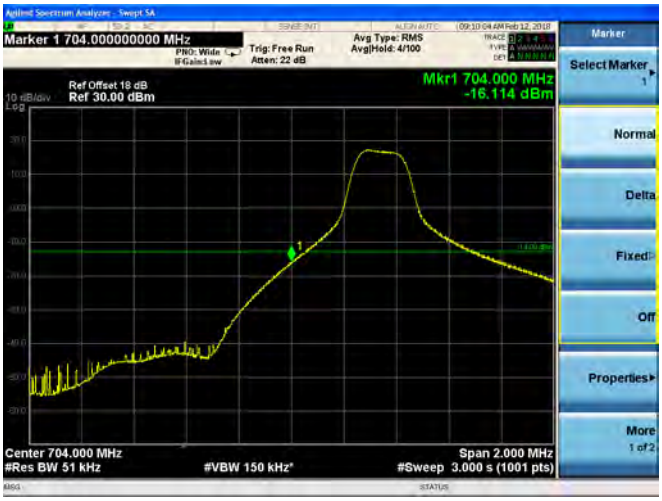
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5700 GHz	1.000 MHz	2.553366667 GHz	16.05 dBm	-13.95 dB
2	2	2.5700 GHz	2.5710 GHz	430.0 kHz	2.570881667 GHz	-19.07 dBm	-9.074 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571773333 GHz	-22.50 dBm	-12.50 dB
4	4	2.5750 GHz	2.5897 GHz	1.000 MHz	2.575806850 GHz	-17.77 dBm	-4.769 dB
5	5	2.5897 GHz	2.5950 GHz	1.000 MHz	2.589821017 GHz	-38.40 dBm	-13.40 dB

LTE Band 12							
Channel Bandwidth: 1.4MHz							
Channel	23017	RB Size 1	RB Offset 0	Channel	23017	RB Size 6	RB Offset 0
							
Channel Bandwidth: 1.4MHz							
Channel	23173	RB Size 1	RB Offset 5	Channel	23173	RB Size 6	RB Offset 0
							

LTE Band 12							
Channel Bandwidth: 3MHz							
Channel	23025	RB Size 1	RB Offset 0	Channel	23025	RB Size 15	RB Offset 0
							
Channel Bandwidth: 3MHz							
Channel	23165	RB Size 1	RB Offset 14	Channel	23165	RB Size 15	RB Offset 0
							

LTE Band 12							
Channel Bandwidth: 5MHz							
Channel	23035	RB Size 1	RB Offset 0	Channel	23035	RB Size 25	RB Offset 0
							
Channel Bandwidth: 5MHz							
Channel	23155	RB Size 1	RB Offset 24	Channel	23155	RB Size 25	RB Offset 0
							

LTE Band 12							
Channel Bandwidth: 10MHz							
Channel	23060	RB Size 1	RB Offset 0	Channel	23060	RB Size 50	RB Offset 0
							
Channel Bandwidth: 10MHz							
Channel	23130	RB Size 1	RB Offset 49	Channel	23130	RB Size 50	RB Offset 0
							

LTE Band 17							
Channel Bandwidth: 5MHz							
Channel	23755	RB Size 1	RB Offset 0	Channel	23755	RB Size 25	RB Offset 0
							
Channel Bandwidth: 5MHz							
Channel	23825	RB Size 1	RB Offset 24	Channel	23825	RB Size 25	RB Offset 0
							

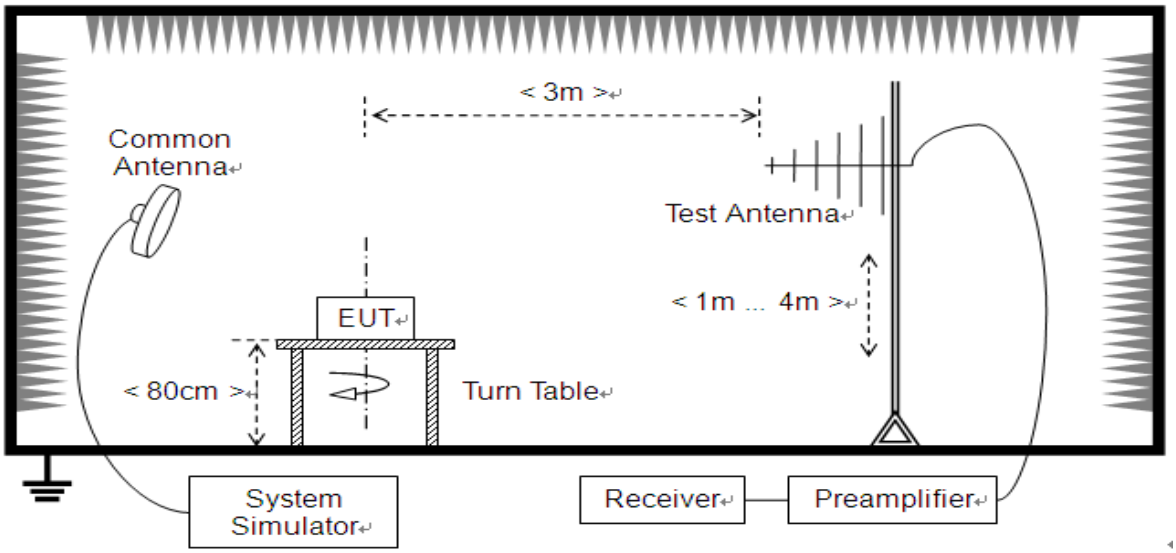
LTE Band 17							
Channel Bandwidth: 10MHz							
Channel	23780	RB Size 1	RB Offset 0	Channel	23780	RB Size 50	RB Offset 0
							
Channel Bandwidth: 10MHz							
Channel	23800	RB Size 1	RB Offset 49	Channel	23800	RB Size 50	RB Offset 0
							

2.7. Transmitter Radiated Power (EIRP/ERP)

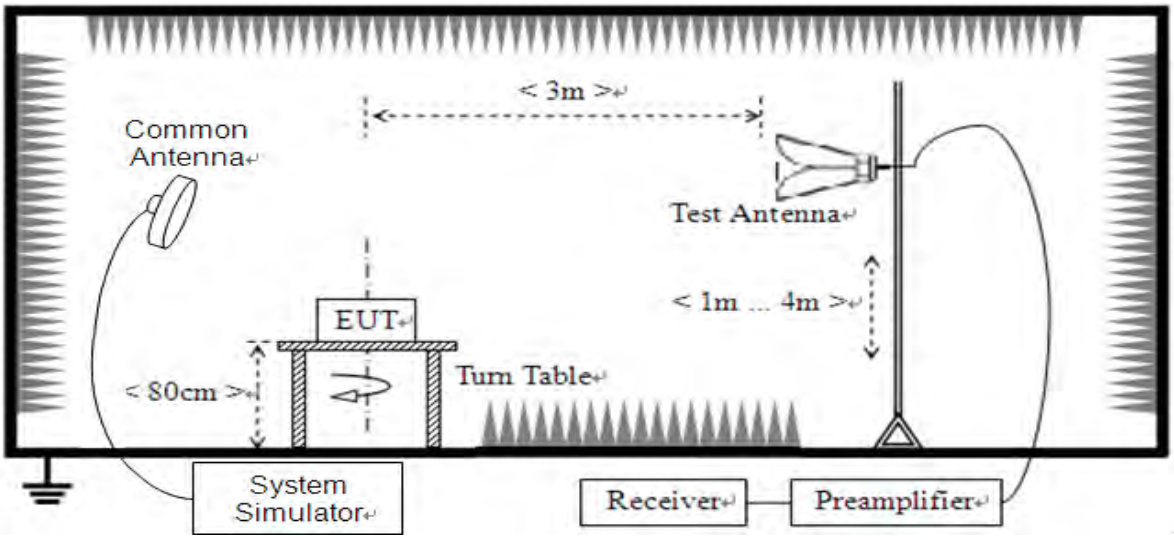
2.7.1. Requirement

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
According to FCC section 27.50 (d) for LTE Band 4, fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.
According to FCC section 27.50 (h) for LTE Band 7, Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.
According to FCC section 27.50 (c) for LTE Band 12/17, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

2.7.2. Test Description



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360°to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

2.7.3. Test procedure

KDB 971168 D01v03 Section 51&5.2 and ANSI/TIA-603-E-2016.

2.7.4. Test Result

The EUT was verified under all configurations (RB size and offset) and the worst case radiated power reported for each modulation/channel bandwidth.

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$A_{SUBST} = P_{SUBST\_TX} - P_{SUBST\_RX} - L_{SUBST\_CABLES} + G_{SUBST\_TX\_ANT}$

$A_{TOT} = L_{CABLES} + A_{SUBST}$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

P_{SUBST_TX} is signal generator level,

P_{SUBST_RX} is receiver level,

L_{SUBST_CABLES} is cable losses including TX cable,

$G_{SUBST\_TX\_ANT}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT}.

Note: Both horizontal and vertical polarizations of the test antenna are evaluated respectively, only the worst data (horizontal) were recorded in this report.