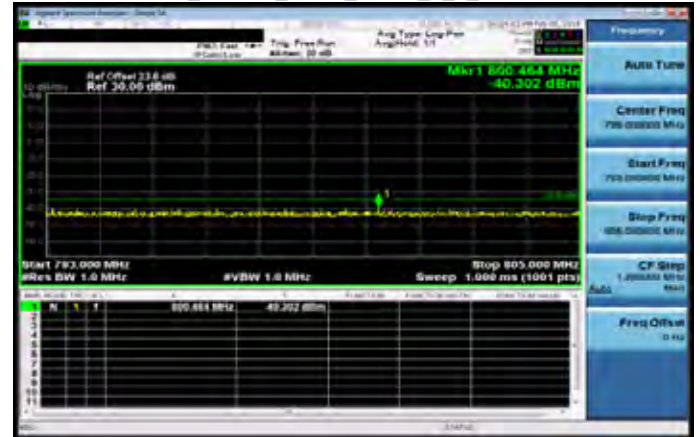


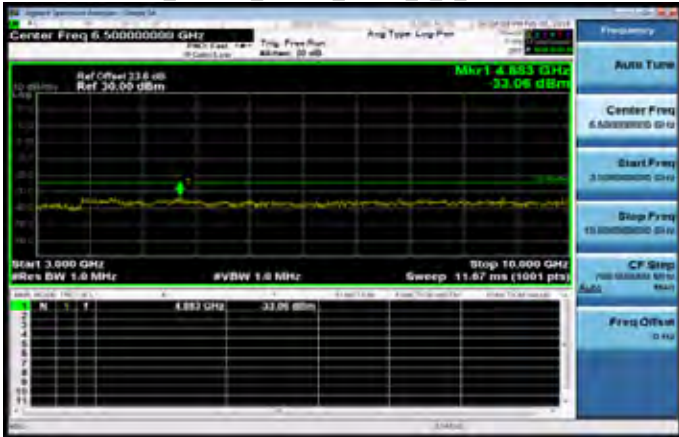
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793MHz-805MHz_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



3GHz-10GHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



763.3MHz-775MHz_Band13_5MHz_QPSK_1_0_MidCH23230-782



763.3MHz-775MHz_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



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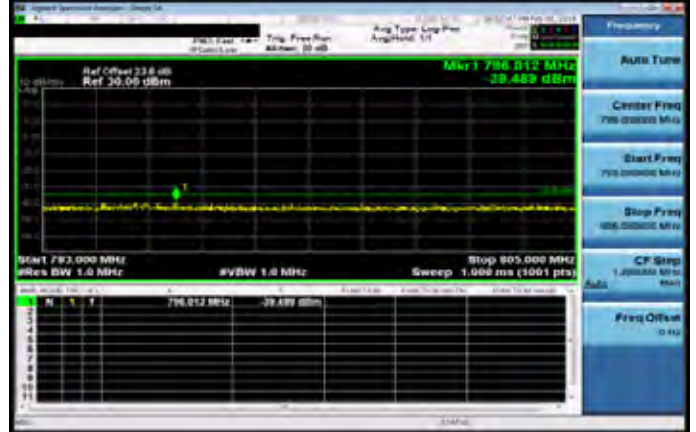
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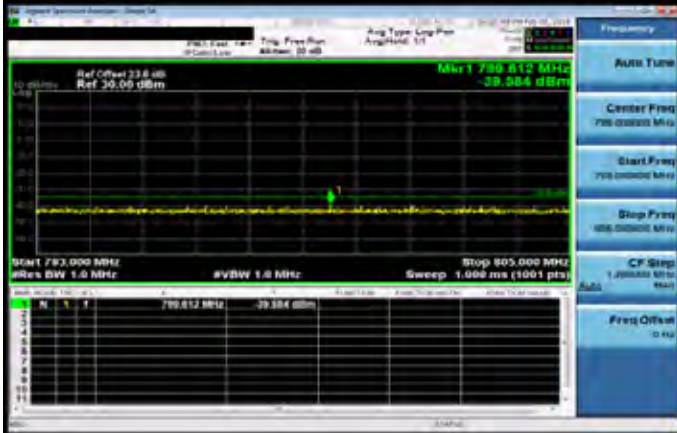
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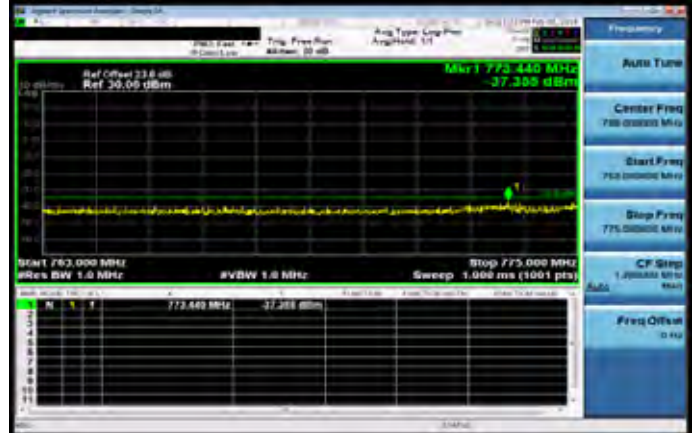
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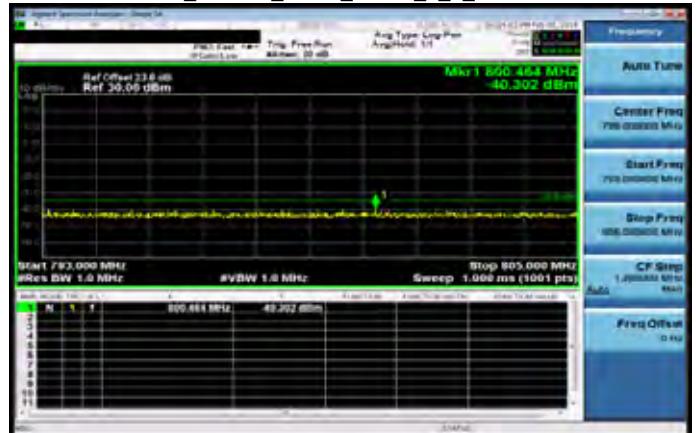
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763.3MHz~775MHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



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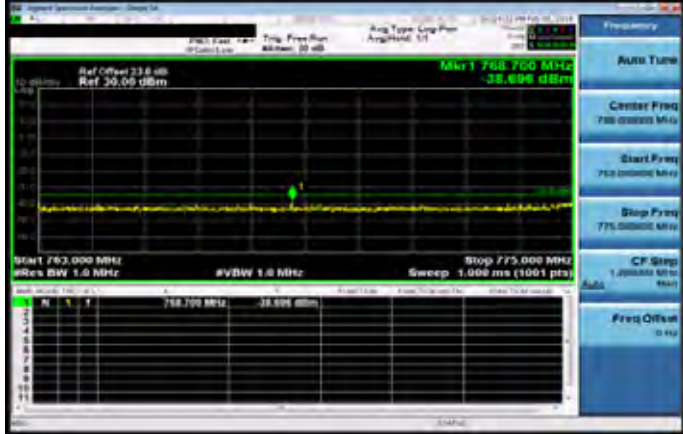


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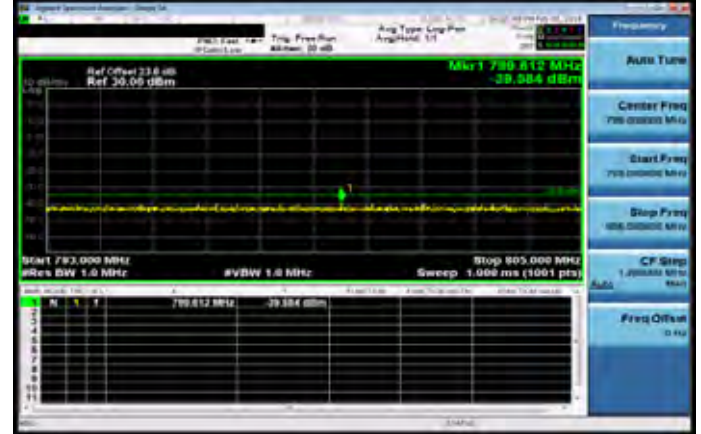
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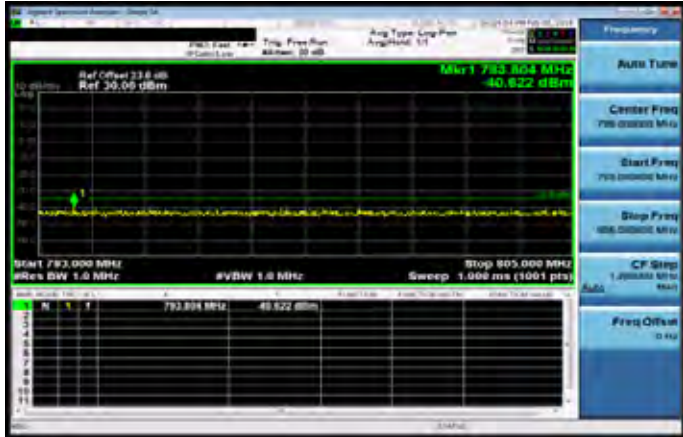
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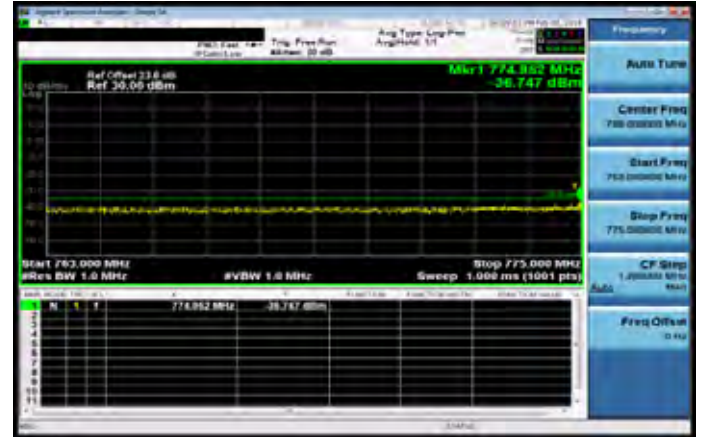
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793MHz-805MHz_Band13_5MHz_QPSK_1_0_MidCH23230-782



763.3MHz-775MHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



763.3MHz-775MHz_Band13_5MHz_QPSK_1_0_HighCH23255-784.5



793MHz-805MHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



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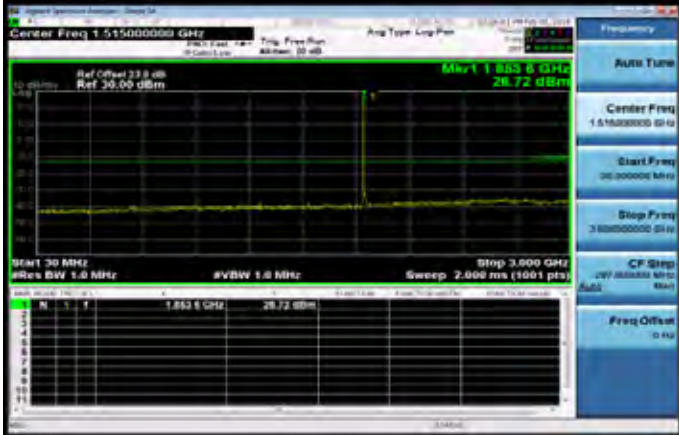
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30MHz-3GHz_Band25_1_4MHz_QPSK_1_0_LowCH26047-1850.7



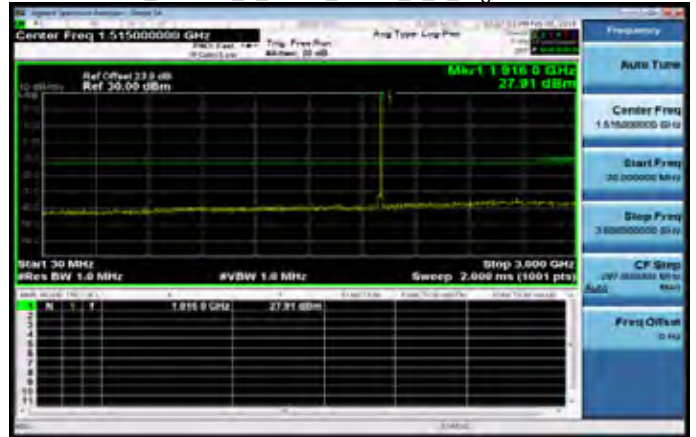
3GHz-10GHz_Band25_1_4MHz_QPSK_1_0_MidCH26365-1882.5



3GHz-10GHz_Band25_1_4MHz_QPSK_1_0_LowCH26047-1850.7



30MHz-3GHz_Band25_1_4MHz_QPSK_1_0_HighCH26683-1914.3



30MHz-3GHz_Band25_1_4MHz_QPSK_1_0_MidCH26365-1882.5



3GHz-10GHz_Band25_1_4MHz_QPSK_1_0_HighCH26683-1914.3



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30MHz~3GHz_Band25_3MHz_QPSK_1_0_LowCH26055-1851.5



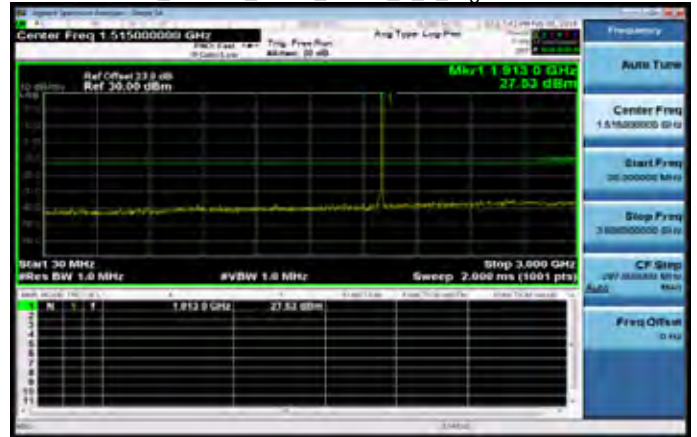
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3GHz~10GHz_Band25_3MHz_QPSK_1_0_LowCH26055-1851.5



30MHz~3GHz_Band25_3MHz_QPSK_1_0_HighCH26675-1913.5



30MHz~3GHz_Band25_3MHz_QPSK_1_0_MidCH26365-1882.5



3GHz~10GHz_Band25_3MHz_QPSK_1_0_HighCH26675-1913.5



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30MHz~3GHz_Band25_5MHz_QPSK_1_0_LowCH26065-1852.5



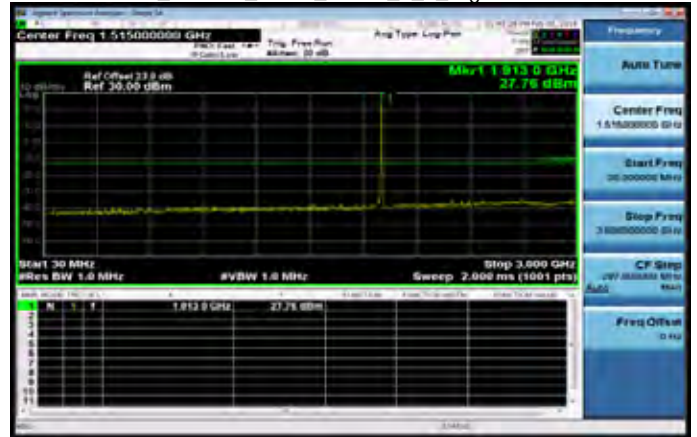
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3GHz~10GHz_Band25_5MHz_QPSK_1_0_LowCH26065-1852.5



30MHz~3GHz_Band25_5MHz_QPSK_1_0_HighCH26665-1912.5



30MHz~3GHz_Band25_5MHz_QPSK_1_0_MidCH26365-1882.5



3GHz~10GHz_Band25_5MHz_QPSK_1_0_HighCH26665-1912.5



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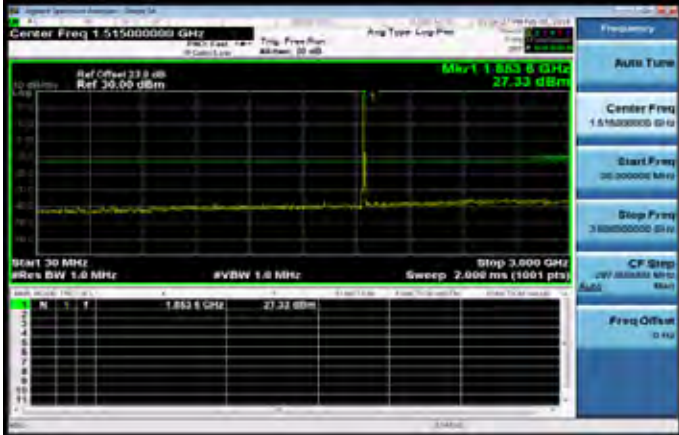
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30MHz-3GHz_Band25_10MHz_QPSK_1_0_LowCH26090-1855



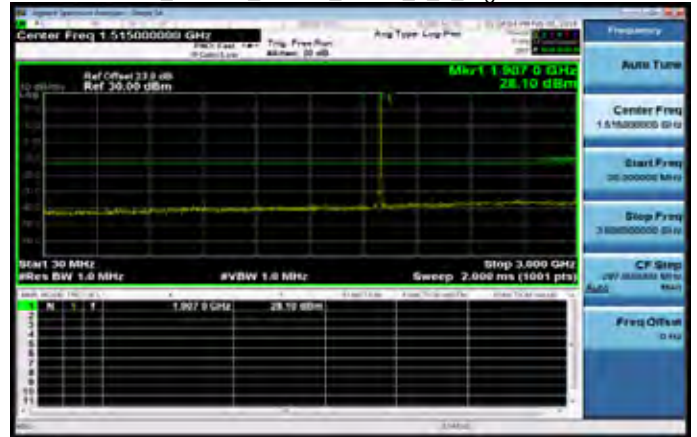
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30MHz-3GHz_Band25_10MHz_QPSK_1_0_HighCH26640-1910



30MHz-3GHz_Band25_10MHz_QPSK_1_0_MidCH26365-1882.5



3GHz-10GHz_Band25_10MHz_QPSK_1_0_HighCH26640-1910



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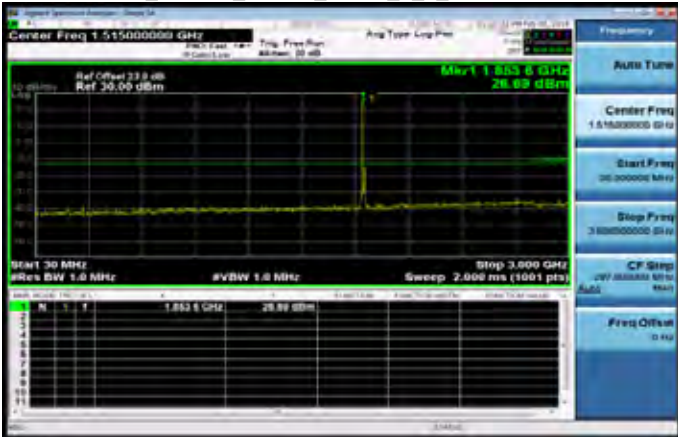
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30MHz~3GHz_Band25_15MHz_QPSK_1_0_LowCH26115-1857.5



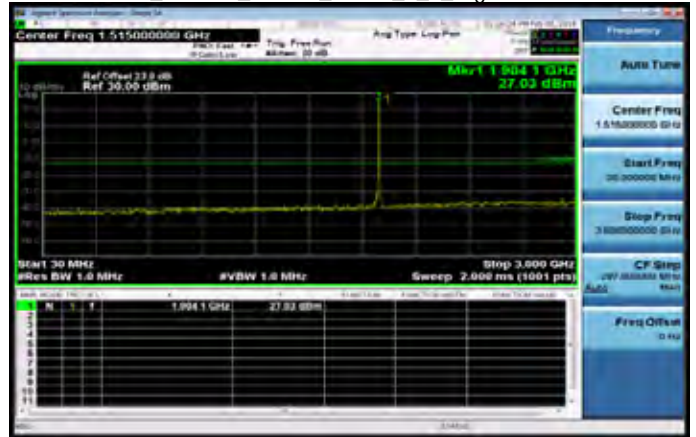
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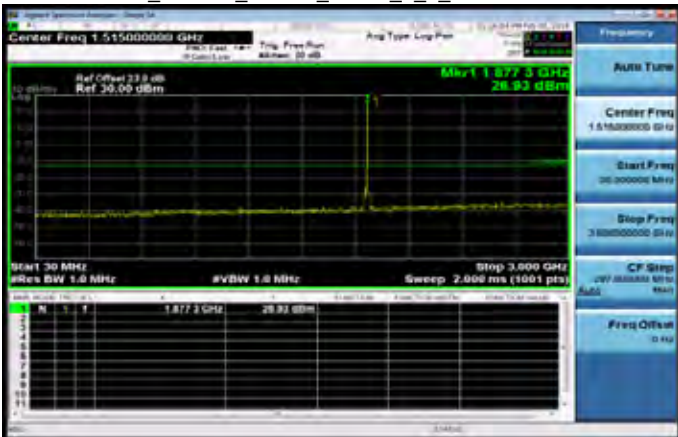
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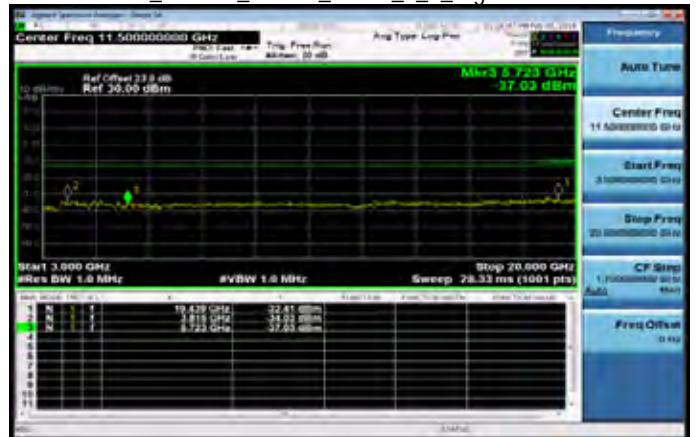
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30MHz~3GHz_Band25_15MHz_QPSK_1_0_MidCH26365-1882.5



3GHz~10GHz_Band25_15MHz_QPSK_1_0_HighCH26615-1907.5



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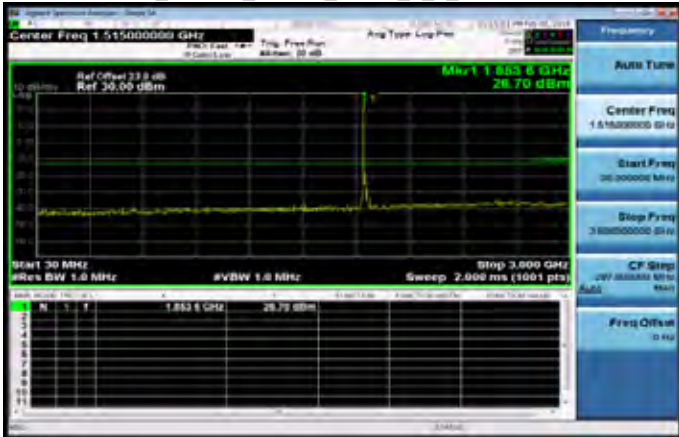
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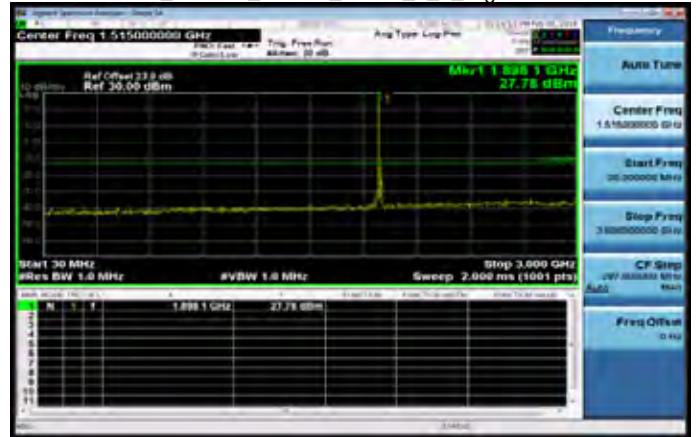
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3GHz-10GHz_Band25_20MHz_QPSK_1_0_LowCH26140-1860



30MHz-3GHz_Band25_20MHz_QPSK_1_0_HighCH26590-1905



30MHz-3GHz_Band25_20MHz_QPSK_1_0_MidCH26365-1882.5



3GHz-10GHz_Band25_20MHz_QPSK_1_0_HighCH26590-1905



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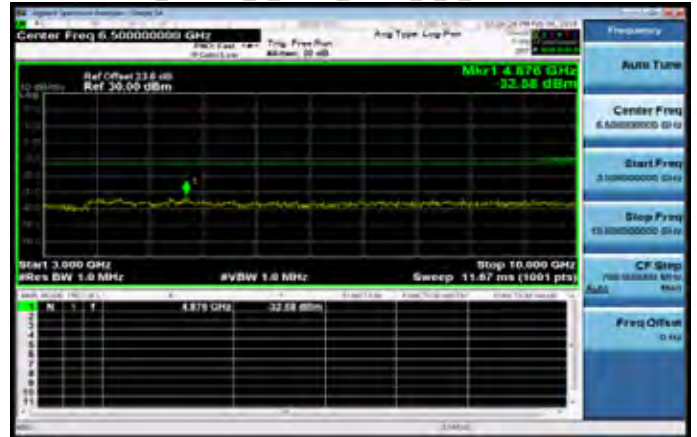
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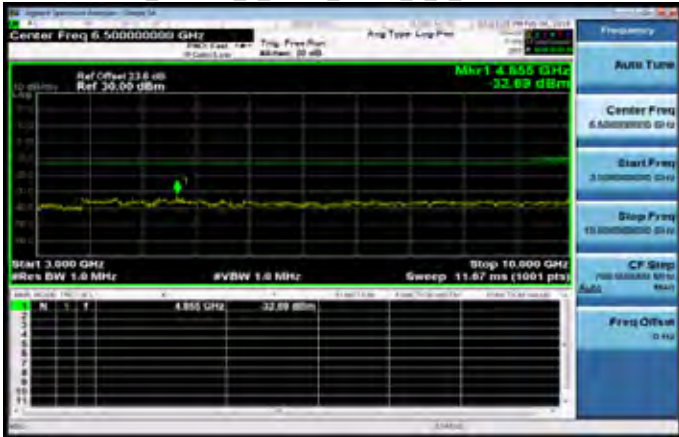
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3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_MidCH26865-831.5



3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_LowCH26697-814.7



30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_HighCH27033-848.3



30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_MidCH26865-831.5



3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_HighCH27033-848.3



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30MHz-3GHz_Band26_3MHz_QPSK_1_0_LowCH26705-815.5



3GHz-10GHz_Band26_3MHz_QPSK_1_0_MidCH26865-831.5



3GHz-10GHz_Band26_3MHz_QPSK_1_0_LowCH26705-815.5



30MHz-3GHz_Band26_3MHz_QPSK_1_0_HighCH27025-847.5



30MHz-3GHz_Band26_3MHz_QPSK_1_0_MidCH26865-831.5



3GHz-10GHz_Band26_3MHz_QPSK_1_0_HighCH27025-847.5



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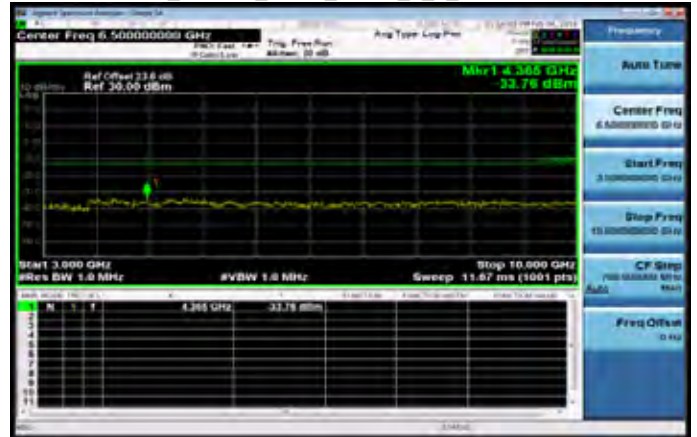
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30MHz-3GHz_Band26_5MHz_QPSK_1_0_LowCH26715-816.5



3GHz-10GHz_Band26_5MHz_QPSK_1_0_MidCH26865-831.5



3GHz-10GHz_Band26_5MHz_QPSK_1_0_LowCH26715-816.5



30MHz-3GHz_Band26_5MHz_QPSK_1_0_HighCH27015-846.5



30MHz-3GHz_Band26_5MHz_QPSK_1_0_MidCH26865-831.5



3GHz-10GHz_Band26_5MHz_QPSK_1_0_HighCH27015-846.5



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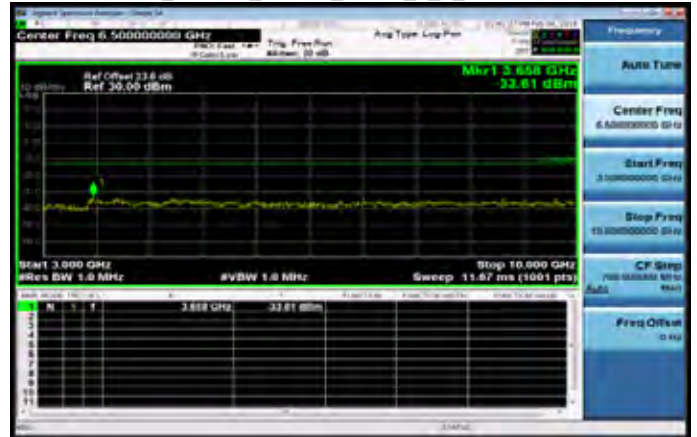
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30MHz-3GHz_Band26_10MHz_QPSK_1_0_LowCH26750-820



3GHz-10GHz_Band26_10MHz_QPSK_1_0_MidCH26865-831.5



3GHz-10GHz_Band26_10MHz_QPSK_1_0_LowCH26750-820



30MHz-3GHz_Band26_10MHz_QPSK_1_0_HighCH26990-844



30MHz-3GHz_Band26_10MHz_QPSK_1_0_MidCH26865-831.5



3GHz-10GHz_Band26_10MHz_QPSK_1_0_HighCH26990-844



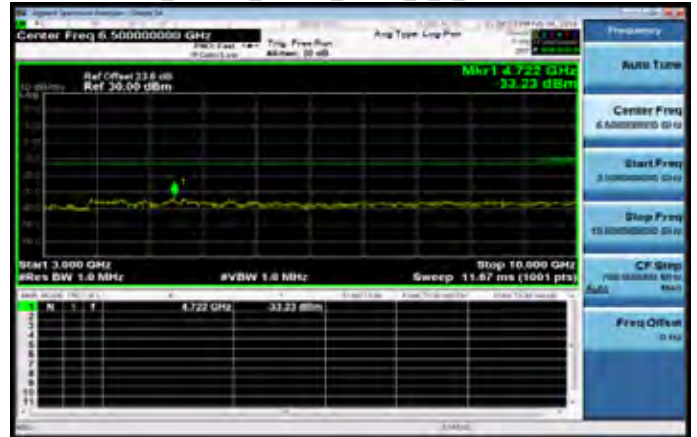
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30MHz~3GHz_Band26_15MHz_QPSK_1_0_LowCH26775



3GHz~10GHz_Band26_15MHz_QPSK_1_0_MidCH26865-831.5



3GHz~10GHz_Band26_15MHz_QPSK_1_0_LowCH26775



30MHz~3GHz_Band26_15MHz_QPSK_1_0_HighCH26965-841.5



30MHz~3GHz_Band26_15MHz_QPSK_1_0_MidCH26865-831.5



3GHz~10GHz_Band26_15MHz_QPSK_1_0_HighCH26965-841.5



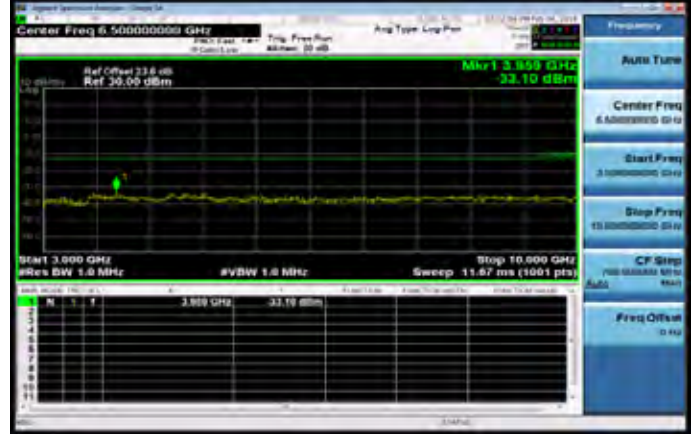
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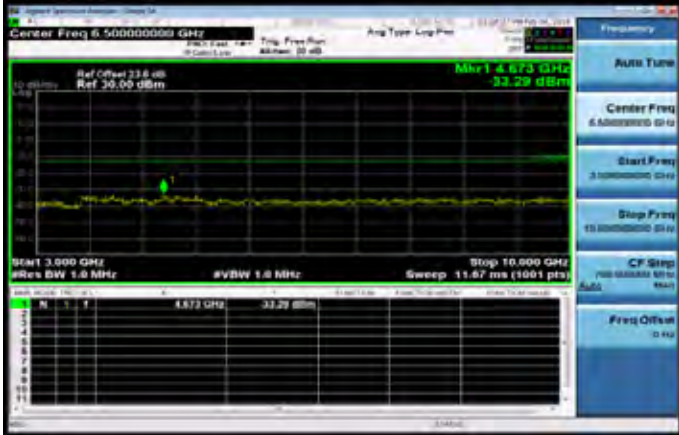
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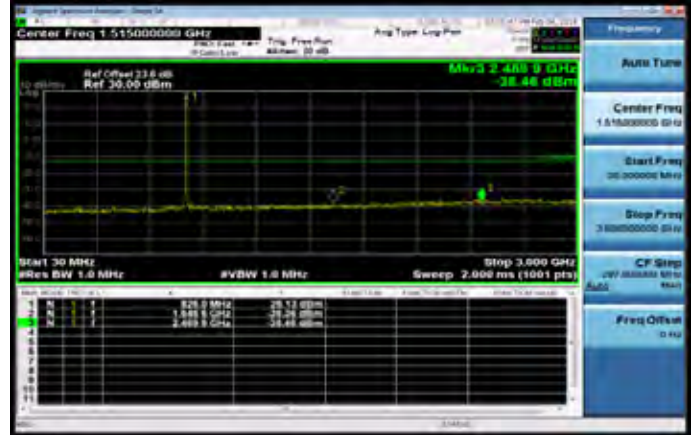
Part 90_3GHz-10GHz_Band26_1_4MHz_QPSK_1_0_MidCH26740



Part 90_3GHz-10GHz_Band26_1_4MHz_QPSK_1_0_LowCH26697



Part 90_30MHz-3GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783



Part 90_30MHz-3GHz_Band26_1_4MHz_QPSK_1_0_MidCH26740



Part 90_3GHz-10GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783



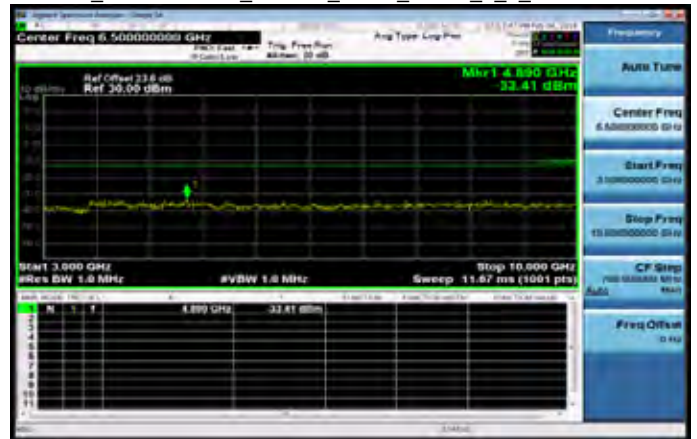
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Part 90_30MHz~3GHz_Band26_3MHz_QPSK_1_0_LowCH26705



Part 90_3GHz~10GHz_Band26_3MHz_QPSK_1_0_MidCH26740



Part 90_3GHz~10GHz_Band26_3MHz_QPSK_1_0_LowCH26705



Part 90_30MHz~3GHz_Band26_3MHz_QPSK_1_0_HighCH26775



Part 90_30MHz~3GHz_Band26_3MHz_QPSK_1_0_MidCH26740



Part 90_3GHz~10GHz_Band26_3MHz_QPSK_1_0_HighCH26775



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Part 90_30MHz-3GHz_Band26_5MHz_QPSK_1_0_LowCH26715-816.5



Part 90_3GHz-10GHz_Band26_5MHz_QPSK_1_0_MidCH26740



Part 90_3GHz-10GHz_Band26_5MHz_QPSK_1_0_LowCH26715-816.5



Part 90_30MHz-3GHz_Band26_5MHz_QPSK_1_0_HighCH26765



Part 90_30MHz-3GHz_Band26_5MHz_QPSK_1_0_MidCH26740



Part 90_3GHz-10GHz_Band26_5MHz_QPSK_1_0_HighCH26765



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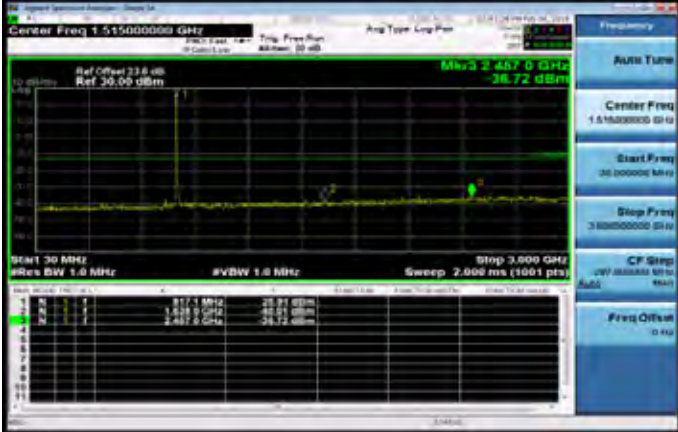
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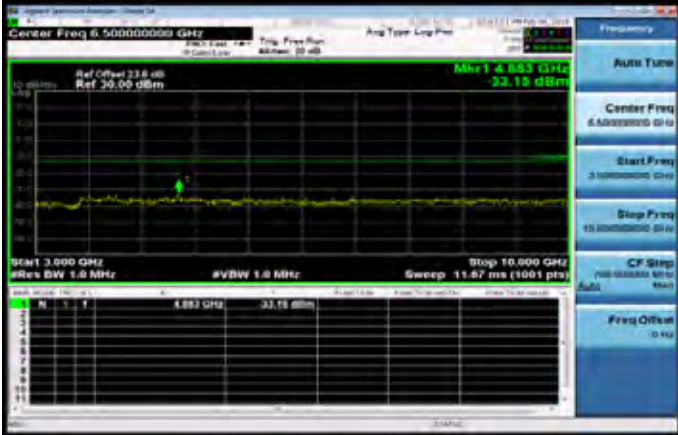
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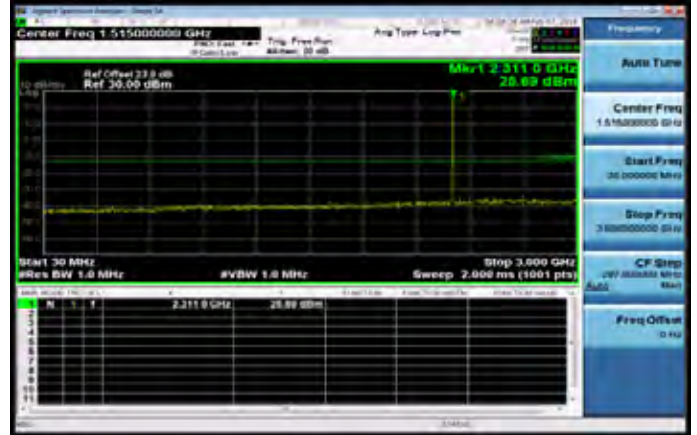
3GHz-10GHz_Band30_5MHz_QPSK_1_0_LowCH27685



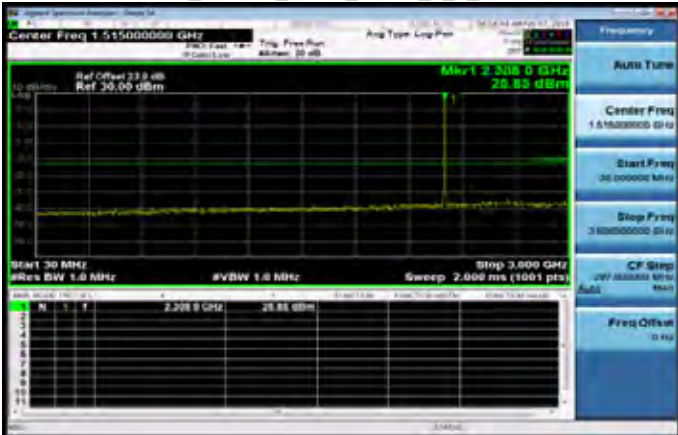
Part 90_3GHz-10GHz_Band26_10MHz_QPSK_1_0_MidCH26740



30MHz-3GHz_Band30_5MHz_QPSK_1_0_MidCH27710



30MHz-3GHz_Band30_5MHz_QPSK_1_0_LowCH27685



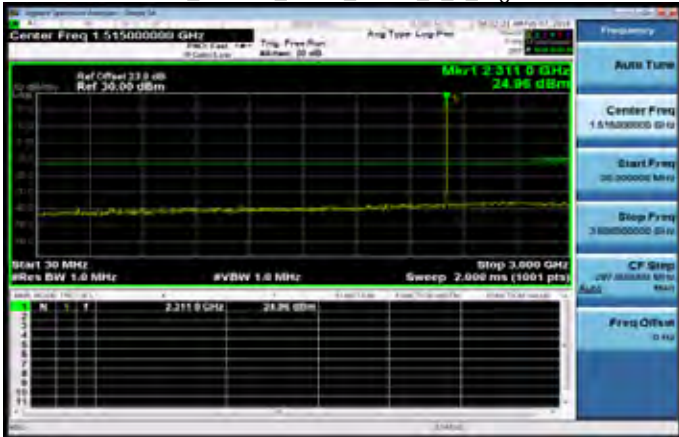
3GHz-10GHz_Band30_5MHz_QPSK_1_0_MidCH27710



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30MHz~3GHz_Band30_5MHz_QPSK_1_0_HighCH27735



3GHz~10GHz_Band30_10MHz_QPSK_1_0_Mid27710



3GHz~10GHz_Band30_5MHz_QPSK_1_0_HighCH27735



30MHz~3GHz_Band41_5MHz_QPSK_1_0_LowCH39675



30MHz~3GHz_Band30_10MHz_QPSK_1_0_Mid27710



3GHz~10GHz_Band41_5MHz_QPSK_1_0_LowCH39675



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3GHz~10GHz_Band41_5MHz_QPSK_1_0_HighCH41565



3GHz~10GHz_Band41_5MHz_QPSK_1_0_MidCH40620



30MHz~3GHz_Band41_10MHz_QPSK_1_0_LowCH39700



30MHz~3GHz_Band41_5MHz_QPSK_1_0_HighCH41565



3GHz~10GHz_Band41_10MHz_QPSK_1_0_LowCH39700



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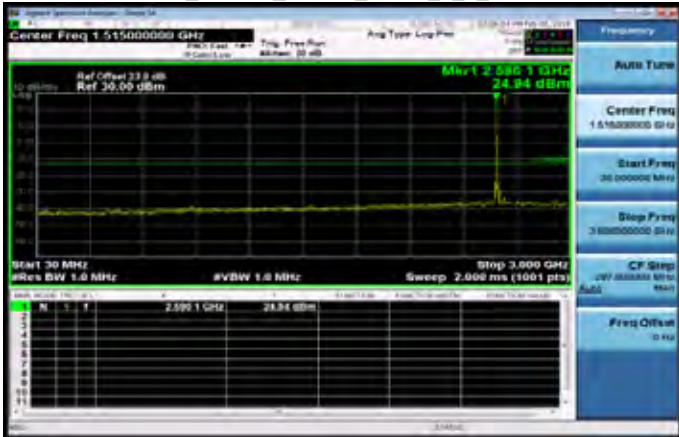
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30MHz-3GHz_Band41_10MHz_QPSK_1_0_MidCH40620



3GHz-10GHz_Band41_10MHz_QPSK_1_0_HighCH41540



3GHz-10GHz_Band41_10MHz_QPSK_1_0_MidCH40620



30MHz-3GHz_Band41_15MHz_QPSK_1_0_LowCH39725



30MHz-3GHz_Band41_10MHz_QPSK_1_0_HighCH41540



3GHz-10GHz_Band41_15MHz_QPSK_1_0_LowCH39725



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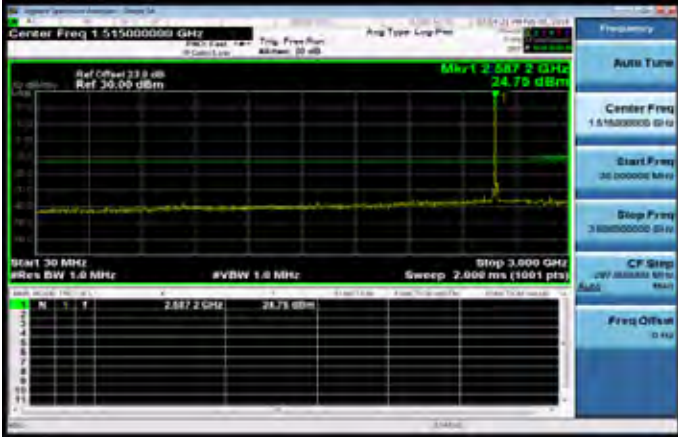
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30MHz-3GHz_Band41_15MHz_QPSK_1_0_MidCH40620



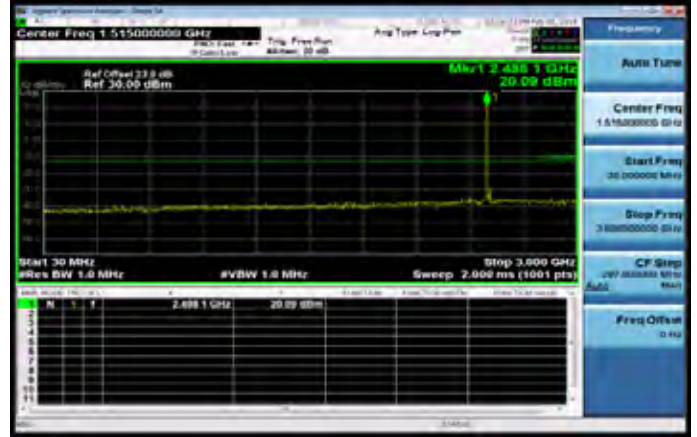
3GHz-10GHz_Band41_15MHz_QPSK_1_0_HighCH41515



3GHz-10GHz_Band41_15MHz_QPSK_1_0_MidCH40620



30MHz-3GHz_Band41_20MHz_QPSK_1_0_LowCH39750



30MHz-3GHz_Band41_15MHz_QPSK_1_0_HighCH41515



3GHz-10GHz_Band41_20MHz_QPSK_1_0_LowCH39750



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30MHz-3GHz_Band41_20MHz_QPSK_1_0_MidCH40620



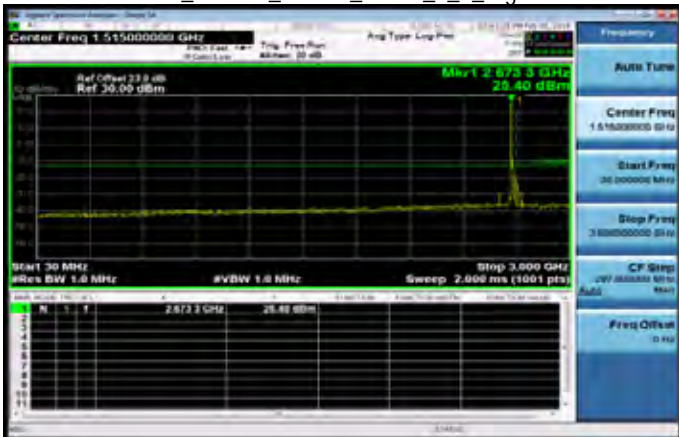
3GHz-10GHz_Band41_20MHz_QPSK_1_0_HighCH41490



3GHz-10GHz_Band41_20MHz_QPSK_1_0_MidCH40620



30MHz-3GHz_Band41_20MHz_QPSK_1_0_HighCH41490



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10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1. Standard Applicable

According to FCC §2.1053,

FCC §22.917(a) , §24.238(a) , §27.53 (h) , the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

§27.53 (c)

(2) On any frequency outside the 776– 788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log$ (P) dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log$ (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

§27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g)

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.

FCC §27.53(h) (3)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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FCC §27.53(m) (4) (6)

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 than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB on 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.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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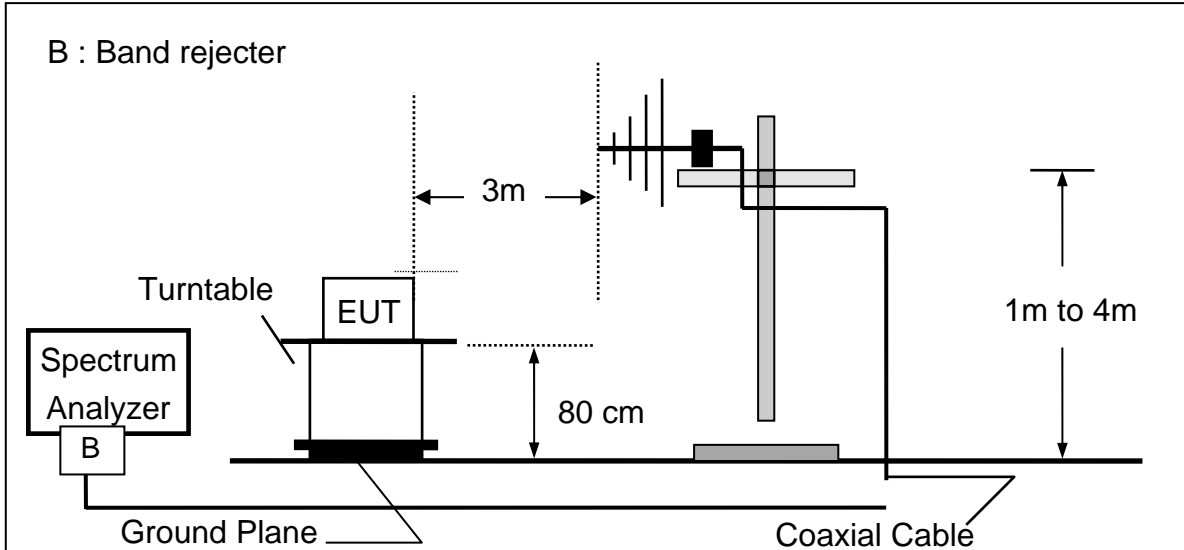
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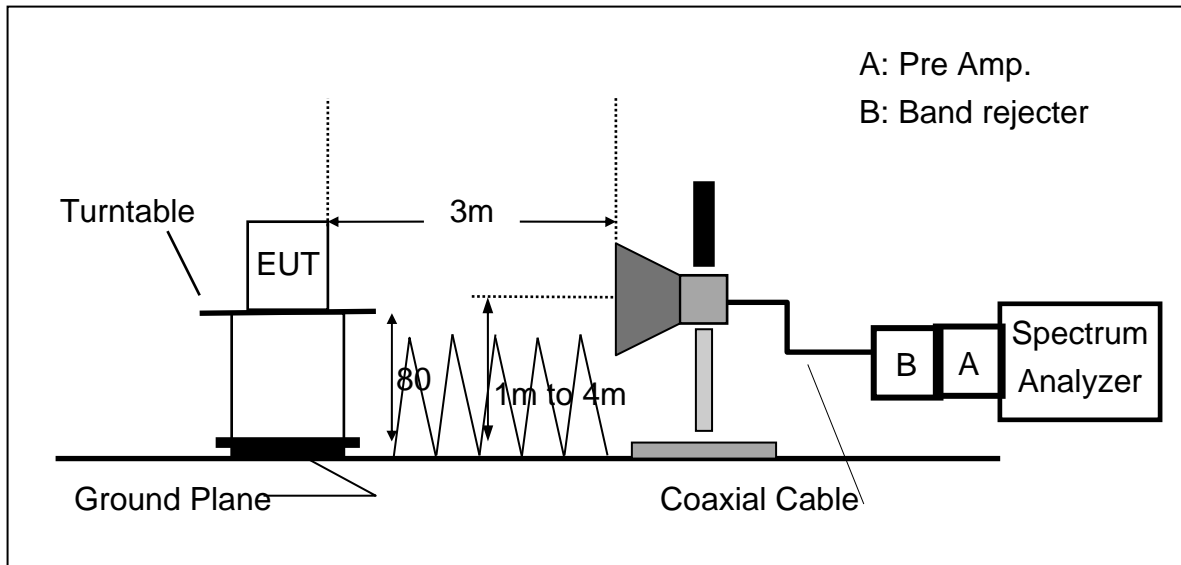
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10.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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10.3. Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$$\text{ERP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBd)} + \text{Cable Loss(dB)}$$

$$\text{EIRP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBi)} + \text{Cable Loss(dB)}$$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
“---” : denotes Noise Floor.

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10.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2017	11/02/2018
Broadband Antenna	TESEQ	CBL 6112D	35243	11/09/2017	11/08/2018
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2017	12/16/2018
Horn Antenna	ETS-Lindgren	3117	143279	11/14/2017	11/13/2018
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2017	12/10/2018
Horn Antenna	Schwarzbeck	BBHA9170	185	08/01/2017	07/31/2018
Pre Amplifier	EMC Instruments	EMC330	980096	12/24/2017	12/23/2018
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/24/2017	12/23/2018
Pre Amplifier	R&S	SCU-18	10204	12/24/2017	12/23/2018
Pre Amplifier	R&S	SCU-26	100780	12/24/2017	12/23/2018
Pre Amplifier	EMC Instruments	EMC184045B	980135	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF27	12/24/2017	12/23/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

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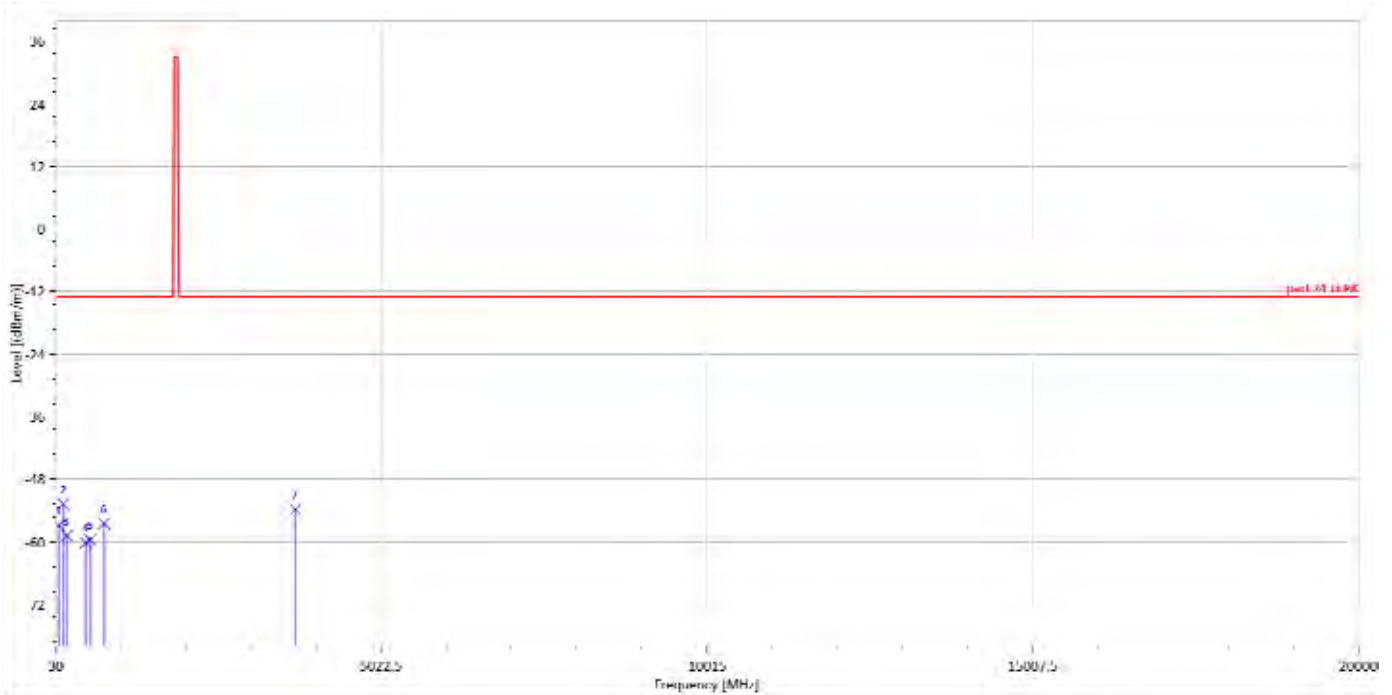
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10.5. Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Operation Mode :	WCDMA B2	Test Date :	2018/2/5
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
80.44	S	-56.82	-53.89	-1.71	-1.22	-13.01	-43.81
149.31	S	-52.76	-51.23	0.18	-1.71	-13.01	-39.75
202.66	S	-58.79	-60.63	3.84	-2.00	-13.01	-45.78
493.66	S	-60.17	-60.95	3.99	-3.20	-13.01	-47.16
562.53	S	-59.64	-60.26	4.06	-3.44	-13.01	-46.63
775.93	S	-56.47	-57.63	5.19	-4.03	-13.01	-43.46
3704.80	H	-53.81	-57.33	12.42	-8.90	-13.01	-40.80

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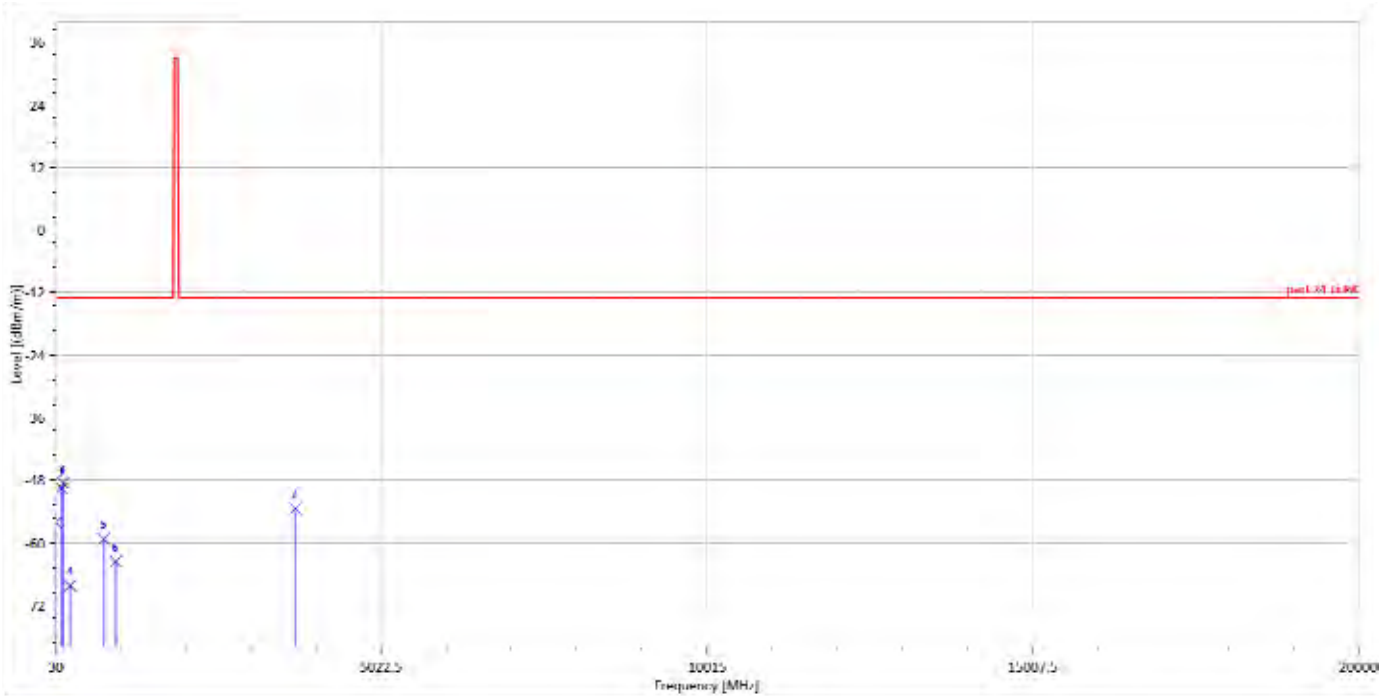
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Operation Mode : WCDMA B2 Test Date : 2018/2/5
 Fundamental Frequency : 1852.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH LOW Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.12	-34.48	-20.82	-0.83	-13.01	-43.11
123.12	S	-49.54	-45.00	-3.01	-1.53	-13.01	-36.53
147.37	S	-48.55	-46.74	-0.11	-1.69	-13.01	-35.54
255.04	S	-68.20	-68.37	2.44	-2.28	-13.01	-55.19
773.02	S	-59.29	-60.45	5.19	-4.02	-13.01	-46.28
954.41	S	-63.61	-64.50	5.42	-4.53	-13.01	-50.60
3704.80	H	-53.43	-56.95	12.42	-8.90	-13.01	-40.42

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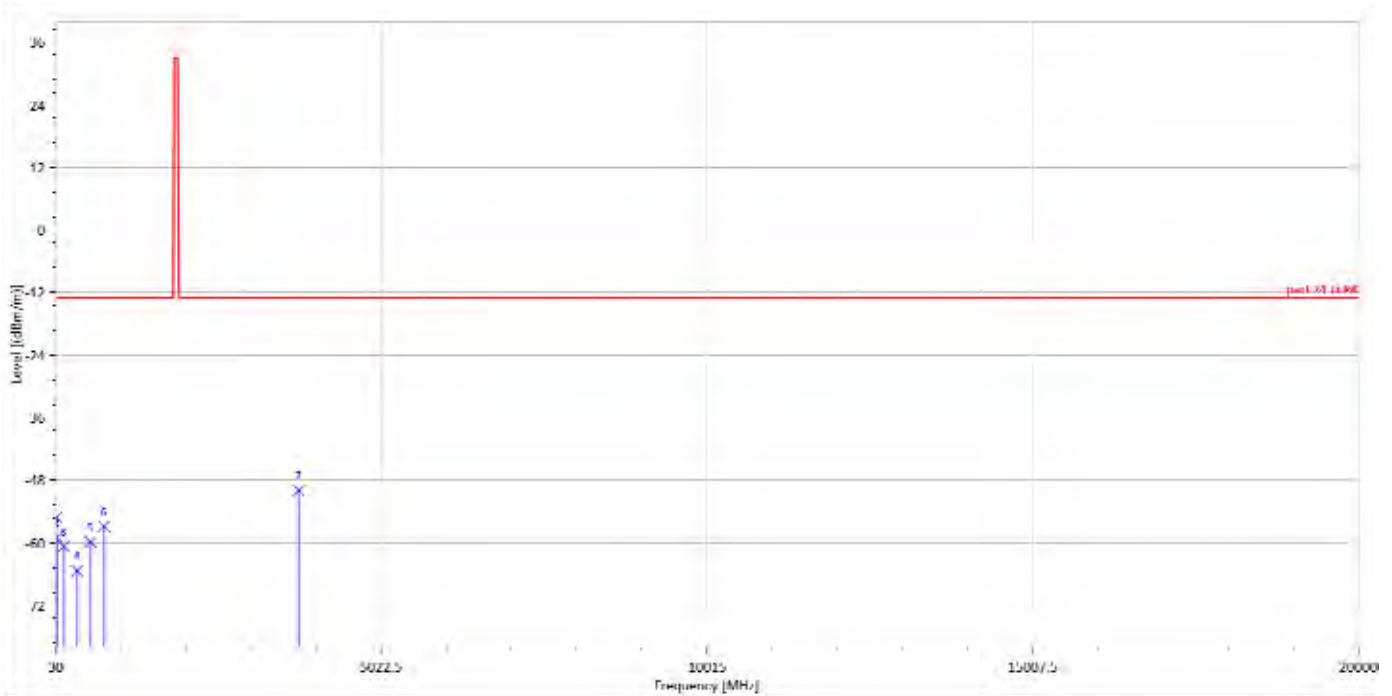
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Operation Mode : WCDMA B2 Test Date : 2018/2/5
 Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
43.58	S	-55.07	-42.82	-11.36	-0.89	-13.01	-42.06
54.25	S	-58.93	-52.47	-5.47	-0.99	-13.01	-45.92
156.10	S	-60.69	-59.87	0.93	-1.75	-13.01	-47.68
360.77	S	-65.39	-66.06	3.39	-2.71	-13.01	-52.38
562.53	S	-59.85	-60.47	4.06	-3.44	-13.01	-46.84
773.02	S	-56.83	-58.00	5.19	-4.02	-13.01	-43.82
3760.00	H	-49.95	-53.47	12.46	-8.94	-13.01	-36.94

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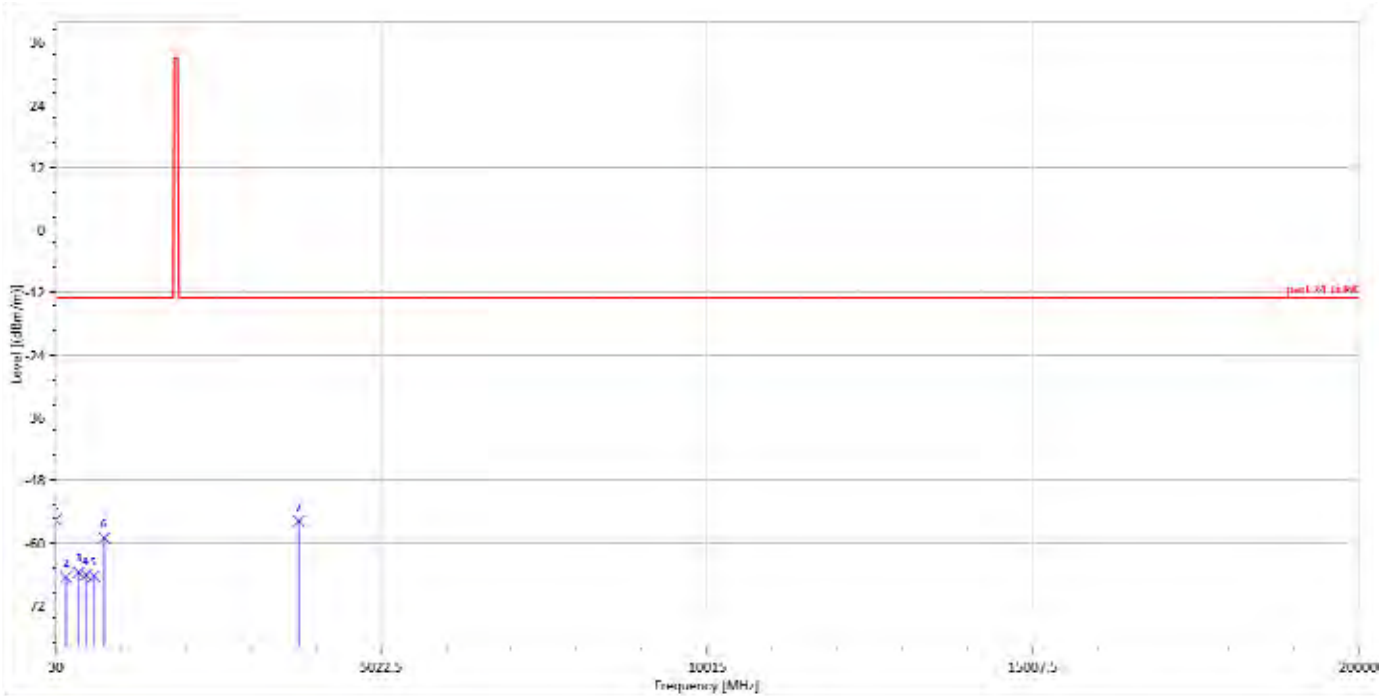
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Operation Mode : WCDMA B2 Test Date : 2018/2/5
 Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-55.60	-33.95	-20.82	-0.83	-13.01	-42.59
191.99	S	-66.62	-68.73	4.07	-1.95	-13.01	-53.61
384.05	S	-65.70	-66.18	3.28	-2.81	-13.01	-52.69
499.48	S	-66.14	-66.95	4.04	-3.23	-13.01	-53.13
617.82	S	-66.39	-67.19	4.43	-3.62	-13.01	-53.38
775.93	S	-59.04	-60.19	5.19	-4.03	-13.01	-46.03
3760.00	H	-55.84	-59.35	12.46	-8.94	-13.01	-42.83

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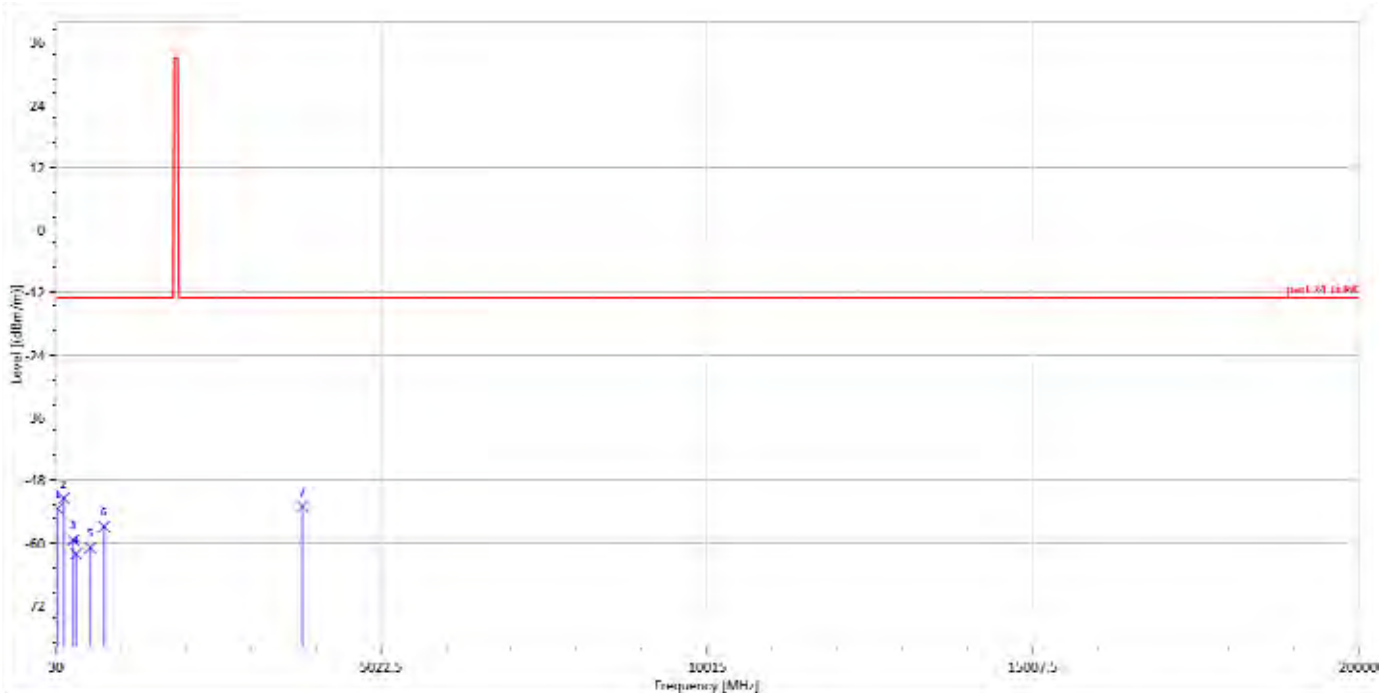
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Operation Mode : WCDMA B2 Test Date : 2018/2/5
 Fundamental Frequency : 1907.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
62.98	S	-53.42	-49.53	-2.81	-1.08	-13.01	-40.41
156.10	S	-51.46	-50.64	0.93	-1.75	-13.01	-38.45
298.69	S	-59.48	-60.51	3.49	-2.45	-13.01	-46.47
346.22	S	-62.12	-62.90	3.44	-2.66	-13.01	-49.11
562.53	S	-60.92	-61.54	4.06	-3.44	-13.01	-47.91
773.99	S	-56.89	-58.05	5.19	-4.03	-13.01	-43.88
3815.20	H	-52.98	-56.49	12.49	-8.98	-13.01	-39.97

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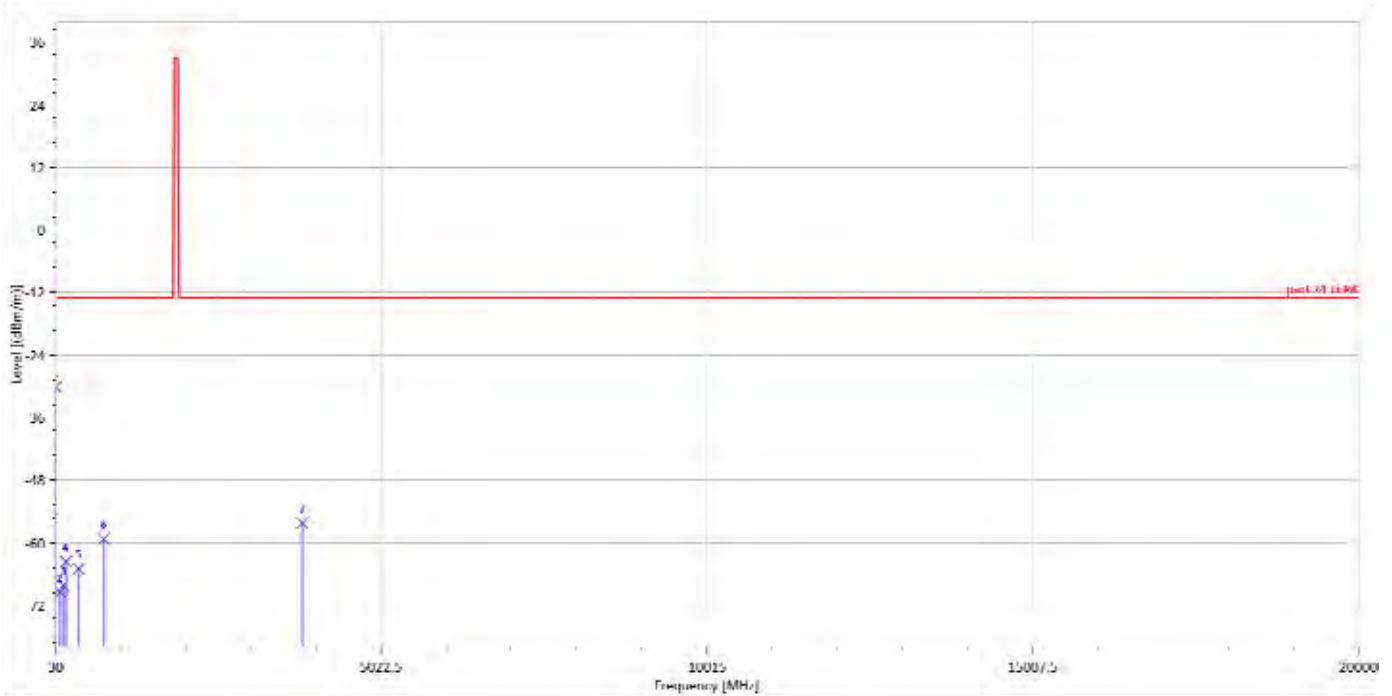
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Operation Mode : WCDMA B2 Test Date : 2018/2/5
 Fundamental Frequency : 1907.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-30.11	-8.47	-20.82	-0.83	-13.01	-17.10
96.93	S	-69.46	-65.10	-3.01	-1.36	-13.01	-56.45
148.34	S	-68.19	-66.52	0.03	-1.70	-13.01	-55.18
191.02	S	-63.62	-65.77	4.10	-1.95	-13.01	-50.61
384.05	S	-65.01	-65.48	3.28	-2.81	-13.01	-52.00
772.05	S	-59.28	-60.44	5.19	-4.02	-13.01	-46.27
3815.20	H	-56.25	-59.75	12.49	-8.98	-13.01	-43.24

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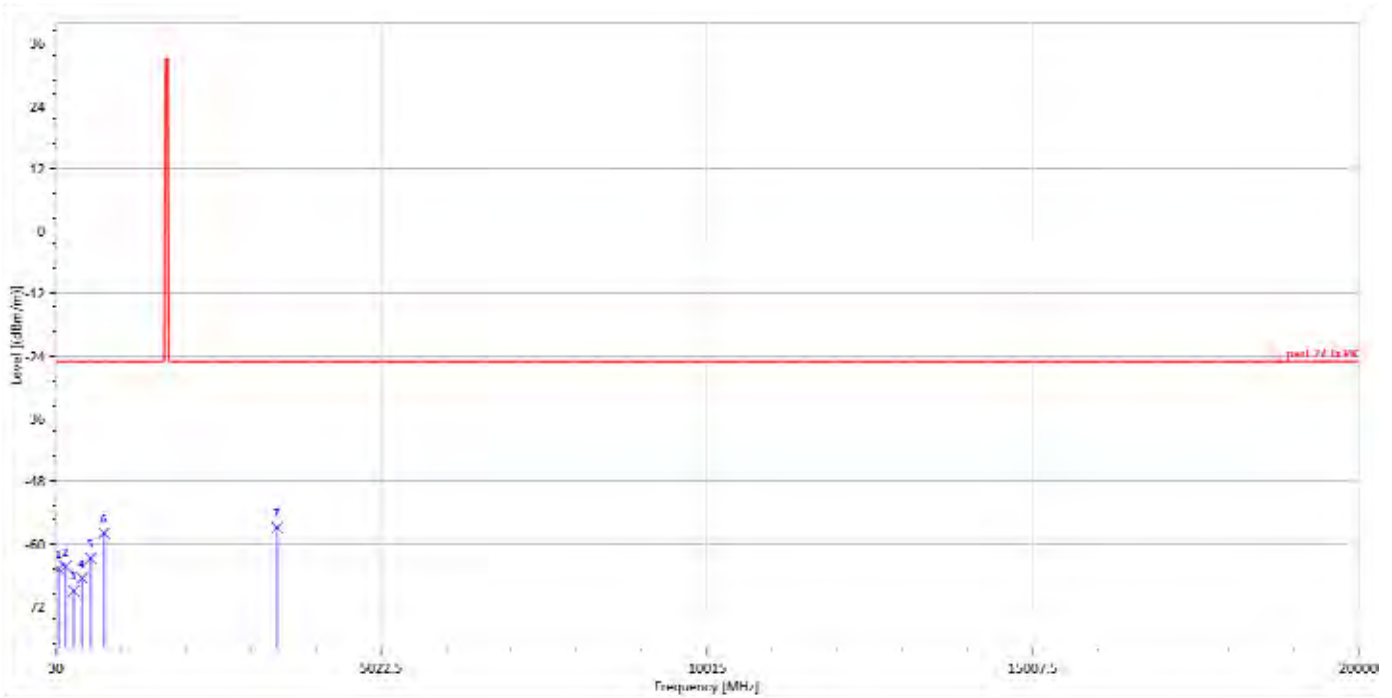
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Radiated Spurious Emission Measurement Result: WCDMA Band 4 Mode

Operation Mode :	WCDMA B4	Test Date :	2018/2/5
Fundamental Frequency :	1712.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
78.50	S	-64.78	-61.86	-1.72	-1.21	-25	-39.78
184.23	S	-64.37	-66.33	3.87	-1.91	-25	-39.37
309.36	S	-69.03	-70.01	3.49	-2.51	-25	-44.03
437.40	S	-66.59	-67.10	3.51	-3.00	-25	-41.59
568.35	S	-62.78	-63.42	4.10	-3.46	-25	-37.78
773.99	S	-57.93	-59.09	5.19	-4.03	-25	-32.93
3424.80	H	-56.91	-60.36	12.15	-8.70	-25	-31.91

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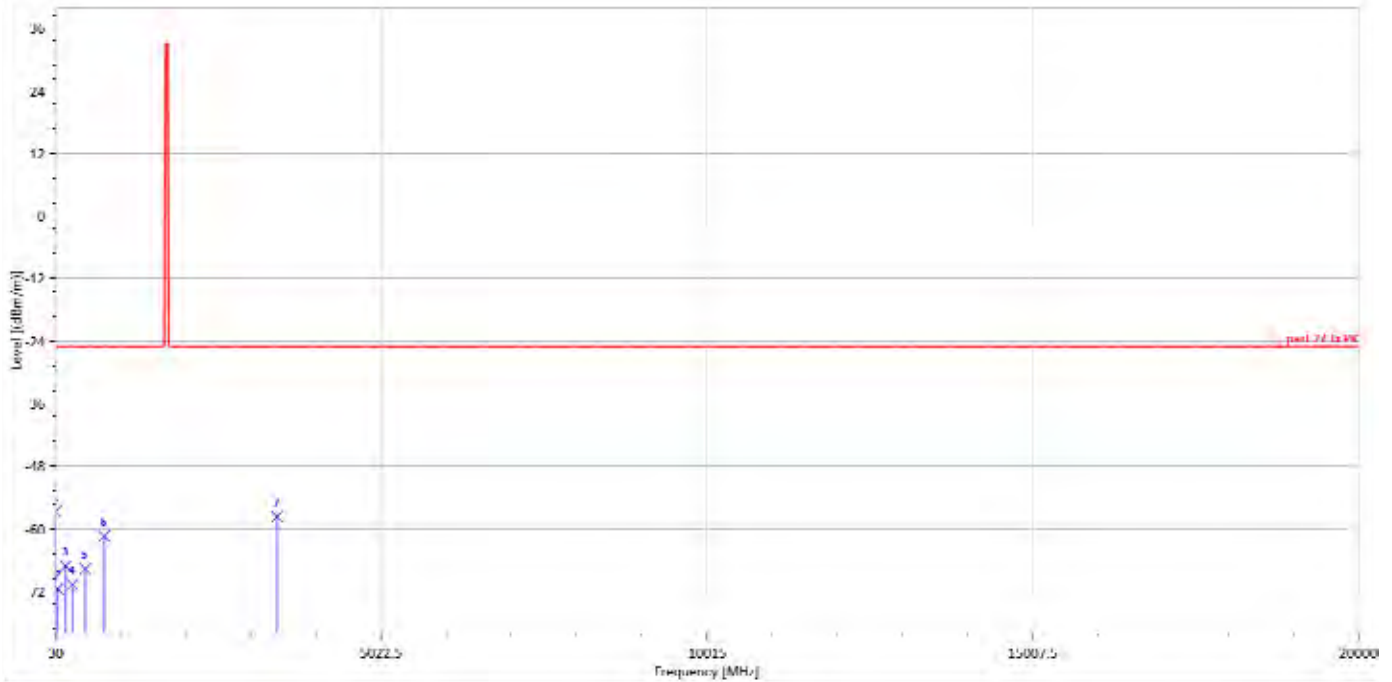
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Operation Mode : WCDMA B4 Test Date : 2018/2/5
 Fundamental Frequency : 1712.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH LOW Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
31.94	S	-56.66	-35.01	-20.82	-0.83	-25	-31.66
62.98	S	-71.53	-67.65	-2.81	-1.08	-25	-46.53
184.23	S	-67.16	-69.12	3.87	-1.91	-25	-42.16
288.02	S	-70.71	-71.68	3.39	-2.41	-25	-45.71
483.96	S	-67.68	-68.42	3.91	-3.17	-25	-42.68
775.93	S	-61.42	-62.58	5.19	-4.03	-25	-36.42
3424.80	H	-57.68	-61.13	12.15	-8.70	-25	-32.68

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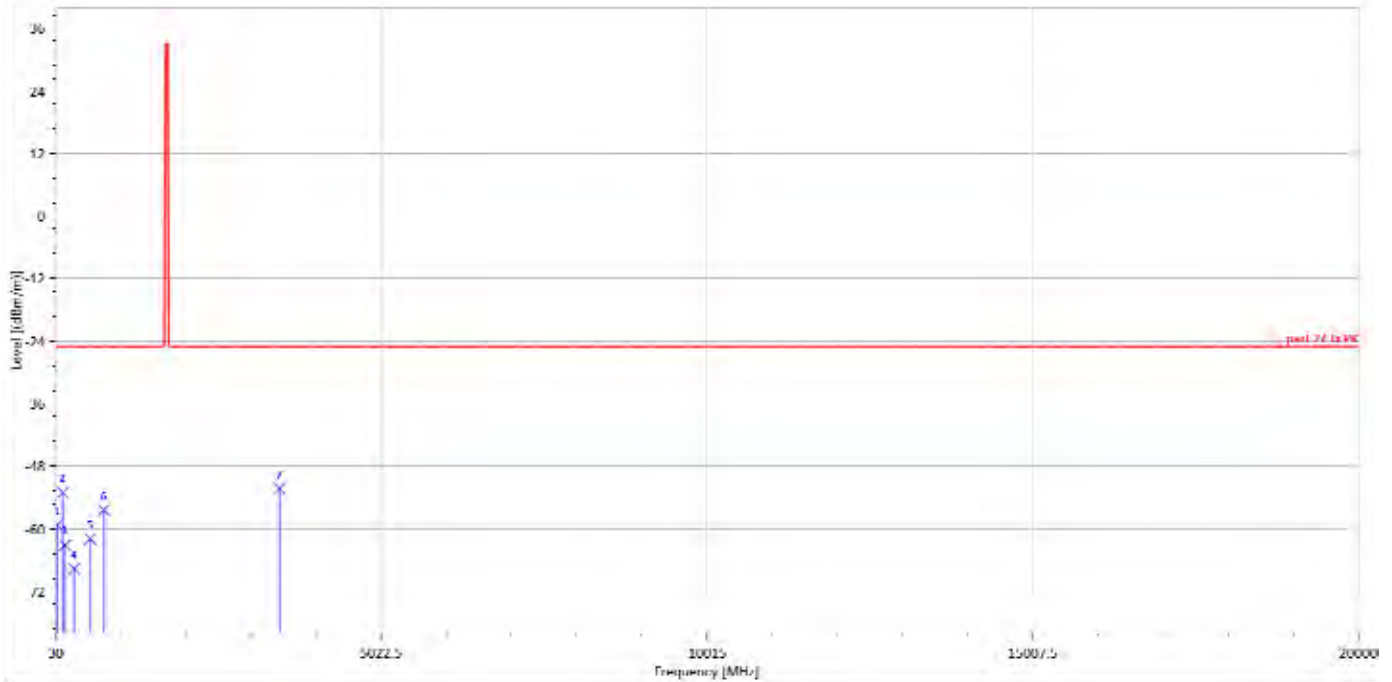
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Operation Mode : WCDMA B4 Test Date : 2018/2/5
 Fundamental Frequency : 1732.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
53.28	S	-59.24	-52.40	-5.85	-0.98	-25	-34.24
139.61	S	-53.04	-50.12	-1.27	-1.65	-25	-28.04
174.53	S	-63.15	-64.36	3.07	-1.85	-25	-38.15
317.12	S	-67.61	-68.54	3.48	-2.55	-25	-42.61
562.53	S	-61.93	-62.55	4.06	-3.44	-25	-36.93
773.02	S	-56.39	-57.55	5.19	-4.02	-25	-31.39
3465.20	H	-52.27	-55.77	12.23	-8.73	-25	-27.27

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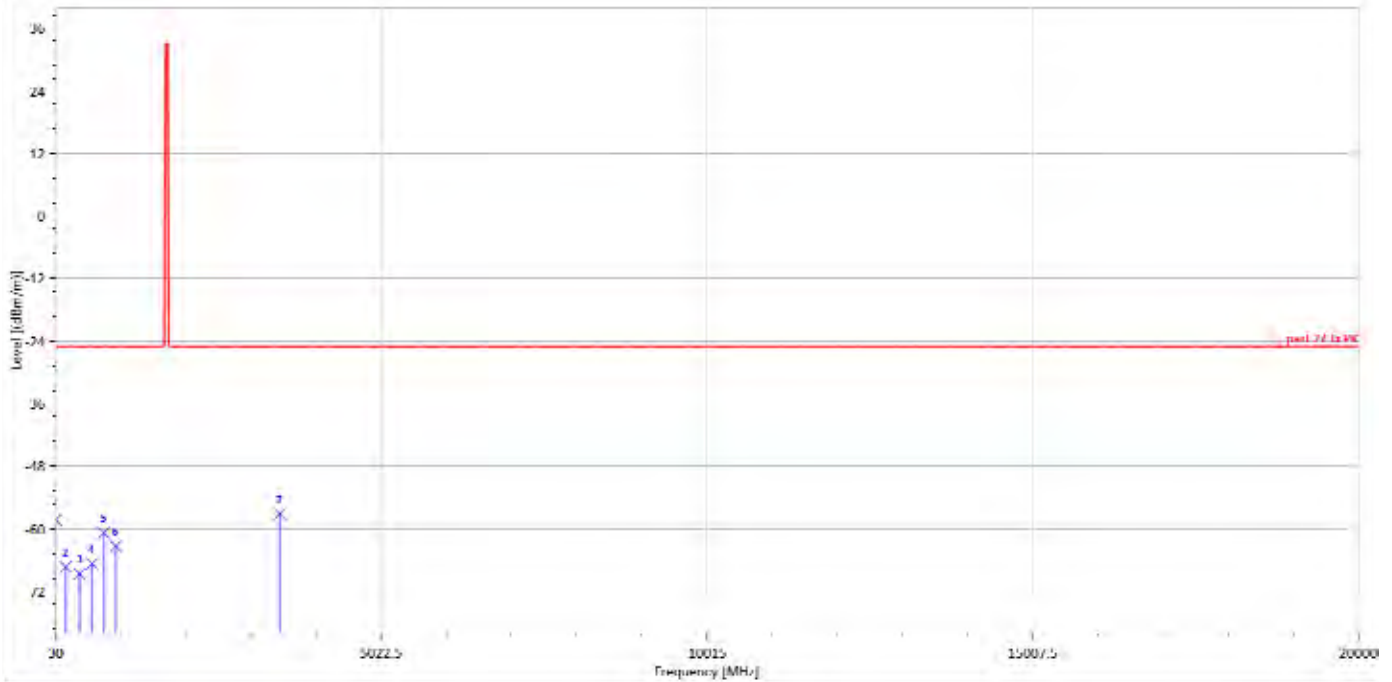
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Operation Mode : WCDMA B4 Test Date : 2018/2/5
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 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-58.32	-38.35	-19.13	-0.84	-25	-33.32
186.17	S	-67.34	-69.38	3.96	-1.92	-25	-42.34
399.57	S	-68.63	-68.97	3.20	-2.87	-25	-43.63
587.75	S	-66.69	-67.41	4.23	-3.52	-25	-41.69
772.05	S	-60.77	-61.94	5.19	-4.02	-25	-35.77
953.44	S	-63.33	-64.22	5.42	-4.53	-25	-38.33
3465.20	H	-57.14	-60.64	12.23	-8.73	-25	-32.14

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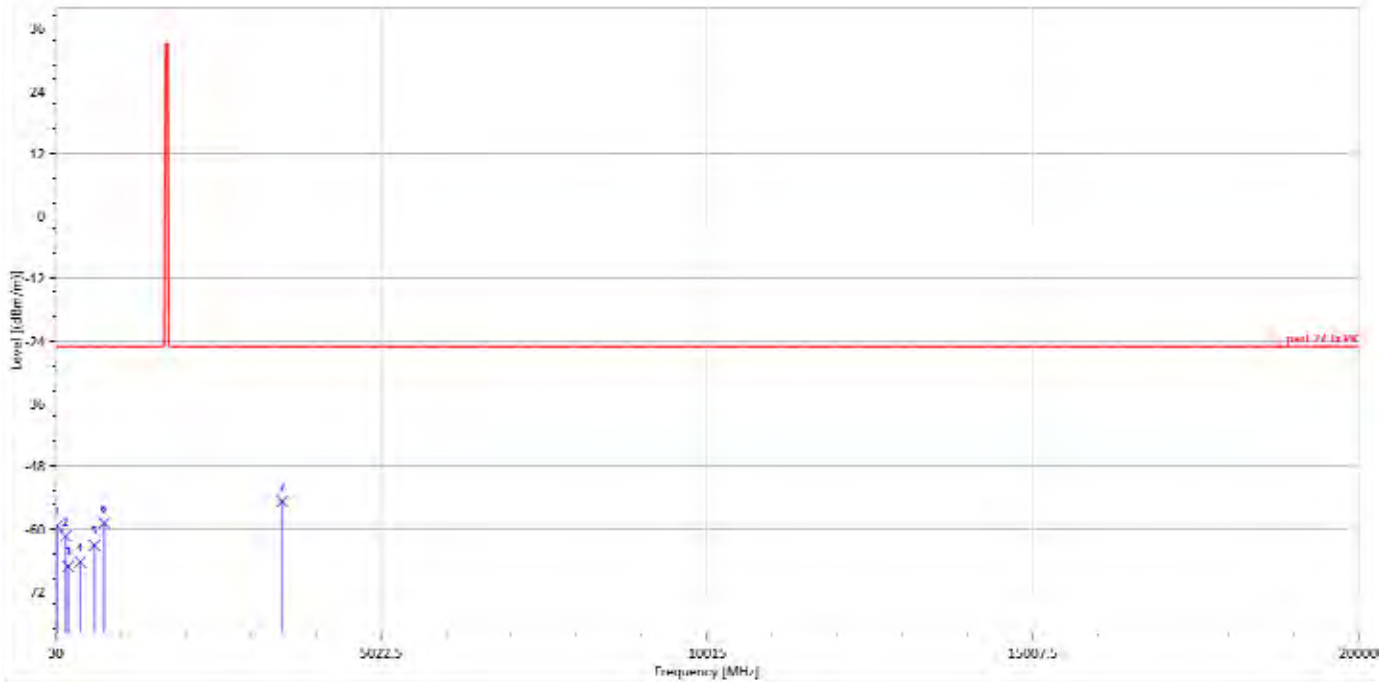
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 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.44	-52.60	-5.85	-0.98	-25	-34.44
183.26	S	-61.45	-63.37	3.82	-1.90	-25	-36.45
224.97	S	-67.22	-68.90	3.80	-2.11	-25	-42.22
408.30	S	-66.37	-66.73	3.27	-2.91	-25	-41.37
627.52	S	-63.16	-64.00	4.49	-3.65	-25	-38.16
775.93	S	-58.88	-60.04	5.19	-4.03	-25	-33.88
3505.20	H	-54.77	-58.31	12.30	-8.76	-25	-29.77

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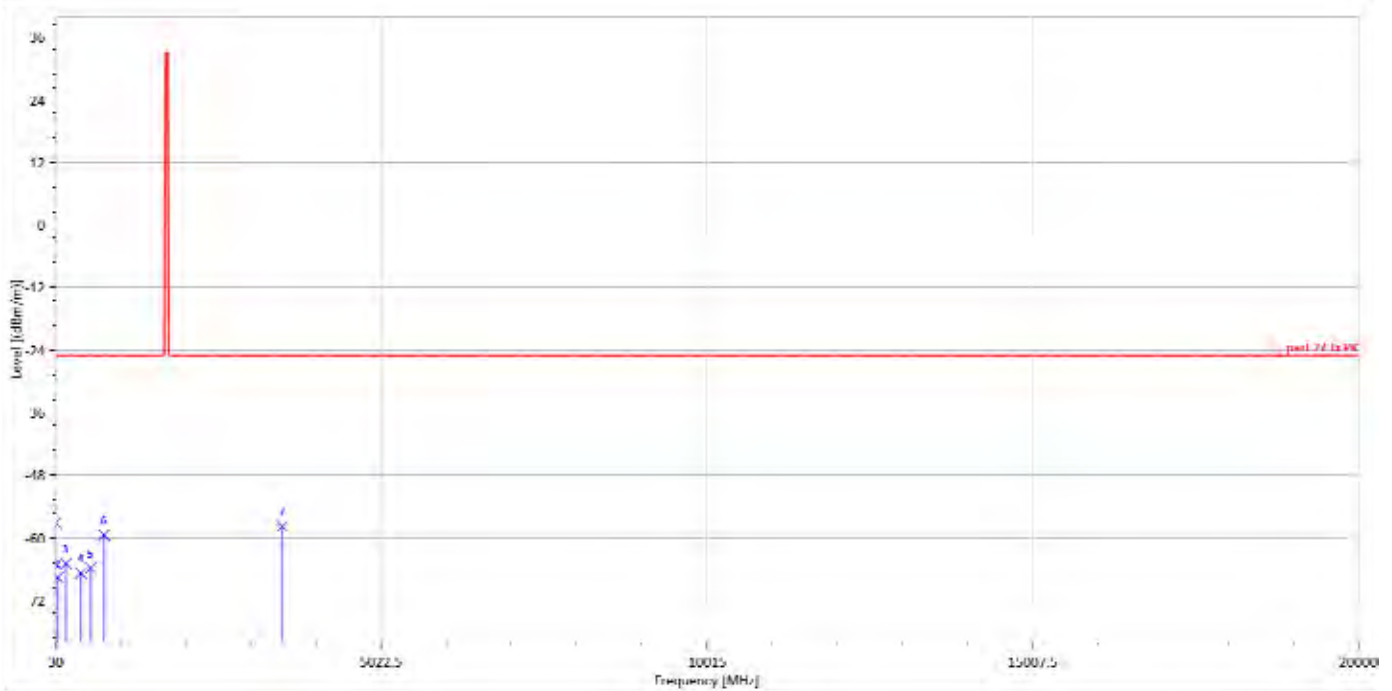
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Operation Mode : WCDMA B4 Test Date : 2018/2/5
 Fundamental Frequency : 1752.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-57.15	-36.34	-19.97	-0.83	-25	-32.15
63.95	S	-67.64	-63.86	-2.69	-1.09	-25	-42.64
190.05	S	-64.96	-67.15	4.14	-1.94	-25	-39.96
418.00	S	-66.80	-67.20	3.35	-2.94	-25	-41.80
568.35	S	-65.82	-66.47	4.10	-3.46	-25	-40.82
773.02	S	-59.46	-60.63	5.19	-4.02	-25	-34.46
3505.20	H	-57.81	-61.35	12.30	-8.76	-25	-32.81

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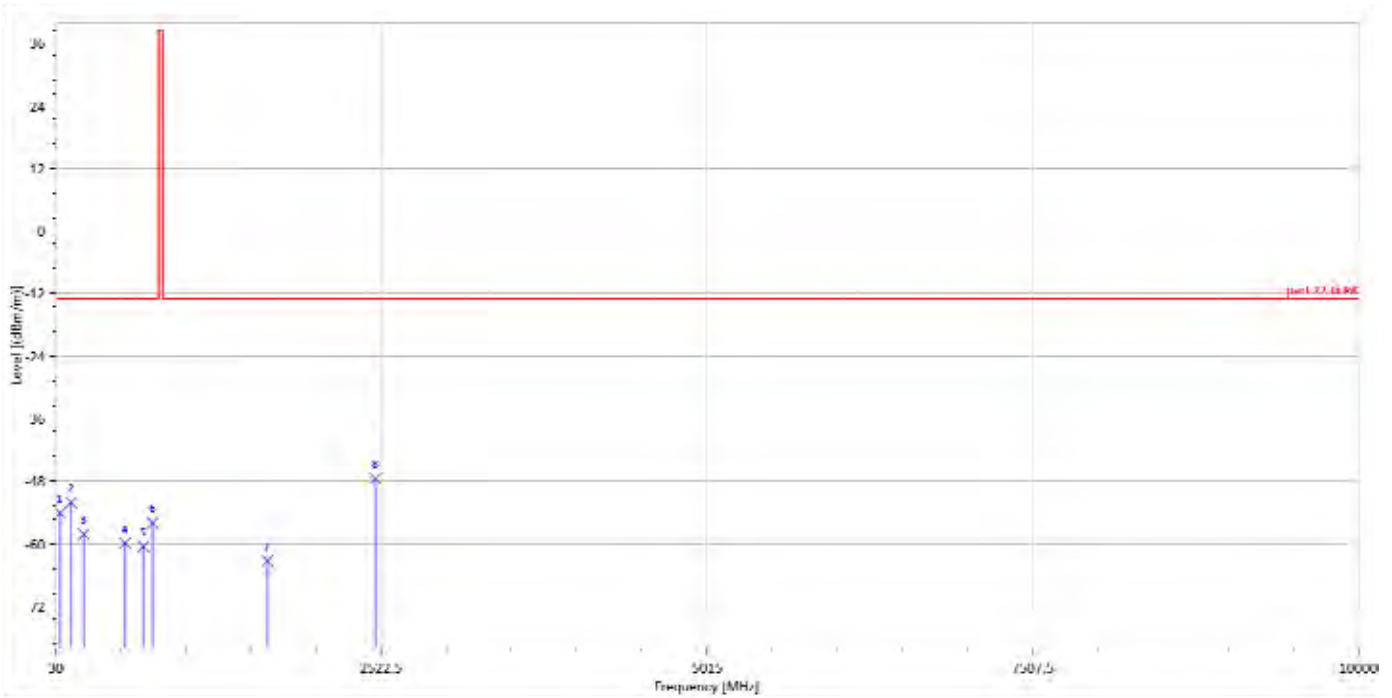
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Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Operation Mode :	WCDMA B5	Test Date :	2018/2/5
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
64.92	S	-54.10	-50.44	-2.57	-1.09	-13	-41.10
148.34	S	-52.07	-50.40	0.03	-1.70	-13	-39.07
246.31	S	-58.16	-58.88	2.95	-2.23	-13	-45.16
562.53	S	-59.89	-60.51	4.06	-3.44	-13	-46.89
702.21	S	-60.51	-61.74	5.06	-3.83	-13	-47.51
773.02	S	-56.00	-57.17	5.19	-4.02	-13	-43.00
1652.80	H	-63.27	-63.40	6.59	-6.46	-13	-50.27
2479.20	H	-47.43	-48.16	8.53	-7.81	-13	-34.43

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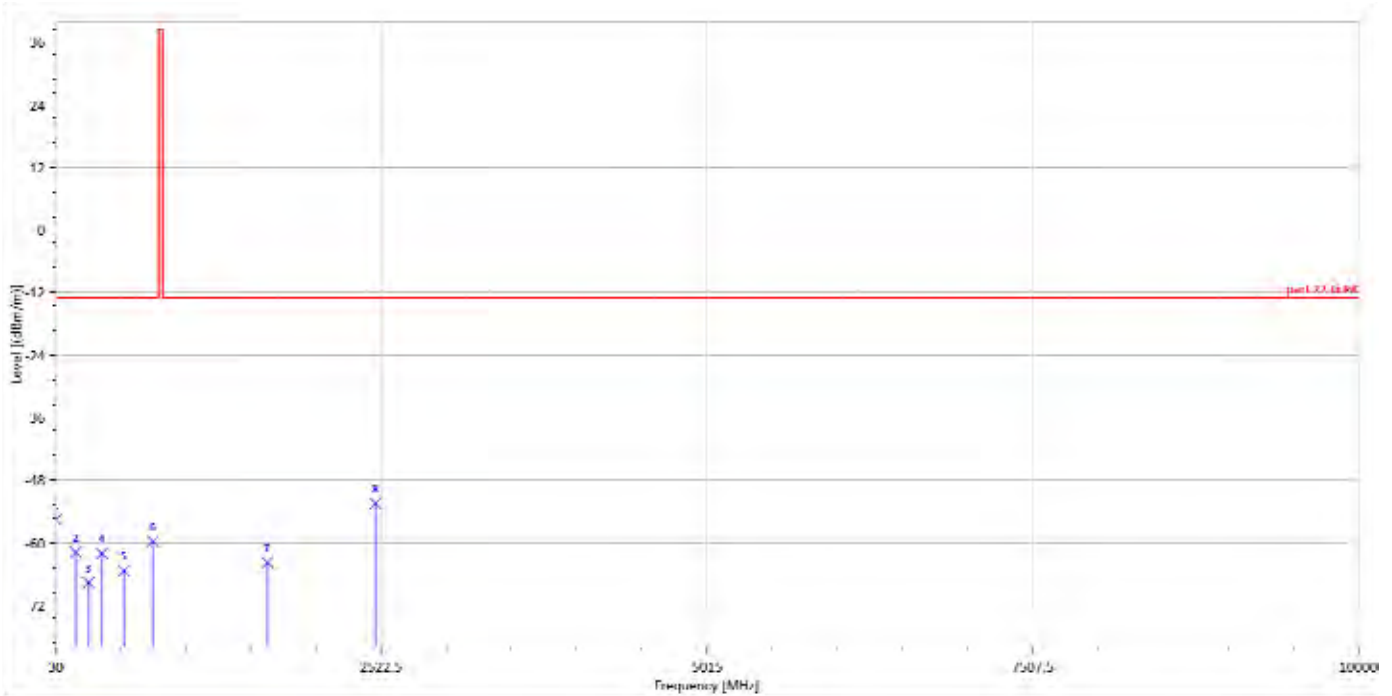
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Operation Mode : WCDMA B5 Test Date : 2018/2/5
 Fundamental Frequency : 826.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-55.56	-34.75	-19.97	-0.83	-13	-42.56
185.20	S	-61.81	-63.82	3.91	-1.91	-13	-48.81
283.17	S	-67.62	-68.57	3.33	-2.39	-13	-54.62
384.05	S	-62.06	-62.53	3.28	-2.81	-13	-49.06
554.77	S	-65.36	-65.95	4.00	-3.42	-13	-52.36
774.96	S	-59.71	-60.87	5.19	-4.03	-13	-46.71
1652.80	H	-63.79	-63.92	6.59	-6.46	-13	-50.79
2479.20	H	-52.45	-53.17	8.53	-7.81	-13	-39.45

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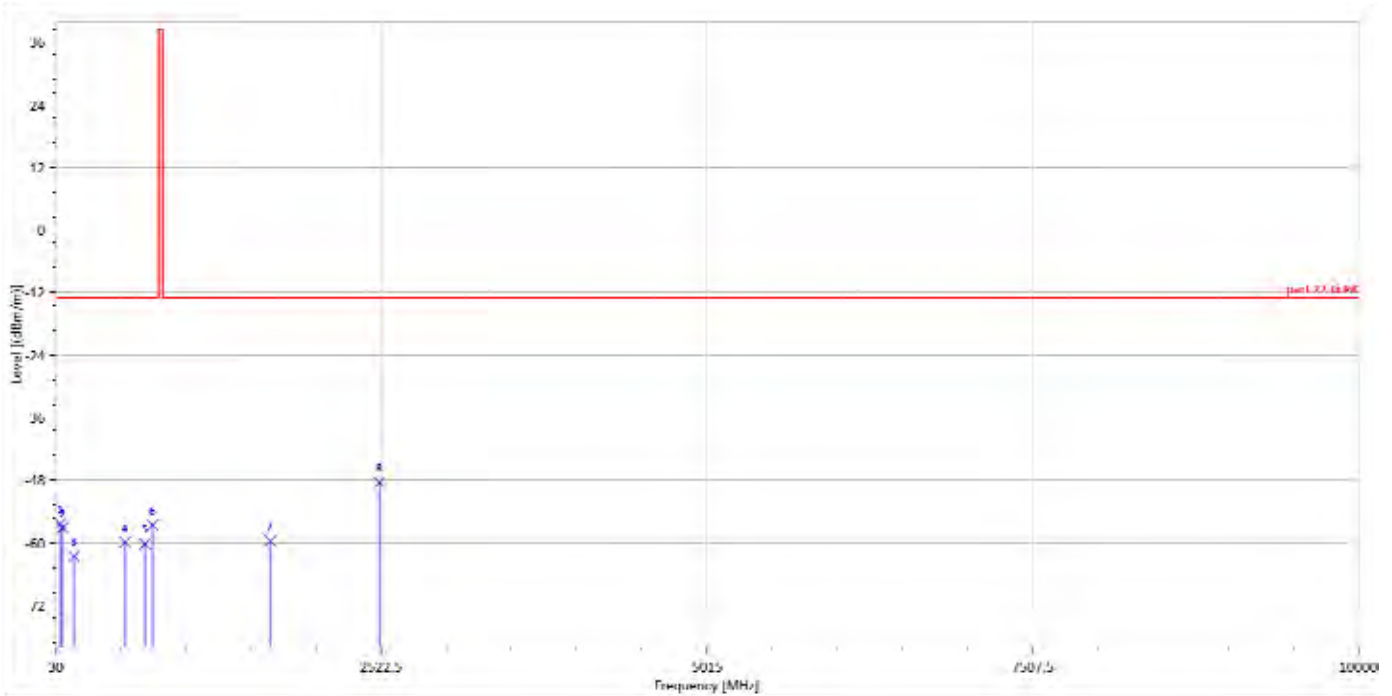
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Operation Mode : WCDMA B5 Test Date : 2018/2/5
 Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
66.86	S	-56.37	-52.93	-2.33	-1.11	-13	-43.37
82.38	S	-57.14	-54.08	-1.82	-1.24	-13	-44.14
170.65	S	-62.59	-63.40	2.64	-1.83	-13	-49.59
562.53	S	-59.92	-60.54	4.06	-3.44	-13	-46.92
714.82	S	-60.20	-61.42	5.09	-3.86	-13	-47.20
773.02	S	-56.63	-57.79	5.19	-4.02	-13	-43.63
1673.20	H	-59.65	-59.82	6.68	-6.50	-13	-46.65
2509.80	H	-48.46	-49.18	8.56	-7.84	-13	-35.46

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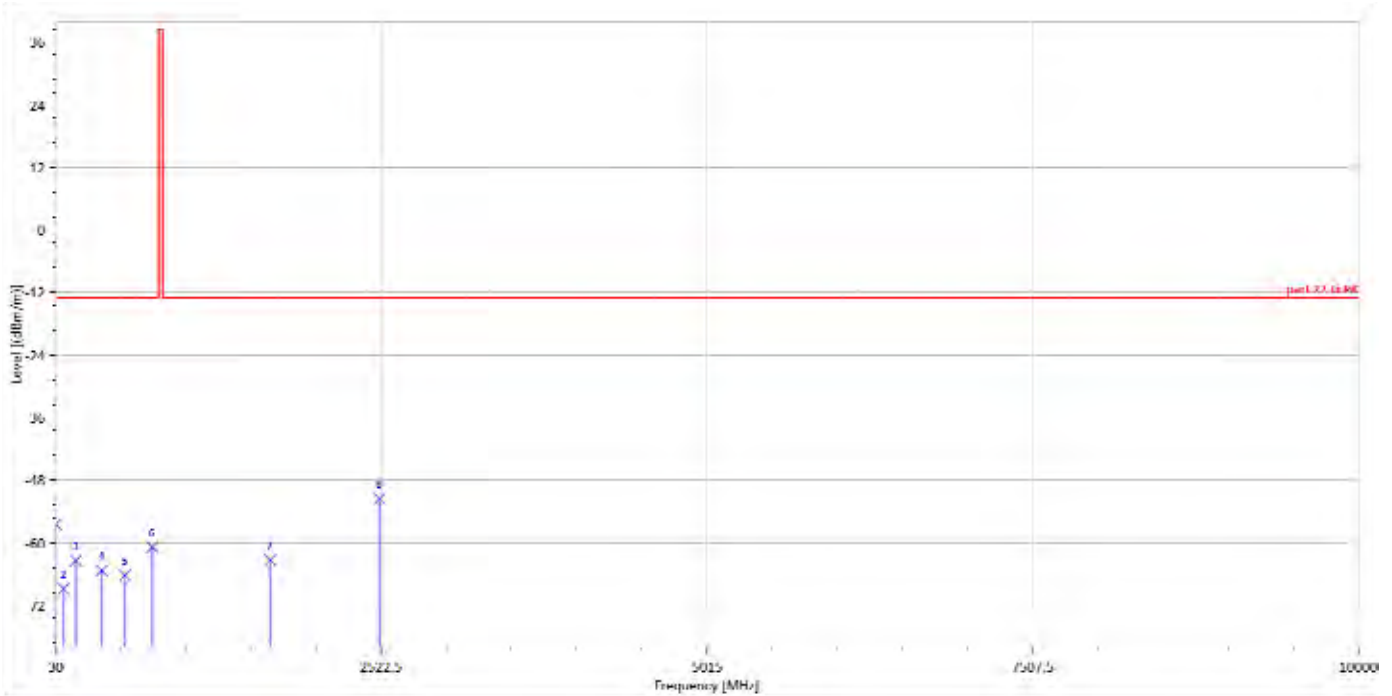
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Operation Mode : WCDMA B5 Test Date : 2018/2/5
 Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
31.94	S	-56.47	-34.82	-20.82	-0.83	-13	-43.47
91.11	S	-68.82	-65.13	-2.38	-1.31	-13	-55.82
185.20	S	-63.41	-65.41	3.91	-1.91	-13	-50.41
384.05	S	-65.32	-65.79	3.28	-2.81	-13	-52.32
561.56	S	-66.23	-66.85	4.05	-3.43	-13	-53.23
771.08	S	-60.80	-61.97	5.19	-4.01	-13	-47.80
1673.20	H	-63.27	-63.44	6.68	-6.50	-13	-50.27
2509.80	H	-51.57	-52.29	8.56	-7.84	-13	-38.57

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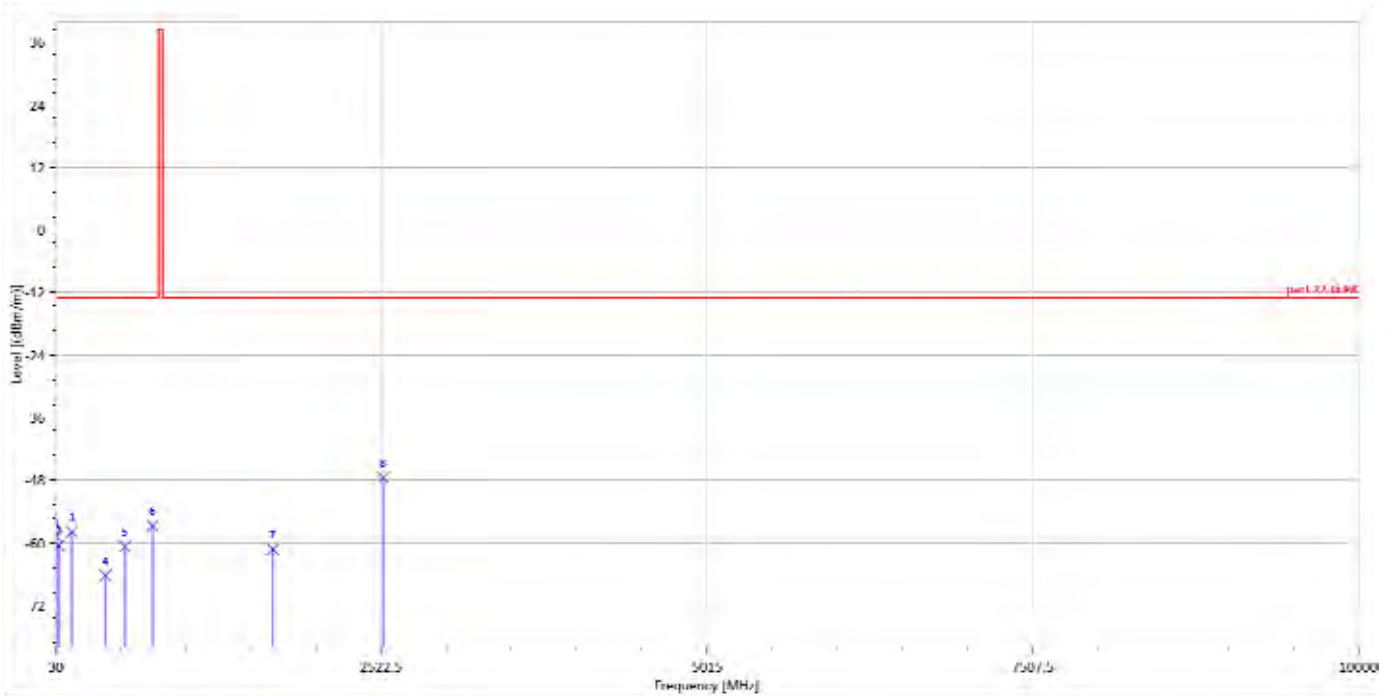
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Operation Mode : WCDMA B5 Test Date : 2018/2/5
 Fundamental Frequency : 846.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level	Gain	Loss	@3m	dB
			dBm	dBi/dBd	dB	dBm/m	
37.76	S	-58.87	-42.10	-15.92	-0.85	-13	-45.87
55.22	S	-60.54	-54.46	-5.08	-1.00	-13	-47.54
155.13	S	-57.88	-56.96	0.82	-1.74	-13	-44.88
413.15	S	-66.25	-66.63	3.31	-2.93	-13	-53.25
562.53	S	-60.71	-61.33	4.06	-3.44	-13	-47.71
773.02	S	-56.75	-57.92	5.19	-4.02	-13	-43.75
1693.20	H	-61.27	-61.48	6.76	-6.55	-13	-48.27
2539.80	H	-47.48	-48.20	8.60	-7.87	-13	-34.48

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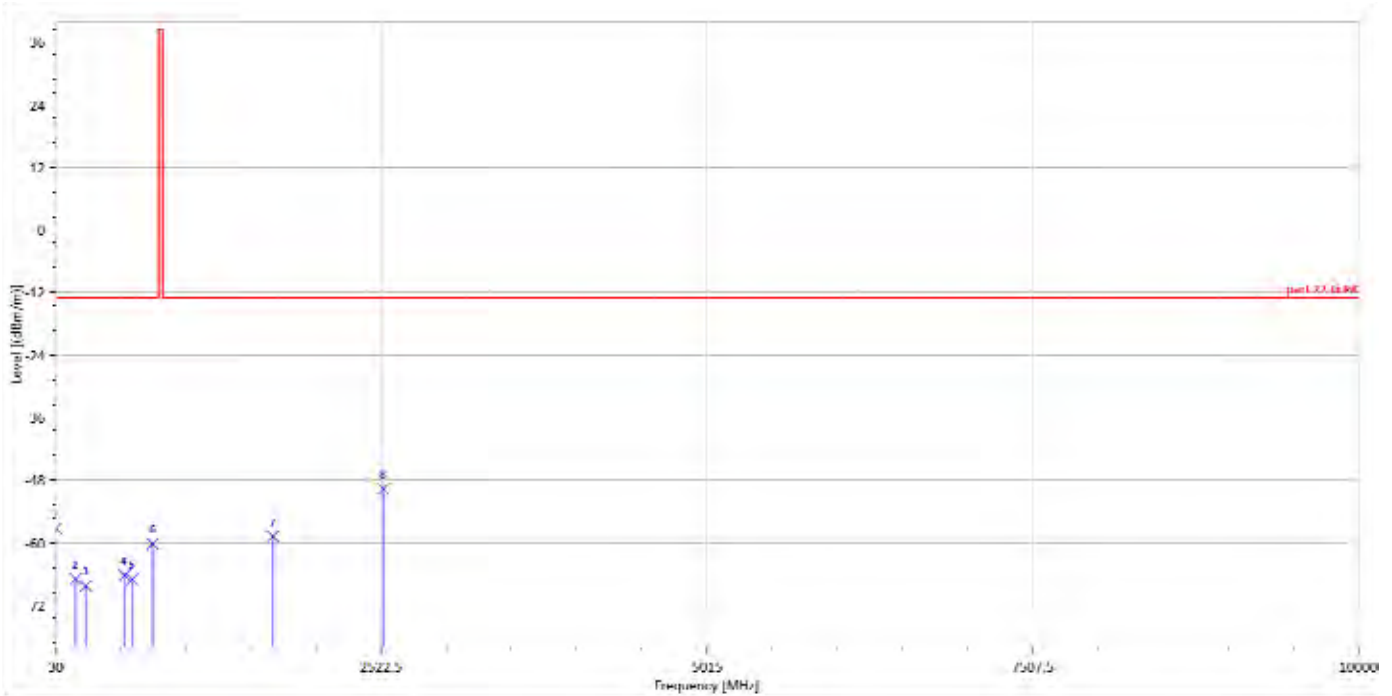
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Operation Mode : WCDMA B5 Test Date : 2018/2/5
 Fundamental Frequency : 846.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
32.91	S	-57.21	-36.41	-19.97	-0.83	-13	-44.21
183.26	S	-66.95	-68.87	3.82	-1.90	-13	-53.95
261.83	S	-68.25	-68.19	2.25	-2.31	-13	-55.25
558.65	S	-66.19	-66.80	4.03	-3.43	-13	-53.19
616.85	S	-66.99	-67.80	4.42	-3.62	-13	-53.99
773.02	S	-60.18	-61.34	5.19	-4.02	-13	-47.18
1693.20	H	-58.78	-59.00	6.76	-6.55	-13	-45.78
2539.80	H	-49.67	-50.39	8.60	-7.87	-13	-36.67

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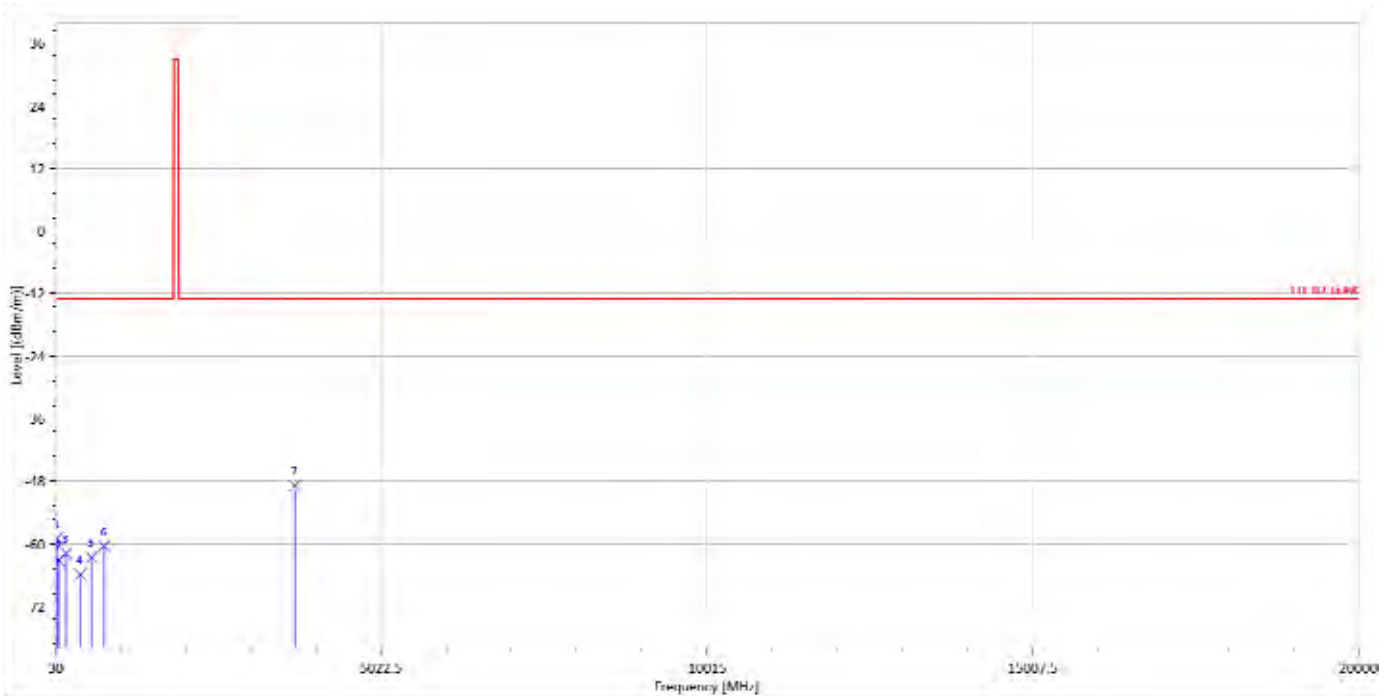
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Radiated Spurious Emission Measurement Result: LTE-Band 2

Operation Mode :	LTEB2 1.4M QPSK 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1850.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-58.94	-54.12	-3.84	-0.98	-13	-45.94
79.47	S	-63.11	-62.34	0.45	-1.22	-13	-50.11
191.02	S	-61.86	-65.78	5.87	-1.95	-13	-48.86
410.24	S	-65.91	-68.85	5.86	-2.92	-13	-52.91
583.87	S	-62.63	-65.95	6.83	-3.51	-13	-49.63
773.99	S	-60.43	-64.15	7.74	-4.03	-13	-47.43
3701.40	H	-48.81	-52.33	12.42	-8.90	-13	-35.81

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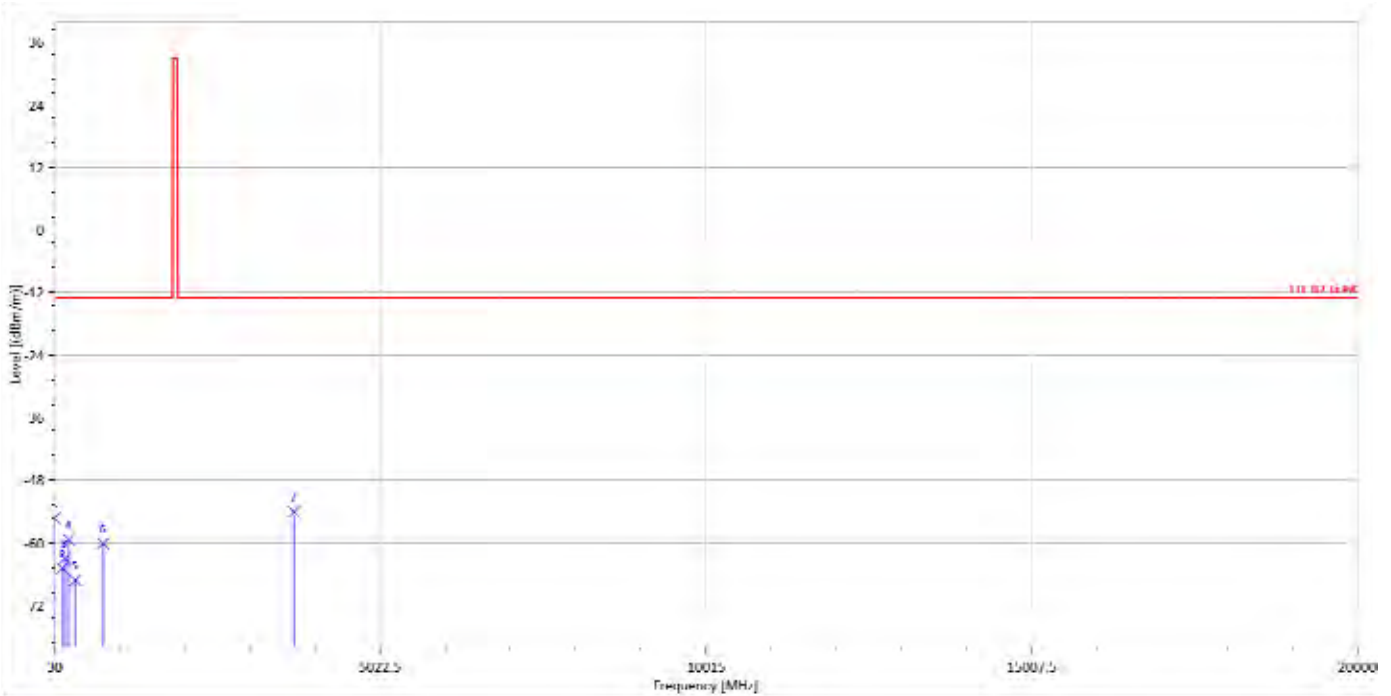
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Operation Mode :	LTEB2 1.4M QPSK 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1850.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
30.97	S	-55.27	-34.88	-19.56	-0.82	-13	-42.27
148.34	S	-64.88	-65.10	1.92	-1.70	-13	-51.88
191.02	S	-62.97	-66.90	5.87	-1.95	-13	-49.97
246.31	S	-59.36	-62.47	5.33	-2.23	-13	-46.36
350.10	S	-67.19	-70.50	5.99	-2.68	-13	-54.19
775.93	S	-60.13	-63.84	7.74	-4.03	-13	-47.13
3701.40	H	-54.05	-57.57	12.42	-8.90	-13	-41.05

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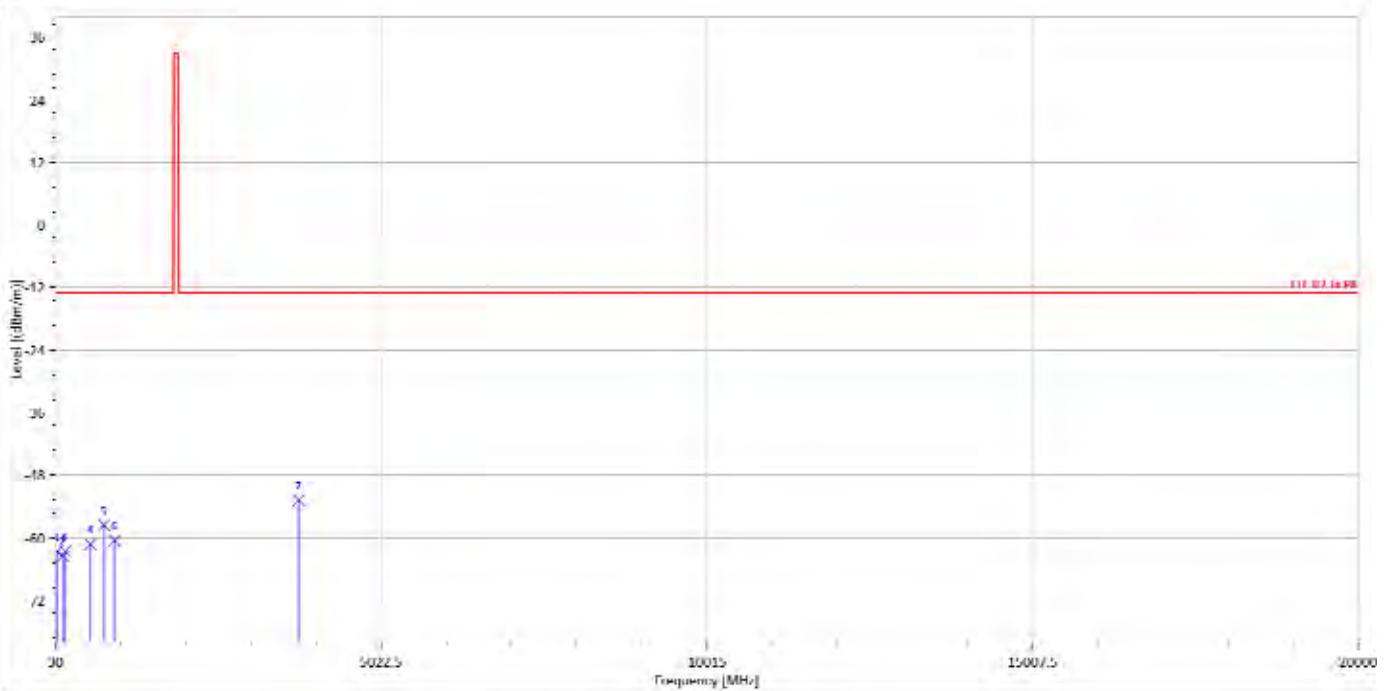
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Operation Mode :	LTEB2 1.4M QPSK 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
54.25	S	-62.59	-58.14	-3.46	-0.99	-13	-49.59
147.37	S	-63.53	-63.62	1.79	-1.69	-13	-50.53
176.47	S	-62.60	-65.77	5.03	-1.86	-13	-49.60
562.53	S	-61.23	-64.43	6.63	-3.44	-13	-48.23
776.90	S	-57.54	-61.25	7.74	-4.04	-13	-44.54
935.01	S	-60.51	-63.97	7.94	-4.49	-13	-47.51
3760.00	H	-52.80	-56.31	12.46	-8.94	-13	-39.80

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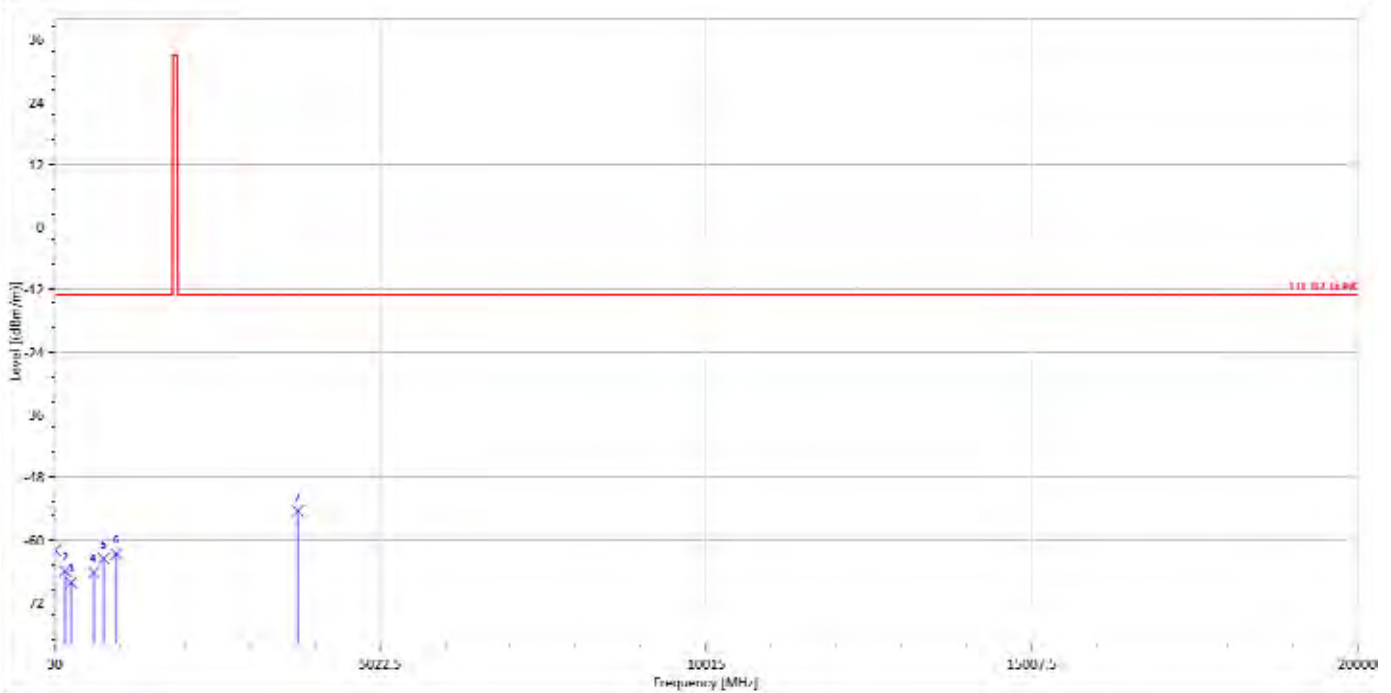
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f (886-2) 2298-0488

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Operation Mode :	LTEB2 1.4M QPSK 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1880 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
39.70	S	-61.99	-48.93	-12.21	-0.86	-13	-48.99
191.99	S	-65.97	-69.88	5.85	-1.95	-13	-52.97
283.17	S	-68.19	-71.49	5.69	-2.39	-13	-55.19
632.37	S	-66.27	-69.72	7.10	-3.65	-13	-53.27
784.66	S	-63.62	-67.31	7.75	-4.07	-13	-50.62
974.78	S	-62.77	-66.22	8.04	-4.59	-13	-49.77
3760.00	H	-54.47	-57.98	12.45	-8.93	-13	-41.47

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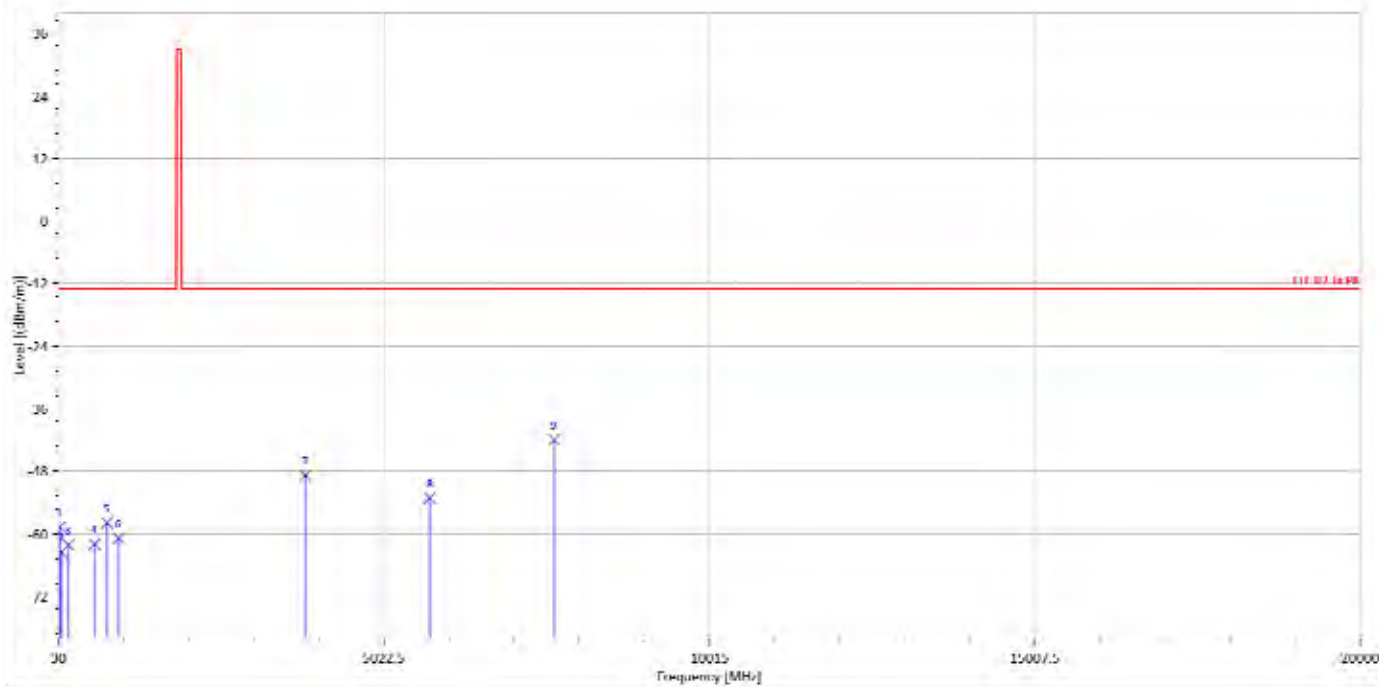
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Operation Mode :	LTEB2 1.4M QPSK 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1909.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-58.68	-53.86	-3.84	-0.98	-13	-45.68
76.56	S	-63.48	-62.63	0.35	-1.19	-13	-50.48
182.29	S	-62.15	-65.78	5.52	-1.89	-13	-49.15
585.81	S	-62.00	-65.34	6.84	-3.51	-13	-49.00
774.96	S	-57.89	-61.60	7.74	-4.03	-13	-44.89
955.38	S	-60.84	-64.29	7.98	-4.54	-13	-47.84
3818.60	H	-48.82	-52.33	12.49	-8.98	-13	-35.82
5727.90	H	-53.13	-55.70	13.05	-10.48	-13	-40.13
7637.20	H	-41.98	-41.66	11.30	-11.62	-13	-28.98

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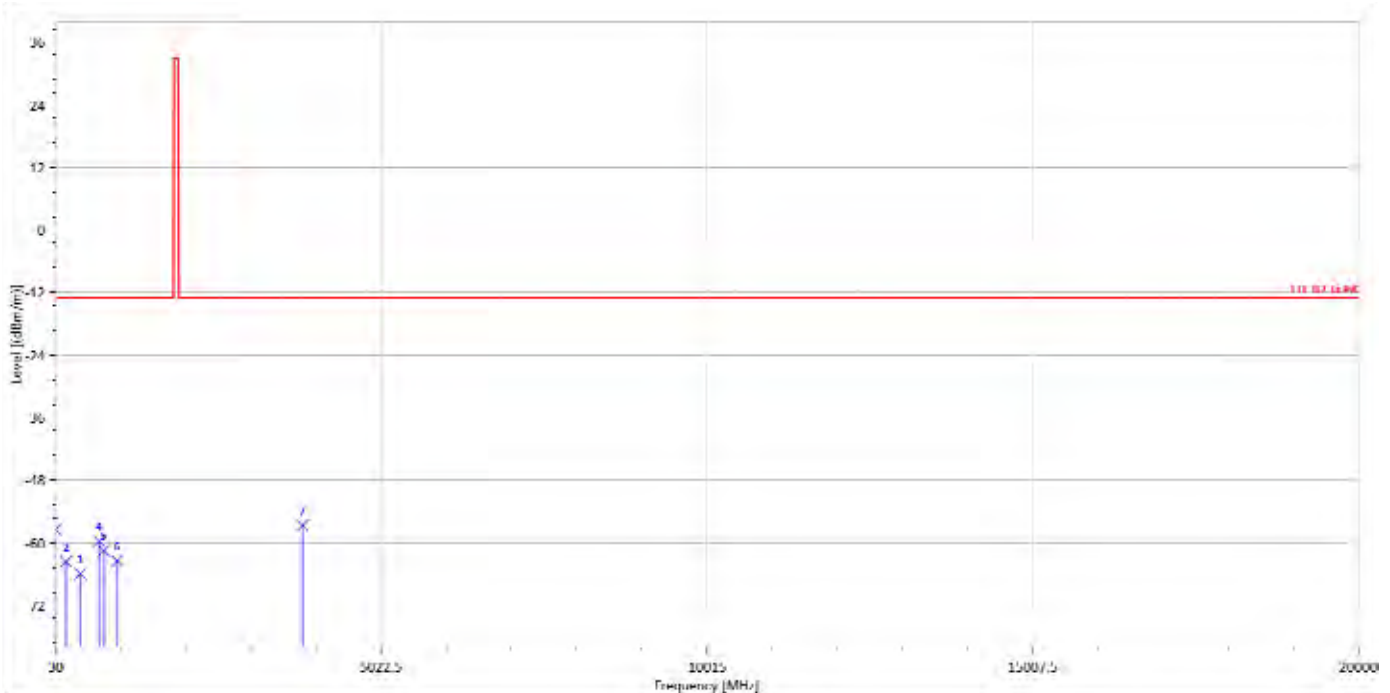
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Operation Mode :	LTEB2 1.4M QPSK 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1909.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-57.47	-38.65	-18.00	-0.83	-13	-44.47
191.99	S	-63.63	-67.54	5.85	-1.95	-13	-50.63
409.27	S	-65.95	-68.89	5.85	-2.92	-13	-52.95
699.30	S	-59.66	-63.55	7.70	-3.82	-13	-46.66
775.93	S	-61.52	-65.23	7.74	-4.03	-13	-48.52
972.84	S	-63.51	-66.95	8.03	-4.59	-13	-50.51
3818.60	H	-56.67	-60.18	12.49	-8.98	-13	-43.67

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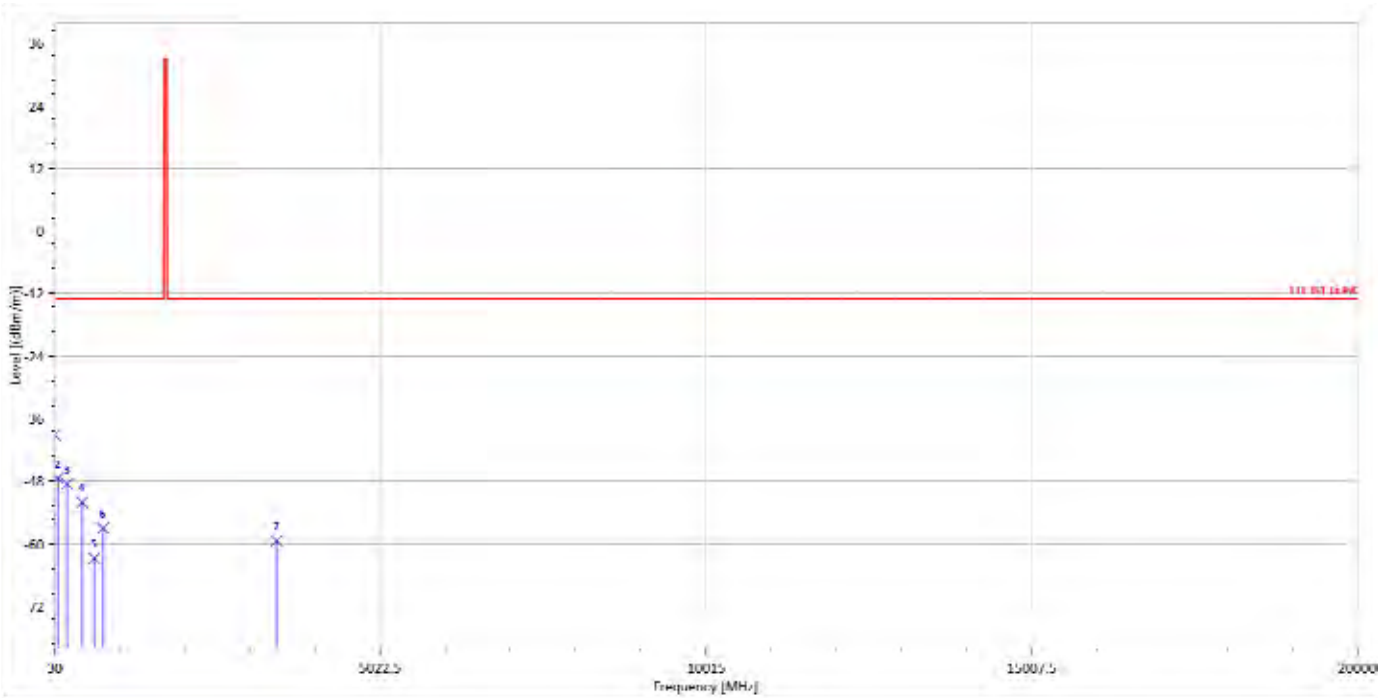
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Radiated Spurious Emission Measurement Result: LTE-Band 4

Operation Mode :	LTEB4 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1712.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-39.13	-21.08	-17.21	-0.84	-13	-26.13
82.38	S	-47.42	-46.52	0.33	-1.24	-13	-34.42
224.00	S	-48.54	-52.67	6.23	-2.11	-13	-35.54
453.89	S	-52.04	-55.27	6.29	-3.06	-13	-39.04
641.10	S	-62.77	-66.23	7.13	-3.67	-13	-49.77
773.99	S	-57.00	-60.71	7.74	-4.03	-13	-44.00
3435.00	H	-59.40	-62.86	12.17	-8.71	-13	-46.40

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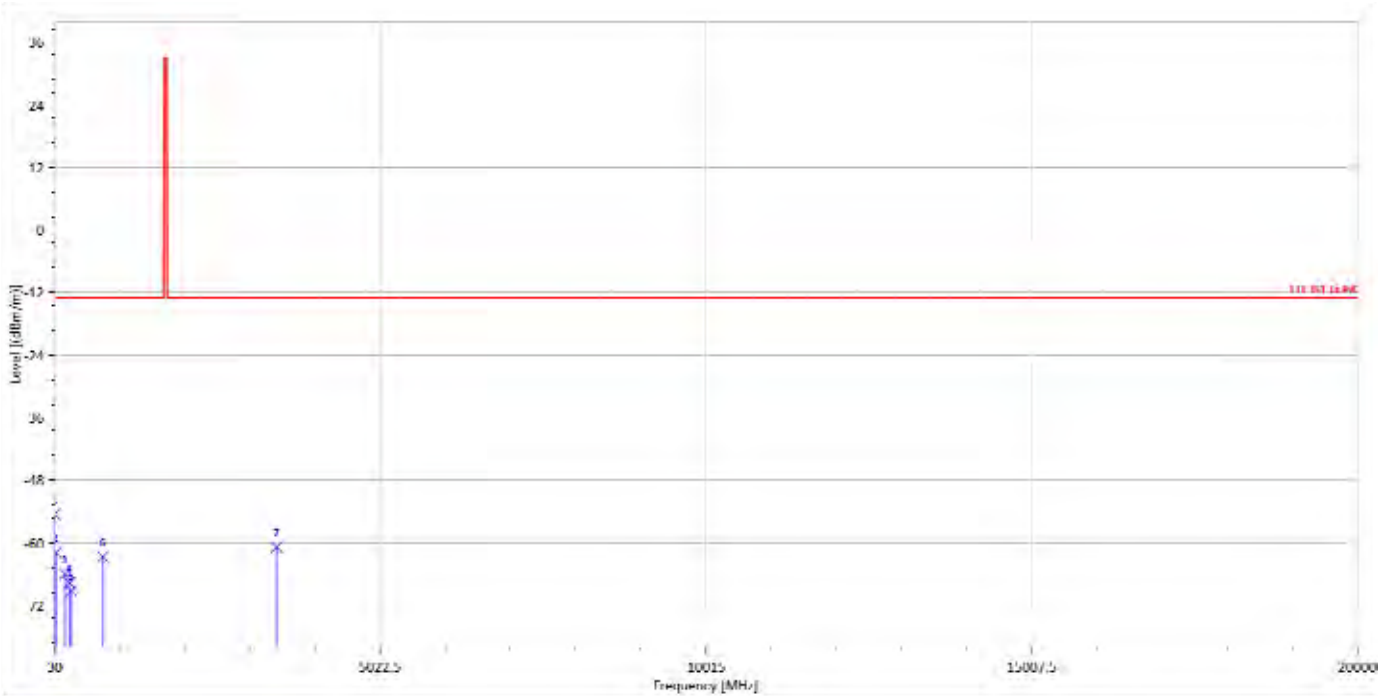
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Operation Mode : LTEB4 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 1712.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH LOW Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
30.97	S	-54.54	-34.16	-19.56	-0.82	-13	-41.54
51.34	S	-61.88	-56.33	-4.59	-0.96	-13	-48.88
191.02	S	-65.98	-69.90	5.87	-1.95	-13	-52.98
259.89	S	-67.68	-69.90	4.52	-2.30	-13	-54.68
285.11	S	-69.20	-72.51	5.71	-2.40	-13	-56.20
773.02	S	-62.68	-66.40	7.74	-4.02	-13	-49.68
3435.00	H	-60.83	-64.30	12.17	-8.71	-13	-47.83

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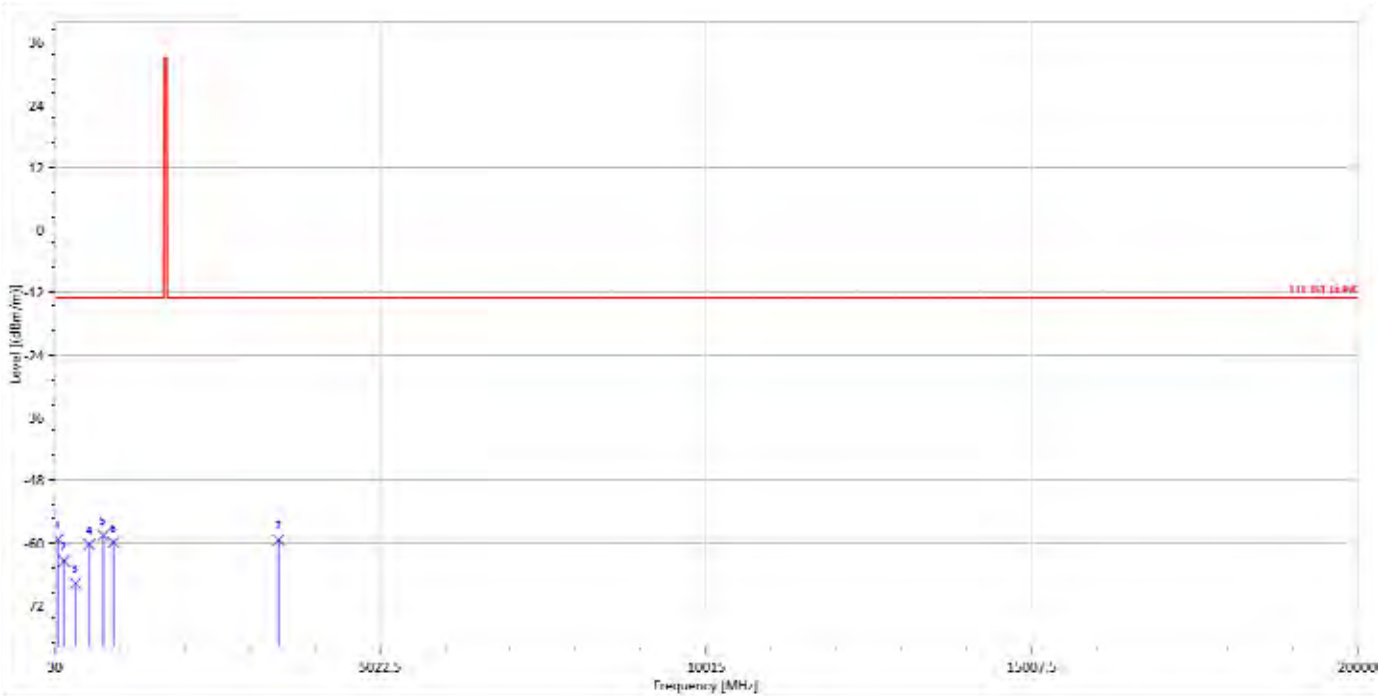
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Operation Mode : LTEB4 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 1732.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
81.41	S	-59.33	-58.49	0.39	-1.23	-13	-46.33
175.50	S	-63.50	-66.56	4.92	-1.86	-13	-50.50
353.01	S	-67.78	-71.06	5.98	-2.69	-13	-54.78
562.53	S	-60.28	-63.47	6.63	-3.44	-13	-47.28
777.87	S	-58.57	-62.27	7.74	-4.04	-13	-45.57
935.98	S	-59.91	-63.37	7.94	-4.49	-13	-46.91
3465.00	H	-59.47	-62.97	12.23	-8.73	-13	-46.47

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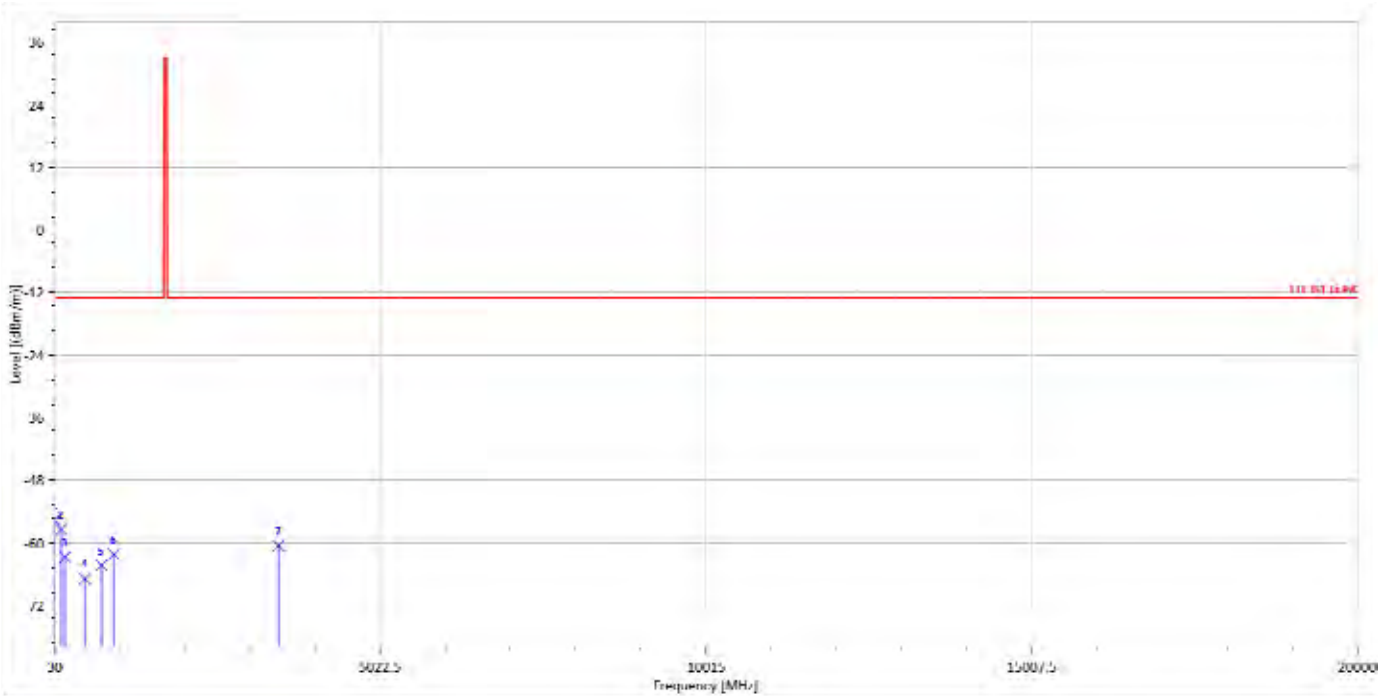
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Operation Mode :	LTEB4 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1732.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
30.97	S	-55.60	-35.22	-19.56	-0.82	-13	-42.60
131.85	S	-57.44	-55.67	-0.18	-1.59	-13	-44.44
191.02	S	-62.71	-66.63	5.87	-1.95	-13	-49.71
496.57	S	-66.85	-70.11	6.47	-3.22	-13	-53.85
749.74	S	-64.30	-68.07	7.71	-3.94	-13	-51.30
937.92	S	-62.21	-65.67	7.95	-4.49	-13	-49.21
3465.00	H	-60.53	-64.03	12.23	-8.73	-13	-47.53

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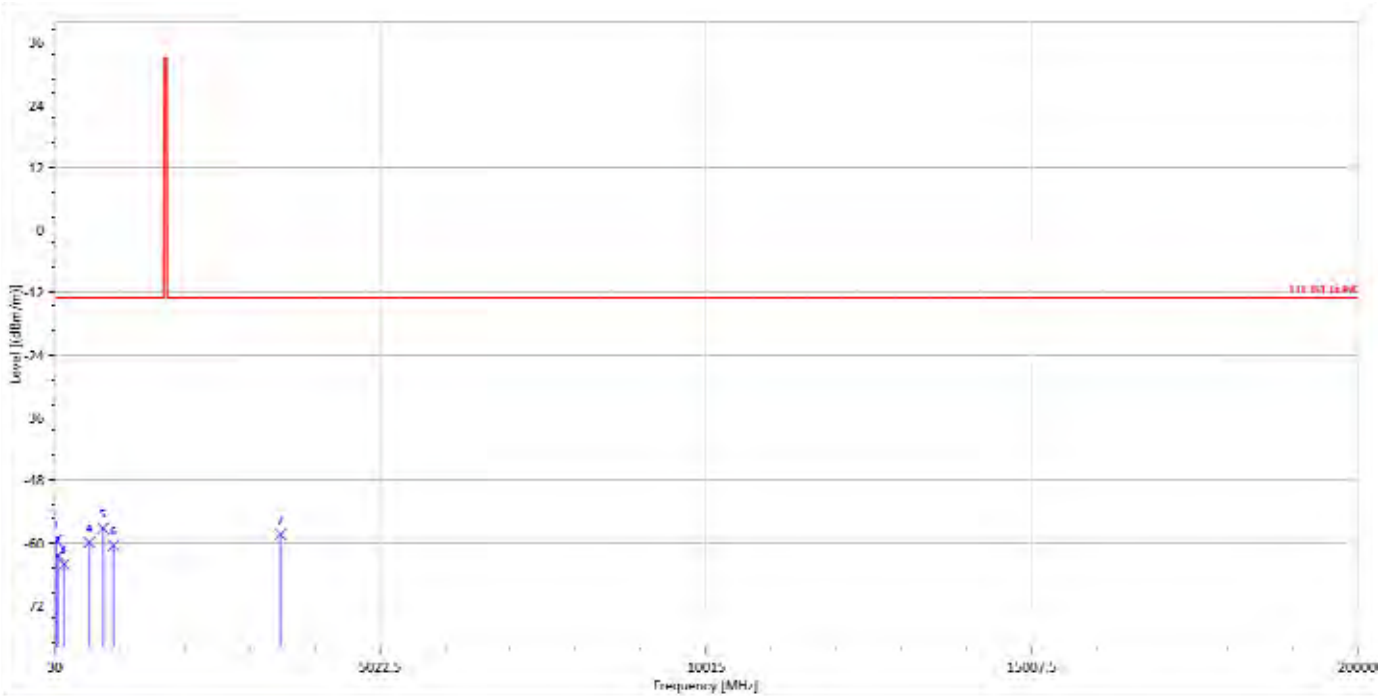
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Operation Mode :	LTEB4 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1747.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
52.31	S	-59.50	-54.32	-4.21	-0.97	-13	-46.50
85.29	S	-62.40	-61.31	0.17	-1.26	-13	-49.40
174.53	S	-64.10	-67.06	4.82	-1.85	-13	-51.10
562.53	S	-59.92	-63.12	6.63	-3.44	-13	-46.92
776.90	S	-57.20	-60.90	7.74	-4.04	-13	-44.20
935.01	S	-60.49	-63.95	7.94	-4.49	-13	-47.49
3495.00	H	-58.42	-61.95	12.29	-8.76	-13	-45.42

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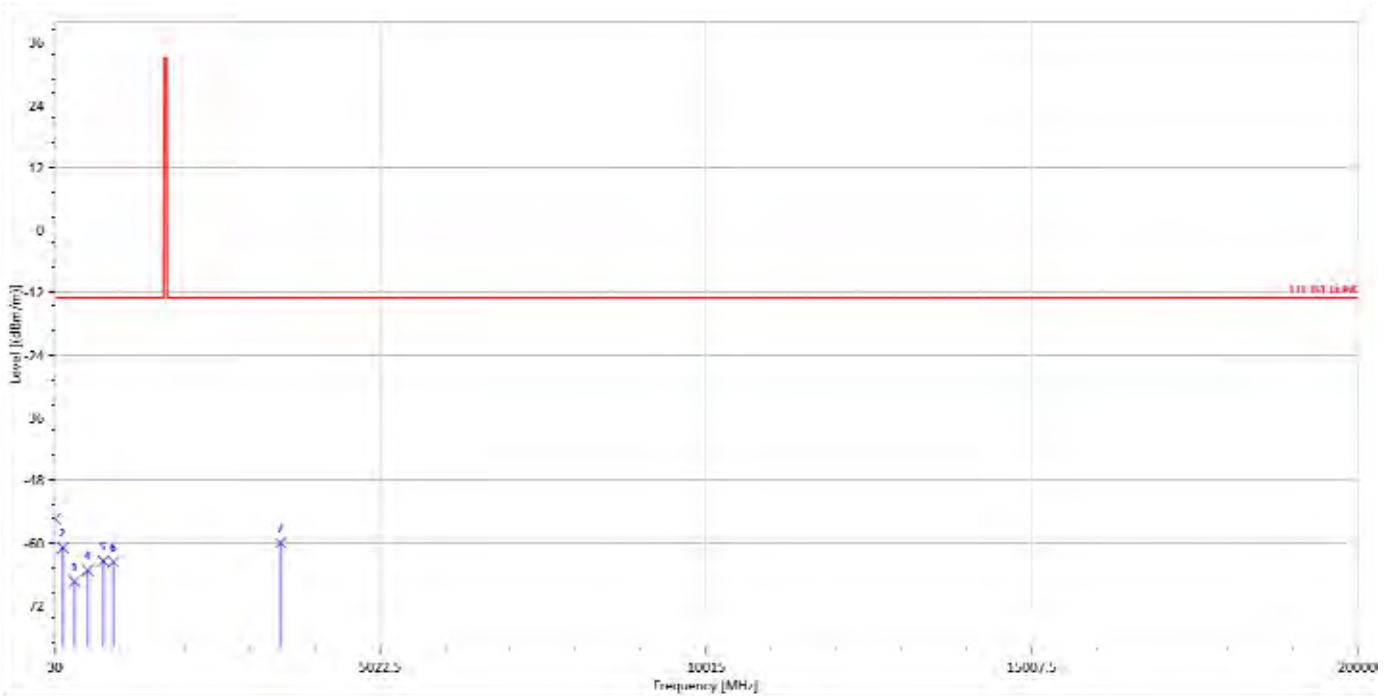
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Operation Mode :	LTEB4 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	1747.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
34.85	S	-55.43	-38.16	-16.43	-0.84	-13	-42.43
157.07	S	-60.94	-62.07	2.88	-1.75	-13	-47.94
337.49	S	-67.41	-70.74	5.96	-2.63	-13	-54.41
539.25	S	-65.25	-68.39	6.51	-3.38	-13	-52.25
776.90	S	-63.46	-67.17	7.74	-4.04	-13	-50.46
932.10	S	-63.67	-67.14	7.94	-4.48	-13	-50.67
3495.00	H	-60.02	-63.55	12.29	-8.76	-13	-47.02

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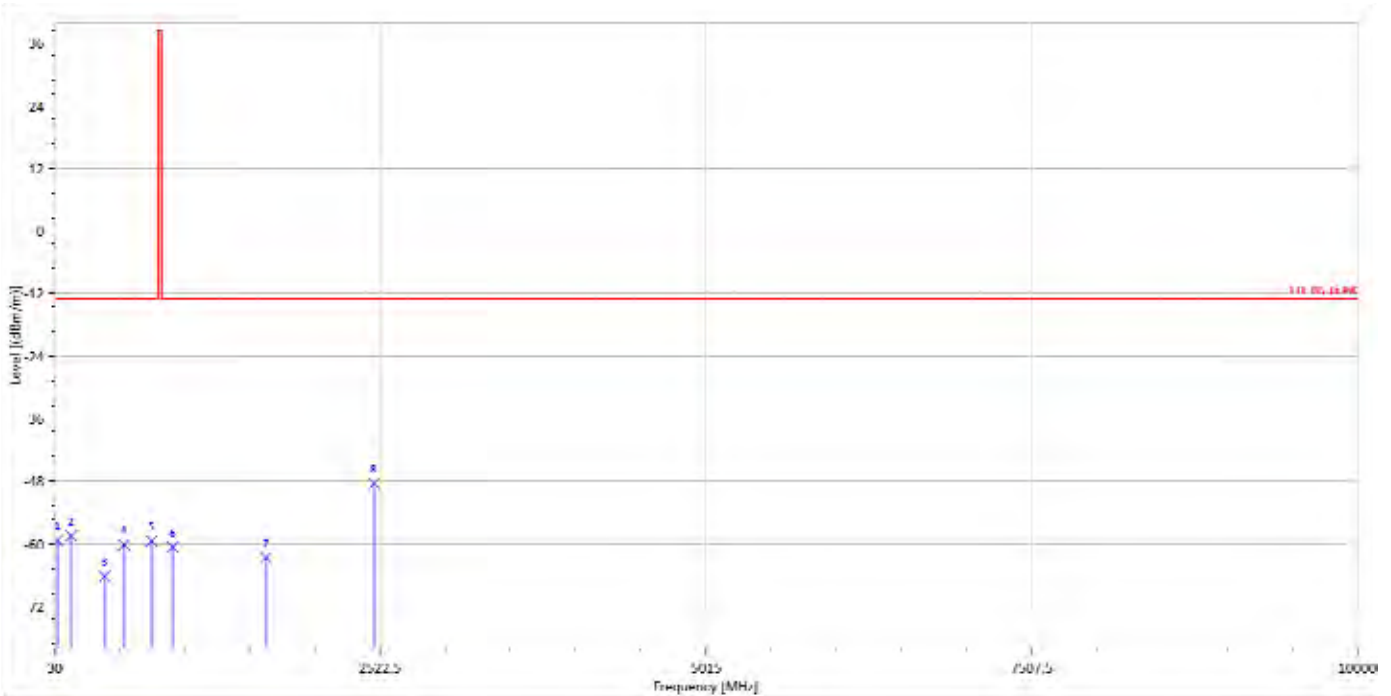
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Radiated Spurious Emission Measurement Result: LTE-Band 5

Operation Mode :	LTEB5 3M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
52.31	S	-59.32	-52.11	-6.24	-0.97	-13	-46.32
156.10	S	-58.47	-57.65	0.93	-1.75	-13	-45.47
415.09	S	-66.22	-66.61	3.33	-2.94	-13	-53.22
562.53	S	-60.17	-60.79	4.06	-3.44	-13	-47.17
773.02	S	-59.46	-60.62	5.19	-4.02	-13	-46.46
935.01	S	-60.66	-61.53	5.36	-4.49	-13	-47.66
1651.00	H	-62.64	-62.77	6.58	-6.46	-13	-49.64
2476.50	H	-48.41	-49.13	8.53	-7.80	-13	-35.41

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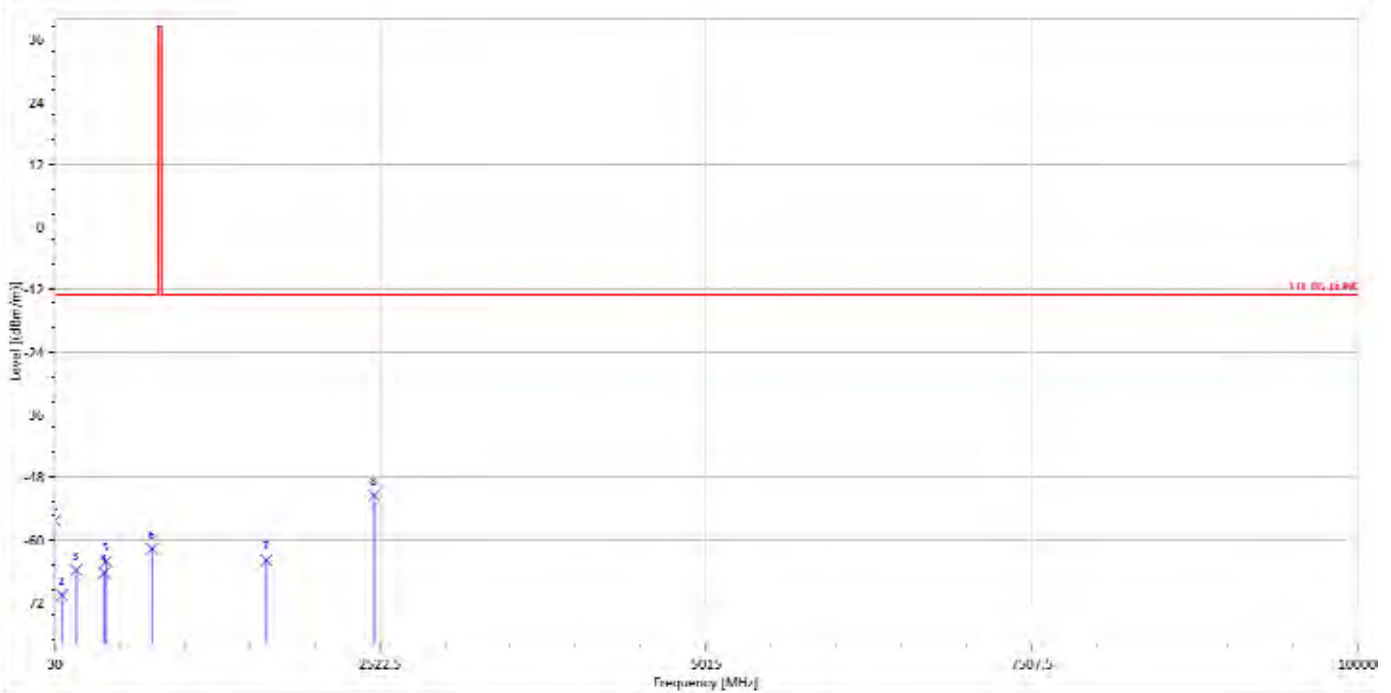
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Operation Mode :	LTEB5 3M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.37	-34.73	-20.82	-0.83	-13	-43.37
87.23	S	-70.59	-67.21	-2.10	-1.28	-13	-57.59
196.84	S	-65.85	-67.77	3.89	-1.97	-13	-52.85
409.27	S	-66.34	-66.71	3.28	-2.92	-13	-53.34
424.79	S	-64.14	-64.59	3.41	-2.96	-13	-51.14
776.90	S	-61.74	-62.90	5.19	-4.04	-13	-48.74
1651.00	H	-63.91	-64.03	6.58	-6.46	-13	-50.91
2476.50	H	-51.48	-52.21	8.53	-7.80	-13	-38.48

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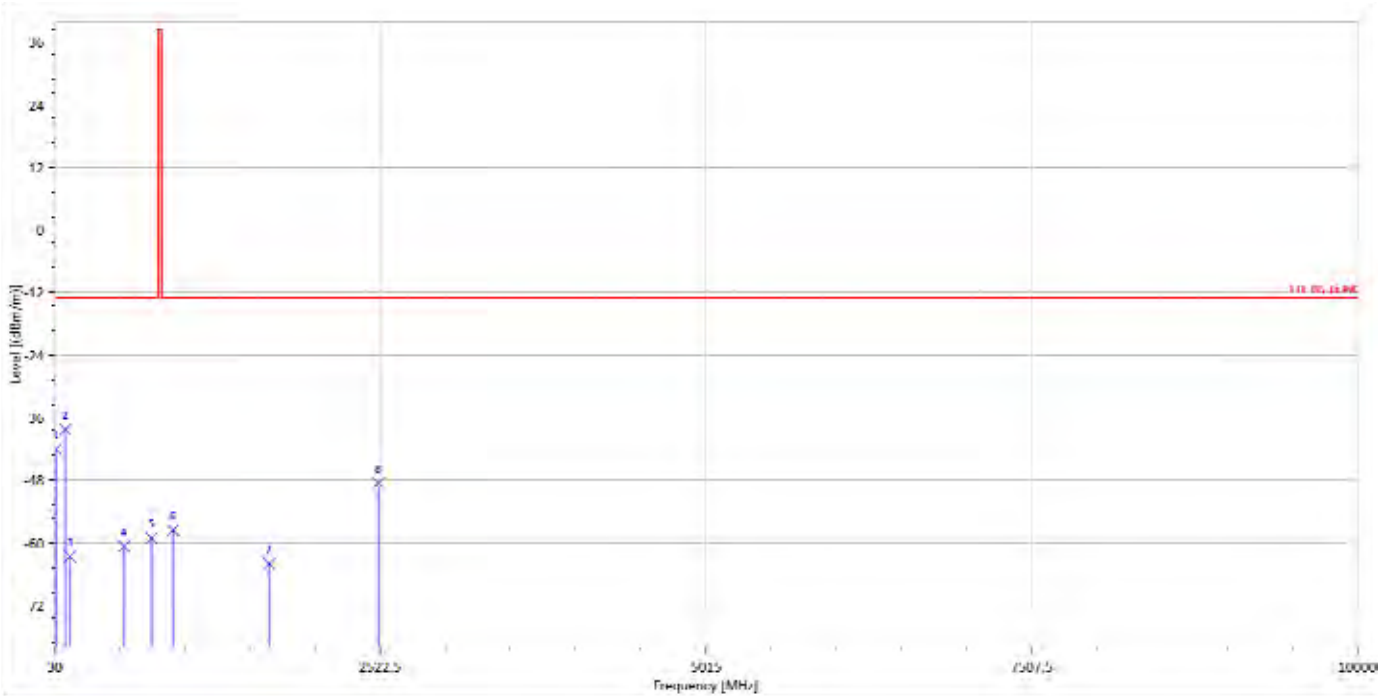
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Operation Mode :	LTEB5 3M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
40.67	S	-42.03	-27.58	-13.59	-0.87	-13	-29.03
111.48	S	-38.28	-33.27	-3.56	-1.46	-13	-25.28
148.34	S	-62.64	-60.97	0.03	-1.70	-13	-49.64
562.53	S	-60.70	-61.32	4.06	-3.44	-13	-47.70
773.02	S	-59.13	-60.29	5.19	-4.02	-13	-46.13
936.95	S	-57.57	-58.45	5.37	-4.49	-13	-44.57
1673.00	H	-63.96	-64.13	6.68	-6.50	-13	-50.96
2509.50	H	-48.57	-49.29	8.56	-7.84	-13	-35.57

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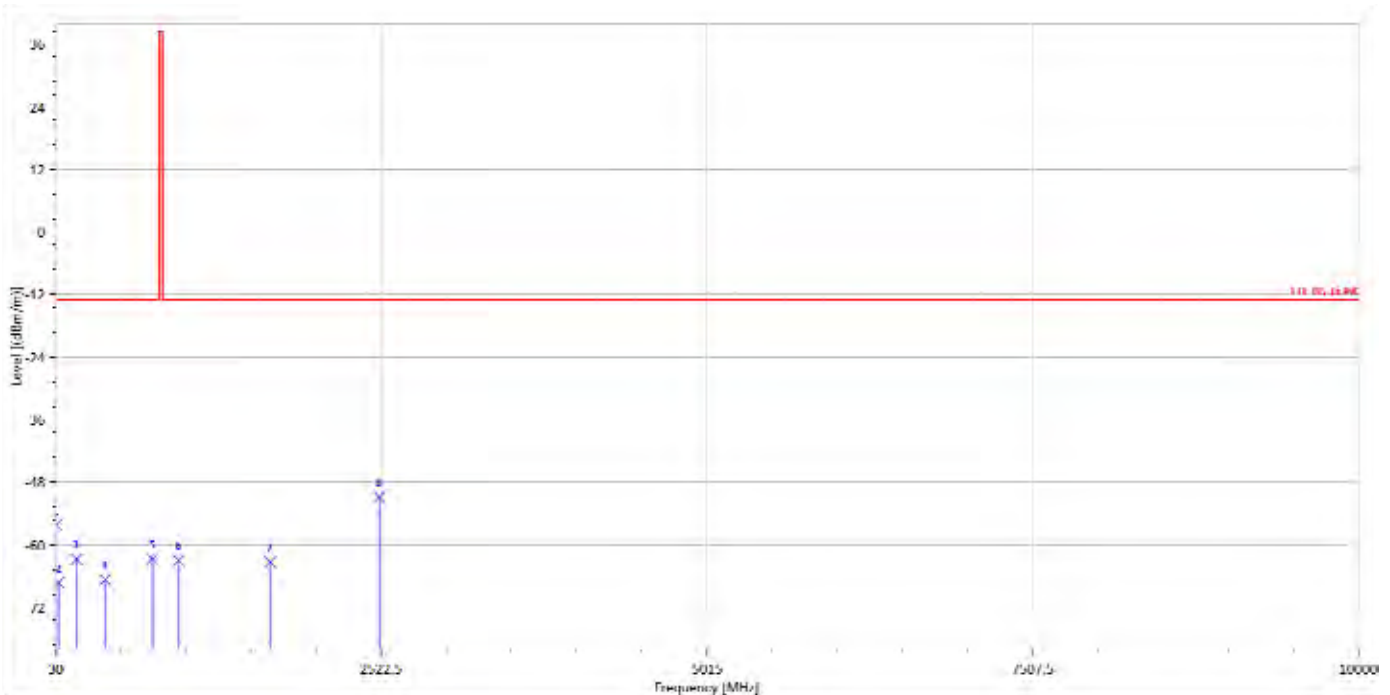
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Operation Mode :	LTEB5 3M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-56.22	-35.41	-19.97	-0.83	-13	-43.22
53.28	S	-67.27	-60.43	-5.85	-0.98	-13	-54.27
191.02	S	-62.77	-64.93	4.10	-1.95	-13	-49.77
409.27	S	-66.69	-67.05	3.28	-2.92	-13	-53.69
773.02	S	-62.69	-63.85	5.19	-4.02	-13	-49.69
972.84	S	-63.00	-63.89	5.48	-4.59	-13	-50.00
1673.00	H	-63.30	-63.47	6.68	-6.50	-13	-50.30
2509.50	H	-50.85	-51.57	8.56	-7.84	-13	-37.85

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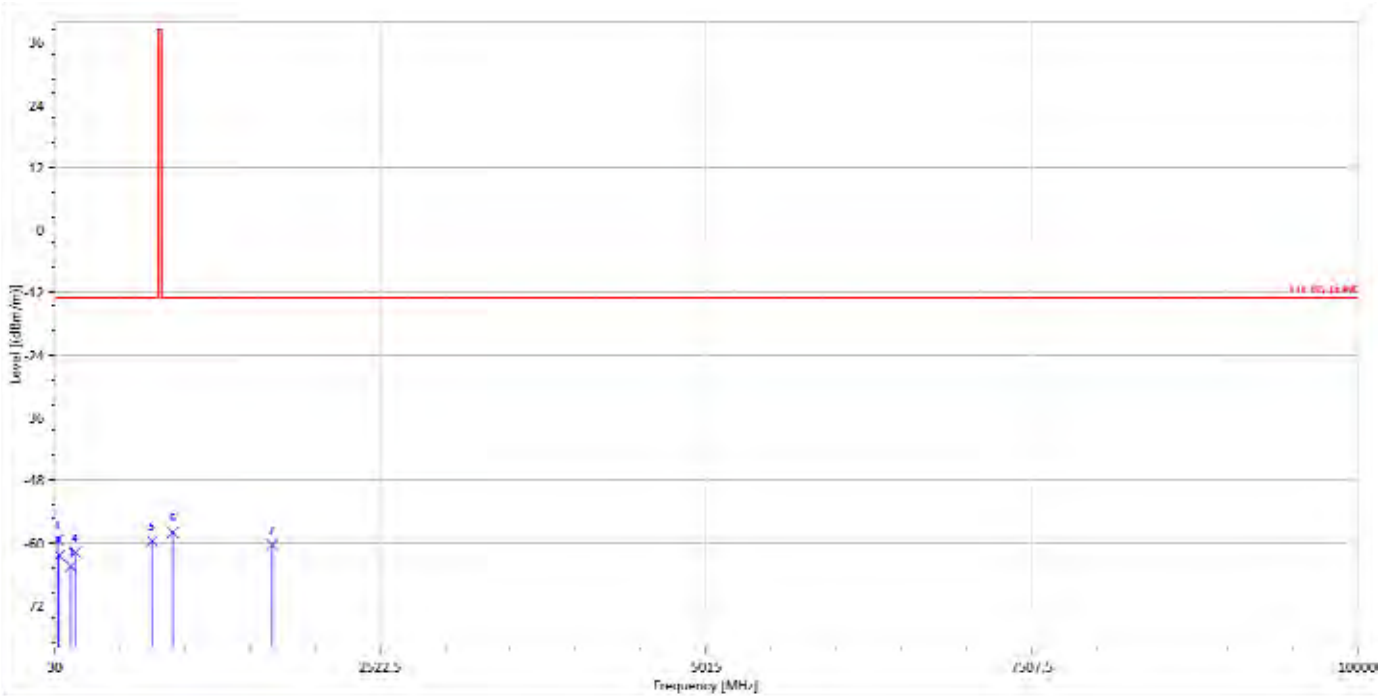
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Operation Mode :	LTEB5 3M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	847.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
54.25	S	-59.38	-52.92	-5.47	-0.99	-13	-46.38
63.95	S	-62.42	-58.64	-2.69	-1.09	-13	-49.42
155.13	S	-64.48	-63.57	0.82	-1.74	-13	-51.48
191.02	S	-61.85	-64.01	4.10	-1.95	-13	-48.85
776.90	S	-59.68	-60.83	5.19	-4.04	-13	-46.68
935.01	S	-58.01	-58.88	5.36	-4.49	-13	-45.01
1695.00	H	-60.40	-60.62	6.77	-6.55	-13	-47.40

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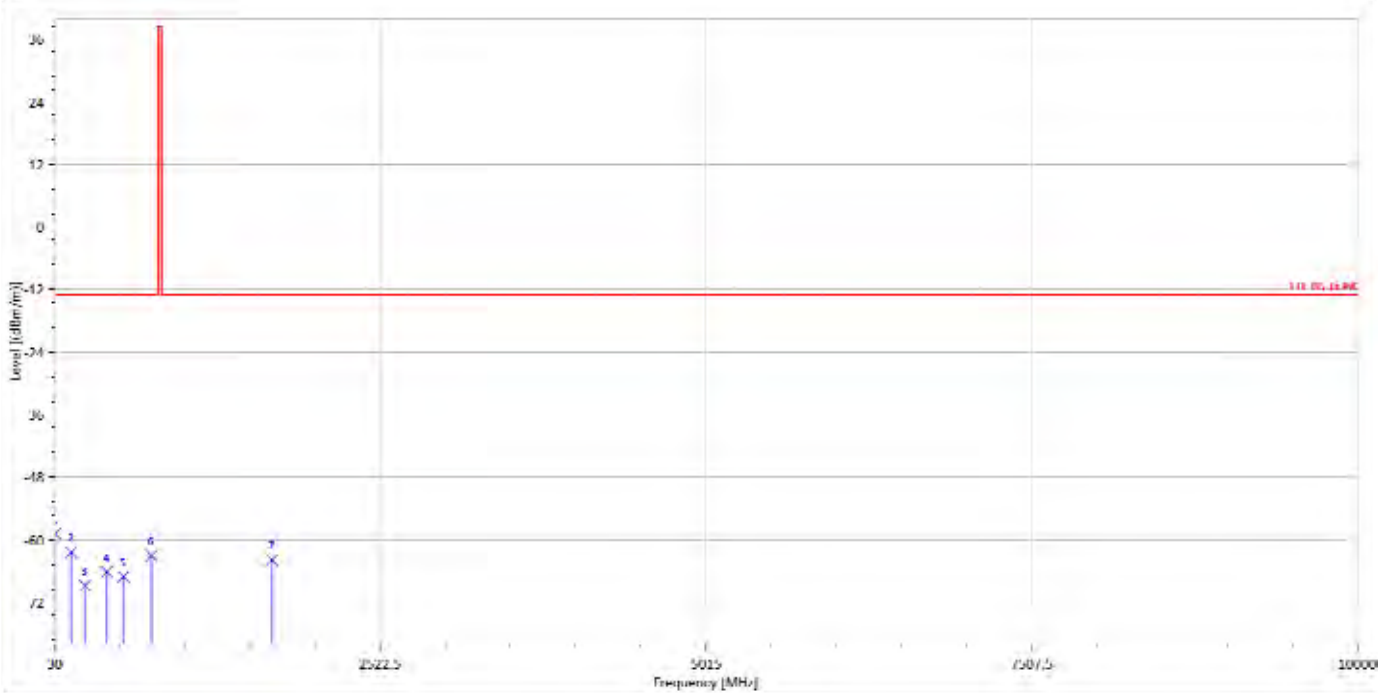
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Operation Mode :	LTEB5 3M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	847.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
34.85	S	-58.81	-39.68	-18.29	-0.84	-13	-45.81
158.04	S	-62.40	-61.77	1.13	-1.76	-13	-49.40
262.80	S	-68.78	-68.82	2.35	-2.31	-13	-55.78
429.64	S	-66.15	-66.62	3.45	-2.98	-13	-53.15
557.68	S	-67.10	-67.70	4.02	-3.43	-13	-54.10
772.05	S	-63.01	-64.18	5.19	-4.02	-13	-50.01
1695.00	H	-63.87	-64.09	6.77	-6.55	-13	-50.87

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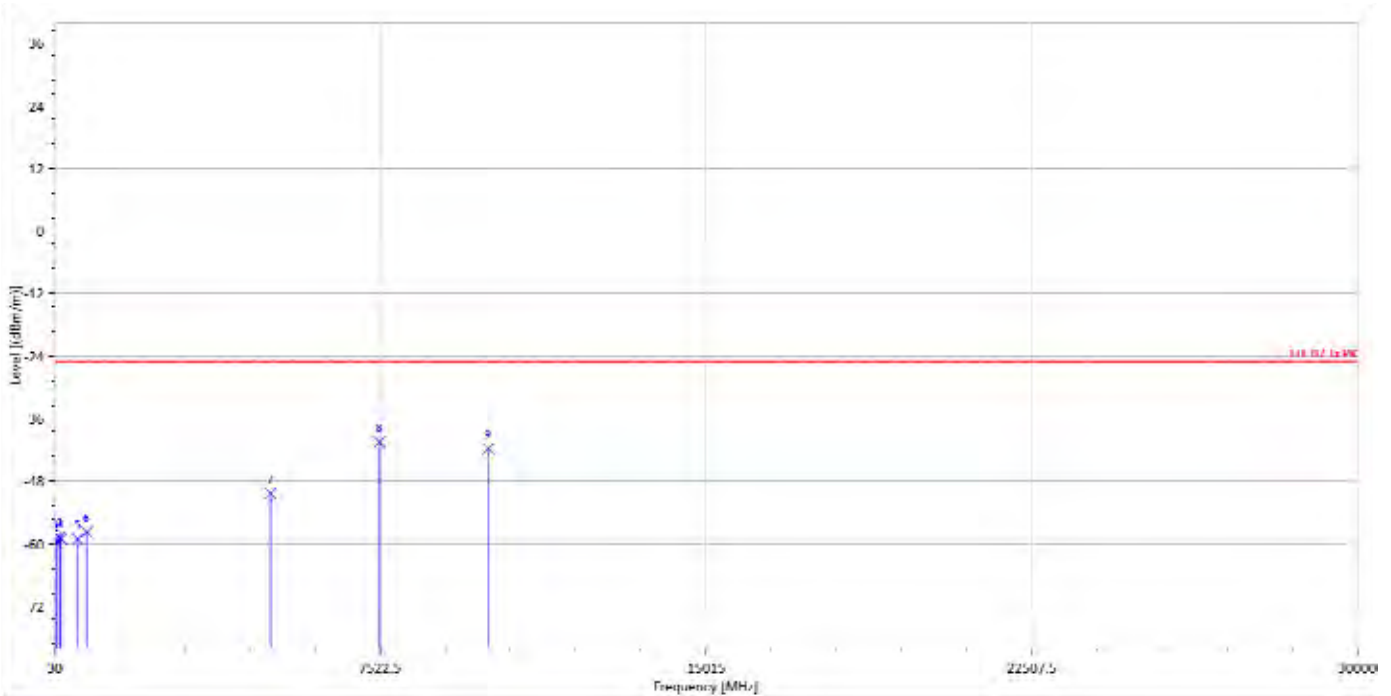
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Radiated Spurious Emission Measurement Result: LTE-Band 7

Operation Mode :	LTEB7 5M 16QAM 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2502.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
56.19	S	-58.93	-55.21	-2.71	-1.01	-25	-33.93
73.65	S	-59.69	-58.76	0.24	-1.17	-25	-34.69
143.49	S	-58.75	-58.37	1.29	-1.67	-25	-33.75
176.47	S	-59.06	-62.23	5.03	-1.86	-25	-34.06
562.53	S	-59.11	-62.30	6.63	-3.44	-25	-34.11
773.02	S	-57.74	-61.45	7.74	-4.02	-25	-32.74
5005.00	H	-50.35	-52.93	12.51	-9.92	-25	-25.35
7507.50	H	-40.51	-40.24	11.30	-11.56	-25	-15.51
10010.00	H	-41.77	-40.51	11.39	-12.66	-25	-16.77

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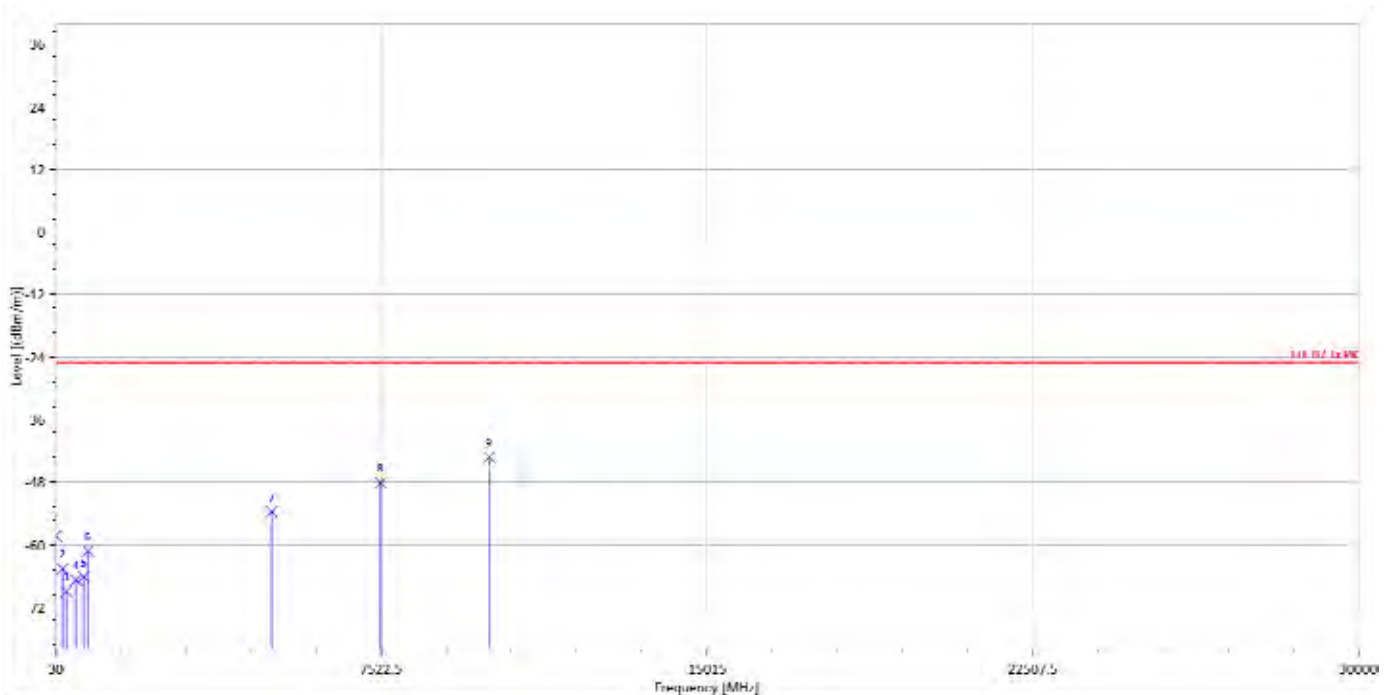
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Operation Mode :	LTEB7 5M 16QAM 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2502.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
34.85	S	-58.30	-41.03	-16.43	-0.84	-25	-33.30
191.99	S	-64.60	-68.51	5.85	-1.95	-25	-39.60
280.26	S	-68.94	-72.21	5.66	-2.38	-25	-43.94
499.48	S	-66.75	-70.01	6.49	-3.23	-25	-41.75
677.96	S	-66.13	-69.84	7.47	-3.76	-25	-41.13
773.02	S	-61.18	-64.89	7.74	-4.02	-25	-36.18
5005.00	H	-53.65	-56.23	12.51	-9.92	-25	-28.65
7507.50	H	-48.11	-47.85	11.30	-11.56	-25	-23.11
10010.00	H	-43.19	-41.92	11.39	-12.66	-25	-18.19

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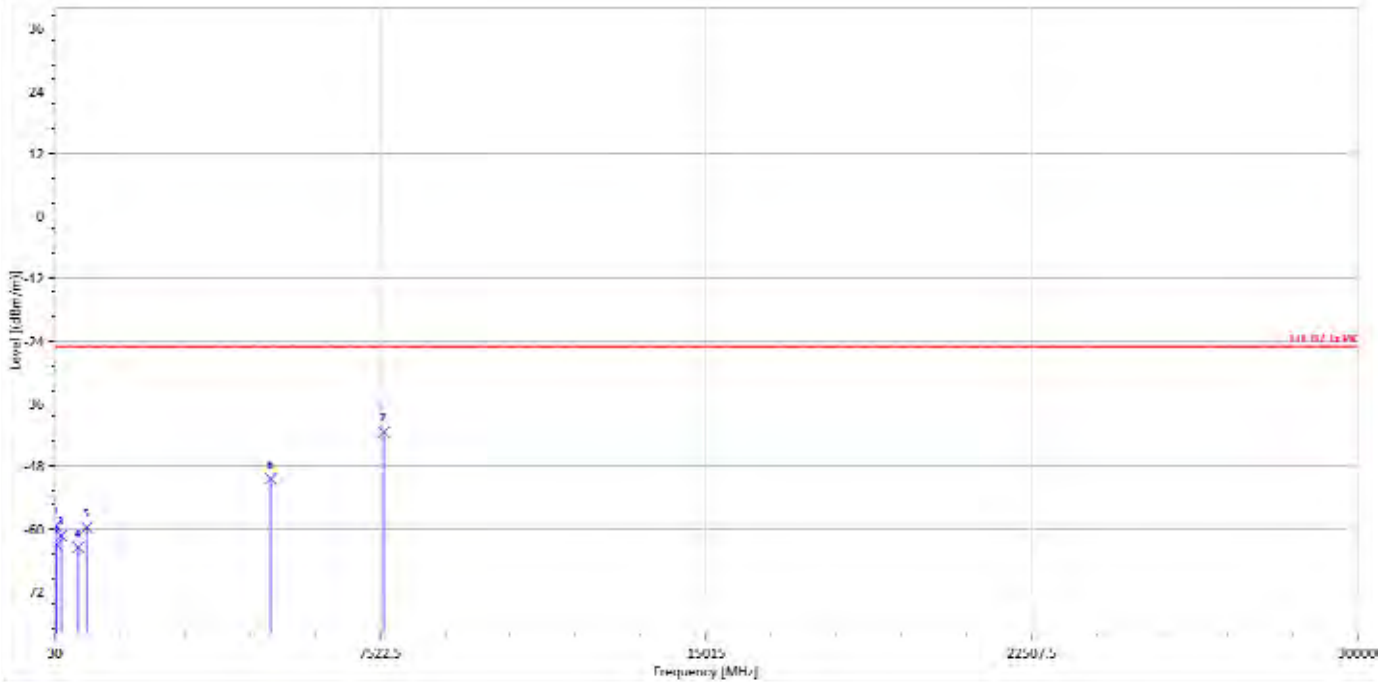
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Operation Mode : LTEB7 5M 16QAM 1.24 Test Date : 2018/2/6
 Fundamental Frequency : 2535 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.50	-54.68	-3.84	-0.98	-25	-34.50
78.50	S	-63.03	-62.24	0.42	-1.21	-25	-38.03
183.26	S	-61.34	-65.01	5.57	-1.90	-25	-36.34
573.20	S	-63.56	-66.82	6.73	-3.47	-25	-38.56
773.02	S	-59.73	-63.44	7.74	-4.02	-25	-34.73
5005.00	H	-50.39	-52.97	12.51	-9.92	-25	-25.39
7605.00	H	-41.42	-41.12	11.30	-11.60	-25	-16.42

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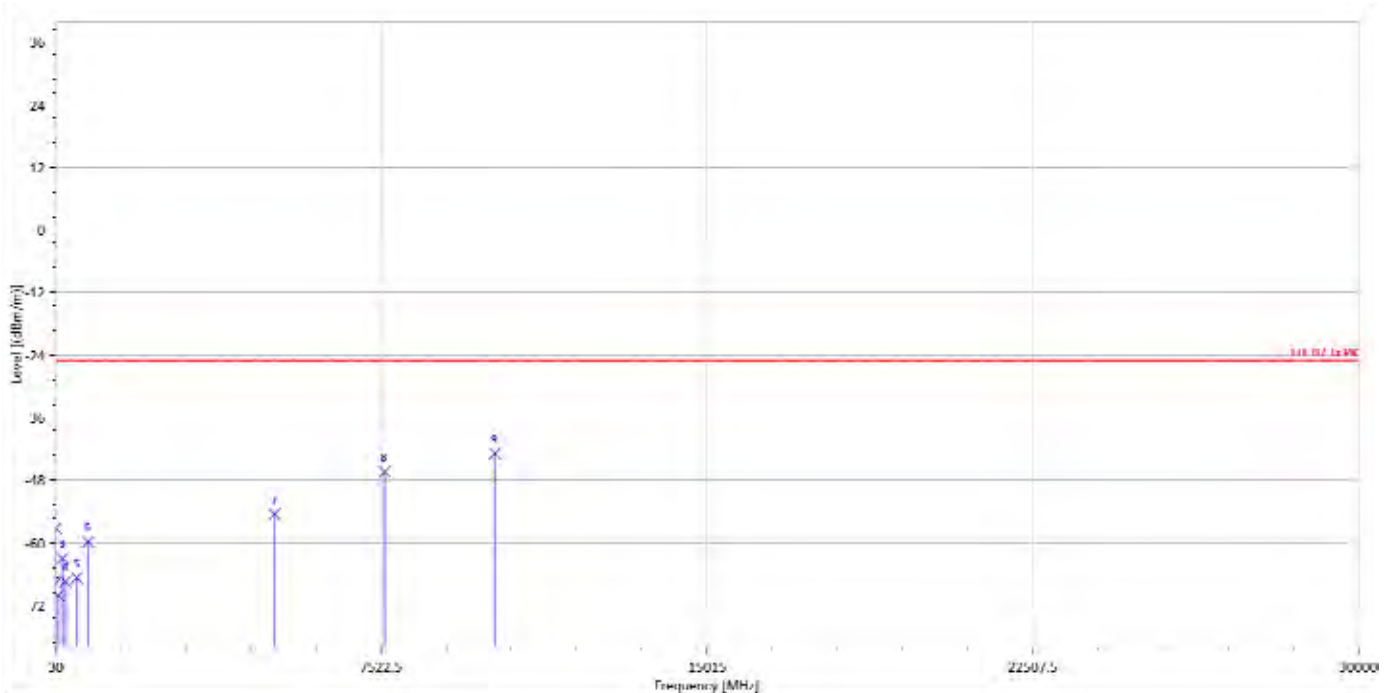
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Operation Mode : LTEB7 5M 16QAM 1.24 Test Date : 2018/2/6
 Fundamental Frequency : 2535 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-57.21	-38.38	-18.00	-0.83	-25	-32.21
89.17	S	-70.06	-68.71	-0.06	-1.29	-25	-45.06
191.99	S	-62.99	-66.90	5.85	-1.95	-25	-37.99
262.80	S	-67.42	-69.85	4.74	-2.31	-25	-42.42
522.76	S	-66.71	-69.89	6.50	-3.32	-25	-41.71
776.90	S	-59.84	-63.54	7.74	-4.04	-25	-34.84
5070.00	H	-54.43	-57.03	12.57	-9.98	-25	-29.43
7605.00	H	-46.39	-46.09	11.30	-11.60	-25	-21.39
10140.00	H	-42.85	-41.43	11.32	-12.73	-25	-17.85

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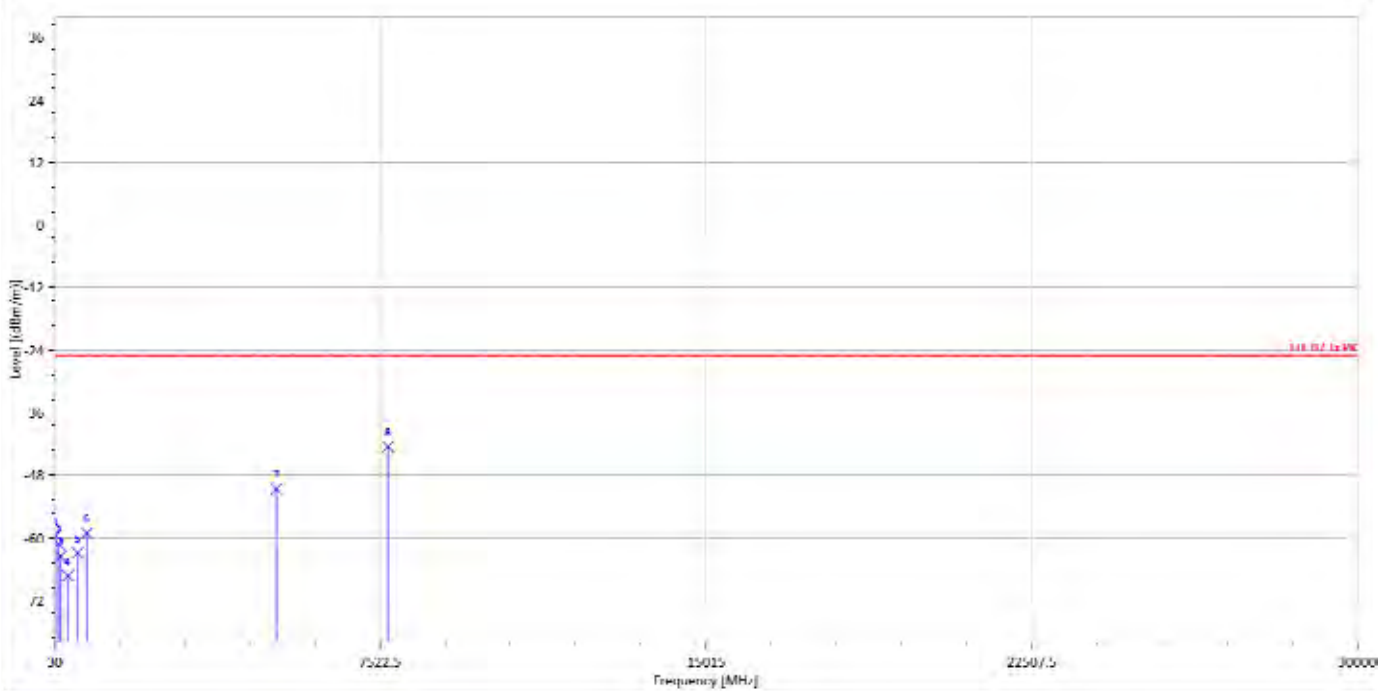
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Operation Mode : LTEB7 5M 16QAM 1.24 Test Date : 2018/2/6
 Fundamental Frequency : 2567.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.54	-54.72	-3.84	-0.98	-25	-34.54
126.03	S	-61.17	-58.89	-0.73	-1.55	-25	-36.17
171.62	S	-63.54	-66.20	4.50	-1.84	-25	-38.54
338.46	S	-67.28	-70.60	5.96	-2.63	-25	-42.28
562.53	S	-62.87	-66.07	6.63	-3.44	-25	-37.87
774.96	S	-59.10	-62.81	7.74	-4.03	-25	-34.10
5135.00	H	-50.60	-53.21	12.64	-10.02	-25	-25.60
7702.50	H	-42.50	-42.16	11.30	-11.64	-25	-17.50

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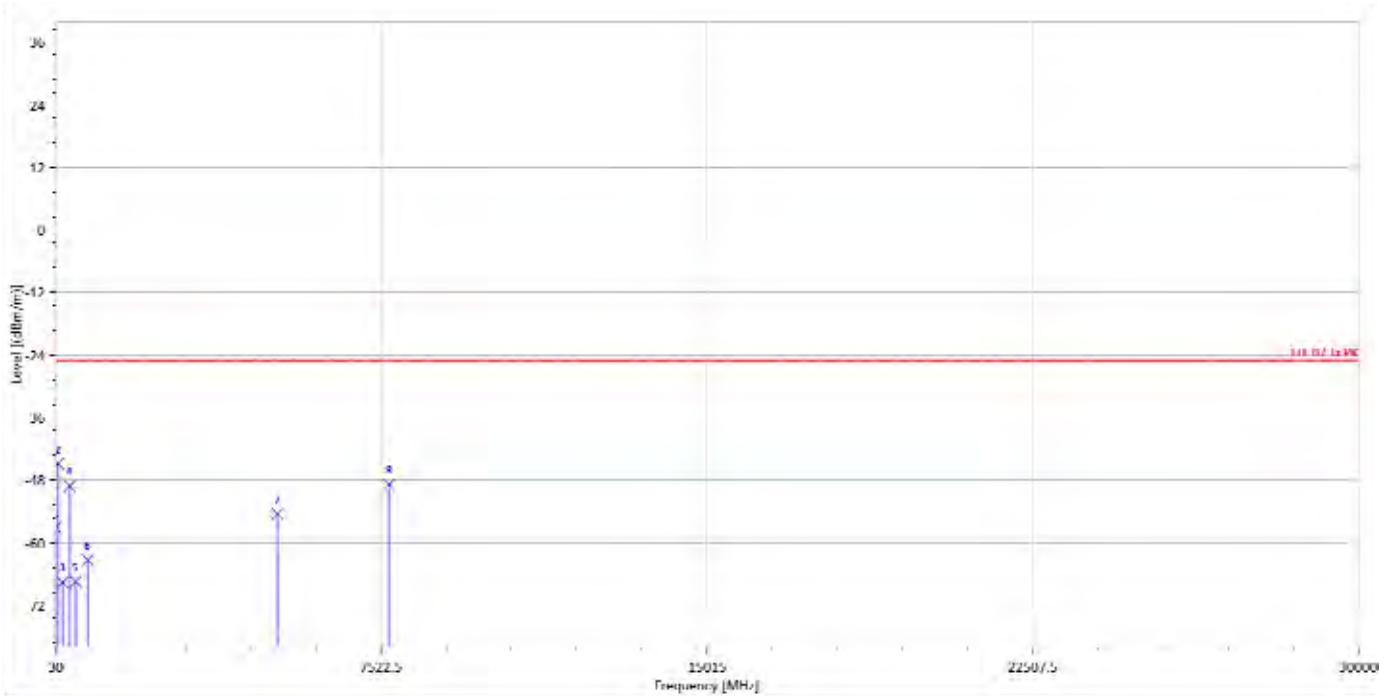
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Operation Mode : LTEB7 5M 16QAM 1.24 Test Date : 2018/2/6
 Fundamental Frequency : 2567.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-57.08	-37.48	-18.78	-0.83	-25	-32.08
88.20	S	-44.81	-43.52	0.00	-1.29	-25	-19.81
191.99	S	-67.59	-71.49	5.85	-1.95	-25	-42.59
355.92	S	-49.10	-52.36	5.96	-2.70	-25	-24.10
493.66	S	-67.42	-70.68	6.46	-3.20	-25	-42.42
772.05	S	-63.32	-67.04	7.74	-4.02	-25	-38.32
5135.00	H	-54.44	-57.05	12.64	-10.02	-25	-29.44
7702.50	H	-48.84	-48.50	11.30	-11.64	-25	-23.84

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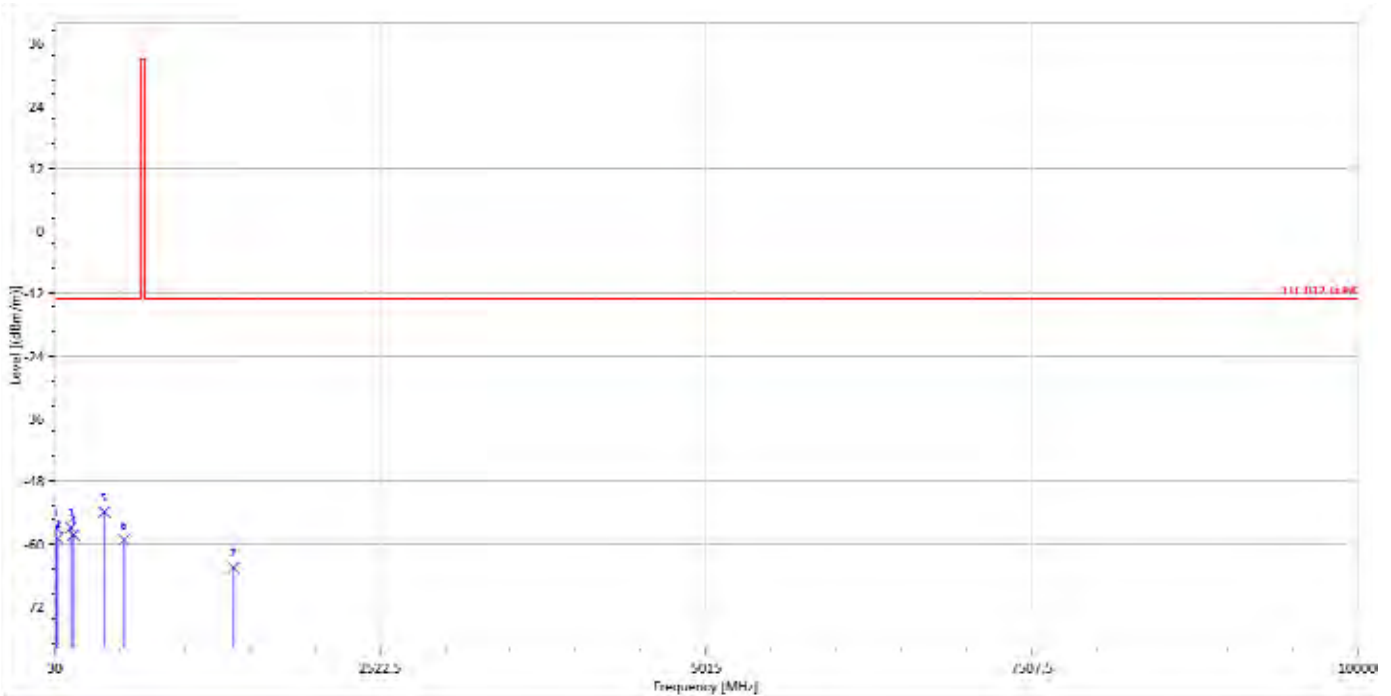
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Radiated Spurious Emission Measurement Result: LTE-Band 12

Operation Mode :	LTEB12 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	699.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
40.67	S	-56.84	-42.39	-13.59	-0.87	-13	-43.84
53.28	S	-58.92	-52.09	-5.85	-0.98	-13	-45.92
157.07	S	-56.86	-56.14	1.03	-1.75	-13	-43.86
175.50	S	-58.31	-59.62	3.18	-1.86	-13	-45.31
411.21	S	-53.92	-54.29	3.29	-2.92	-13	-40.92
562.53	S	-59.22	-59.84	4.06	-3.44	-13	-46.22
1399.40	H	-64.57	-64.13	5.47	-5.90	-13	-51.57

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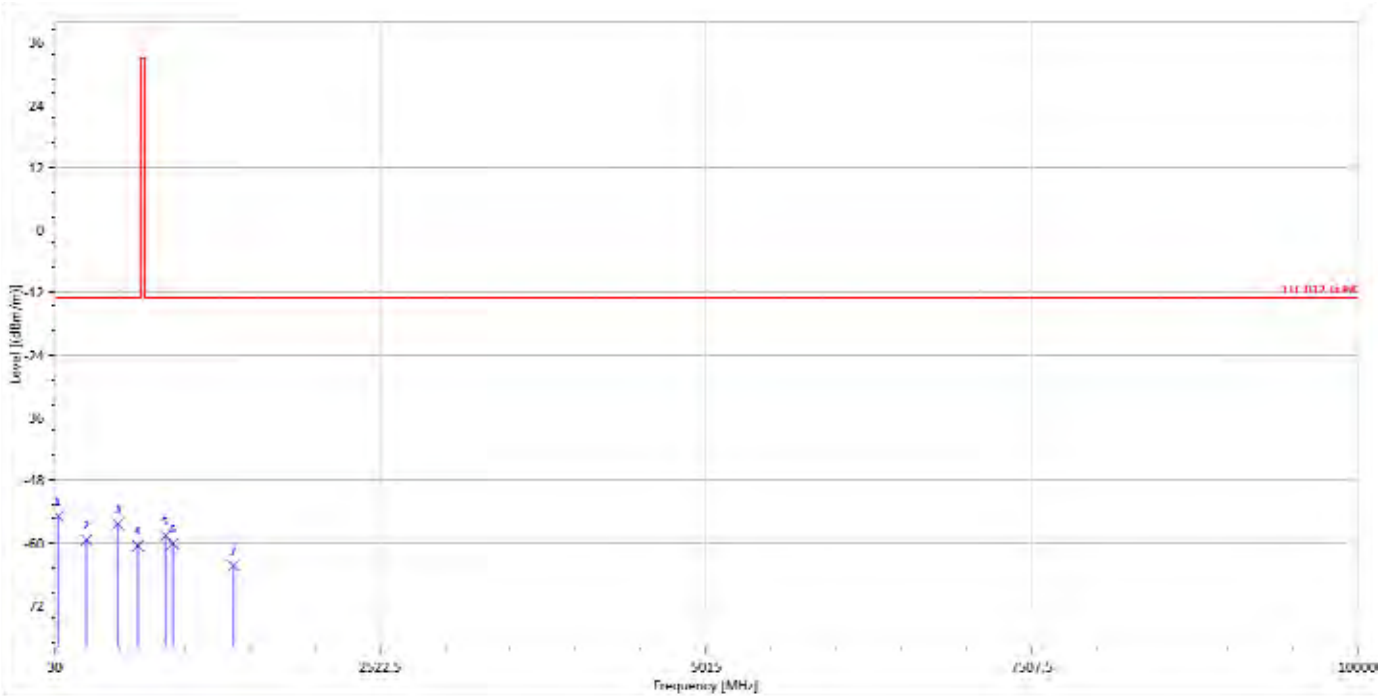
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Operation Mode :	LTEB12 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	699.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
58.13	S	-54.88	-49.93	-3.92	-1.03	-13	-41.88
273.47	S	-59.42	-60.23	3.16	-2.35	-13	-46.42
515.00	S	-56.39	-57.13	4.02	-3.29	-13	-43.39
668.26	S	-60.57	-61.61	4.78	-3.74	-13	-47.57
879.72	S	-58.59	-59.40	5.16	-4.36	-13	-45.59
935.01	S	-60.13	-61.00	5.36	-4.49	-13	-47.13
1399.40	H	-64.39	-63.96	5.47	-5.90	-13	-51.39

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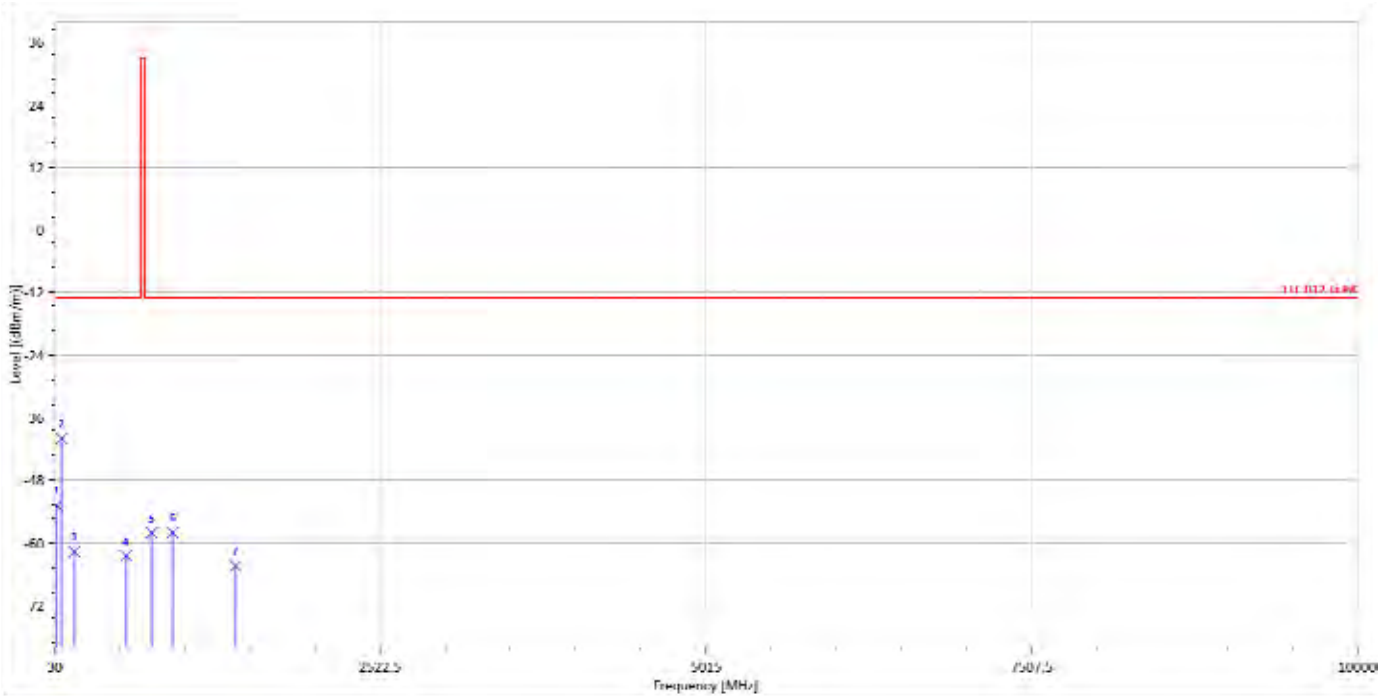
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Operation Mode : LTEB12 1.4M QPSK 1.5 Test Date : 2018/2/6
 Fundamental Frequency : 707.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
46.49	S	-52.85	-42.58	-9.35	-0.92	-13	-39.85
84.32	S	-40.00	-36.82	-1.93	-1.25	-13	-27.00
182.29	S	-61.71	-63.59	3.78	-1.89	-13	-48.71
578.05	S	-62.48	-63.16	4.17	-3.48	-13	-49.48
773.99	S	-58.07	-59.24	5.19	-4.03	-13	-45.07
934.04	S	-58.04	-58.91	5.36	-4.48	-13	-45.04
1415.00	H	-64.44	-64.05	5.54	-5.93	-13	-51.44

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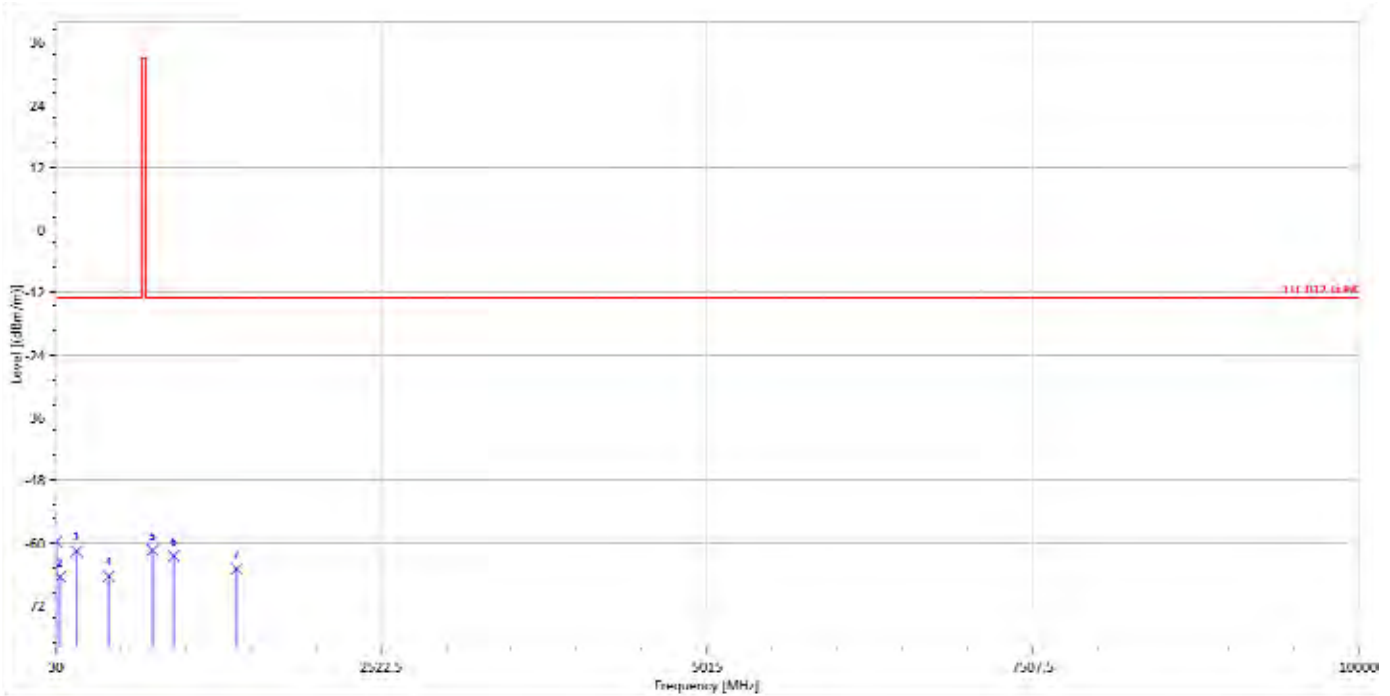
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Operation Mode :	LTEB12 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	707.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
36.79	S	-59.76	-42.20	-16.71	-0.85	-13	-46.76
64.92	S	-66.54	-62.87	-2.57	-1.09	-13	-53.54
191.02	S	-61.64	-63.80	4.10	-1.95	-13	-48.64
437.40	S	-66.44	-66.95	3.51	-3.00	-13	-53.44
773.02	S	-61.46	-62.63	5.19	-4.02	-13	-48.46
935.01	S	-62.53	-63.40	5.36	-4.49	-13	-49.53
1415.00	H	-65.03	-64.64	5.54	-5.93	-13	-52.03

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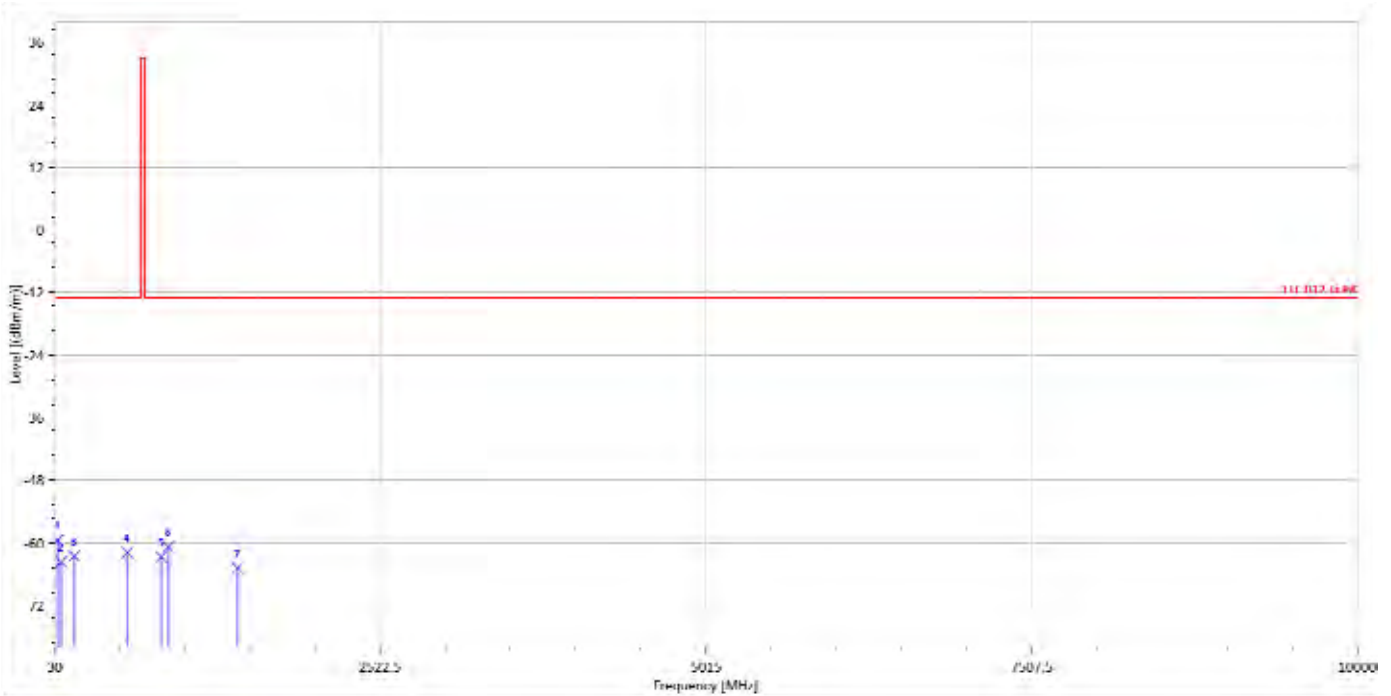
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Operation Mode :	LTEB12 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	715.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq.	Note	EIRP/ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBi/dBd	Loss dB	@3m dBm/m	dB
54.25	S	-59.49	-53.03	-5.47	-0.99	-13	-46.49
81.41	S	-63.71	-60.71	-1.76	-1.23	-13	-50.71
181.32	S	-62.56	-64.40	3.73	-1.89	-13	-49.56
585.81	S	-61.86	-62.56	4.22	-3.51	-13	-48.86
845.77	S	-62.69	-63.50	5.06	-4.26	-13	-49.69
902.03	S	-60.77	-61.60	5.25	-4.41	-13	-47.77
1430.60	H	-64.85	-64.49	5.62	-5.97	-13	-51.85

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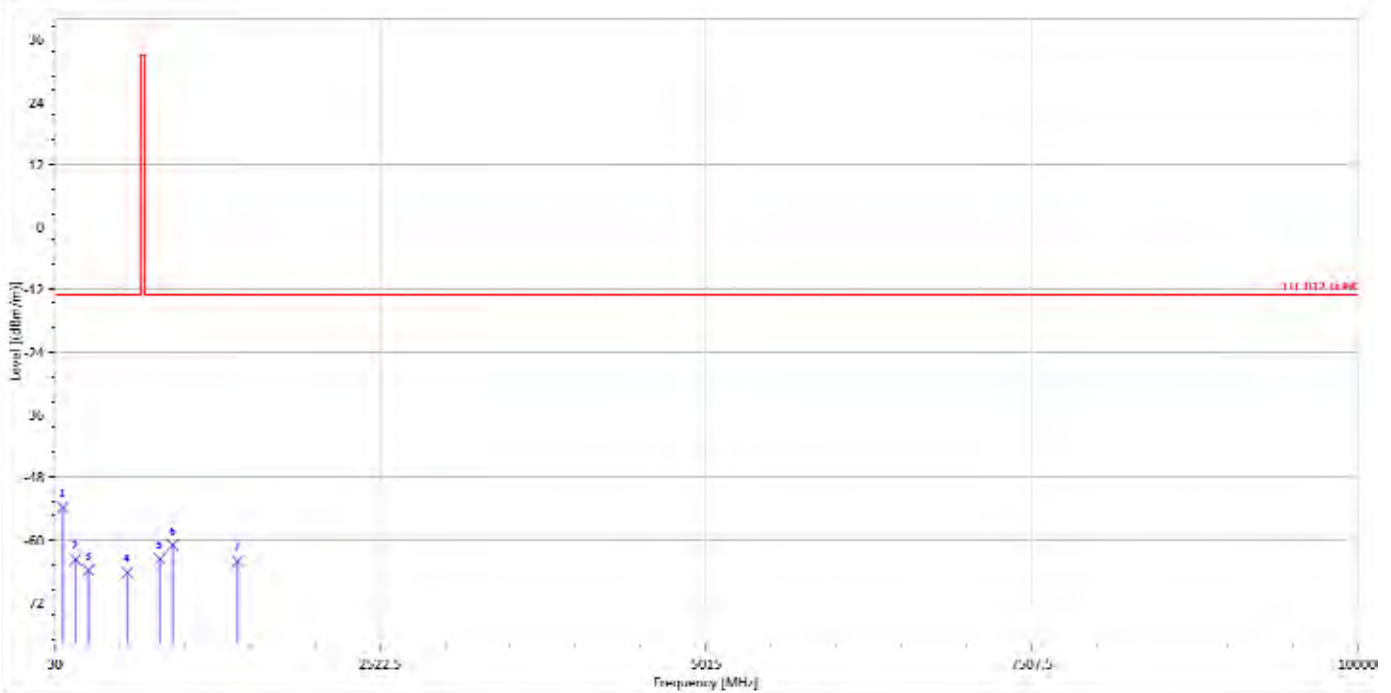
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Operation Mode :	LTEB12 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	715.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
94.02	S	-53.80	-49.78	-2.69	-1.33	-13	-40.80
191.02	S	-63.79	-65.95	4.10	-1.95	-13	-50.79
289.96	S	-65.85	-66.84	3.41	-2.42	-13	-52.85
586.78	S	-66.29	-67.00	4.23	-3.52	-13	-53.29
836.07	S	-63.67	-64.54	5.10	-4.22	-13	-50.67
934.04	S	-61.00	-61.87	5.36	-4.48	-13	-48.00
1430.60	H	-64.10	-63.74	5.62	-5.97	-13	-51.10

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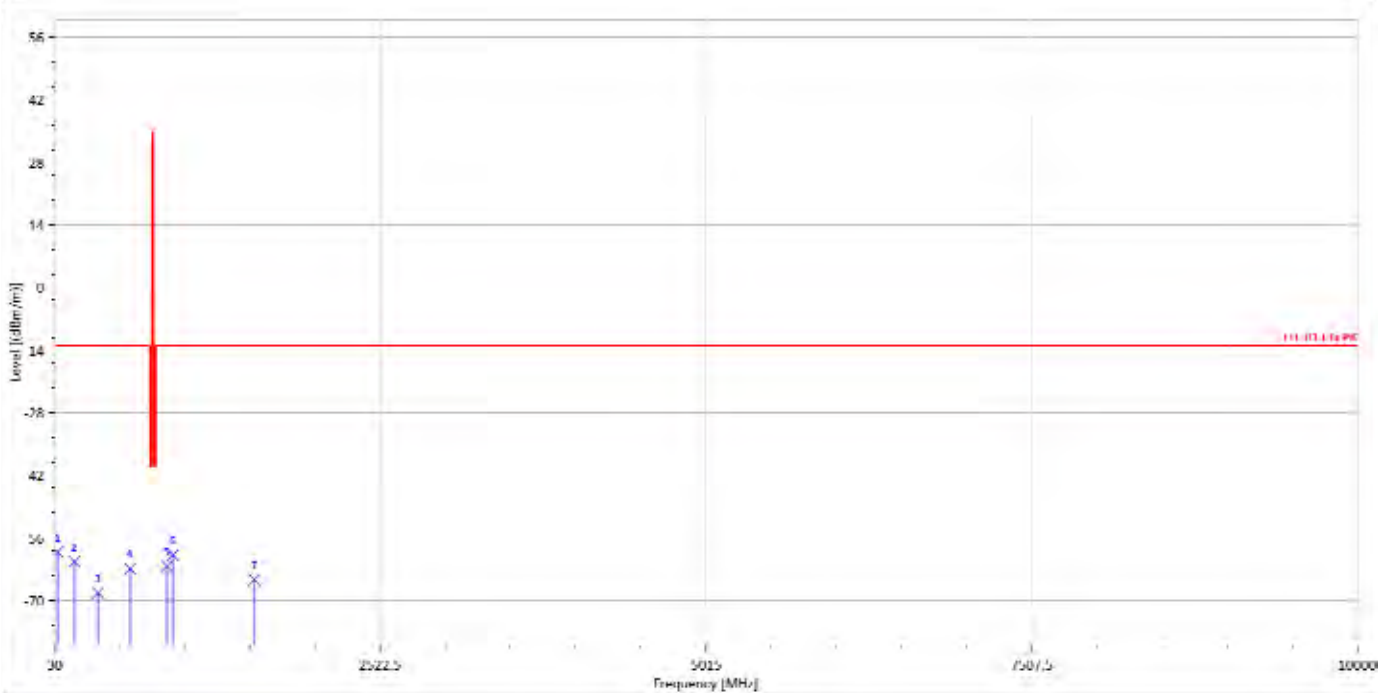
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Radiated Spurious Emission Measurement Result: LTE-Band 13

Operation Mode :	LTEB13 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	19.7deg_C/55RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

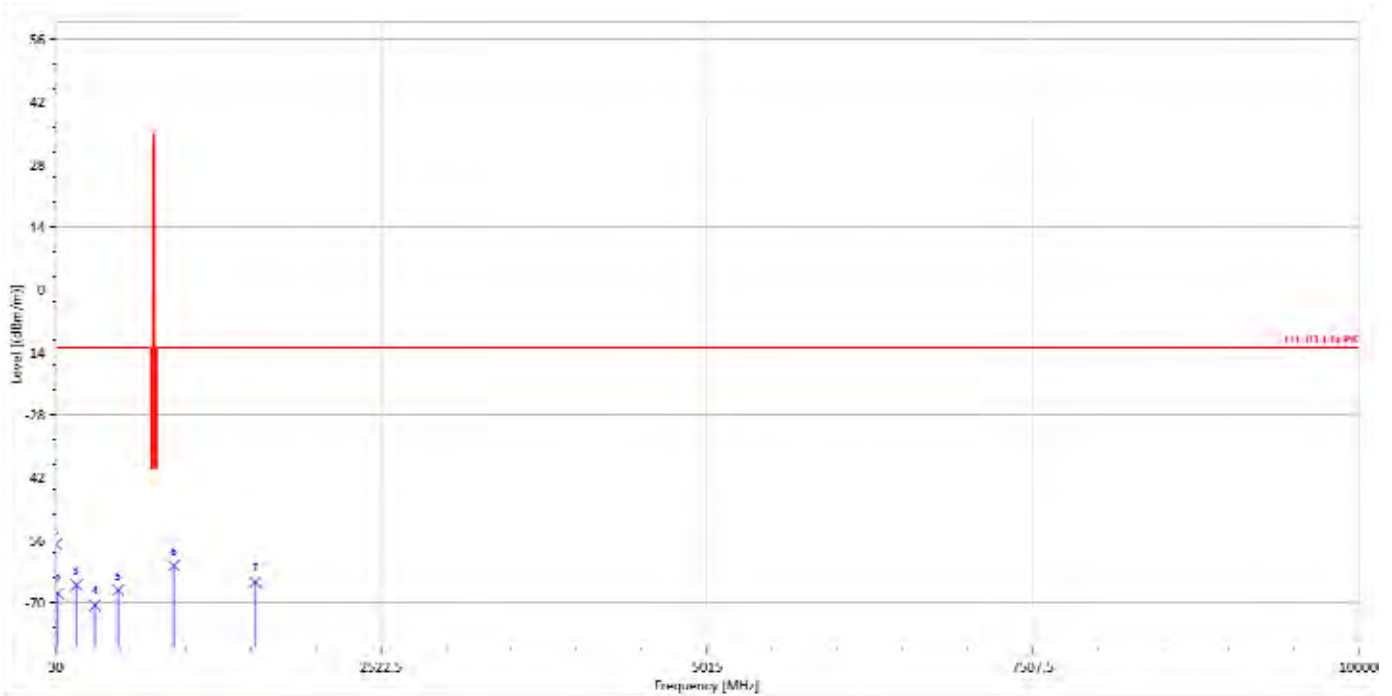


Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
54.25	S	-59.17	-52.71	-5.47	-0.99	-13	-46.17
183.26	S	-61.34	-63.26	3.82	-1.90	-13	-48.34
362.71	S	-68.32	-68.98	3.38	-2.72	-13	-55.32
609.09	S	-62.92	-63.70	4.37	-3.60	-13	-49.92
890.39	S	-62.33	-63.14	5.20	-4.39	-13	-49.33
935.98	S	-59.83	-60.71	5.36	-4.49	-13	-46.83
1559.00	H	-65.35	-65.29	6.20	-6.26	-13	-52.35

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Operation Mode :	LTEB13 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	19.7deg_C/55RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.96	-35.31	-20.82	-0.83	-13	-43.96
46.49	S	-68.00	-57.73	-9.35	-0.92	-13	-55.00
190.05	S	-66.11	-68.31	4.14	-1.94	-13	-53.11
331.67	S	-70.65	-71.50	3.46	-2.61	-13	-57.65
510.15	S	-67.26	-68.03	4.03	-3.26	-13	-54.26
935.01	S	-61.80	-62.68	5.36	-4.49	-13	-48.80
1559.00	H	-65.49	-65.43	6.20	-6.26	-13	-52.49

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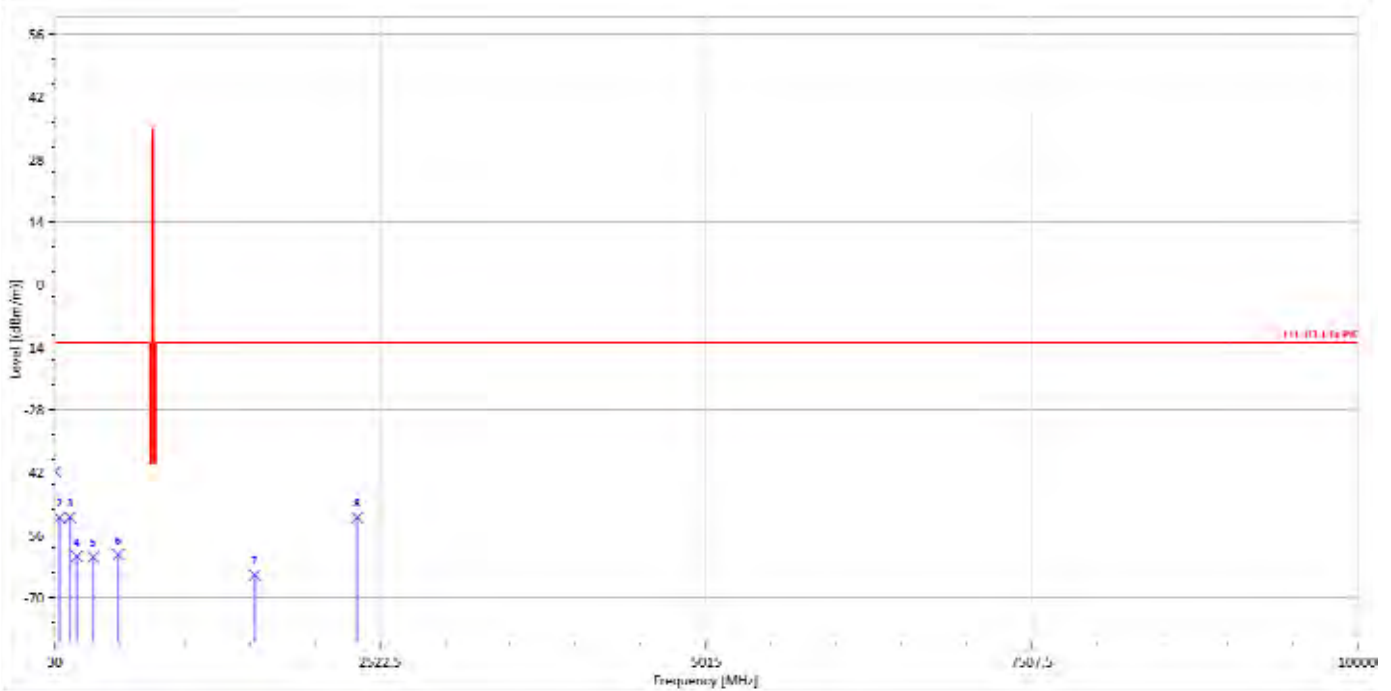
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 782 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-41.83	-21.86	-19.13	-0.84	-13	-28.83
66.86	S	-52.15	-48.71	-2.33	-1.11	-13	-39.15
148.34	S	-52.11	-50.44	0.03	-1.70	-13	-39.11
200.72	S	-60.81	-62.62	3.80	-1.99	-13	-47.81
325.85	S	-60.99	-61.88	3.47	-2.58	-13	-47.99
516.94	S	-60.46	-61.18	4.02	-3.29	-13	-47.46
1564.00	H	-64.99	-64.93	6.22	-6.27	-13	-51.99
2346.00	H	-52.13	-52.89	8.40	-7.64	-13	-39.13

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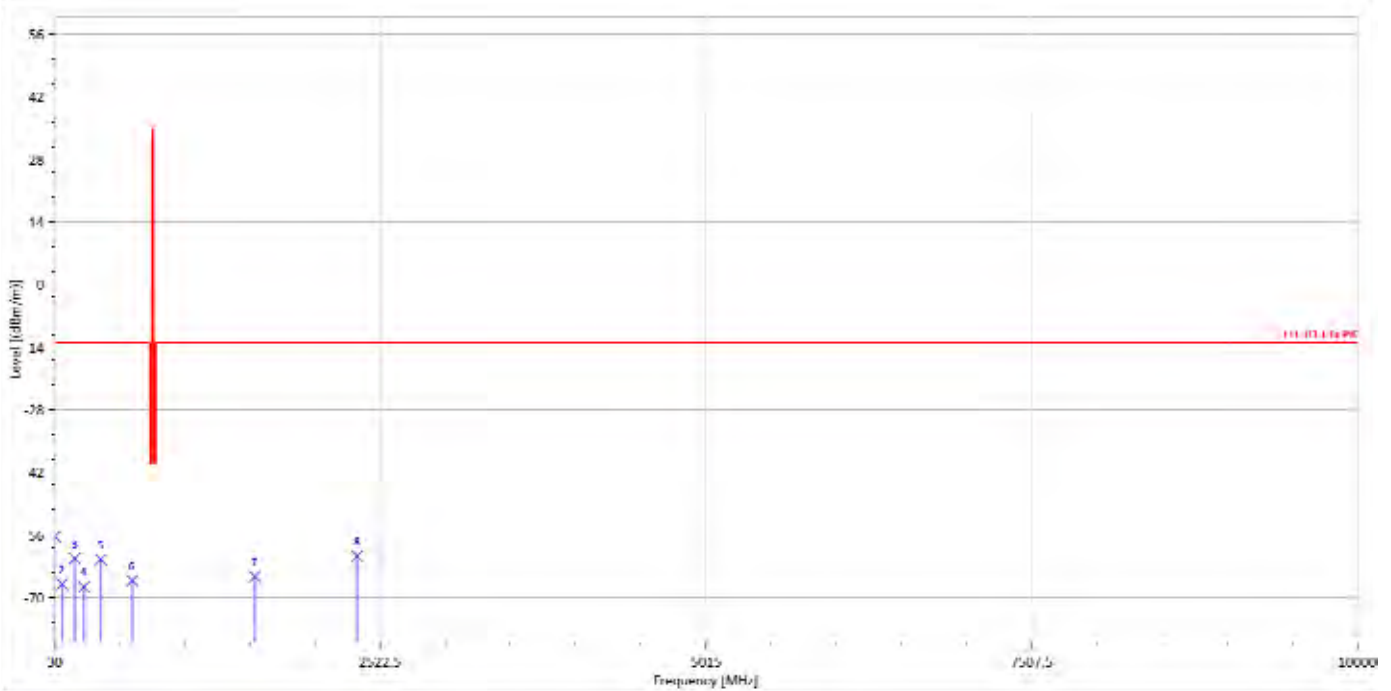
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 782 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.39	-34.75	-20.82	-0.83	-13	-43.39
88.20	S	-67.04	-63.60	-2.16	-1.29	-13	-54.04
185.20	S	-61.29	-63.29	3.91	-1.91	-13	-48.29
255.04	S	-67.67	-67.83	2.44	-2.28	-13	-54.67
384.05	S	-61.53	-62.00	3.28	-2.81	-13	-48.53
624.61	S	-66.22	-67.05	4.47	-3.64	-13	-53.22
1564.00	H	-65.35	-65.30	6.22	-6.27	-13	-52.35
2346.00	H	-60.76	-61.51	8.40	-7.64	-13	-47.76

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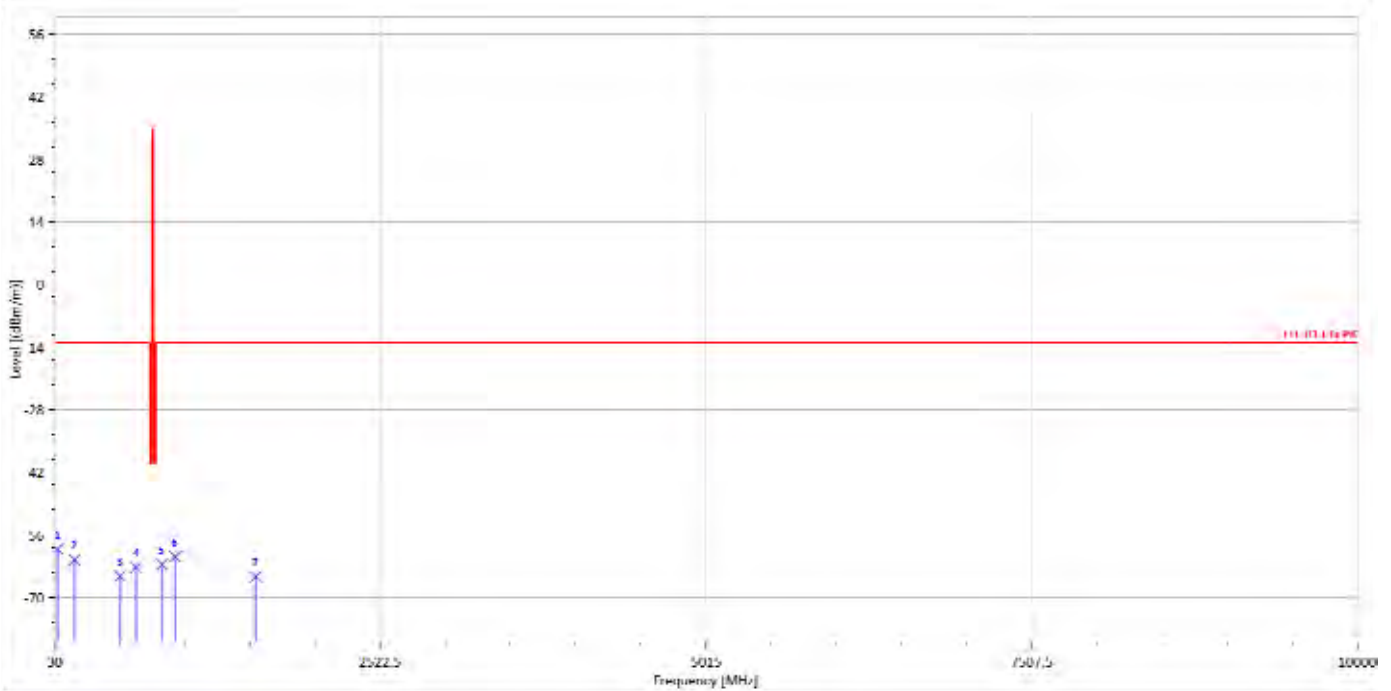
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 784.5 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.22	-52.39	-5.85	-0.98	-13	-46.22
183.26	S	-61.59	-63.51	3.82	-1.90	-13	-48.59
532.46	S	-65.25	-65.89	3.99	-3.36	-13	-52.25
654.68	S	-63.22	-64.17	4.66	-3.71	-13	-50.22
852.56	S	-62.63	-63.41	5.06	-4.28	-13	-49.63
953.44	S	-60.86	-61.75	5.42	-4.53	-13	-47.86
1569.00	H	-65.37	-65.33	6.24	-6.28	-13	-52.37

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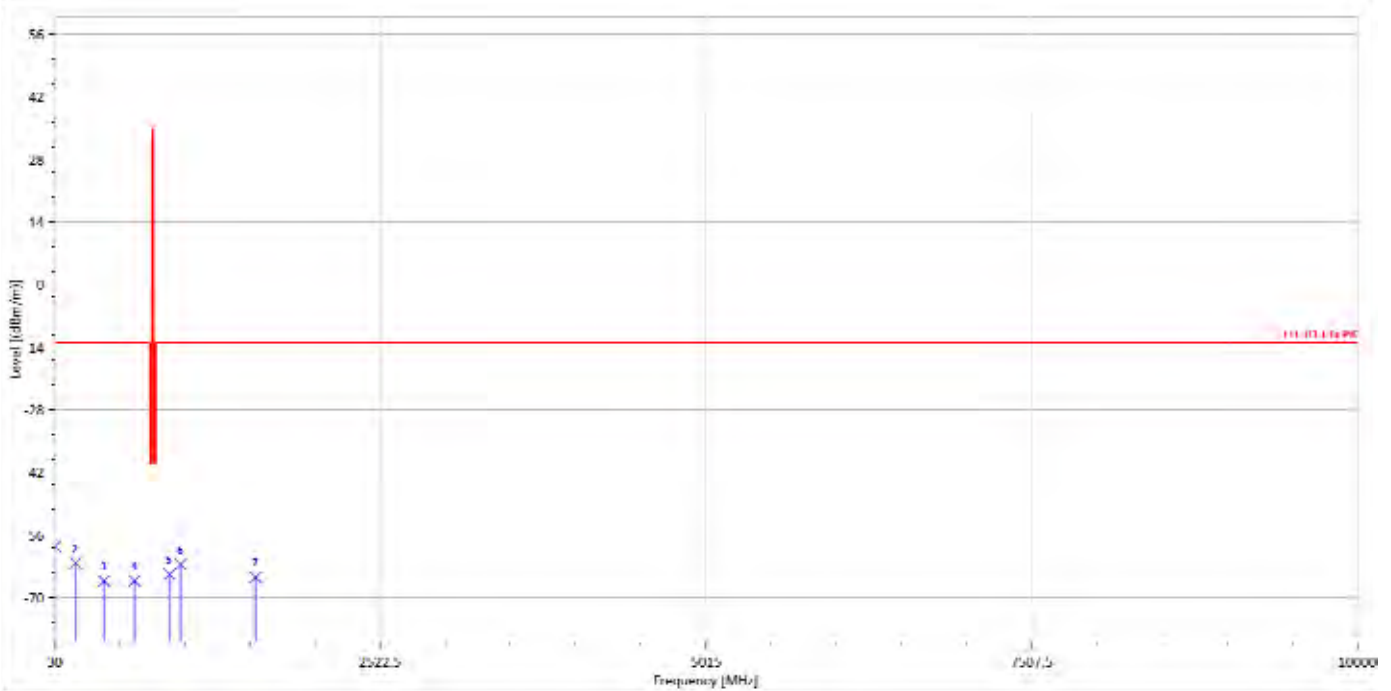
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 784.5 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
34.85	S	-58.57	-39.44	-18.29	-0.84	-13	-45.57
191.02	S	-62.32	-64.48	4.10	-1.95	-13	-49.32
409.27	S	-66.32	-66.68	3.28	-2.92	-13	-53.32
642.07	S	-66.26	-67.16	4.57	-3.68	-13	-53.26
909.79	S	-64.80	-65.64	5.27	-4.43	-13	-51.80
995.15	S	-62.61	-63.52	5.55	-4.64	-13	-49.61
1569.00	H	-65.52	-65.48	6.24	-6.28	-13	-52.52

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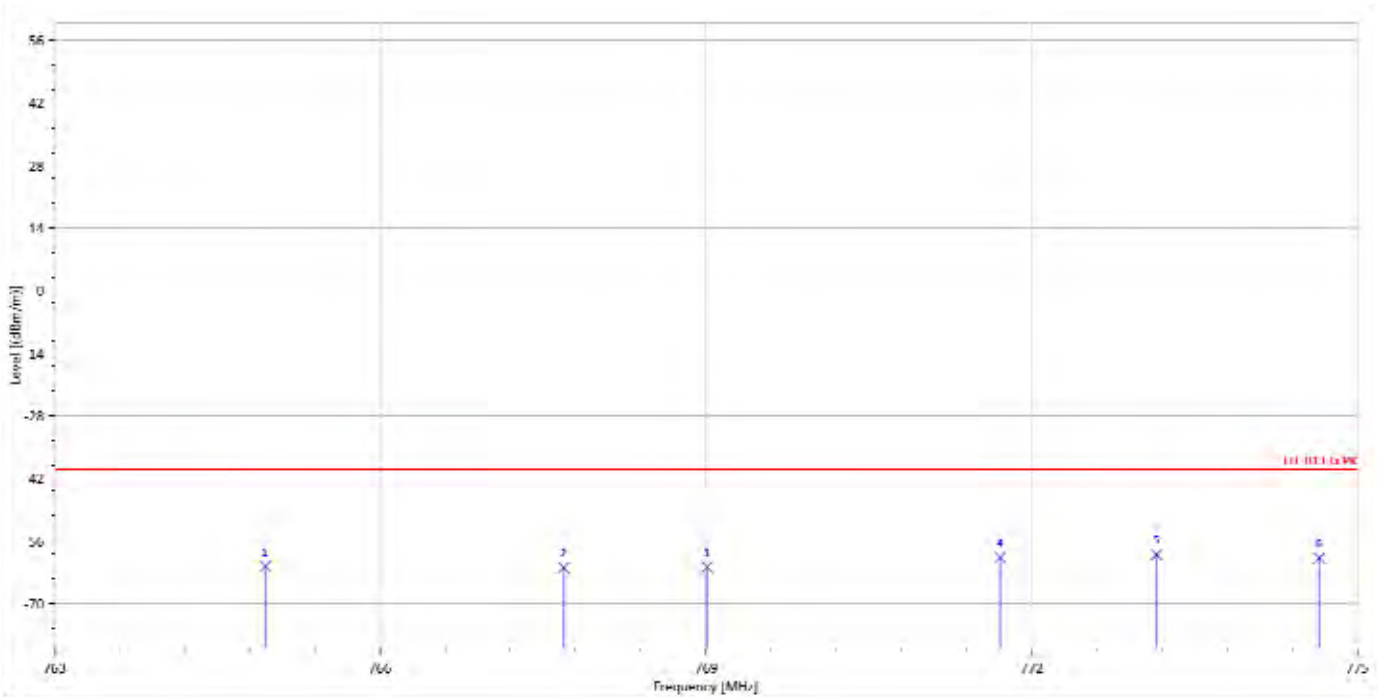
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Radiated Spurious Emission Measurement Result: LTE-Band 13 (inband measurement 763~775MHz)

Operation Mode :	LTEB13 5M 16QAM 1.0	Test Date :	2018/2/3
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	19.7deg_C/55RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
764.94	S	-61.69	-62.87	5.18	-3.99	-40	-21.69
767.69	S	-62.00	-63.18	5.18	-4.00	-40	-22.00
769.01	S	-61.91	-63.08	5.18	-4.01	-40	-21.91
771.71	S	-59.73	-60.90	5.19	-4.02	-40	-19.73
773.15	S	-59.09	-60.25	5.19	-4.02	-40	-19.09
774.65	S	-59.86	-61.02	5.19	-4.03	-40	-19.86

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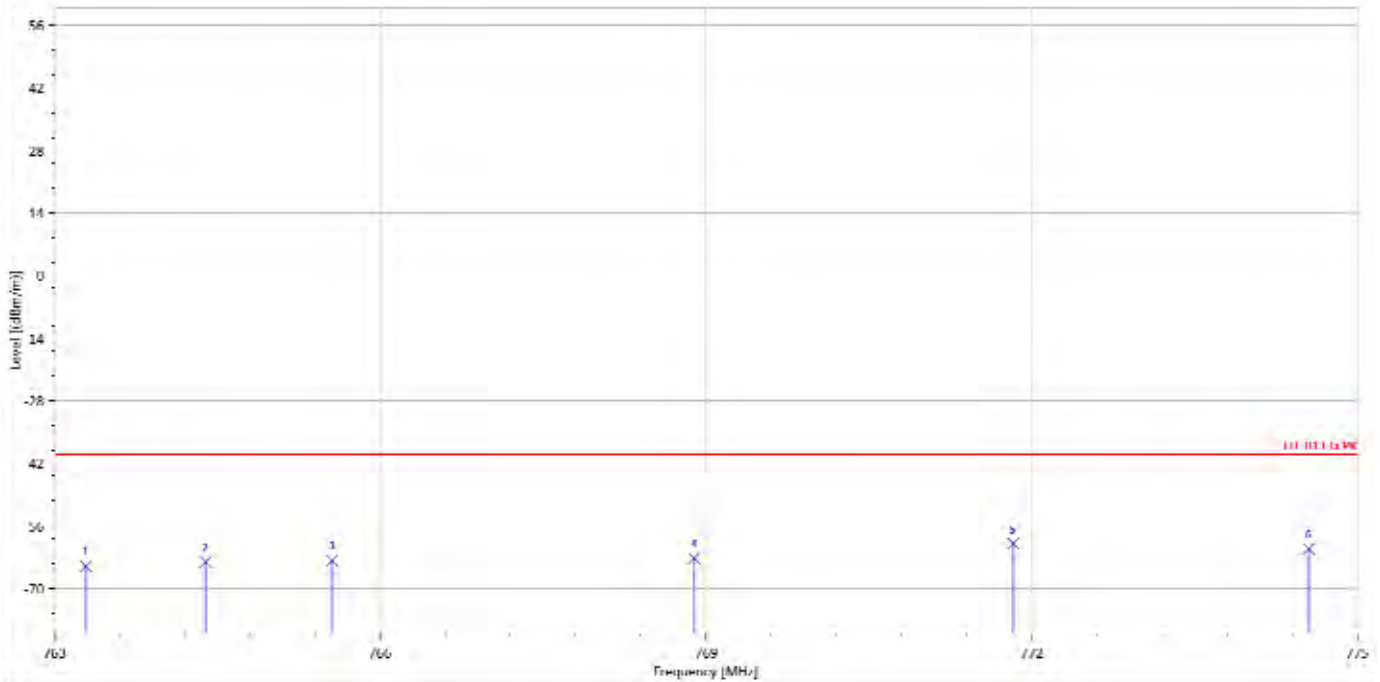
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Operation Mode :	LTEB13 5M 16QAM 1.0	Test Date :	2018/2/3
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	19.7deg_C/55RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
763.29	S	-65.07	-66.26	5.18	-3.98	-40	-25.07
764.39	S	-64.09	-65.28	5.18	-3.99	-40	-24.09
765.56	S	-63.76	-64.94	5.18	-3.99	-40	-23.76
768.89	S	-63.24	-64.42	5.18	-4.01	-40	-23.24
771.83	S	-59.96	-61.13	5.19	-4.02	-40	-19.96
774.56	S	-61.13	-62.29	5.19	-4.03	-40	-21.13

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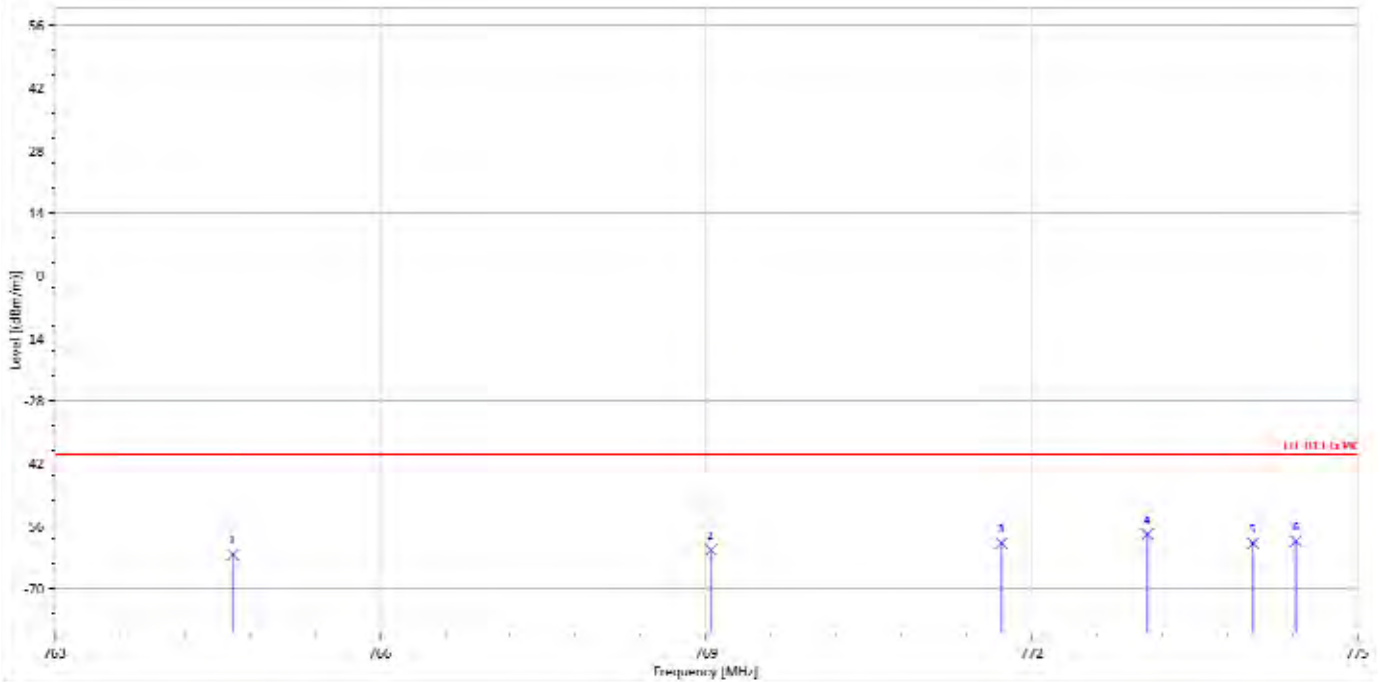
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/3
 Fundamental Frequency : 782 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
764.64	S	-62.44	-63.63	5.18	-3.99	-40	-22.44
769.05	S	-61.38	-62.56	5.18	-4.01	-40	-21.38
771.72	S	-59.88	-61.05	5.19	-4.02	-40	-19.88
773.07	S	-57.91	-59.07	5.19	-4.02	-40	-17.91
774.04	S	-59.95	-61.12	5.19	-4.03	-40	-19.95
774.44	S	-59.37	-60.53	5.19	-4.03	-40	-19.37

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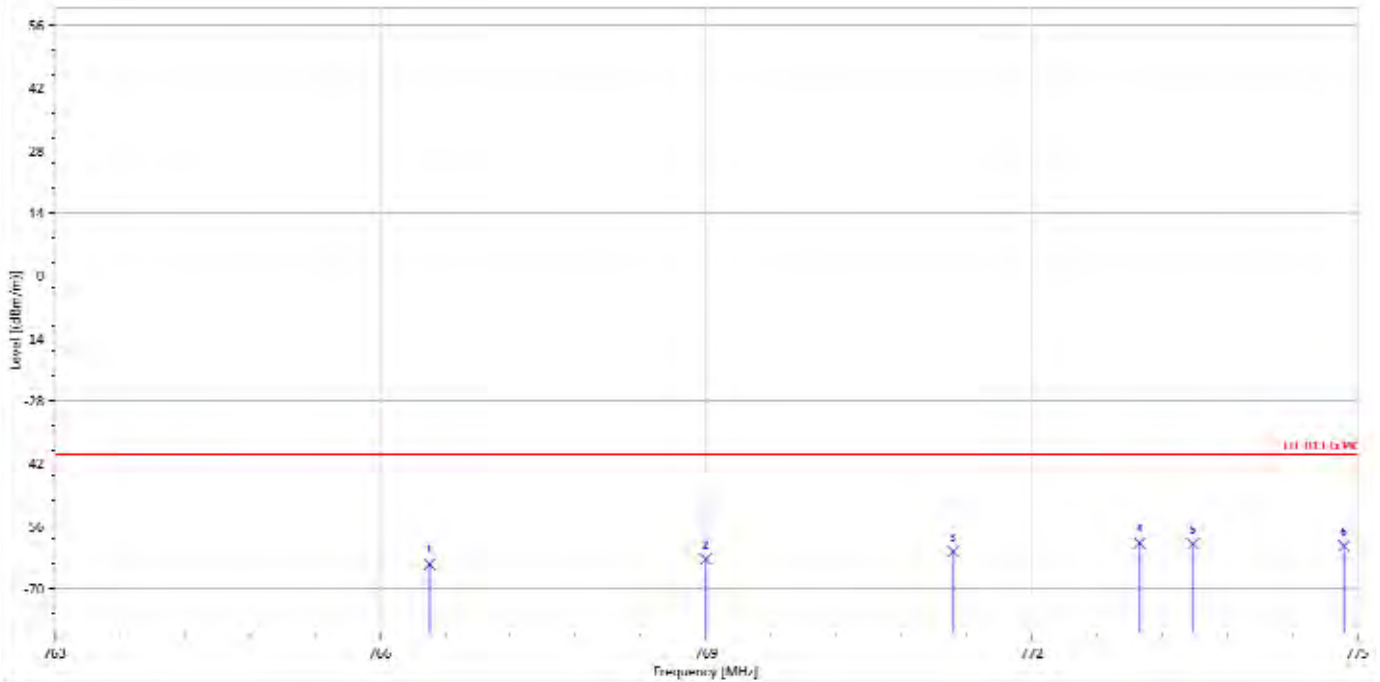
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/3
 Fundamental Frequency : 782 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
766.46	S	-64.60	-65.79	5.18	-4.00	-40	-24.60
769.00	S	-63.46	-64.64	5.18	-4.01	-40	-23.46
771.28	S	-61.74	-62.91	5.19	-4.02	-40	-21.74
773.00	S	-59.89	-61.05	5.19	-4.02	-40	-19.89
773.49	S	-60.03	-61.20	5.19	-4.02	-40	-20.03
774.88	S	-60.51	-61.67	5.19	-4.03	-40	-20.51

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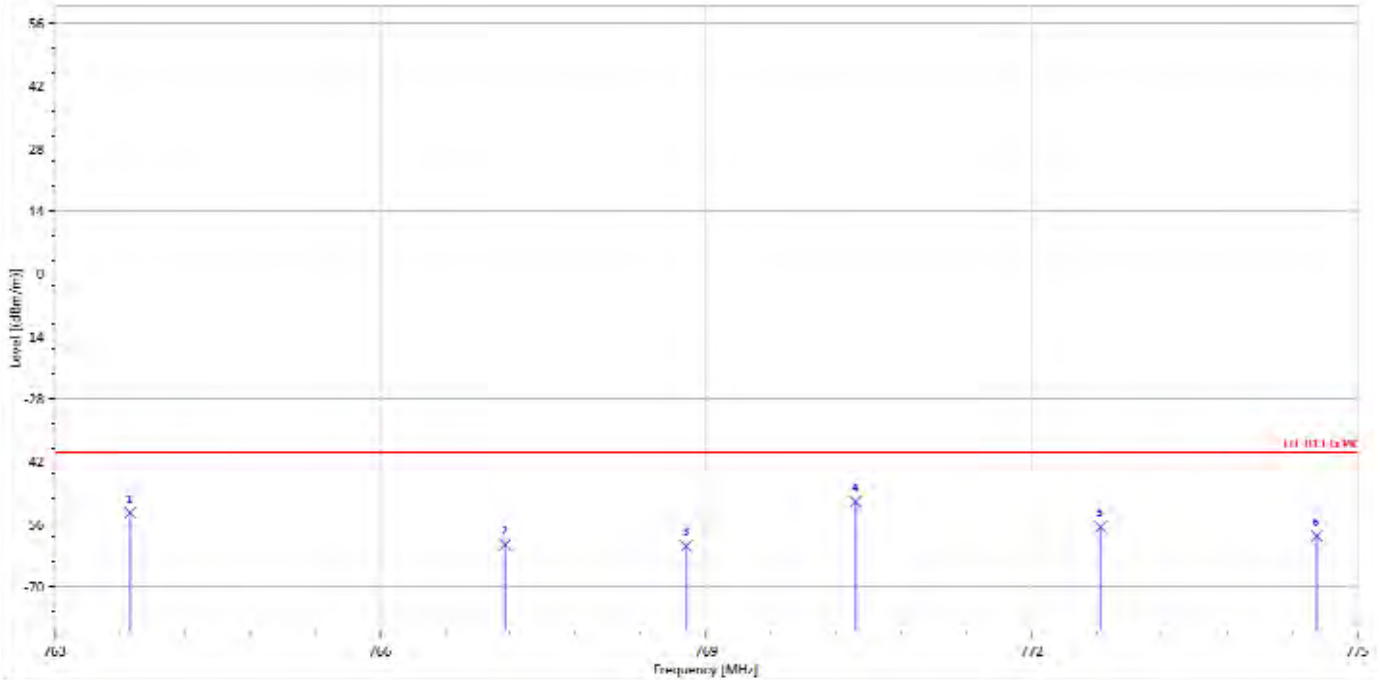
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/3
 Fundamental Frequency : 784.5 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
763.70	S	-53.53	-54.72	5.18	-3.98	-40	-13.53
767.15	S	-60.65	-61.83	5.18	-4.00	-40	-20.65
768.82	S	-60.97	-62.15	5.18	-4.01	-40	-20.97
770.38	S	-51.05	-52.22	5.18	-4.01	-40	-11.05
772.64	S	-56.70	-57.86	5.19	-4.02	-40	-16.70
774.63	S	-58.74	-59.90	5.19	-4.03	-40	-18.74

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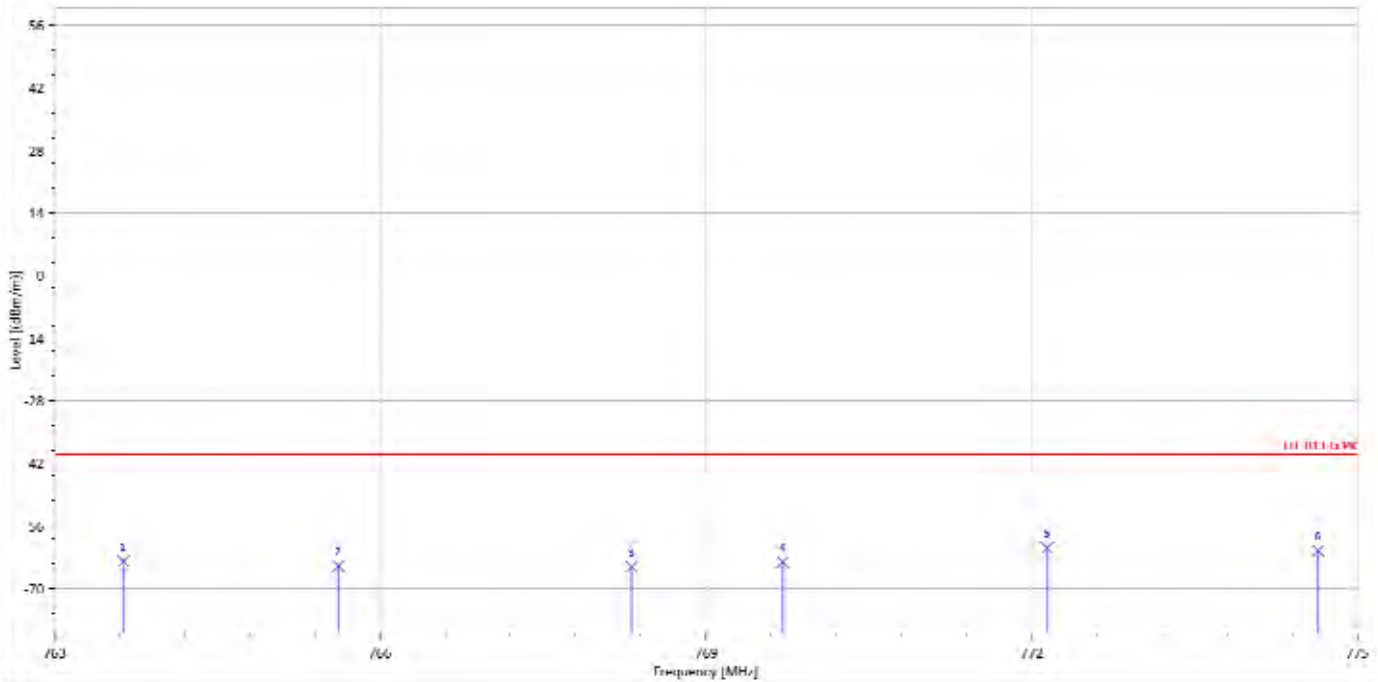
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/3
 Fundamental Frequency : 784.5 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
763.64	S	-63.90	-65.10	5.18	-3.98	-40	-23.90
765.62	S	-65.02	-66.21	5.18	-3.99	-40	-25.02
768.32	S	-65.24	-66.42	5.18	-4.00	-40	-25.24
769.71	S	-64.11	-65.28	5.18	-4.01	-40	-24.11
772.14	S	-60.91	-62.08	5.19	-4.02	-40	-20.91
774.64	S	-61.59	-62.75	5.19	-4.03	-40	-21.59

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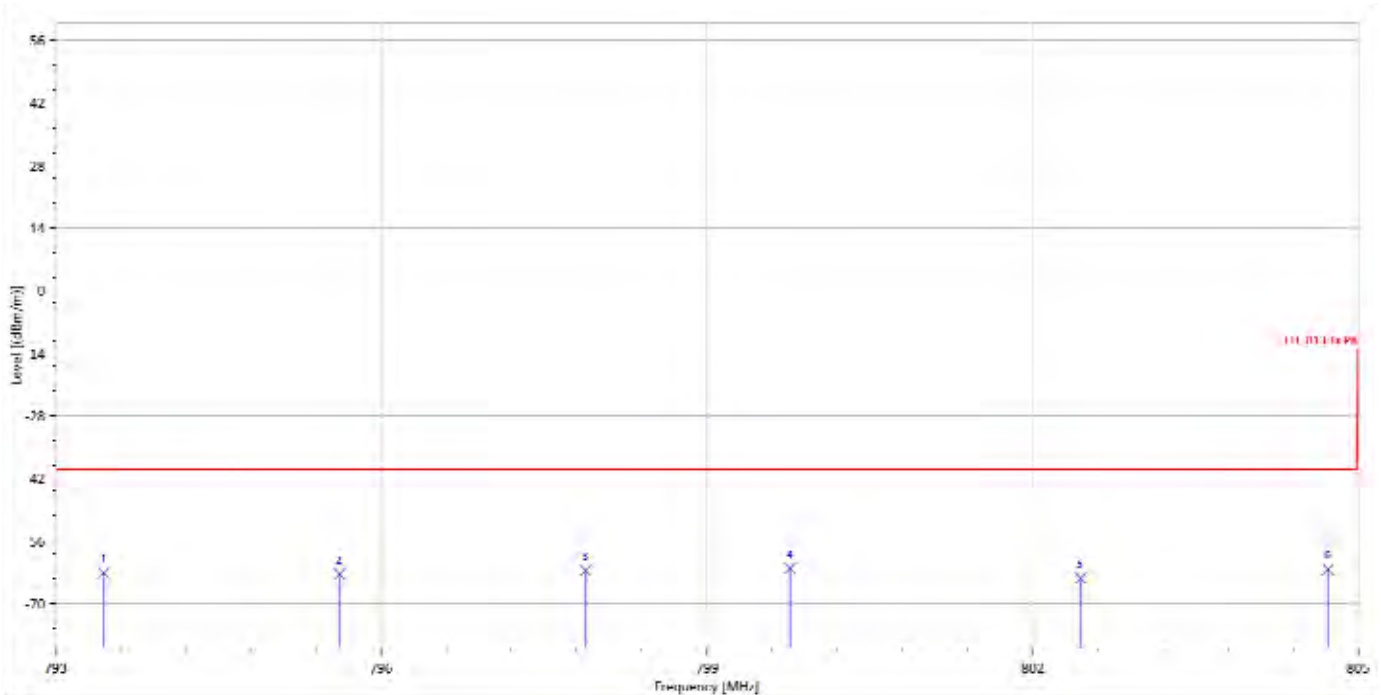
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Radiated Spurious Emission Measurement Result: LTE-Band 13 (inband measurement 793~805MHz)

Operation Mode :	LTEB13 5M 16QAM 1.0	Test Date :	2018/2/3
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	19.7deg_C/55RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.44	S	-63.18	-64.29	5.21	-4.10	-40	-23.18
795.62	S	-63.45	-64.56	5.21	-4.10	-40	-23.45
797.88	S	-62.64	-63.76	5.22	-4.11	-40	-22.64
799.77	S	-62.20	-63.31	5.22	-4.11	-40	-22.20
802.44	S	-64.37	-65.46	5.21	-4.11	-40	-24.37
804.72	S	-62.40	-63.49	5.20	-4.12	-40	-22.40

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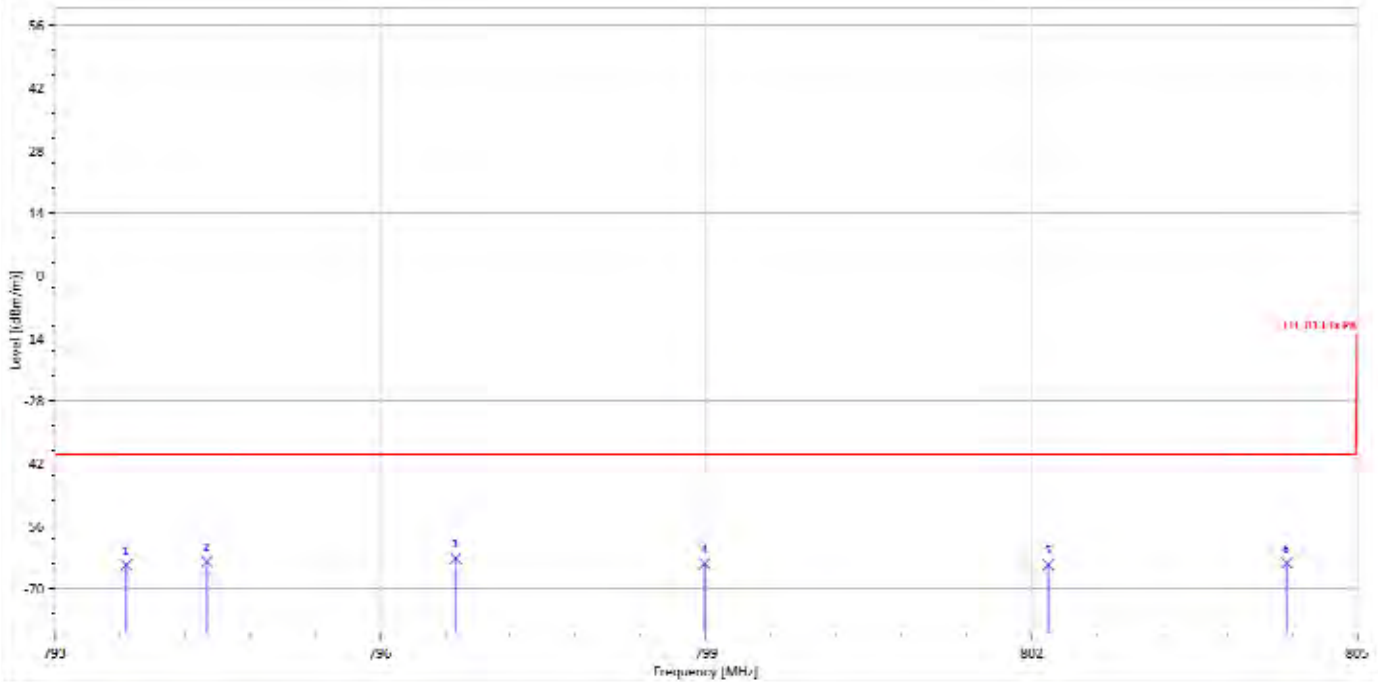
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/3
 Fundamental Frequency : 779.5 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH LOW Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.66	S	-64.77	-65.88	5.21	-4.10	-40	-24.77
794.40	S	-64.00	-65.12	5.21	-4.10	-40	-24.00
796.70	S	-63.27	-64.39	5.22	-4.10	-40	-23.27
798.99	S	-64.46	-65.57	5.22	-4.11	-40	-24.46
802.16	S	-64.66	-65.76	5.21	-4.11	-40	-24.66
804.35	S	-64.34	-65.43	5.21	-4.12	-40	-24.34

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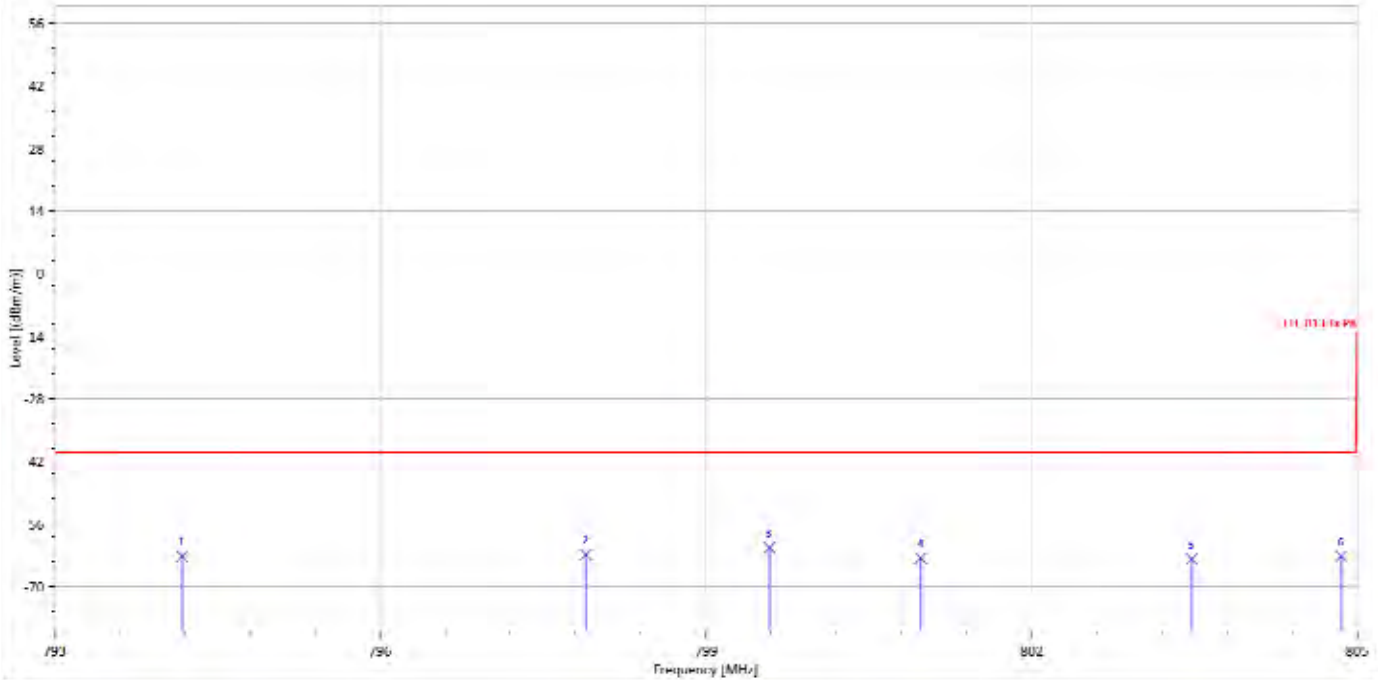
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 Fundamental Frequency : 782 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
794.18	S	-63.26	-64.38	5.21	-4.10	-40	-23.26
797.90	S	-62.94	-64.05	5.22	-4.11	-40	-22.94
799.59	S	-61.35	-62.46	5.22	-4.11	-40	-21.35
800.98	S	-63.67	-64.77	5.22	-4.11	-40	-23.67
803.48	S	-63.88	-64.97	5.21	-4.12	-40	-23.88
804.86	S	-63.21	-64.29	5.20	-4.12	-40	-23.21

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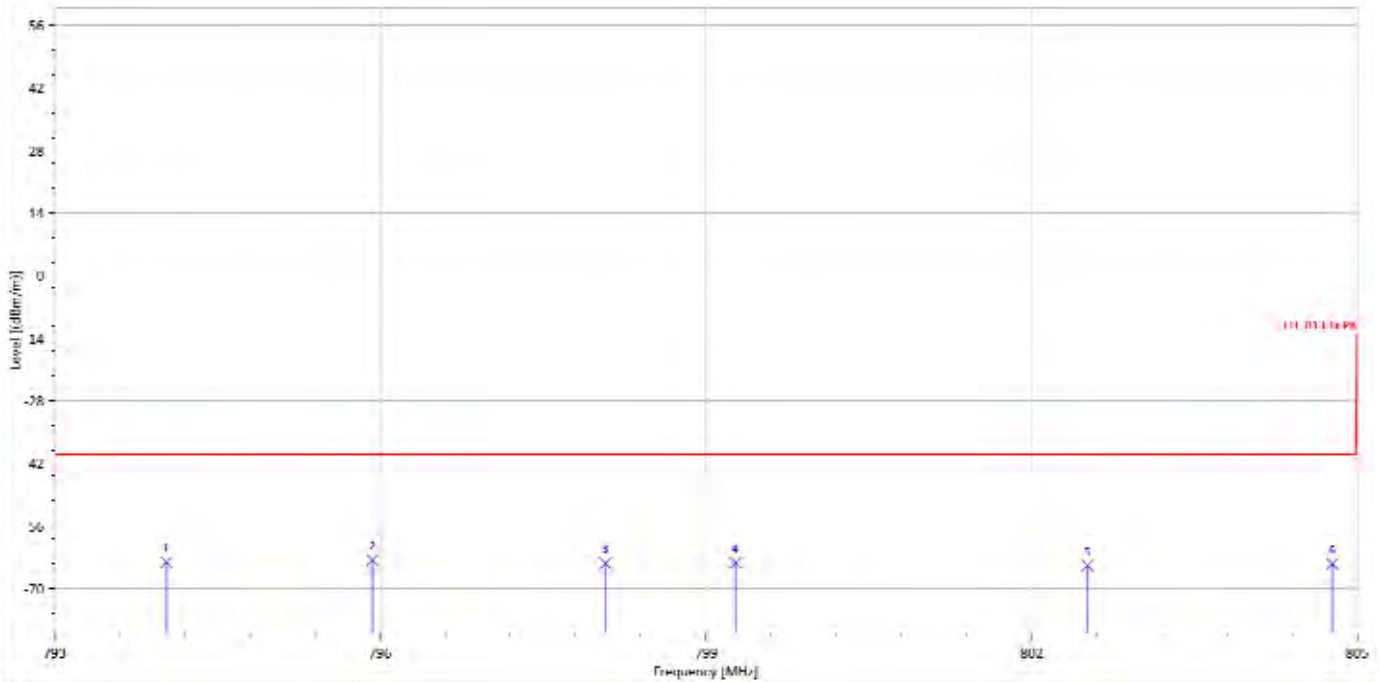
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 Fundamental Frequency : 782 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
794.03	S	-64.16	-65.27	5.21	-4.10	-40	-24.16
795.93	S	-63.66	-64.77	5.22	-4.10	-40	-23.66
798.08	S	-64.39	-65.50	5.22	-4.11	-40	-24.39
799.28	S	-64.27	-65.38	5.22	-4.11	-40	-24.27
802.52	S	-64.89	-65.98	5.21	-4.12	-40	-24.89
804.77	S	-64.51	-65.60	5.20	-4.12	-40	-24.51

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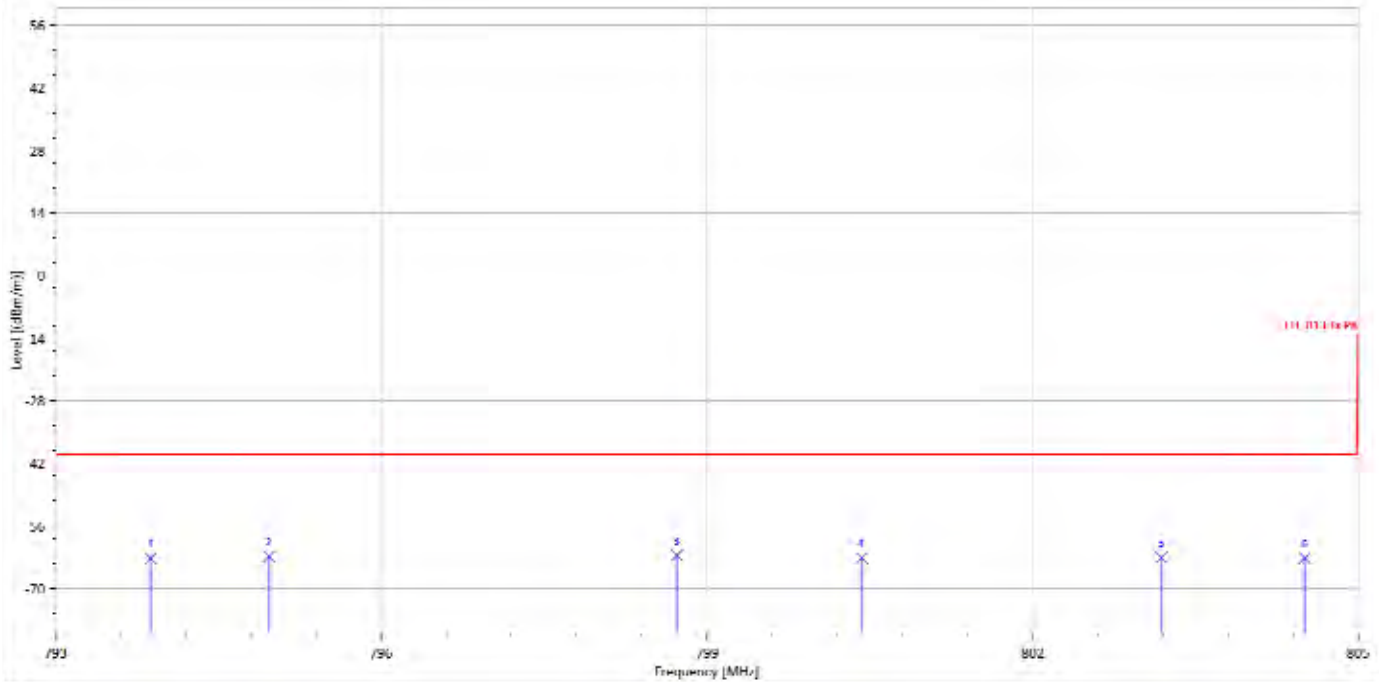
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Operation Mode : LTEB13 5M 16QAM 1.0 Test Date : 2018/2/3
 Fundamental Frequency : 784 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.88	S	-63.29	-64.41	5.21	-4.10	-40	-23.29
794.97	S	-62.81	-63.93	5.21	-4.10	-40	-22.81
798.72	S	-62.62	-63.73	5.22	-4.11	-40	-22.62
800.43	S	-63.22	-64.33	5.22	-4.11	-40	-23.22
803.19	S	-63.10	-64.20	5.21	-4.12	-40	-23.10
804.51	S	-63.20	-64.28	5.20	-4.12	-40	-23.20

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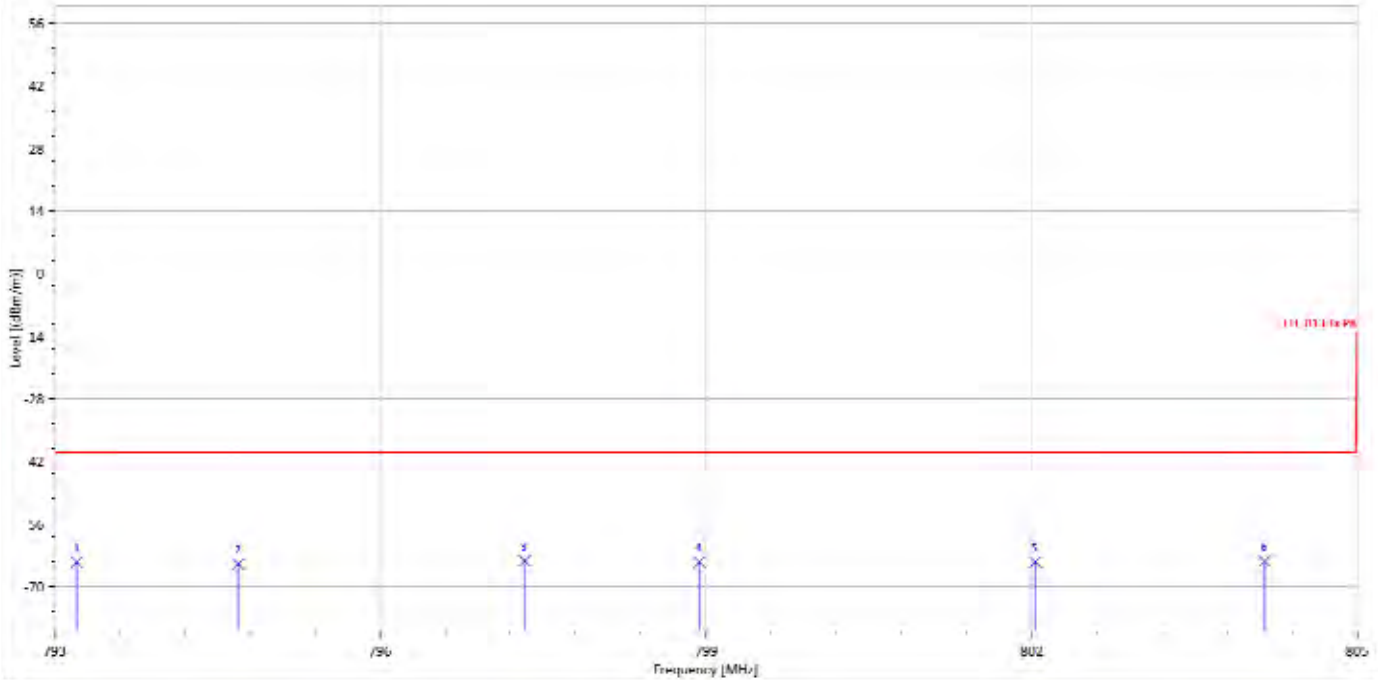
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 Fundamental Frequency : 784 MHz Temp. / Humi. : 19.7deg_C/55RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.20	S	-64.54	-65.66	5.21	-4.10	-40	-24.54
794.69	S	-64.97	-66.08	5.21	-4.10	-40	-24.97
797.33	S	-64.28	-65.39	5.22	-4.10	-40	-24.28
798.94	S	-64.54	-65.65	5.22	-4.11	-40	-24.54
802.04	S	-64.57	-65.66	5.21	-4.11	-40	-24.57
804.15	S	-64.37	-65.45	5.21	-4.12	-40	-24.37

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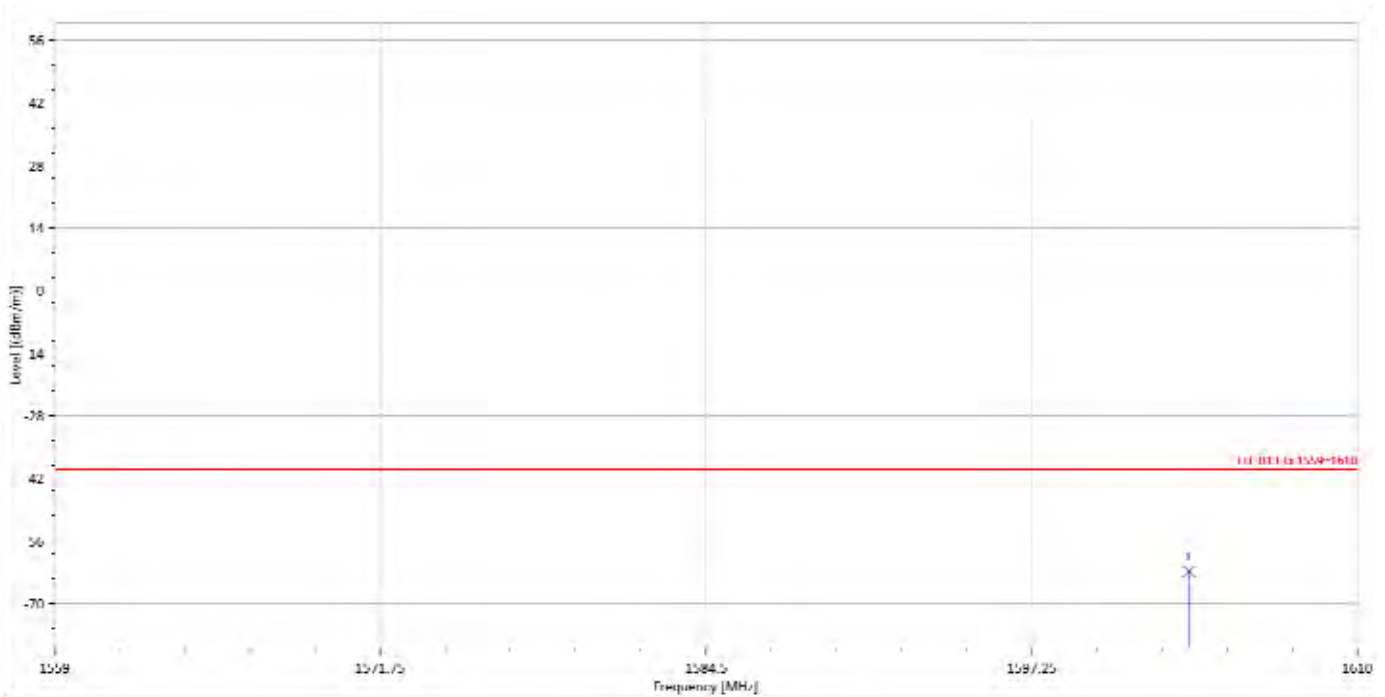
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Radiated Spurious Emission Measurement Result: LTE-Band 13 (inband measurement 1559~1610MHz)

Operation Mode :	LTEB13 5M QPSK 1.0	Test Date :	2018/2/21
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1584.19	S	-63.80	-63.79	6.30	-6.32	-40	-23.80

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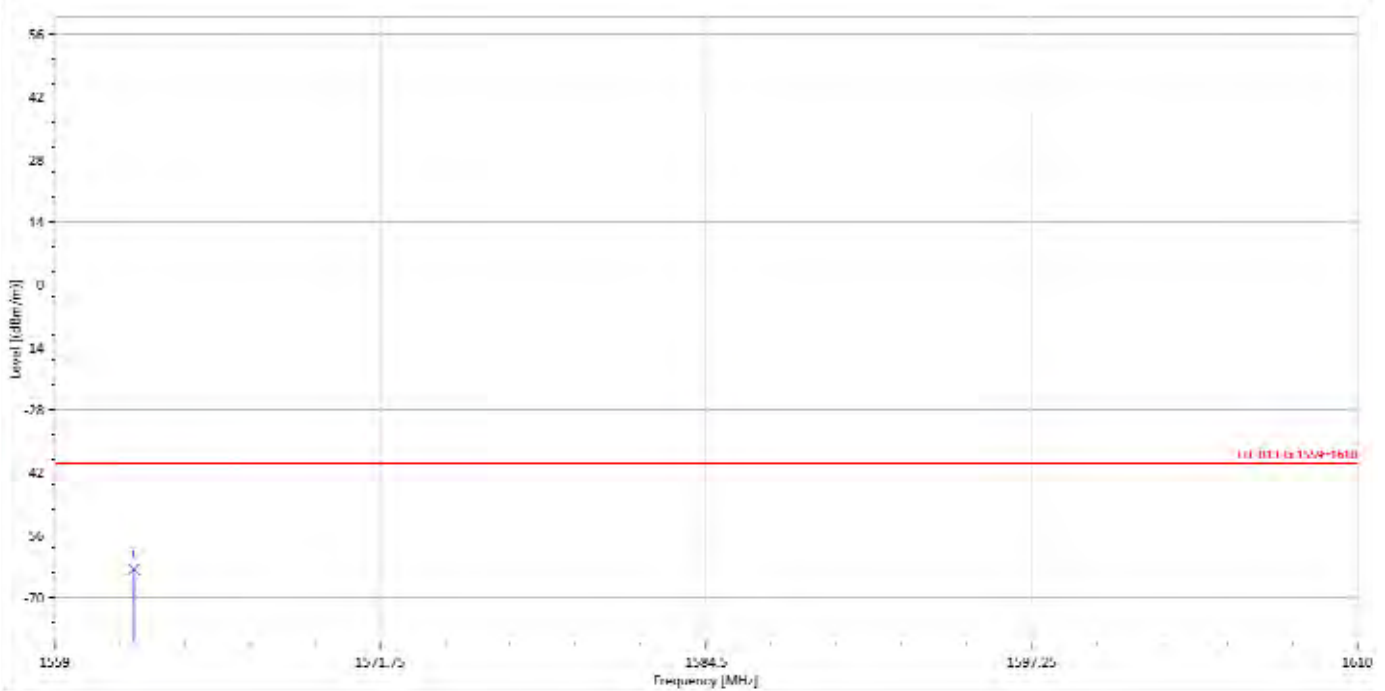
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Operation Mode :	LTEB13 5M QPSK 1.0	Test Date :	2018/2/21
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1586.54	S	-63.62	-63.62	6.31	-6.32	-40	-23.62

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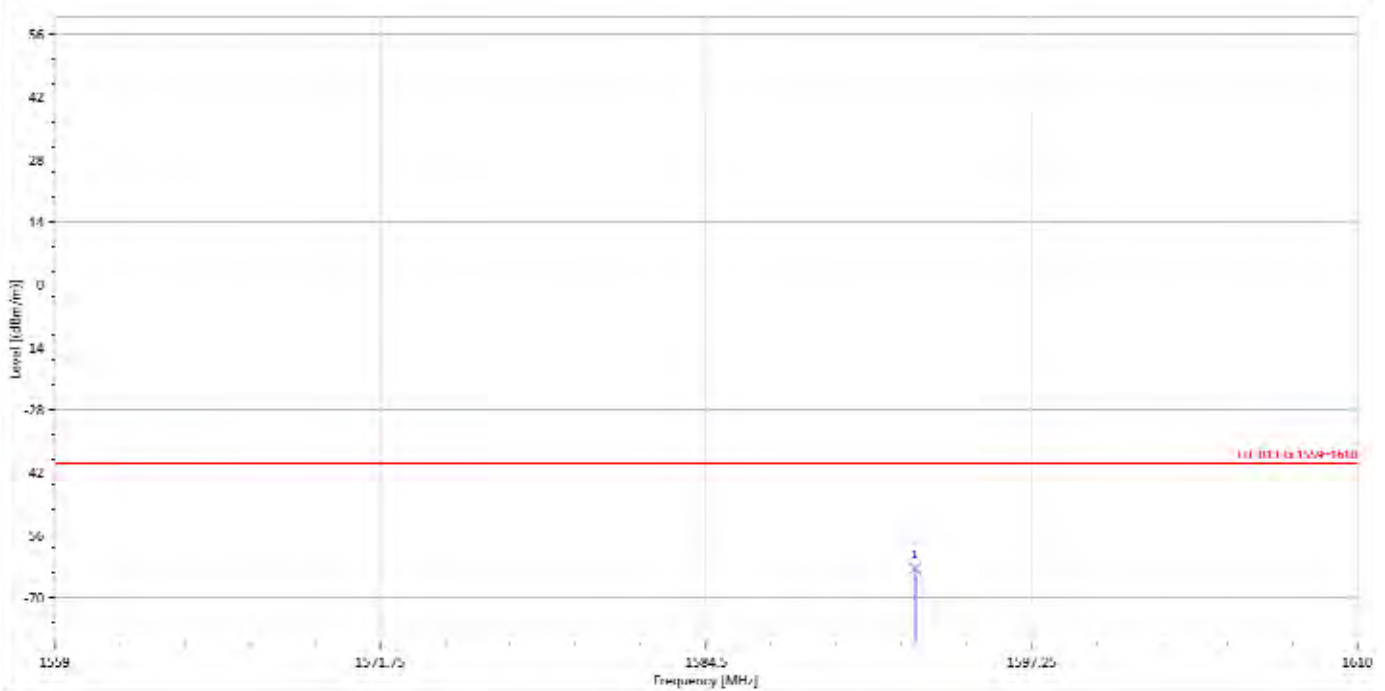
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Operation Mode :	LTEB13 5M QPSK 1.0	Test Date :	2018/2/21
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1566.04	S	-63.32	-63.27	6.23	-6.28	-40	-23.32

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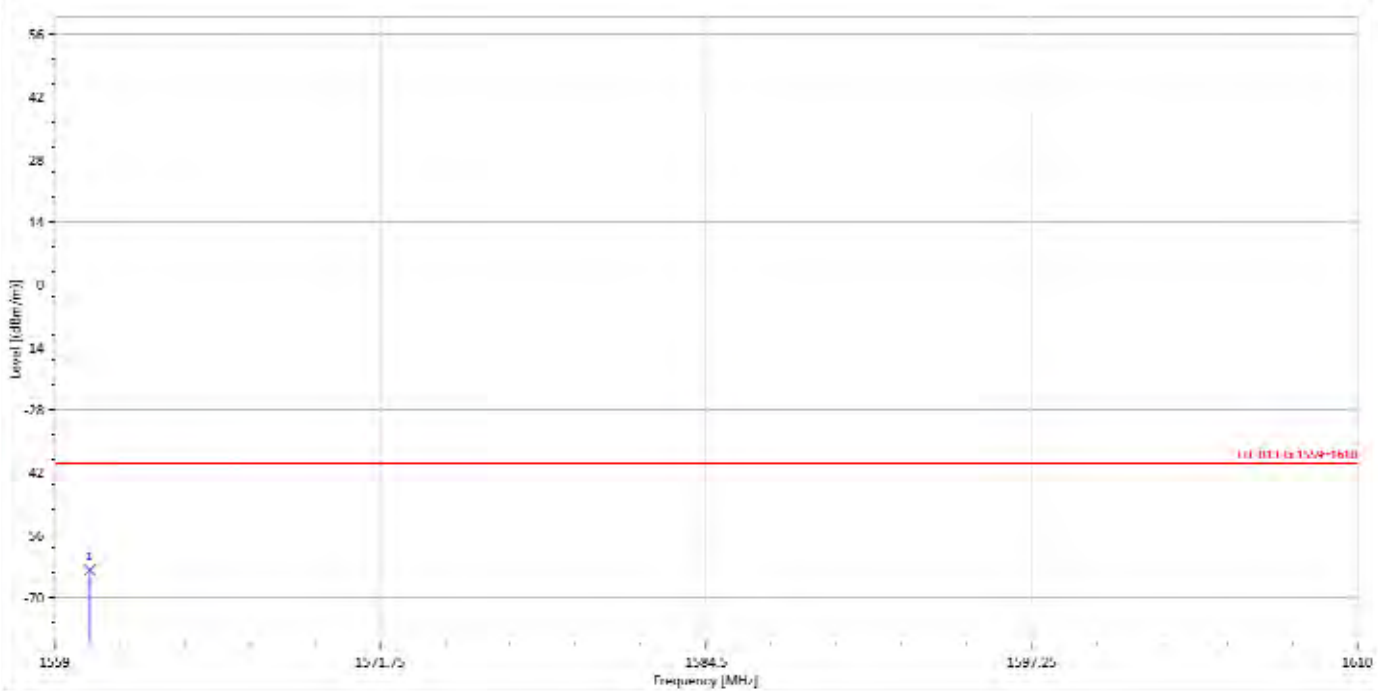
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Operation Mode :	LTEB13 5M QPSK 1.0	Test Date :	2018/2/21
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1567.31	S	-63.54	-63.49	6.23	-6.28	-40	-23.54

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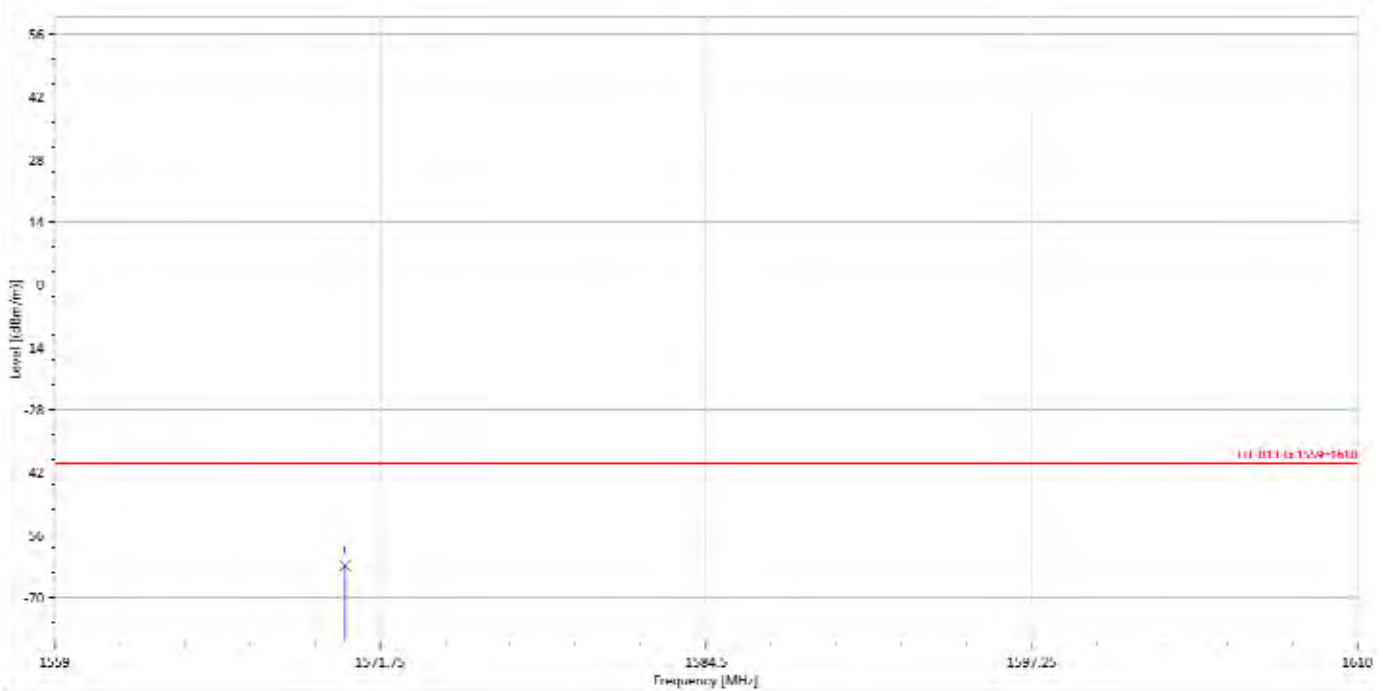
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Operation Mode :	LTEB13 5M QPSK 1.0	Test Date :	2018/2/21
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1560.58	S	-63.68	-63.62	6.20	-6.26	-40	-23.68

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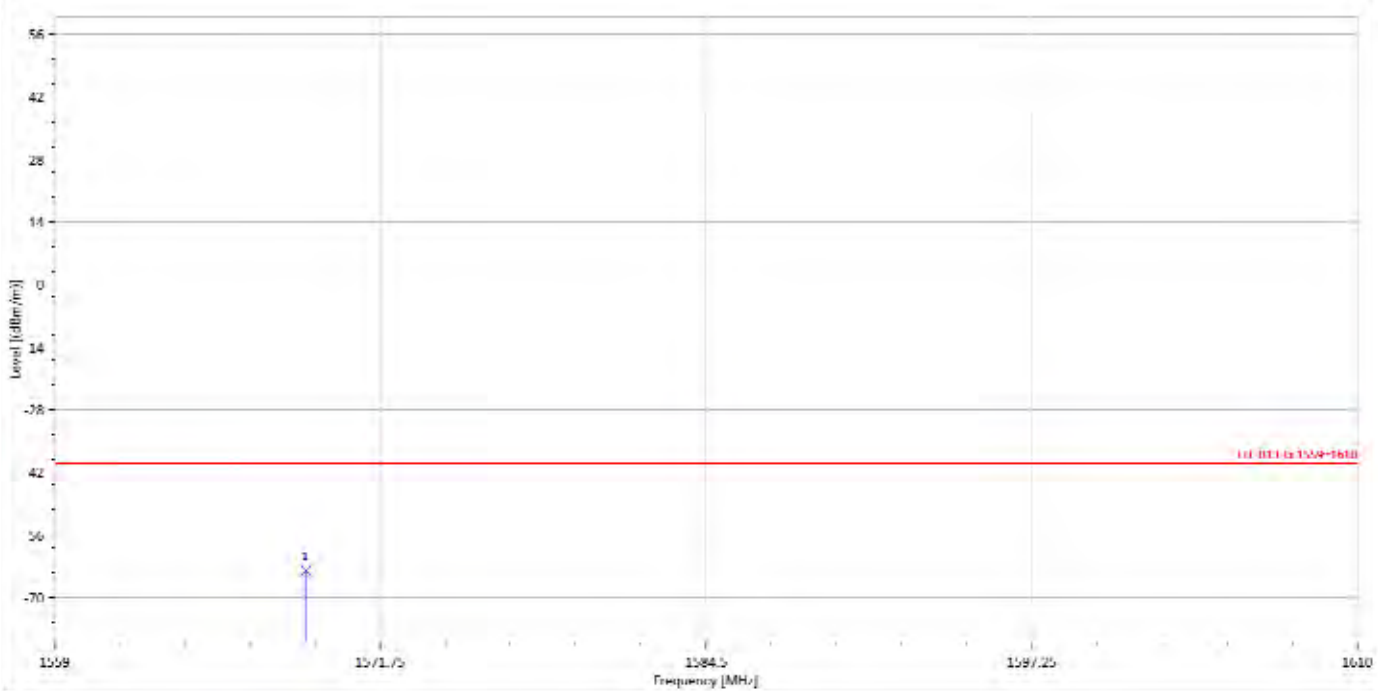
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Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1579.91	S	-62.54	-62.52	6.29	-6.31	-40	-22.54

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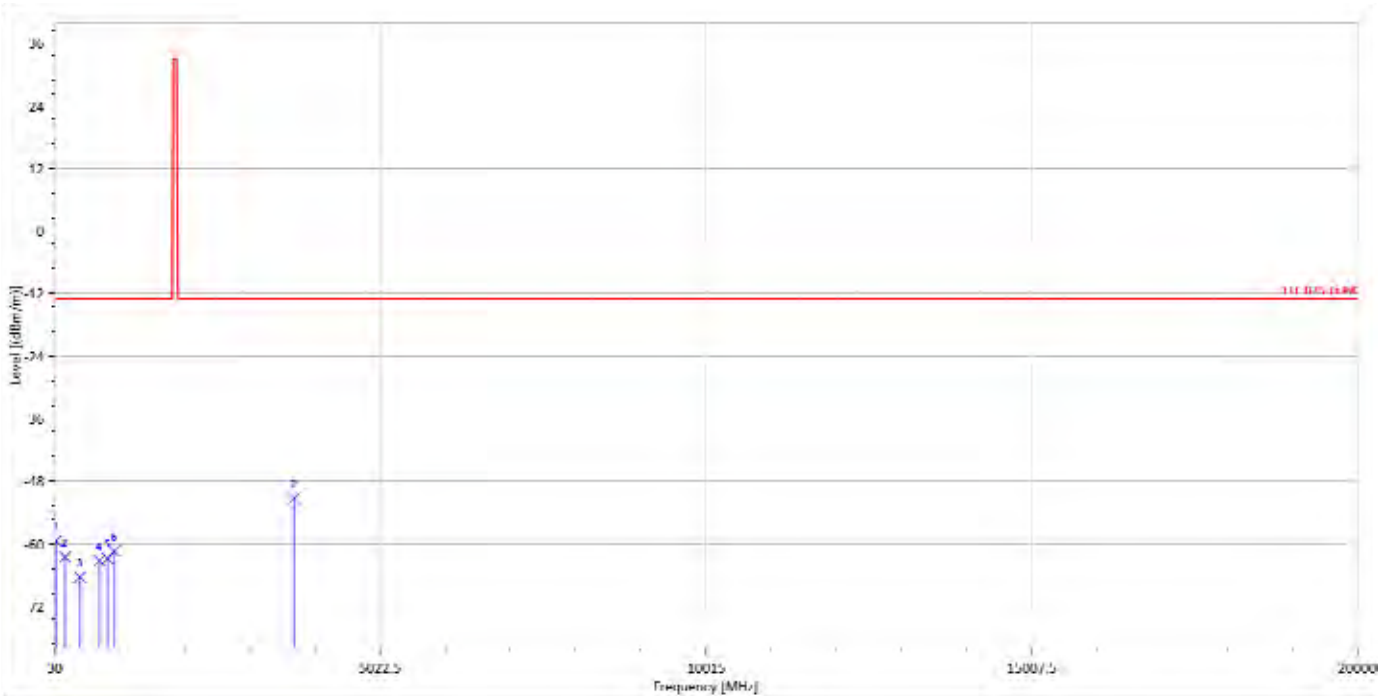
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Radiated Spurious Emission Measurement Result: LTE-Band 25

Operation Mode :	LTEB25 1.4M QPSK 1.5	Test Date :	2018/2/3
Fundamental Frequency :	1850.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
52.31	S	-59.48	-54.29	-4.21	-0.97	-13	-46.48
191.02	S	-62.55	-66.48	5.87	-1.95	-13	-49.55
418.97	S	-66.38	-69.39	5.95	-2.95	-13	-53.38
717.73	S	-63.27	-67.11	7.71	-3.87	-13	-50.27
842.86	S	-62.82	-66.36	7.79	-4.25	-13	-49.82
944.71	S	-61.39	-64.84	7.96	-4.51	-13	-48.39
3701.40	H	-51.27	-54.79	12.42	-8.90	-13	-38.27

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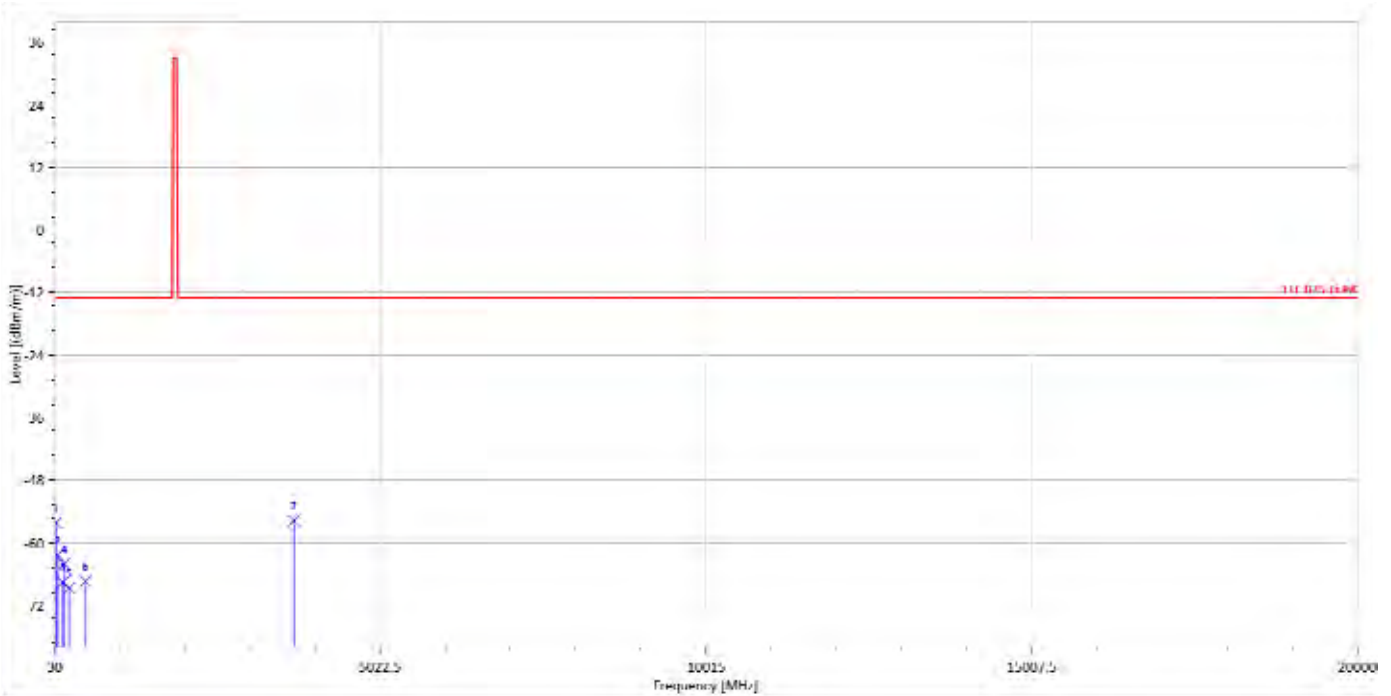
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Operation Mode :	LTEB25 1.4M QPSK 1.5	Test Date :	2018/2/3
Fundamental Frequency :	1850.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-56.14	-51.32	-3.84	-0.98	-13	-43.14
77.53	S	-62.33	-61.51	0.38	-1.20	-13	-49.33
155.13	S	-67.56	-68.50	2.68	-1.74	-13	-54.56
178.41	S	-64.03	-67.40	5.24	-1.87	-13	-51.03
256.01	S	-68.69	-71.19	4.77	-2.28	-13	-55.69
504.33	S	-67.37	-70.62	6.49	-3.24	-13	-54.37
3701.40	H	-55.75	-59.27	12.42	-8.90	-13	-42.75

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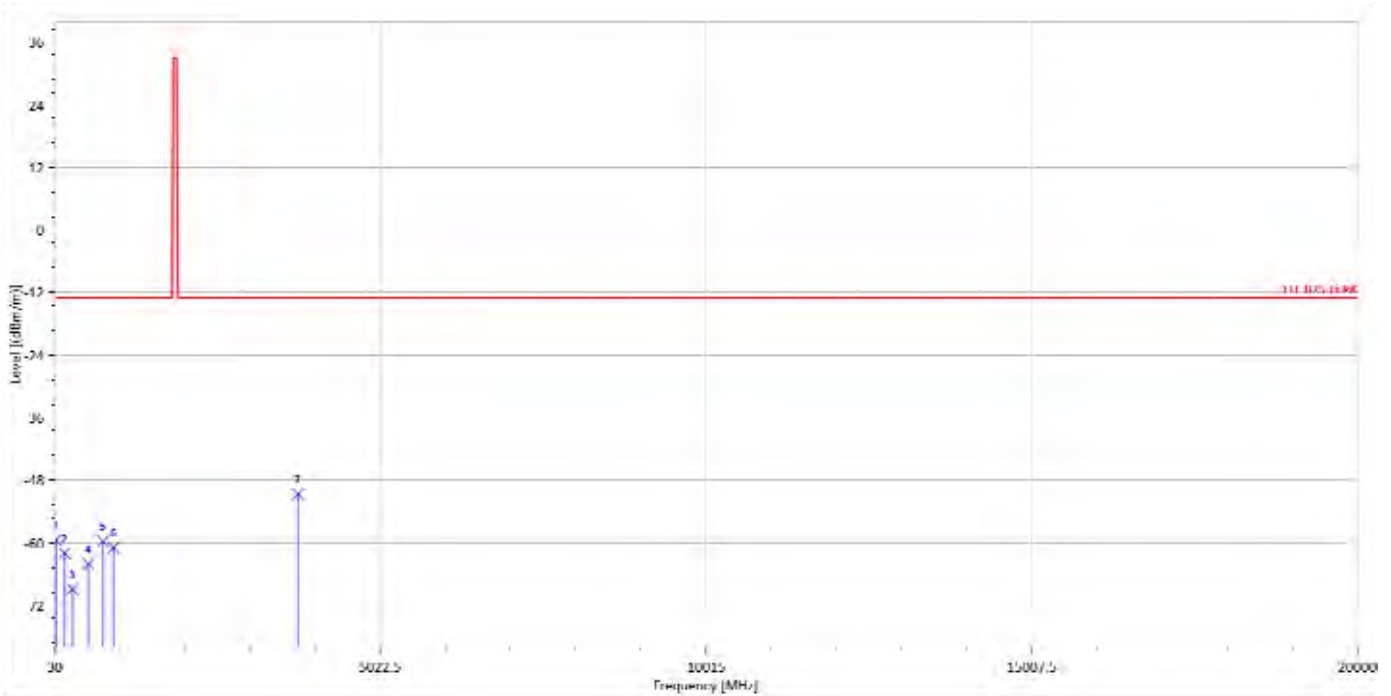
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Operation Mode :	LTEB25 1.4M QPSK 1.5	Test Date :	2018/2/3
Fundamental Frequency :	1882.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.50	-54.68	-3.84	-0.98	-13	-46.50
184.23	S	-62.01	-65.72	5.61	-1.91	-13	-49.01
306.45	S	-68.89	-72.27	5.87	-2.49	-13	-55.89
547.98	S	-64.04	-67.15	6.52	-3.40	-13	-51.04
773.02	S	-59.67	-63.39	7.74	-4.02	-13	-46.67
935.01	S	-60.88	-64.34	7.94	-4.49	-13	-47.88
3765.00	H	-50.67	-54.18	12.46	-8.95	-13	-37.67

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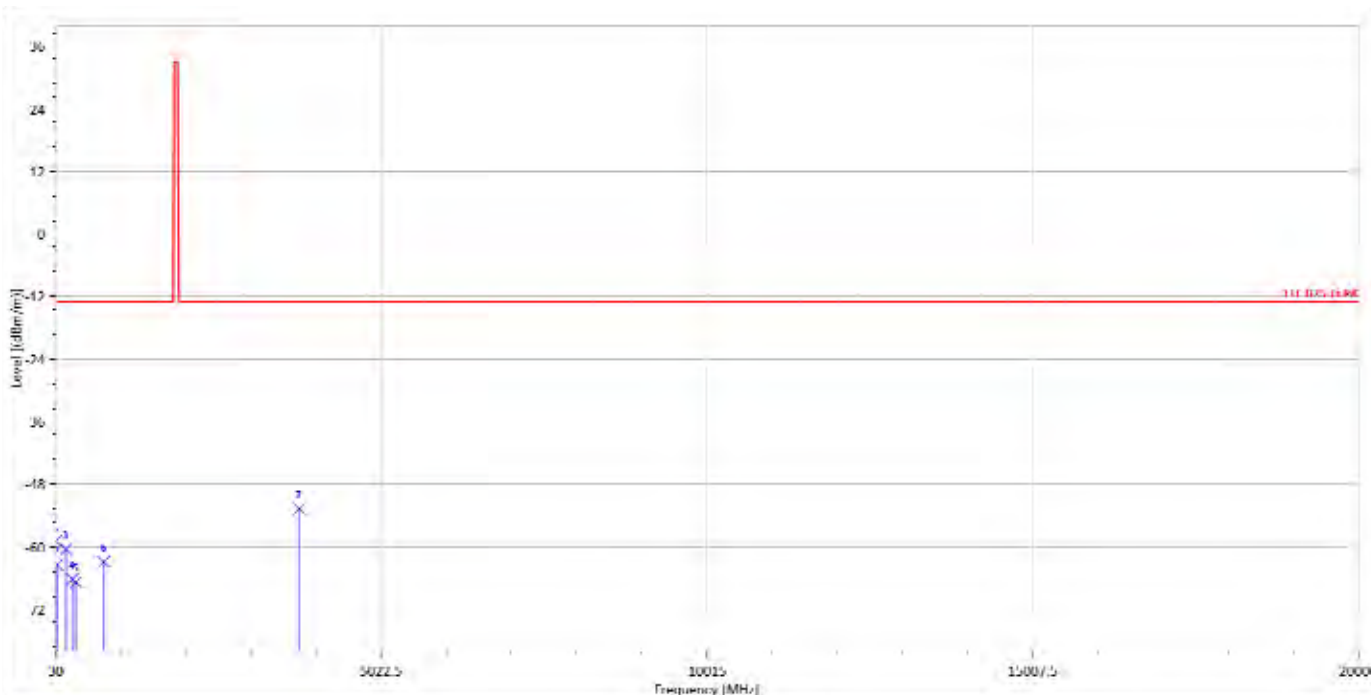
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Operation Mode :	LTEB25 1.4M QPSK 1.5	Test Date :	2018/2/3
Fundamental Frequency :	1882.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
34.85	S	-58.85	-41.58	-16.43	-0.84	-13	-45.85
53.28	S	-63.46	-58.64	-3.84	-0.98	-13	-50.46
191.02	S	-60.46	-64.38	5.87	-1.95	-13	-47.46
289.96	S	-66.23	-69.57	5.76	-2.42	-13	-53.23
340.40	S	-66.77	-70.09	5.96	-2.64	-13	-53.77
769.14	S	-62.88	-66.61	7.73	-4.01	-13	-49.88
3765.00	H	-52.74	-56.25	12.46	-8.95	-13	-39.74

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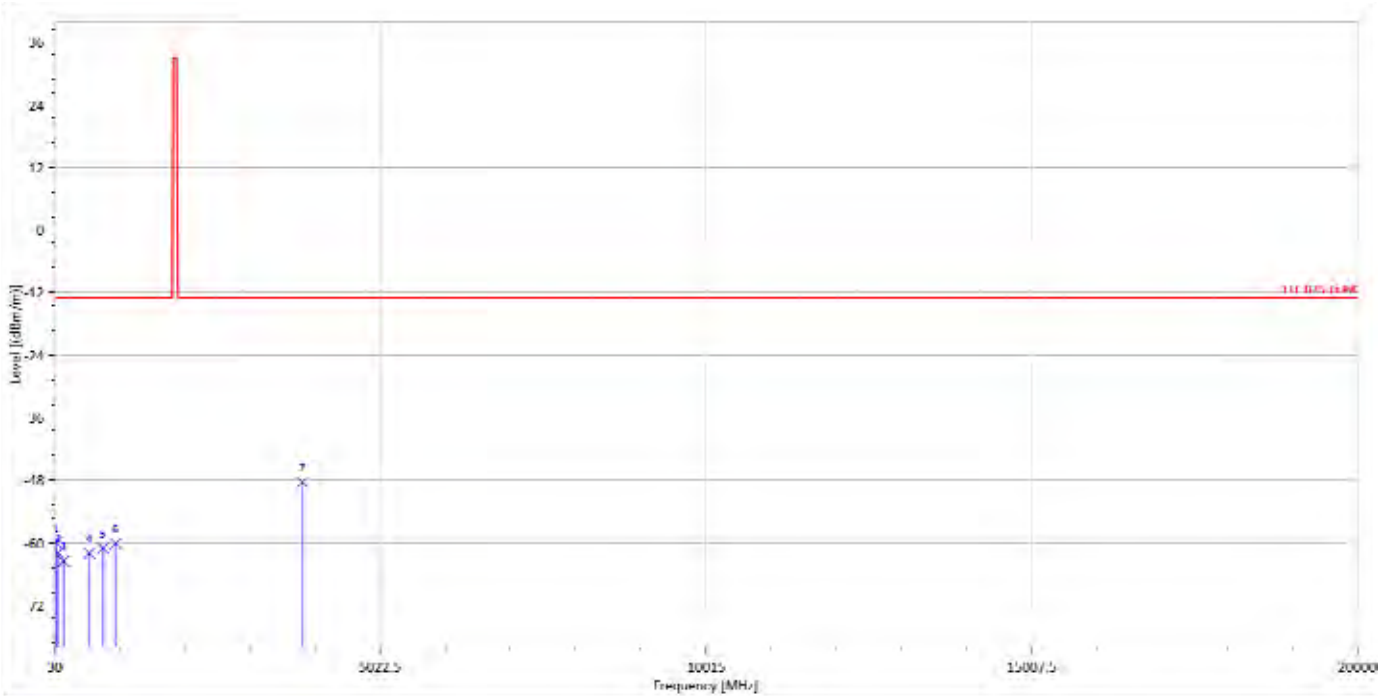
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Operation Mode :	LTEB25 1.4M QPSK 1.5	Test Date :	2018/2/3
Fundamental Frequency :	1914.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.95	-55.13	-3.84	-0.98	-13	-46.95
83.35	S	-61.87	-60.91	0.28	-1.25	-13	-48.87
169.68	S	-63.52	-65.97	4.28	-1.83	-13	-50.52
562.53	S	-62.02	-65.22	6.63	-3.44	-13	-49.02
773.99	S	-61.04	-64.75	7.74	-4.03	-13	-48.04
966.05	S	-60.13	-63.57	8.01	-4.57	-13	-47.13
3828.60	H	-48.42	-51.93	12.50	-8.99	-13	-35.42

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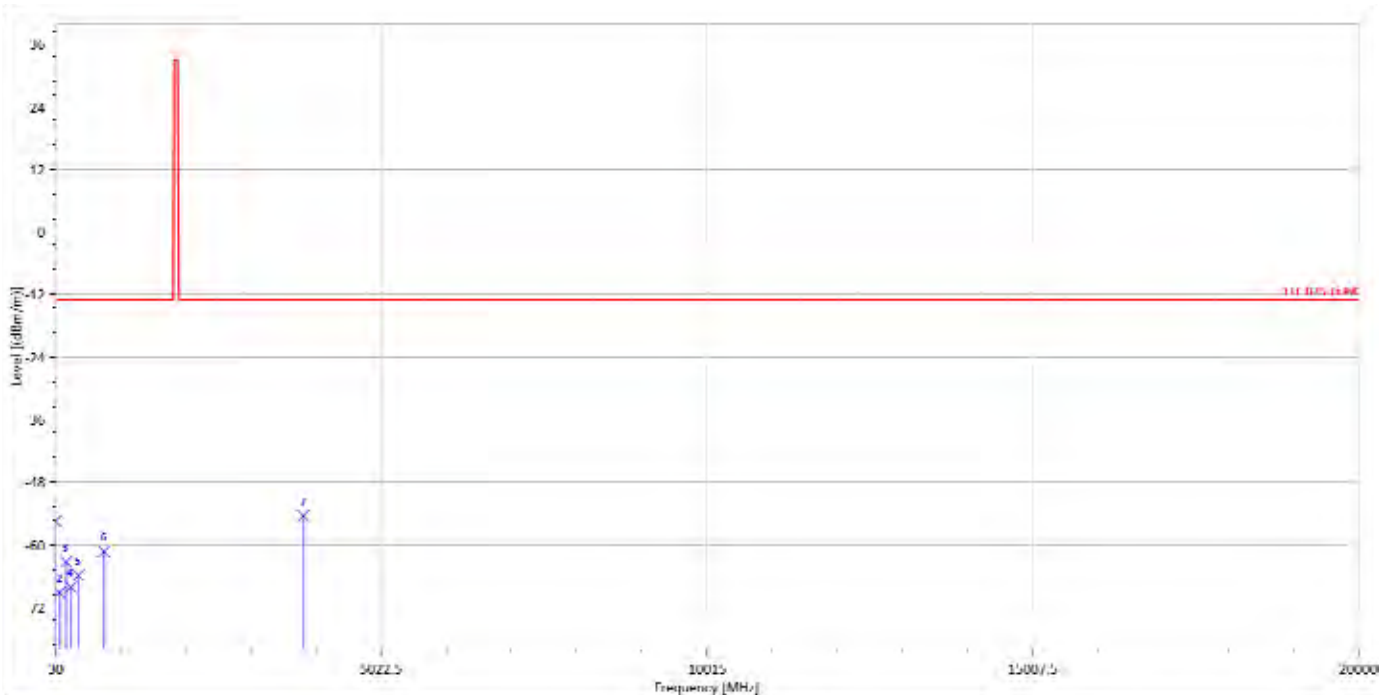
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Operation Mode :	LTEB25 1.4M QPSK 1.5	Test Date :	2018/2/3
Fundamental Frequency :	1914.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
30.97	S	-55.47	-35.08	-19.56	-0.82	-13	-42.47
92.08	S	-69.13	-67.47	-0.35	-1.32	-13	-56.13
191.02	S	-63.29	-67.22	5.87	-1.95	-13	-50.29
264.74	S	-68.12	-70.70	4.90	-2.32	-13	-55.12
382.11	S	-65.87	-68.91	5.84	-2.80	-13	-52.87
773.02	S	-61.32	-65.04	7.74	-4.02	-13	-48.32
3828.60	H	-54.44	-57.94	12.50	-8.99	-13	-41.44

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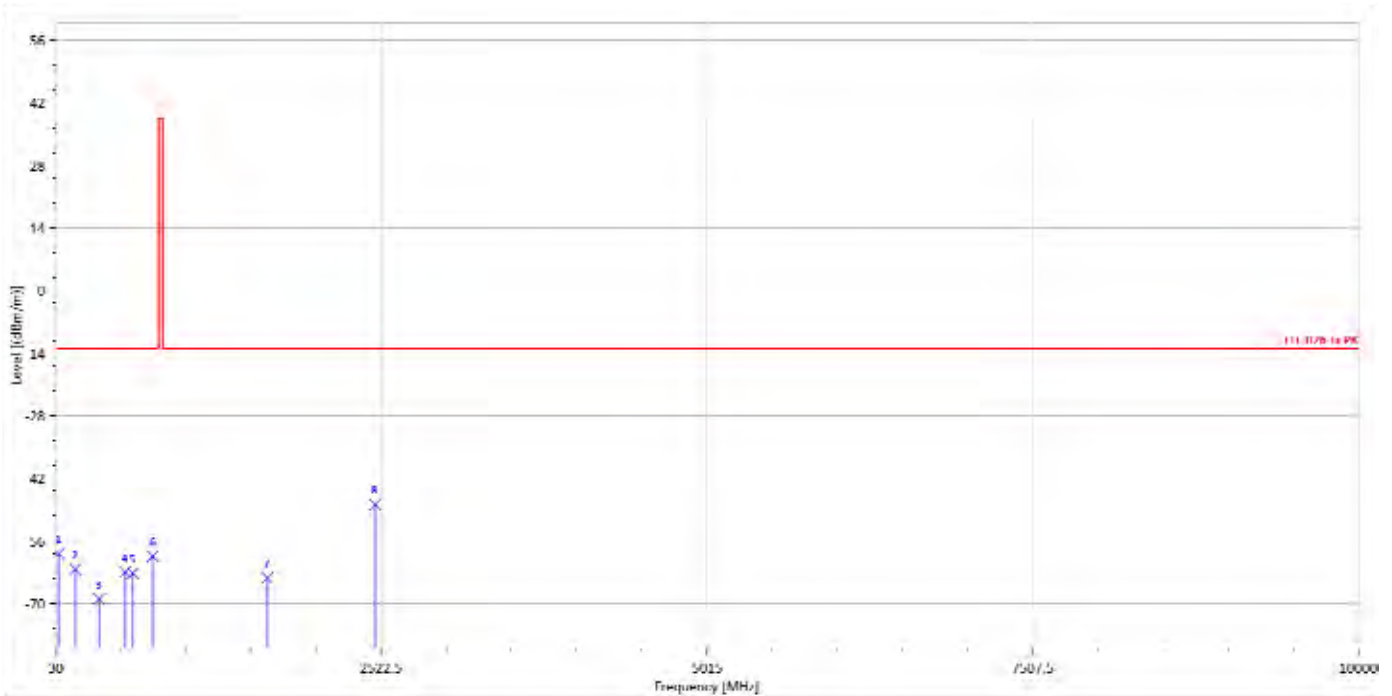
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Radiated Spurious Emission Measurement Result: LTE-Band 26

Operation Mode :	LTEB26 3M 16QAM 1.14	Test Date :	2018/2/6
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
54.25	S	-58.88	-52.41	-5.47	-0.99	-13	-45.88
182.29	S	-62.36	-64.24	3.78	-1.89	-13	-49.36
364.65	S	-69.02	-69.66	3.37	-2.73	-13	-56.02
562.53	S	-63.02	-63.64	4.06	-3.44	-13	-50.02
620.73	S	-63.27	-64.08	4.44	-3.63	-13	-50.27
773.02	S	-59.44	-60.61	5.19	-4.02	-13	-46.44
1651.00	H	-64.32	-64.45	6.58	-6.46	-13	-51.32
2476.50	H	-47.90	-48.63	8.53	-7.80	-13	-34.90

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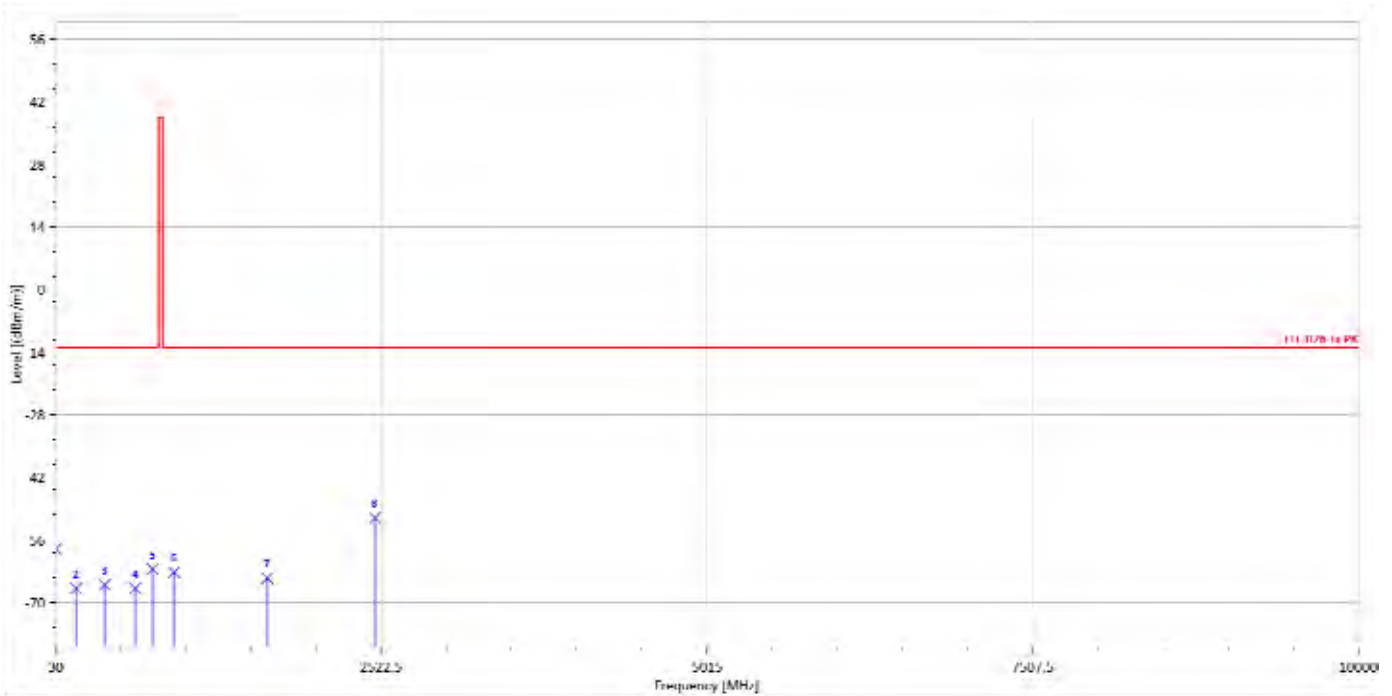
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Operation Mode : LTEB26 3M 16QAM 1.14 Test Date : 2018/2/6
 Fundamental Frequency : 825.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH LOW Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-58.04	-38.07	-19.13	-0.84	-13	-45.04
189.08	S	-66.88	-69.04	4.10	-1.93	-13	-53.88
407.33	S	-66.08	-66.43	3.26	-2.91	-13	-53.08
640.13	S	-66.88	-67.77	4.56	-3.67	-13	-53.88
773.02	S	-62.56	-63.73	5.19	-4.02	-13	-49.56
936.95	S	-63.27	-64.14	5.37	-4.49	-13	-50.27
1651.00	H	-64.56	-64.69	6.58	-6.46	-13	-51.56
2476.50	H	-51.10	-51.83	8.53	-7.80	-13	-38.10

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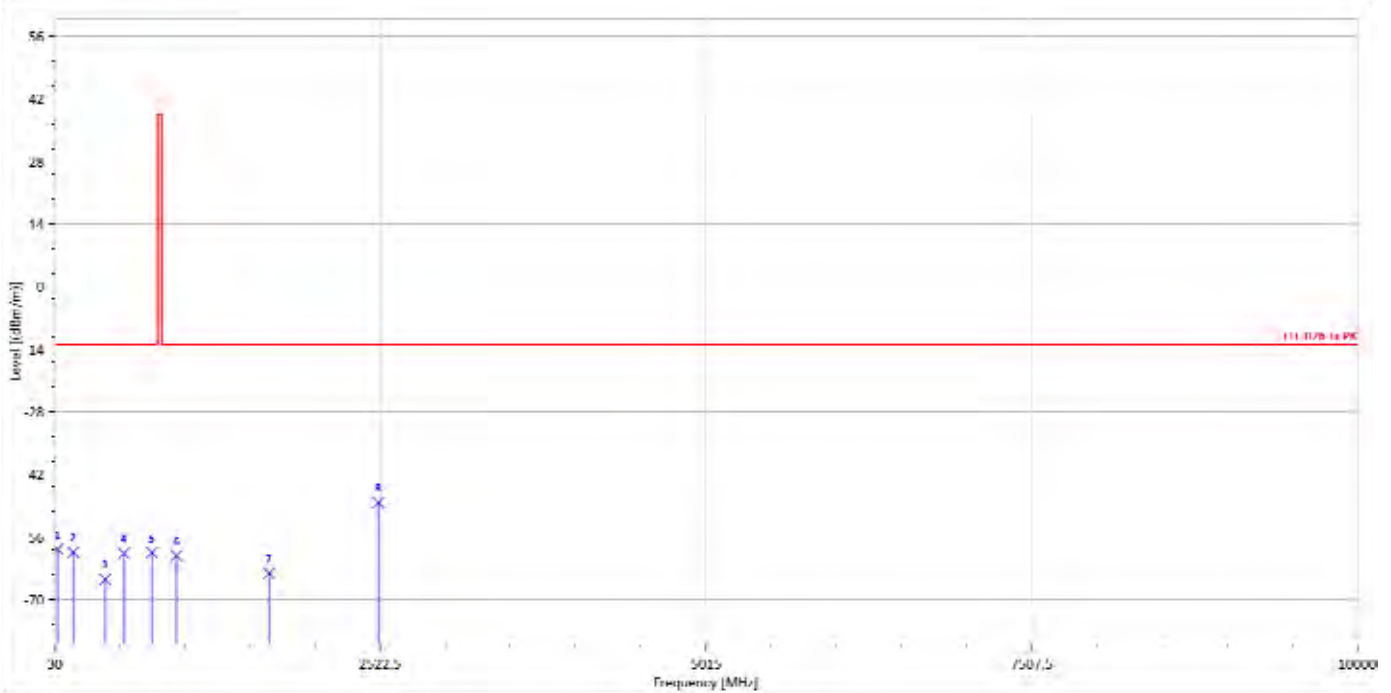
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Operation Mode : LTEB26 3M 16QAM 1.14 Test Date : 2018/2/6
 Fundamental Frequency : 836.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-58.79	-51.95	-5.85	-0.98	-13	-45.79
174.53	S	-59.46	-60.68	3.07	-1.85	-13	-46.46
418.00	S	-65.52	-65.92	3.35	-2.94	-13	-52.52
562.53	S	-59.71	-60.33	4.06	-3.44	-13	-46.71
775.93	S	-59.56	-60.72	5.19	-4.03	-13	-46.56
963.14	S	-60.19	-61.08	5.45	-4.56	-13	-47.19
1673.00	H	-64.19	-64.36	6.68	-6.50	-13	-51.19
2509.50	H	-48.36	-49.08	8.56	-7.84	-13	-35.36

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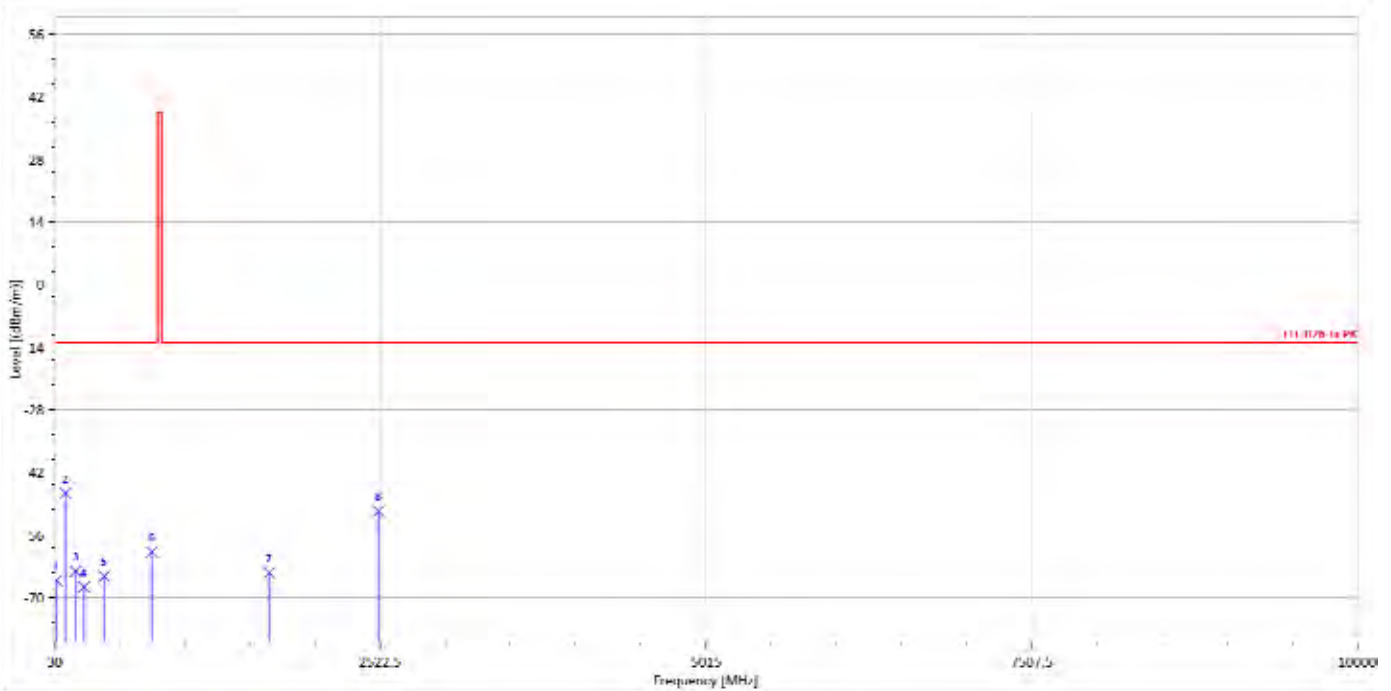
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Operation Mode : LTEB26 3M 16QAM 1.14 Test Date : 2018/2/6
 Fundamental Frequency : 836.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
44.55	S	-66.22	-54.70	-10.62	-0.90	-13	-53.22
114.39	S	-46.68	-41.75	-3.46	-1.48	-13	-33.68
191.99	S	-64.16	-66.27	4.07	-1.95	-13	-51.16
255.04	S	-67.68	-67.85	2.44	-2.28	-13	-54.68
410.24	S	-65.28	-65.64	3.29	-2.92	-13	-52.28
774.96	S	-59.83	-60.99	5.19	-4.03	-13	-46.83
1673.00	H	-64.49	-64.67	6.68	-6.50	-13	-51.49
2509.50	H	-50.72	-51.44	8.56	-7.84	-13	-37.72

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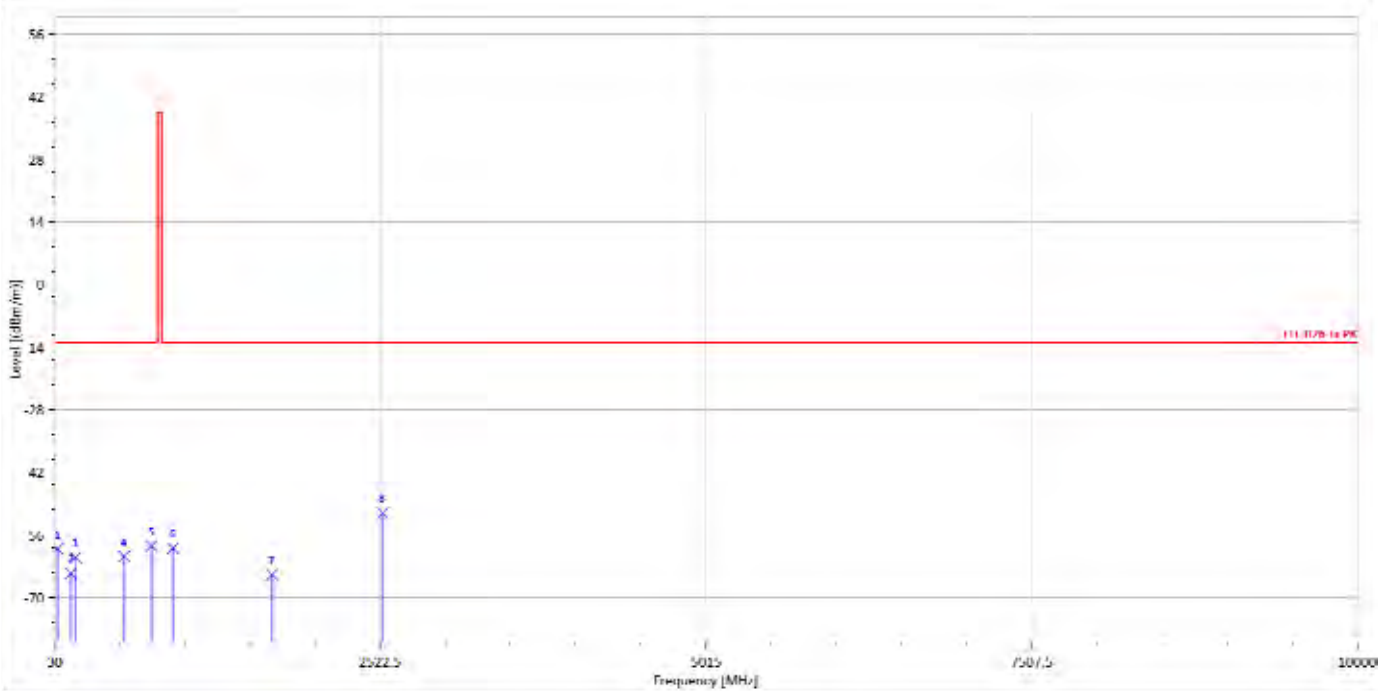
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Operation Mode : LTEB26 3M 16QAM 1.14 Test Date : 2018/2/6
 Fundamental Frequency : 847.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.15	-52.31	-5.85	-0.98	-13	-46.15
155.13	S	-64.62	-63.70	0.82	-1.74	-13	-51.62
190.05	S	-61.08	-63.28	4.14	-1.94	-13	-48.08
562.53	S	-60.82	-61.44	4.06	-3.44	-13	-47.82
773.02	S	-58.46	-59.62	5.19	-4.02	-13	-45.46
936.95	S	-59.00	-59.87	5.37	-4.49	-13	-46.00
1695.00	H	-64.91	-65.13	6.77	-6.55	-13	-51.91
2542.50	H	-51.12	-51.85	8.60	-7.88	-13	-38.12

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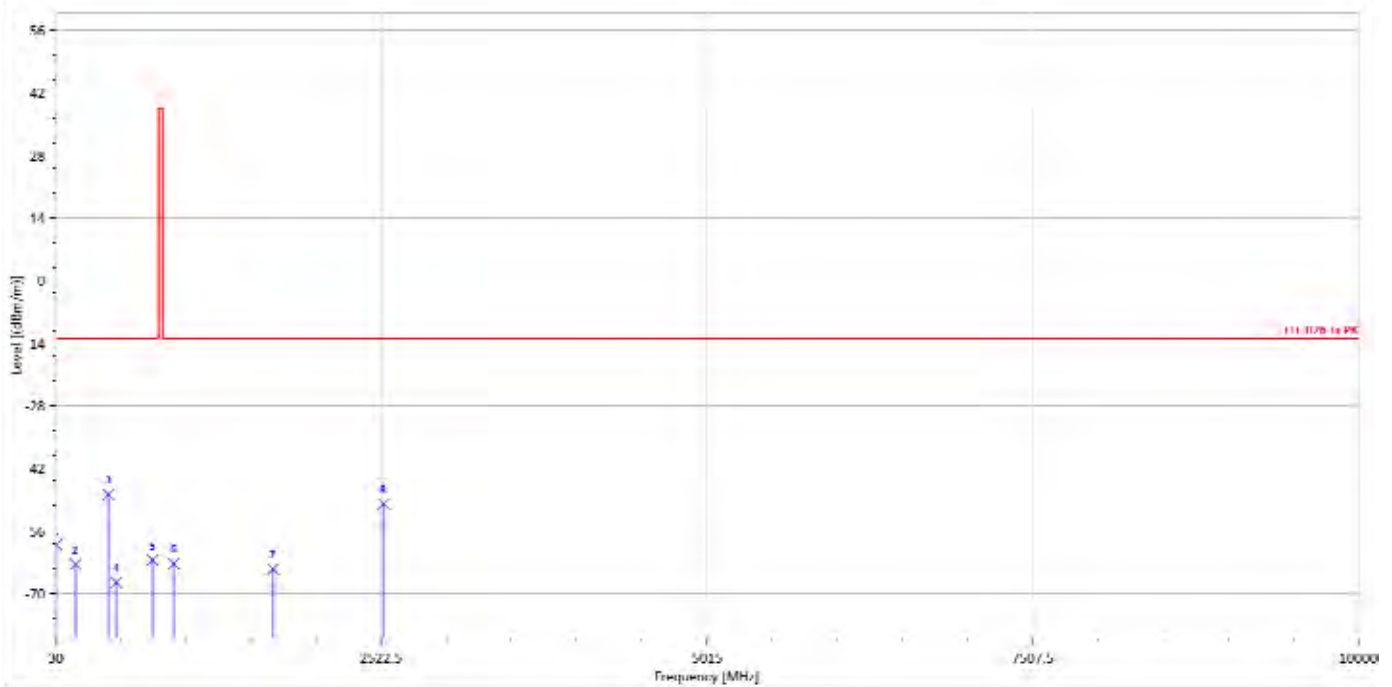
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Operation Mode :	LTEB26 3M 16QAM 1.14	Test Date :	2018/2/6
Fundamental Frequency :	847.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
35.82	S	-59.13	-40.79	-17.49	-0.84	-13	-46.13
184.23	S	-63.53	-65.49	3.87	-1.91	-13	-50.53
434.49	S	-47.86	-48.35	3.49	-2.99	-13	-34.86
494.63	S	-67.58	-68.37	3.99	-3.21	-13	-54.58
773.02	S	-62.54	-63.70	5.19	-4.02	-13	-49.54
935.01	S	-63.35	-64.22	5.36	-4.49	-13	-50.35
1695.00	H	-64.53	-64.75	6.77	-6.55	-13	-51.53
2542.50	H	-49.98	-50.70	8.60	-7.88	-13	-36.98

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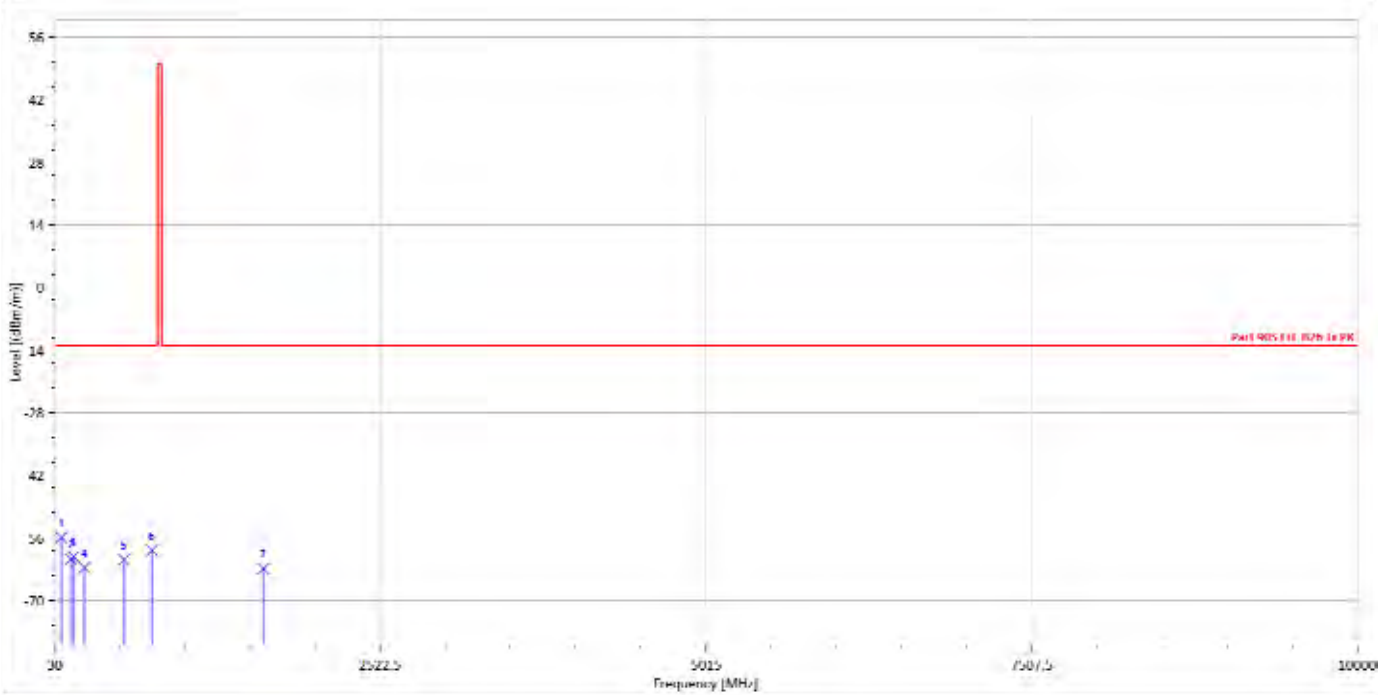
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Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S

Operation Mode :	LTEB26 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	814.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
82.38	S	-55.90	-52.84	-1.82	-1.24	-13	-42.90
156.10	S	-60.73	-59.91	0.93	-1.75	-13	-47.73
175.50	S	-60.22	-61.54	3.18	-1.86	-13	-47.22
257.95	S	-62.70	-62.62	2.22	-2.29	-13	-49.70
562.53	S	-60.87	-61.49	4.06	-3.44	-13	-47.87
775.93	S	-58.80	-59.96	5.19	-4.03	-13	-45.80
1629.40	H	-62.93	-63.01	6.49	-6.41	-13	-49.93

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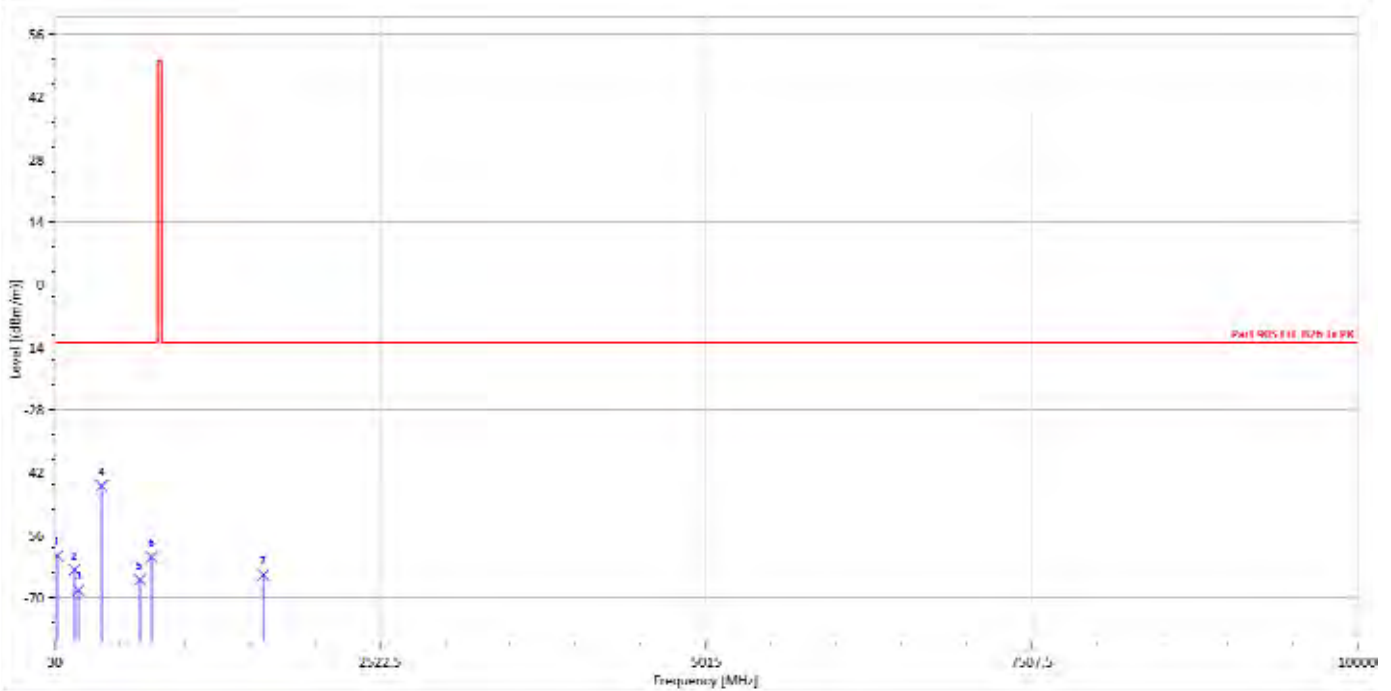
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Operation Mode :	LTEB26 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	814.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
51.34	S	-60.68	-53.09	-6.63	-0.96	-13	-47.68
183.26	S	-63.84	-65.76	3.82	-1.90	-13	-50.84
214.30	S	-68.37	-70.31	4.00	-2.06	-13	-55.37
391.81	S	-45.07	-45.47	3.24	-2.84	-13	-32.07
683.78	S	-66.10	-67.24	4.92	-3.78	-13	-53.10
773.02	S	-60.99	-62.16	5.19	-4.02	-13	-47.99
1629.40	H	-64.95	-65.03	6.49	-6.41	-13	-51.95

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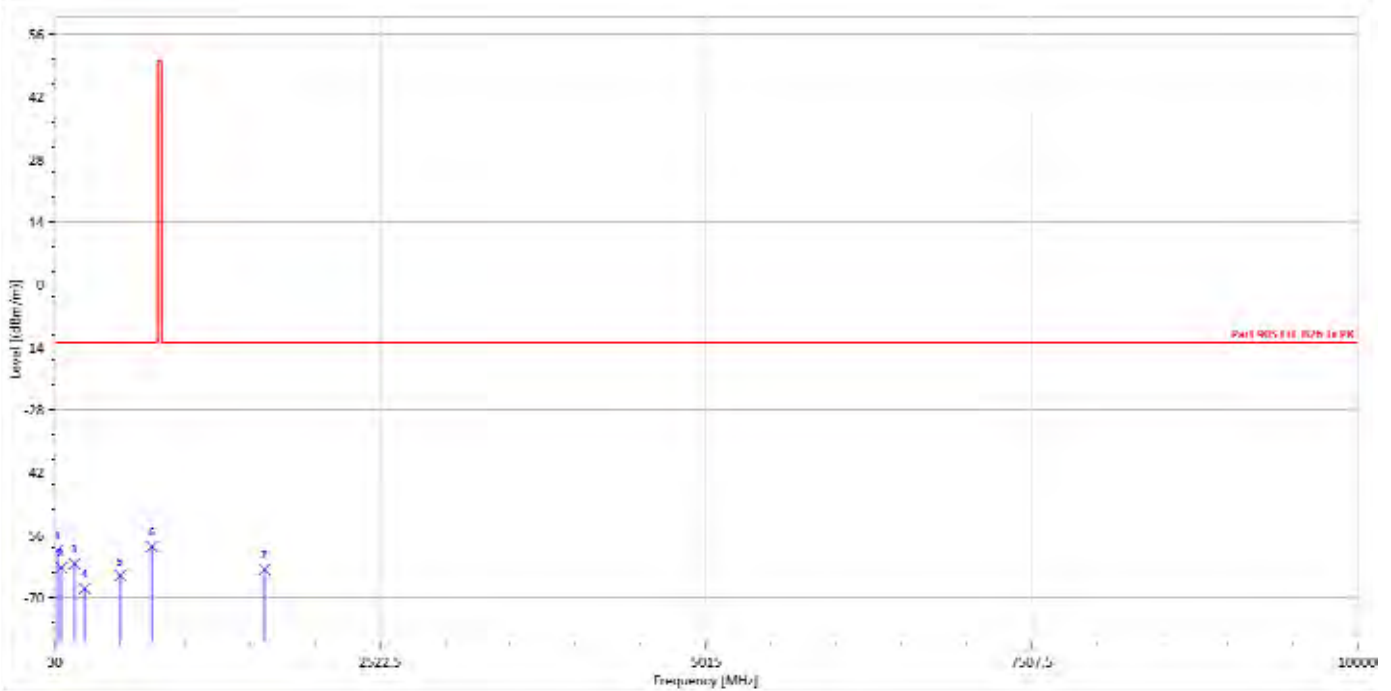
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Operation Mode :	LTEB26 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	819 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.43	-52.59	-5.85	-0.98	-13	-46.43
81.41	S	-63.38	-60.38	-1.76	-1.23	-13	-50.38
183.26	S	-62.47	-64.39	3.82	-1.90	-13	-49.47
260.86	S	-68.02	-67.87	2.15	-2.30	-13	-55.02
533.43	S	-65.12	-65.76	3.99	-3.36	-13	-52.12
775.93	S	-58.67	-59.82	5.19	-4.03	-13	-45.67
1638.00	H	-63.73	-63.83	6.53	-6.43	-13	-50.73

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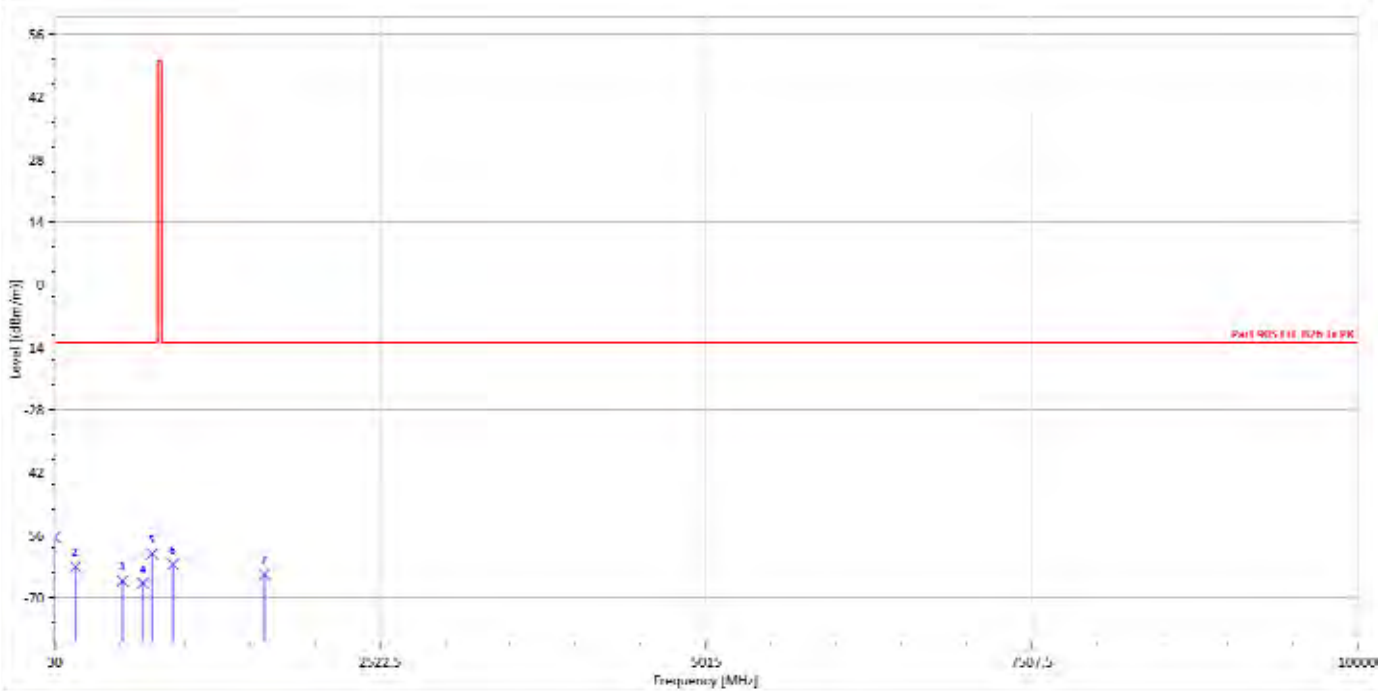
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Operation Mode :	LTEB26 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	819 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
30.97	S	-56.51	-34.03	-21.66	-0.82	-13	-43.51
191.02	S	-63.15	-65.31	4.10	-1.95	-13	-50.15
550.89	S	-66.31	-66.87	3.98	-3.41	-13	-53.31
706.09	S	-66.82	-68.05	5.07	-3.84	-13	-53.82
776.90	S	-60.24	-61.40	5.19	-4.04	-13	-47.24
936.95	S	-62.62	-63.50	5.37	-4.49	-13	-49.62
1638.00	H	-64.88	-64.98	6.53	-6.43	-13	-51.88

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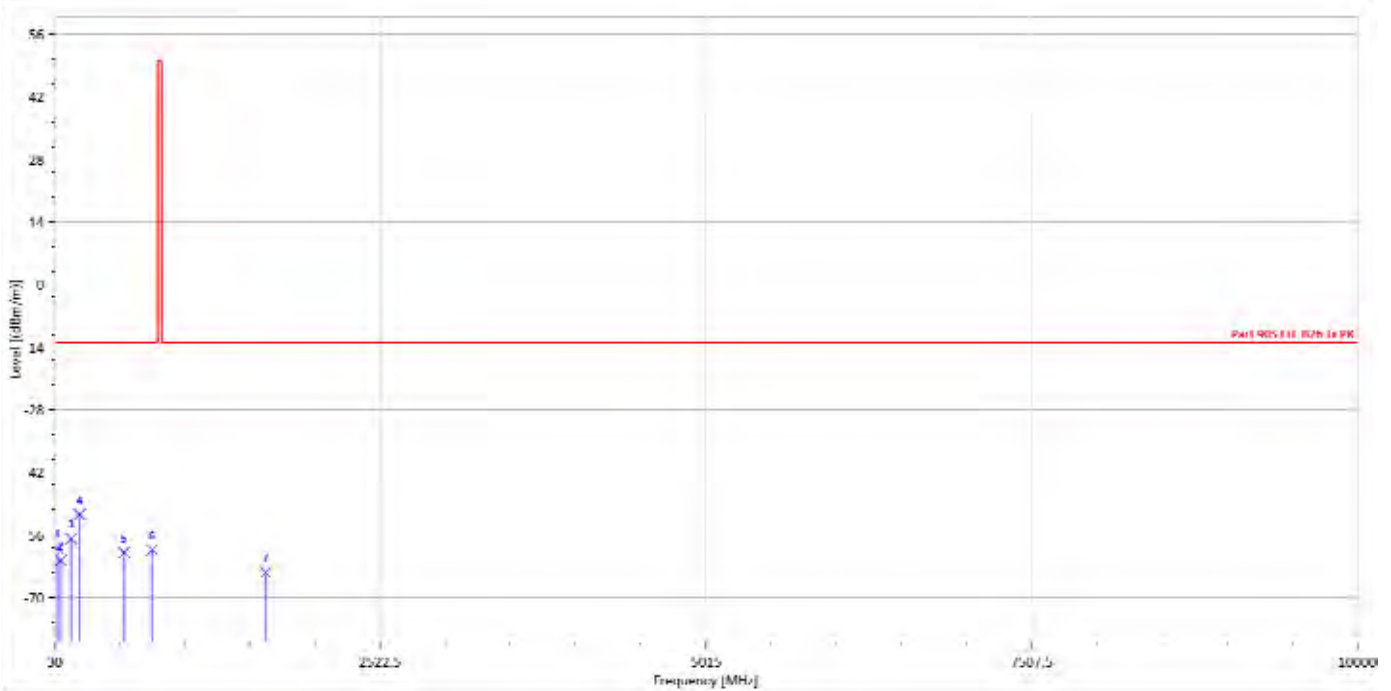
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Operation Mode : LTEB26 1.4M QPSK 1.5 Test Date : 2018/2/6
 Fundamental Frequency : 823.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-58.92	-52.09	-5.85	-0.98	-13	-45.92
78.50	S	-61.73	-58.81	-1.72	-1.21	-13	-48.73
157.07	S	-56.83	-56.10	1.03	-1.75	-13	-43.83
221.09	S	-51.42	-53.29	3.96	-2.10	-13	-38.42
562.53	S	-59.98	-60.60	4.06	-3.44	-13	-46.98
775.93	S	-59.35	-60.51	5.19	-4.03	-13	-46.35
1646.60	H	-64.41	-64.53	6.57	-6.45	-13	-51.41

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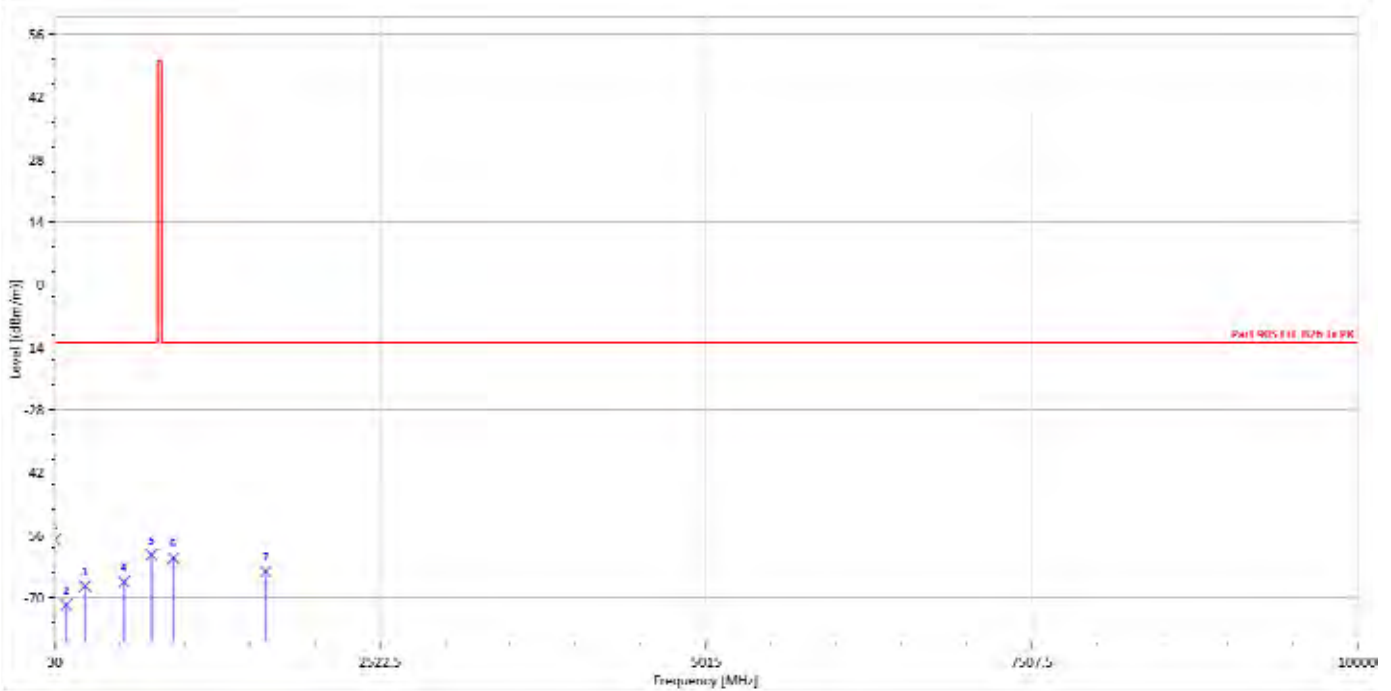
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Operation Mode :	LTEB26 1.4M QPSK 1.5	Test Date :	2018/2/6
Fundamental Frequency :	823.3 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-57.11	-36.30	-19.97	-0.83	-13	-44.11
120.21	S	-71.62	-66.86	-3.24	-1.51	-13	-58.62
262.80	S	-67.48	-67.52	2.35	-2.31	-13	-54.48
562.53	S	-66.55	-67.17	4.06	-3.44	-13	-53.55
773.02	S	-60.48	-61.65	5.19	-4.02	-13	-47.48
939.86	S	-61.18	-62.05	5.38	-4.50	-13	-48.18
1646.60	H	-64.20	-64.32	6.57	-6.45	-13	-51.20

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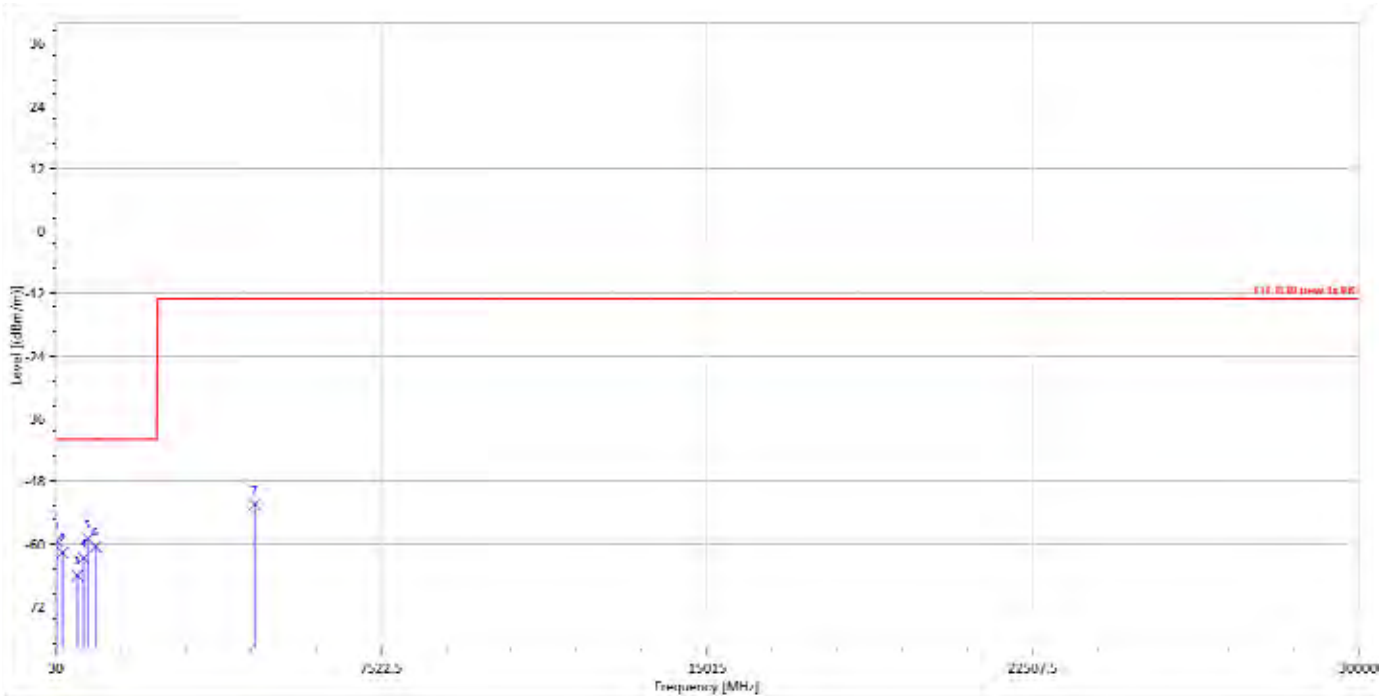
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Radiated Spurious Emission Measurement Result: LTE-Band 30

Operation Mode :	LTEB30 5M 16QAM 1.0	Test Date :	2018/2/6
Fundamental Frequency :	2307.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.40	-54.58	-3.84	-0.98	-40	-19.40
191.02	S	-61.70	-65.63	5.87	-1.95	-40	-21.70
533.43	S	-66.03	-69.18	6.51	-3.36	-40	-26.03
672.14	S	-62.74	-66.40	7.41	-3.75	-40	-22.74
773.02	S	-59.00	-62.72	7.74	-4.02	-40	-19.00
957.32	S	-60.55	-63.99	7.99	-4.54	-40	-20.55
4615.00	H	-52.46	-55.43	12.58	-9.61	-13	-39.46

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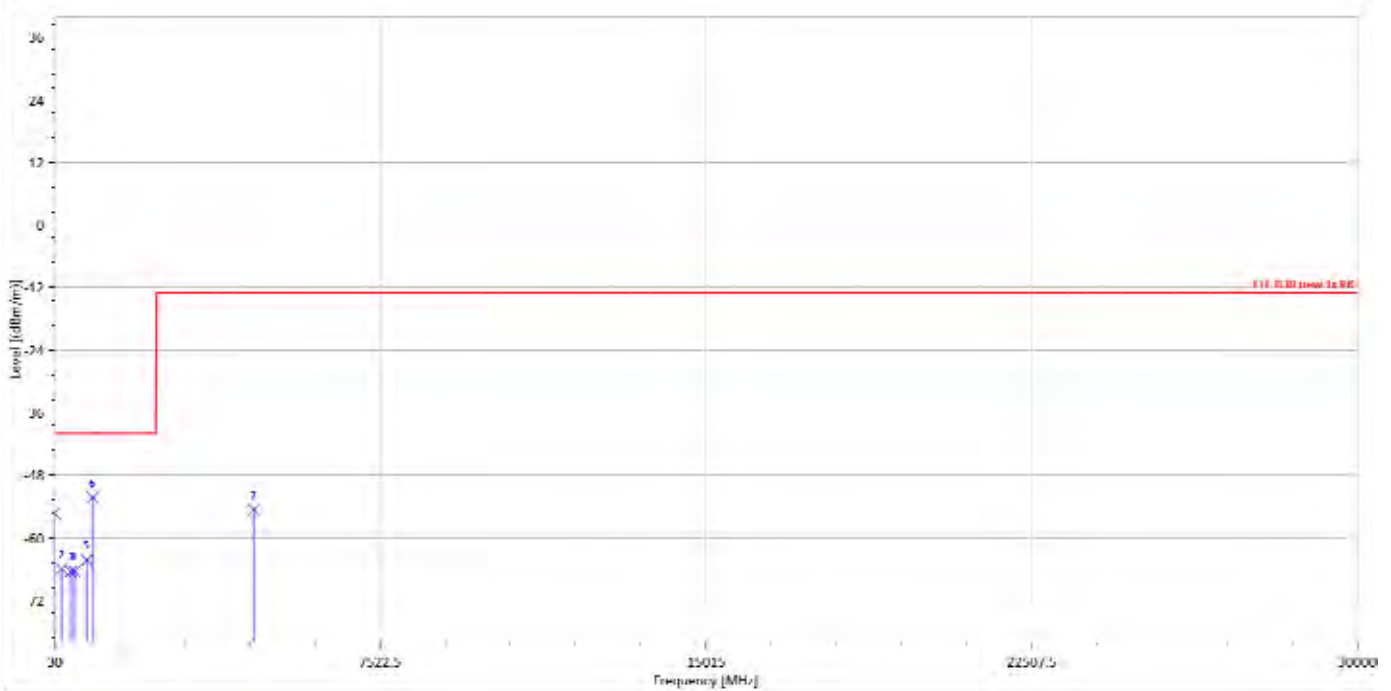
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Operation Mode : LTEB30 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 2307.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH LOW Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-55.36	-35.75	-18.78	-0.83	-40	-15.36
191.99	S	-65.95	-69.86	5.85	-1.95	-40	-25.95
408.30	S	-66.47	-69.40	5.84	-2.91	-40	-26.47
490.75	S	-66.48	-69.74	6.45	-3.19	-40	-26.48
773.99	S	-64.27	-67.98	7.74	-4.03	-40	-24.27
909.79	S	-52.22	-55.69	7.91	-4.43	-40	-12.22
4615.00	H	-54.71	-57.68	12.58	-9.61	-13	-41.71

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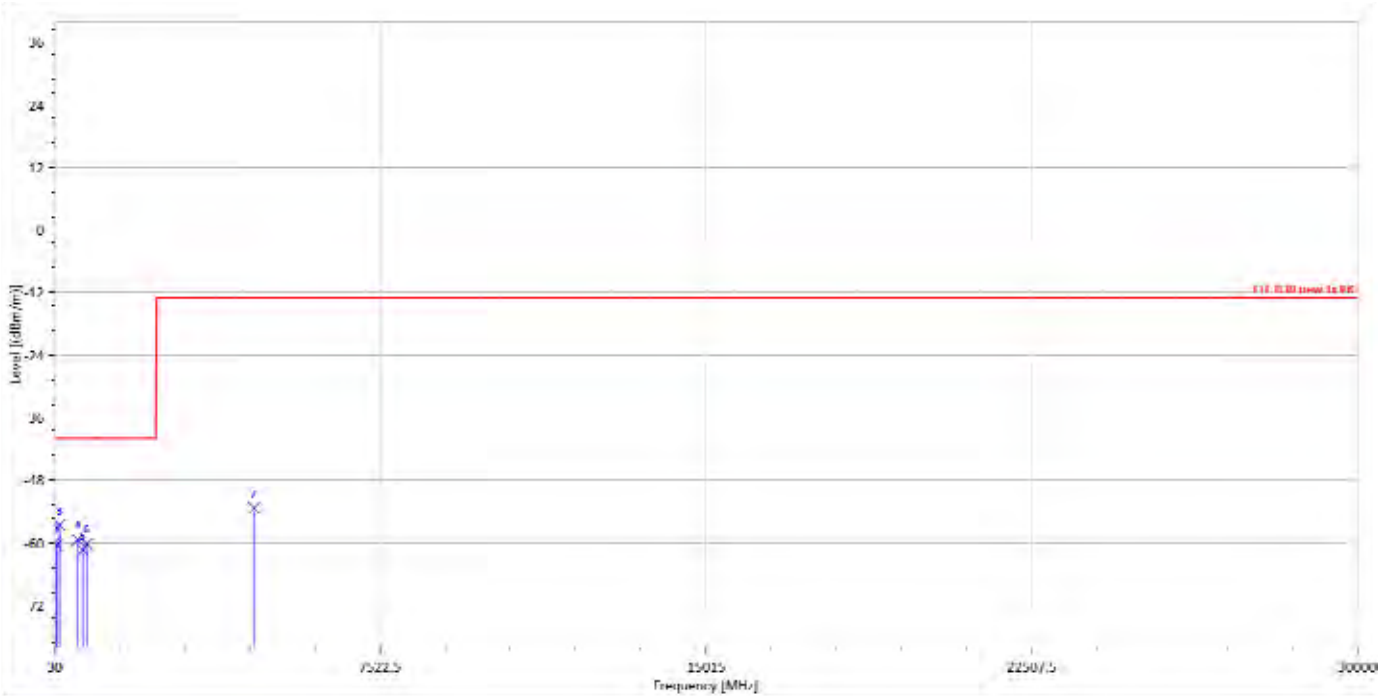
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Operation Mode : LTEB30 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 2310 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.74	-54.92	-3.84	-0.98	-40	-19.74
78.50	S	-60.45	-59.66	0.42	-1.21	-40	-20.45
146.40	S	-56.58	-56.56	1.66	-1.69	-40	-16.58
562.53	S	-59.42	-62.61	6.63	-3.44	-40	-19.42
683.78	S	-61.38	-65.14	7.54	-3.78	-40	-21.38
773.99	S	-60.24	-63.96	7.74	-4.03	-40	-20.24
4620.00	H	-53.31	-56.27	12.58	-9.61	-13	-40.31

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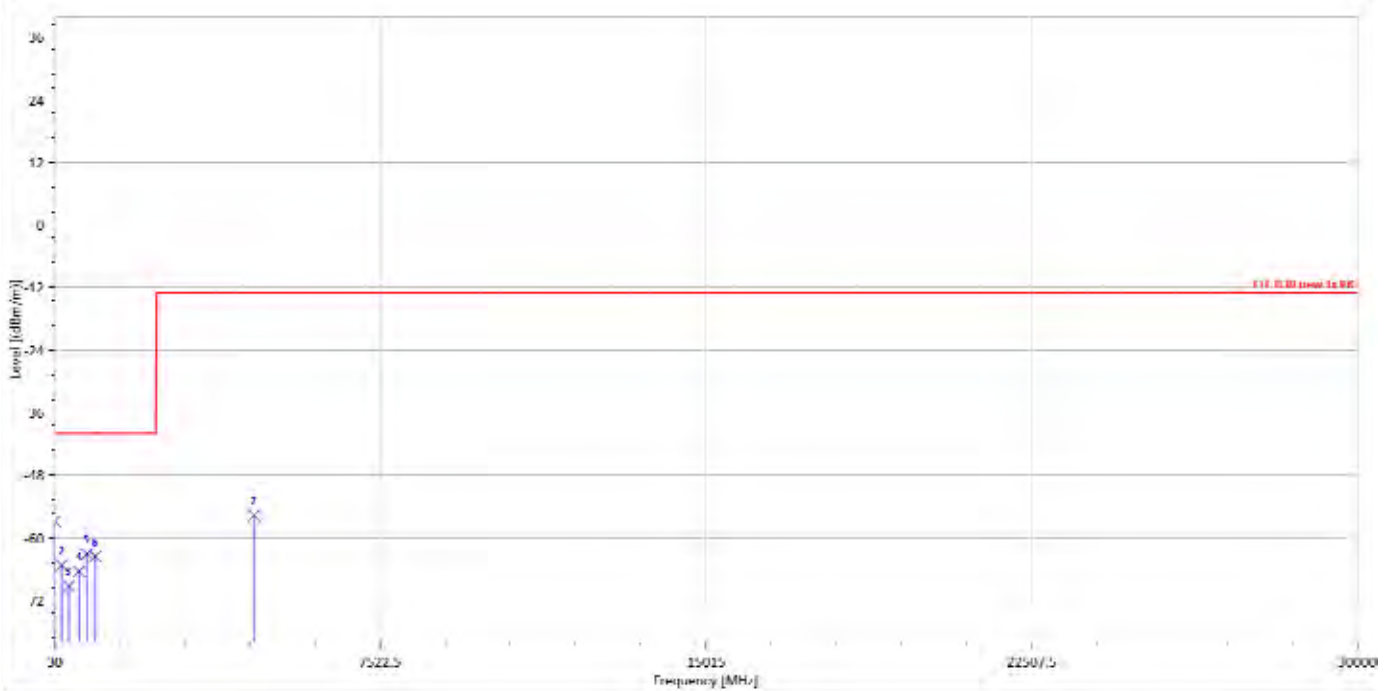
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Operation Mode : LTEB30 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 2310 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.86	-37.26	-18.78	-0.83	-40	-16.86
191.99	S	-65.23	-69.14	5.85	-1.95	-40	-25.23
359.80	S	-69.24	-72.47	5.94	-2.71	-40	-29.24
596.48	S	-66.43	-69.81	6.94	-3.56	-40	-26.43
773.99	S	-63.09	-66.80	7.74	-4.03	-40	-23.09
967.02	S	-63.56	-67.00	8.01	-4.57	-40	-23.56
4620.00	H	-55.69	-58.65	12.58	-9.61	-13	-42.69

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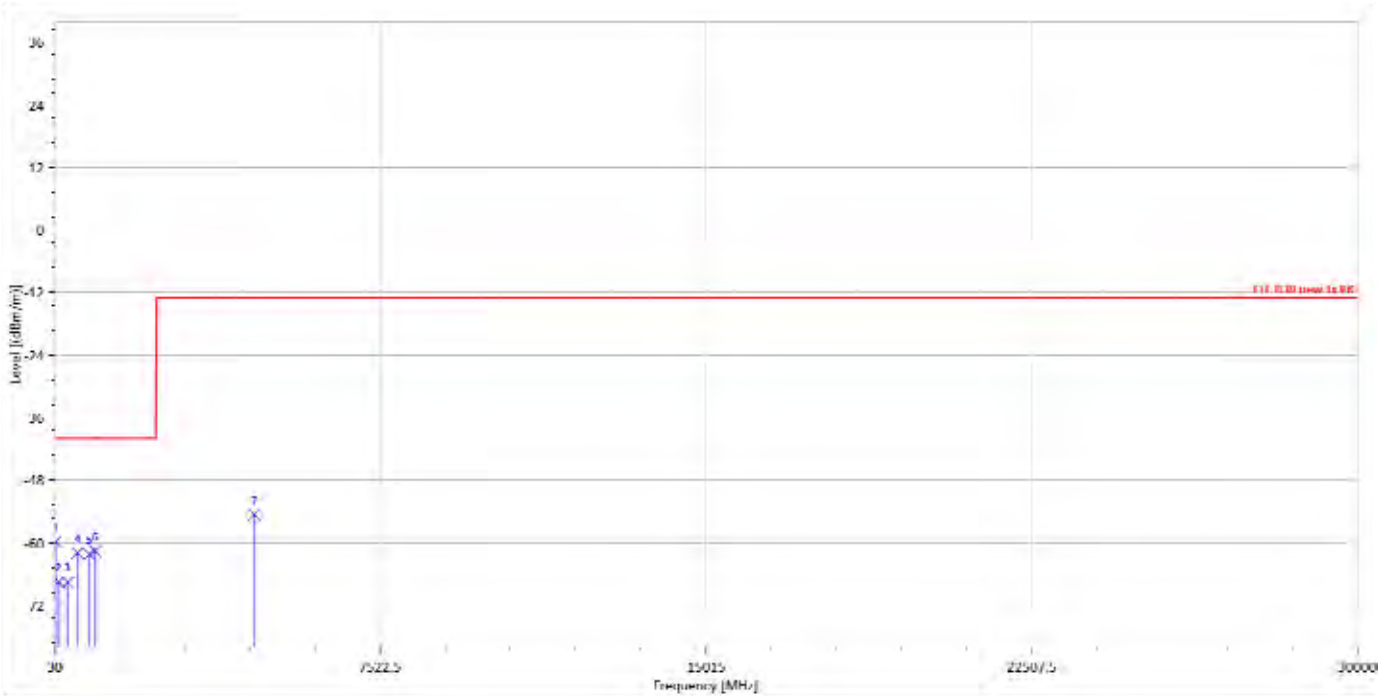
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Operation Mode : LTEB30 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 2312.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.76	-54.94	-3.84	-0.98	-40	-19.76
133.79	S	-67.50	-65.95	0.06	-1.61	-40	-27.50
333.61	S	-67.59	-70.92	5.95	-2.61	-40	-27.59
562.53	S	-61.95	-65.14	6.63	-3.44	-40	-21.95
831.22	S	-62.18	-65.76	7.79	-4.20	-40	-22.18
966.05	S	-61.56	-65.00	8.01	-4.57	-40	-21.56
4625.00	H	-54.61	-57.57	12.58	-9.62	-13	-41.61

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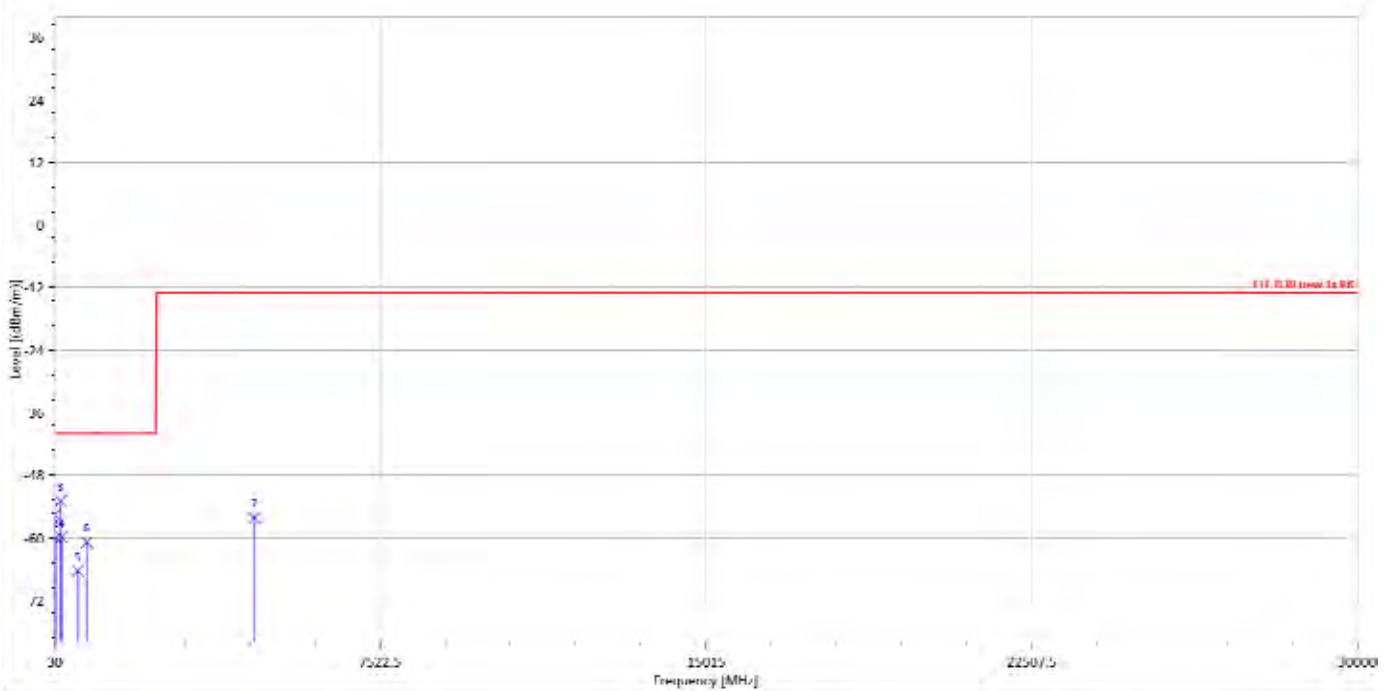
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Operation Mode : LTEB30 5M 16QAM 1.0 Test Date : 2018/2/6
 Fundamental Frequency : 2312.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH HIGH Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-55.59	-35.98	-18.78	-0.83	-40	-15.59
59.10	S	-60.01	-57.39	-1.58	-1.04	-40	-20.01
171.62	S	-52.97	-55.63	4.50	-1.84	-40	-12.97
191.02	S	-59.91	-63.83	5.87	-1.95	-40	-19.91
567.38	S	-66.37	-69.60	6.68	-3.45	-40	-26.37
772.05	S	-60.84	-64.56	7.74	-4.02	-40	-20.84
4625.00	H	-56.17	-59.12	12.58	-9.62	-13	-43.17

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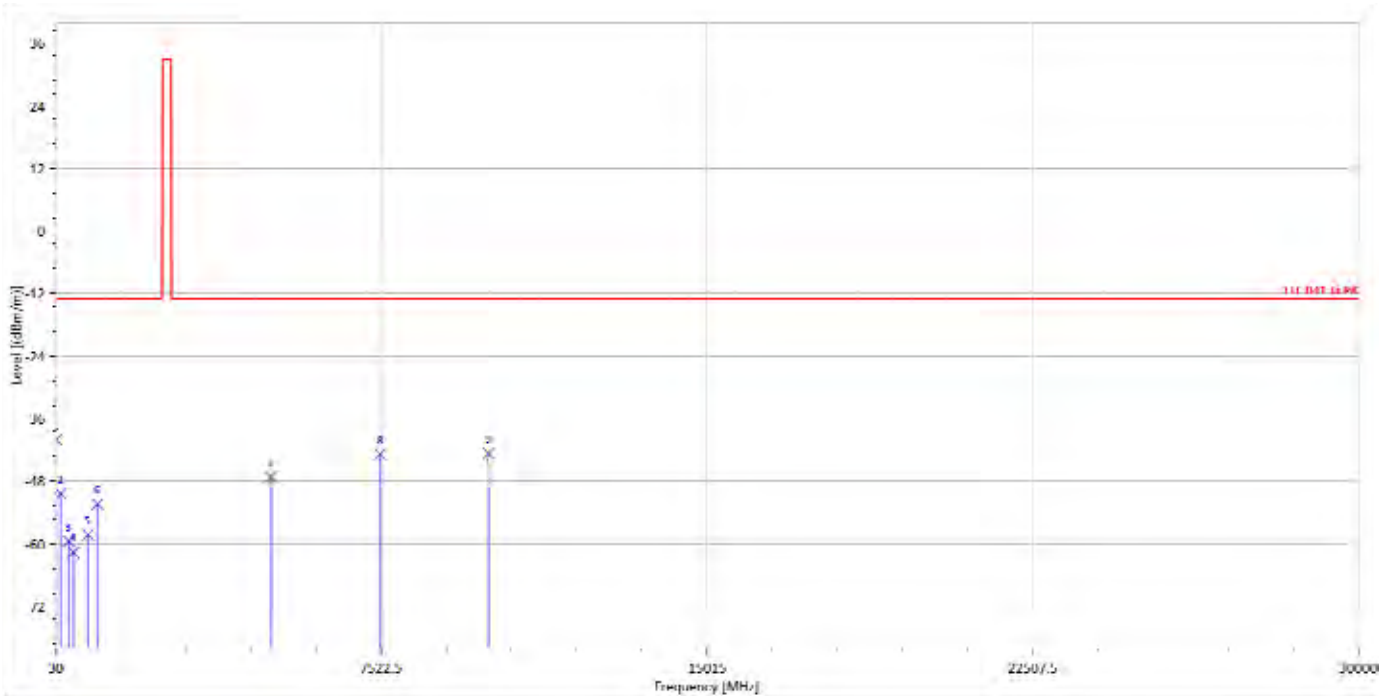
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Radiated Spurious Emission Measurement Result: LTE-Band 41

Operation Mode :	LTEB41 5M QPSK 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2498.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
42.61	S	-40.05	-29.16	-10.01	-0.88	-13	-27.05
148.34	S	-50.36	-50.58	1.92	-1.70	-13	-37.36
335.55	S	-59.52	-62.84	5.95	-2.62	-13	-46.52
444.19	S	-61.60	-64.79	6.21	-3.03	-13	-48.60
775.93	S	-58.24	-61.95	7.74	-4.03	-13	-45.24
994.18	S	-52.42	-55.88	8.09	-4.63	-13	-39.42
4997.00	H	-47.16	-49.74	12.50	-9.92	-13	-34.16
7495.50	H	-42.82	-42.57	11.31	-11.56	-13	-29.82
9994.00	H	-42.70	-41.45	11.40	-12.65	-13	-29.70

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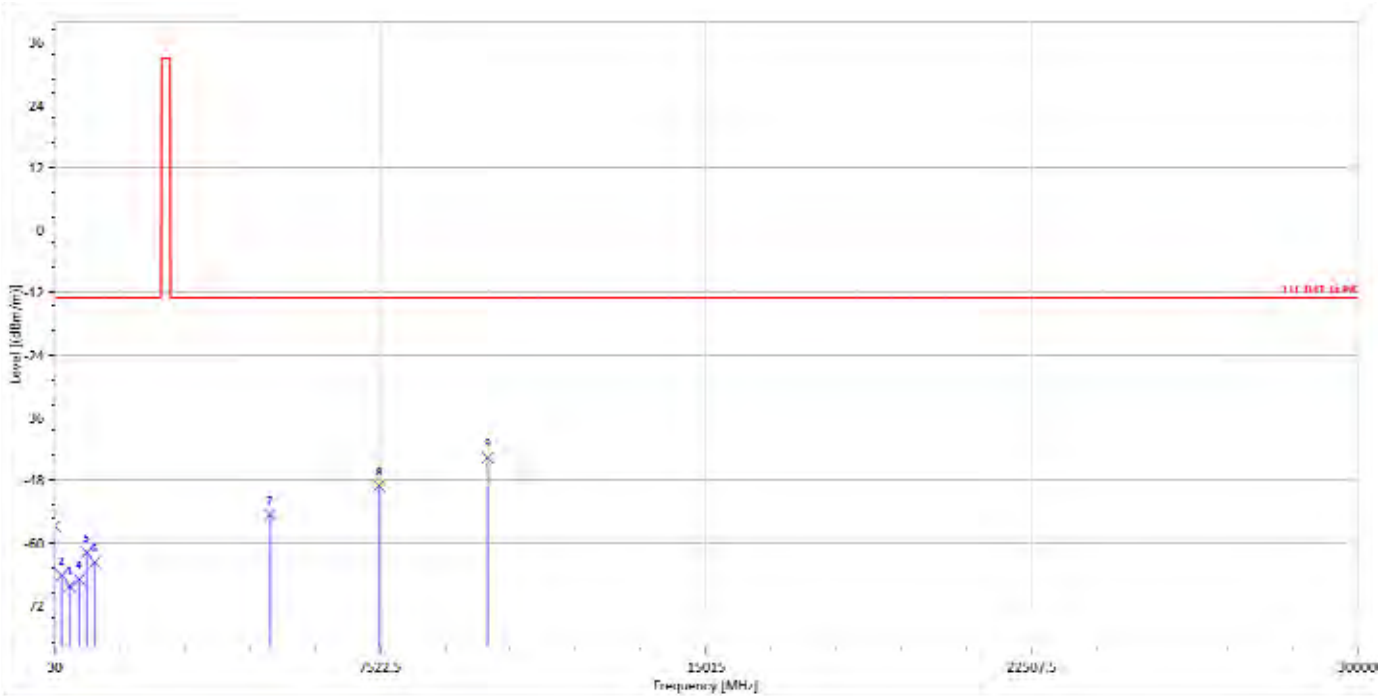
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Operation Mode :	LTEB41 5M QPSK 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2498.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-56.83	-38.78	-17.21	-0.84	-13	-43.83
191.99	S	-66.27	-70.18	5.85	-1.95	-13	-53.27
381.14	S	-68.29	-71.33	5.84	-2.79	-13	-55.29
598.42	S	-67.01	-70.41	6.96	-3.56	-13	-54.01
773.02	S	-61.84	-65.56	7.74	-4.02	-13	-48.84
951.50	S	-63.74	-67.18	7.97	-4.52	-13	-50.74
4997.00	H	-54.57	-57.16	12.50	-9.92	-13	-41.57
7495.50	H	-49.05	-48.80	11.31	-11.56	-13	-36.05
9994.00	H	-43.68	-42.43	11.40	-12.65	-13	-30.68

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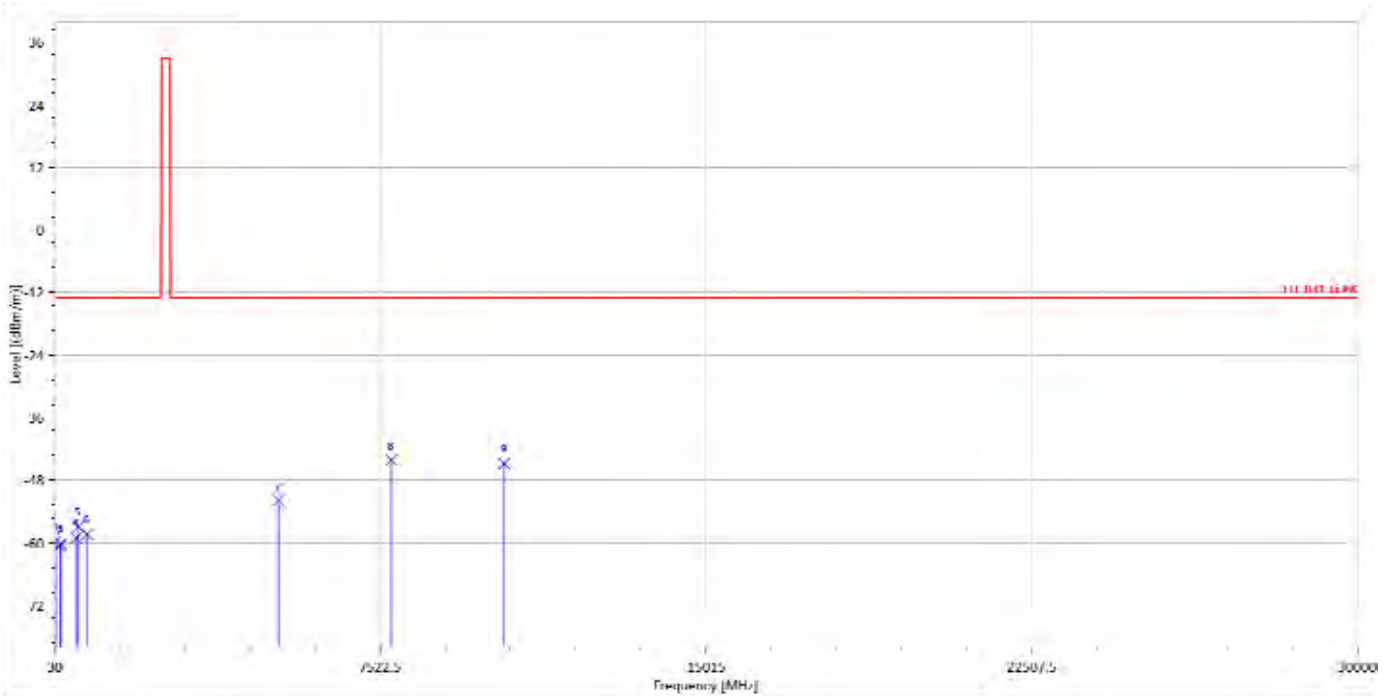
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Operation Mode : LTEB41 5M QPSK 1.24 Test Date : 2018/2/6
 Fundamental Frequency : 2593 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH MID Test Engineer : Ashton
 EUT Pol. : H Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.74	-54.92	-3.84	-0.98	-13	-46.74
154.16	S	-60.56	-61.40	2.57	-1.73	-13	-47.56
181.32	S	-60.15	-63.74	5.48	-1.89	-13	-47.15
531.49	S	-59.04	-62.19	6.51	-3.35	-13	-46.04
576.11	S	-56.90	-60.18	6.76	-3.48	-13	-43.90
775.93	S	-58.38	-62.09	7.74	-4.03	-13	-45.38
5186.00	H	-51.83	-54.46	12.69	-10.06	-13	-38.83
7779.00	H	-44.11	-43.75	11.30	-11.66	-13	-31.11
10372.00	H	-44.80	-43.11	11.18	-12.86	-13	-31.80

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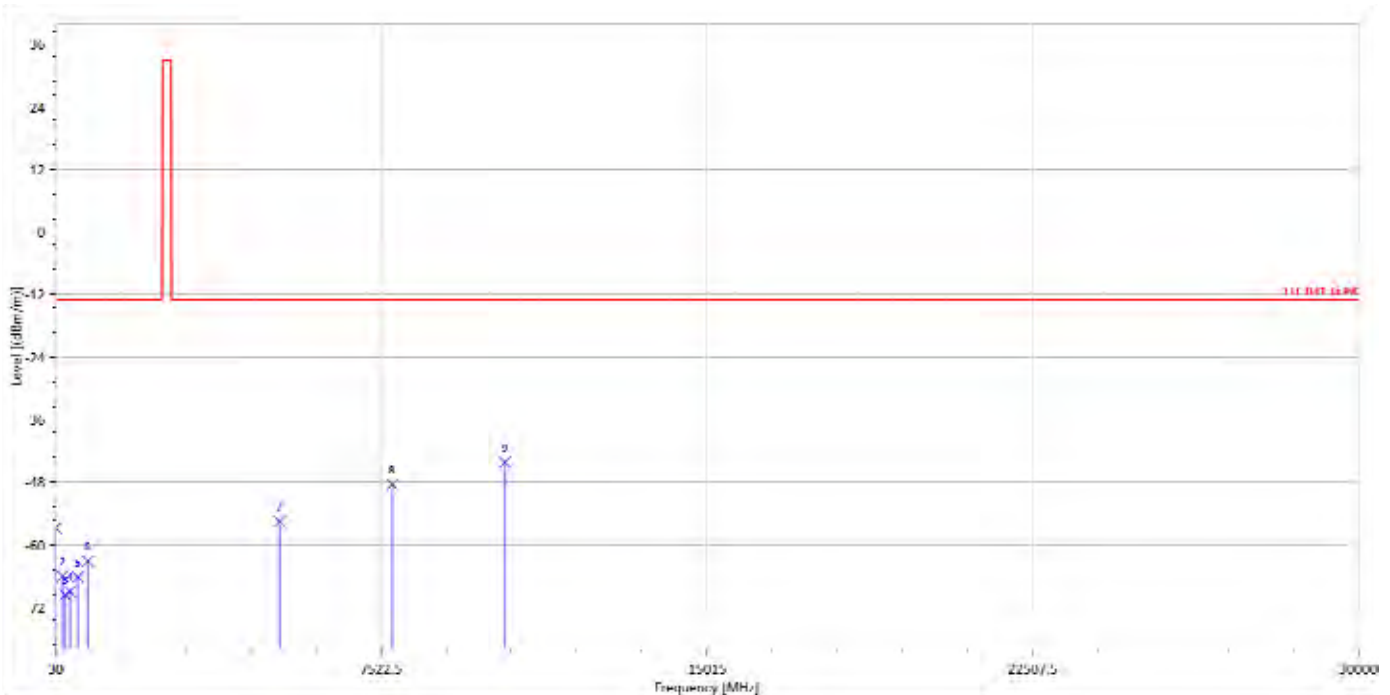
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Operation Mode :	LTEB41 5M QPSK 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2593 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



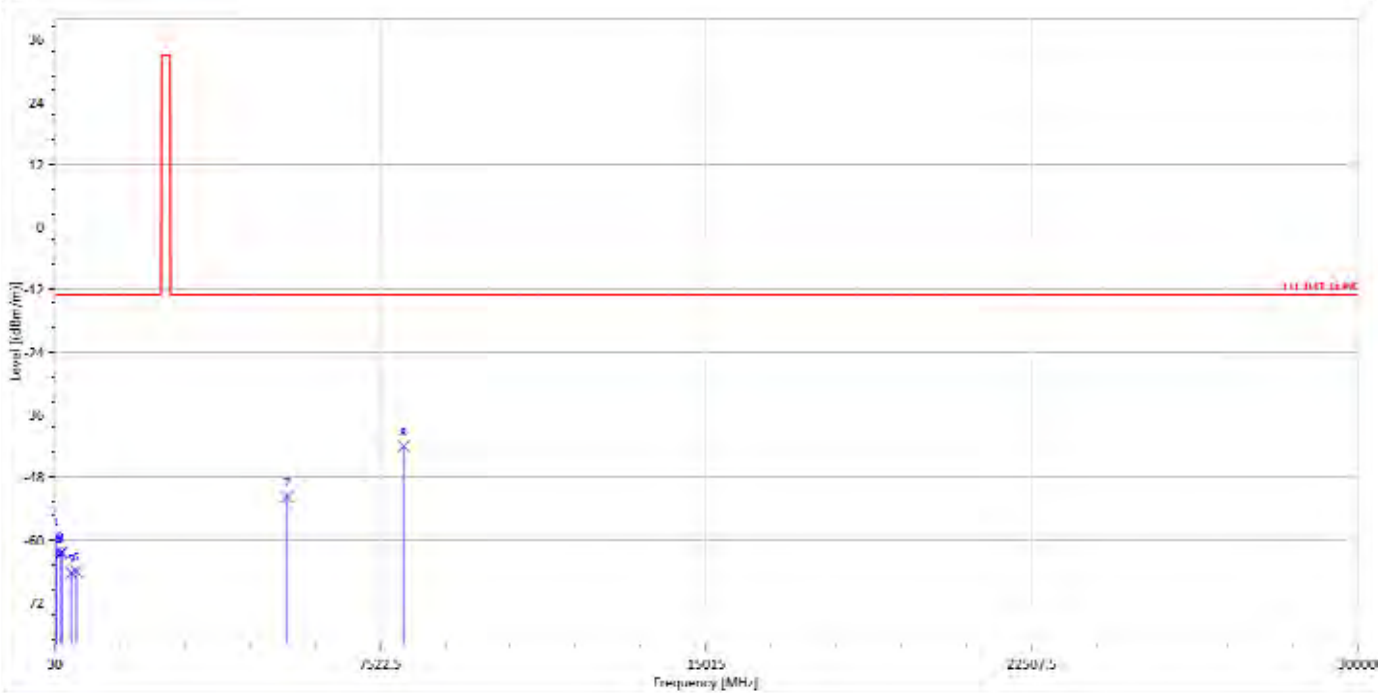
Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-56.79	-37.96	-18.00	-0.83	-13	-43.79
191.99	S	-66.00	-69.90	5.85	-1.95	-13	-53.00
254.07	S	-69.59	-72.22	4.90	-2.27	-13	-56.59
362.71	S	-68.93	-72.14	5.93	-2.72	-13	-55.93
544.10	S	-66.18	-69.30	6.51	-3.39	-13	-53.18
774.96	S	-63.15	-66.86	7.74	-4.03	-13	-50.15
5186.00	H	-55.53	-58.16	12.69	-10.06	-13	-42.53
7779.00	H	-48.43	-48.07	11.30	-11.66	-13	-35.43
10372.00	H	-44.15	-42.46	11.18	-12.86	-13	-31.15

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Operation Mode :	LTEB41 5M QPSK 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2687.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
53.28	S	-59.32	-54.50	-3.84	-0.98	-13	-46.32
76.56	S	-62.45	-61.61	0.35	-1.19	-13	-49.45
182.29	S	-62.62	-66.25	5.52	-1.89	-13	-49.62
191.02	S	-62.28	-66.21	5.87	-1.95	-13	-49.28
417.03	S	-66.32	-69.31	5.93	-2.94	-13	-53.32
534.40	S	-65.98	-69.13	6.51	-3.36	-13	-52.98
5375.00	H	-51.78	-54.47	12.88	-10.19	-13	-38.78
8062.50	H	-42.06	-41.70	11.40	-11.76	-13	-29.06

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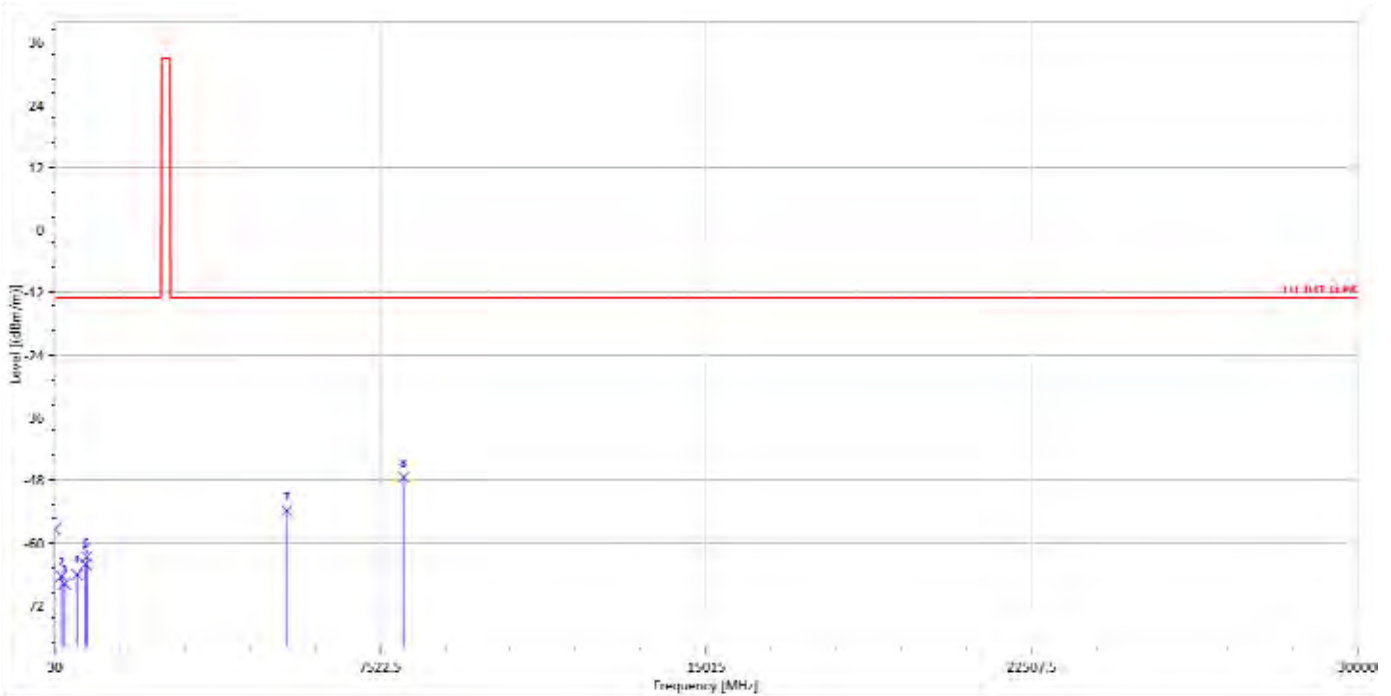
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Operation Mode :	LTEB41 5M QPSK 1.24	Test Date :	2018/2/6
Fundamental Frequency :	2687.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-57.33	-38.50	-18.00	-0.83	-13	-44.33
191.02	S	-66.37	-70.30	5.87	-1.95	-13	-53.37
261.83	S	-67.85	-70.20	4.66	-2.31	-13	-54.85
549.92	S	-66.11	-69.22	6.52	-3.41	-13	-53.11
744.89	S	-64.11	-67.90	7.71	-3.92	-13	-51.11
772.05	S	-62.66	-66.38	7.74	-4.02	-13	-49.66
5375.00	H	-53.87	-56.55	12.88	-10.19	-13	-40.87
8062.50	H	-47.42	-47.06	11.40	-11.76	-13	-34.42

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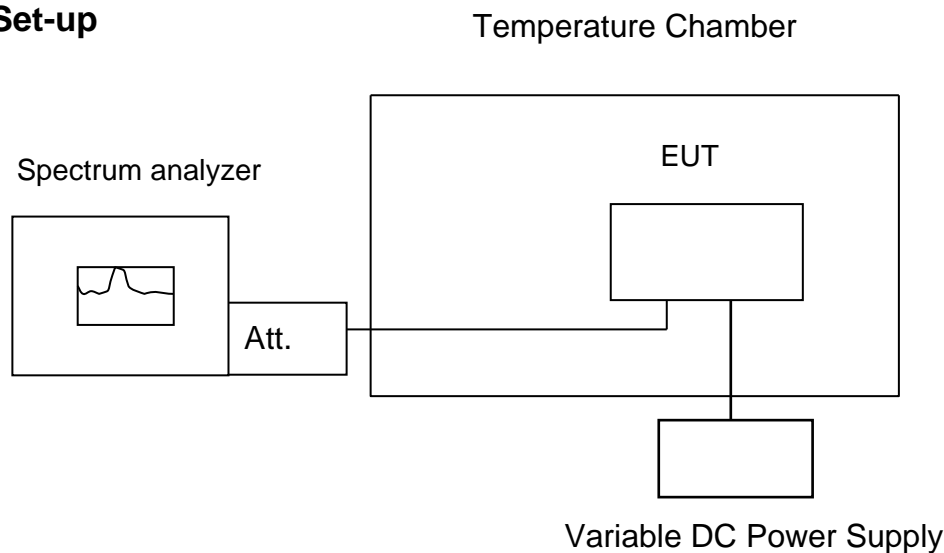
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11. FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicabl

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

11.2. Test Set-up



Note: Measurement setup for testing on Antenna connector

11.3. Measurement Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 25 . Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

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11.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/24/2017	12/23/2018
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/24/2017	12/23/2018
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF23	12/24/2017	12/23/2018
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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11.5. Measurement Result

Reference Frequency: WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	1879999975	-24	4700
12	20	1879999999	-11	4700
10.2	20	1880000010	-1	4700
10.1 (End point)	20	1880000011	2	4700
FREQUENCY ERROR vs. Temp.				
Reference Frequency: WCDMA II Mid Channel 1880				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
12	50	1879999987	-20	4700
12	40	1880000007	6	4700
12	30	1880000001	9	4700
12	20	1879999992	-27	4700
12	10	1880000019	26	4700
12	0	1879999993	-27	4700
12	-10	1880000020	15	4700
12	-20	1880000005	-4	4700
12	-30	1880000009	22	4700

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Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	1732600003	7	4331
12	20	1732599996	-17	4331
10.2	20	1732600013	-3	4331
10.1 (End point)	20	1732600016	-5	4331
FREQUENCY ERROR vs. Temp.				
Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
12	50	1732600002	15	4331
12	40	1732599987	8	4331
12	30	1732599979	-34	4331
12	20	1732600013	-4	4331
12	10	1732600017	22	4331
12	0	1732599995	-13	4331
12	-10	1732600008	25	4331
12	-20	1732599983	-26	4331
12	-30	1732600009	7	4331

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Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	836599991	-11	2091
12	20	836600002	4	2091
10.2	20	836599998	-20	2091
10.1 (End point)	20	836600018	-1	2091
FREQUENCY ERROR vs. Temp.				
Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
12	50	836600022	44	2091
12	40	836599978	-40	2091
12	30	836600018	34	2091
12	20	836599984	-11	2091
12	10	836599995	-14	2091
12	0	836600009	1	2091
12	-10	836600008	3	2091
12	-20	836600005	8	2091
12	-30	836599997	-25	2091

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Reference Freq.:		LTE B2 Mid Channel		1880	MHz 20M QPSK CH 18900
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	1880.000017	17.2	4700	
12	25	1880.000017	16.9	4700	
10.2	25	1880.000007	6.9	4700	
10 (End Point)	25	1879.999999	-1.2	4700	
Freq. ERROR vs. Temp.					
12	-30	1879.999984	-15.6	4700	
12	-20	1880.000020	19.9	4700	
12	-10	1879.999994	-6.4	4700	
12	0	1880.000018	18	4700	
12	10	1880.000004	4.4000001	4700	
12	20	1879.999988	-11.6	4700	
12	30	1879.999994	-5.7	4700	
12	40	1879.999990	-10.2	4700	
12	50	1880.000019	19.4	4700	
Reference Freq.:		LTE B4 Mid Channel		1732.5	MHz 20M QPSK CH 20175
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	1732.499989	-10.6	4331	
12	25	1732.499999	-1.2	4331	
10.2	25	1732.499987	-13	4331	
10 (End Point)	25	1732.499986	-13.9	4331	
Freq. ERROR vs. Temp.					
12	-30	1732.499988	-12.3	4331	
12	-20	1732.500011	10.6	4331	
12	-10	1732.499990	-9.8	4331	
12	0	1732.500006	6.0999998	4331	
12	10	1732.500007	7.0000001	4331	
12	20	1732.500016	16.3	4331	
12	30	1732.499993	-7	4331	
12	40	1732.500005	4.6	4331	
12	50	1732.499995	-5.5	4331	

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Reference Freq.:		LTE B5 Mid Channel		836.5	MHz 10M QPSK CH 20525
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	836.500006	6	2091	
12	25	836.500010	9.7999999	2091	
10.2	25	836.499981	-19.2	2091	
10 (End Point)	25	836.500010	9.7999999	2091	
Freq. ERROR vs. Temp.					
12	-30	836.499984	-16.1	2091	
12	-20	836.499996	-4.5	2091	
12	-10	836.499993	-7.1	2091	
12	0	836.500009	9.1000001	2091	
12	10	836.499999	-1.3	2091	
12	20	836.500020	19.8	2091	
12	30	836.499999	-1.3	2091	
12	40	836.499984	-16	2091	
12	50	836.499993	-6.6	2091	
Reference Freq.:		LTE B7 Mid Channel		2535	MHz 10M QPSK CH 21100
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	2535.000016	15.6	6338	
12	25	2534.999985	-15	6338	
10.2	25	2534.999986	-13.7	6338	
10 (End Point)	25	2534.999984	-16.2	6338	
Freq. ERROR vs. Temp.					
12	-30	2535.000014	14.3	6338	
12	-20	2535.000016	16	6338	
12	-10	2535.000016	16.3	6338	
12	0	2535.000011	10.6	6338	
12	10	2535.000011	11.2	6338	
12	20	2535.000006	5.5999999	6338	
12	30	2535.000002	2.1999999	6338	
12	40	2535.000017	16.9	6338	
12	50	2534.999987	-12.8	6338	

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Reference Freq.:		LTE B12 Mid Channel		707.5	MHz 10M QPSK CH 23095
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	707.500016	16.4	1769	
12	25	707.499980	-19.7	1769	
10.2	25	707.500007	7	1769	
10 (End Point)	25	707.500000	-0.2	1769	
Freq. ERROR vs. Temp.					
12	-30	707.500010	10.4	1769	
12	-20	707.499982	-18.5	1769	
12	-10	707.499999	-1.2	1769	
12	0	707.500011	11.1	1769	
12	10	707.499988	-11.9	1769	
12	20	707.499980	-19.8	1769	
12	30	707.499994	-6.4	1769	
12	40	707.499980	-19.7	1769	
12	50	707.499982	-18.1	1769	
Reference Freq.:		LTE B13 Mid Channel		782	MHz 10M QPSK CH 23230
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	782.000004	3.7999999	1955	
12	25	782.000003	3.1000001	1955	
10.2	25	781.999995	-5.1	1955	
10 (End Point)	25	781.999989	-10.6	1955	
Freq. ERROR vs. Temp.					
12	-30	782.000010	9.6	1955	
12	-20	781.999991	-9.4	1955	
12	-10	782.000009	8.5	1955	
12	0	781.999999	-1.2	1955	
12	10	781.999996	-4.3	1955	
12	20	782.000007	6.6	1955	
12	30	781.999992	-7.8	1955	
12	40	782.000009	9.3	1955	
12	50	782.000014	14.4	1955	

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Reference Freq.:		LTE B25 Mid Channel		1882.5	MHz 20M QPSK CH 26365
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	1882.500017	34.1000002	4700	
12	25	1882.499983	0	4700	
10.2	25	1882.499999	16.8000004	4700	
10 (End Point)	25	1882.500012	29.6000003	4700	
Freq. ERROR vs. Temp.					
12	-30	1882.500003	22.7	4700	
12	-20	1882.500001	28.9000002	4700	
12	-10	1882.499988	7.30000033	4700	
12	0	1882.500002	38.9000002	4700	
12	10	1882.500007	26.2000001	4700	
12	20	1882.499981	0	4700	
12	30	1882.500011	30.1000002	4700	
12	40	1882.499987	6.80000016	4700	
12	50	1882.499996	15.4000002	4700	
Reference Freq.:		LTE B26 Mid Channel		831.5	MHz 15M QPSK CH 26865
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	831.500011	11.3	2091	
12	25	831.500007	7.2	2091	
10.2	25	831.499984	-16.4	2091	
10 (End Point)	25	831.500005	4.6	2091	
Freq. ERROR vs. Temp.					
12	-30	831.499997	-3.1	2091	
12	-20	831.499986	-13.7	2091	
12	-10	831.500000	0.2	2091	
12	0	831.500010	10.1	2091	
12	10	831.499981	-19.3	2091	
12	20	831.500016	15.8	2091	
12	30	831.499990	-10.1	2091	
12	40	831.499980	-19.9	2091	
12	50	831.499992	-7.7	2091	

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Reference Freq.: Part 90 LTE B26 Mid Channel 819 MHz 10M QPSK CH 26740				
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE (LTE B26 for Part 90S)				
13.8	25	818.999989	-10.6	2048
12	25	819.000020	19.5	2048
10.2	25	819.000005	5.4	2048
10 (End Point)	25	819.000000	-0.3	2048
Freq. ERROR vs. Temp.				
12	-30	818.999983	-16.6	2048
12	-20	818.999998	-2.5	2048
12	-10	819.000012	11.8	2048
12	0	819.000019	18.5	2048
12	10	819.000004	4.1000001	2048
12	20	818.999998	-2.1	2048
12	30	819.000014	14.2	2048
12	40	819.000013	13.1	2048
12	50	819.000020	20	2048
Reference Freq.: LTE B30 Mid Channel 2310 MHz 10M QPSK CH 27710				
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
13.8	25	2310.000006	5.8999999	6488
12	25	2309.999981	-18.7	6488
10.2	25	2309.999989	-11.2	6488
10 (End Point)	25	2310.000009	9.3000003	6488
Freq. ERROR vs. Temp.				
12	-30	2309.999994	-6.1	6488
12	-20	2309.999996	-3.9	6488
12	-10	2309.999990	-9.7	6488
12	0	2309.999981	-19.1	6488
12	10	2310.000013	12.7	6488
12	20	2310.000006	5.8999999	6488
12	30	2310.000007	6.6999996	6488
12	40	2310.000018	17.7	6488
12	50	2309.999997	-3.2	6488

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Reference Freq.: LTE B41 Mid Channel 2593 MHz 10M QPSK CH 40620				
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
13.8	25	2592.999984	-16.1	6488
12	25	2593.000016	15.9	6488
10.2	25	2592.999992	-8.1	6488
10 (End Point)	25	2593.000006	6.3000002	6488
Freq. ERROR vs. Temp.				
12	-30	2593.000015	15.1	6488
12	-20	2592.999991	-9.5	6488
12	-10	2593.000001	1.1999996	6488
12	0	2592.999991	-9.5	6488
12	10	2593.000001	1.4000002	6488
12	20	2592.999993	-6.7	6488
12	30	2593.000013	13	6488
12	40	2593.000016	16.3	6488
12	50	2592.999990	-10.1	6488

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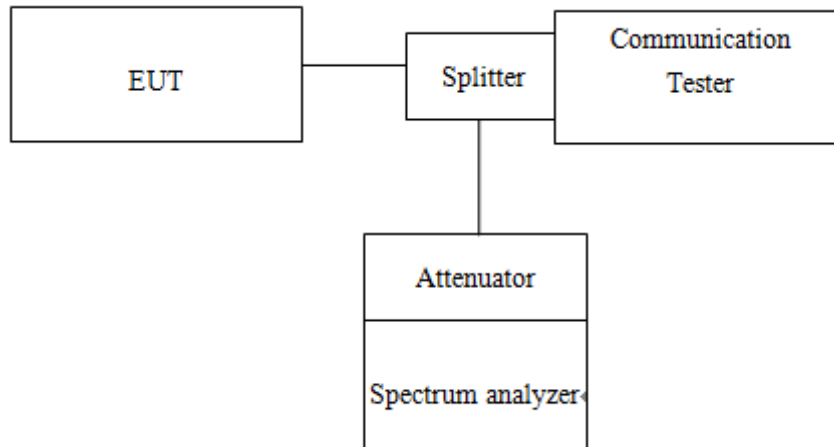
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12. PEAK TO AVERAGE RATIO

12.1. Standard Applicable

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

12.2. Test SET-UP



12.3. Measurement Procedure

1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
2. Set resolution/measurement bandwidth \geq signal's occupied bandwidth; & internal =1ms
3. Set the number of counts to a value that stabilizes the measured CCDF curve.

12.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/24/2017	12/23/2018
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/24/2017	12/23/2018
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF23	12/24/2017	12/23/2018
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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12.5. Measurement Result

Tabular Results:

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	9262	3.10	3.90	3.71
1880	9400	3.08	3.91	3.57
1907.6	9538	3.08	3.80	3.63

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	3.18	3.66	3.84
1732.6	1413	2.79	3.72	4.03
1752.6	1513	3.12	3.99	3.96

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	18607	6.13	13	1851.5	18615	6.15	13
1880.0	18900	6.12	13	1880.0	18900	6.08	13
1909.3	19193	6.29	13	1908.5	19185	6.23	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	18625	5.97	13	1855.0	18650	5.95	13
1880.0	18900	5.95	13	1880.0	18900	5.96	13
1907.5	19175	6.09	13	1905.0	19150	5.90	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	18675	6.73	13	1860.0	18700	7.18	13
1880.0	18900	6.67	13	1880.0	18900	7.00	13
1902.5	19125	6.75	13	1900.0	19100	7.18	13

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1710.7	19957	6.36	13	1711.5	19965	6.32	13
1732.5	20175	6.14	13	1732.5	20175	6.23	13
1754.3	20393	6.12	13	1753.5	20385	6.18	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	19957	6.20	13	1715.0	20000	6.13	13
1732.5	20175	6.07	13	1732.5	20175	6.03	13
1752.5	20375	6.12	13	1750.0	20350	6.18	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1717.5	20025	6.87	13	1720.0	20050	7.24	13
1732.5	20175	6.62	13	1732.5	20175	6.93	13
1747.5	20325	6.80	13	1745.0	20300	7.21	13

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2502.5	20775	5.82	13	2505.0	20800	5.87	13
2535.0	21100	5.79	13	2535.0	21100	5.88	13
2567.5	21375	5.81	13	2565.0	21350	5.91	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2507.5	20825	6.62	13	2510	20850	7.01	13
2535.0	21100	6.59	13	2535	21100	6.93	13
2562.5	21375	6.74	13	2560	21350	7.12	13

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LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
699.7	23017	6.42	13	700.5	23025	6.23	13
707.5	23095	6.22	13	707.5	23095	6.18	13
715.3	23173	6.04	13	714.5	23165	6.18	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
701.5	23035	6.13	13	704.0	23060	6.08	13
707.5	23095	6.17	13	707.5	23095	6.14	13
713.5	23155	6.08	13	711.0	23130	6.15	13

LTE BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
779.5	23205	5.98	13	782.0	23230	6.03	13
782.0	23230	6.12	13				
784.5	23255	5.71	13				

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LTE BAND 25							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	26047	5.74	13	1851.5	26055	5.87	13
1882.5	26365	5.66	13	1882.5	26365	5.78	13
1914.3	26683	5.64	13	1913.5	26675	5.87	13

LTE BAND 25							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	26065	5.82	13	1855.0	26090	4.93	13
1882.5	26365	5.61	13	1882.5	26365	5.79	13
1912.5	26665	5.77	13	1910.0	26640	5.83	13

LTE BAND 25							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	26115	6.61	13	1860.0	26140	7.02	13
1882.5	26365	6.52	13	1882.5	26365	6.77	13
1907.5	26615	6.47	13	1905.0	26590	6.87	13

LTE BAND 30							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
2307.5	27685	6.00	13	2310.0	27710	5.96	13
2310.0	27710	5.96	13				
2312.5	27735	6.00	13				

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LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2498.5	39675	10.51	13	2501.0	39700	10.60	13
2593.0	40620	11.64	13	2593.0	40620	10.43	13
2687.5	41565	11.17	13	2685.0	41540	9.10	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2503.5	39725	9.73	13	2506.0	39750	10.43	13
2593.0	40620	10.18	13	2593.0	40620	9.87	13
2682.5	41515	11.42	13	2680.0	41490	11.41	13

Measurement Results:

Please refer to next page.

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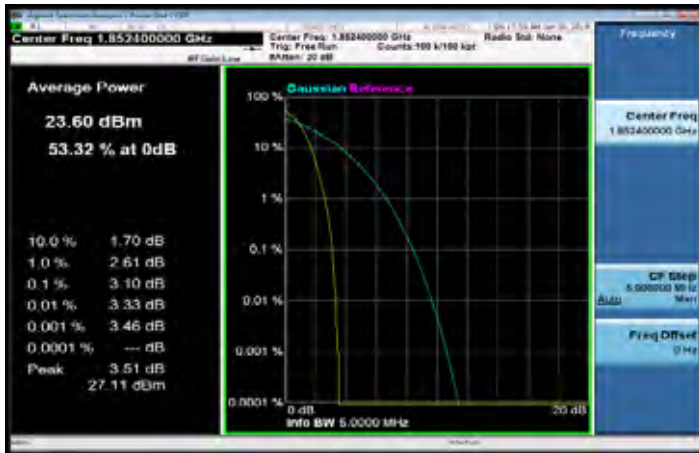
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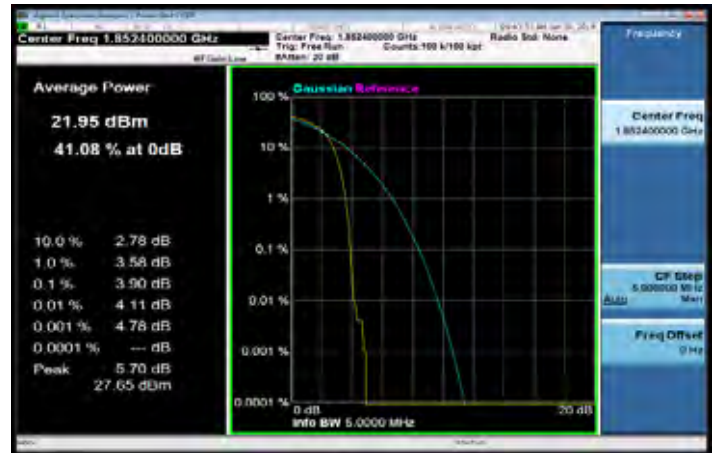
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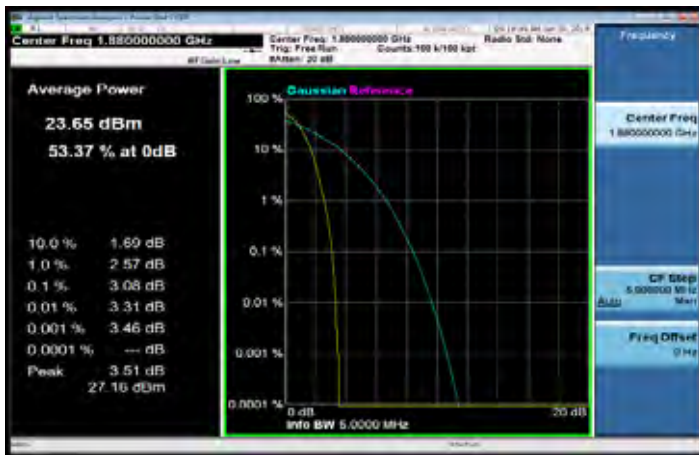
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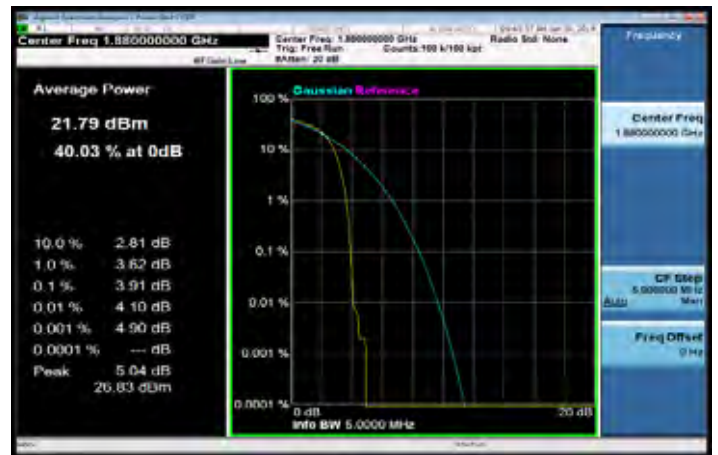
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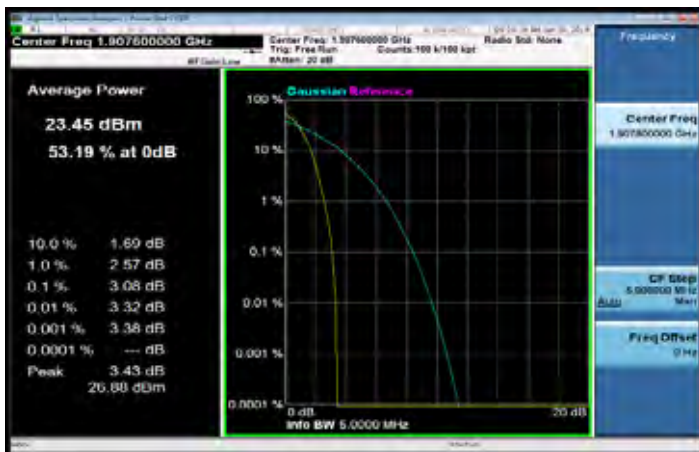
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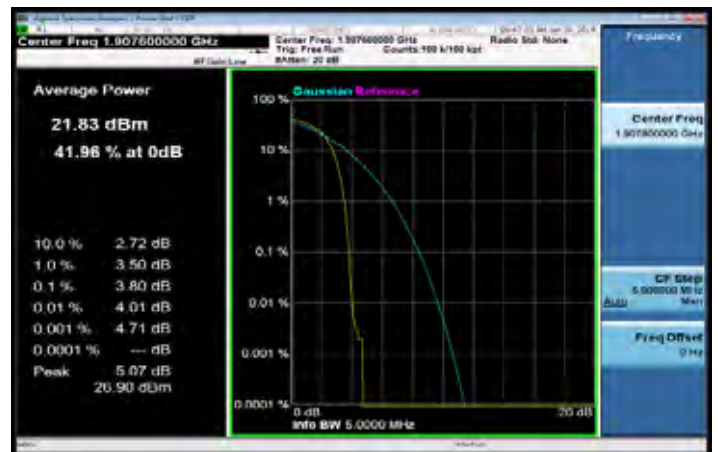
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WCDMA_B2_HighCH9538-1907.6



HSDPA_B2_HighCH9538-1907.6



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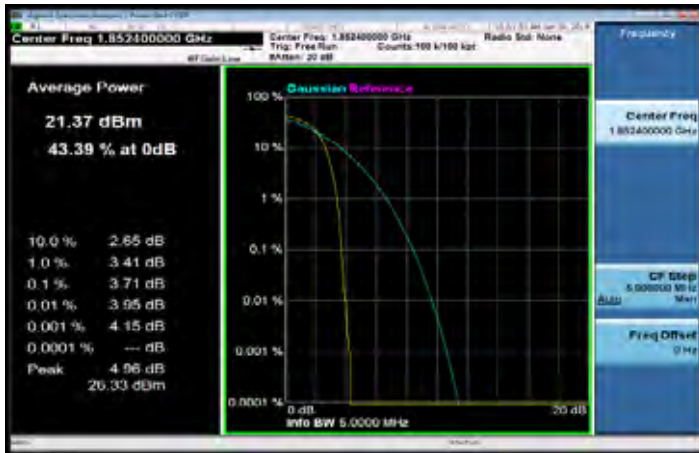
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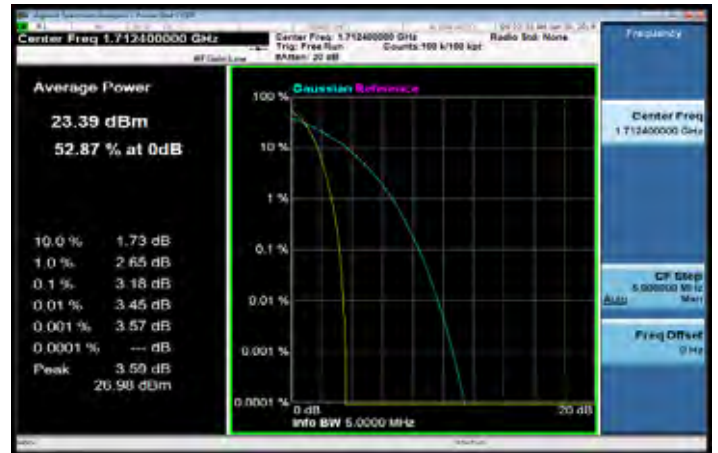
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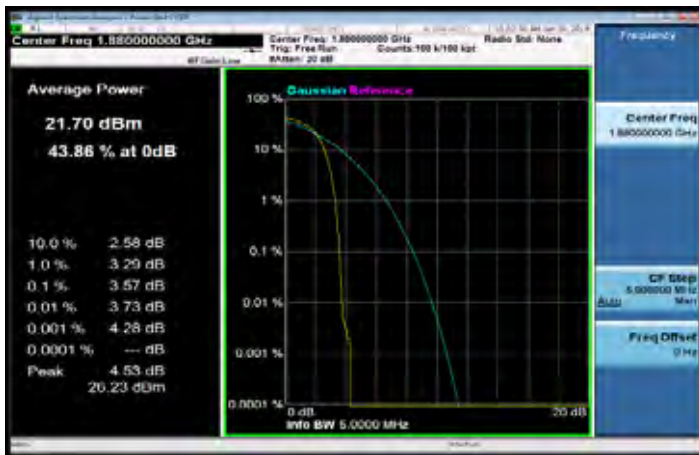
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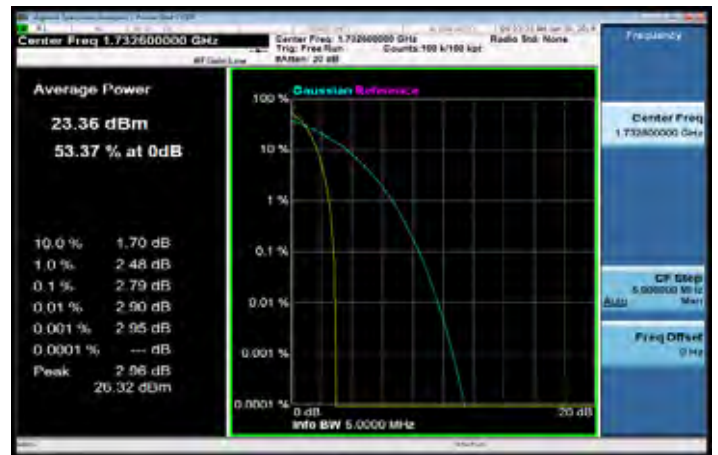
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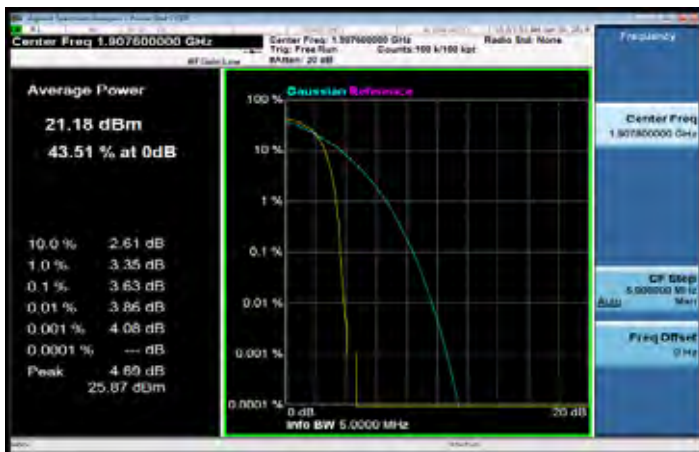
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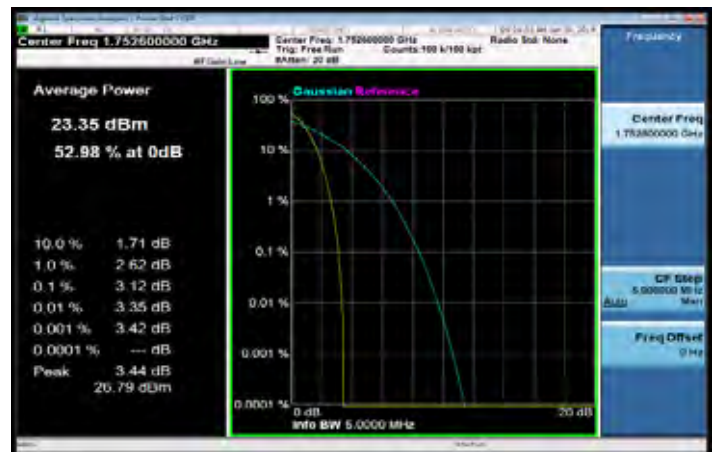
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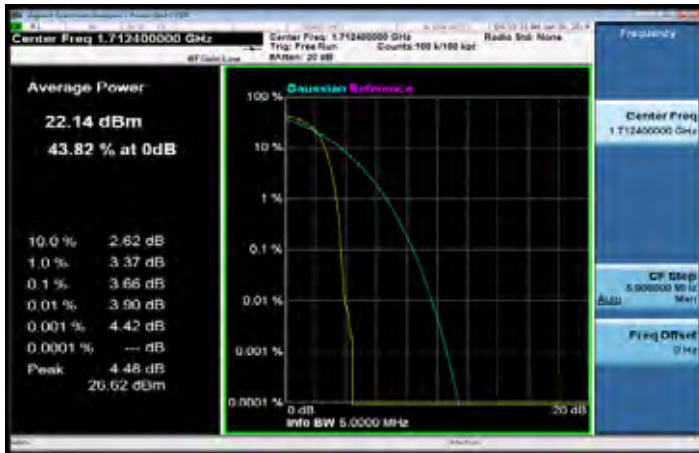
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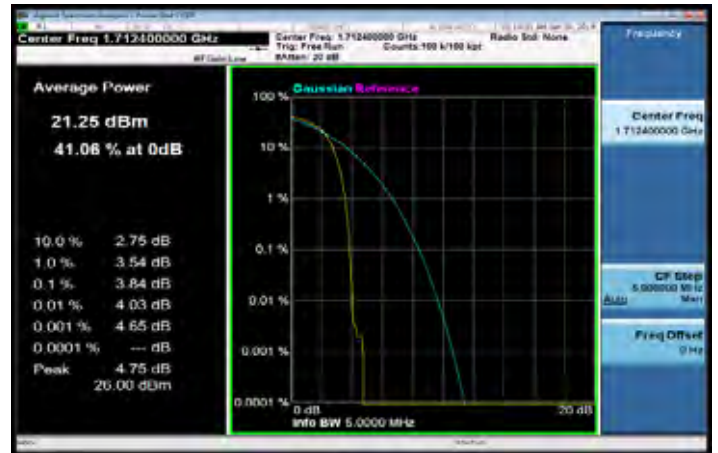
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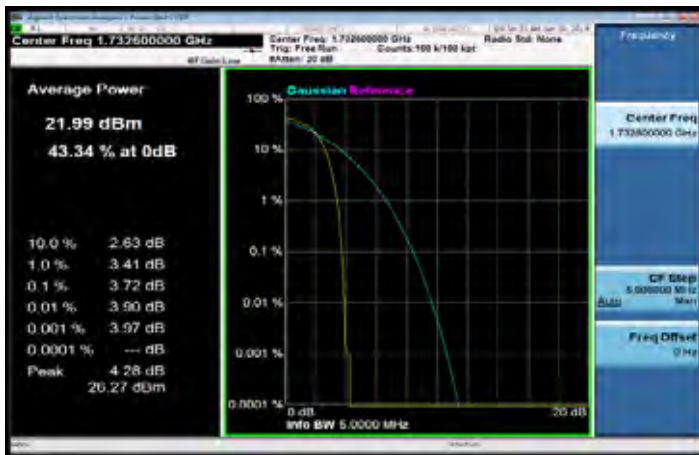
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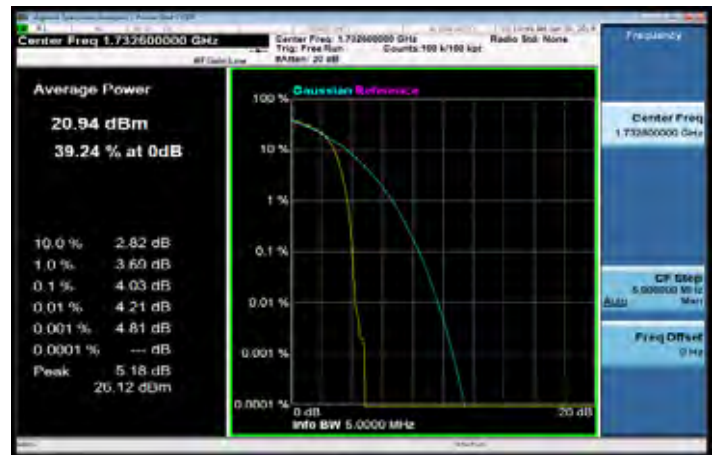
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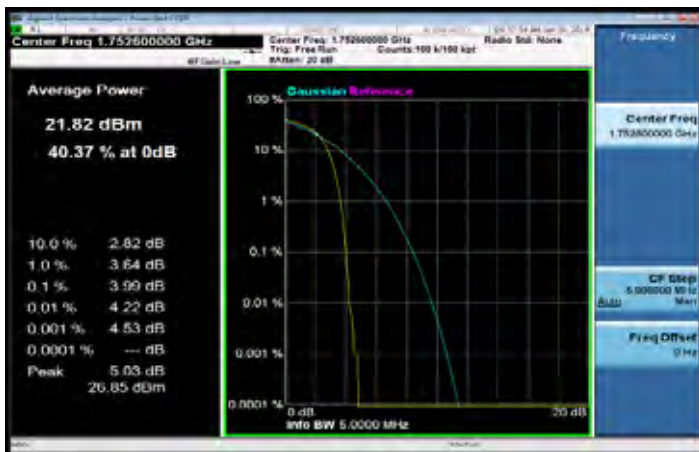
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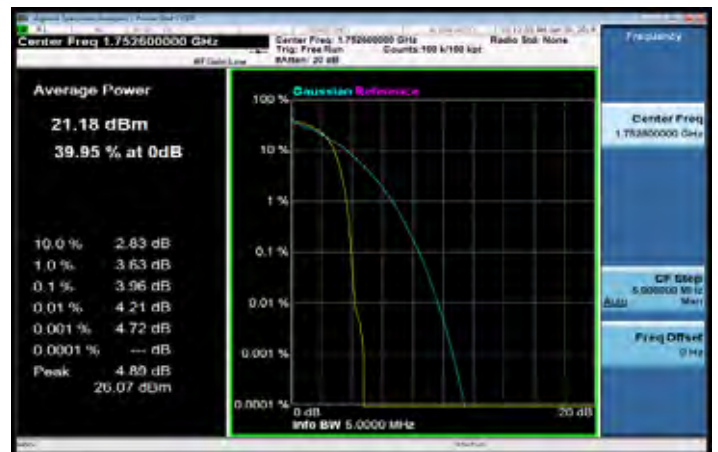
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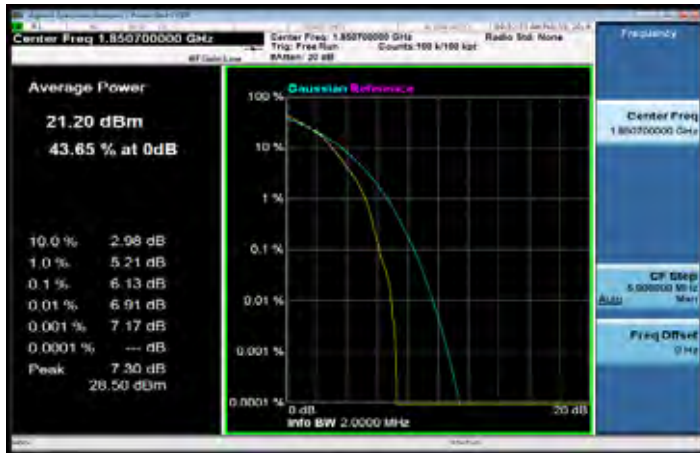
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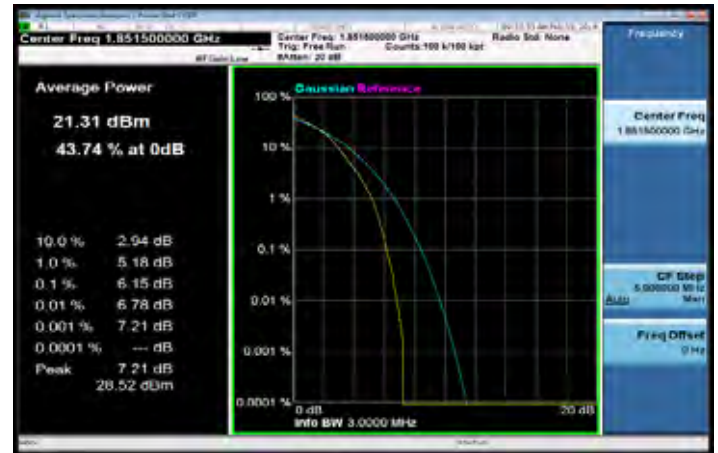
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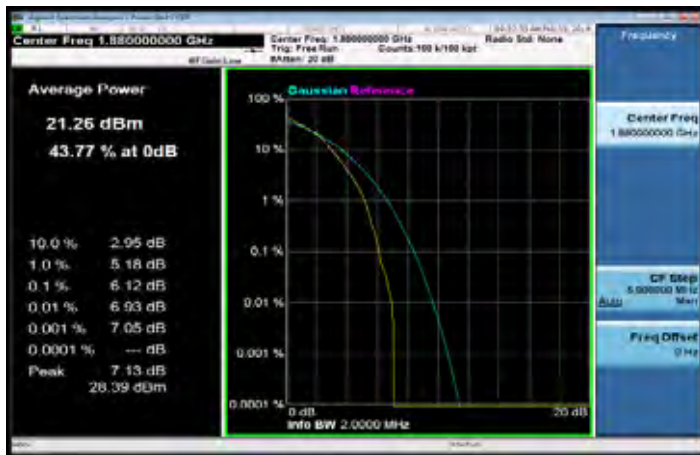
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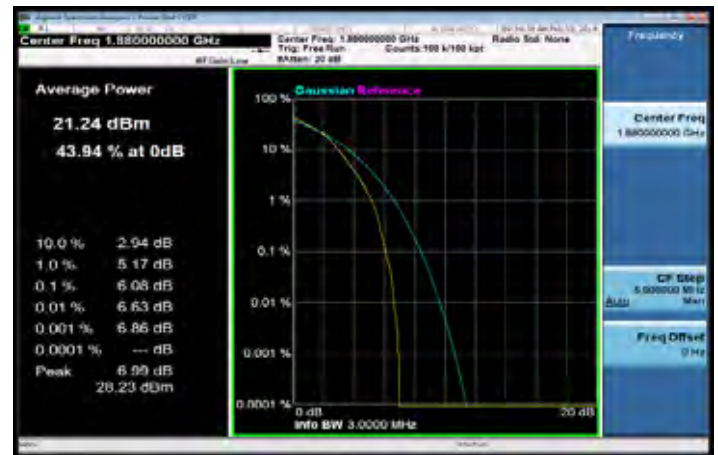
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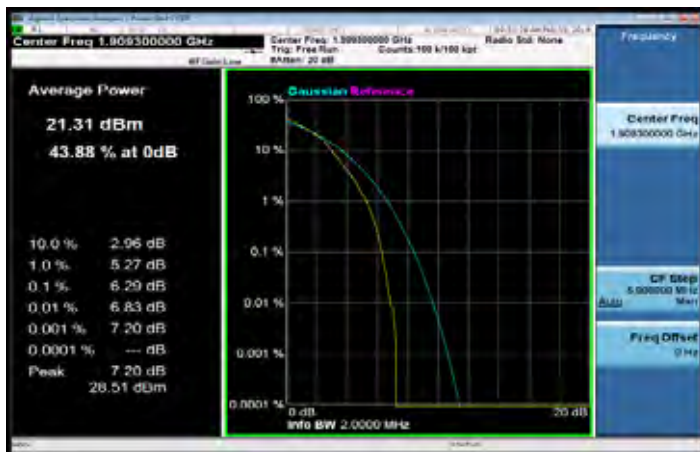
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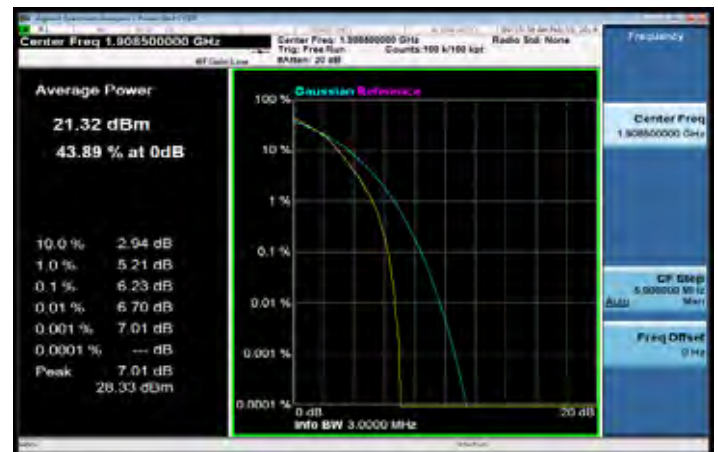
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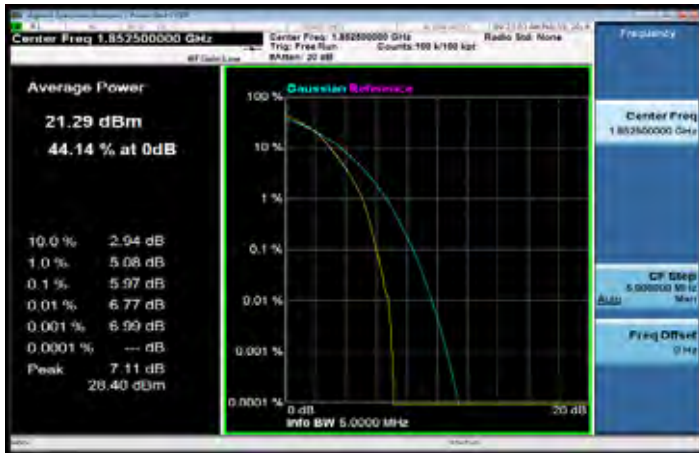
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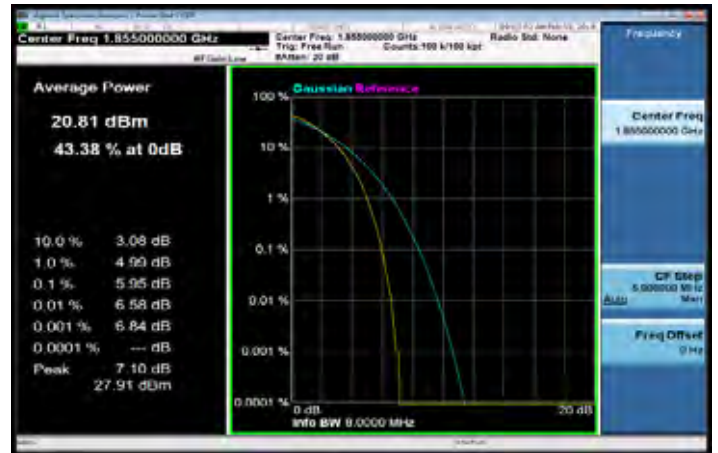
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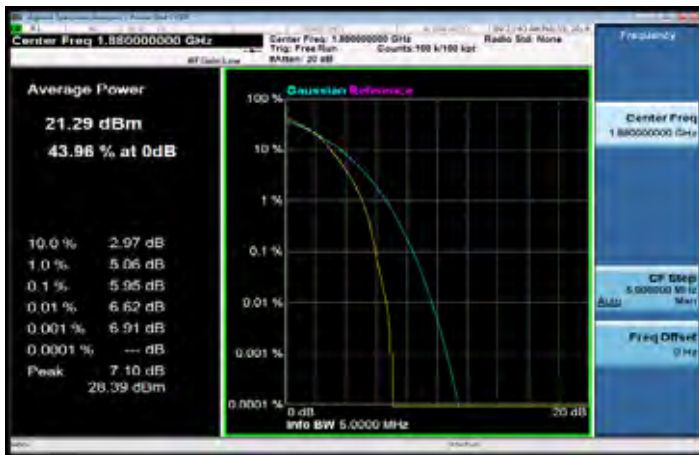
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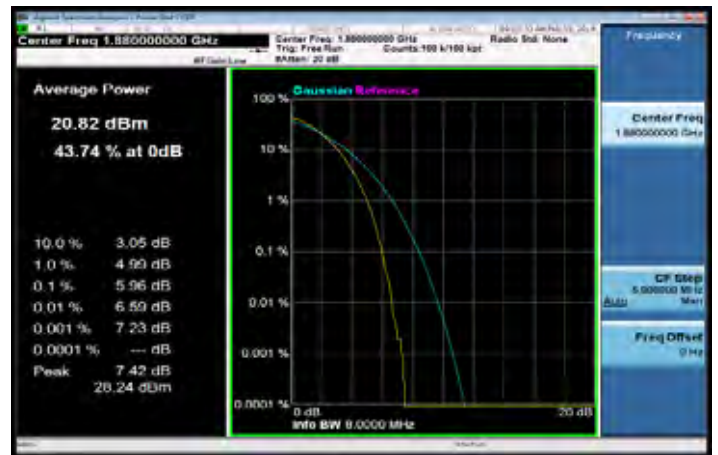
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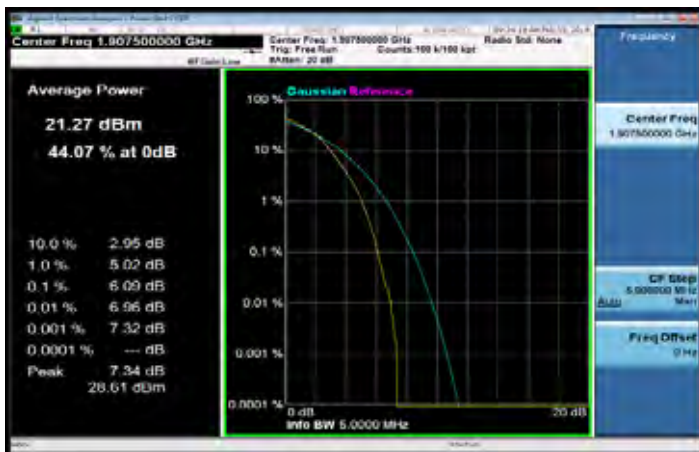
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LTE_Band2_10MHz_16QAM_50_0_HighCH19150-1905



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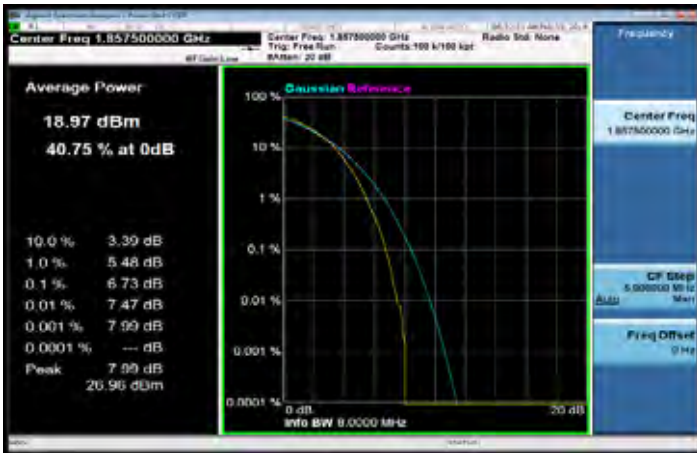
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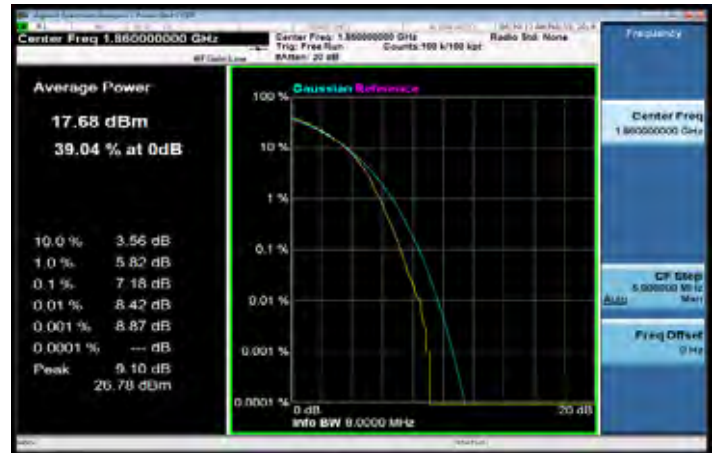
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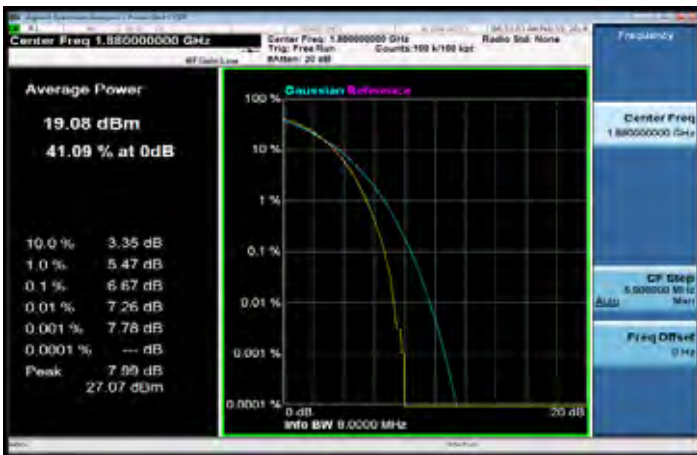
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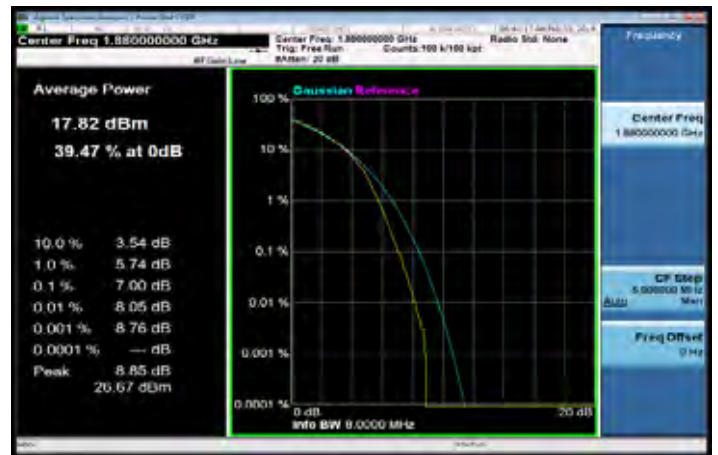
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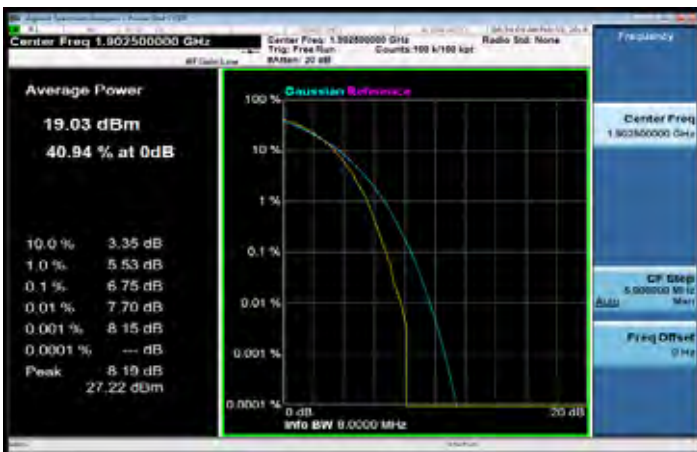
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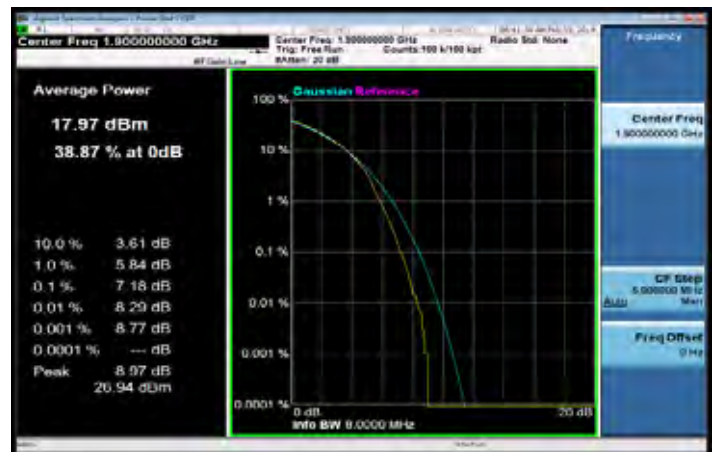
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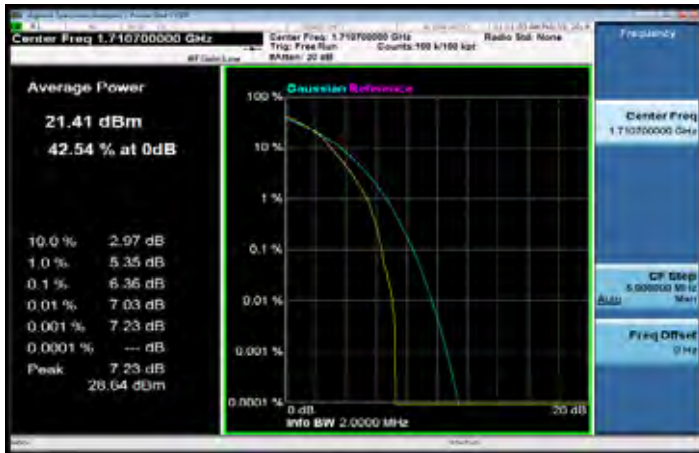
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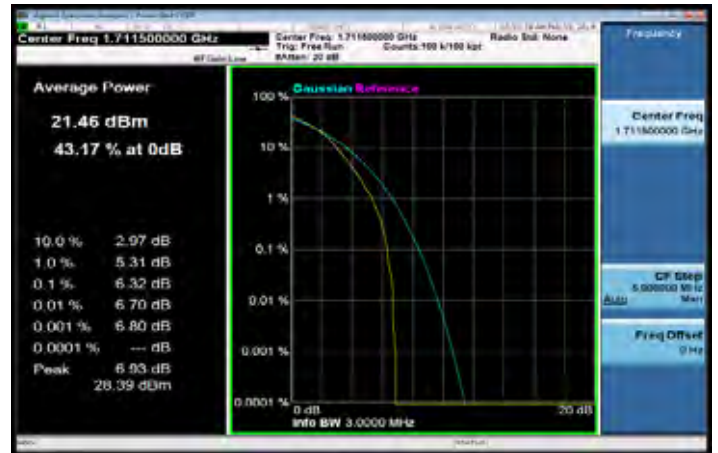
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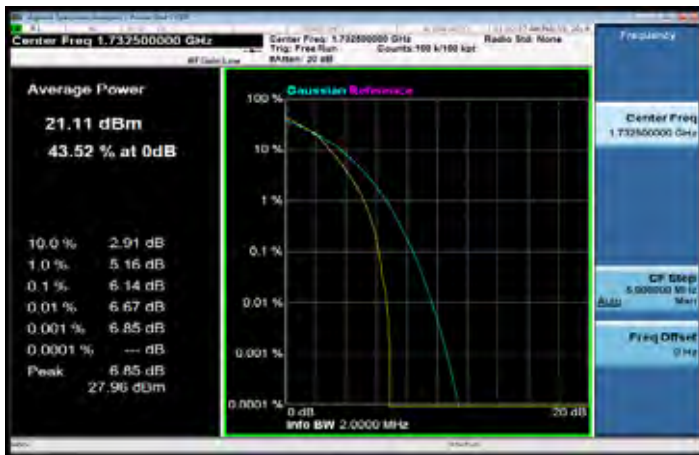
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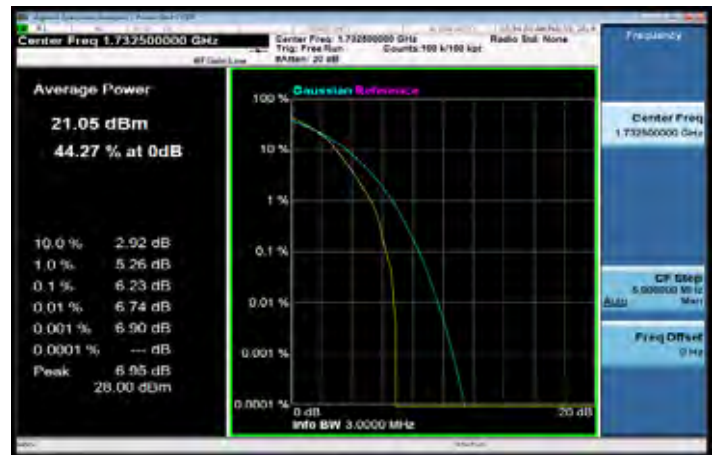
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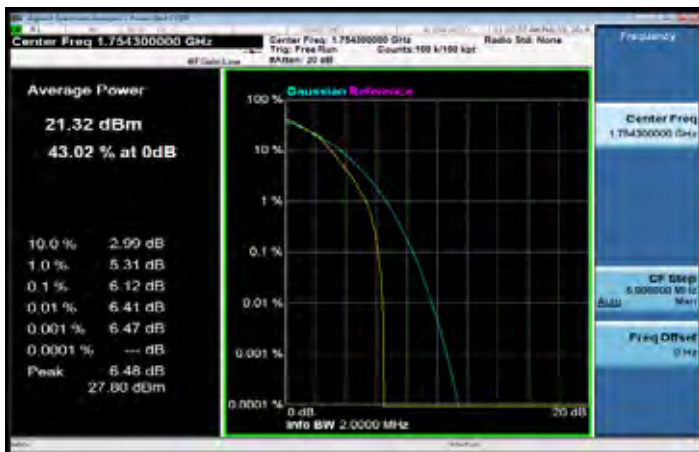
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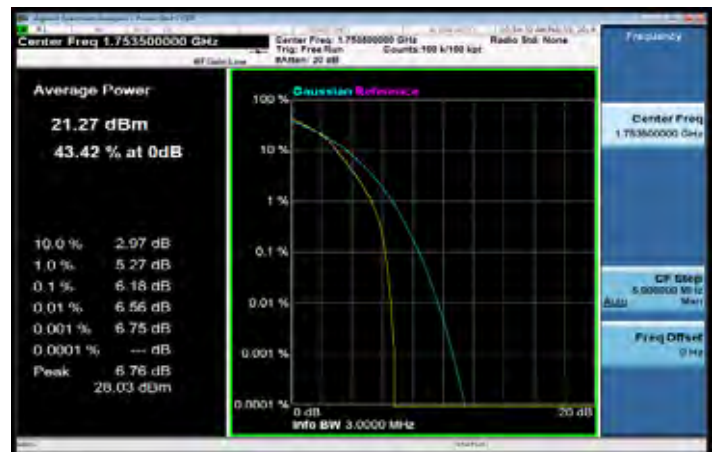
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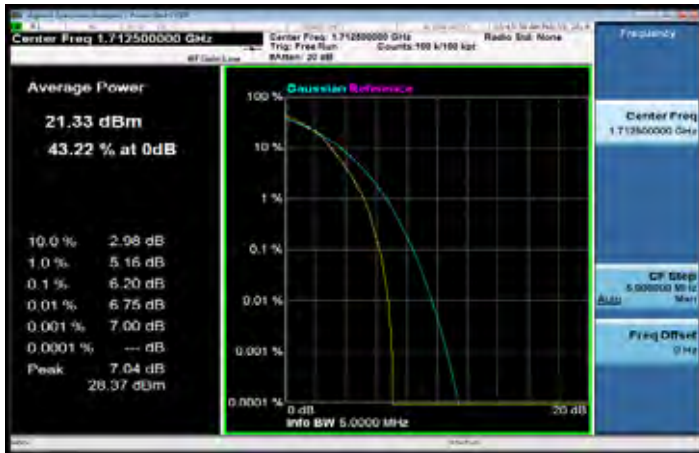
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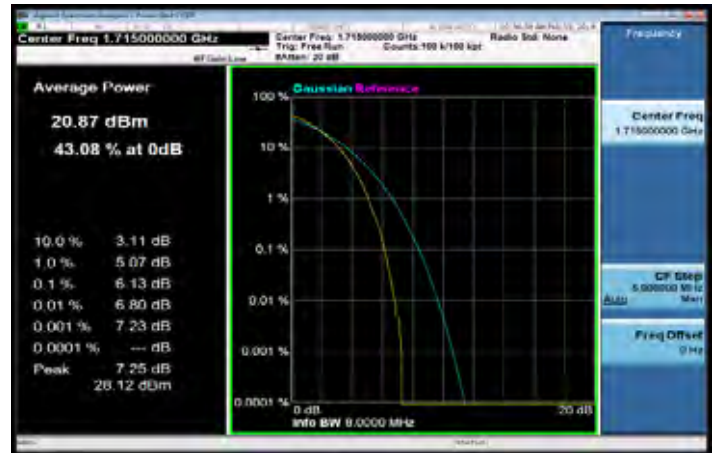
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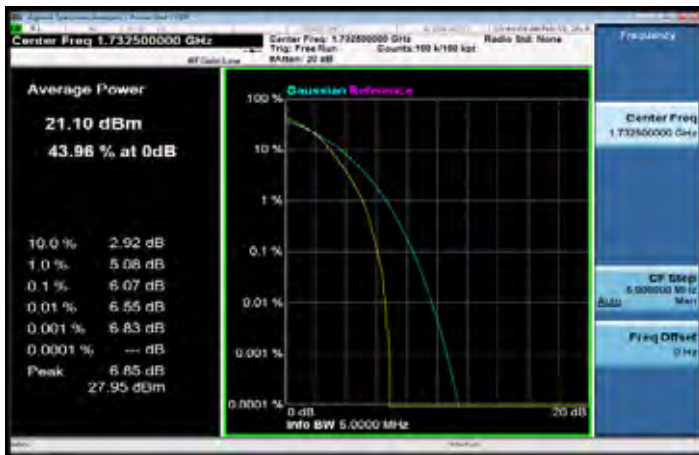
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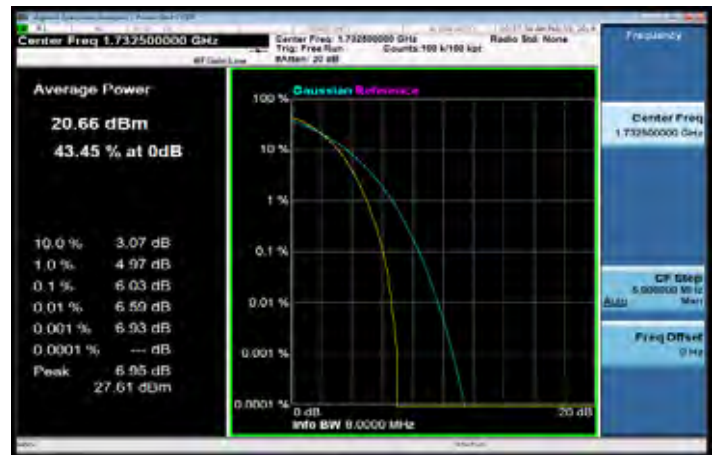
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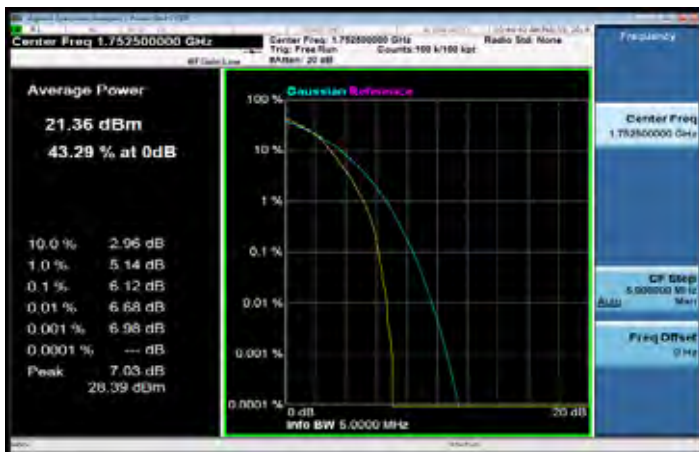
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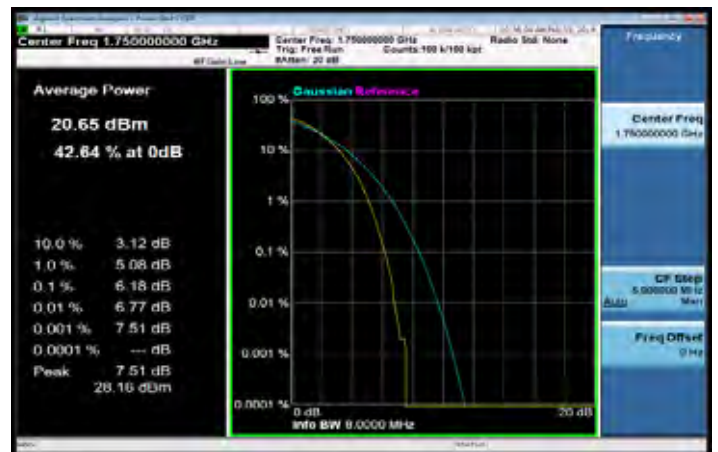
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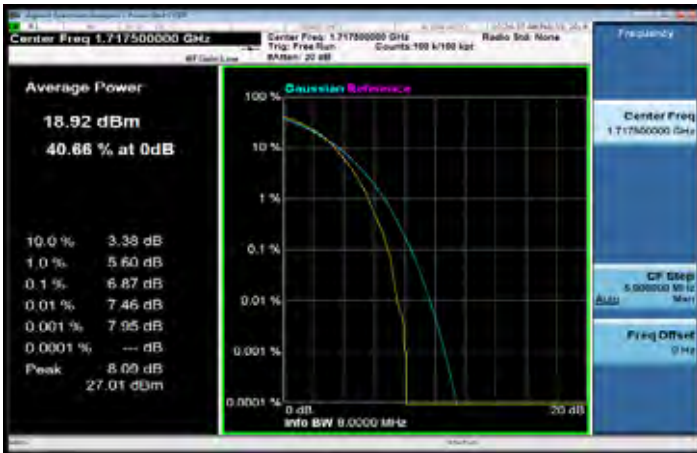
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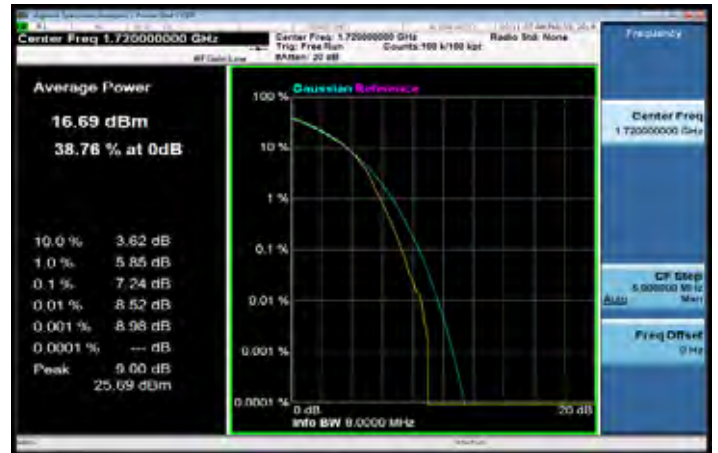
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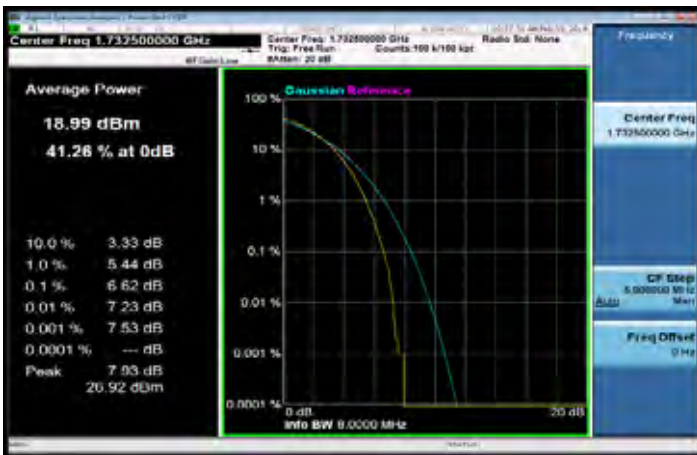
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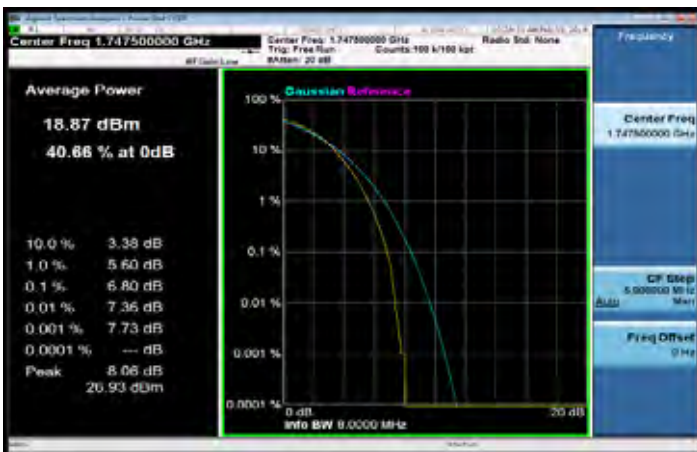
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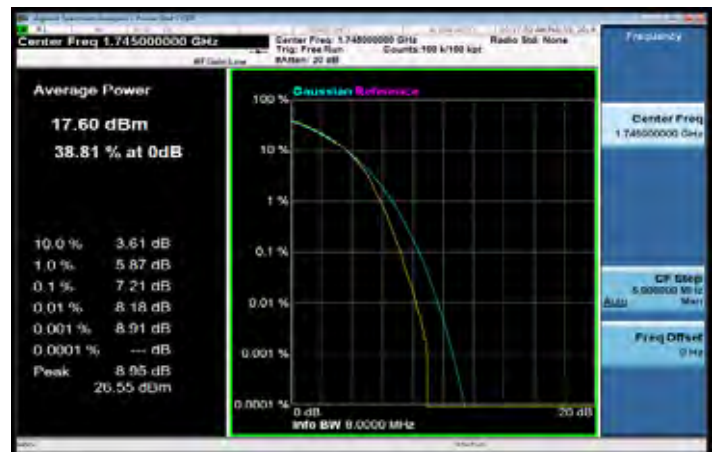
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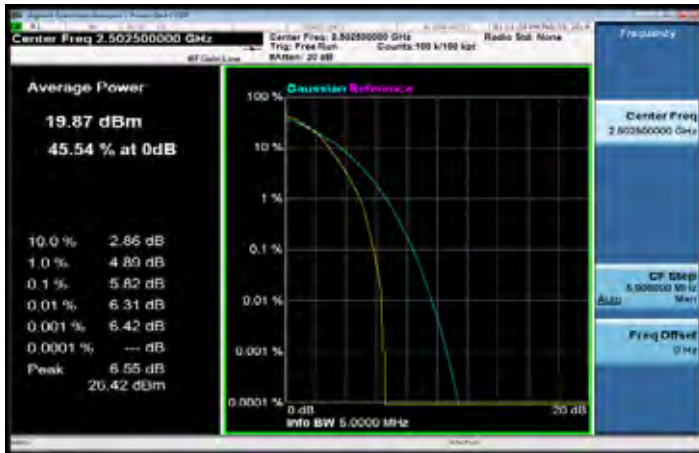
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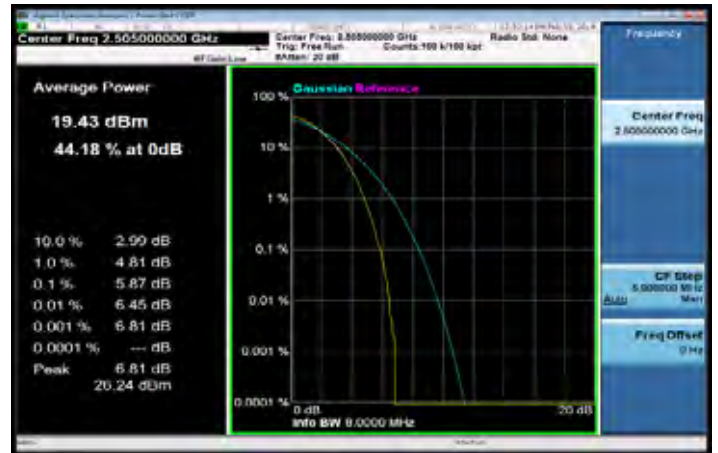
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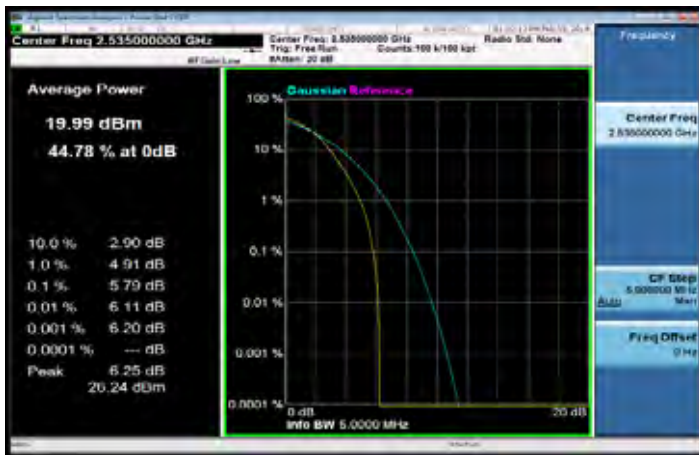
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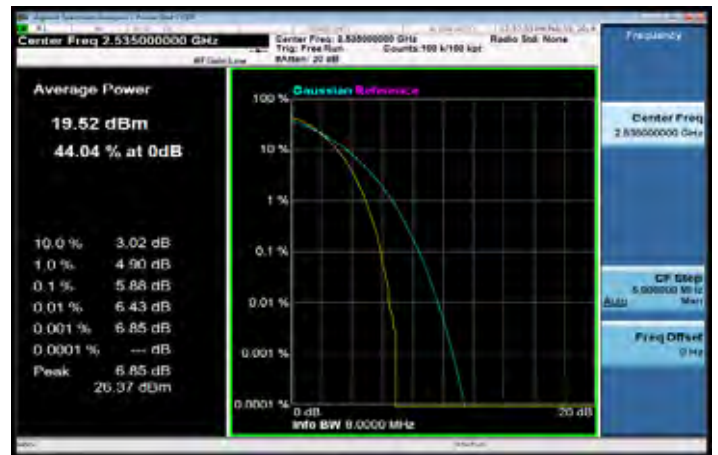
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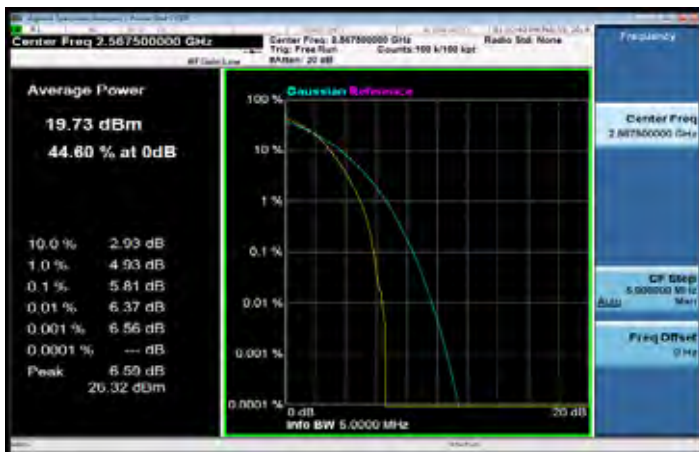
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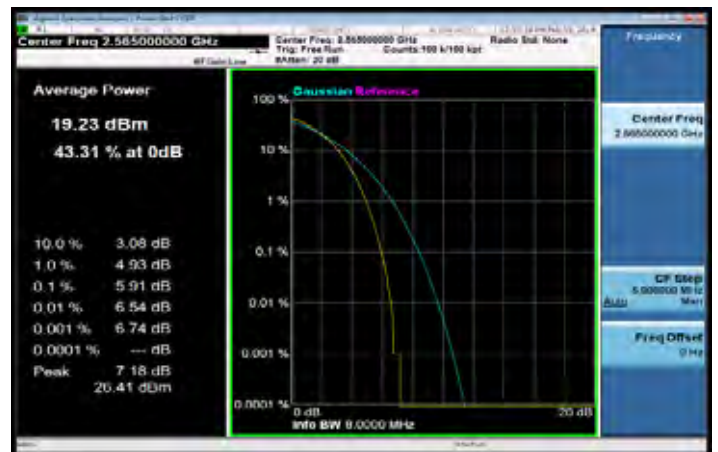
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LTE_Band7_10MHz_16QAM_50_0_HighCH21400-2565



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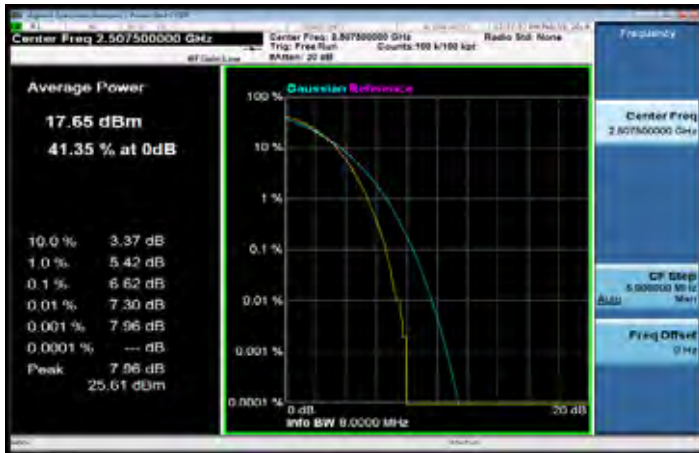
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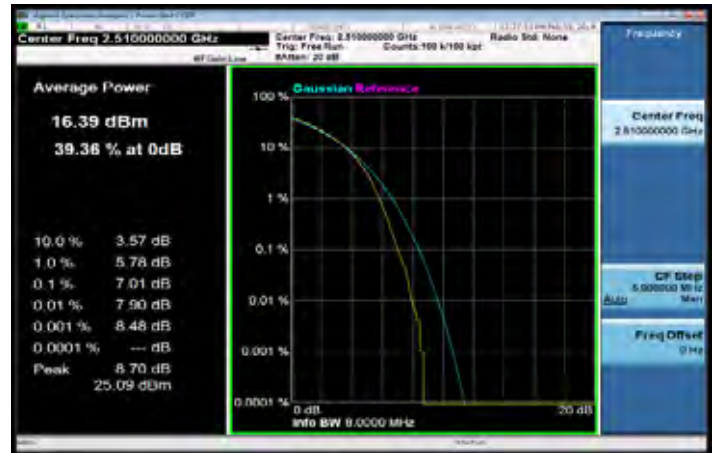
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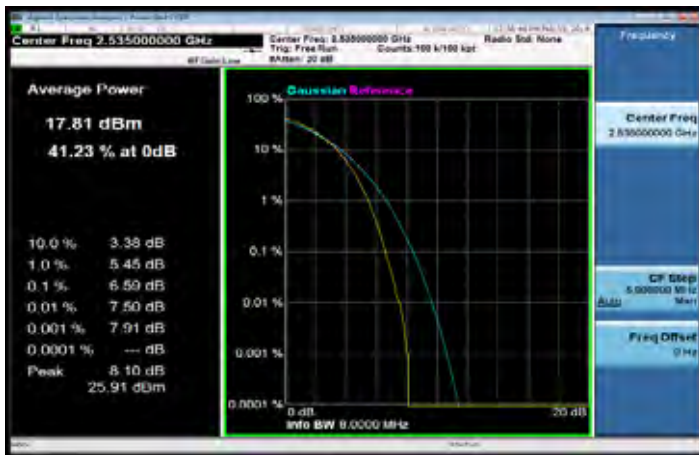
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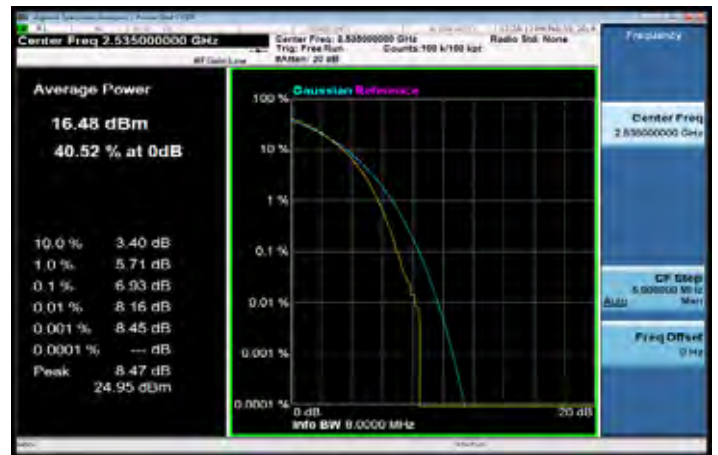
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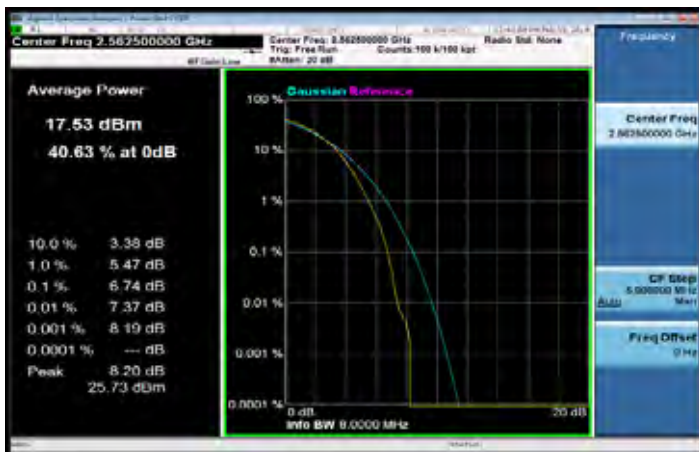
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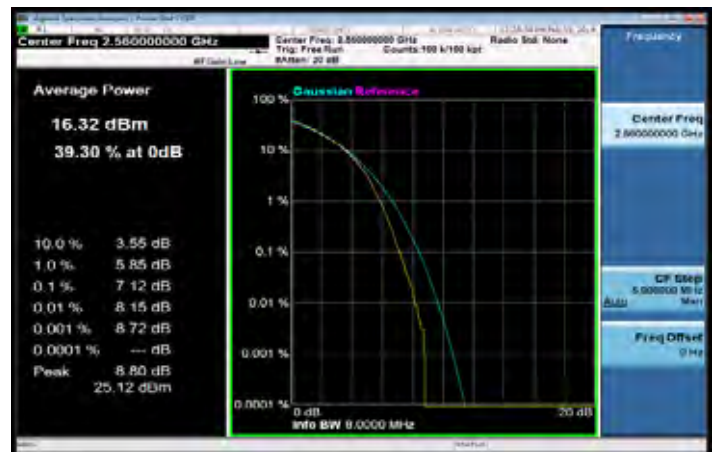
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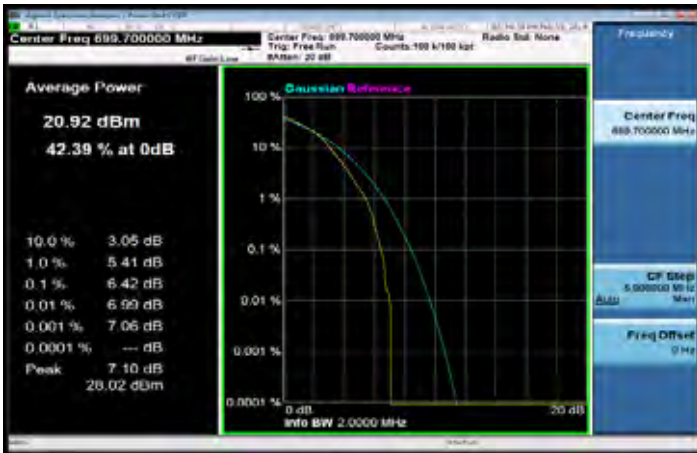
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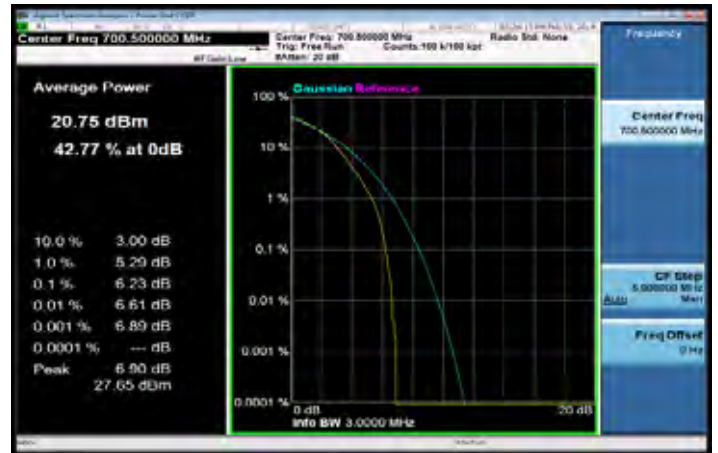
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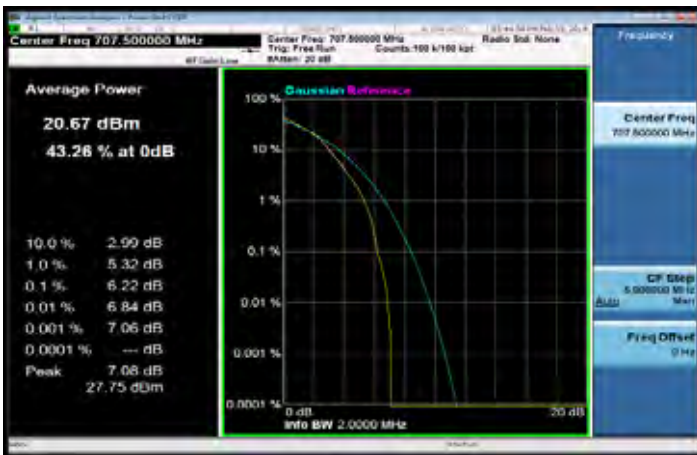
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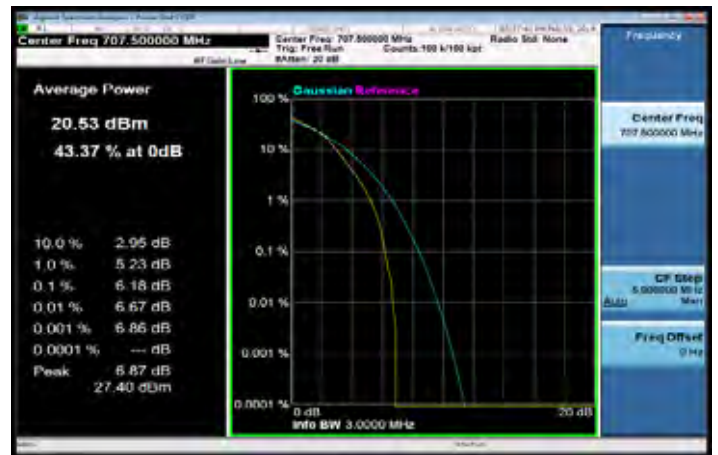
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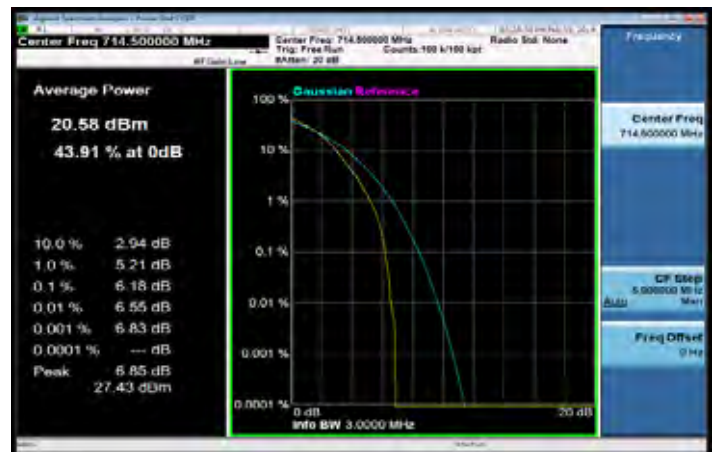
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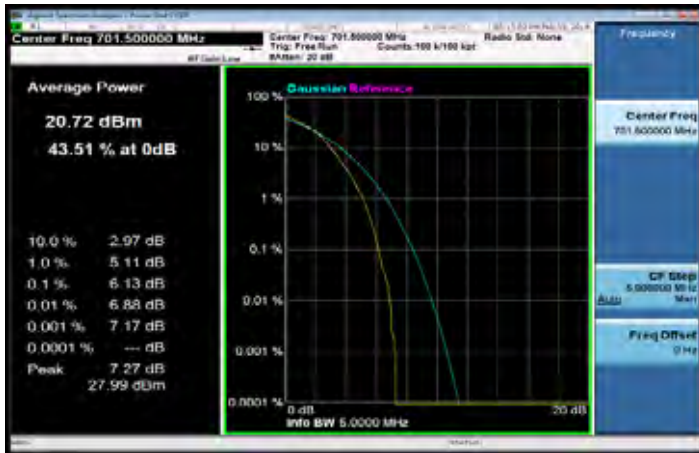
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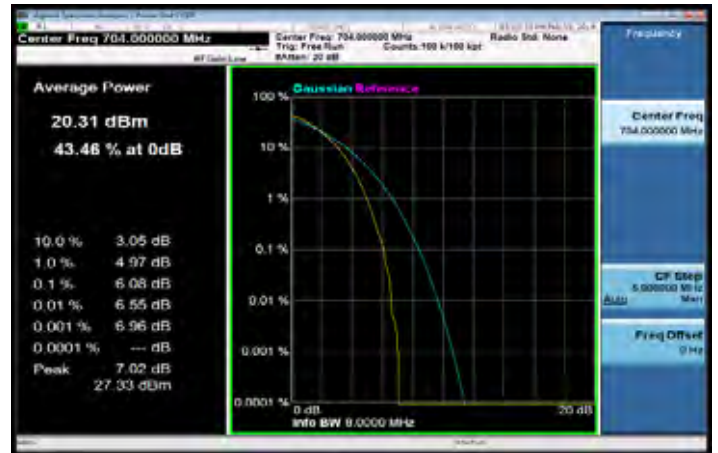
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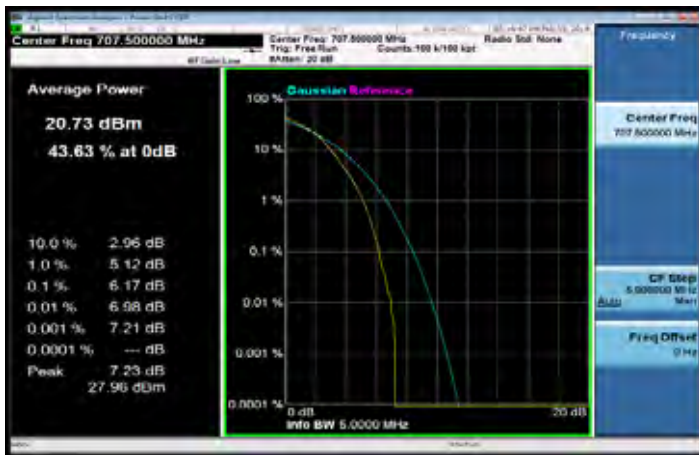
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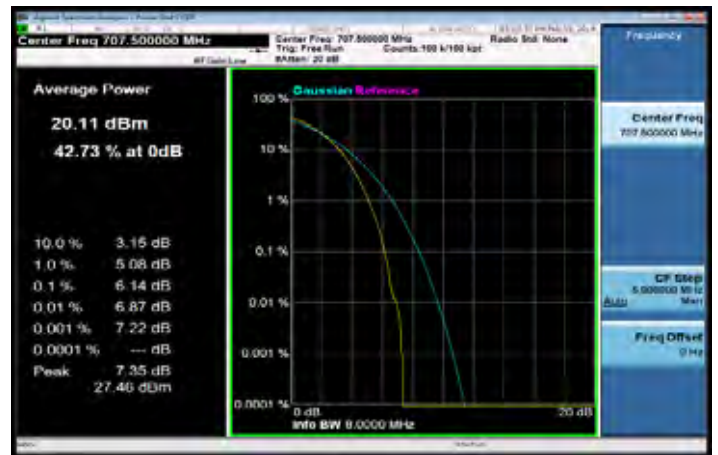
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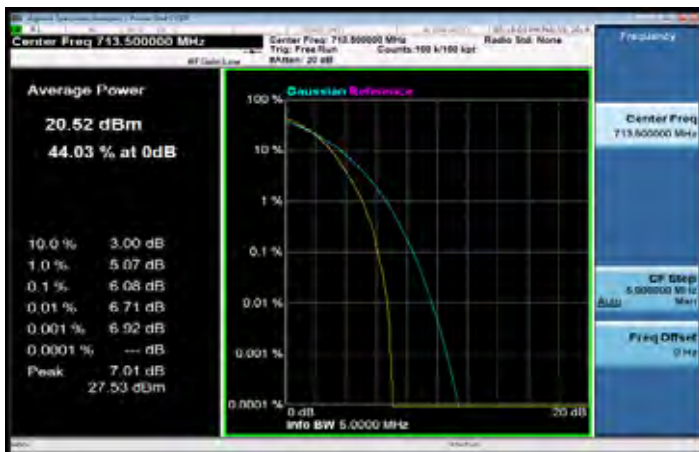
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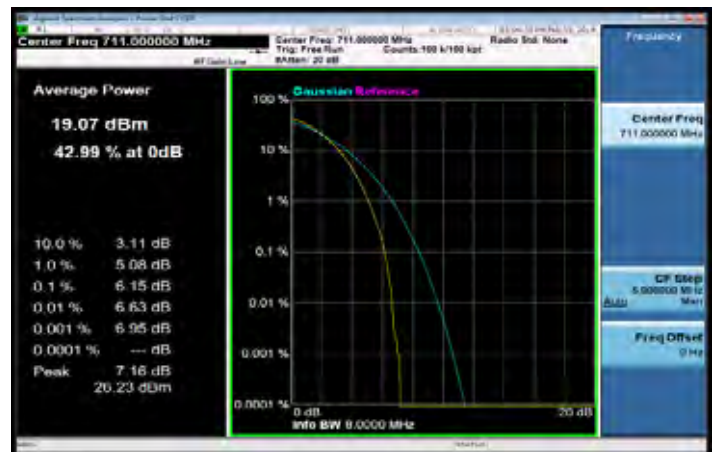
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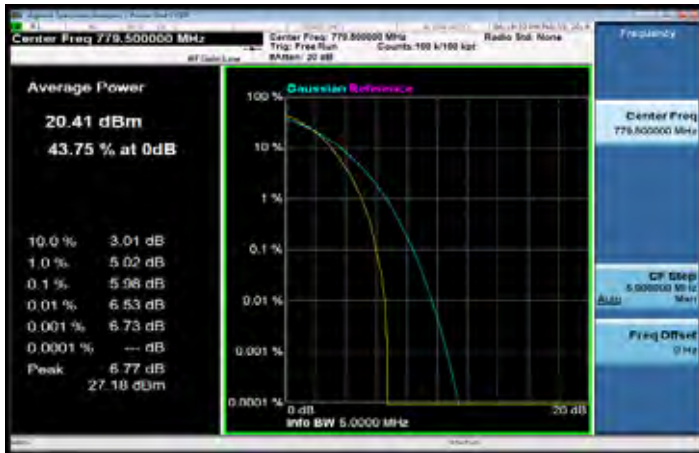
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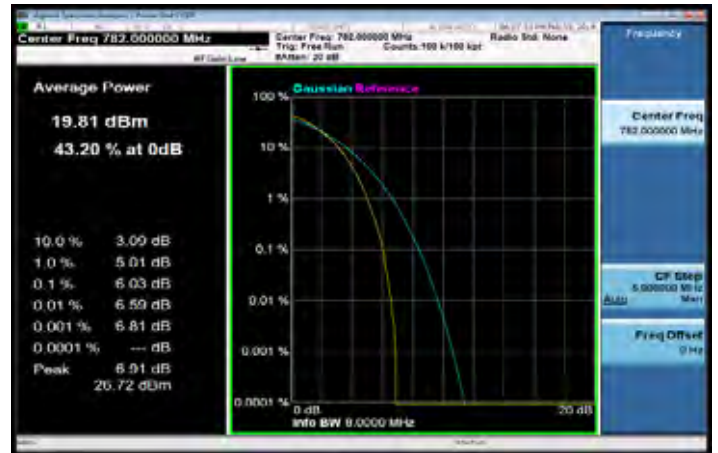
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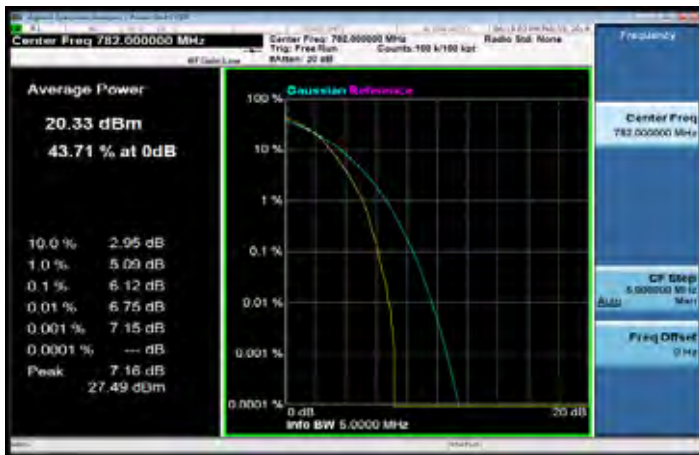
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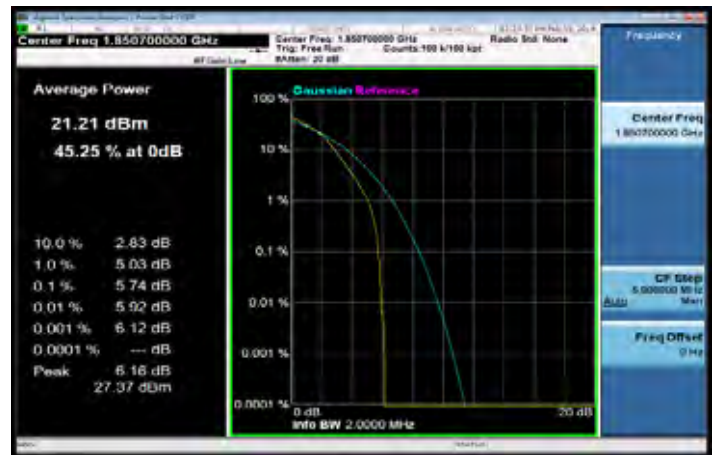
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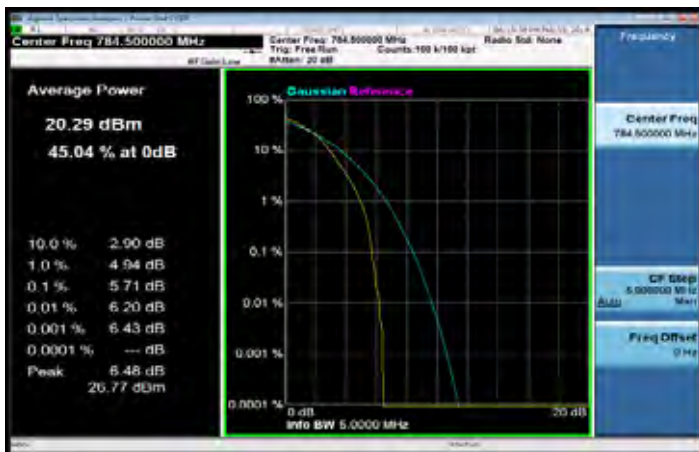
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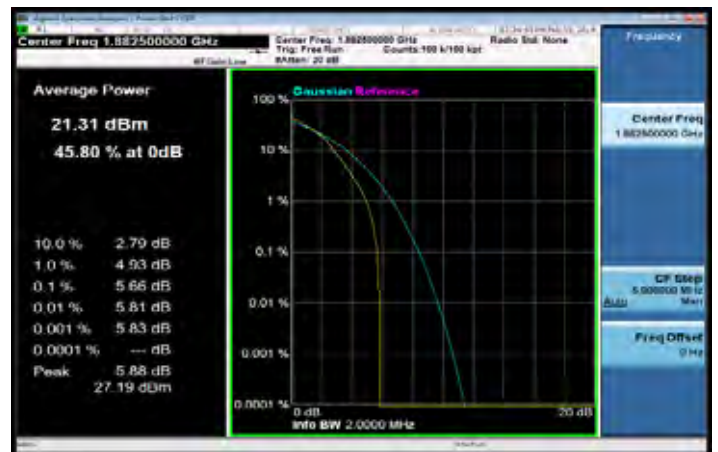
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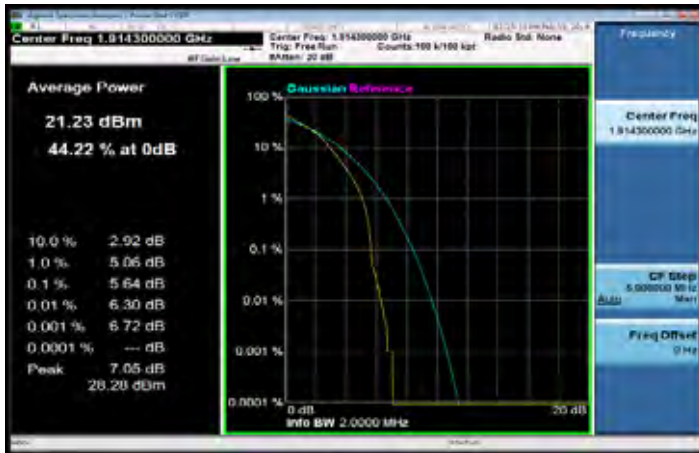
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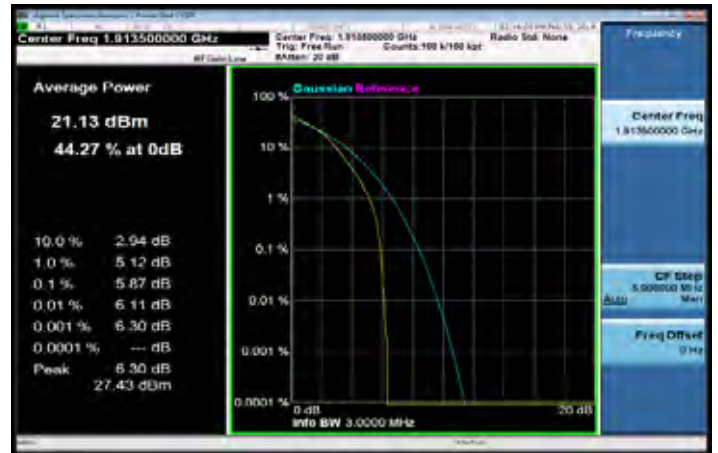
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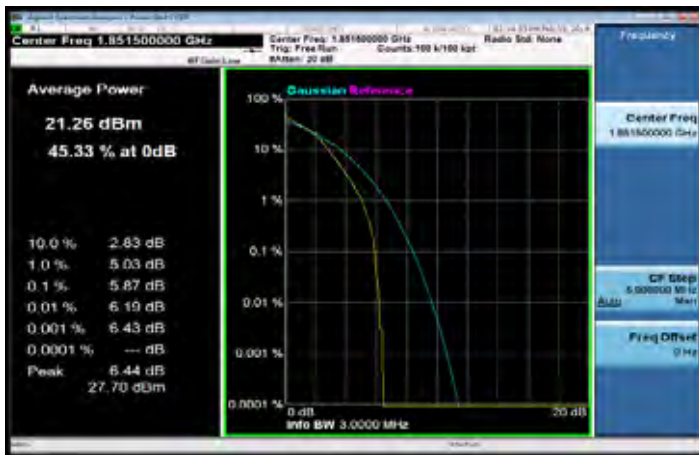
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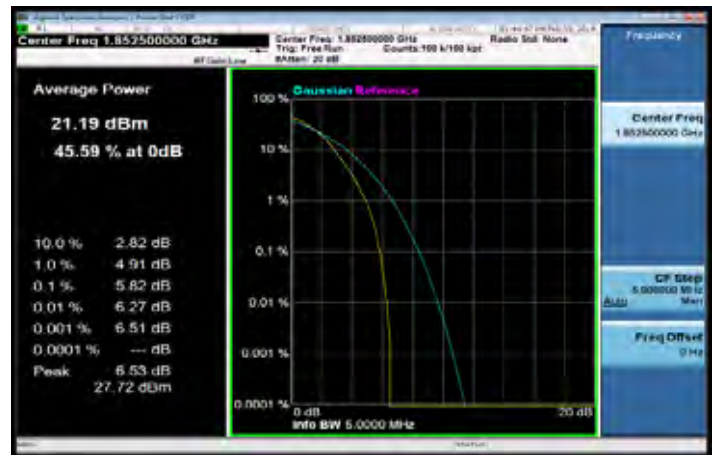
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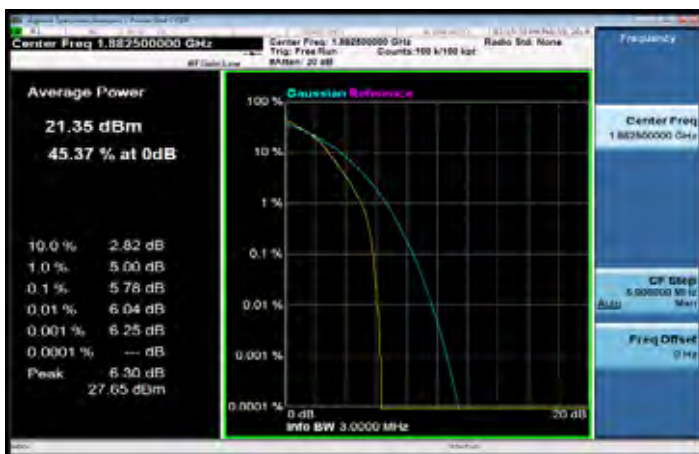
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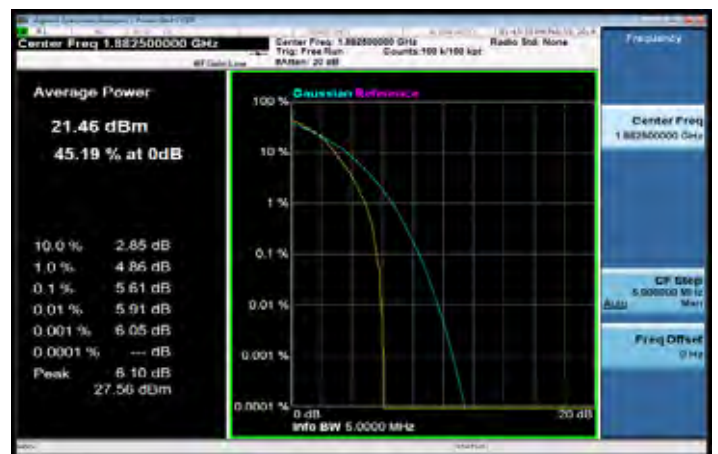
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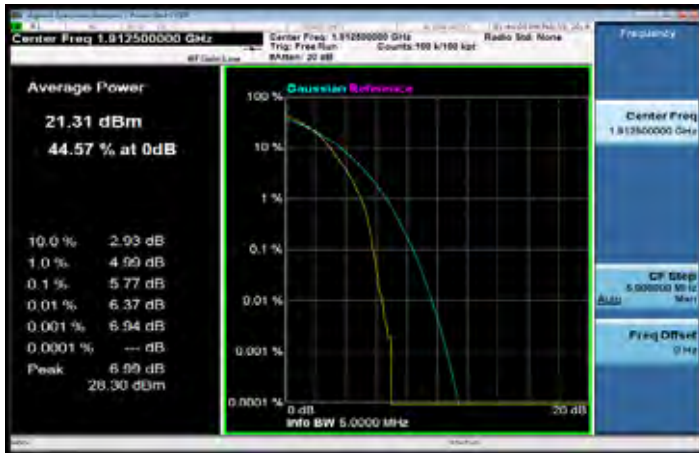
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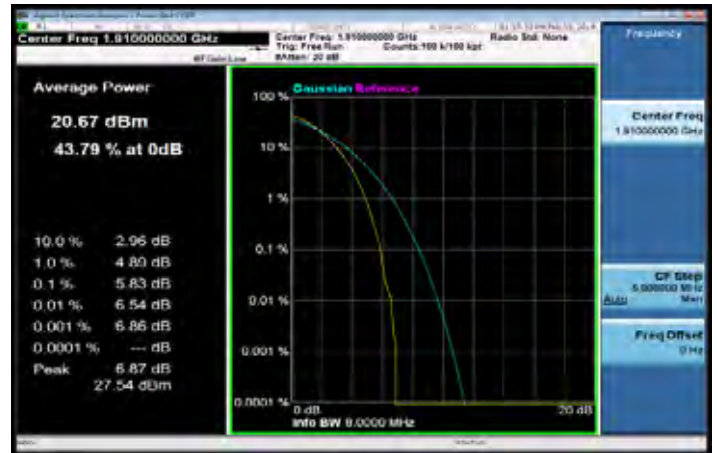
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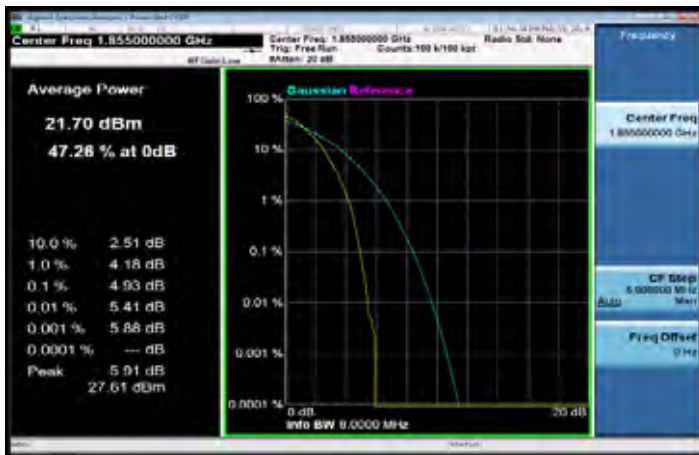
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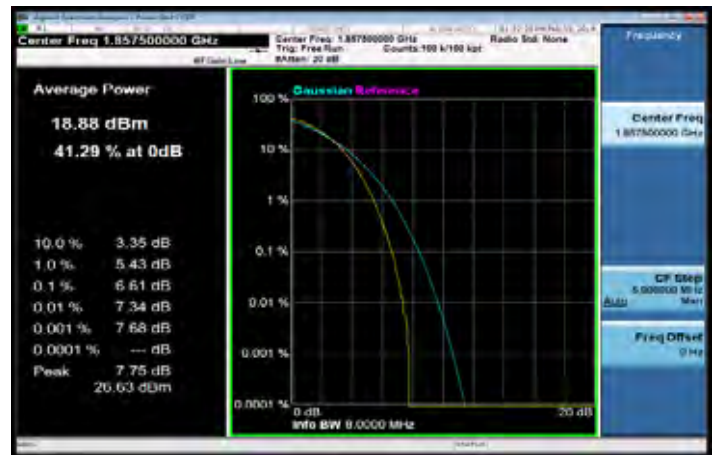
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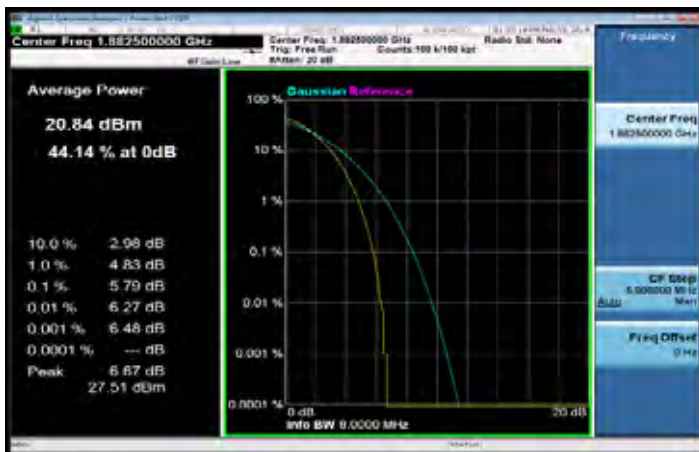
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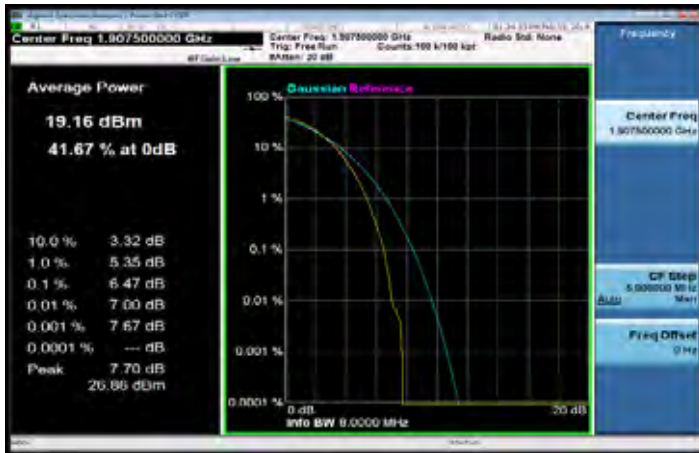
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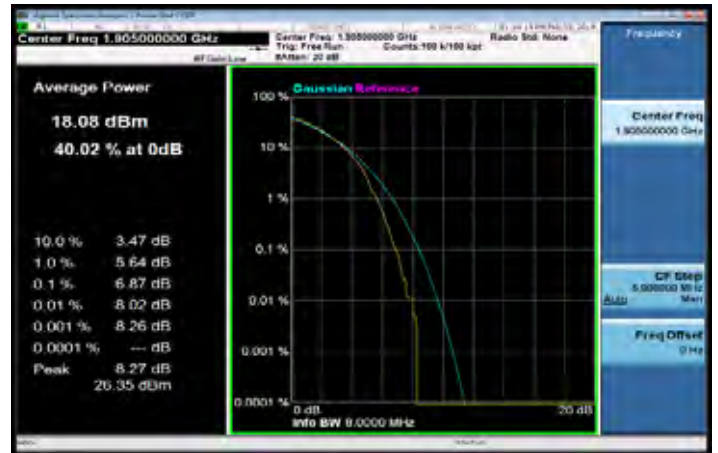
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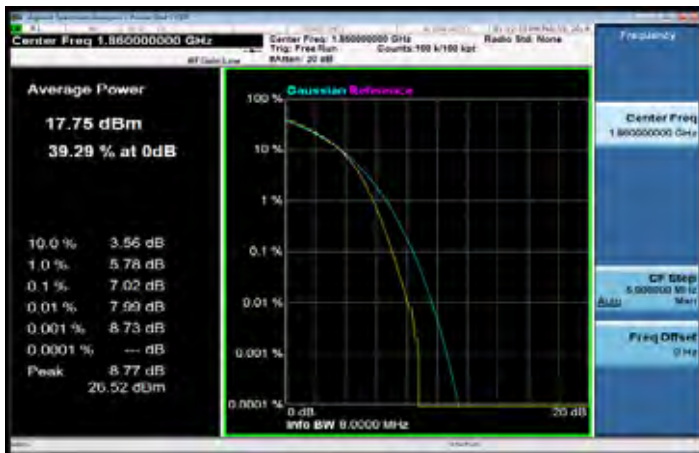
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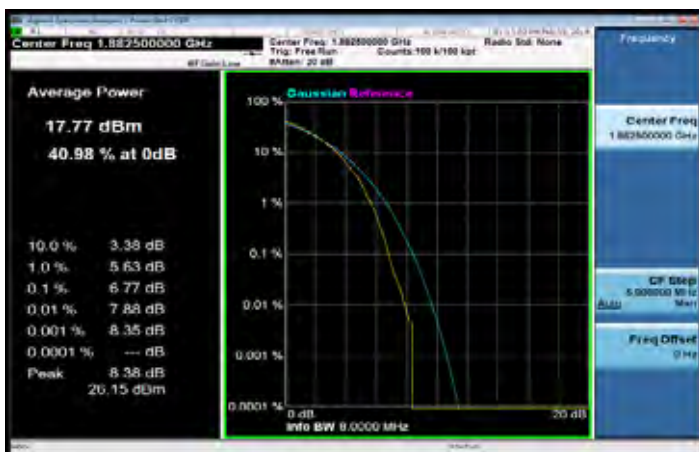
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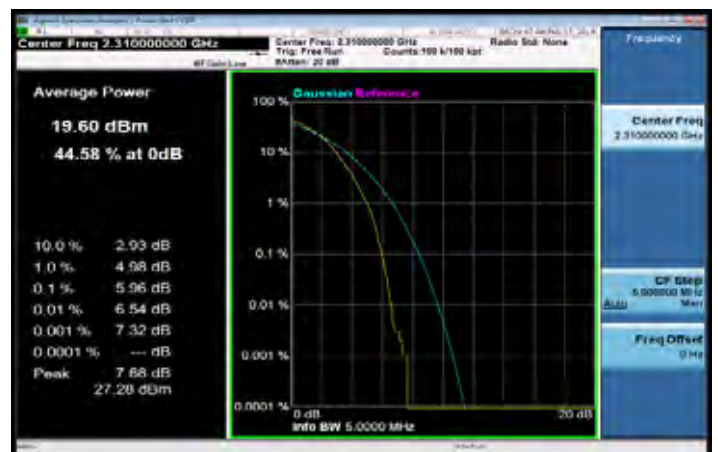
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LTE_Band30_5MHz_16QAM_25_0_MidCH27710



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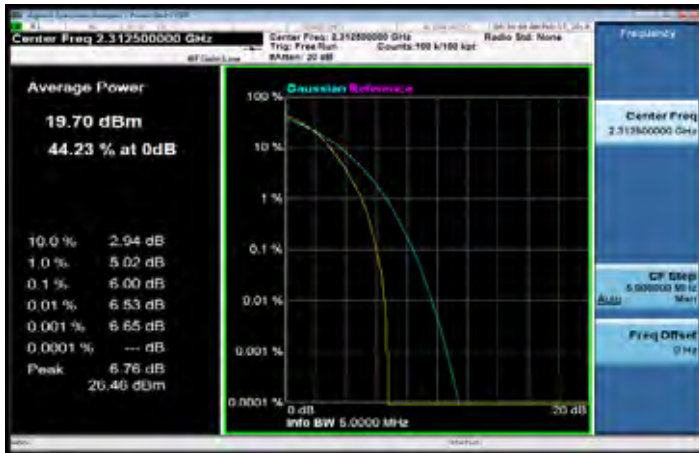
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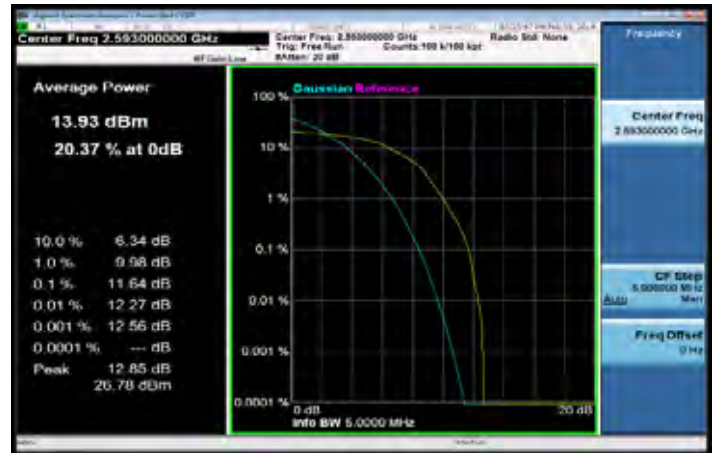
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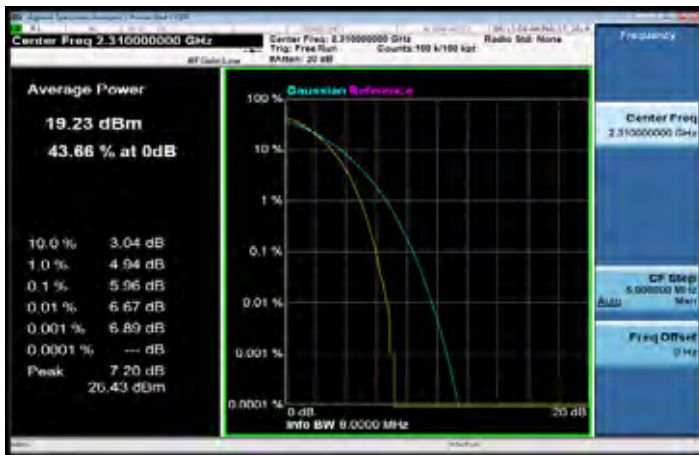
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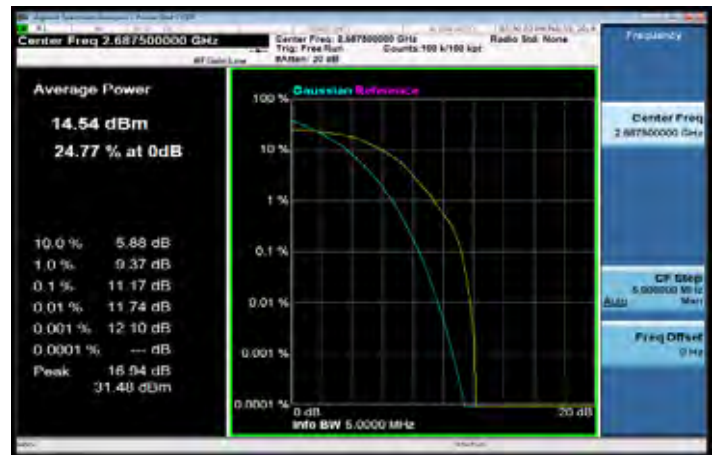
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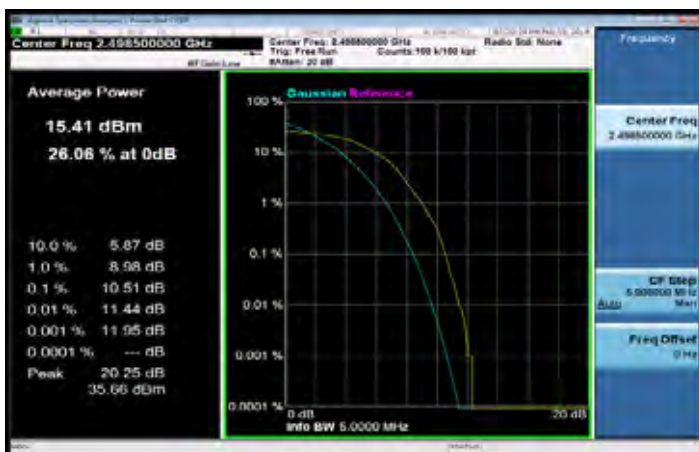
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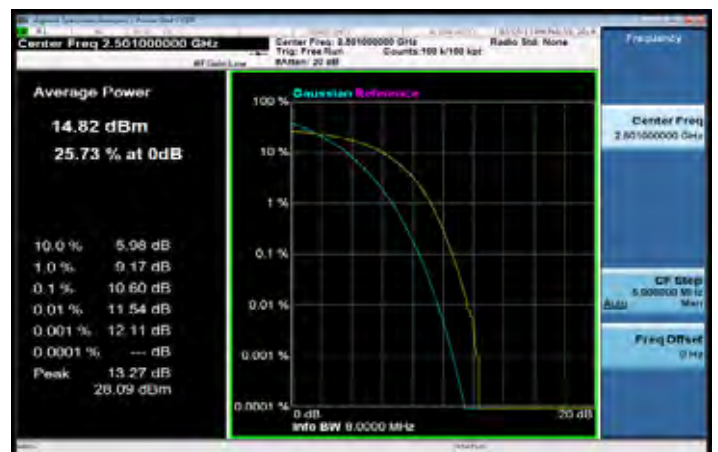
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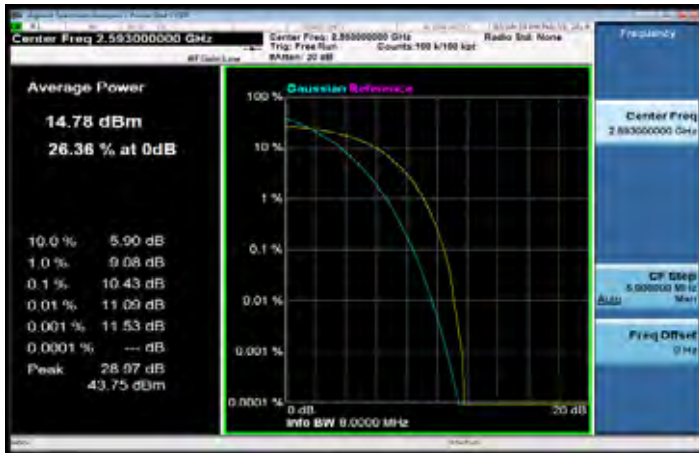
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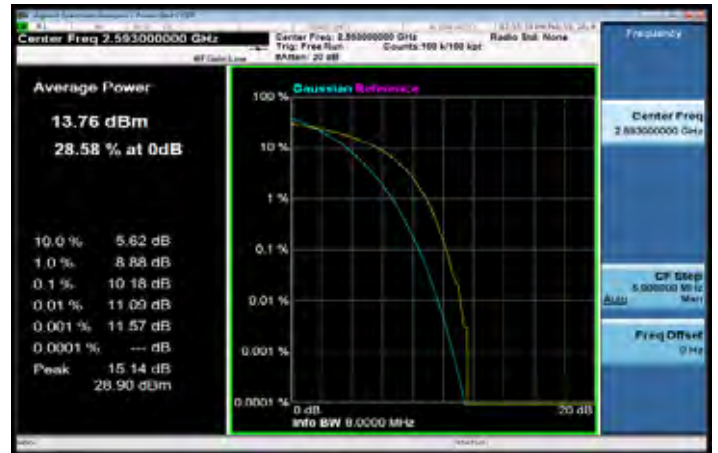
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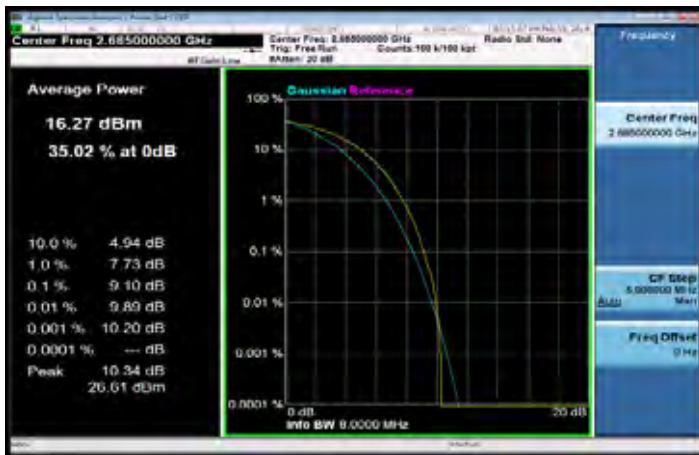
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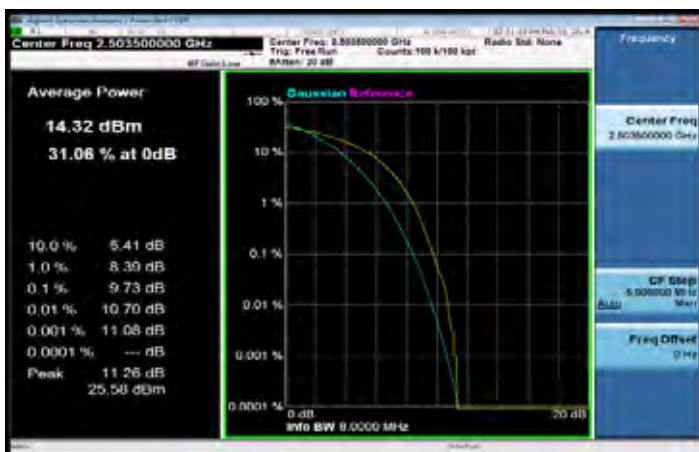
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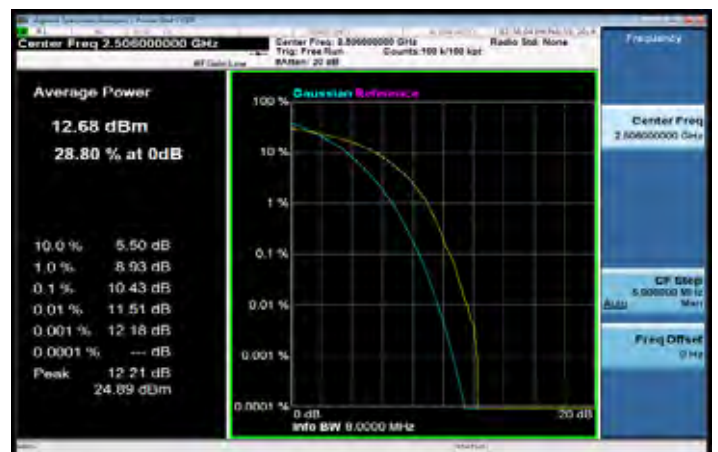
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LTE_Band41_20MHz_16QAM_100_0_LowCH39750



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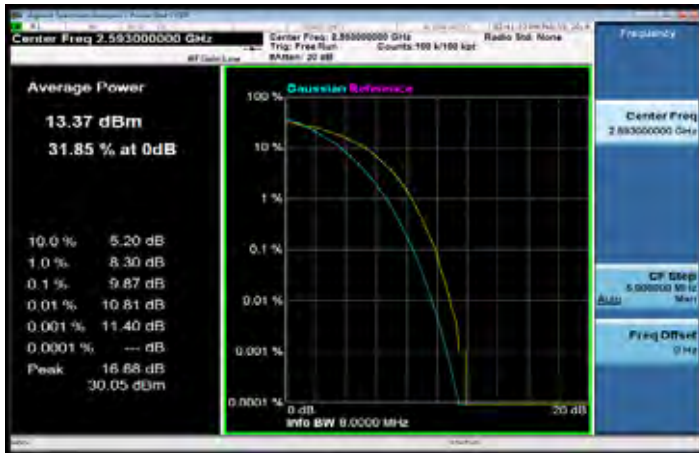
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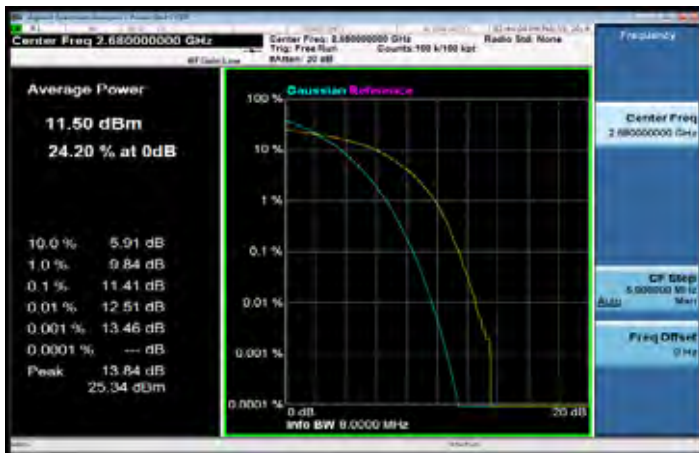
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LTE_Band41_20MHz_16QAM_100_0_MidCH40620



LTE_Band41_20MHz_16QAM_100_0_HighCH41490



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