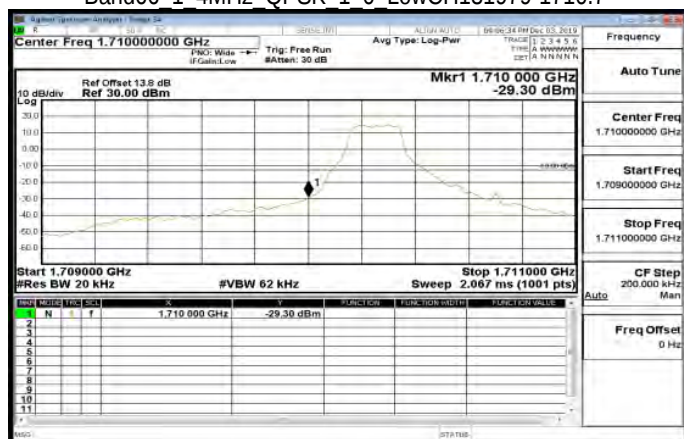
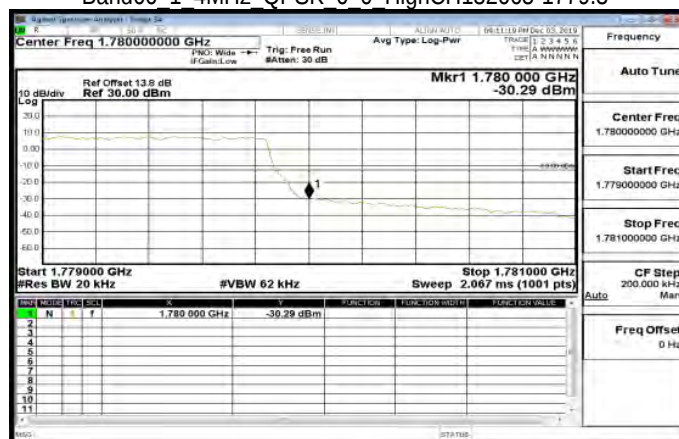


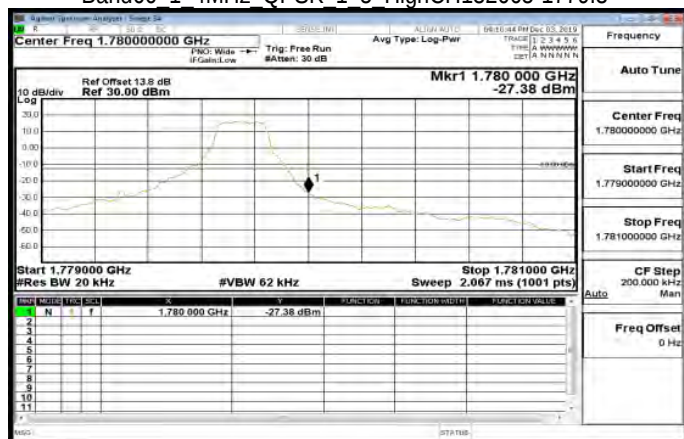
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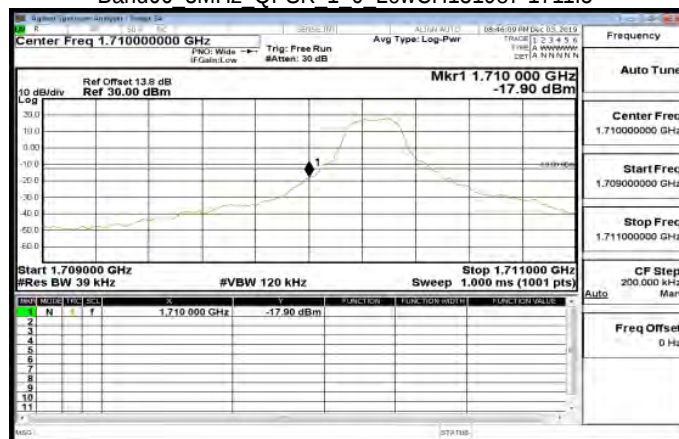
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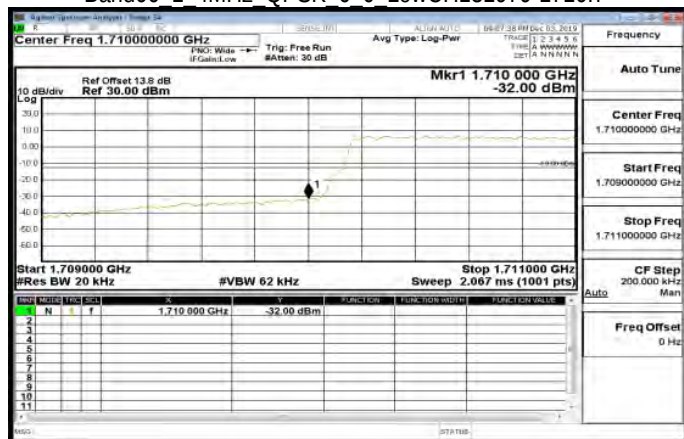
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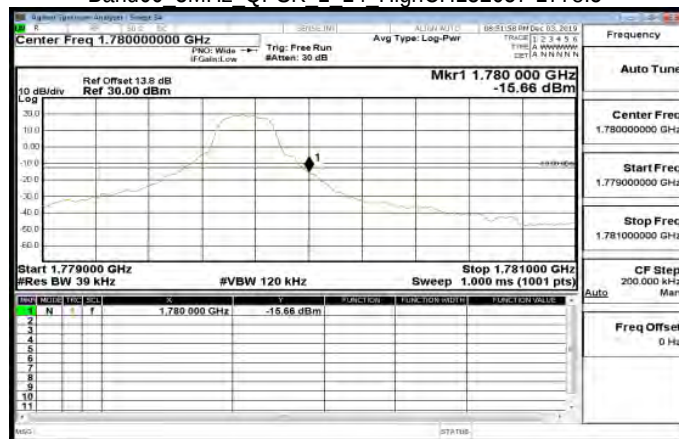
Band66 3MHz QPSK 1 0 LowCH131987-1711.5



Band66 1 4MHz QPSK 6 0 LowCH131979-1710.7



Band66 3MHz QPSK 1 14 HighCH132657-1778.5



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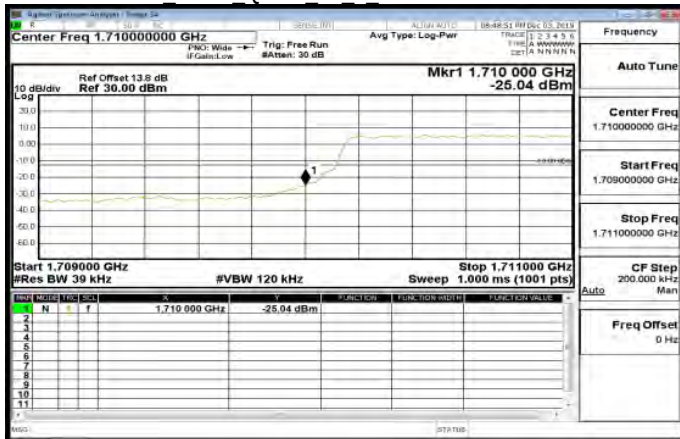
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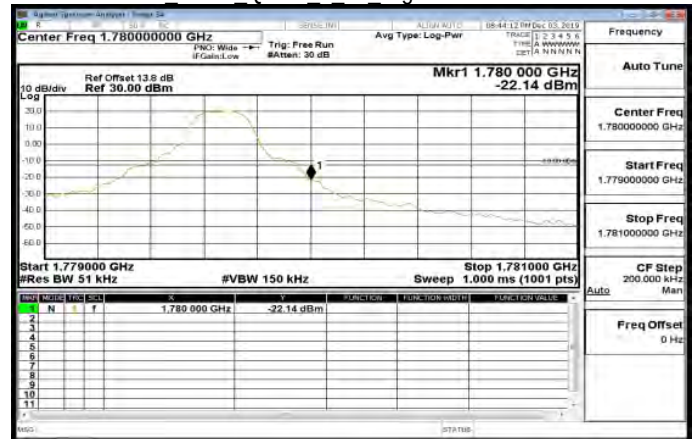
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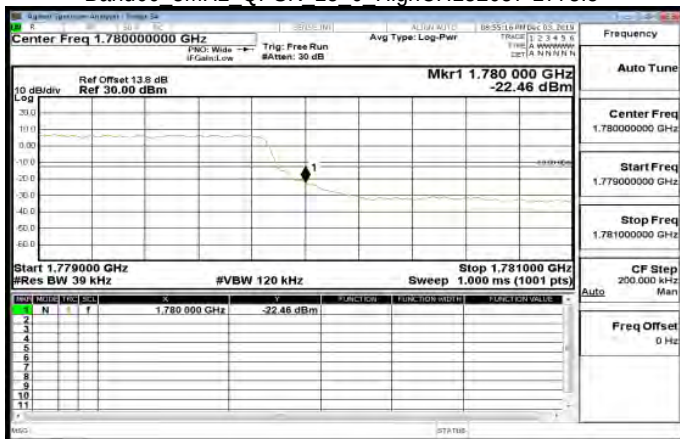
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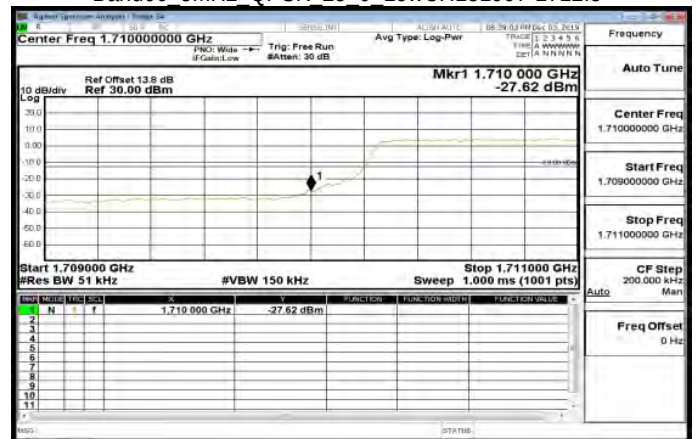
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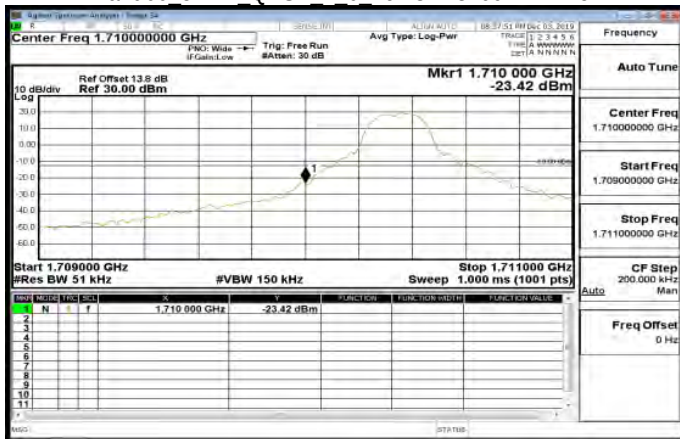
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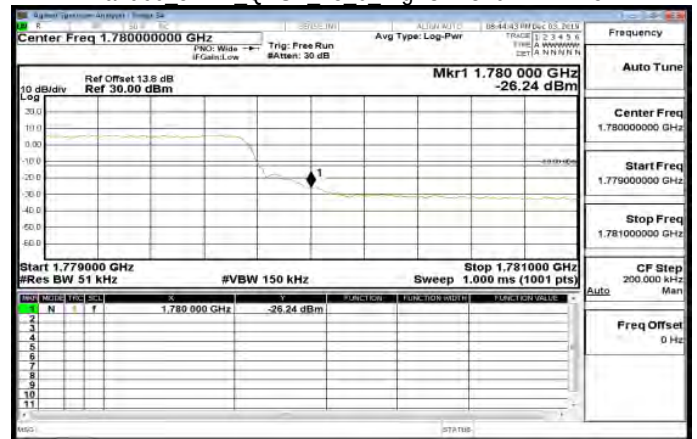
Band66 5MHz QPSK 25 0 LowCH131997-1712.5



Band66 5MHz QPSK 1 0 LowCH131997-1712.5



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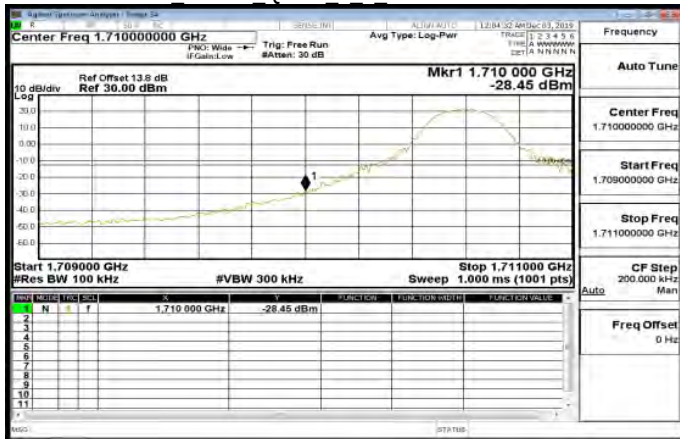
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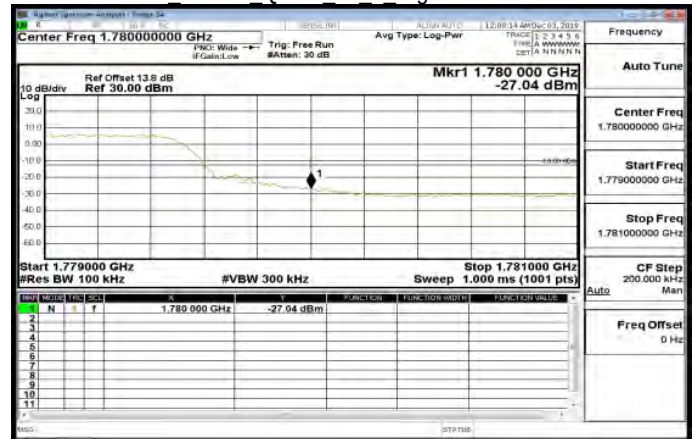
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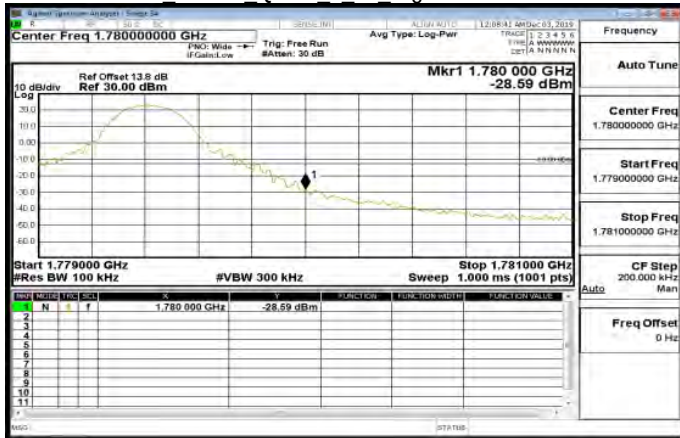
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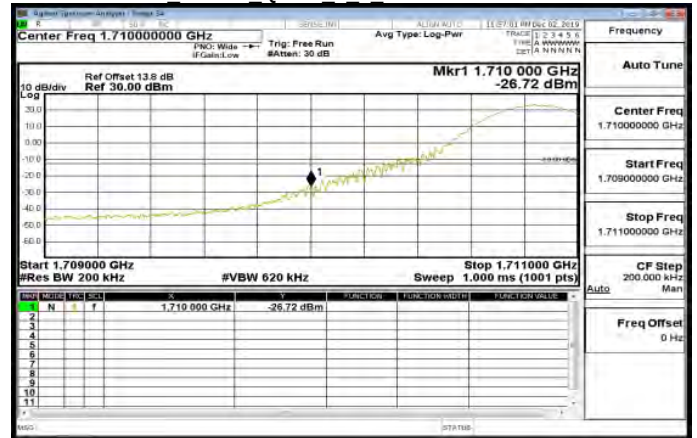
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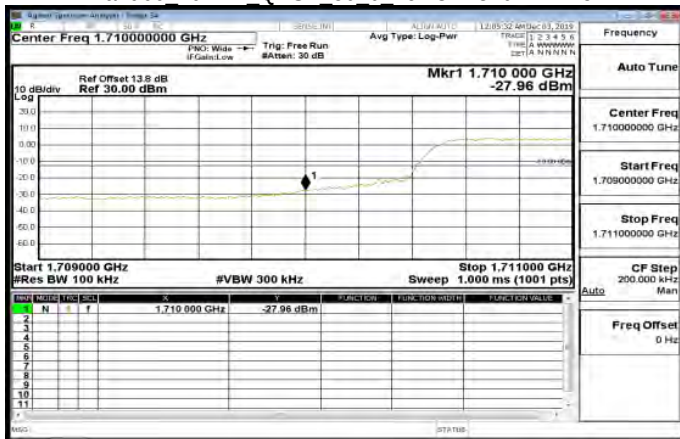
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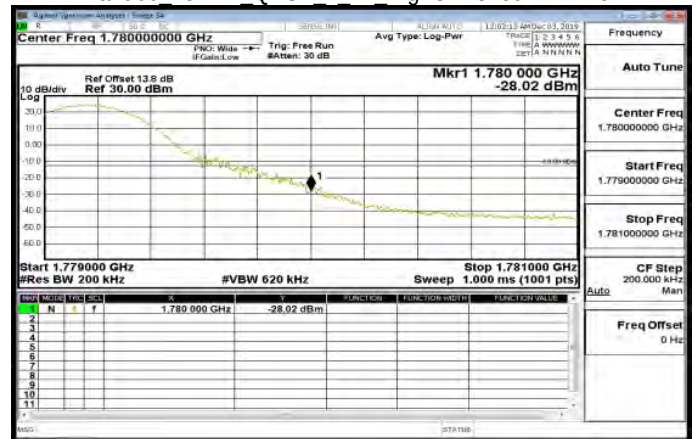
Band66 15MHz QPSK 1 0 LowCH132047-1717.5



Band66 10MHz QPSK 50 0 LowCH132022-1715



Band66 15MHz QPSK 1 74 HighCH132597-1772.5



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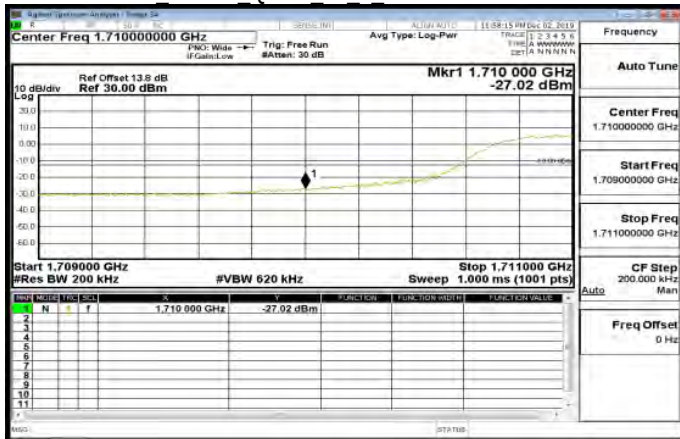
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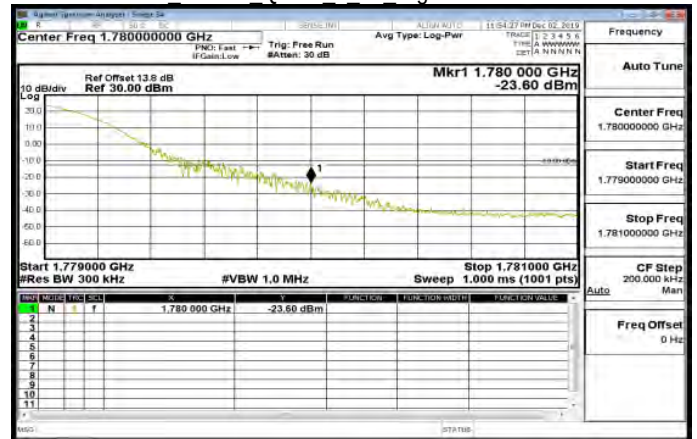
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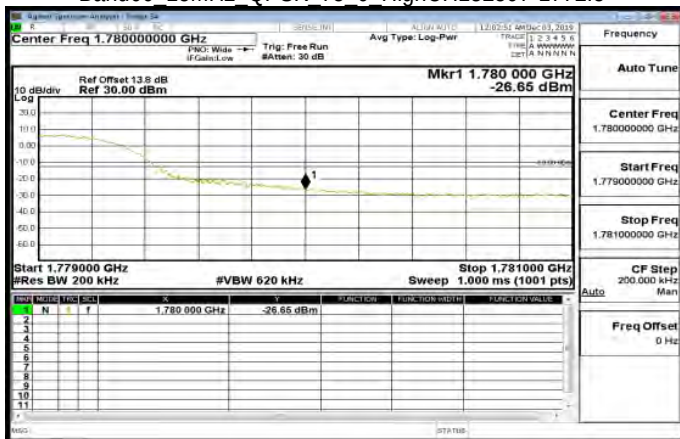
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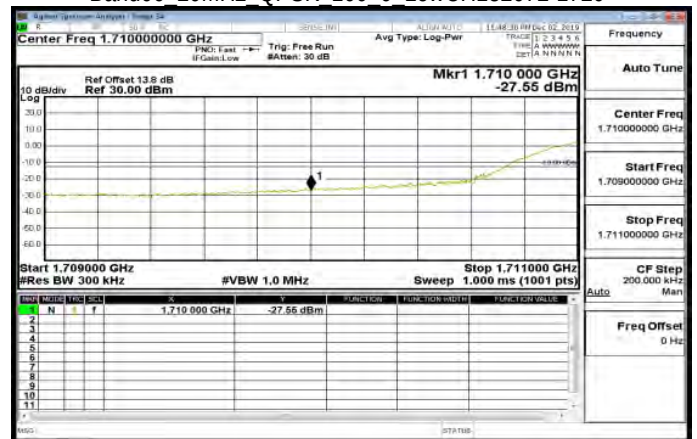
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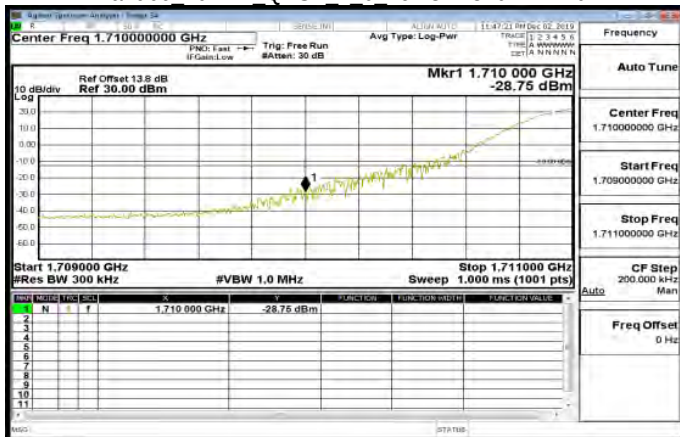
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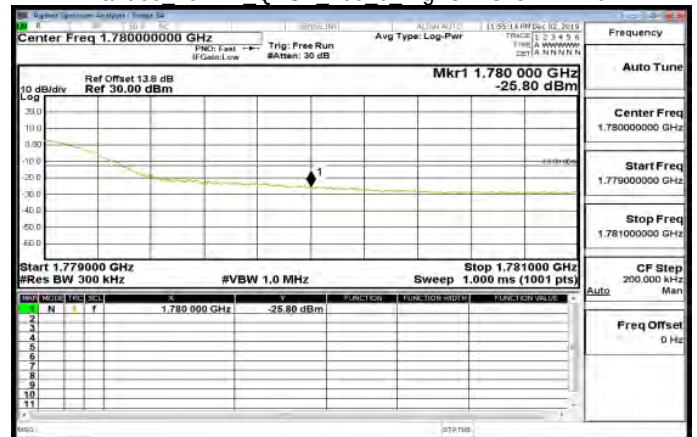
Band66 20MHz QPSK 100 0 LowCH132072-1720



Band66 20MHz QPSK 1 0 LowCH132072-1720



Band66 20MHz QPSK 100 0 HighCH132572-1770



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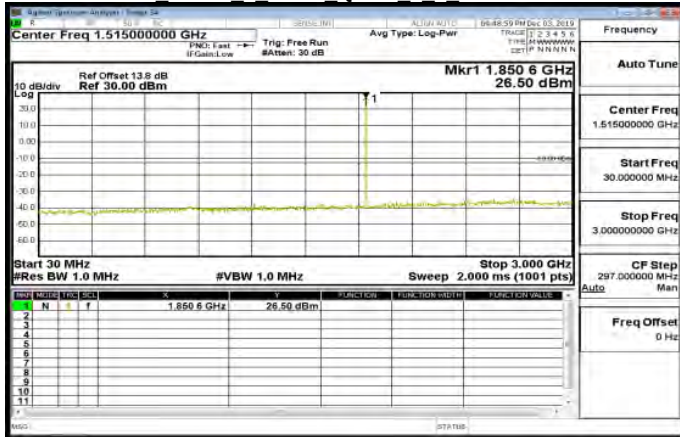
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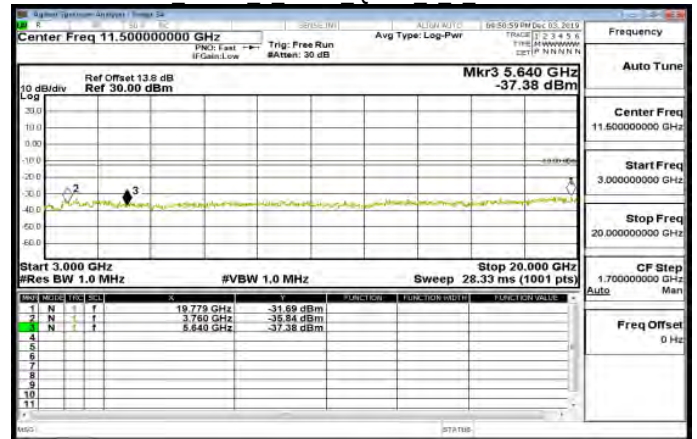
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Out of Band Emission

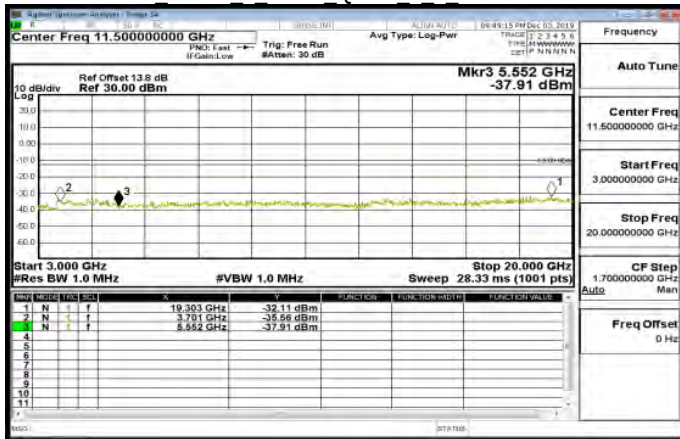
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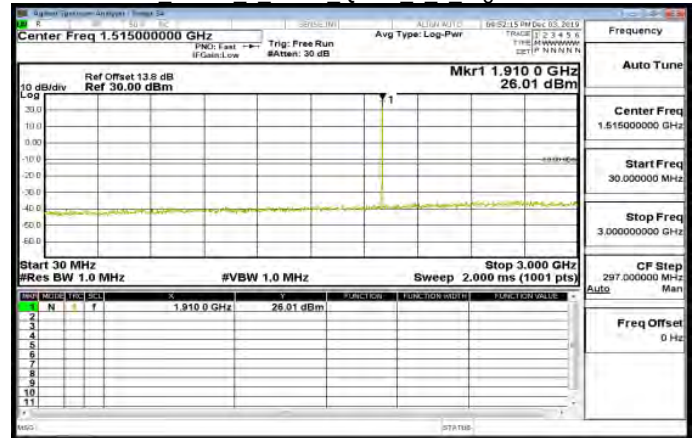
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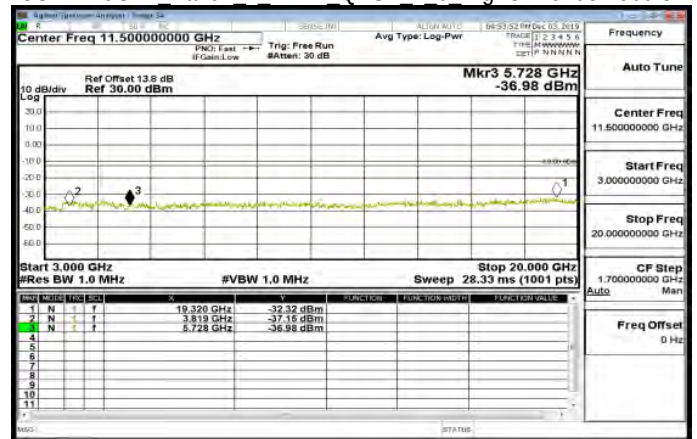
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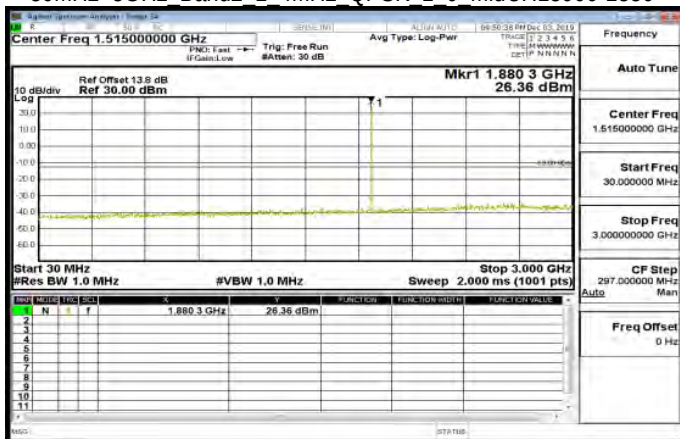
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30MHz~3GHz Band2 1 4MHz QPSK 1 0 MidCH18900-1880



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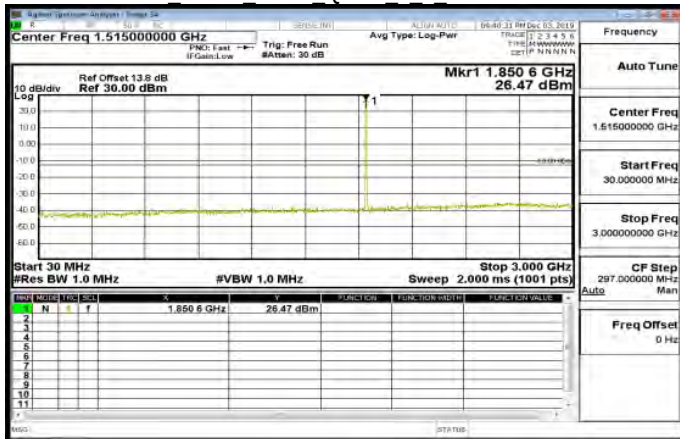
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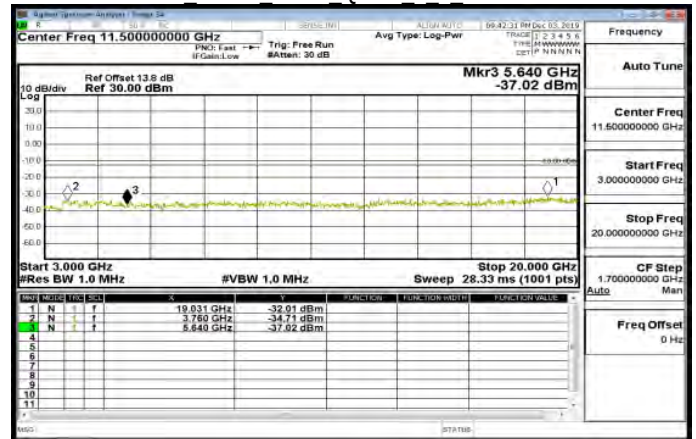
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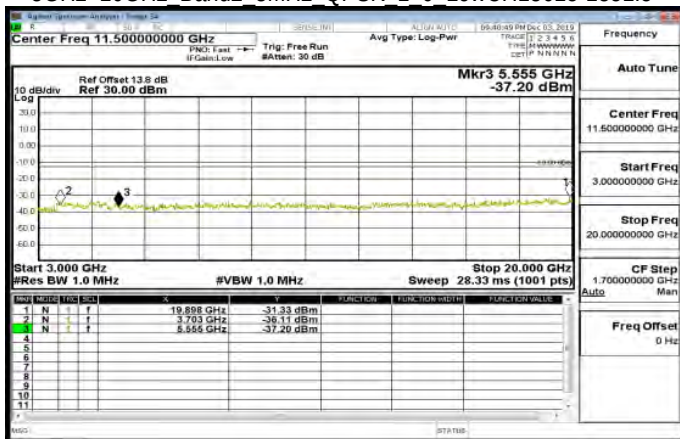
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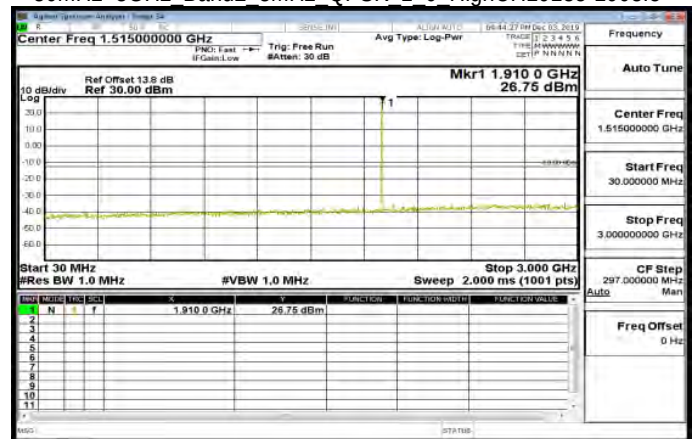
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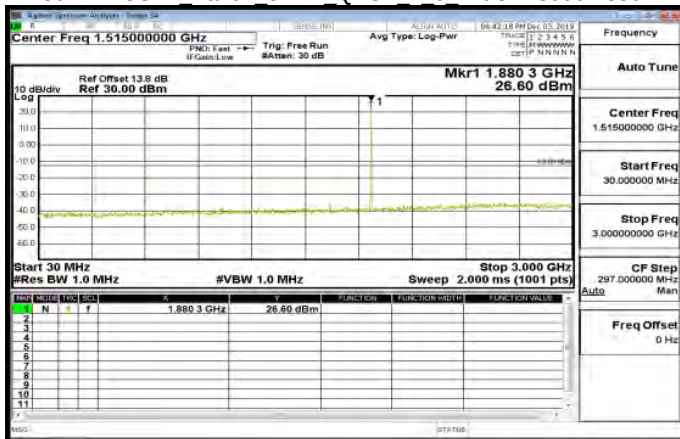
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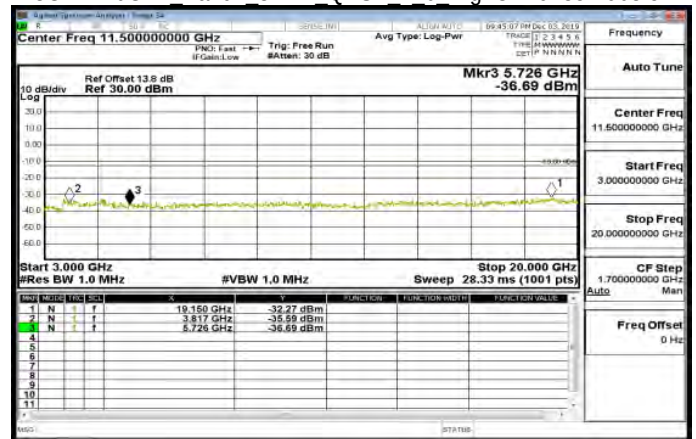
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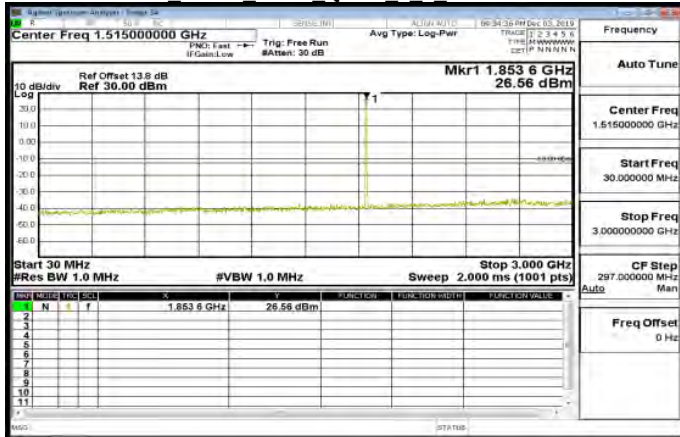
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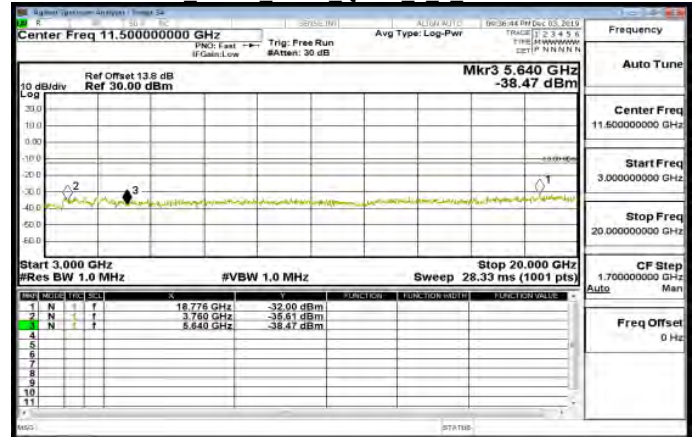
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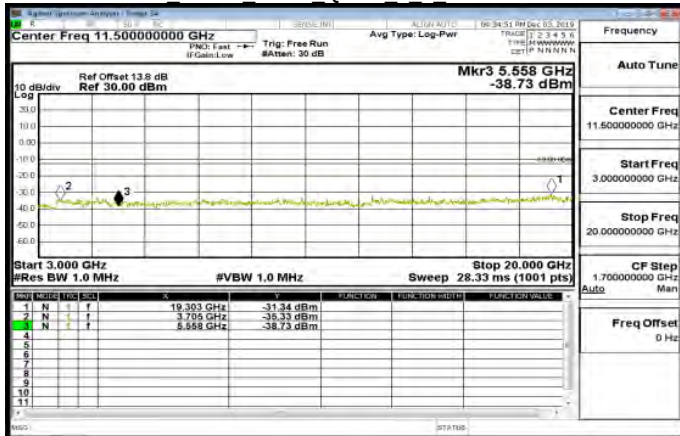
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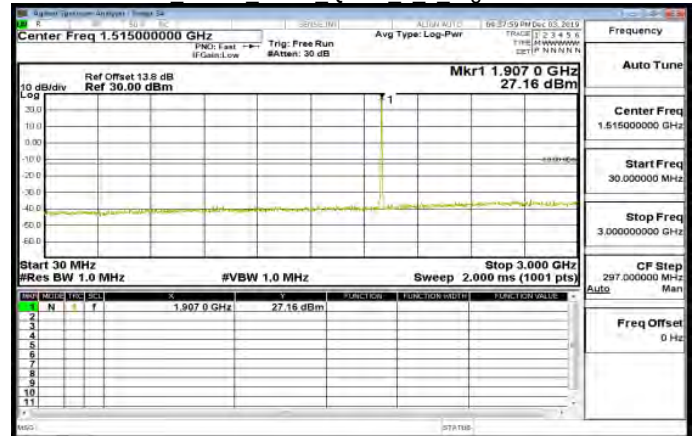
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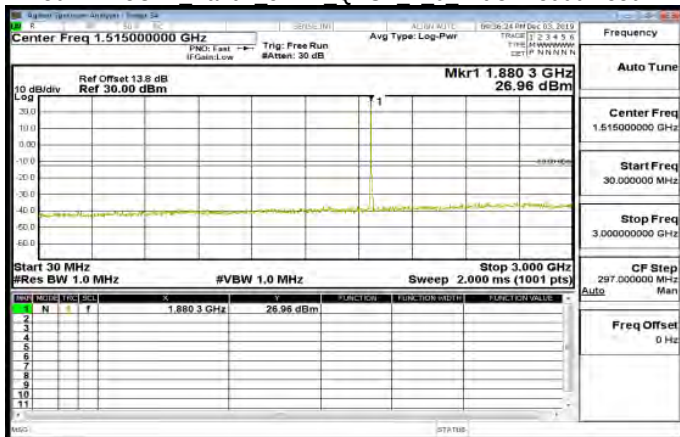
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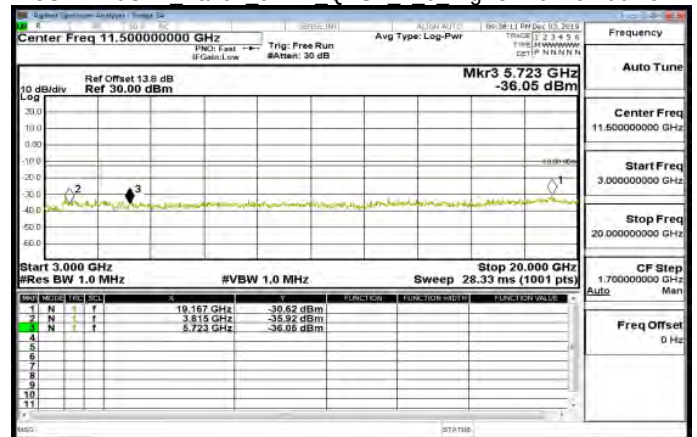
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30MHz~3GHz Band2 5MHz QPSK 1 0 MidCH18900-1880



3GHz~10GHz Band2 5MHz QPSK 1 0 HighCH19175-1907.5



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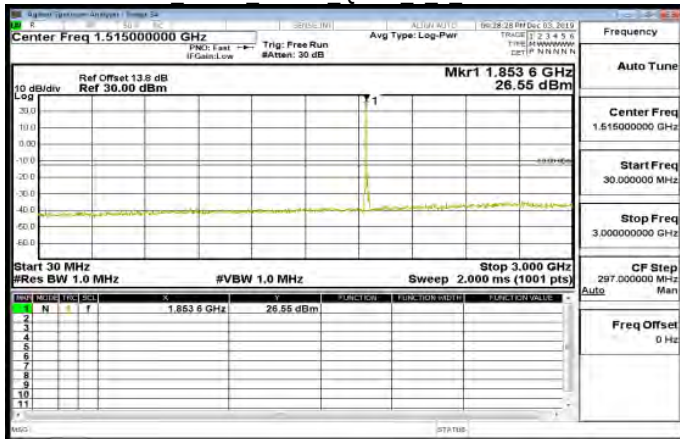
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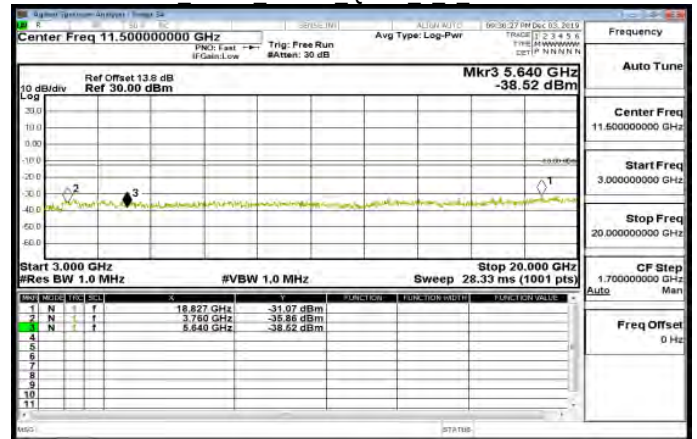
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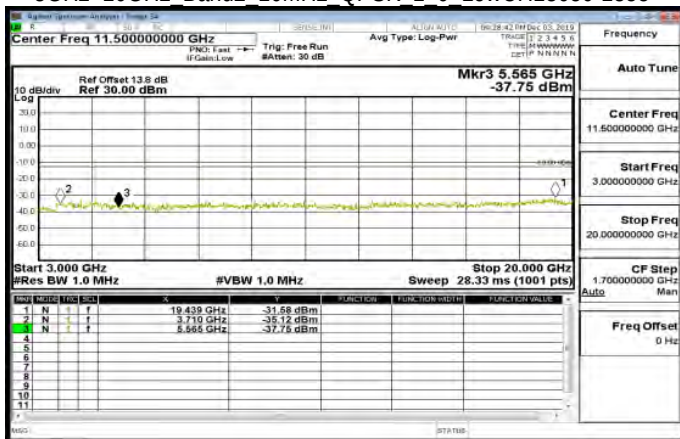
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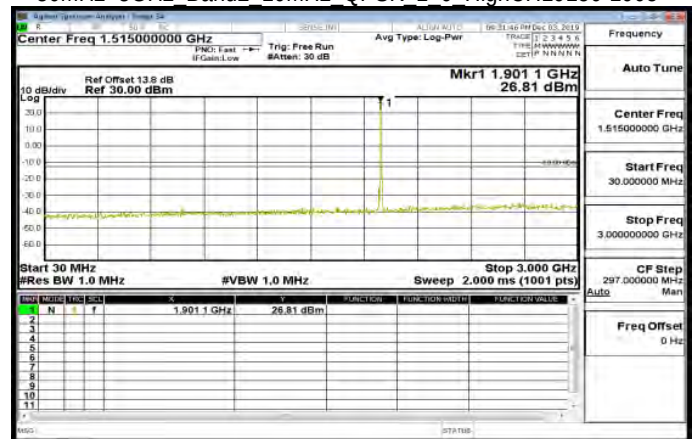
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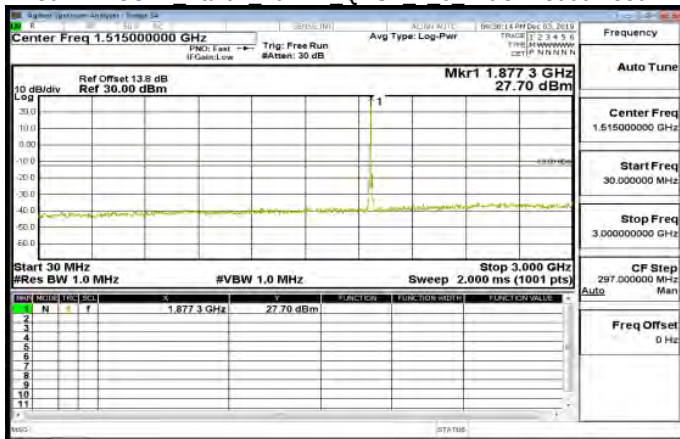
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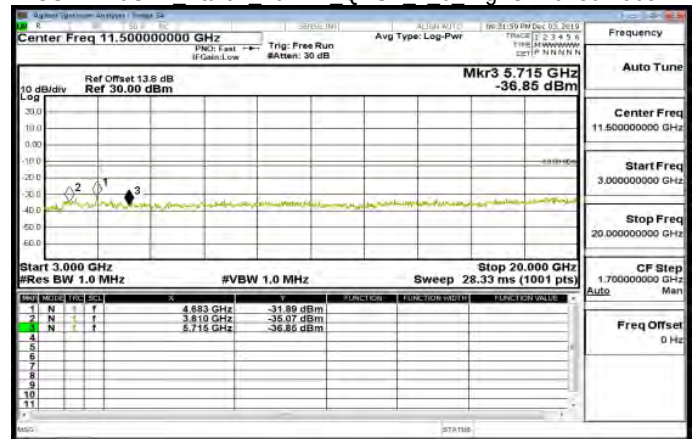
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30MHz~3GHz Band2 10MHz QPSK 1 0 MidCH18900-1880



3GHz~10GHz Band2 10MHz QPSK 1 0 HighCH19150-1905



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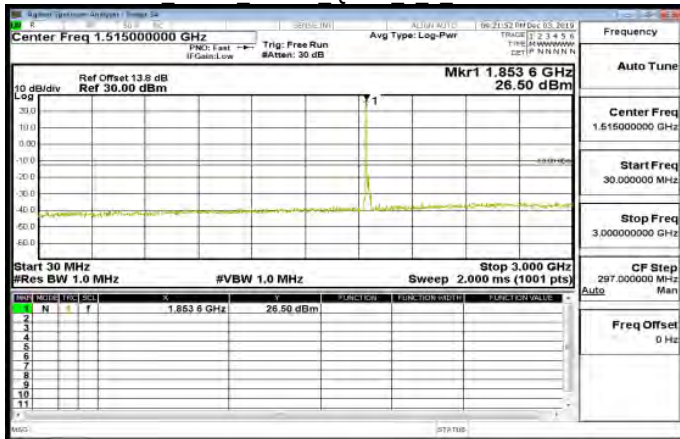
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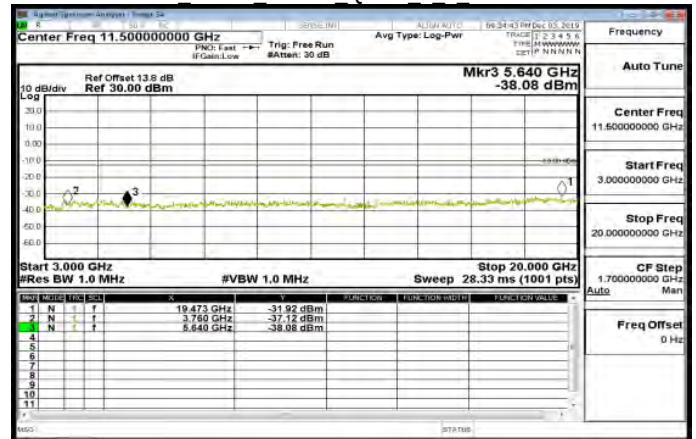
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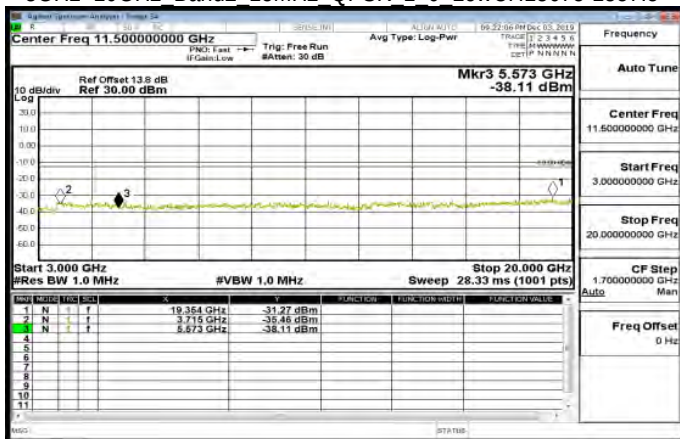
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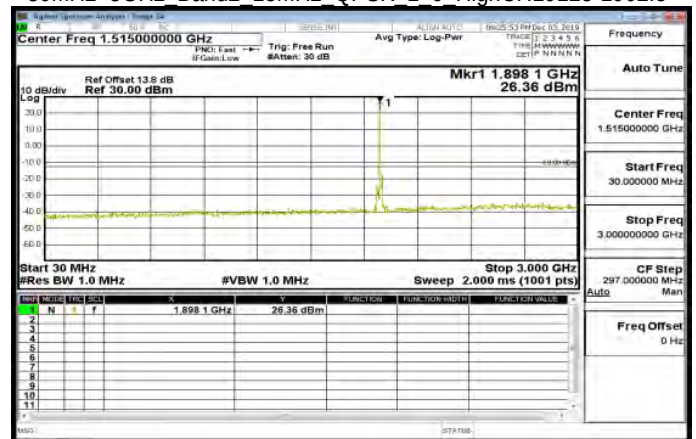
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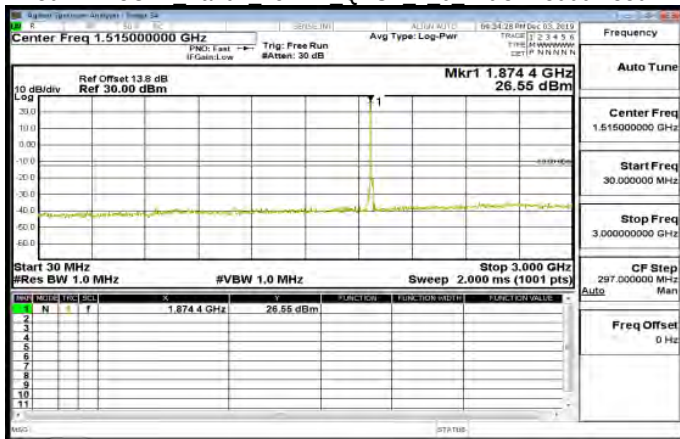
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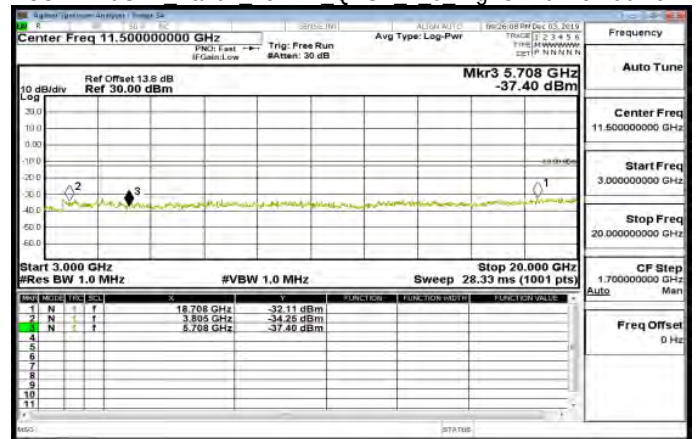
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30MHz~3GHz Band2 15MHz QPSK 1 0 MidCH18900-1880



3GHz~10GHz Band2 15MHz QPSK 1 0 HighCH19125-1902.5



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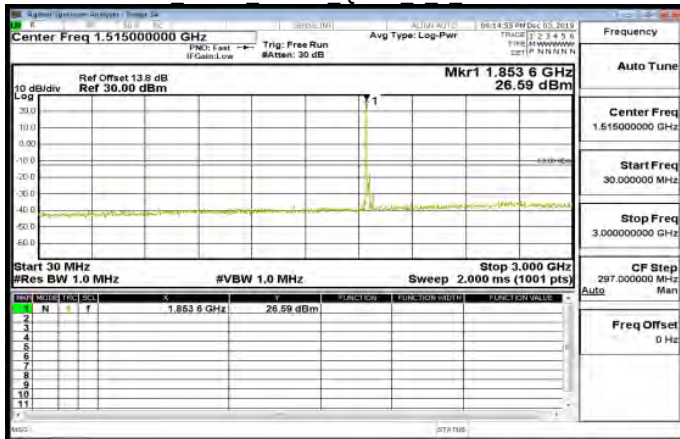
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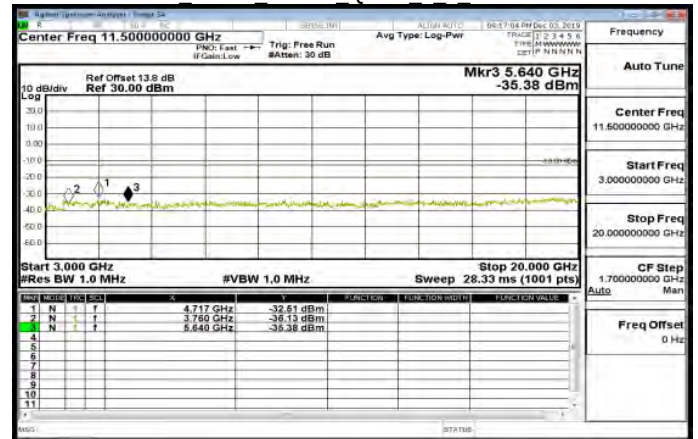
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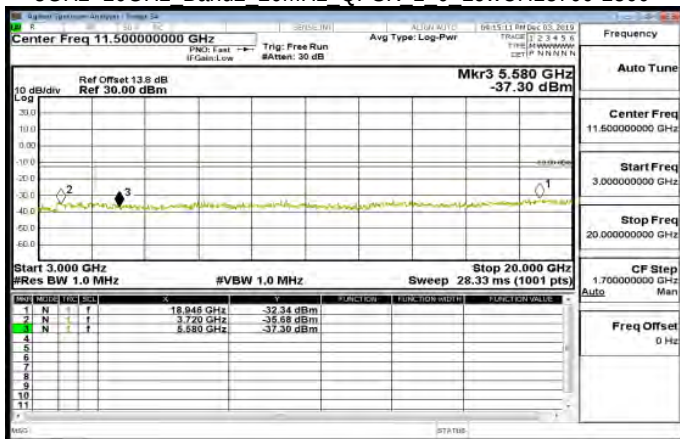
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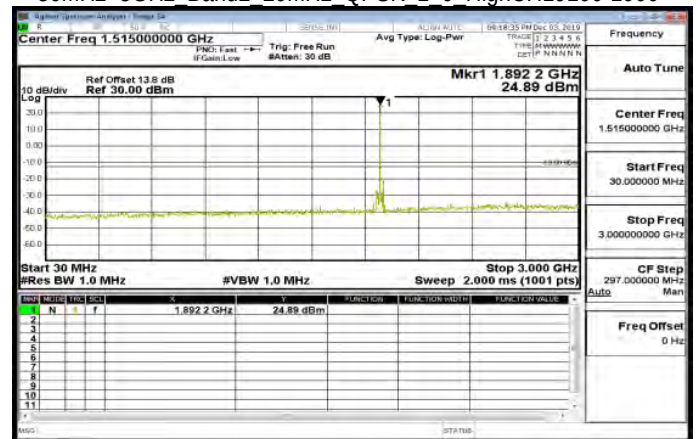
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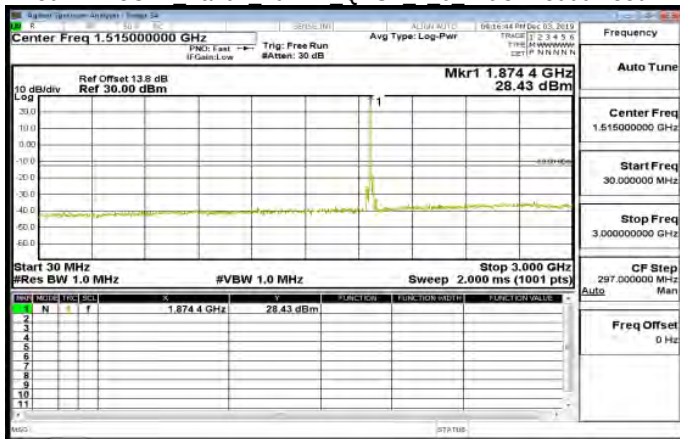
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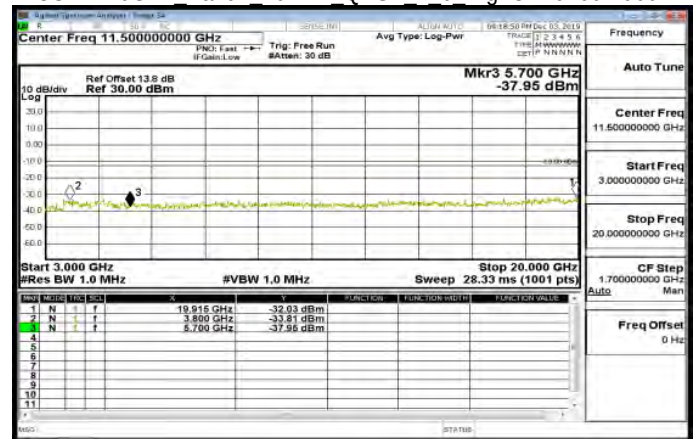
30MHz~3GHz Band2 20MHz QPSK 1 0 HighCH19100-1900



30MHz~3GHz Band2 20MHz QPSK 1 0 MidCH18900-1880



3GHz~10GHz Band2 20MHz QPSK 1 0 HighCH19100-1900



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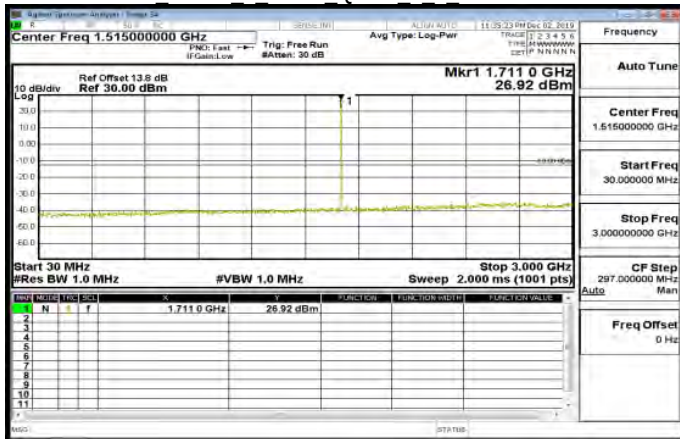
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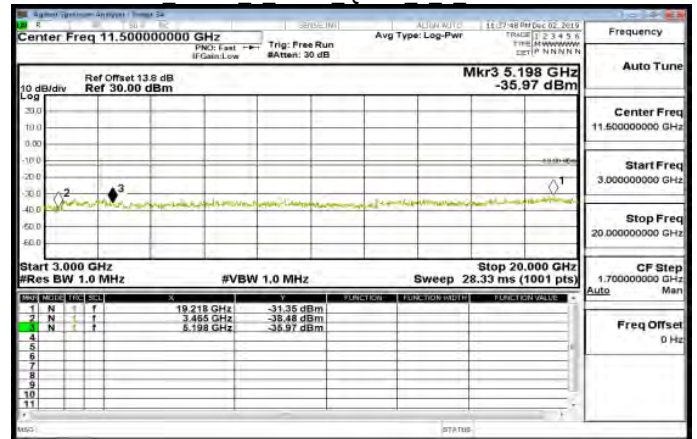
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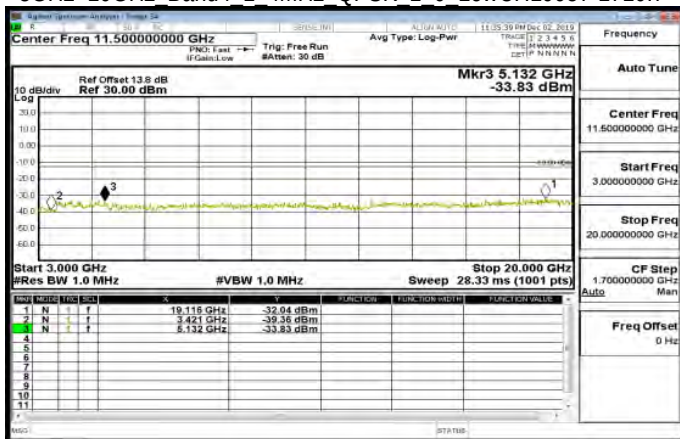
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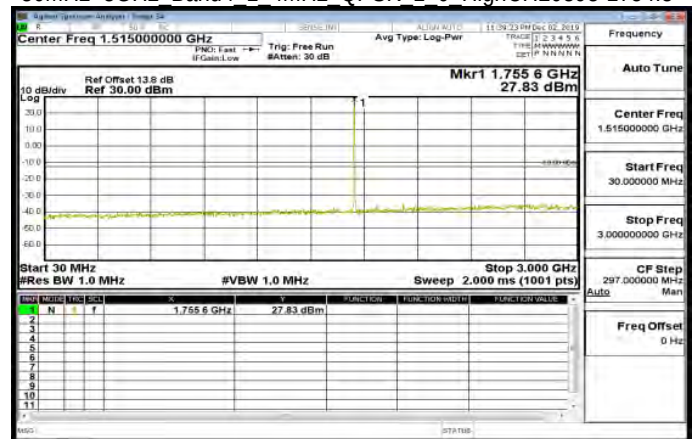
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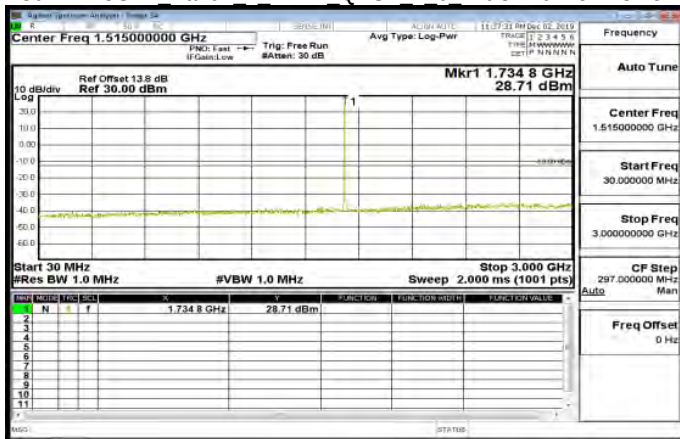
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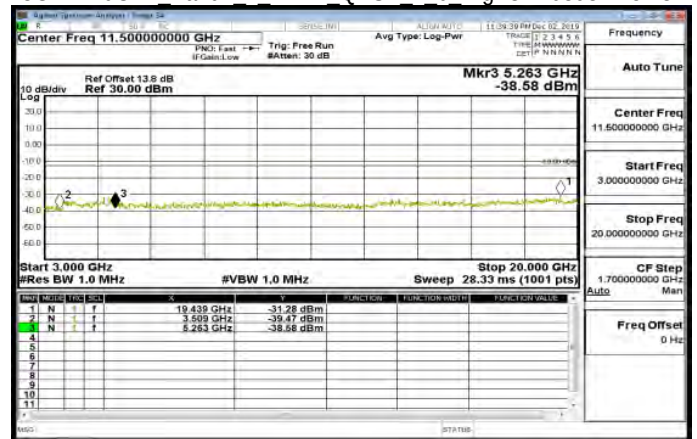
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30MHz~3GHz Band4 1 4MHz QPSK 1 0 MidCH20175-1732.5



3GHz~10GHz Band4 1 4MHz QPSK 1 0 HighCH20393-1754.3



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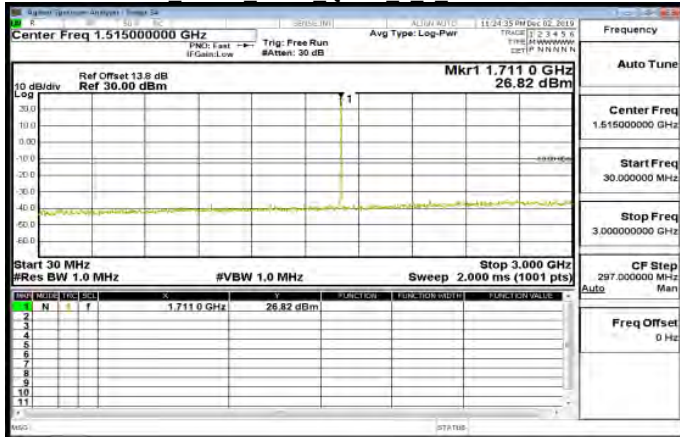
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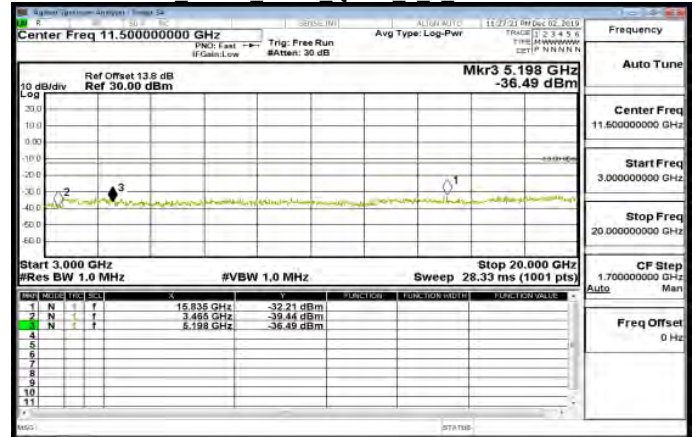
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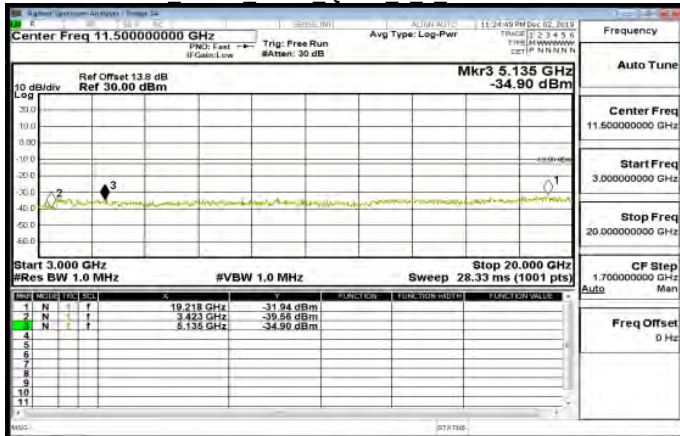
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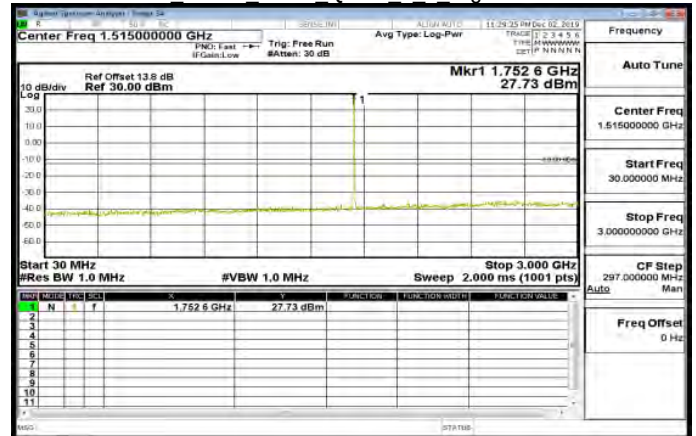
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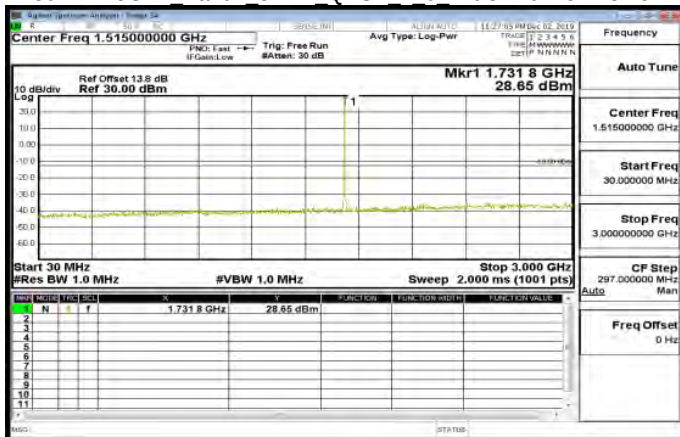
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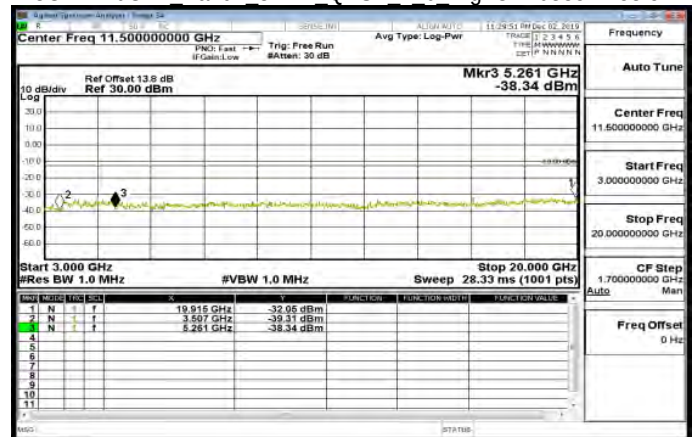
30MHz~3GHz Band4 3MHz QPSK 1 0 HighCH20385-1753.5



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3GHz~10GHz Band4 3MHz QPSK 1 0 HighCH20385-1753.5



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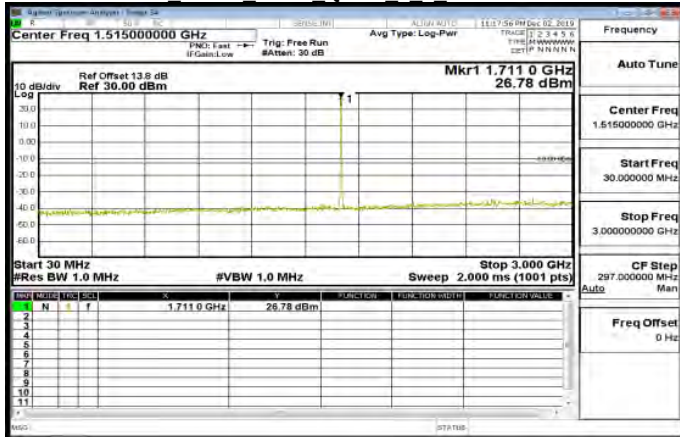
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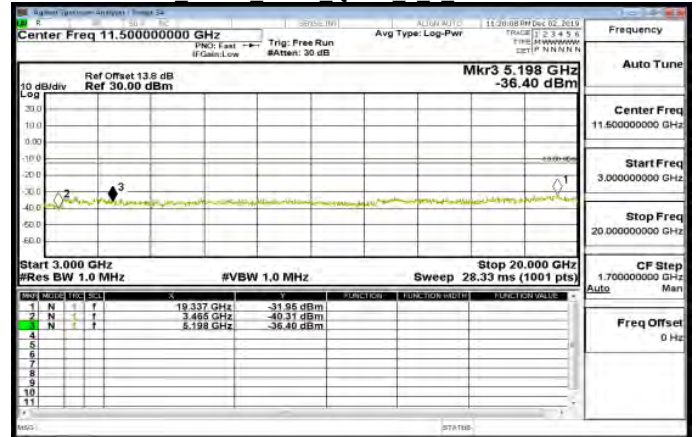
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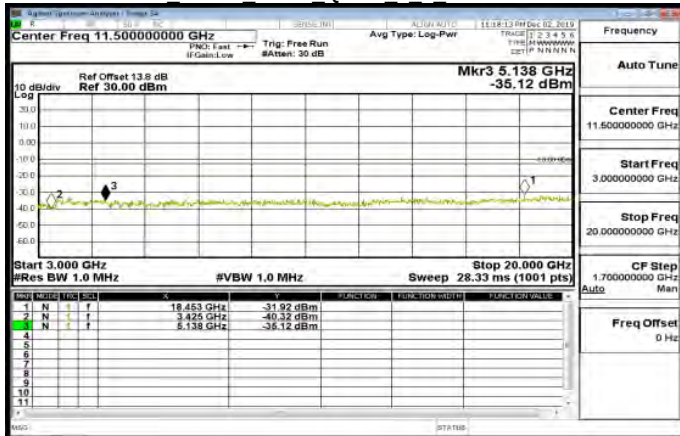
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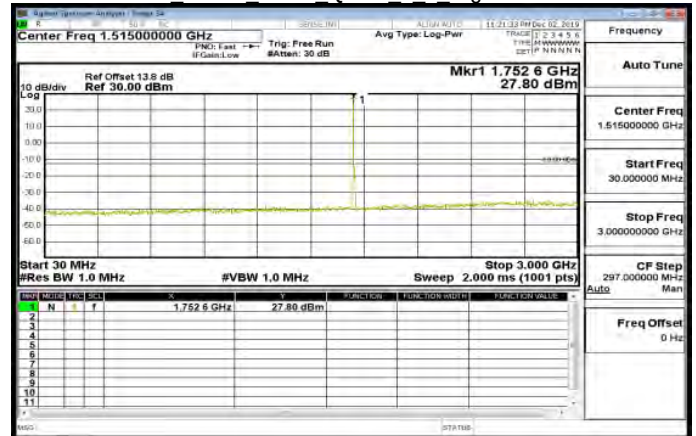
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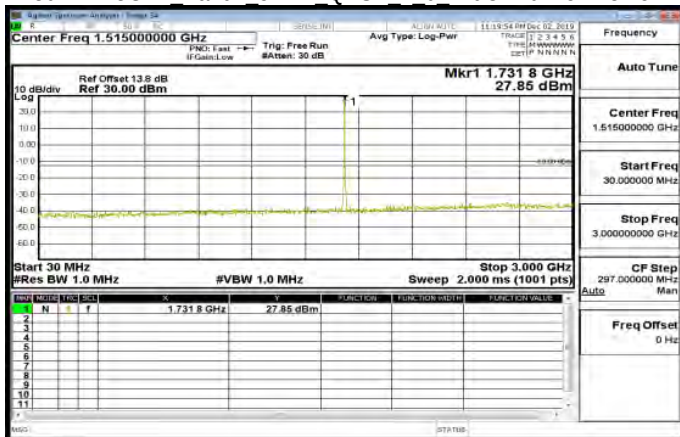
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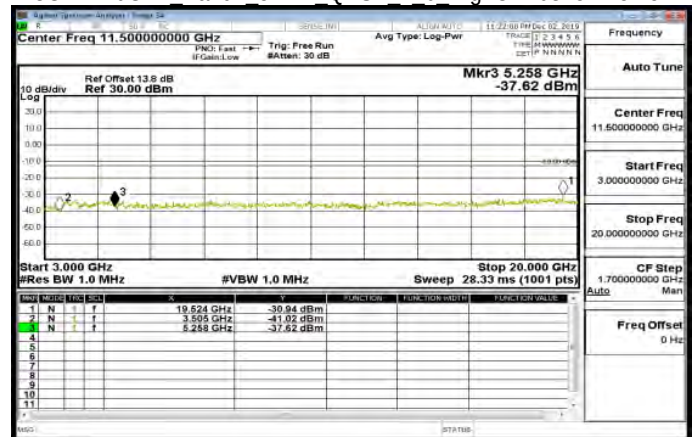
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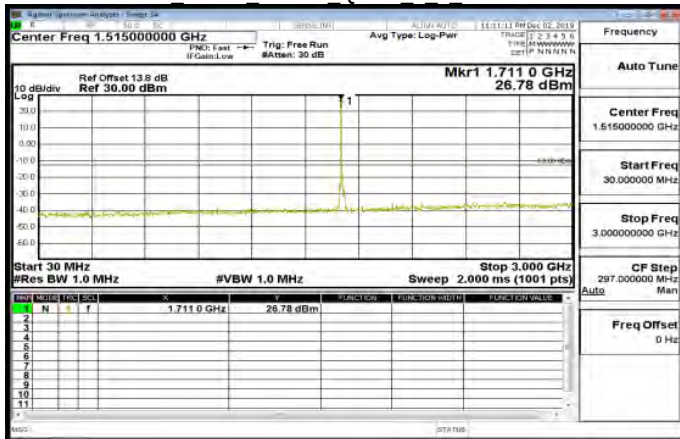
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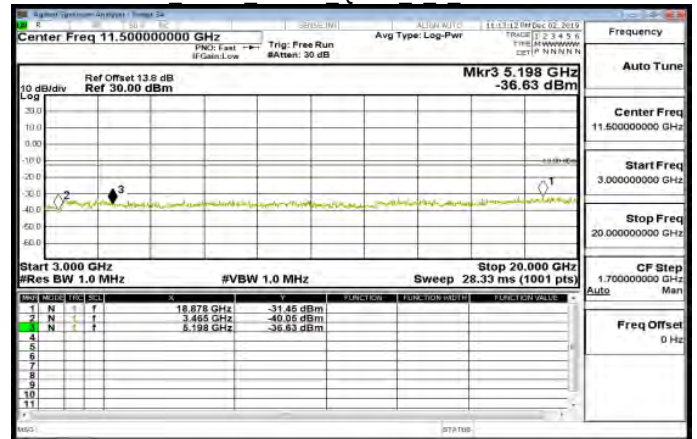
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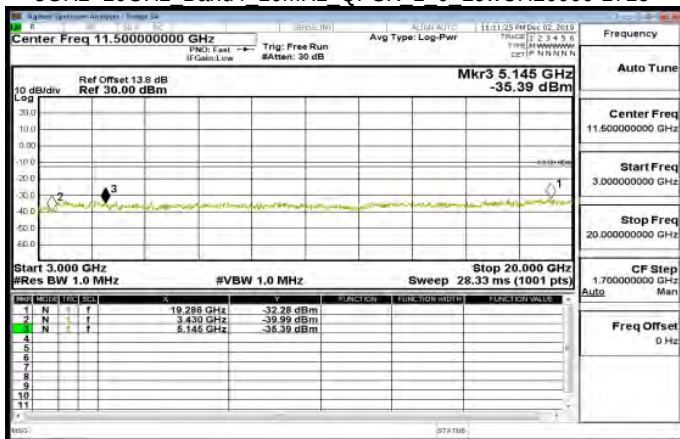
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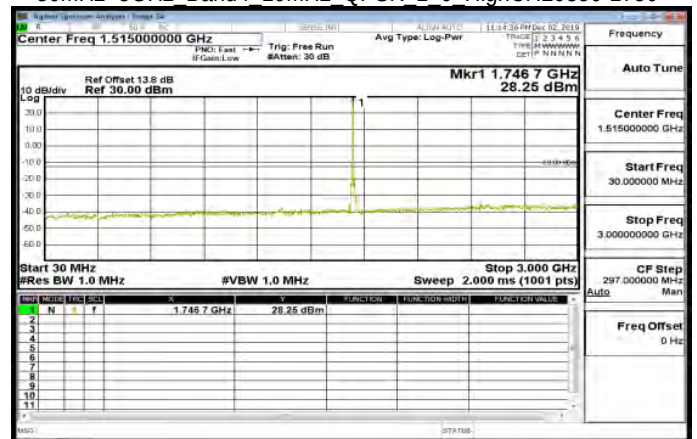
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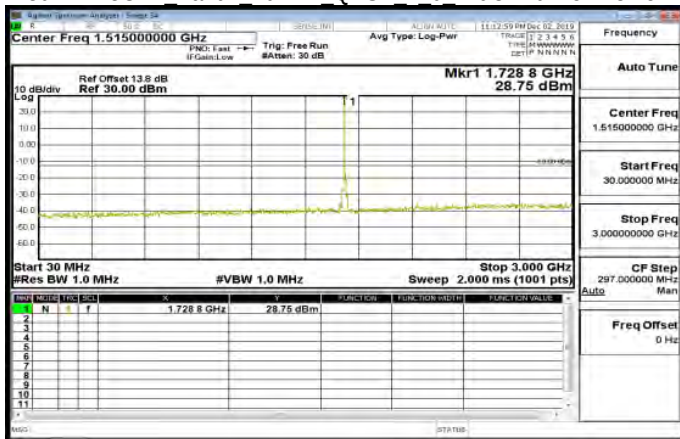
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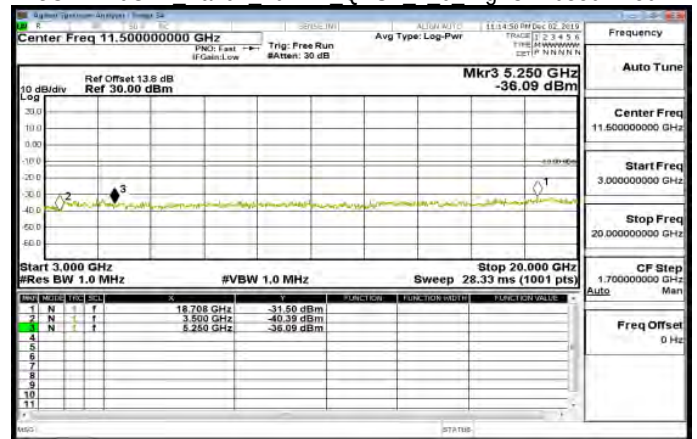
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30MHz~3GHz Band4 10MHz QPSK 1 0 MidCH20175-1732.5



3GHz~10GHz Band4 10MHz QPSK 1 0 HighCH20350-1750



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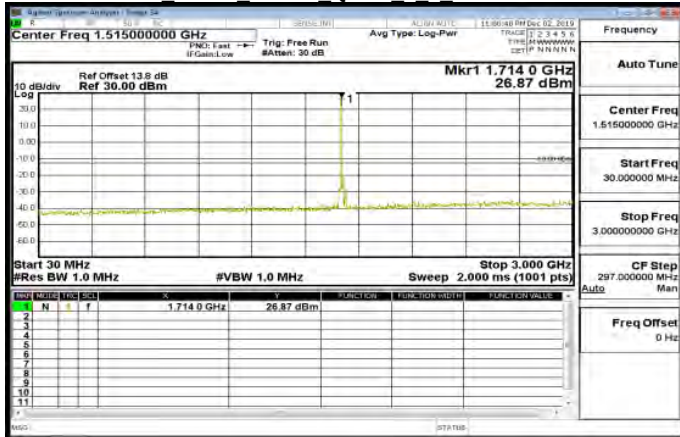
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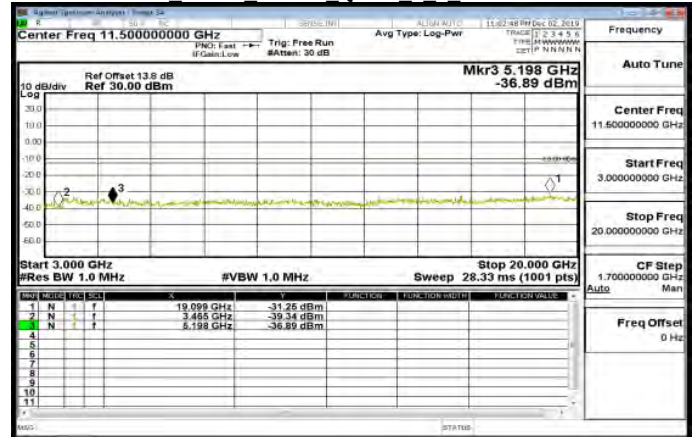
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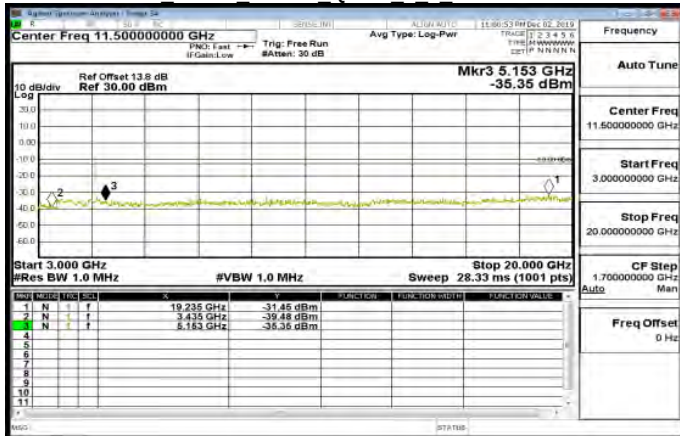
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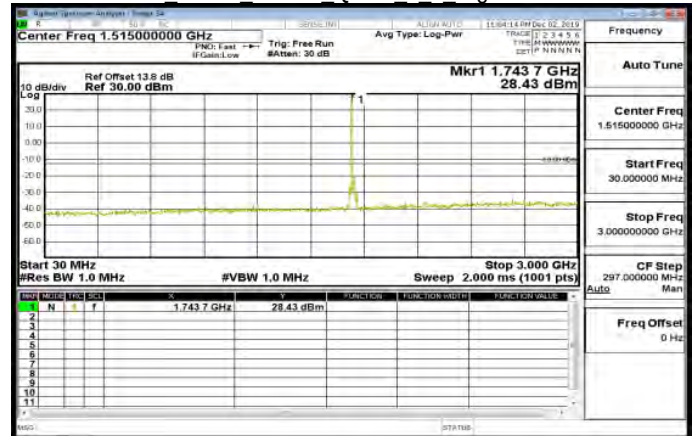
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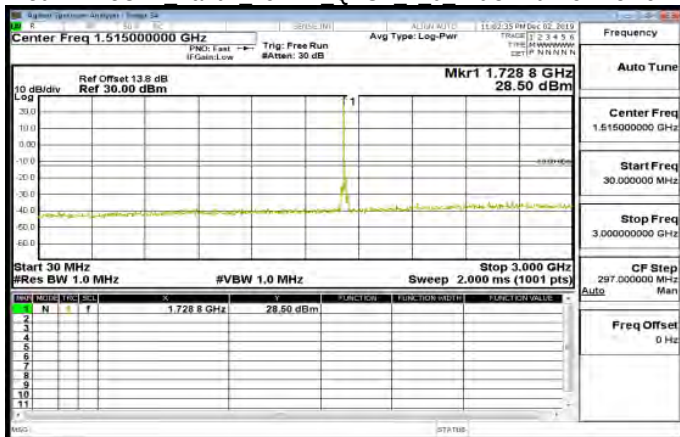
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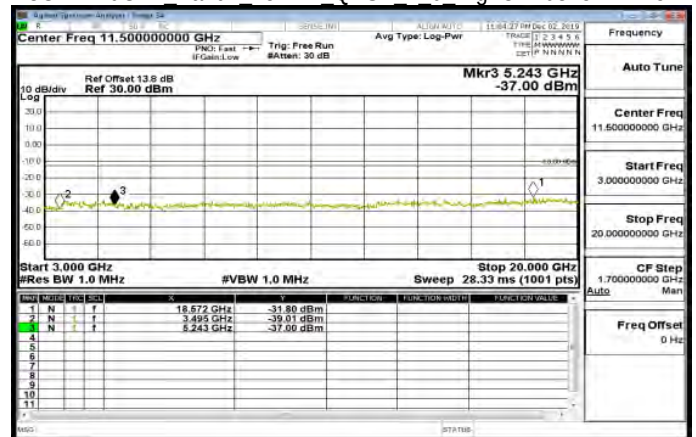
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30MHz~3GHz Band4 15MHz QPSK 1 0 MidCH20175-1732.5



3GHz~10GHz Band4 15MHz QPSK 1 0 HighCH20325-1747.5



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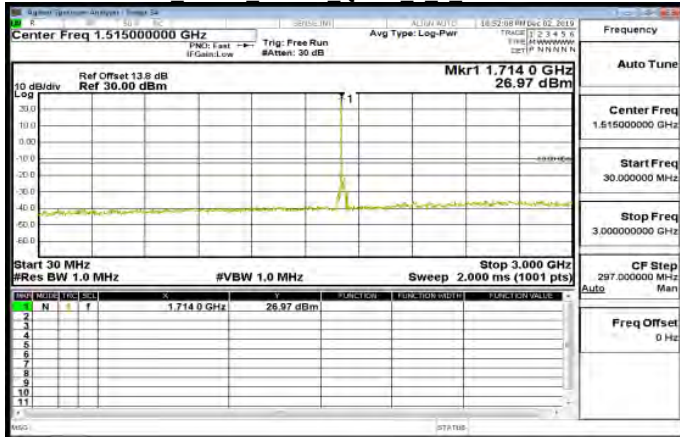
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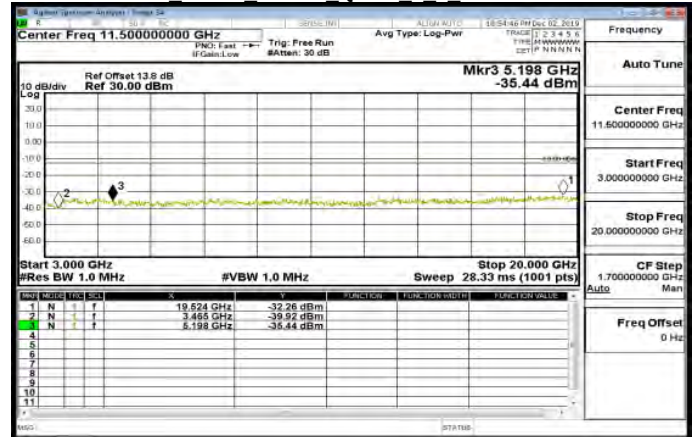
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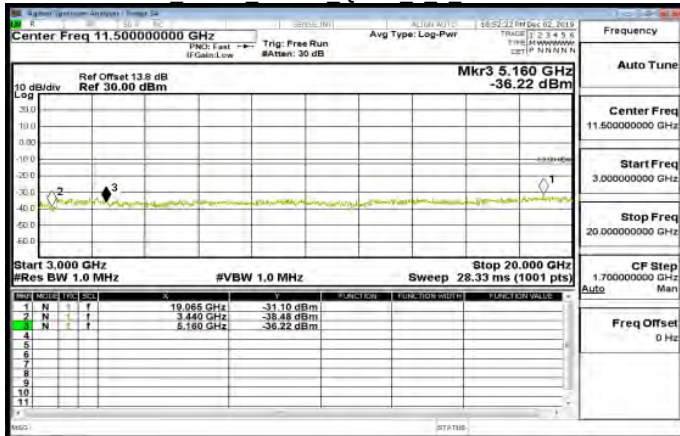
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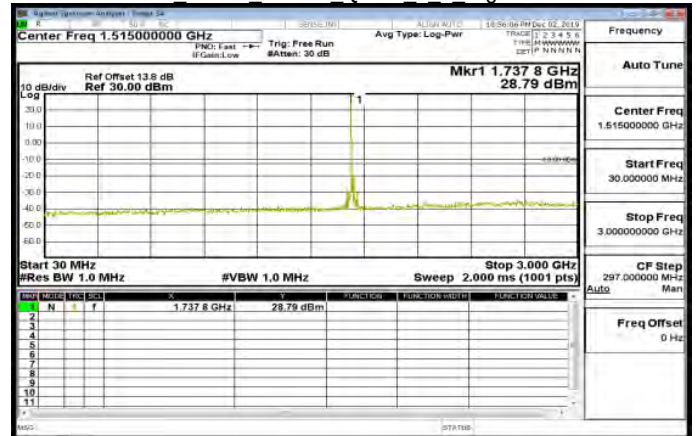
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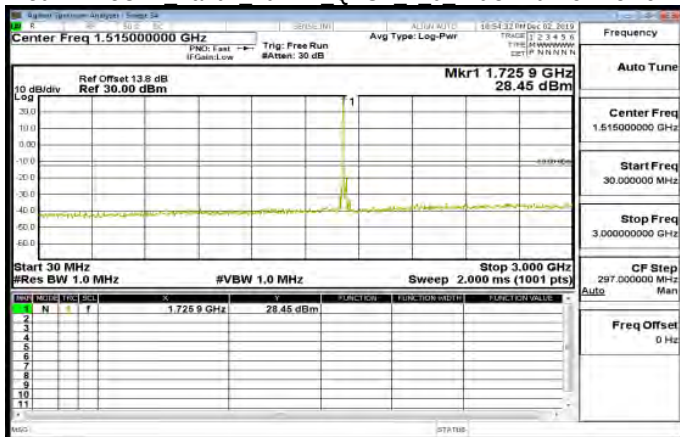
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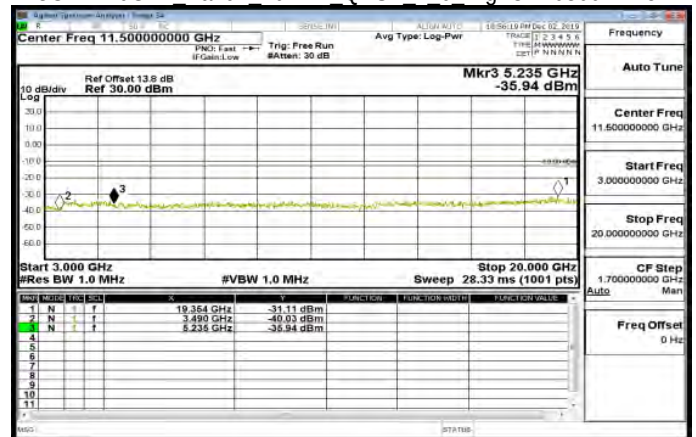
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30MHz~3GHz Band4 20MHz QPSK 1 0 MidCH20175-1732.5



3GHz~10GHz Band4 20MHz QPSK 1 0 HighCH20300-1745



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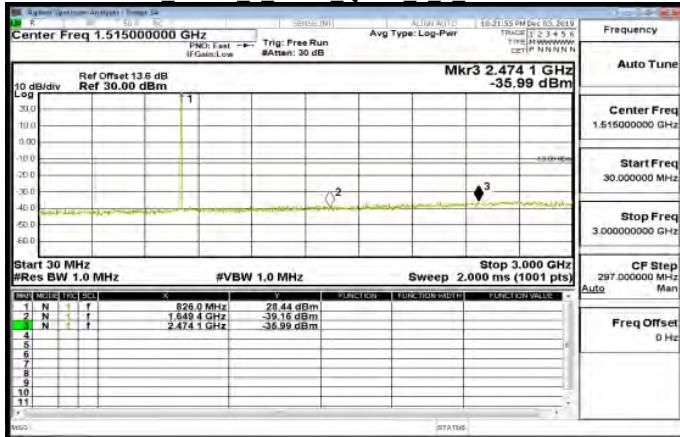
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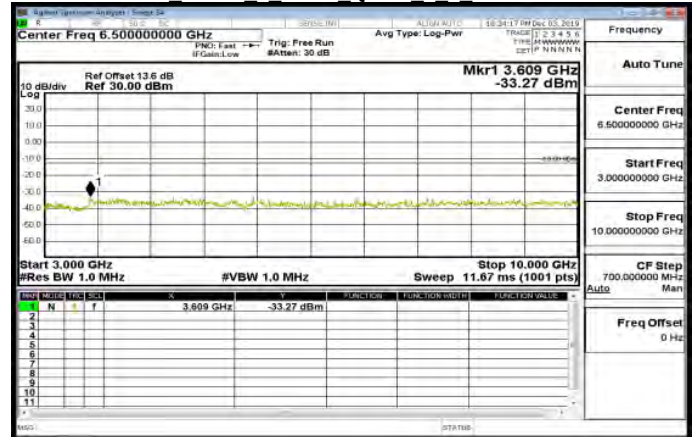
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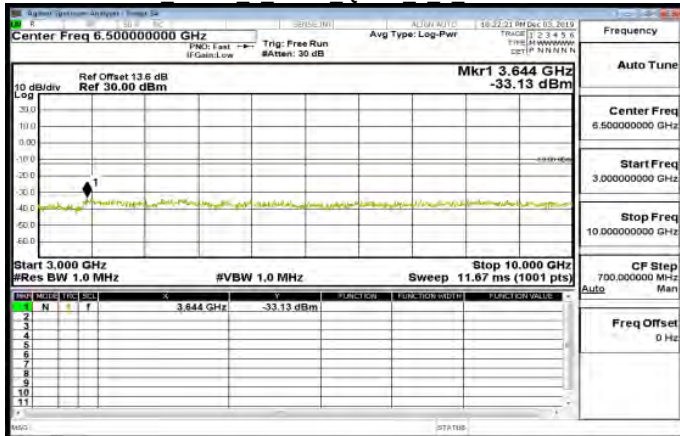
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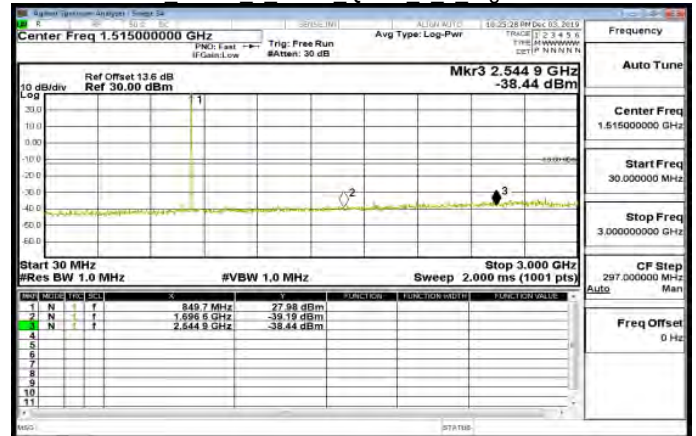
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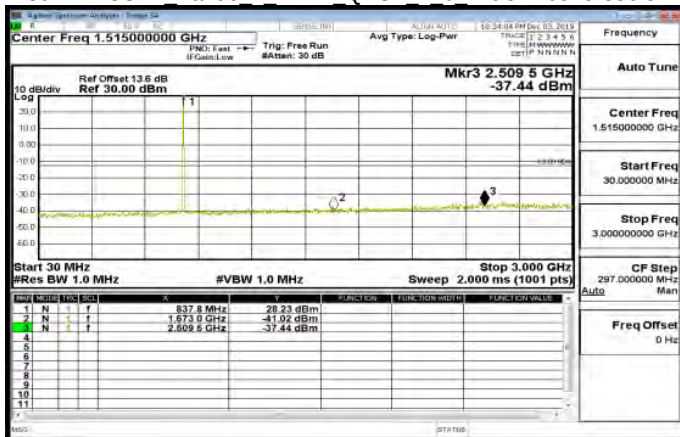
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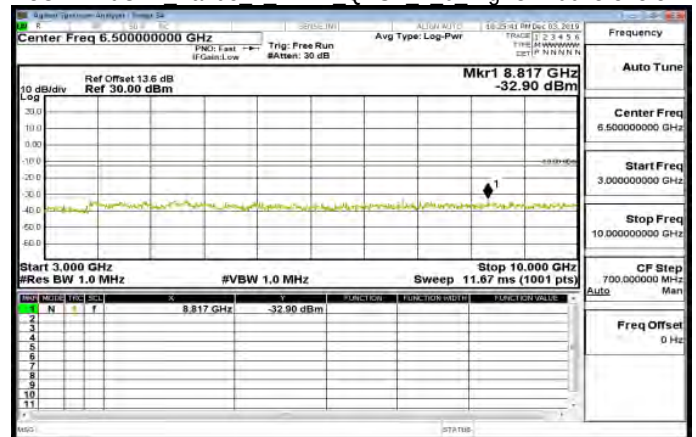
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30MHz~3GHz Band5 1 4MHz QPSK 1 0 MidCH20525-836.5



3GHz~10GHz Band5 1 4MHz QPSK 1 0 HighCH20643-848.3



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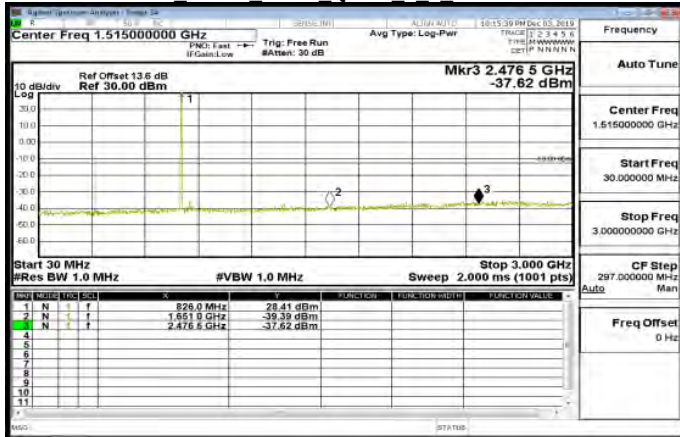
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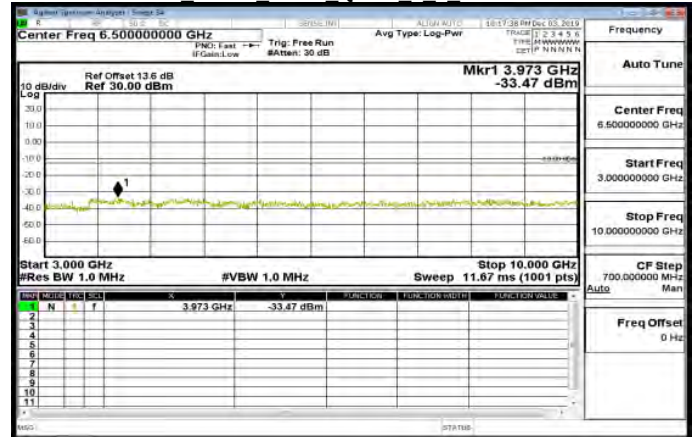
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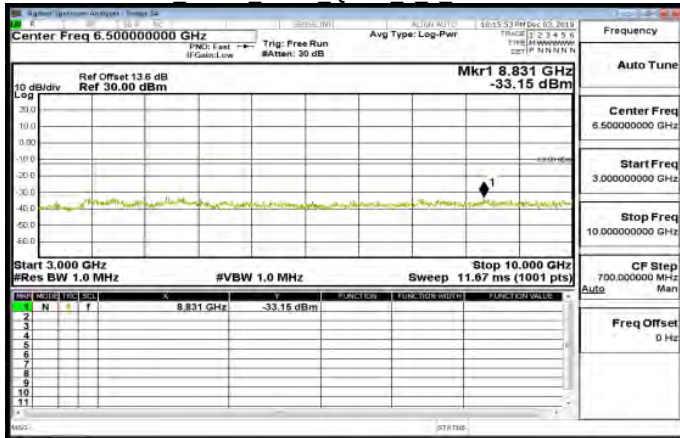
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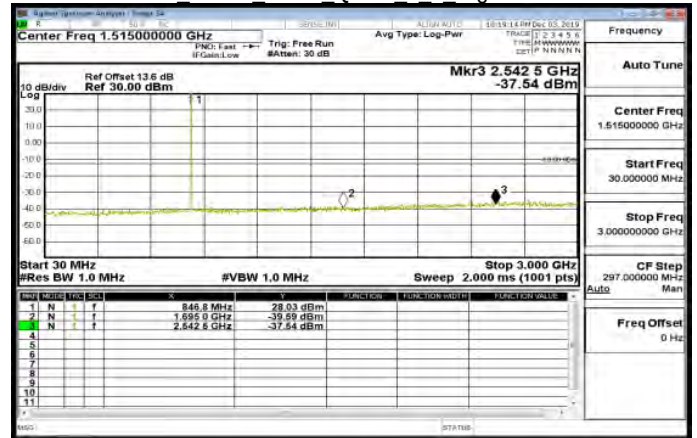
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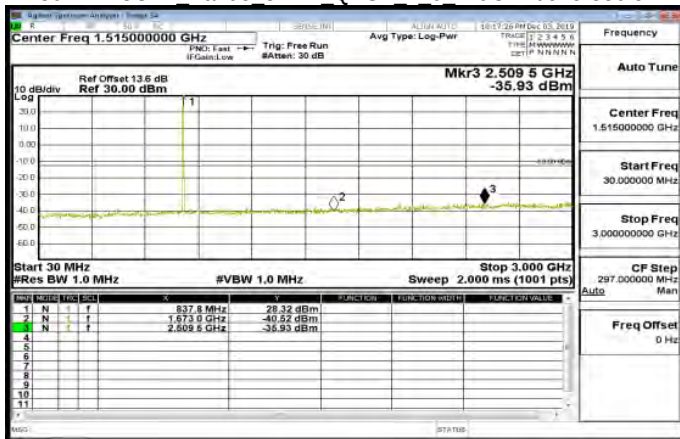
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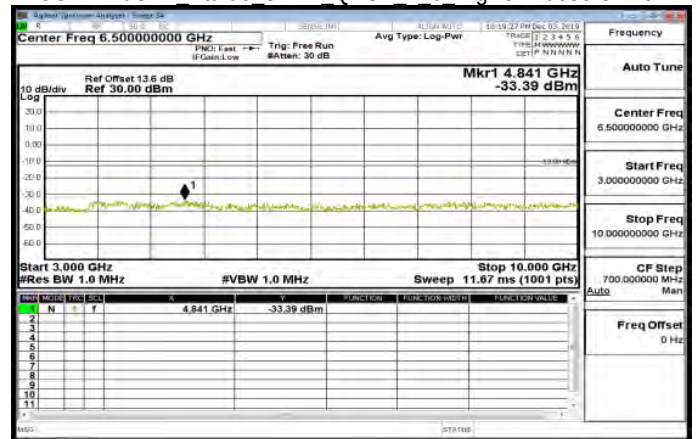
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30MHz~3GHz Band5 3MHz QPSK 1 0 MidCH20525-836.5



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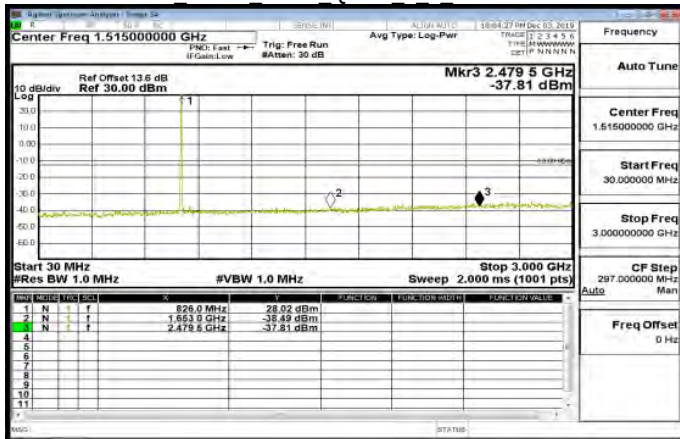
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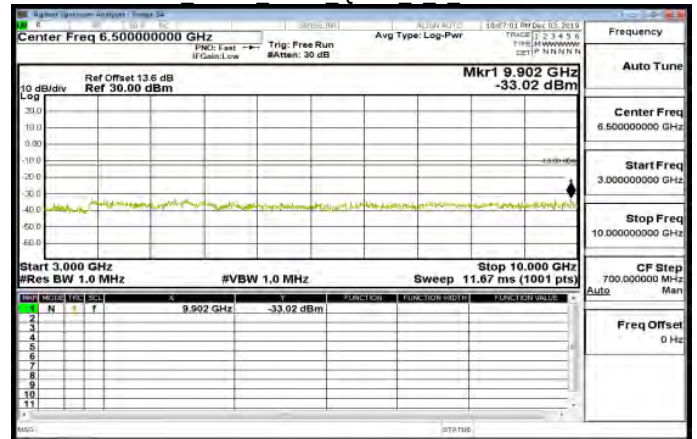
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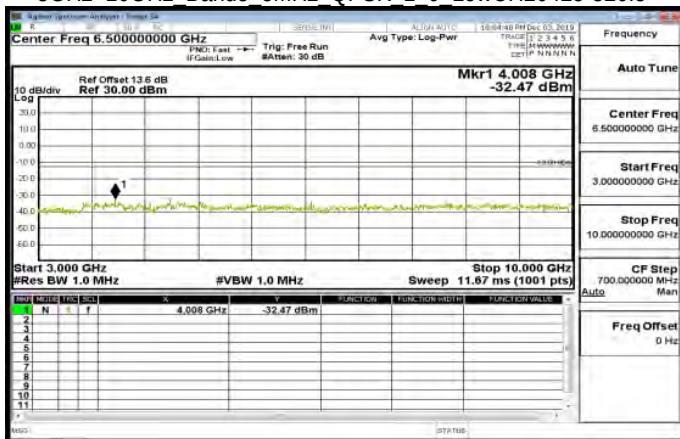
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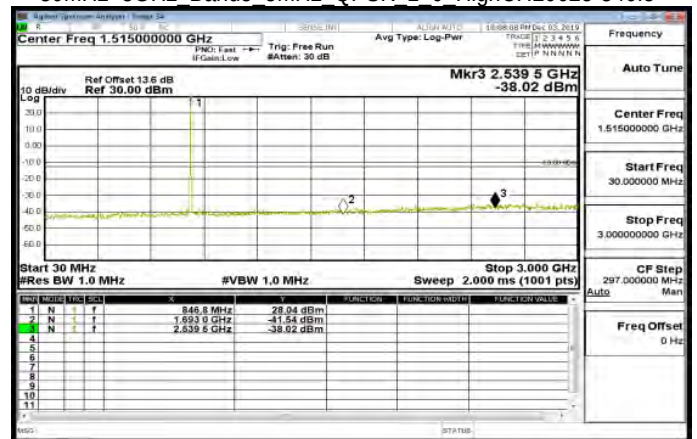
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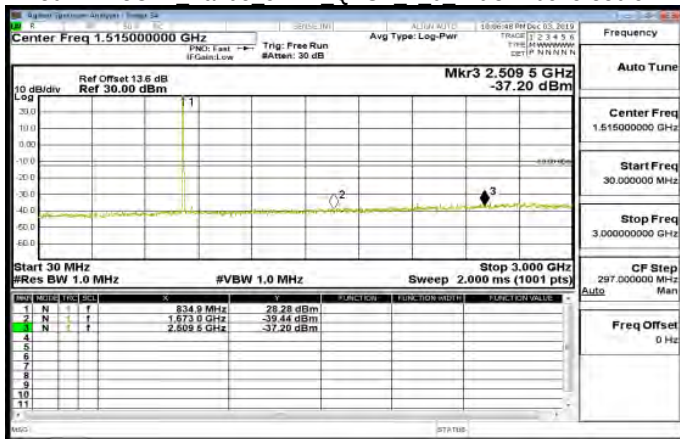
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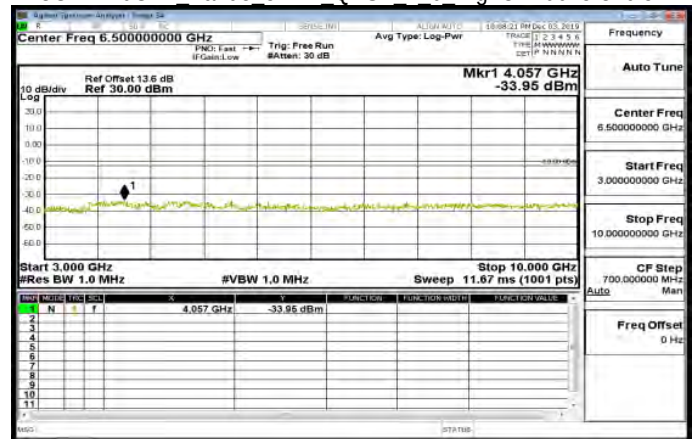
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30MHz~3GHz Band5 5MHz QPSK 1 0 MidCH20525-836.5



3GHz~10GHz Band5 5MHz QPSK 1 0 HighCH20625-846.5



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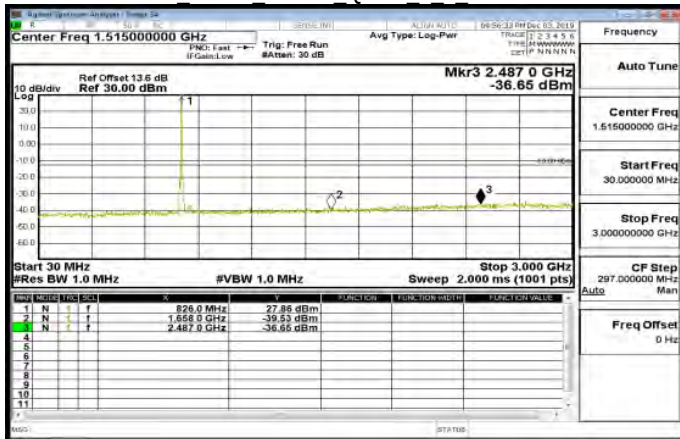
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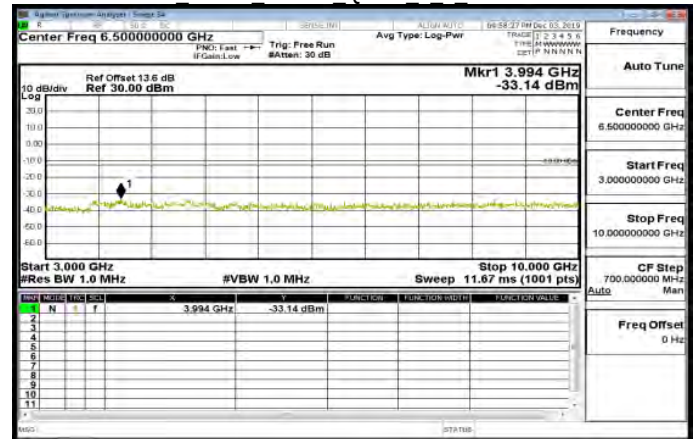
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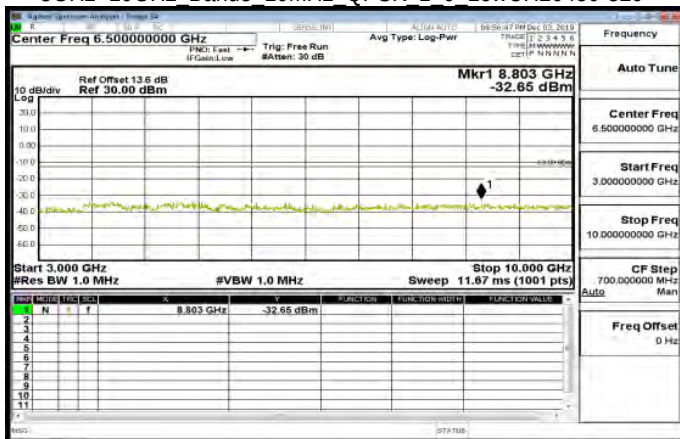
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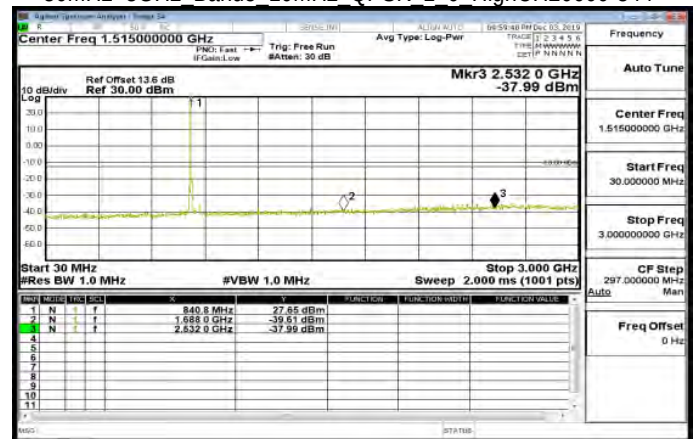
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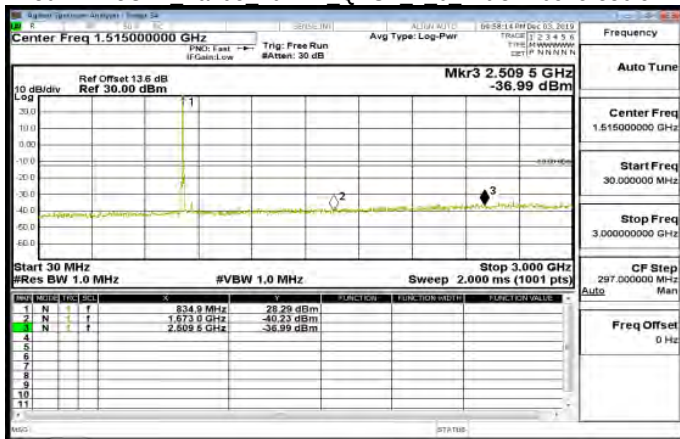
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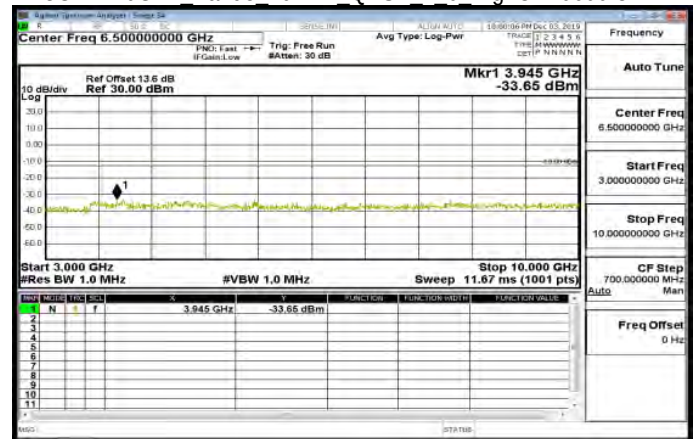
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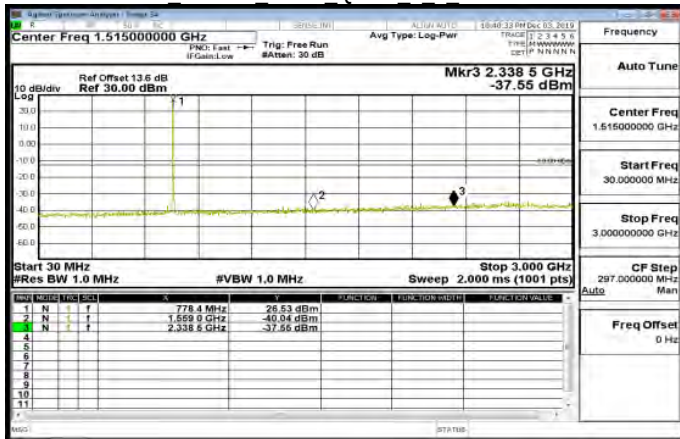
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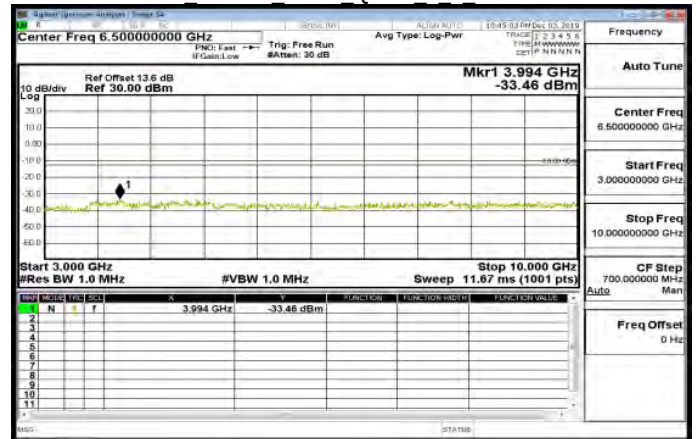
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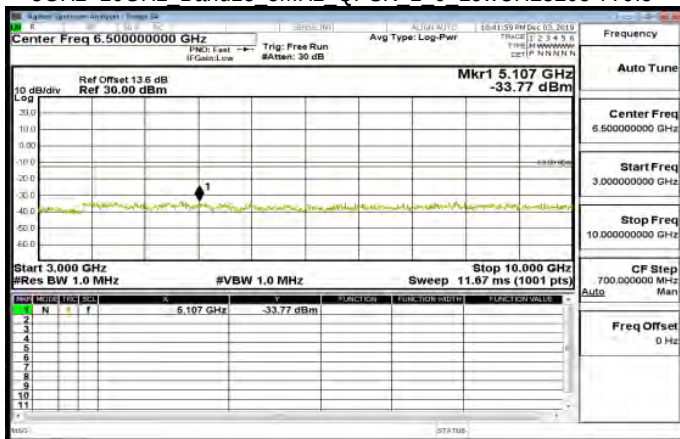
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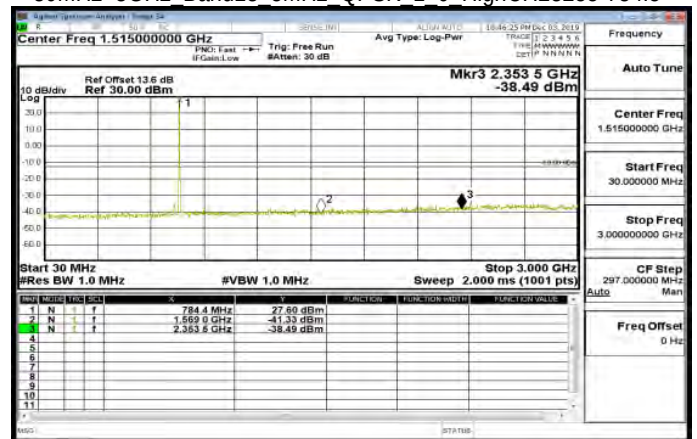
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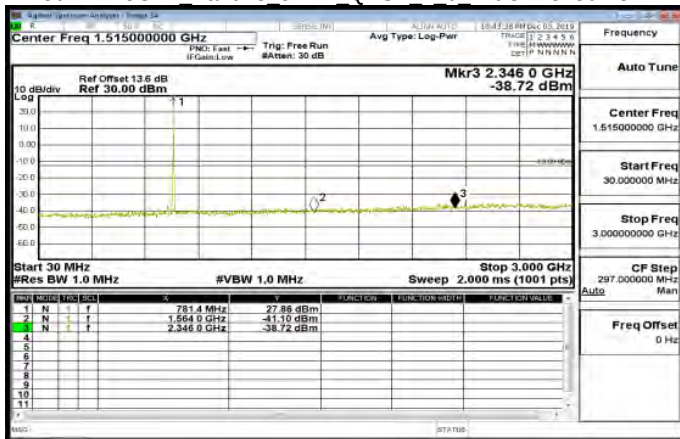
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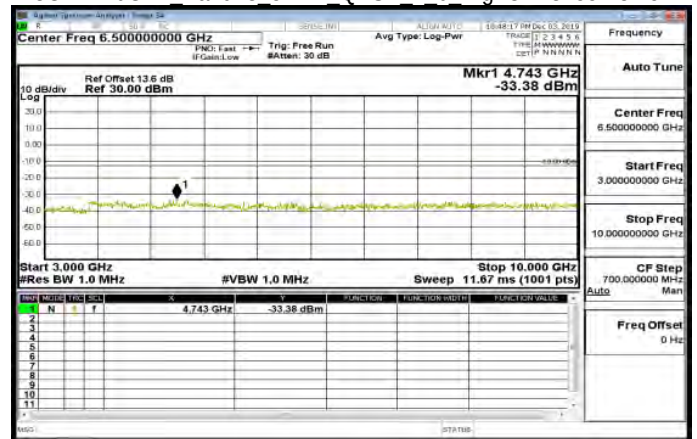
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30MHz~3GHz Band13 5MHz QPSK 1 0 MidCH23230-782



3GHz~10GHz Band13 5MHz QPSK 1 0 HighCH23255-784.5



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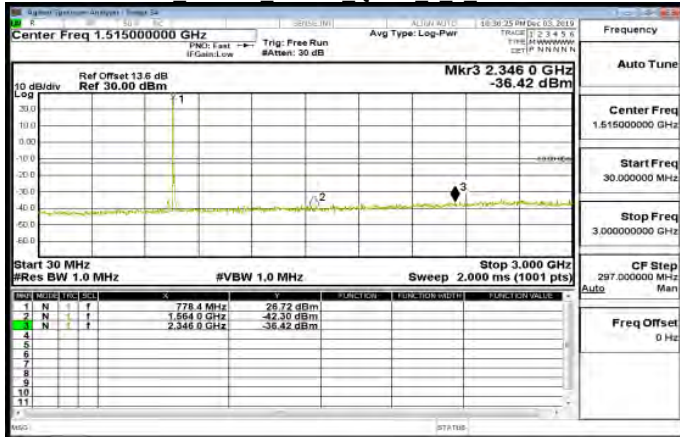
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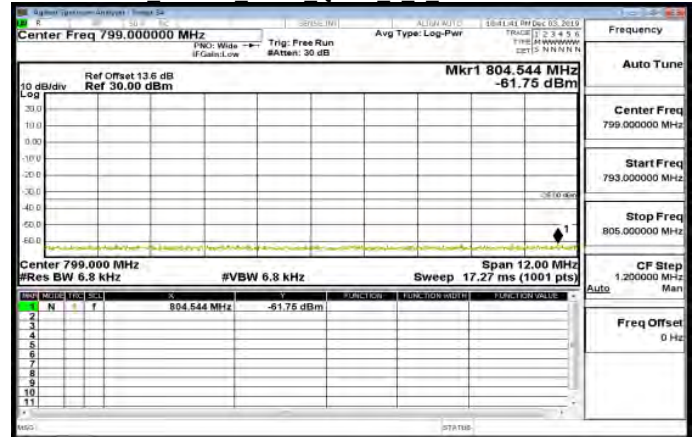
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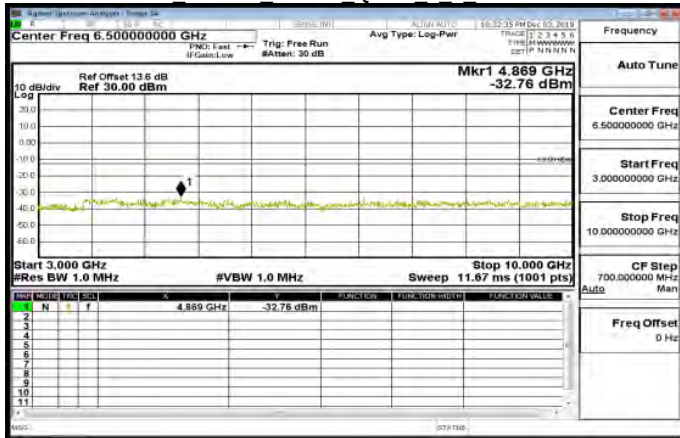
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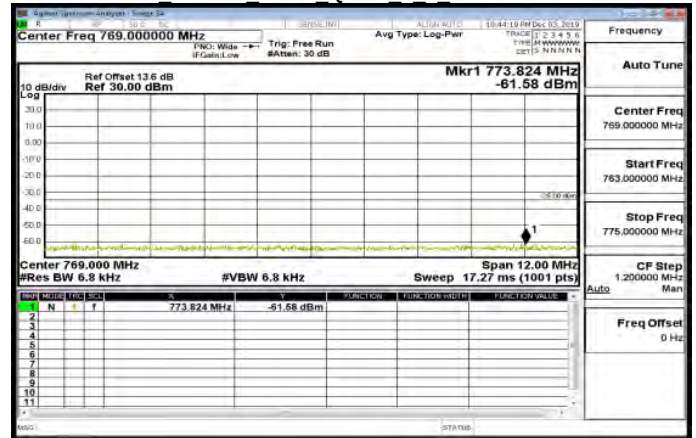
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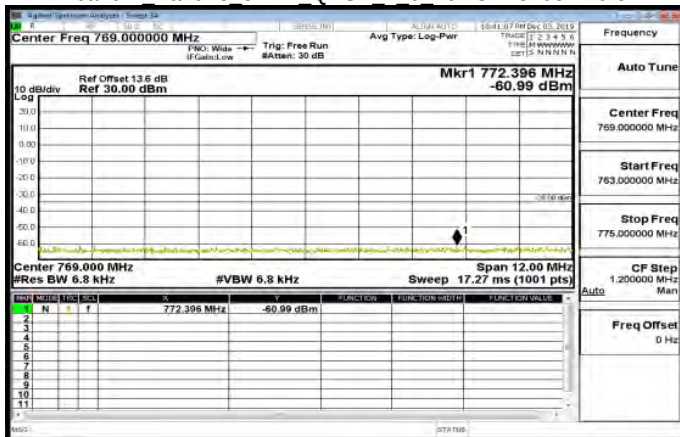
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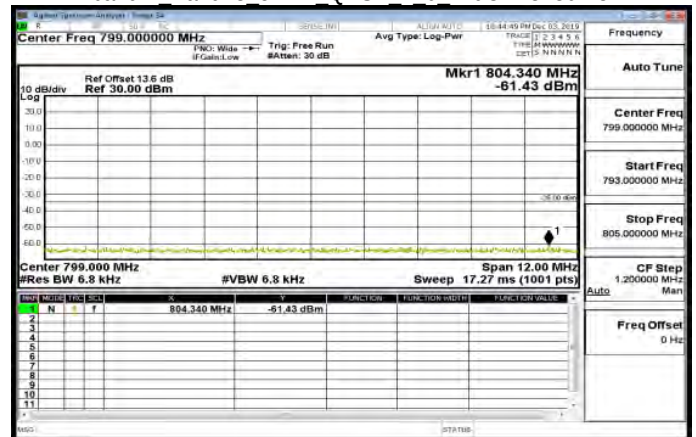
Inband-1 Band13 5MHz QPSK 1 0 MidCH23230-782



Inband-1 Band13 5MHz QPSK 1 0 LowCH23205-779.5



Inband-2 Band13 5MHz QPSK 1 0 MidCH23230-782



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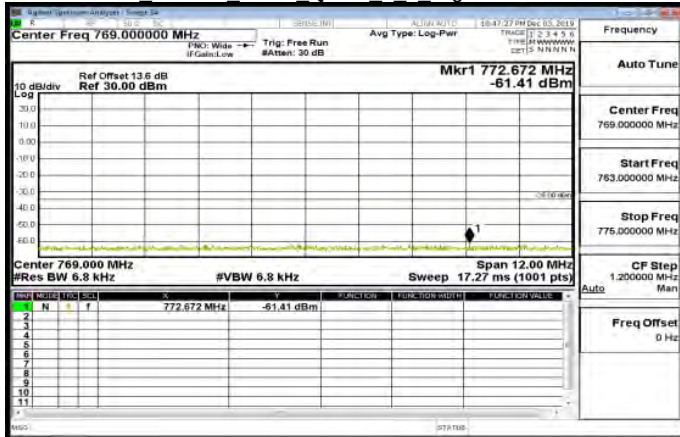
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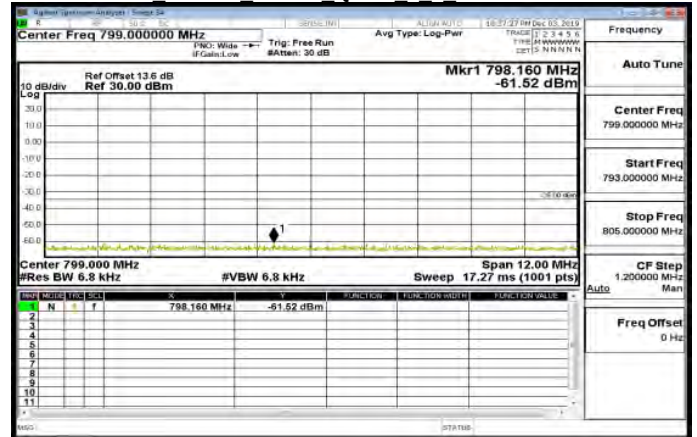
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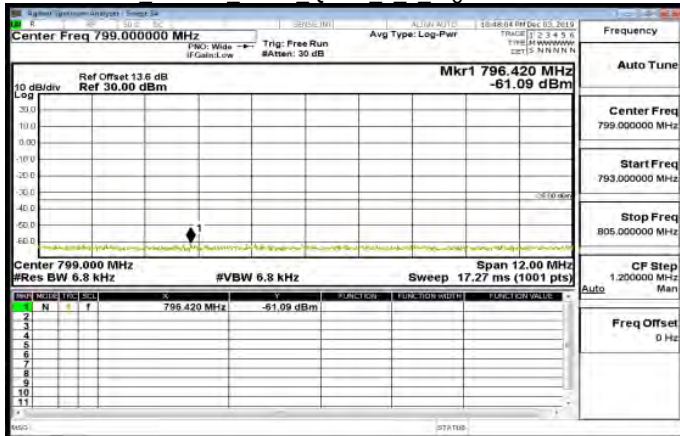
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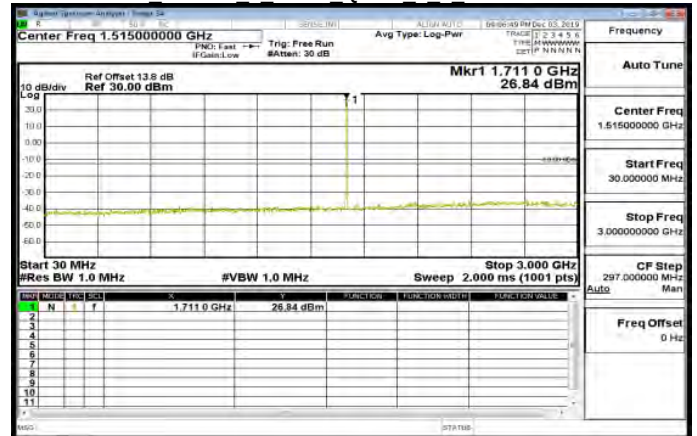
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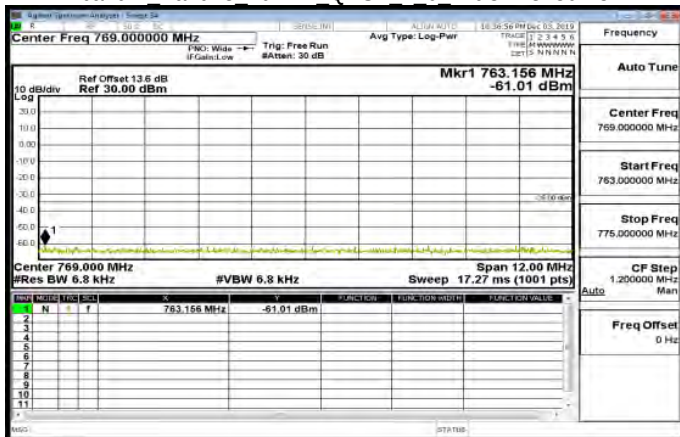
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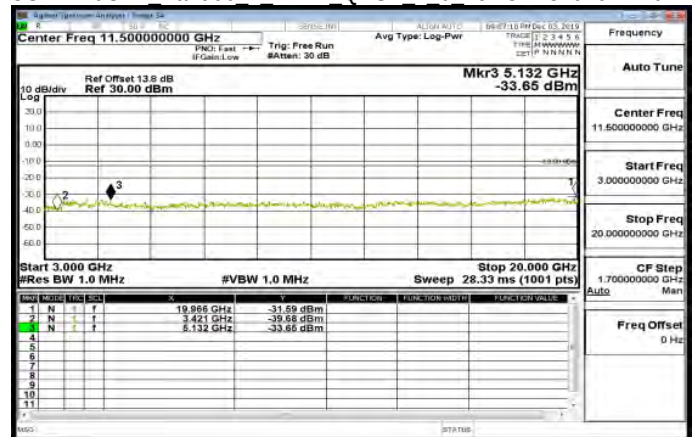
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3GHz~10GHz Band66 1 4MHz QPSK 1 0 LowCH131979-1710.7



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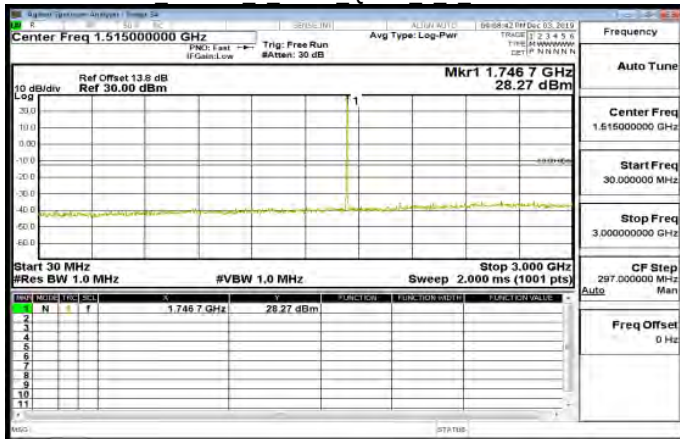
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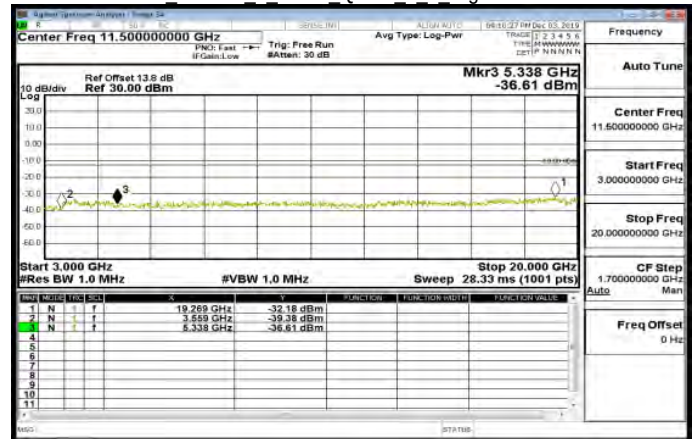
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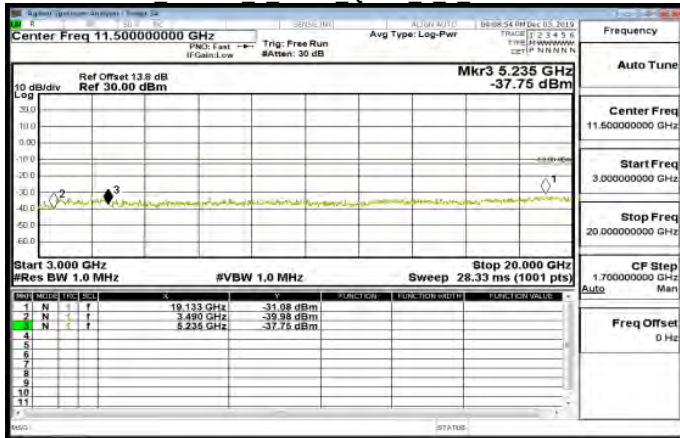
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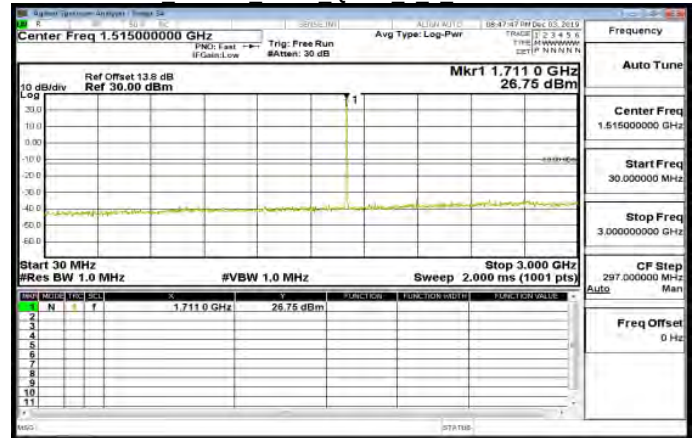
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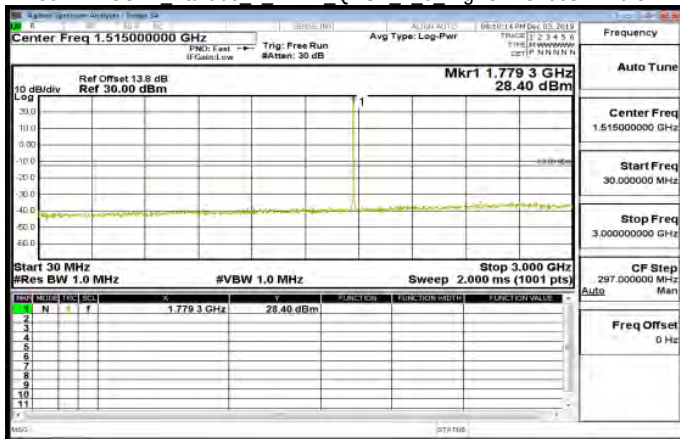
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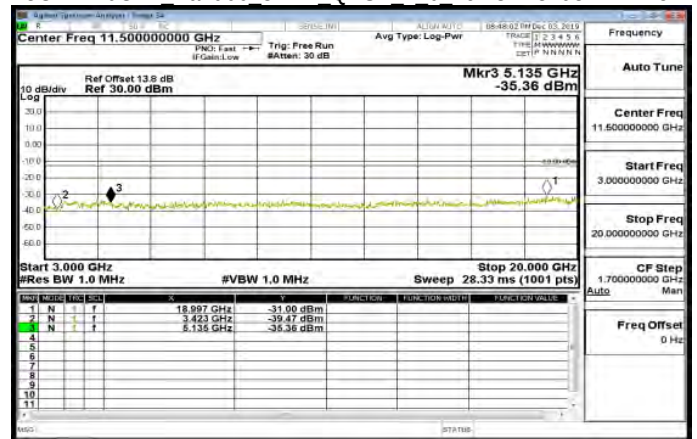
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30MHz~3GHz Band66 1 4MHz QPSK 1 0 HighCH132665-1779.3



3GHz~10GHz Band66 3MHz QPSK 1 0 LowCH131987-1711.5



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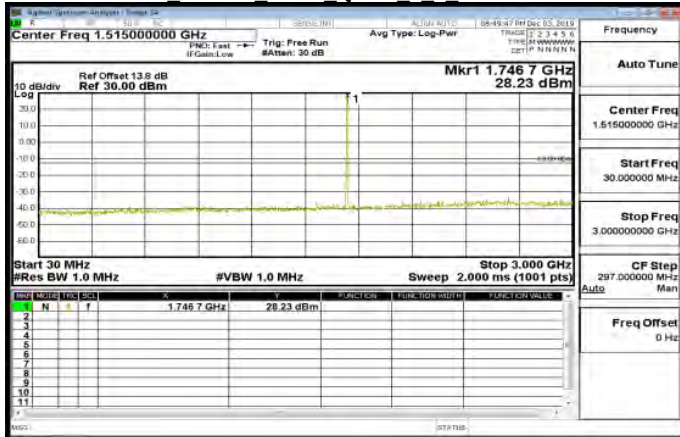
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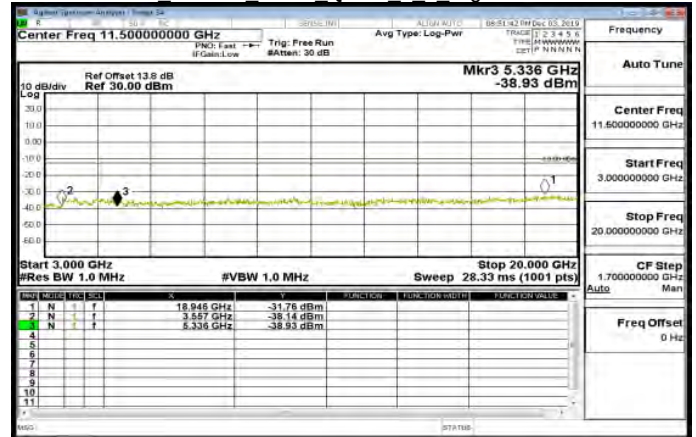
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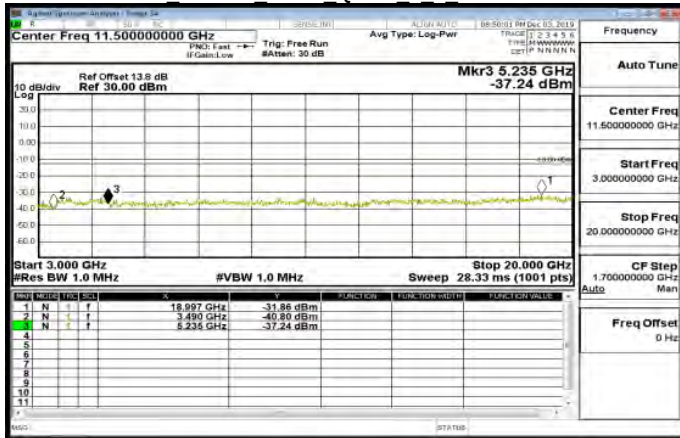
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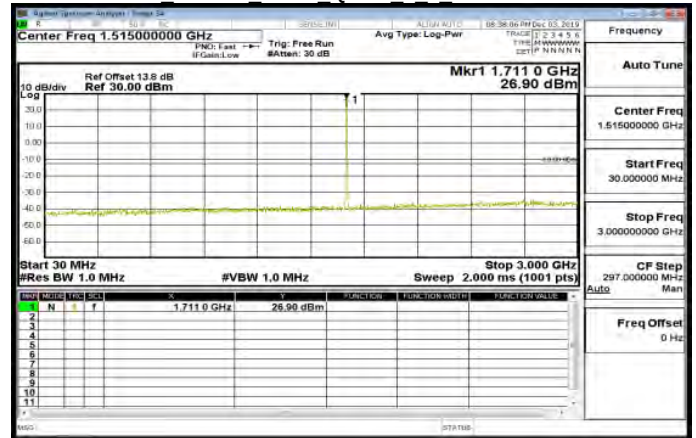
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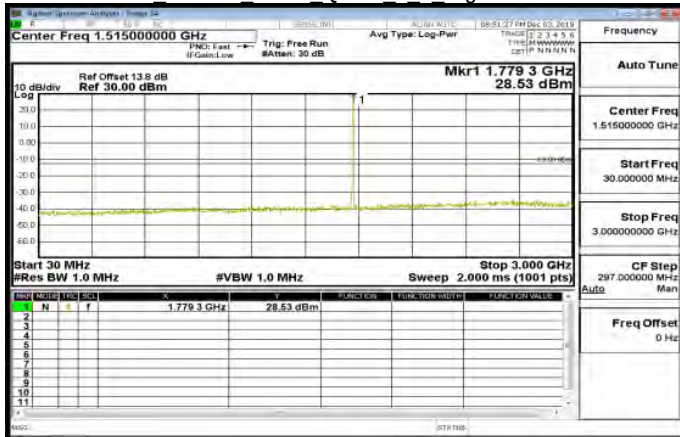
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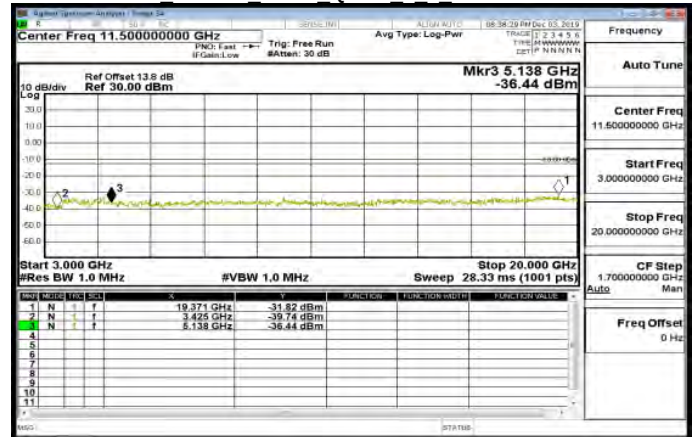
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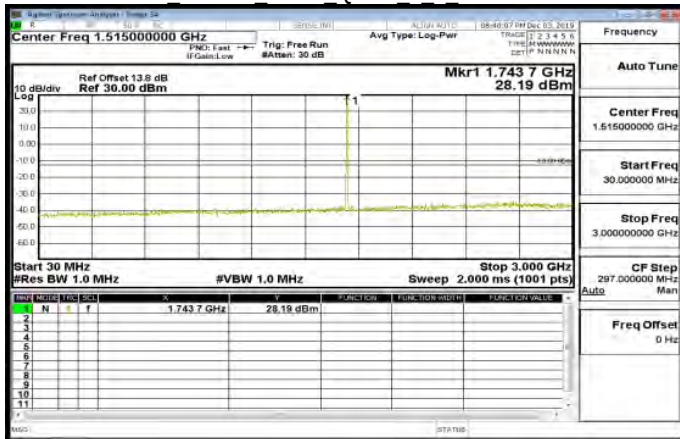
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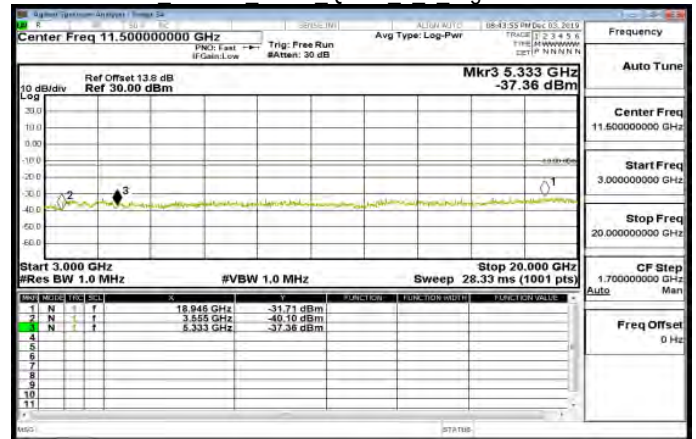
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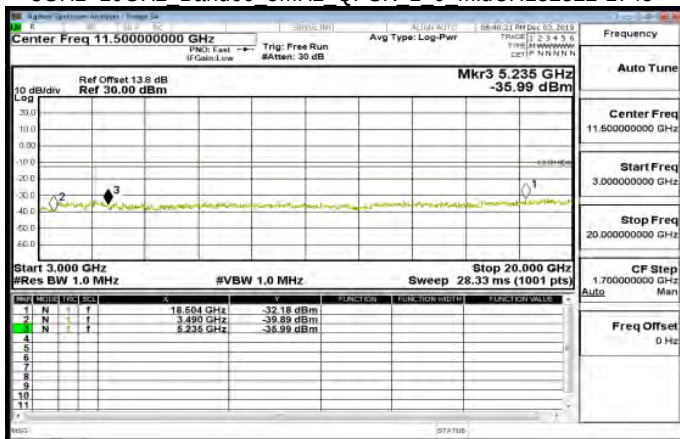
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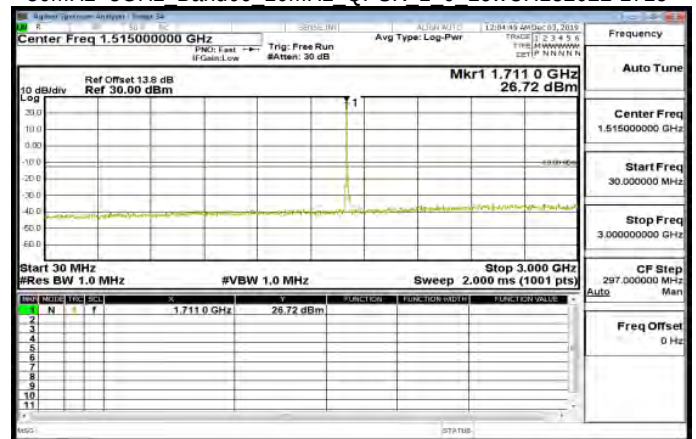
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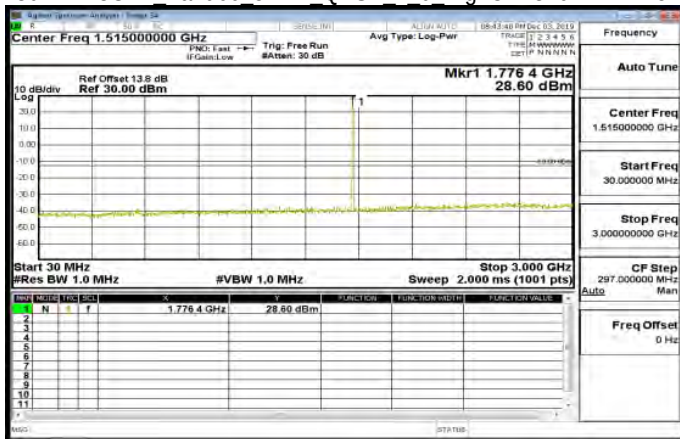
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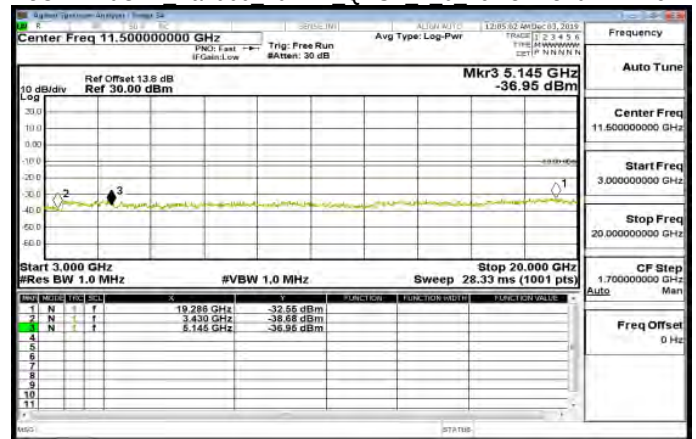
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3GHz~10GHz Band66 10MHz QPSK 1 0 LowCH132022-1715



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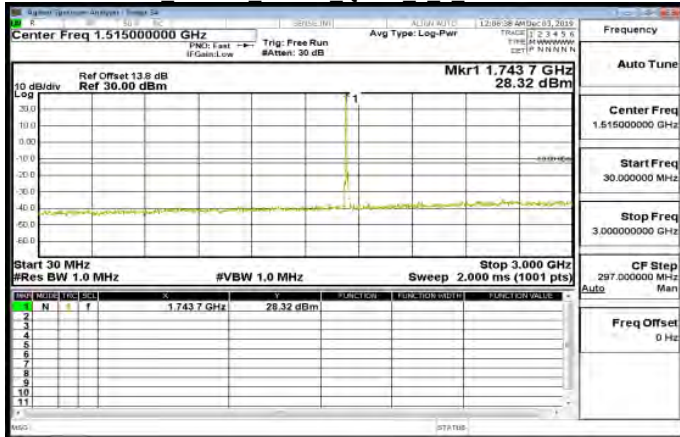
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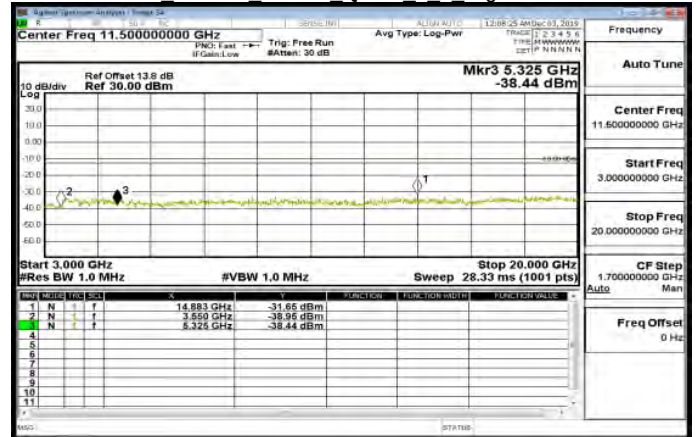
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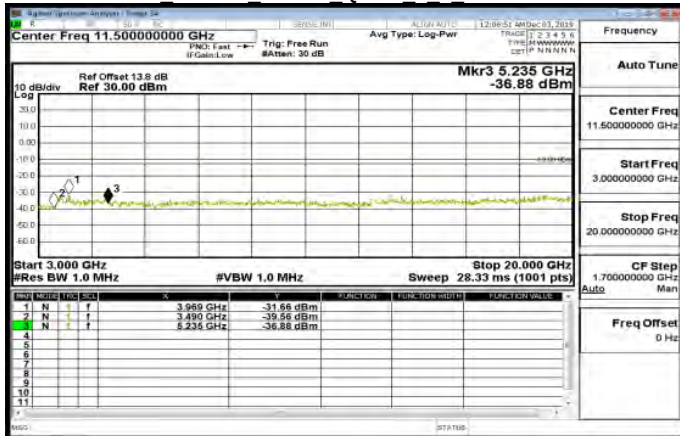
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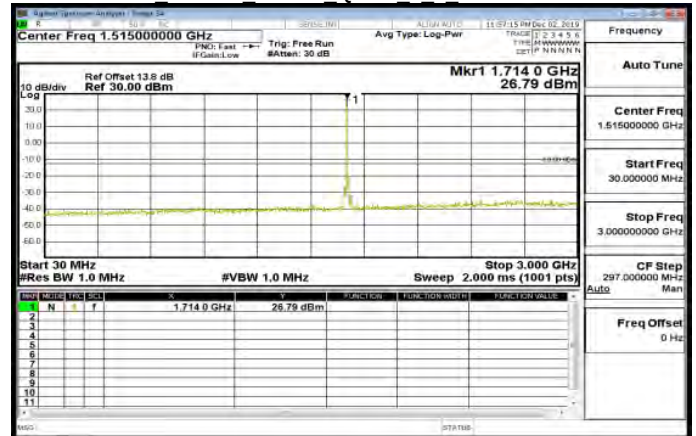
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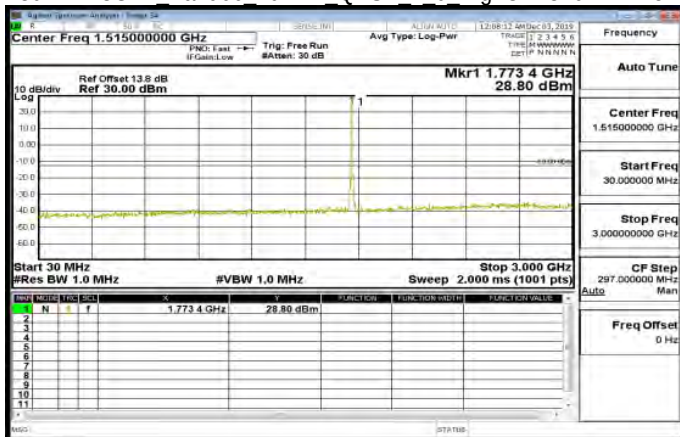
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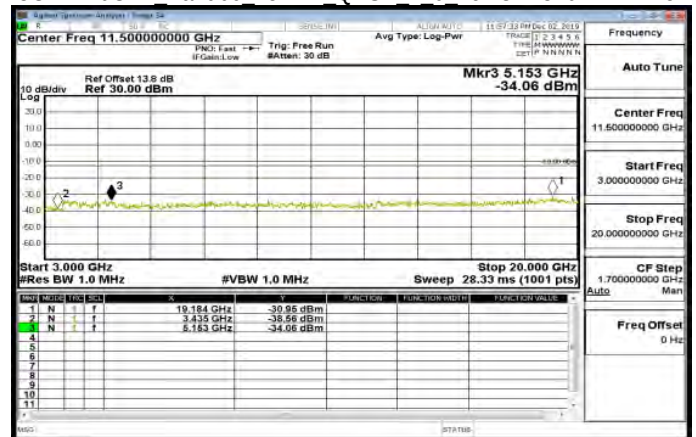
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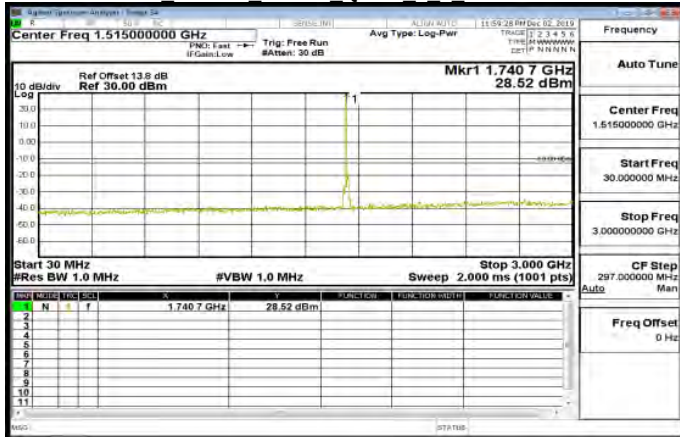
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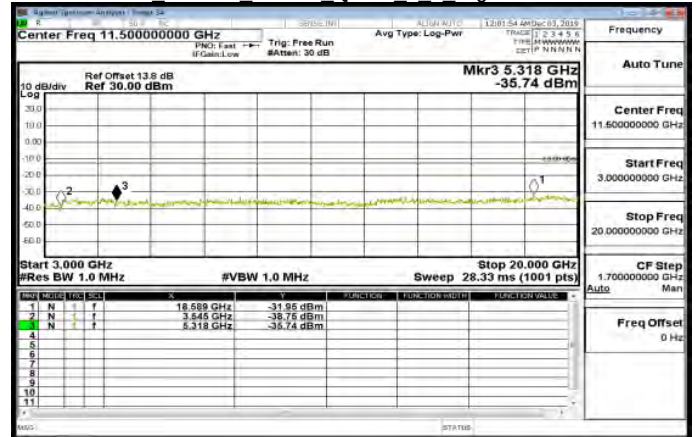
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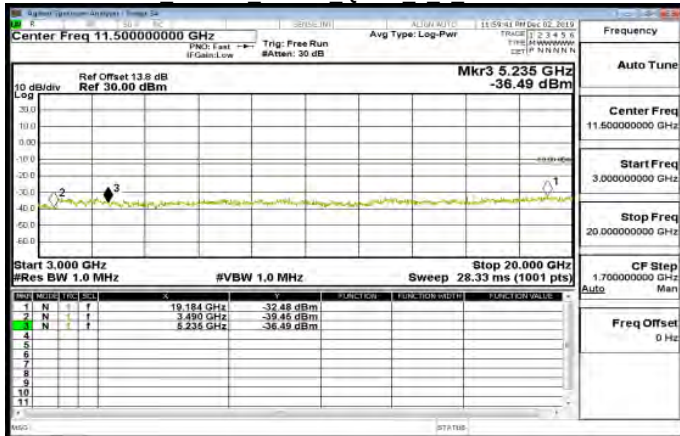
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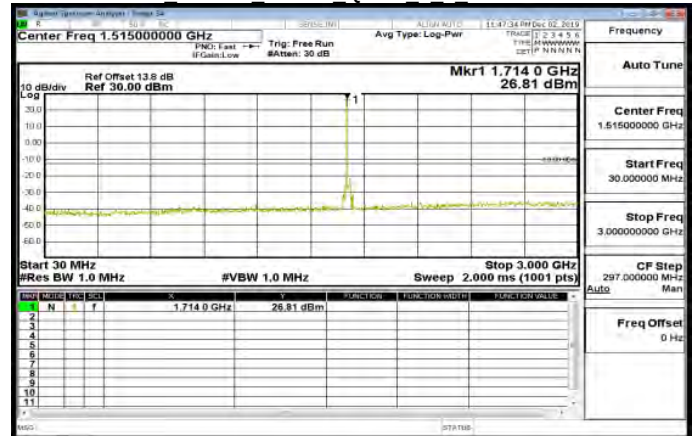
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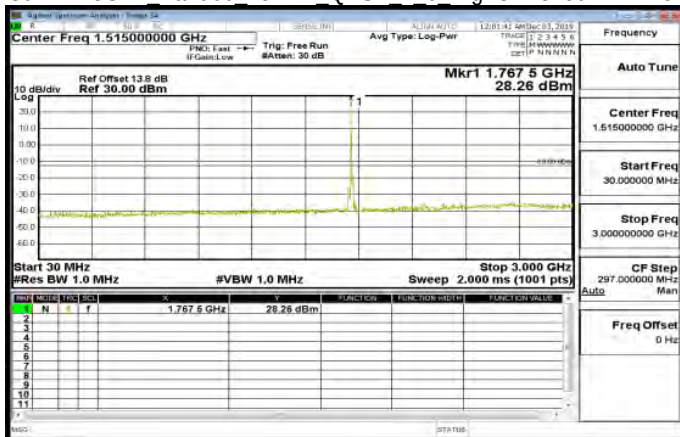
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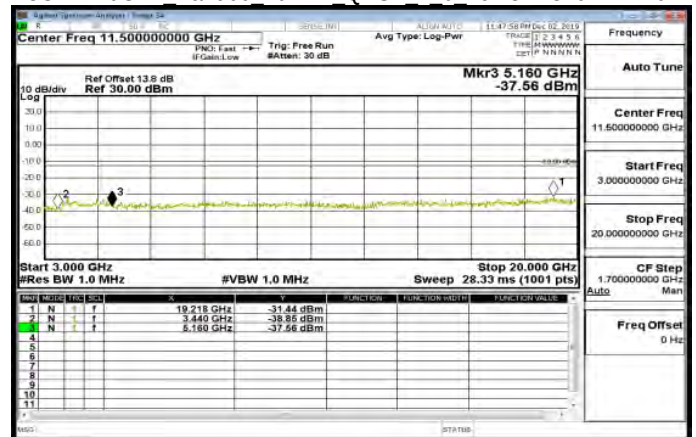
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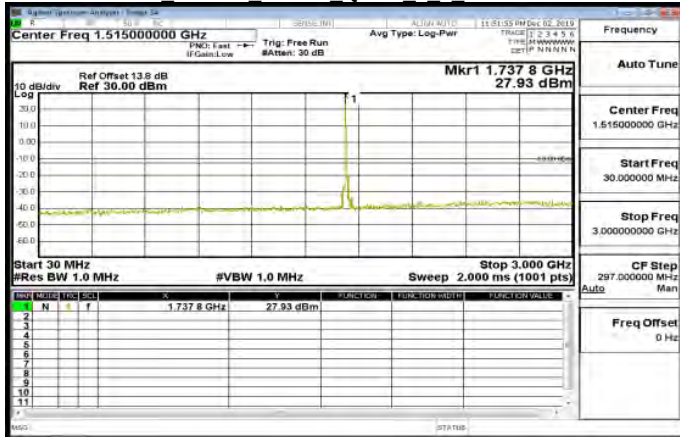
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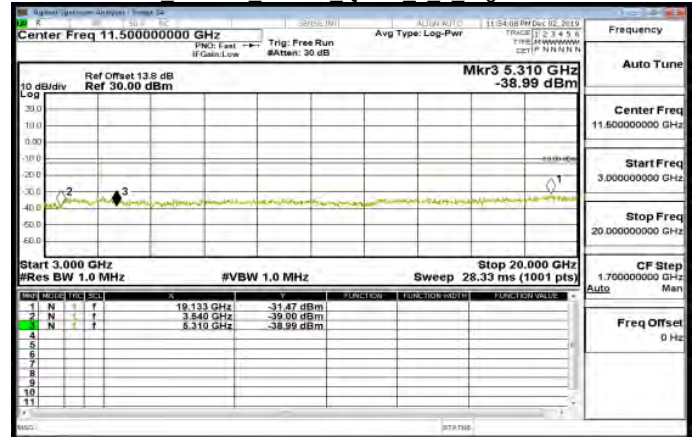
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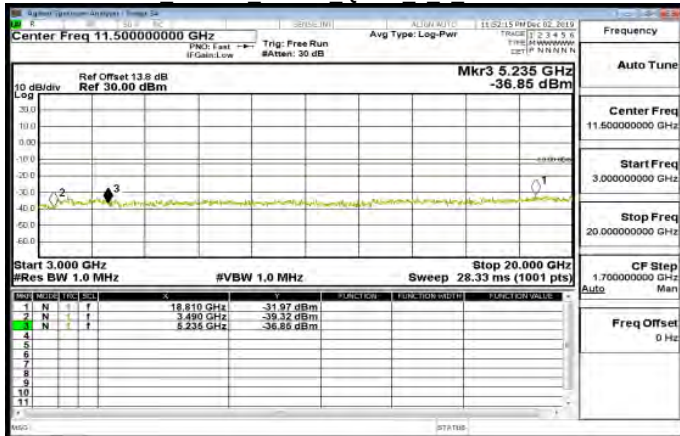
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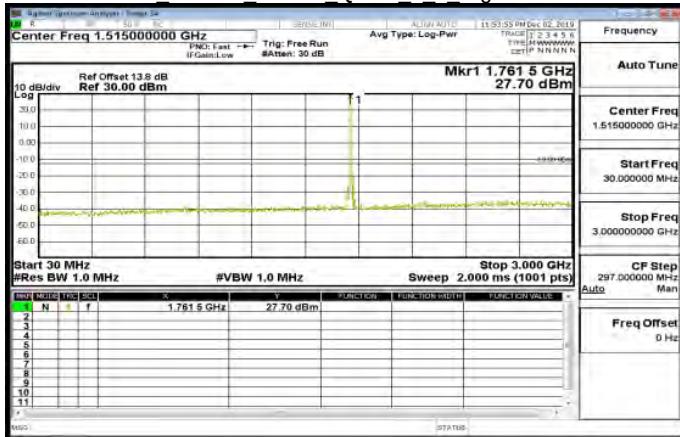
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3GHz~10GHz Band66 20MHz QPSK 1 0 MidCH132322-1745



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9 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h)

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC §27.53(c) for LTE B13

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(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)

FCC §27.53 (f) for LTE B13

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(h)(3) for LTE B4, 66

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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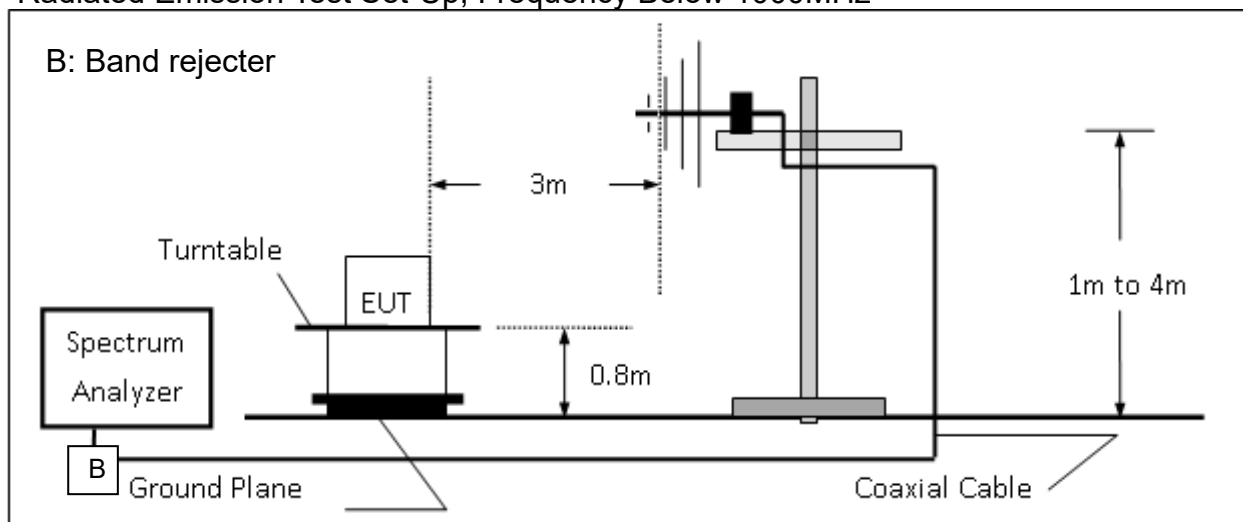
Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber Equipment

Frequency (MHz)	Attenuation (dB)
<2200	$43 + 10 \log_{10}(p)$
2200 - 2288	$70 + 10 \log_{10}(p)$
2288 - 2292	$67 + 10 \log_{10}(p)$
2292 - 2296	$61 + 10 \log_{10}(p)$
2296 - 2300	$55 + 10 \log_{10}(p)$
2300 - 2305	$43 + 10 \log_{10}(p)$
2305 - 2320	$43 + 10 \log_{10}(p)$ ^{Note}
2320 - 2324	$55 + 10 \log_{10}(p)$
2324 - 2328	$61 + 10 \log_{10}(p)$
2328 - 2337	$67 + 10 \log_{10}(p)$
2337 - 2341	$61 + 10 \log_{10}(p)$
2341 - 2345	$55 + 10 \log_{10}(p)$
2345 - 2360	$43 + 10 \log_{10}(p)$ ^{Note}
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 1.2 for the permitted frequency ranges for various equipment types.

9.2 EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



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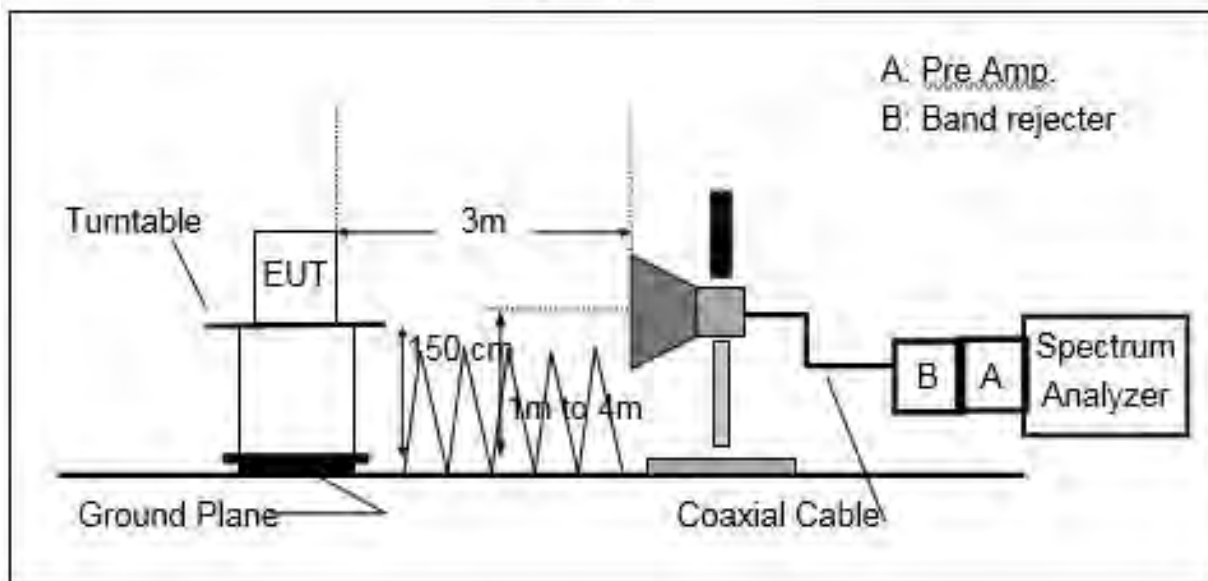
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Radiated Emission Test Set-UP Frequency Over 1 GHz



9.3 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.

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

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

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9.4 Measurement Equipment Used:

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWAZBECK	VULB 9168	9168-617	11/04/2019	11/03/2020
Broadband Antenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/09/2019	01/08/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/10/2020	01/09/2021
Horn Antenna	Schwarzbeck	BBHA9170	185	08/07/2019	08/06/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1341	06/12/2019	06/11/2020
3m Site NSA	SGS	966 chamber D	N/A	07/12/2019	07/11/2020
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	06/10/2019	06/09/2020
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC12630SE	980271	11/20/2019	11/19/2020
Highpass Filter	Micro Tronics	BRM50701-01	G008	11/20/2019	11/19/2020
High Pass Filter	Micro-Tronics	G003	RF99	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0037	RF54	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0038	RF55	11/20/2019	11/19/2020
Lowpass Filter	Woken	EWT-56-0019	RF46	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/20/2019	11/19/2020

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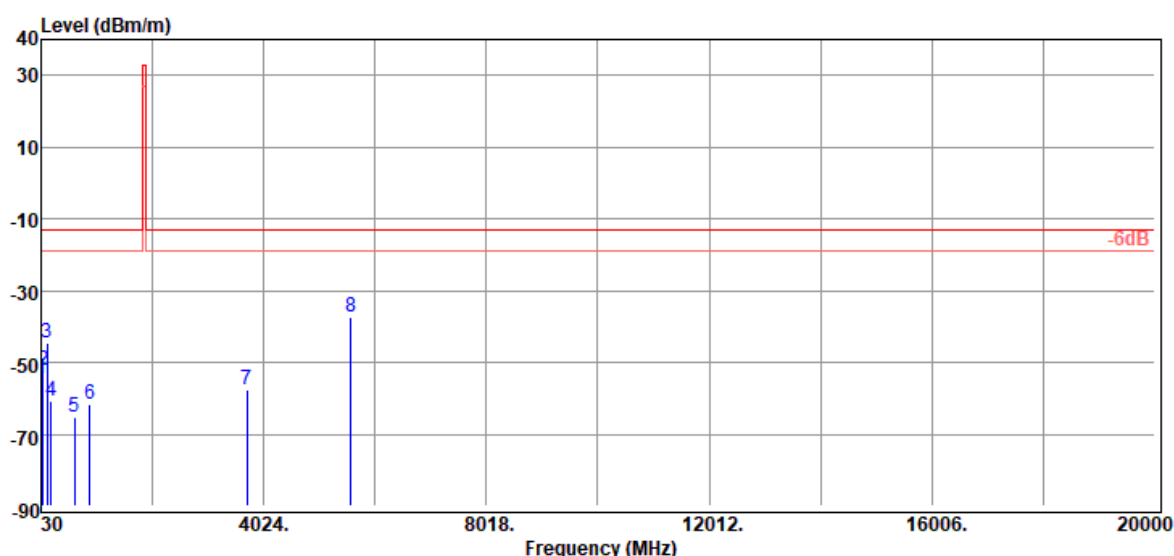
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9.5 Measurement Result:

Internal PIFA Antenna

Radiated Spurious Emission Measurement Result: LTE Band 2 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B2	Temp./Humi.	:22.6/64
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1860 MHz		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-54.69	-40.36	-13.59	-0.74	-13.00	-41.69
68.80	-52.24	-43.95	-7.41	-0.88	-13.00	-39.24
138.64	-44.75	-36.81	-6.40	-1.54	-13.00	-31.75
212.36	-60.71	-58.83	-0.01	-1.87	-13.00	-47.71
624.61	-65.44	-62.50	-0.22	-2.72	-13.00	-52.44
907.85	-61.67	-60.10	1.52	-3.09	-13.00	-48.67
3720.00	-57.80	-63.89	12.14	-6.05	-13.00	-44.80
5580.00	-37.30	-43.68	13.30	-6.92	-13.00	-24.30

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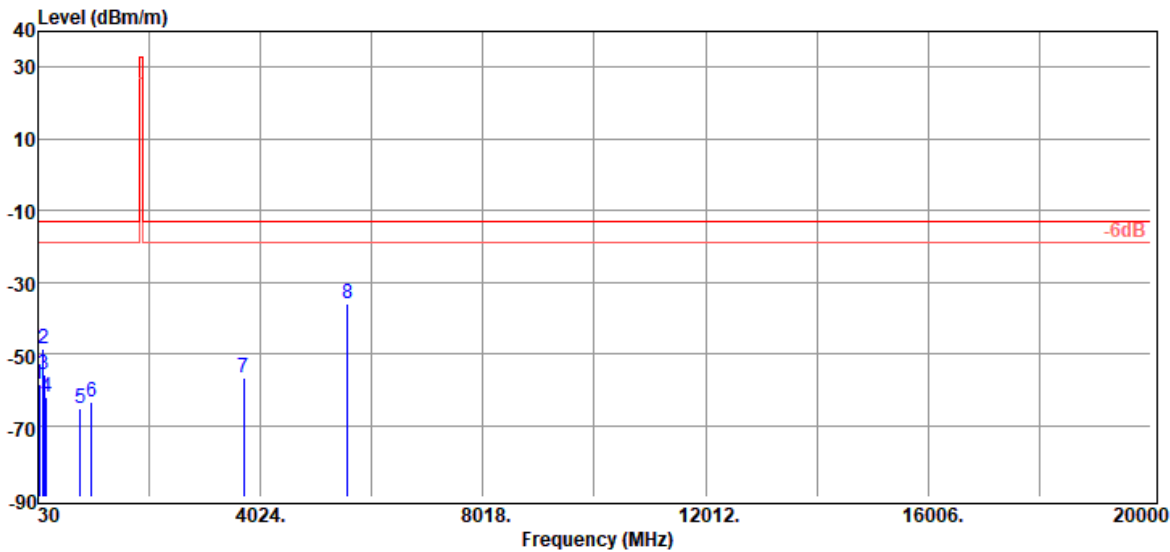
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1860 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.55	-58.56	-39.49	-18.33	-0.74	-13.00	-45.56
121.18	-48.73	-39.57	-7.80	-1.36	-13.00	-35.73
138.64	-55.99	-48.05	-6.40	-1.54	-13.00	-42.99
184.23	-62.07	-59.58	-0.81	-1.68	-13.00	-49.07
788.54	-65.42	-63.23	0.87	-3.06	-13.00	-52.42
990.30	-63.52	-61.68	1.49	-3.33	-13.00	-50.52
3720.00	-56.59	-62.68	12.14	-6.05	-13.00	-43.59
5580.00	-36.08	-42.46	13.30	-6.92	-13.00	-23.08

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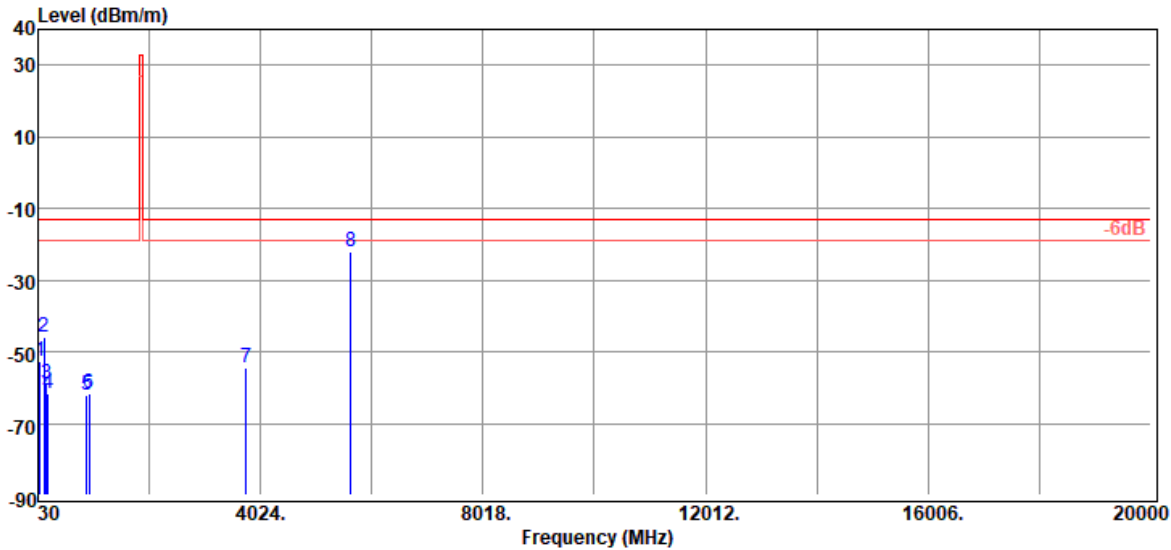
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1880 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-52.61	-44.32	-7.41	-0.88	-13.00	-39.61
139.61	-45.88	-38.06	-6.28	-1.54	-13.00	-32.88
183.26	-58.74	-56.20	-0.88	-1.66	-13.00	-45.74
211.39	-61.55	-59.56	-0.13	-1.86	-13.00	-48.55
905.91	-61.89	-60.31	1.50	-3.08	-13.00	-48.89
949.56	-61.51	-60.19	1.90	-3.22	-13.00	-48.51
3760.00	-54.26	-60.13	12.20	-6.33	-13.00	-41.26
5640.00	-22.27	-28.56	13.46	-7.17	-13.00	-9.27

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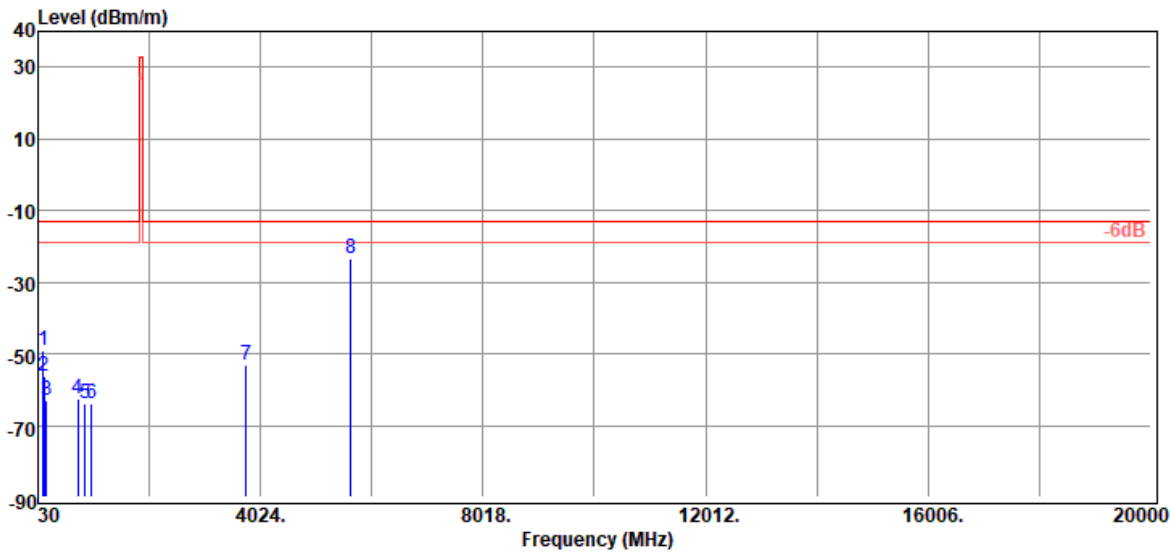
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1880 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
121.18	-49.21	-40.05	-7.80	-1.36	-13.00	-36.21
138.64	-56.24	-48.30	-6.40	-1.54	-13.00	-43.24
183.26	-62.83	-60.29	-0.88	-1.66	-13.00	-49.83
745.86	-62.60	-60.62	0.63	-2.61	-13.00	-49.60
869.05	-63.79	-61.82	1.34	-3.31	-13.00	-50.79
997.09	-63.77	-62.04	1.69	-3.42	-13.00	-50.77
3760.00	-53.24	-59.11	12.20	-6.33	-13.00	-40.24
5640.00	-23.20	-29.49	13.46	-7.17	-13.00	-10.20

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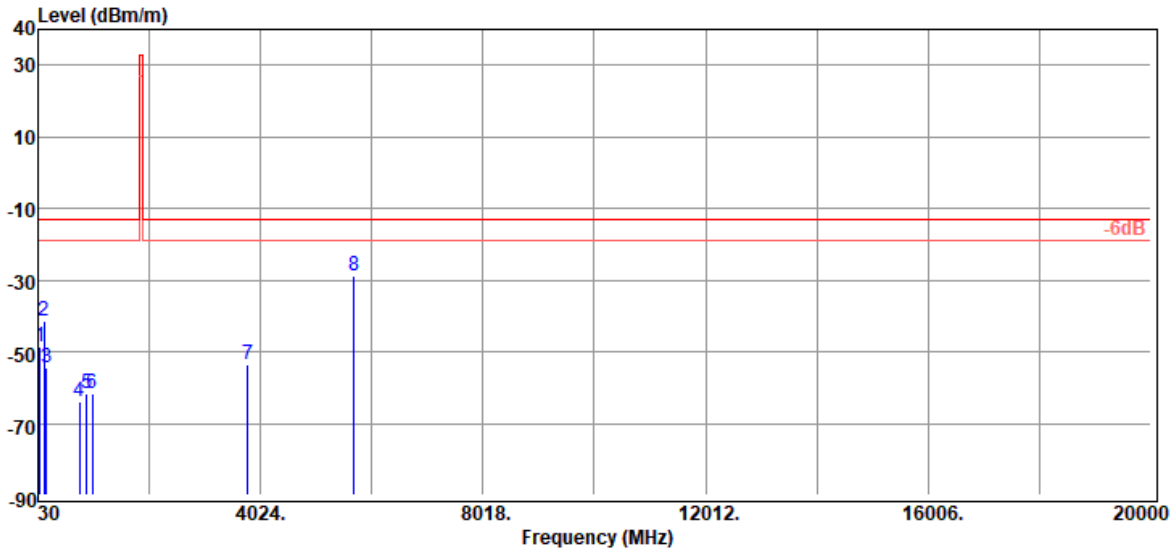
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1900 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.77	-48.42	-40.20	-7.34	-0.88	-13.00	-35.42
136.70	-41.35	-33.15	-6.66	-1.54	-13.00	-28.35
183.26	-54.61	-52.07	-0.88	-1.66	-13.00	-41.61
779.81	-64.02	-61.67	0.70	-3.05	-13.00	-51.02
904.94	-61.84	-60.26	1.49	-3.07	-13.00	-48.84
1000.00	-61.57	-59.77	1.66	-3.46	-13.00	-48.57
3800.00	-53.72	-59.32	12.20	-6.60	-13.00	-40.72
5700.00	-28.69	-34.49	13.30	-7.50	-13.00	-15.69

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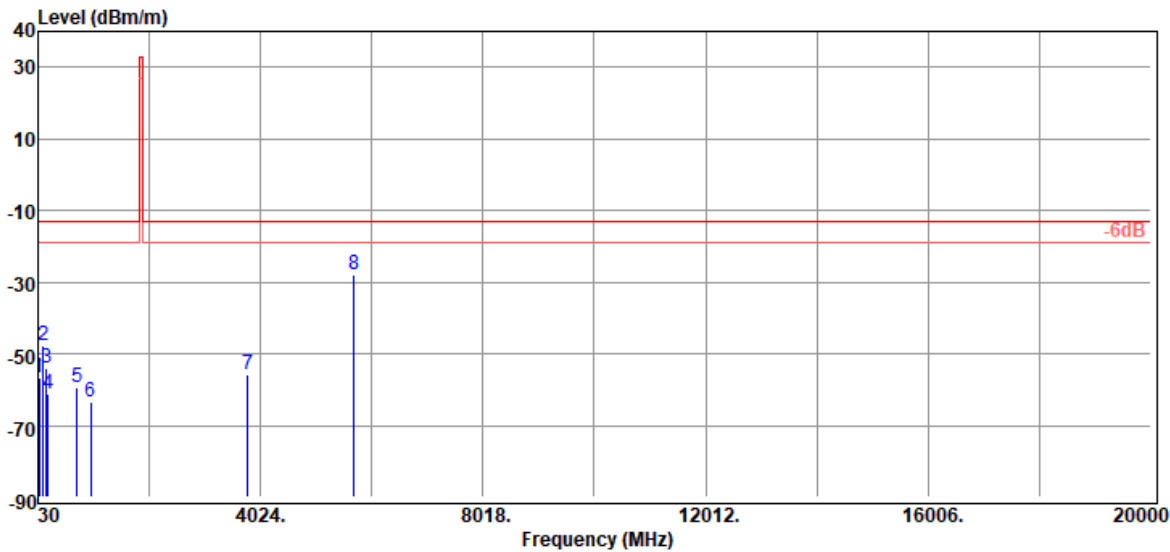
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1900 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
46.49	-56.53	-39.19	-16.60	-0.74	-13.00	-43.53
122.15	-47.59	-38.31	-7.90	-1.38	-13.00	-34.59
183.26	-54.07	-51.53	-0.88	-1.66	-13.00	-41.07
216.24	-61.01	-59.41	0.31	-1.91	-13.00	-48.01
730.34	-59.53	-57.53	0.73	-2.73	-13.00	-46.53
980.60	-63.56	-61.72	1.49	-3.33	-13.00	-50.56
3800.00	-55.85	-61.45	12.20	-6.60	-13.00	-42.85
5700.00	-27.74	-33.54	13.30	-7.50	-13.00	-14.74

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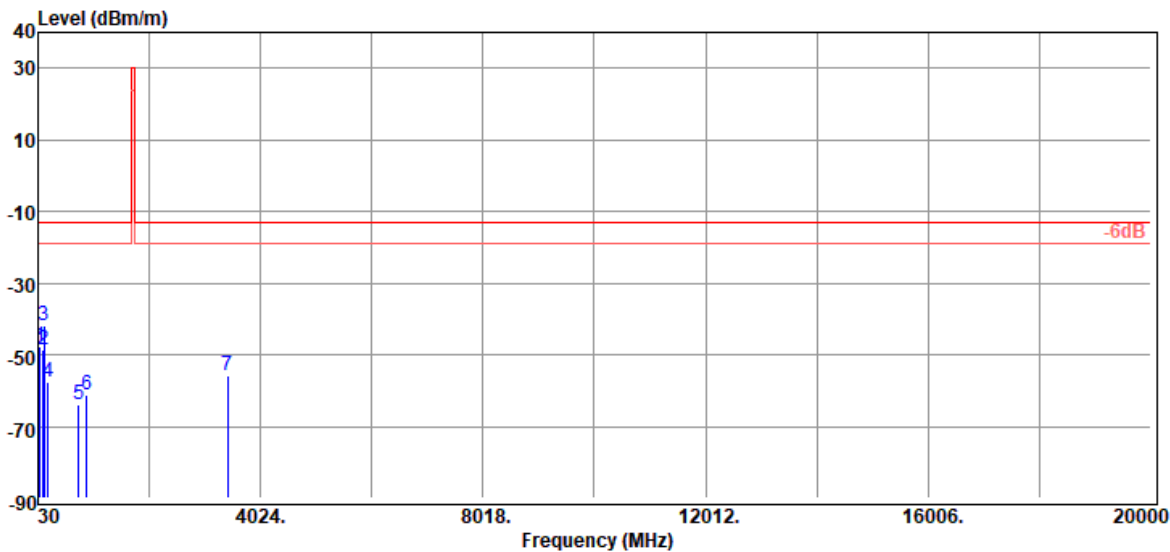
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Radiated Spurious Emission Measurement Result: LTE Band 4 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-31
Operation Mode	:LTE B4	Temp./Humi.	:23.4/54
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1717.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level	Gain	Loss	dBm	dB
		dBm	dBi/dBd	dB		
70.74	-47.79	-39.51	-7.39	-0.89	-13.00	-34.79
117.30	-48.43	-39.14	-7.96	-1.33	-13.00	-35.43
136.70	-41.72	-33.52	-6.66	-1.54	-13.00	-28.72
209.45	-57.76	-55.60	-0.32	-1.84	-13.00	-44.76
757.50	-63.78	-61.86	0.75	-2.67	-13.00	-50.78
903.00	-61.30	-59.72	1.47	-3.05	-13.00	-48.30
3435.00	-55.82	-63.10	12.50	-5.22	-13.00	-42.82

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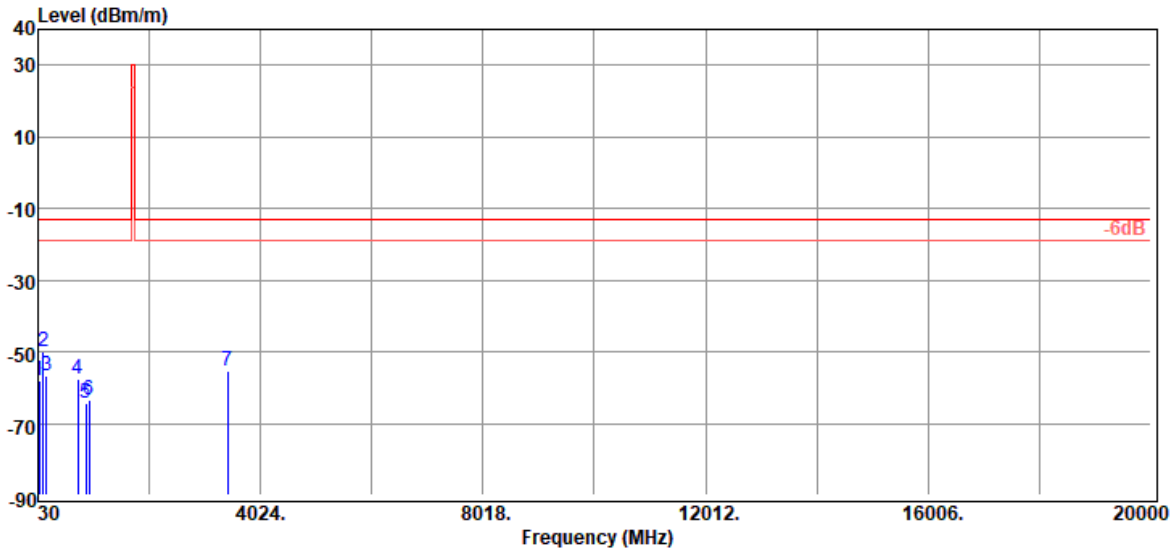
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1717.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.55	-57.87	-38.80	-18.33	-0.74	-13.00	-44.87
122.15	-49.87	-40.59	-7.90	-1.38	-13.00	-36.87
185.20	-56.67	-54.29	-0.69	-1.69	-13.00	-43.67
745.86	-57.75	-55.77	0.63	-2.61	-13.00	-44.75
893.30	-64.37	-62.72	1.38	-3.03	-13.00	-51.37
954.41	-63.30	-61.57	1.69	-3.42	-13.00	-50.30
3435.00	-55.19	-62.47	12.50	-5.22	-13.00	-42.19

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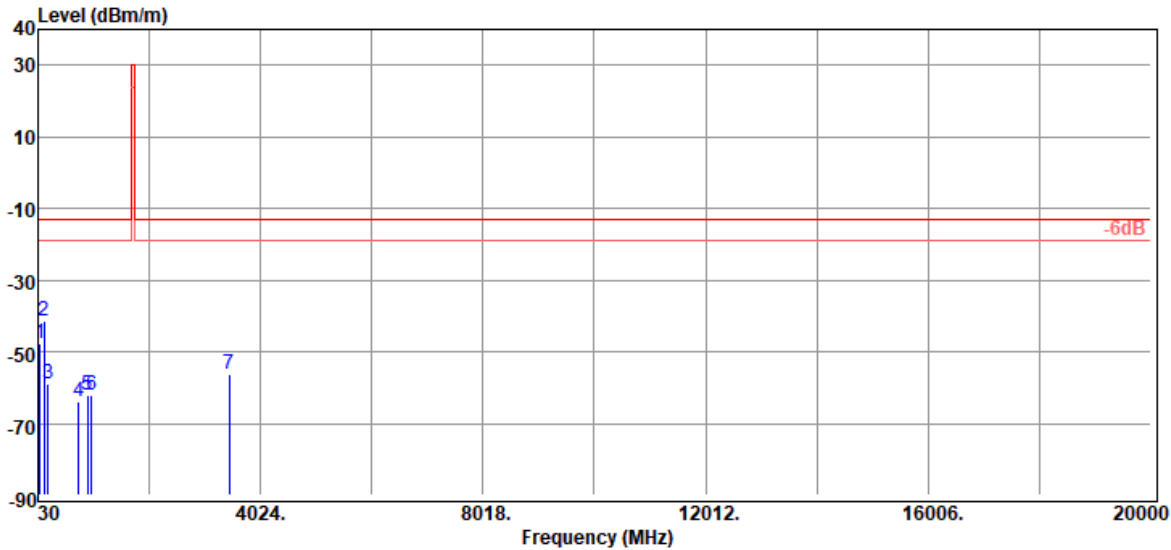
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1732.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-47.57	-39.29	-7.39	-0.89	-13.00	-34.57
133.79	-41.64	-33.09	-7.01	-1.54	-13.00	-28.64
212.36	-58.74	-56.86	-0.01	-1.87	-13.00	-45.74
755.56	-63.85	-61.93	0.73	-2.65	-13.00	-50.85
915.61	-62.24	-60.62	1.60	-3.22	-13.00	-49.24
997.09	-62.06	-60.33	1.69	-3.42	-13.00	-49.06
3465.00	-56.18	-63.32	12.44	-5.30	-13.00	-43.18

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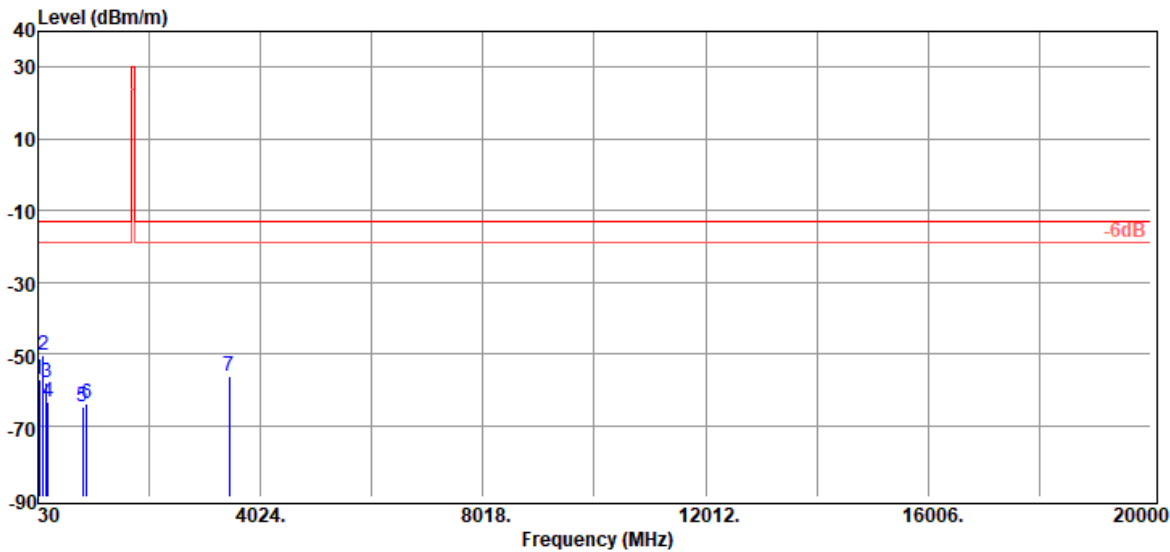
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1732.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-57.31	-40.97	-15.60	-0.74	-13.00	-44.31
120.21	-50.56	-41.31	-7.92	-1.33	-13.00	-37.56
183.26	-58.07	-55.53	-0.88	-1.66	-13.00	-45.07
214.30	-63.38	-61.71	0.22	-1.89	-13.00	-50.38
835.10	-64.67	-62.90	1.19	-2.96	-13.00	-51.67
909.79	-63.86	-62.29	1.54	-3.11	-13.00	-50.86
3465.00	-56.47	-63.61	12.44	-5.30	-13.00	-43.47

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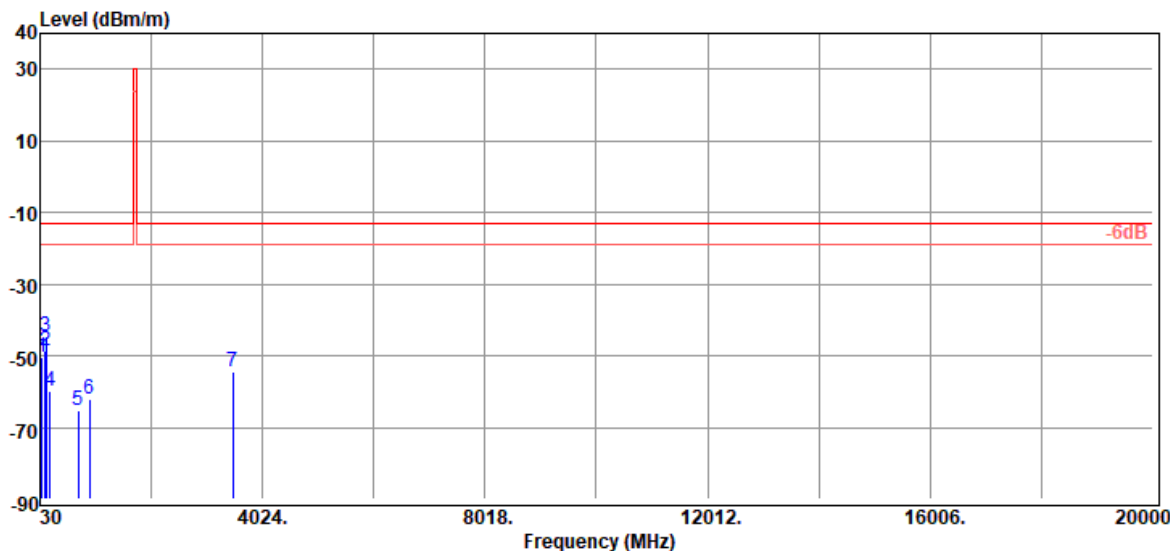
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1747.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-50.40	-42.12	-7.39	-0.89	-13.00	-37.40
121.18	-48.77	-39.61	-7.80	-1.36	-13.00	-35.77
138.64	-44.53	-36.59	-6.40	-1.54	-13.00	-31.53
211.39	-59.88	-57.89	-0.13	-1.86	-13.00	-46.88
710.94	-65.19	-63.75	0.88	-2.32	-13.00	-52.19
920.46	-62.05	-60.38	1.64	-3.31	-13.00	-49.05
3495.00	-54.66	-61.60	12.32	-5.38	-13.00	-41.66

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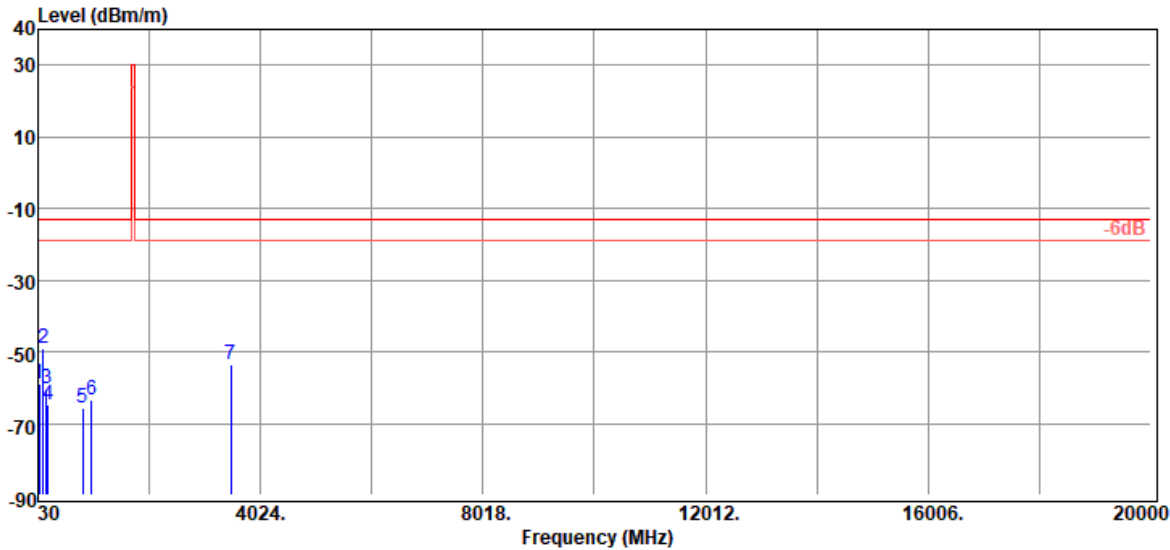
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1747.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.55	-58.99	-39.92	-18.33	-0.74	-13.00	-45.99
121.18	-49.03	-39.87	-7.80	-1.36	-13.00	-36.03
183.26	-60.13	-57.59	-0.88	-1.66	-13.00	-47.13
211.39	-64.60	-62.61	-0.13	-1.86	-13.00	-51.60
828.31	-65.63	-63.93	1.26	-2.96	-13.00	-52.63
997.09	-63.50	-61.77	1.69	-3.42	-13.00	-50.50
3495.00	-53.39	-60.33	12.32	-5.38	-13.00	-40.39

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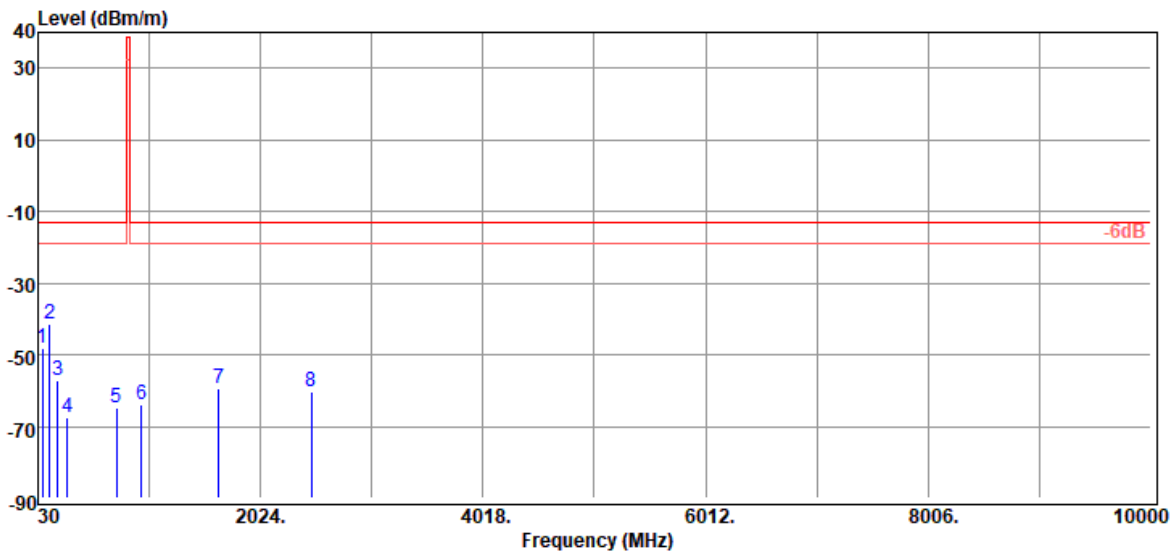
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Radiated Spurious Emission Measurement Result: LTE Band 5 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-31
Operation Mode	:LTE B5	Temp./Humi.	:23.1/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:825.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
70.74	-47.97	-39.69	-7.39	-0.89	-13.00	-34.97
134.76	-41.54	-33.05	-6.95	-1.54	-13.00	-28.54
204.60	-57.23	-54.89	-0.50	-1.84	-13.00	-44.23
294.81	-67.39	-64.18	-0.94	-2.27	-13.00	-54.39
733.25	-64.73	-62.74	0.70	-2.69	-13.00	-51.73
956.35	-63.96	-62.10	1.65	-3.51	-13.00	-50.96
1651.00	-59.43	-65.37	9.40	-3.46	-13.00	-46.43
2476.50	-60.40	-67.04	10.56	-3.92	-13.00	-47.40

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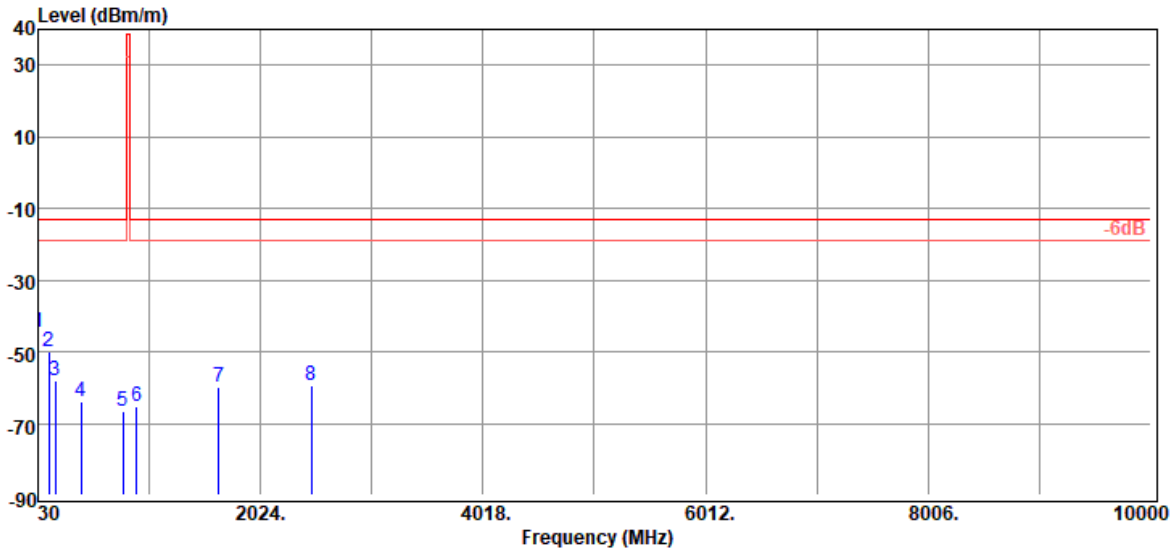
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :825.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-44.67	-14.85	-29.28	-0.54	-13.00	-31.67
124.09	-49.87	-40.69	-7.76	-1.42	-13.00	-36.87
183.26	-58.02	-55.48	-0.88	-1.66	-13.00	-45.02
413.15	-63.86	-59.77	-1.14	-2.95	-13.00	-50.86
788.54	-66.80	-64.61	0.87	-3.06	-13.00	-53.80
910.76	-65.18	-63.60	1.55	-3.13	-13.00	-52.18
1651.00	-59.80	-65.74	9.40	-3.46	-13.00	-46.80
2476.50	-59.55	-66.19	10.56	-3.92	-13.00	-46.55

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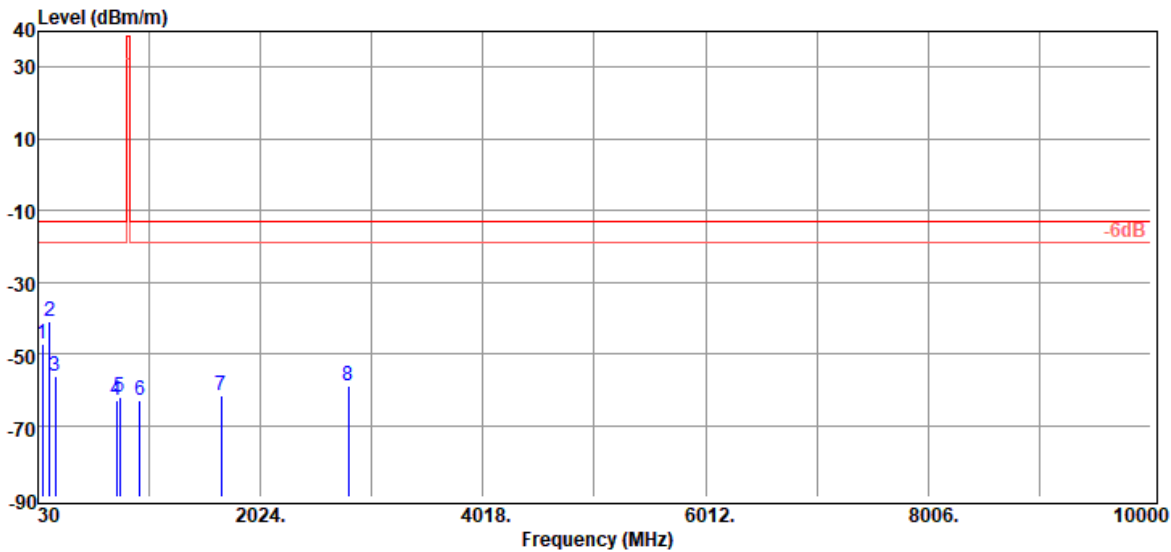
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :836.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-47.17	-38.89	-7.39	-0.89	-13.00	-34.17
134.76	-40.98	-32.49	-6.95	-1.54	-13.00	-27.98
188.11	-56.16	-53.88	-0.55	-1.73	-13.00	-43.16
733.25	-62.96	-60.97	0.70	-2.69	-13.00	-49.96
765.26	-62.18	-60.32	0.83	-2.69	-13.00	-49.18
943.74	-63.16	-61.75	1.81	-3.22	-13.00	-50.16
1673.00	-61.66	-67.66	9.49	-3.49	-13.00	-48.66
2809.50	-58.75	-65.26	10.90	-4.39	-13.00	-45.75

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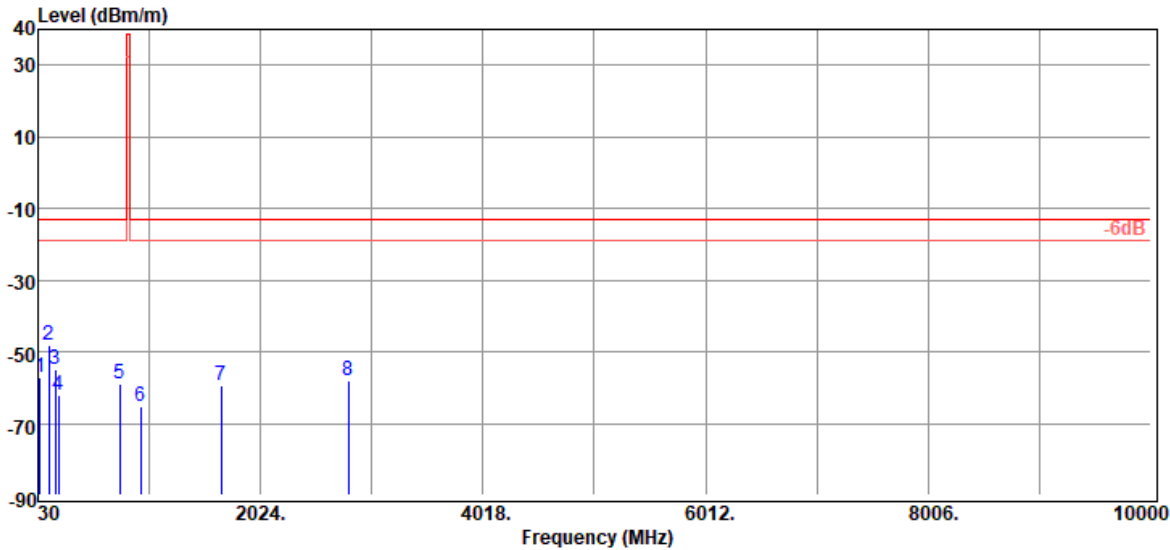
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :836.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-57.10	-40.76	-15.60	-0.74	-13.00	-44.10
124.09	-48.21	-39.03	-7.76	-1.42	-13.00	-35.21
185.20	-55.11	-52.73	-0.69	-1.69	-13.00	-42.11
216.24	-62.24	-60.64	0.31	-1.91	-13.00	-49.24
765.26	-59.12	-57.26	0.83	-2.69	-13.00	-46.12
946.65	-65.48	-64.08	1.82	-3.22	-13.00	-52.48
1673.00	-59.21	-65.21	9.49	-3.49	-13.00	-46.21
2809.50	-58.21	-64.72	10.90	-4.39	-13.00	-45.21

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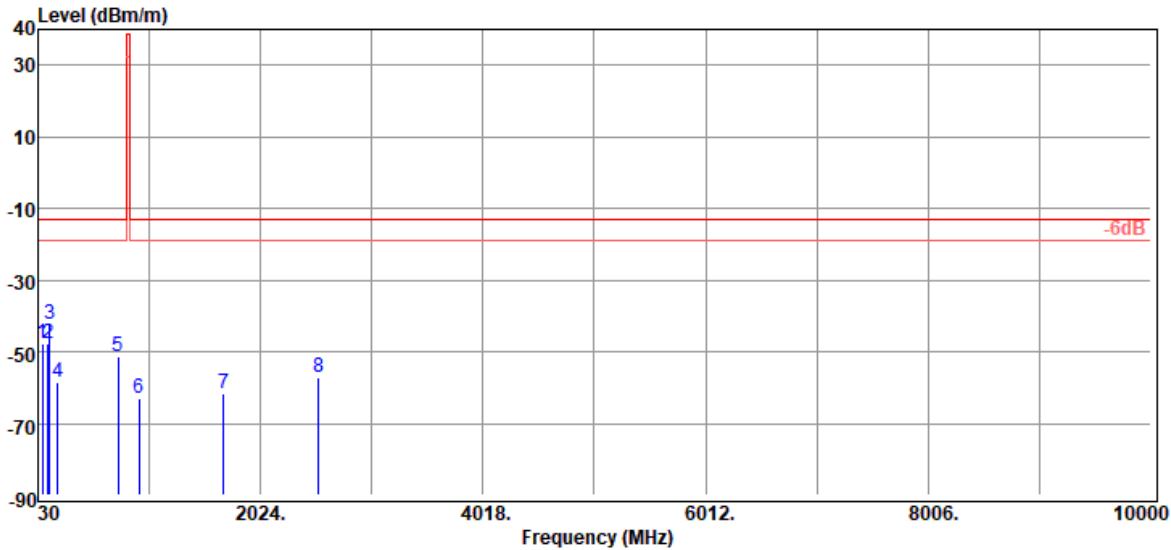
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :847.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-47.79	-39.51	-7.39	-0.89	-13.00	-34.79
117.30	-47.86	-38.57	-7.96	-1.33	-13.00	-34.86
133.79	-42.53	-33.98	-7.01	-1.54	-13.00	-29.53
207.51	-58.68	-56.44	-0.40	-1.84	-13.00	-45.68
744.89	-51.45	-49.44	0.60	-2.61	-13.00	-38.45
938.89	-63.23	-61.89	1.89	-3.23	-13.00	-50.23
1695.00	-61.66	-67.72	9.58	-3.52	-13.00	-48.66
2542.50	-57.08	-64.27	10.95	-3.76	-13.00	-44.08

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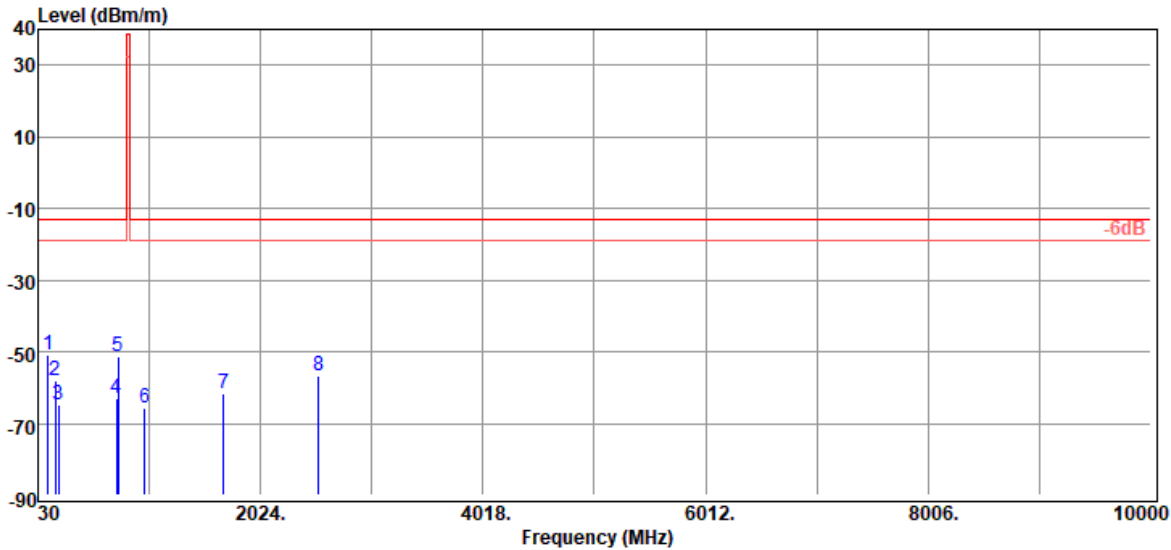
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :847.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.4/54
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
122.15	-51.07	-41.79	-7.90	-1.38	-13.00	-38.07
185.20	-57.86	-55.48	-0.69	-1.69	-13.00	-44.86
217.21	-64.61	-63.00	0.31	-1.92	-13.00	-51.61
730.34	-63.01	-61.01	0.73	-2.73	-13.00	-50.01
745.86	-51.28	-49.30	0.63	-2.61	-13.00	-38.28
984.48	-65.91	-64.10	1.52	-3.33	-13.00	-52.91
1695.00	-61.67	-67.73	9.58	-3.52	-13.00	-48.67
2542.50	-56.72	-63.91	10.95	-3.76	-13.00	-43.72

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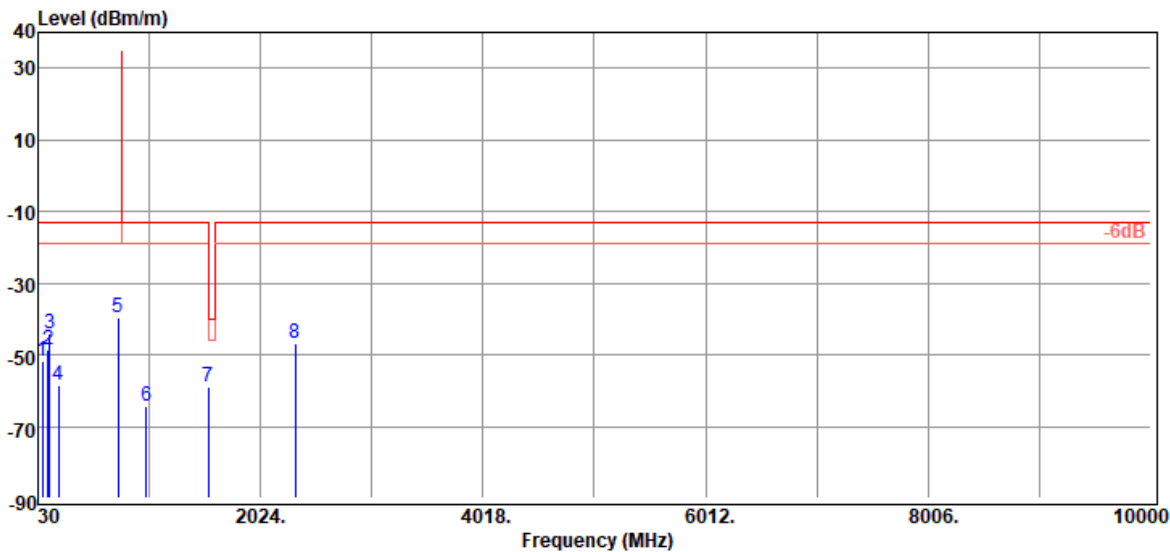
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Radiated Spurious Emission Measurement Result: LTE Band 13 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-31
Operation Mode	:LTE B13	Temp./Humi.	:23.1/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
69.77	-51.75	-43.53	-7.34	-0.88	-13.00	-38.75
119.24	-48.83	-39.49	-8.01	-1.33	-13.00	-35.83
133.79	-43.93	-35.38	-7.01	-1.54	-13.00	-30.93
217.21	-58.44	-56.83	0.31	-1.92	-13.00	-45.44
747.80	-39.77	-37.85	0.69	-2.61	-13.00	-26.77
997.09	-64.17	-62.44	1.69	-3.42	-13.00	-51.17
1559.00	-58.77	-63.77	8.79	-3.79	-40.00	-18.77
2338.50	-46.85	-51.93	9.61	-4.53	-13.00	-33.85

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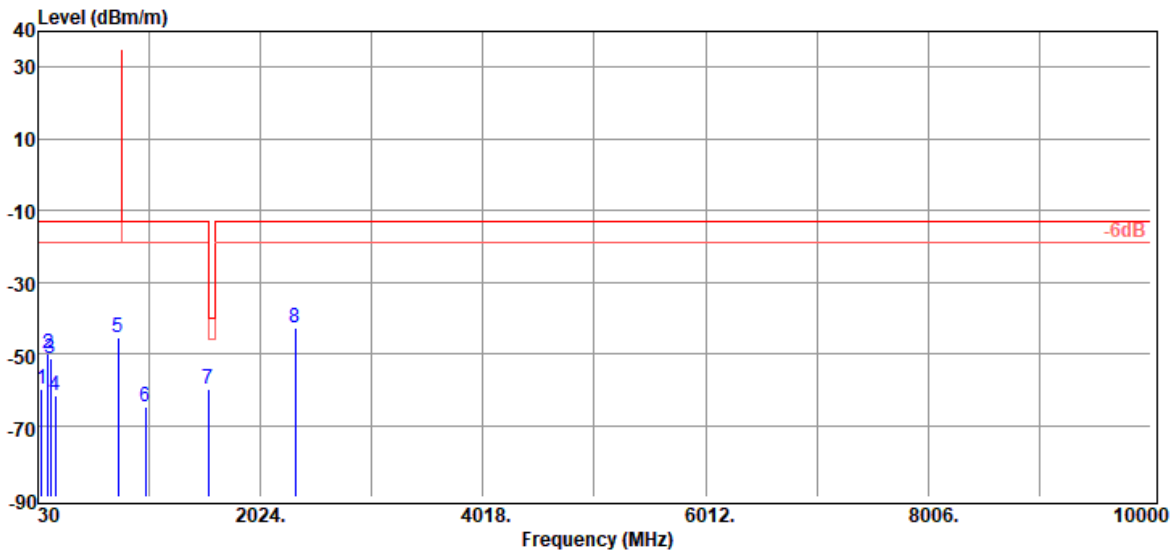
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.98	-59.66	-51.73	-7.05	-0.88	-13.00	-46.66
120.21	-49.81	-40.56	-7.92	-1.33	-13.00	-36.81
143.49	-51.54	-44.19	-5.80	-1.55	-13.00	-38.54
185.20	-61.58	-59.20	-0.69	-1.69	-13.00	-48.58
747.80	-45.29	-43.37	0.69	-2.61	-13.00	-32.29
992.24	-64.66	-62.88	1.58	-3.36	-13.00	-51.66
1559.00	-59.84	-64.84	8.79	-3.79	-40.00	-19.84
2338.50	-42.58	-47.66	9.61	-4.53	-13.00	-29.58

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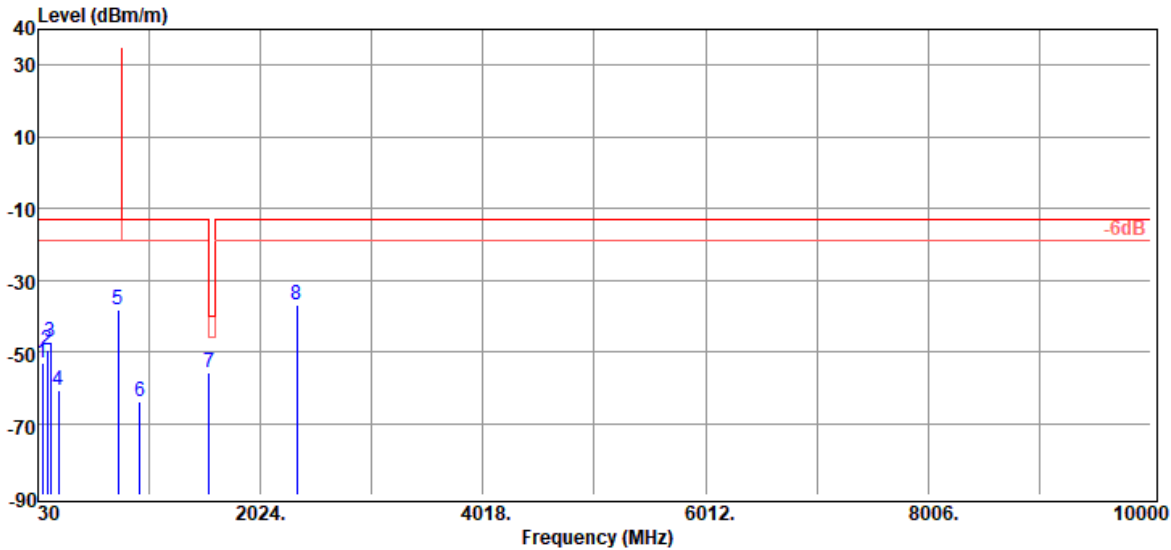
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.77	-53.16	-44.94	-7.34	-0.88	-13.00	-40.16
112.45	-49.47	-40.32	-7.82	-1.33	-13.00	-36.47
139.61	-47.05	-39.23	-6.28	-1.54	-13.00	-34.05
211.39	-60.73	-58.74	-0.13	-1.86	-13.00	-47.73
749.74	-38.08	-36.22	0.75	-2.61	-13.00	-25.08
943.74	-64.01	-62.60	1.81	-3.22	-13.00	-51.01
1564.00	-55.89	-60.99	8.84	-3.74	-40.00	-15.89
2346.00	-36.89	-42.02	9.67	-4.54	-13.00	-23.89

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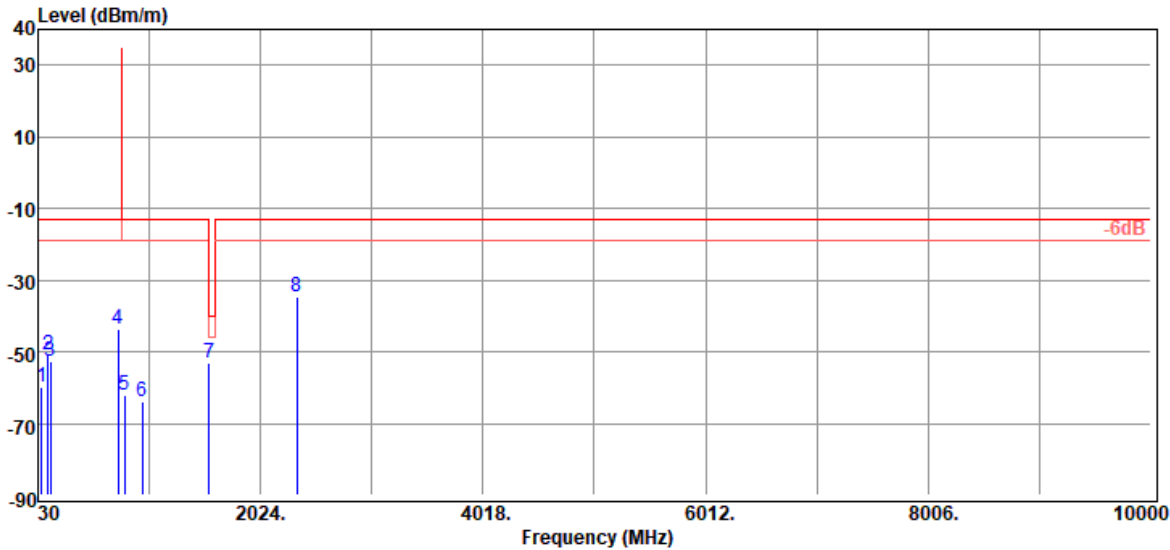
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-59.99	-51.80	-7.31	-0.88	-13.00	-46.99
122.15	-50.92	-41.64	-7.90	-1.38	-13.00	-37.92
141.55	-52.50	-44.89	-6.07	-1.54	-13.00	-39.50
749.74	-43.50	-41.64	0.75	-2.61	-13.00	-30.50
808.91	-62.11	-60.59	1.12	-2.64	-13.00	-49.11
961.20	-64.13	-62.10	1.64	-3.67	-13.00	-51.13
1564.00	-53.13	-58.23	8.84	-3.74	-40.00	-13.13
2346.00	-34.79	-39.92	9.67	-4.54	-13.00	-21.79

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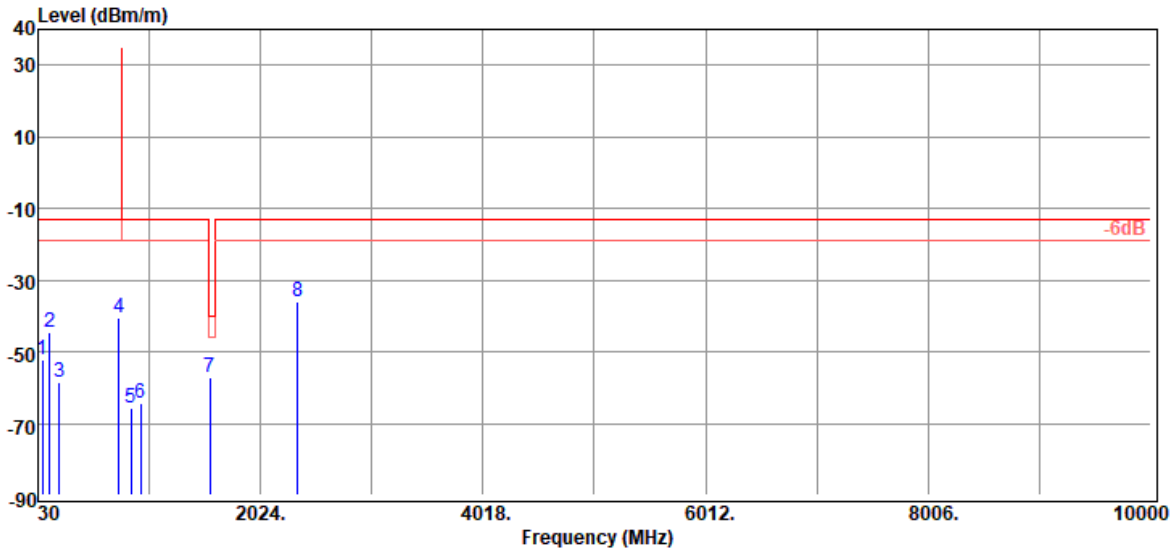
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.80	-52.05	-43.76	-7.41	-0.88	-13.00	-39.05
133.79	-44.72	-36.17	-7.01	-1.54	-13.00	-31.72
219.15	-58.51	-56.88	0.31	-1.94	-13.00	-45.51
752.65	-40.31	-38.42	0.74	-2.63	-13.00	-27.31
866.14	-65.49	-63.61	1.31	-3.19	-13.00	-52.49
946.65	-64.57	-63.17	1.82	-3.22	-13.00	-51.57
1569.00	-57.15	-62.35	8.89	-3.69	-40.00	-17.15
2353.50	-35.85	-41.04	9.73	-4.54	-13.00	-22.85

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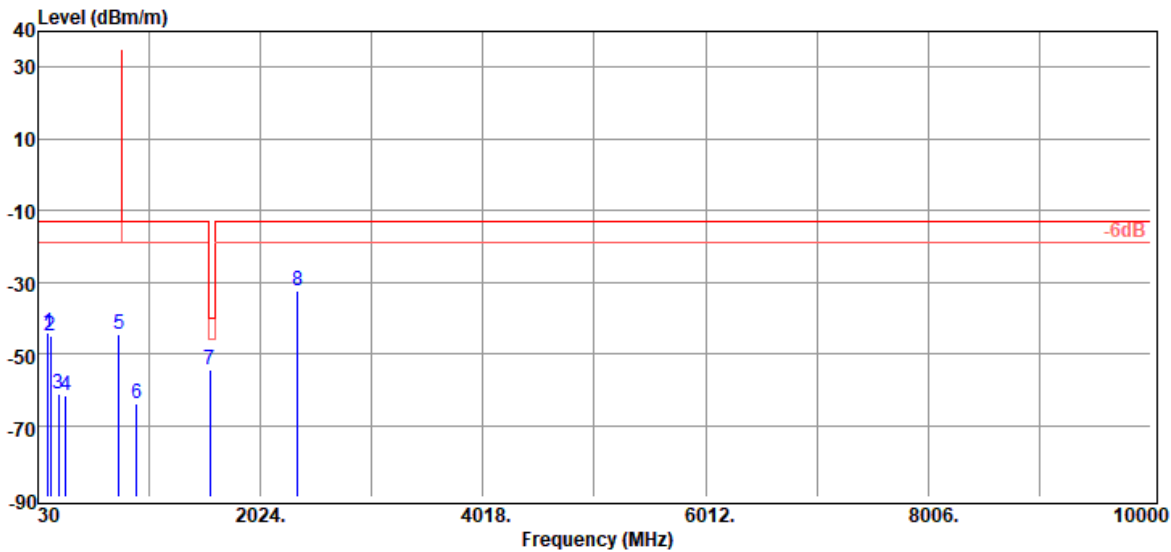
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-44.14	-34.89	-7.92	-1.33	-13.00	-31.14
138.64	-45.19	-37.25	-6.40	-1.54	-13.00	-32.19
214.30	-61.06	-59.39	0.22	-1.89	-13.00	-48.06
281.23	-61.52	-58.08	-1.26	-2.18	-13.00	-48.52
752.65	-44.37	-42.48	0.74	-2.63	-13.00	-31.37
910.76	-63.84	-62.26	1.55	-3.13	-13.00	-50.84
1569.00	-54.44	-59.64	8.89	-3.69	-40.00	-14.44
2353.50	-32.63	-37.82	9.73	-4.54	-13.00	-19.63

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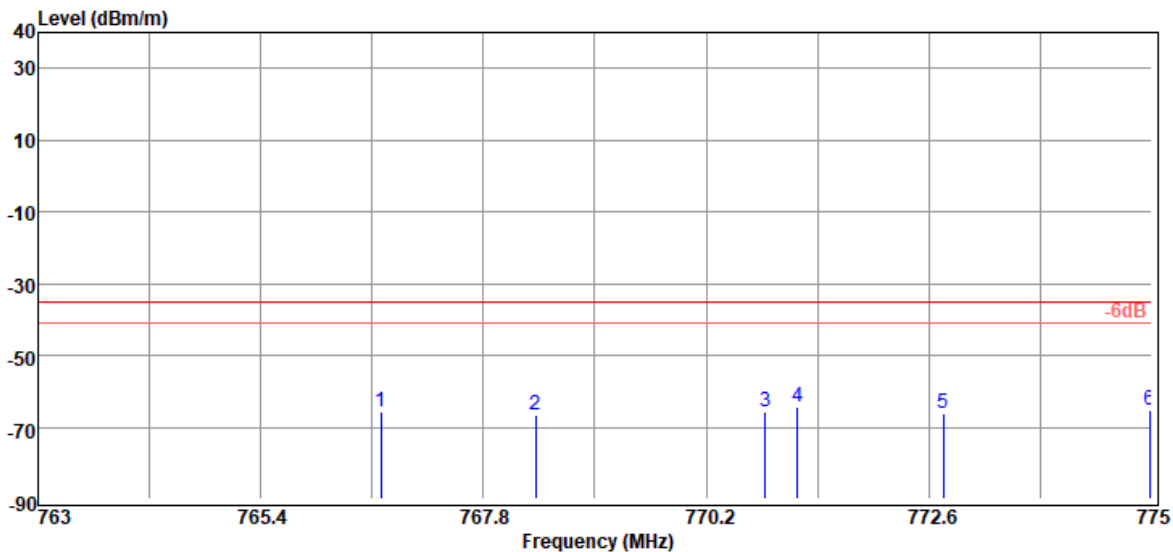
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Radiated Spurious Emission Measurement Result: LTE Band 13 Mode (763-775MHz)

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B13	Temp./Humi.	:22.6/64
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
766.70	-65.53	-63.66	0.82	-2.69	-35.00	-30.53
768.36	-66.70	-64.81	0.80	-2.69	-35.00	-31.70
770.84	-65.91	-63.96	0.77	-2.72	-35.00	-30.91
771.18	-64.15	-62.18	0.76	-2.73	-35.00	-29.15
772.76	-65.99	-63.91	0.71	-2.79	-35.00	-30.99
774.98	-65.16	-62.94	0.65	-2.87	-35.00	-30.16

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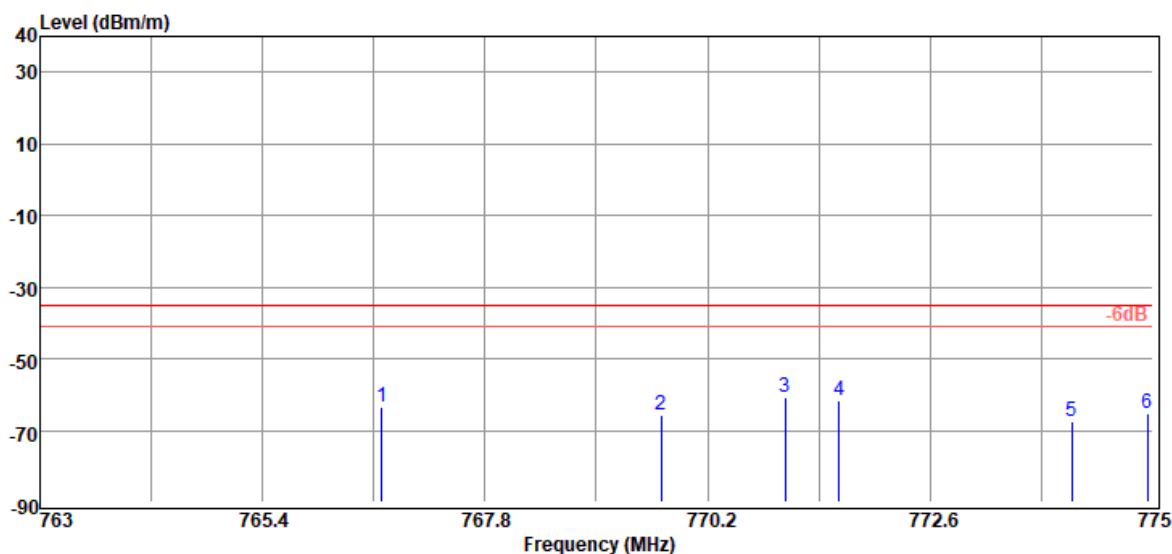
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
766.68	-63.65	-61.78	0.82	-2.69	-35.00	-28.65
769.70	-65.82	-63.92	0.79	-2.69	-35.00	-30.82
771.04	-60.60	-58.63	0.76	-2.73	-35.00	-25.60
771.62	-61.45	-59.44	0.74	-2.75	-35.00	-26.45
774.12	-67.44	-65.27	0.67	-2.84	-35.00	-32.44
774.94	-65.21	-62.99	0.65	-2.87	-35.00	-30.21

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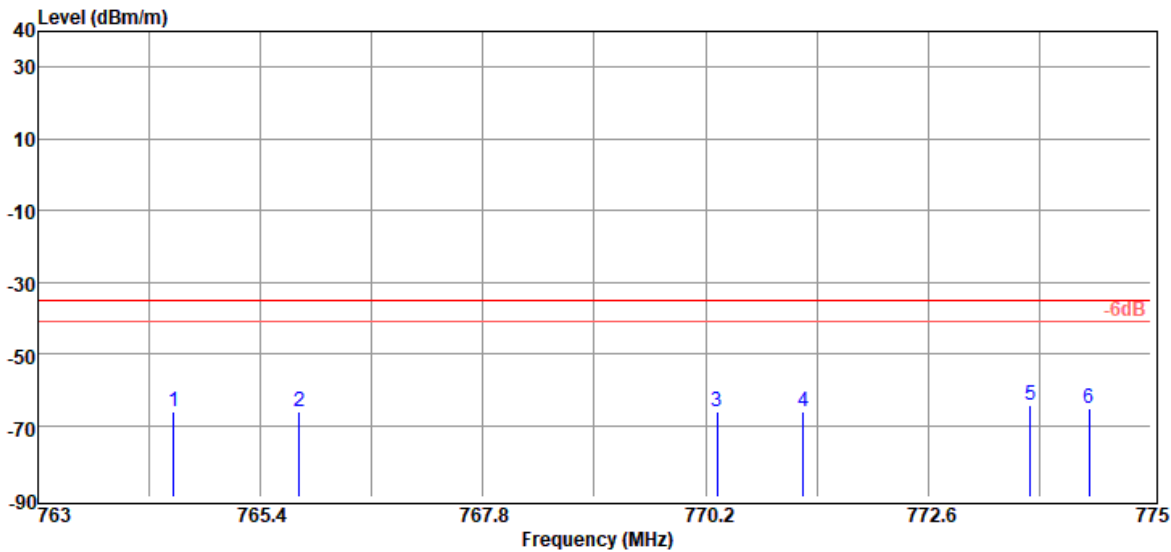
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.46	-65.99	-64.12	0.82	-2.69	-35.00	-30.99
765.82	-66.20	-64.33	0.82	-2.69	-35.00	-31.20
770.32	-66.27	-64.35	0.78	-2.70	-35.00	-31.27
771.26	-65.98	-63.99	0.75	-2.74	-35.00	-30.98
773.70	-64.36	-62.22	0.69	-2.83	-35.00	-29.36
774.34	-65.07	-62.89	0.67	-2.85	-35.00	-30.07

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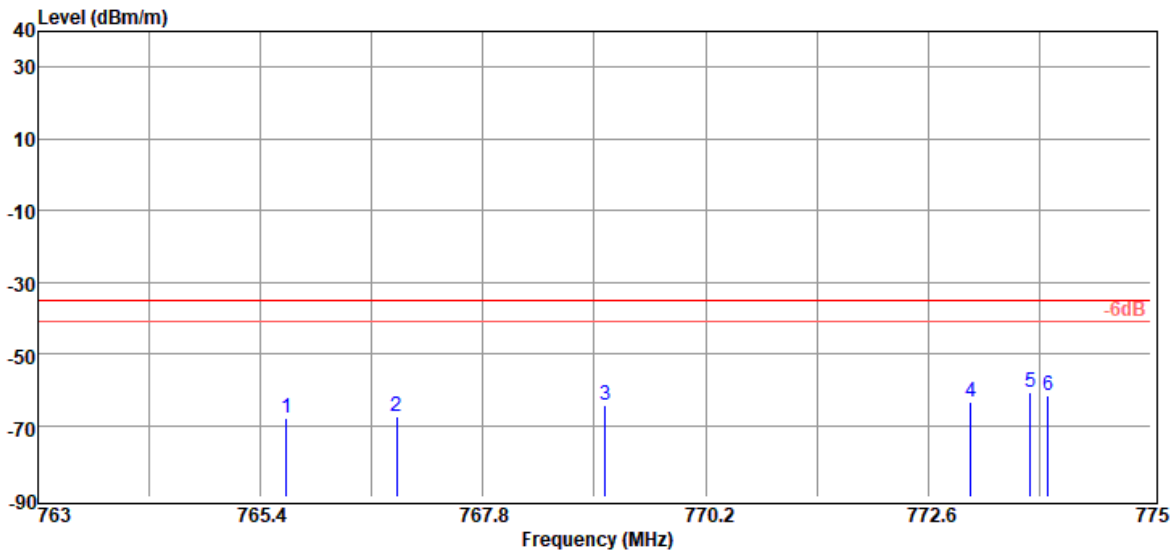
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
765.68	-67.74	-65.87	0.82	-2.69	-35.00	-32.74
766.86	-67.33	-65.46	0.82	-2.69	-35.00	-32.33
769.12	-64.37	-62.48	0.80	-2.69	-35.00	-29.37
773.06	-63.42	-61.32	0.70	-2.80	-35.00	-28.42
773.70	-60.82	-58.68	0.69	-2.83	-35.00	-25.82
773.90	-61.56	-59.41	0.68	-2.83	-35.00	-26.56

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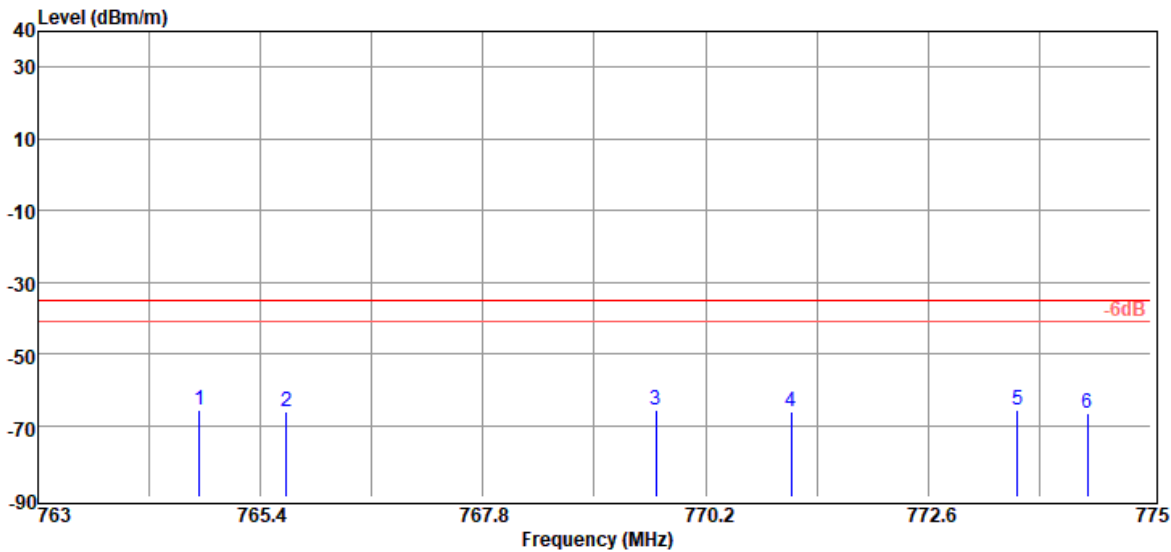
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.74	-65.88	-64.02	0.83	-2.69	-35.00	-30.88
765.68	-66.04	-64.17	0.82	-2.69	-35.00	-31.04
769.66	-65.56	-63.66	0.79	-2.69	-35.00	-30.56
771.12	-66.11	-64.14	0.76	-2.73	-35.00	-31.11
773.56	-65.77	-63.64	0.69	-2.82	-35.00	-30.77
774.32	-66.66	-64.48	0.67	-2.85	-35.00	-31.66

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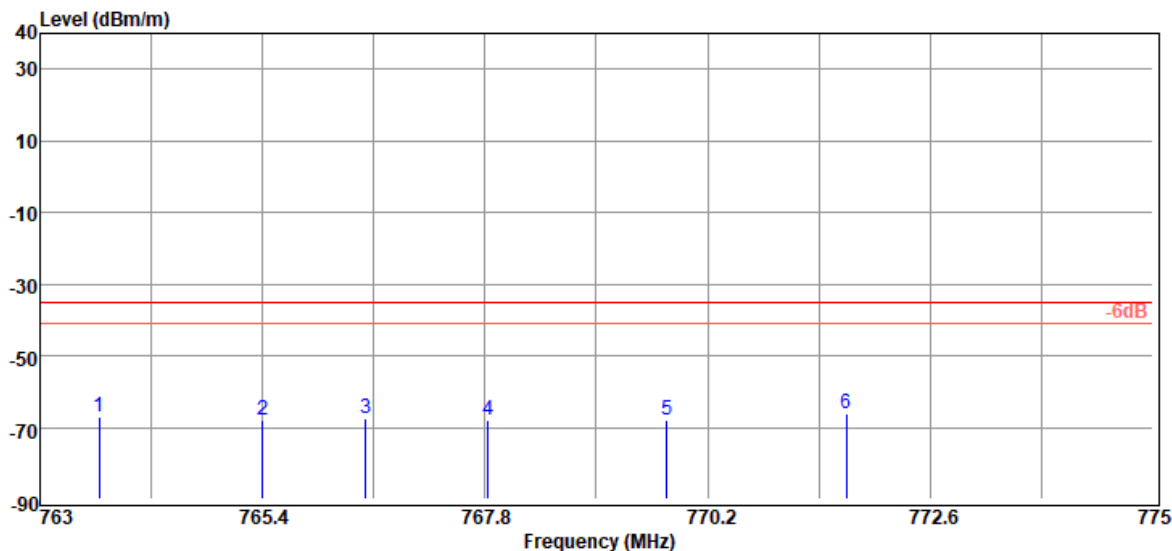
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.64	-67.21	-65.34	0.82	-2.69	-35.00	-32.21
765.40	-68.05	-66.19	0.83	-2.69	-35.00	-33.05
766.52	-67.49	-65.62	0.82	-2.69	-35.00	-32.49
767.84	-67.87	-65.99	0.81	-2.69	-35.00	-32.87
769.76	-67.91	-66.01	0.79	-2.69	-35.00	-32.91
771.70	-66.35	-64.34	0.74	-2.75	-35.00	-31.35

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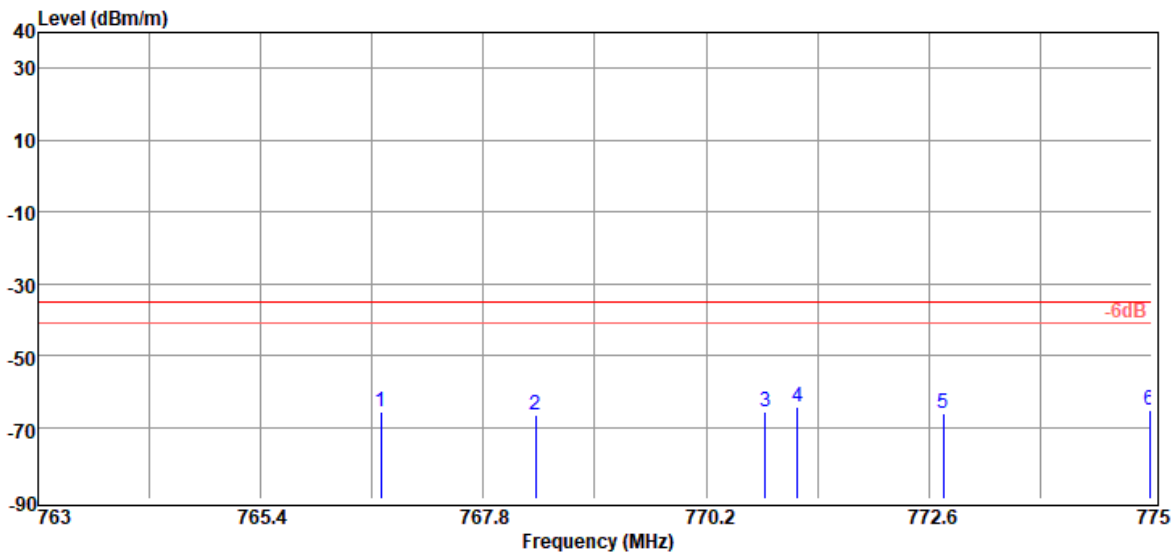
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Radiated Spurious Emission Measurement Result: LTE Band 13 Mode (793-805MHz)

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B13	Temp./Humi.	:22.6/64
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
766.70	-65.53	-63.66	0.82	-2.69	-35.00	-30.53
768.36	-66.70	-64.81	0.80	-2.69	-35.00	-31.70
770.84	-65.91	-63.96	0.77	-2.72	-35.00	-30.91
771.18	-64.15	-62.18	0.76	-2.73	-35.00	-29.15
772.76	-65.99	-63.91	0.71	-2.79	-35.00	-30.99
774.98	-65.16	-62.94	0.65	-2.87	-35.00	-30.16

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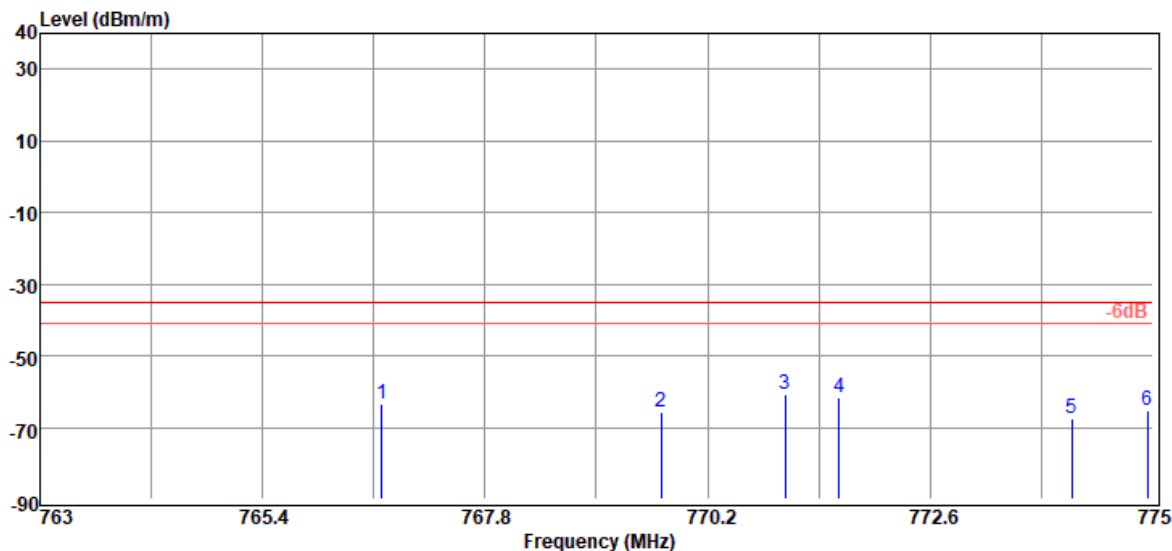
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
766.68	-63.65	-61.78	0.82	-2.69	-35.00	-28.65
769.70	-65.82	-63.92	0.79	-2.69	-35.00	-30.82
771.04	-60.60	-58.63	0.76	-2.73	-35.00	-25.60
771.62	-61.45	-59.44	0.74	-2.75	-35.00	-26.45
774.12	-67.44	-65.27	0.67	-2.84	-35.00	-32.44
774.94	-65.21	-62.99	0.65	-2.87	-35.00	-30.21

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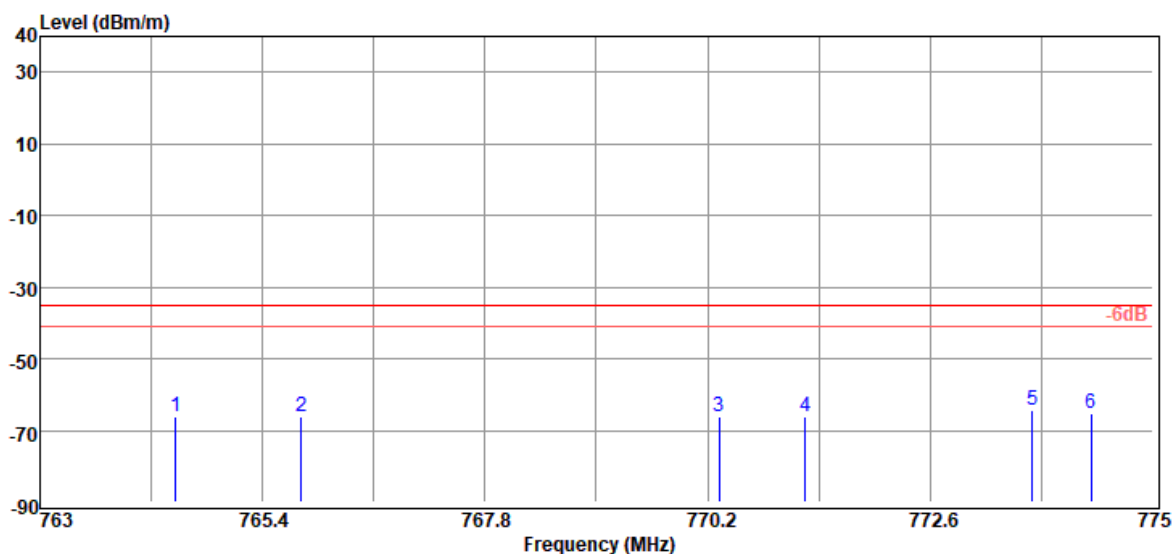
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.46	-65.99	-64.12	0.82	-2.69	-35.00	-30.99
765.82	-66.20	-64.33	0.82	-2.69	-35.00	-31.20
770.32	-66.27	-64.35	0.78	-2.70	-35.00	-31.27
771.26	-65.98	-63.99	0.75	-2.74	-35.00	-30.98
773.70	-64.36	-62.22	0.69	-2.83	-35.00	-29.36
774.34	-65.07	-62.89	0.67	-2.85	-35.00	-30.07

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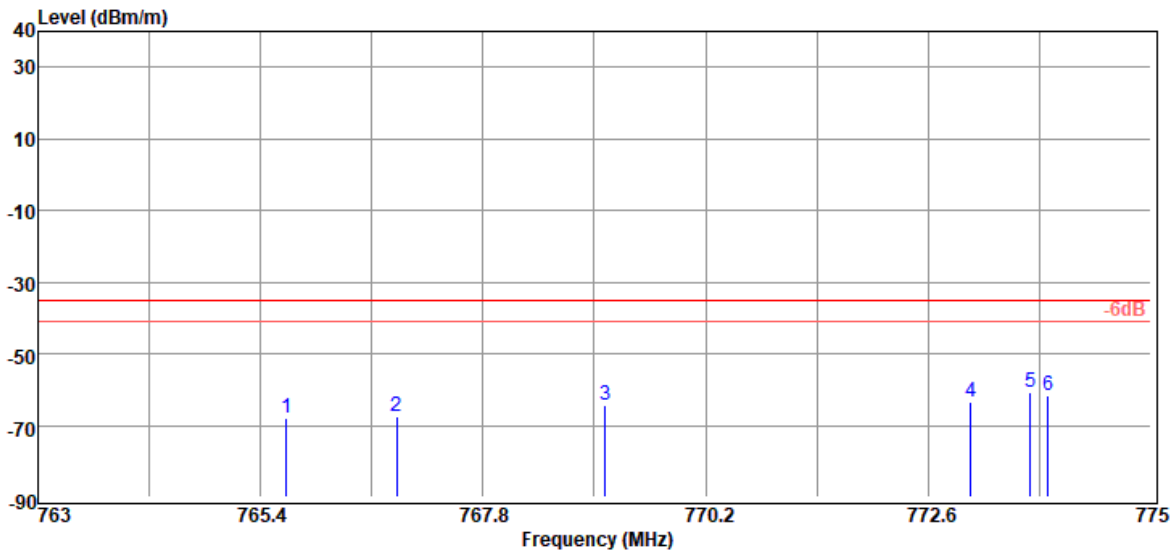
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
765.68	-67.74	-65.87	0.82	-2.69	-35.00	-32.74
766.86	-67.33	-65.46	0.82	-2.69	-35.00	-32.33
769.12	-64.37	-62.48	0.80	-2.69	-35.00	-29.37
773.06	-63.42	-61.32	0.70	-2.80	-35.00	-28.42
773.70	-60.82	-58.68	0.69	-2.83	-35.00	-25.82
773.90	-61.56	-59.41	0.68	-2.83	-35.00	-26.56

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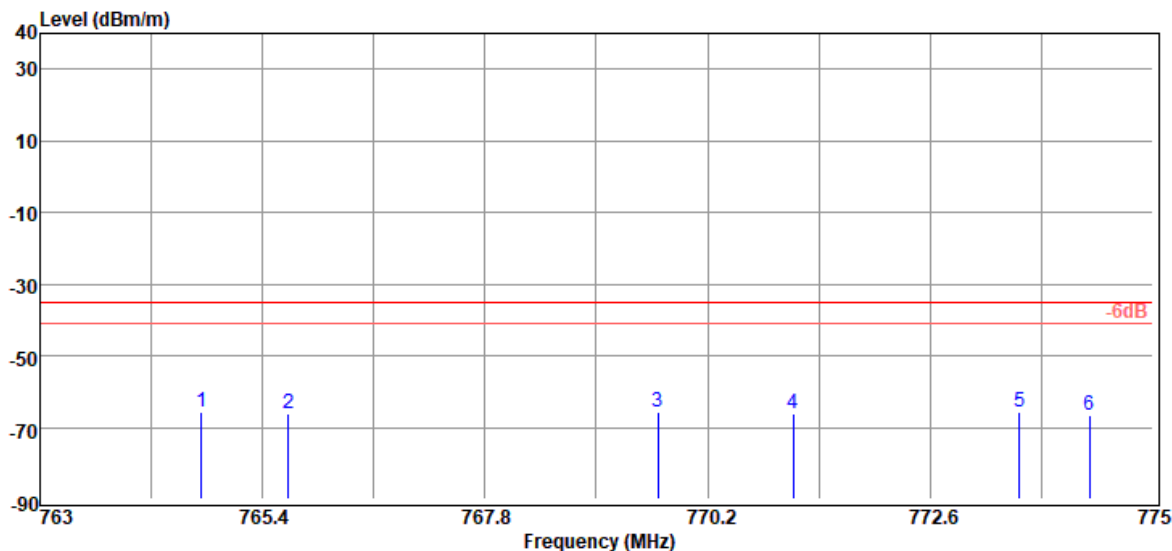
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.74	-65.88	-64.02	0.83	-2.69	-35.00	-30.88
765.68	-66.04	-64.17	0.82	-2.69	-35.00	-31.04
769.66	-65.56	-63.66	0.79	-2.69	-35.00	-30.56
771.12	-66.11	-64.14	0.76	-2.73	-35.00	-31.11
773.56	-65.77	-63.64	0.69	-2.82	-35.00	-30.77
774.32	-66.66	-64.48	0.67	-2.85	-35.00	-31.66

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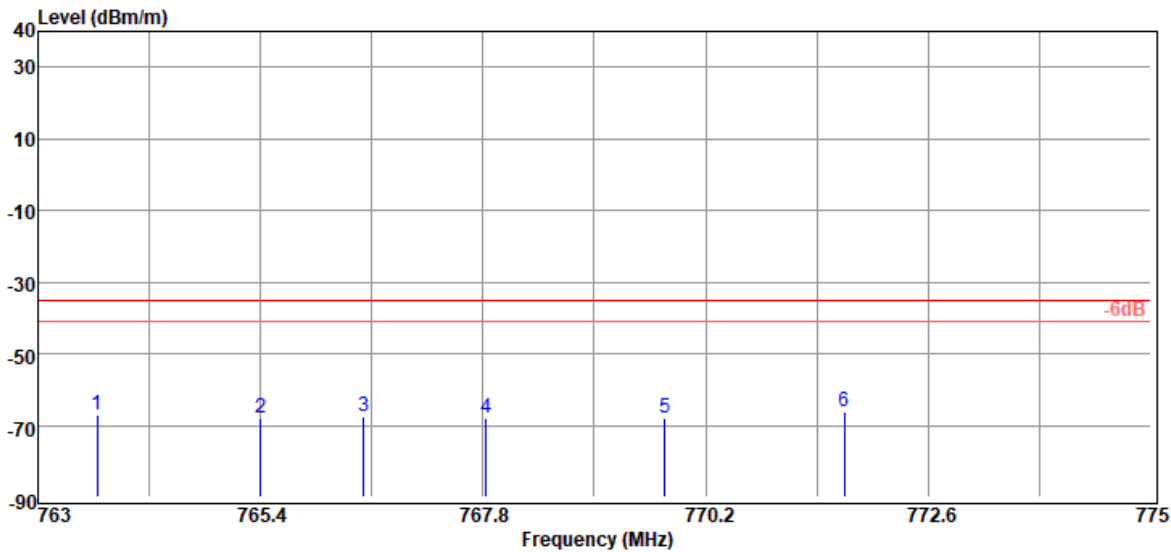
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.64	-67.21	-65.34	0.82	-2.69	-35.00	-32.21
765.40	-68.05	-66.19	0.83	-2.69	-35.00	-33.05
766.52	-67.49	-65.62	0.82	-2.69	-35.00	-32.49
767.84	-67.87	-65.99	0.81	-2.69	-35.00	-32.87
769.76	-67.91	-66.01	0.79	-2.69	-35.00	-32.91
771.70	-66.35	-64.34	0.74	-2.75	-35.00	-31.35

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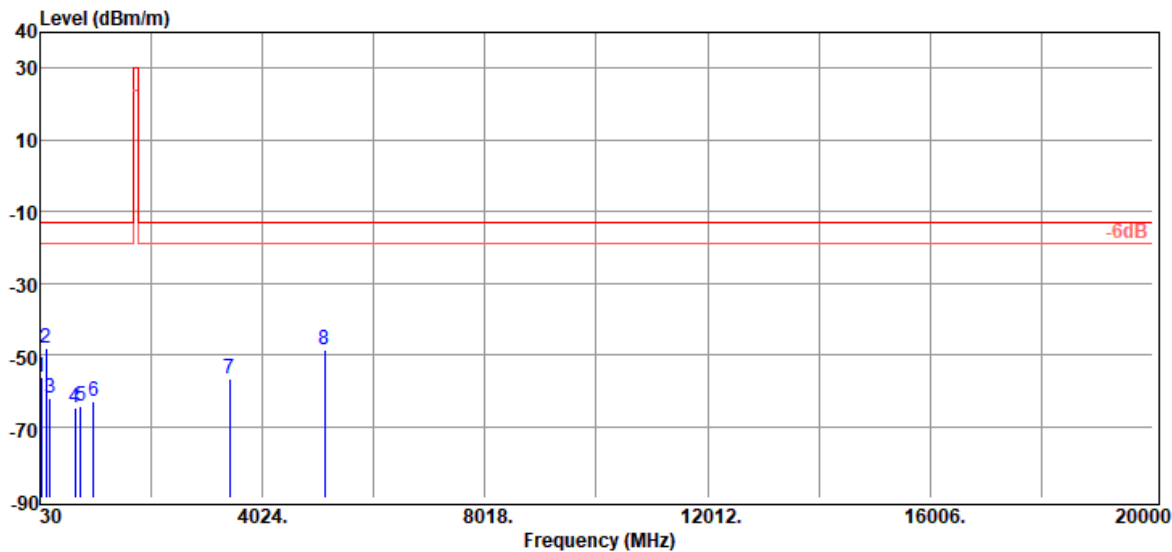
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Radiated Spurious Emission Measurement Result: LTE Band 66 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-31
Operation Mode	:LTE B66	Temp./Humi.	:23.1/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1715 MHz		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-56.15	-41.82	-13.59	-0.74	-13.00	-43.15
133.79	-48.27	-39.72	-7.01	-1.54	-13.00	-35.27
216.24	-62.33	-60.73	0.31	-1.91	-13.00	-49.33
663.41	-64.82	-62.78	0.23	-2.27	-13.00	-51.82
754.59	-64.24	-62.31	0.72	-2.65	-13.00	-51.24
990.30	-63.04	-61.20	1.49	-3.33	-13.00	-50.04
3430.00	-56.53	-63.82	12.50	-5.21	-13.00	-43.53
5145.00	-48.51	-54.60	12.59	-6.50	-13.00	-35.51

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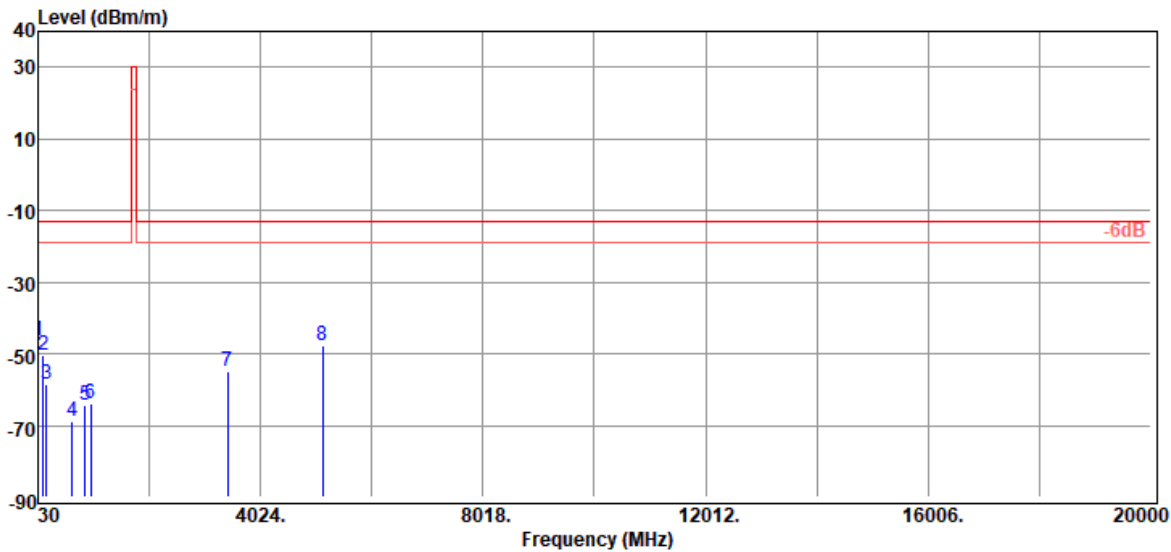
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Report Number :E2/2019/B0012
Operation Mode :LTE B66
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1715 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-46.24	-16.42	-29.28	-0.54	-13.00	-33.24
122.15	-50.58	-41.30	-7.90	-1.38	-13.00	-37.58
185.20	-58.41	-56.03	-0.69	-1.69	-13.00	-45.41
649.83	-68.76	-66.56	0.02	-2.22	-13.00	-55.76
880.69	-64.15	-62.26	1.44	-3.33	-13.00	-51.15
977.69	-63.95	-62.05	1.51	-3.41	-13.00	-50.95
3430.00	-54.87	-62.16	12.50	-5.21	-13.00	-41.87
5145.00	-47.58	-53.67	12.59	-6.50	-13.00	-34.58

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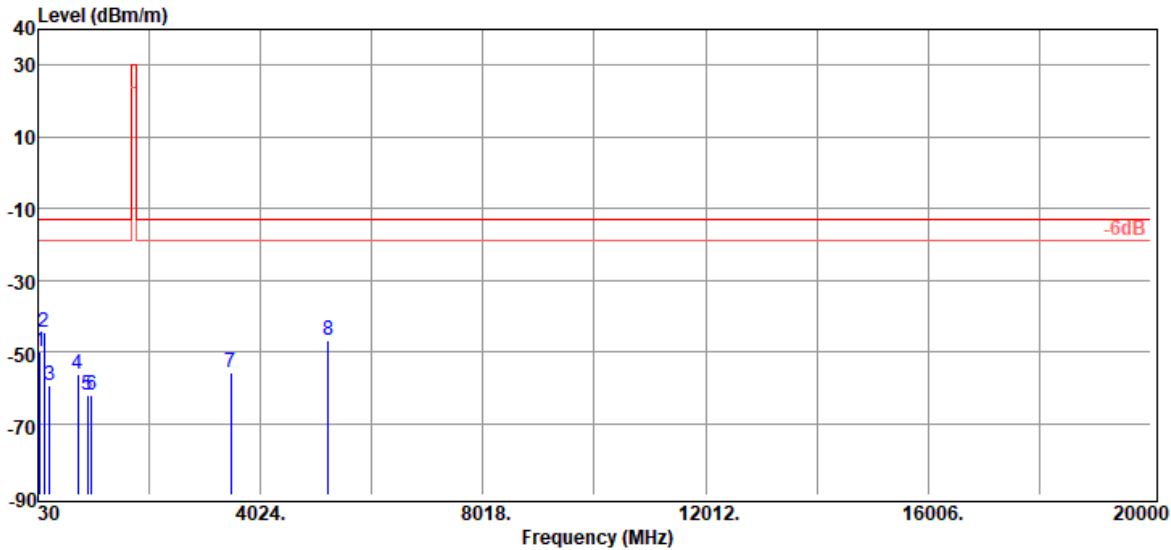
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Report Number :E2/2019/B0012
Operation Mode :LTE B66
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1745 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-50.11	-41.83	-7.39	-0.89	-13.00	-37.11
138.64	-44.68	-36.74	-6.40	-1.54	-13.00	-31.68
236.61	-59.60	-56.96	-0.66	-1.98	-13.00	-46.60
738.10	-56.16	-54.19	0.66	-2.63	-13.00	-43.16
912.70	-62.29	-60.70	1.57	-3.16	-13.00	-49.29
998.06	-62.08	-60.33	1.68	-3.43	-13.00	-49.08
3490.00	-55.70	-62.68	12.34	-5.36	-13.00	-42.70
5235.00	-46.97	-53.57	13.18	-6.58	-13.00	-33.97

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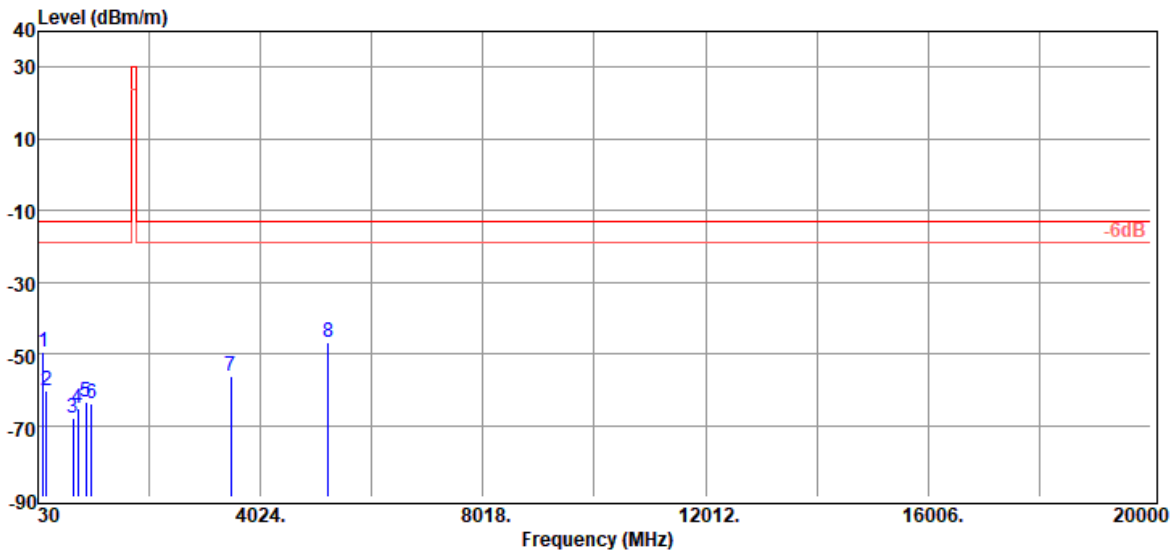
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Report Number :E2/2019/B0012
Operation Mode :LTE B66
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1745 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-49.65	-40.40	-7.92	-1.33	-13.00	-36.65
182.29	-60.52	-57.94	-0.93	-1.65	-13.00	-47.52
655.65	-67.90	-65.77	0.08	-2.21	-13.00	-54.90
744.89	-65.28	-63.27	0.60	-2.61	-13.00	-52.28
896.21	-63.33	-61.71	1.41	-3.03	-13.00	-50.33
988.36	-64.08	-62.24	1.49	-3.33	-13.00	-51.08
3490.00	-56.12	-63.10	12.34	-5.36	-13.00	-43.12
5235.00	-46.99	-53.59	13.18	-6.58	-13.00	-33.99

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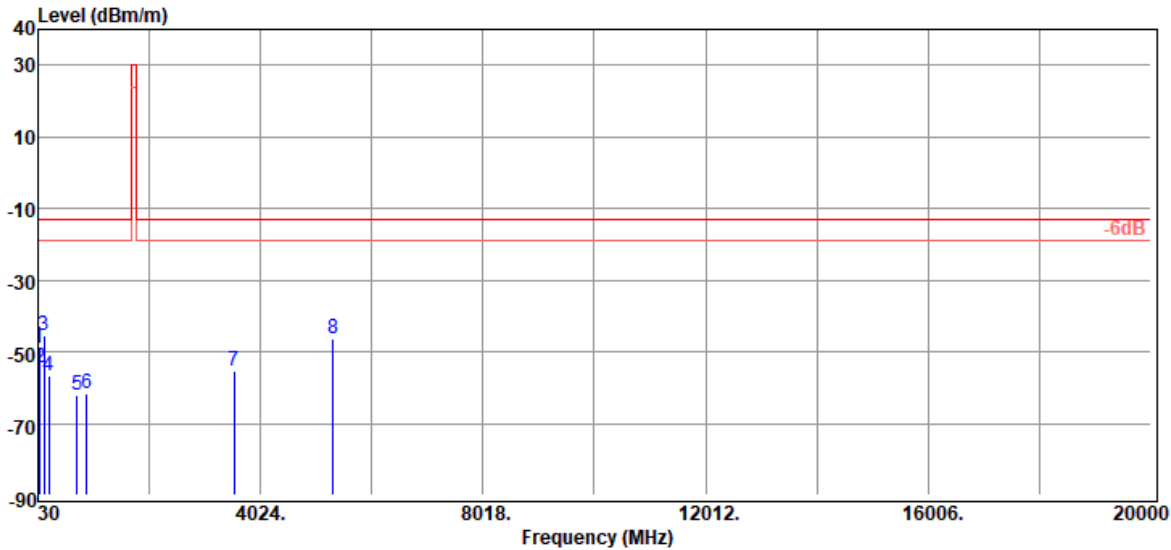
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Report Number :E2/2019/B0012
Operation Mode :LTE B66
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1775 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-49.05	-32.71	-15.60	-0.74	-13.00	-36.05
68.80	-54.29	-46.00	-7.41	-0.88	-13.00	-41.29
138.64	-45.38	-37.44	-6.40	-1.54	-13.00	-32.38
230.79	-56.80	-54.59	-0.26	-1.95	-13.00	-43.80
736.16	-62.21	-60.23	0.68	-2.66	-13.00	-49.21
910.76	-61.84	-60.26	1.55	-3.13	-13.00	-48.84
3550.00	-55.29	-61.78	12.10	-5.61	-13.00	-42.29
5325.00	-46.42	-53.31	13.40	-6.51	-13.00	-33.42

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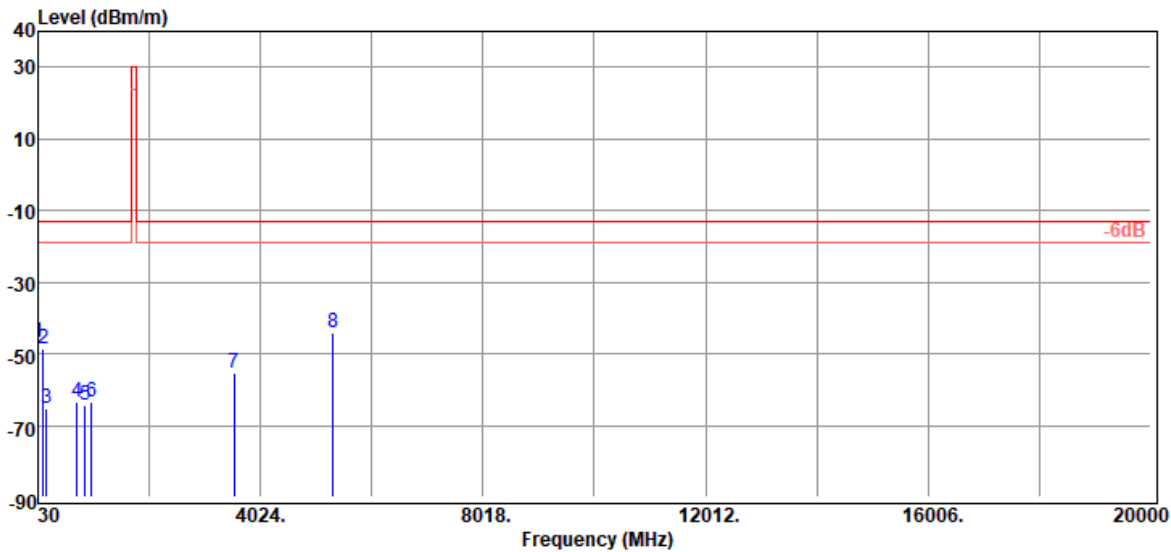
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Report Number :E2/2019/B0012
Operation Mode :LTE B66
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1775 MHz

Test Date :2019-12-31
Temp./Humi. :23.1/55
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-47.00	-17.18	-29.28	-0.54	-13.00	-34.00
122.15	-48.65	-39.37	-7.90	-1.38	-13.00	-35.65
177.44	-65.44	-62.51	-1.31	-1.62	-13.00	-52.44
735.19	-63.54	-61.56	0.69	-2.67	-13.00	-50.54
878.75	-64.23	-62.29	1.41	-3.35	-13.00	-51.23
992.24	-63.61	-61.83	1.58	-3.36	-13.00	-50.61
3550.00	-55.19	-61.68	12.10	-5.61	-13.00	-42.19
5325.00	-44.28	-51.17	13.40	-6.51	-13.00	-31.28

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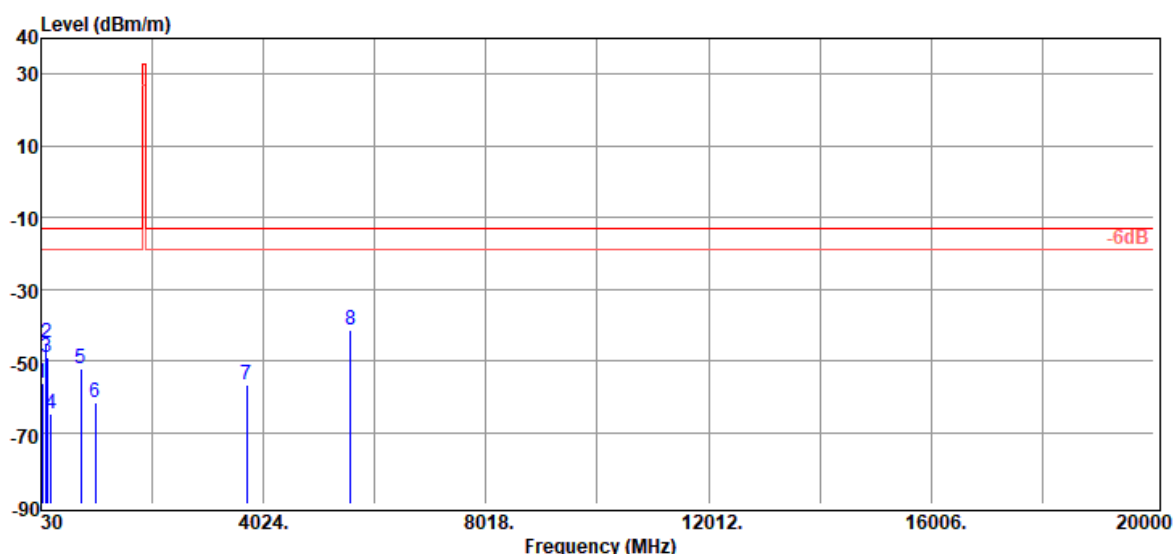
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External Monopole Antenna Radiated Spurious Emission Measurement Result: LTE Band 2 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B2	Temp./Humi.	:22.6/64
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1860 MHz		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-56.16	-39.82	-15.60	-0.74	-13.00	-43.16
120.21	-44.80	-35.55	-7.92	-1.33	-13.00	-31.80
131.85	-49.10	-40.32	-7.24	-1.54	-13.00	-36.10
217.21	-64.78	-63.17	0.31	-1.92	-13.00	-51.78
744.89	-52.42	-50.41	0.60	-2.61	-13.00	-39.42
999.03	-61.74	-59.96	1.67	-3.45	-13.00	-48.74
3720.00	-56.84	-62.93	12.14	-6.05	-13.00	-43.84
5580.00	-41.29	-47.67	13.30	-6.92	-13.00	-28.29

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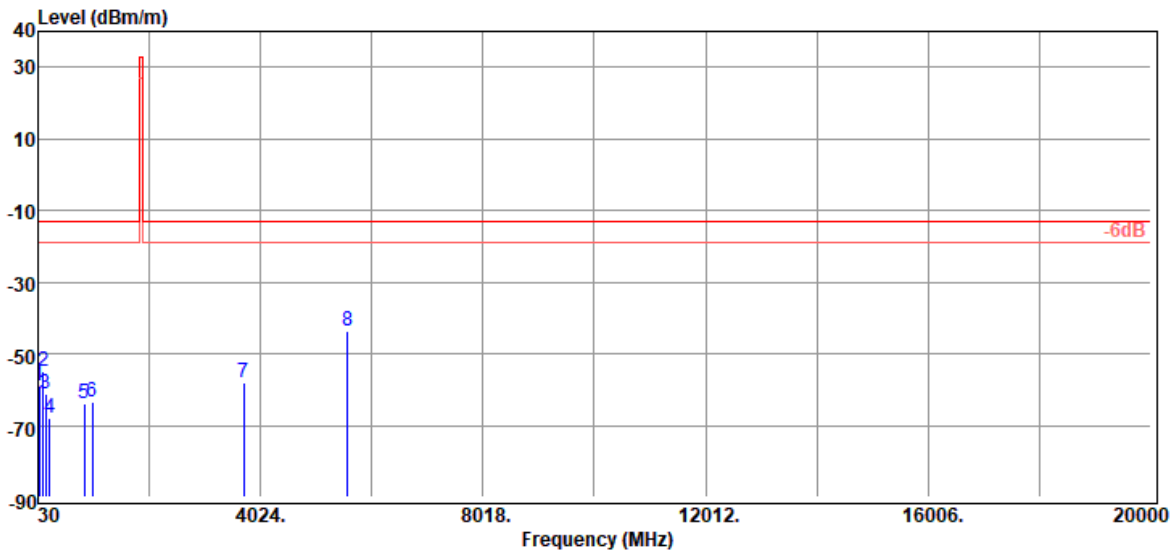
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1860 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.55	-59.12	-40.05	-18.33	-0.74	-13.00	-46.12
122.15	-55.06	-45.78	-7.90	-1.38	-13.00	-42.06
160.95	-61.40	-56.82	-3.01	-1.57	-13.00	-48.40
235.64	-67.99	-65.45	-0.57	-1.97	-13.00	-54.99
866.14	-63.95	-62.07	1.31	-3.19	-13.00	-50.95
999.03	-63.51	-61.73	1.67	-3.45	-13.00	-50.51
3720.00	-57.99	-64.08	12.14	-6.05	-13.00	-44.99
5580.00	-43.67	-50.05	13.30	-6.92	-13.00	-30.67

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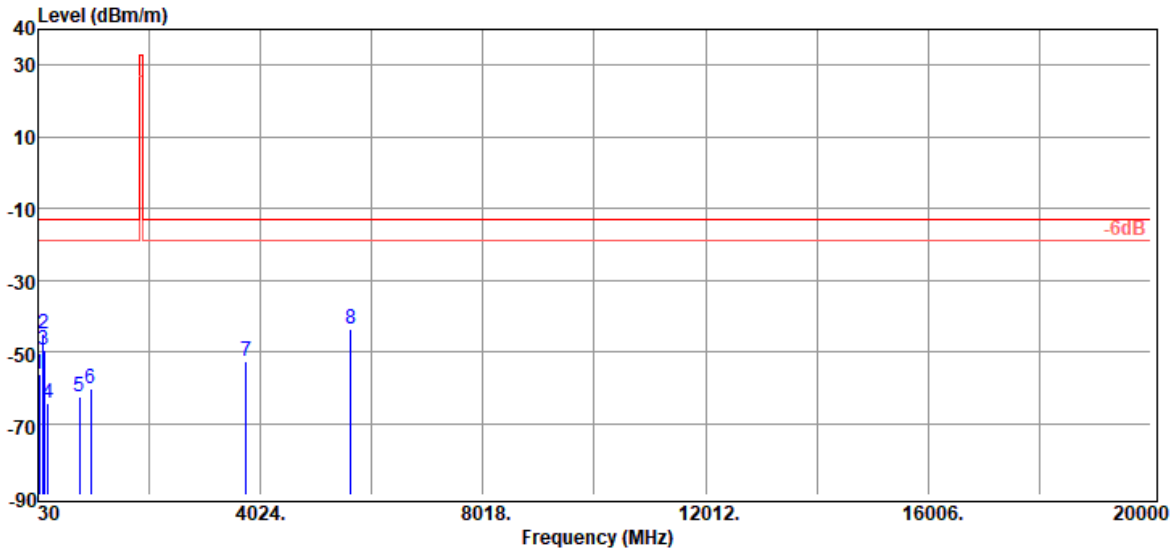
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1880 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-56.35	-42.02	-13.59	-0.74	-13.00	-43.35
121.18	-44.88	-35.72	-7.80	-1.36	-13.00	-31.88
136.70	-49.70	-41.50	-6.66	-1.54	-13.00	-36.70
212.36	-64.44	-62.56	-0.01	-1.87	-13.00	-51.44
773.02	-62.62	-60.53	0.71	-2.80	-13.00	-49.62
974.78	-60.20	-58.23	1.54	-3.51	-13.00	-47.20
3760.00	-52.56	-58.43	12.20	-6.33	-13.00	-39.56
5640.00	-43.57	-49.86	13.46	-7.17	-13.00	-30.57

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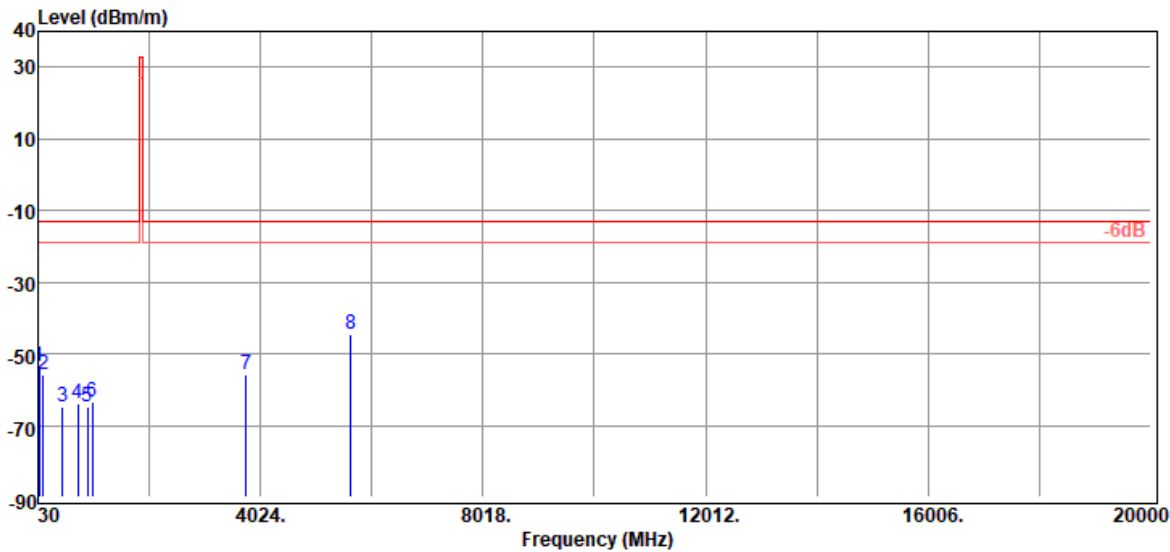
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1880 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
44.55	-53.70	-34.63	-18.33	-0.74	-13.00	-40.70
120.21	-55.69	-46.44	-7.92	-1.33	-13.00	-42.69
473.29	-64.88	-61.20	-0.81	-2.87	-13.00	-51.88
747.80	-63.97	-62.05	0.69	-2.61	-13.00	-50.97
915.61	-64.63	-63.01	1.60	-3.22	-13.00	-51.63
999.03	-63.32	-61.54	1.67	-3.45	-13.00	-50.32
3760.00	-55.77	-61.64	12.20	-6.33	-13.00	-42.77
5640.00	-44.69	-50.98	13.46	-7.17	-13.00	-31.69

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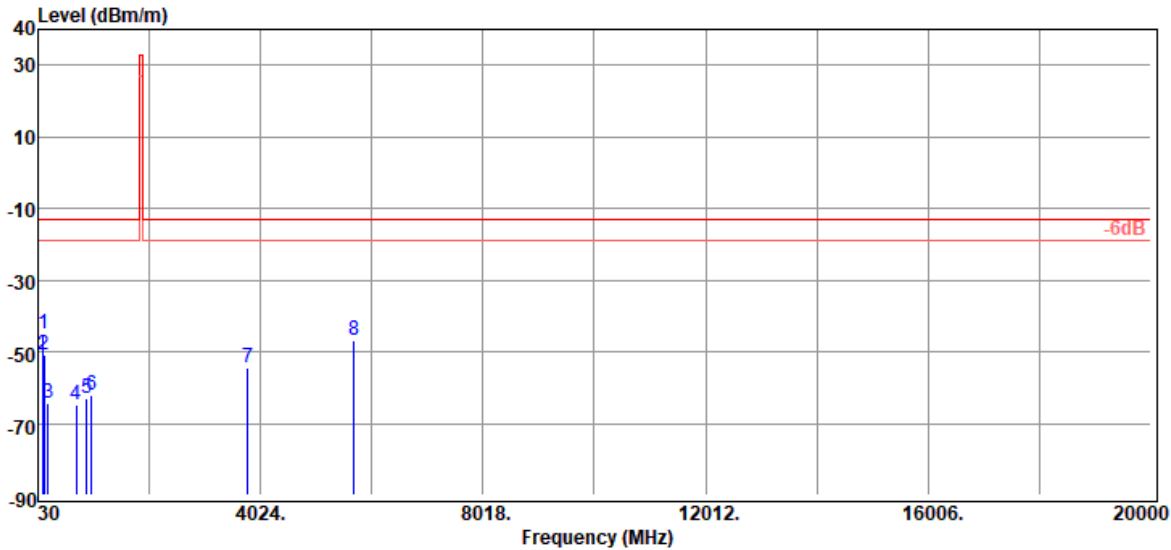
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1900 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-44.80	-35.55	-7.92	-1.33	-13.00	-31.80
131.85	-50.83	-42.05	-7.24	-1.54	-13.00	-37.83
204.60	-64.34	-62.00	-0.50	-1.84	-13.00	-51.34
716.76	-64.85	-63.37	0.84	-2.32	-13.00	-51.85
905.91	-62.86	-61.28	1.50	-3.08	-13.00	-49.86
990.30	-62.04	-60.20	1.49	-3.33	-13.00	-49.04
3800.00	-54.60	-60.20	12.20	-6.60	-13.00	-41.60
5700.00	-46.80	-52.60	13.30	-7.50	-13.00	-33.80

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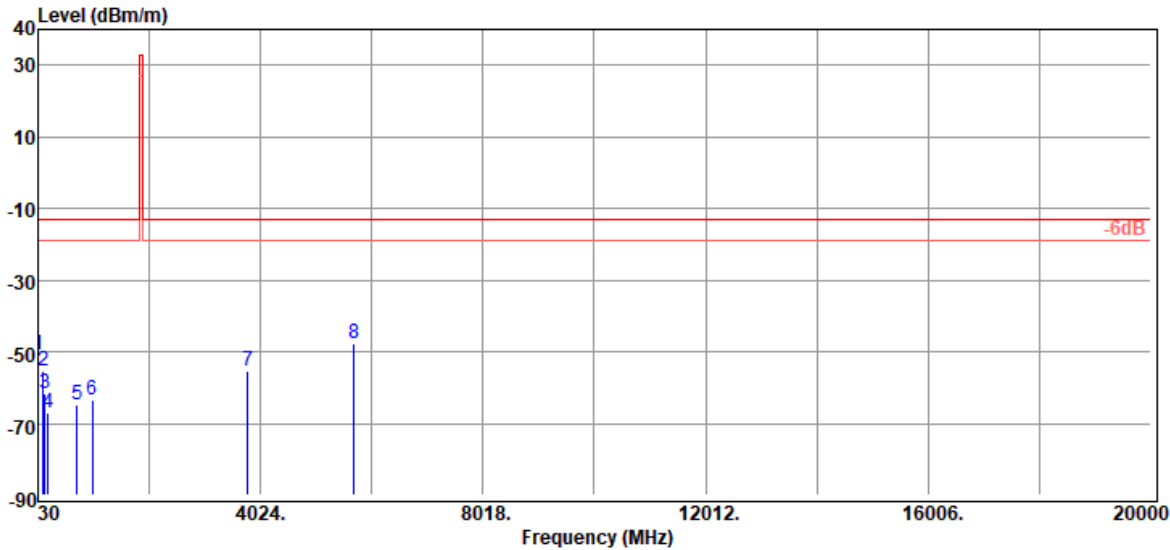
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1900 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
31.94	-51.08	-21.26	-29.28	-0.54	-13.00	-38.08
121.18	-55.19	-46.03	-7.80	-1.36	-13.00	-42.19
149.31	-61.62	-55.33	-4.73	-1.56	-13.00	-48.62
216.24	-67.08	-65.48	0.31	-1.91	-13.00	-54.08
735.19	-64.89	-62.91	0.69	-2.67	-13.00	-51.89
1000.00	-63.38	-61.58	1.66	-3.46	-13.00	-50.38
3800.00	-55.55	-61.15	12.20	-6.60	-13.00	-42.55
5700.00	-47.62	-53.42	13.30	-7.50	-13.00	-34.62

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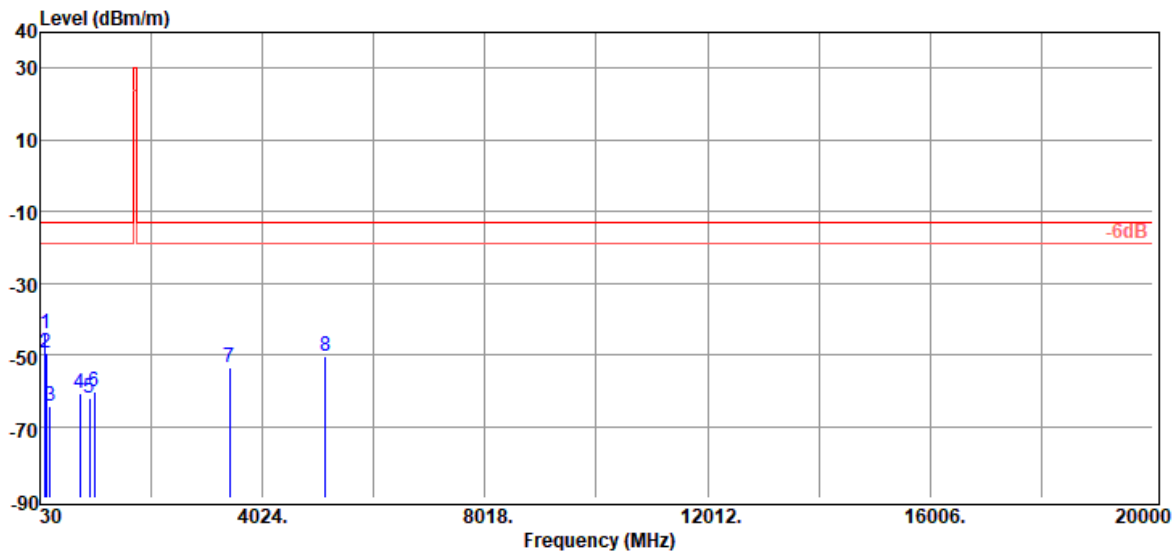
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Radiated Spurious Emission Measurement Result: LTE Band 4 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B4	Temp./Humi.	:22.6/64
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1717.5 MHz		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-44.12	-34.87	-7.92	-1.33	-13.00	-31.12
133.79	-49.65	-41.10	-7.01	-1.54	-13.00	-36.65
216.24	-64.35	-62.75	0.31	-1.91	-13.00	-51.35
744.89	-60.76	-58.75	0.60	-2.61	-13.00	-47.76
917.55	-62.30	-60.66	1.62	-3.26	-13.00	-49.30
1000.00	-60.32	-58.52	1.66	-3.46	-13.00	-47.32
3435.00	-53.45	-60.73	12.50	-5.22	-13.00	-40.45
5152.50	-50.26	-56.35	12.62	-6.53	-13.00	-37.26

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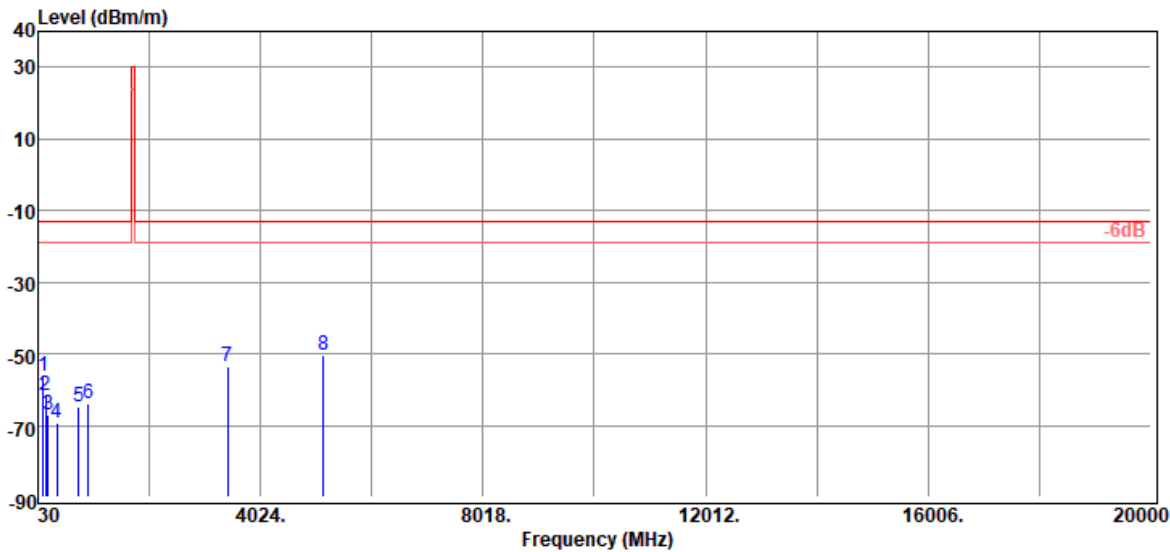
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1717.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-56.30	-47.05	-7.92	-1.33	-13.00	-43.30
160.95	-61.64	-57.06	-3.01	-1.57	-13.00	-48.64
214.30	-67.05	-65.38	0.22	-1.89	-13.00	-54.05
372.41	-69.51	-66.29	-0.57	-2.65	-13.00	-56.51
759.44	-64.85	-62.93	0.77	-2.69	-13.00	-51.85
932.10	-64.13	-62.65	1.81	-3.29	-13.00	-51.13
3435.00	-53.77	-61.05	12.50	-5.22	-13.00	-40.77
5152.50	-50.57	-56.66	12.62	-6.53	-13.00	-37.57

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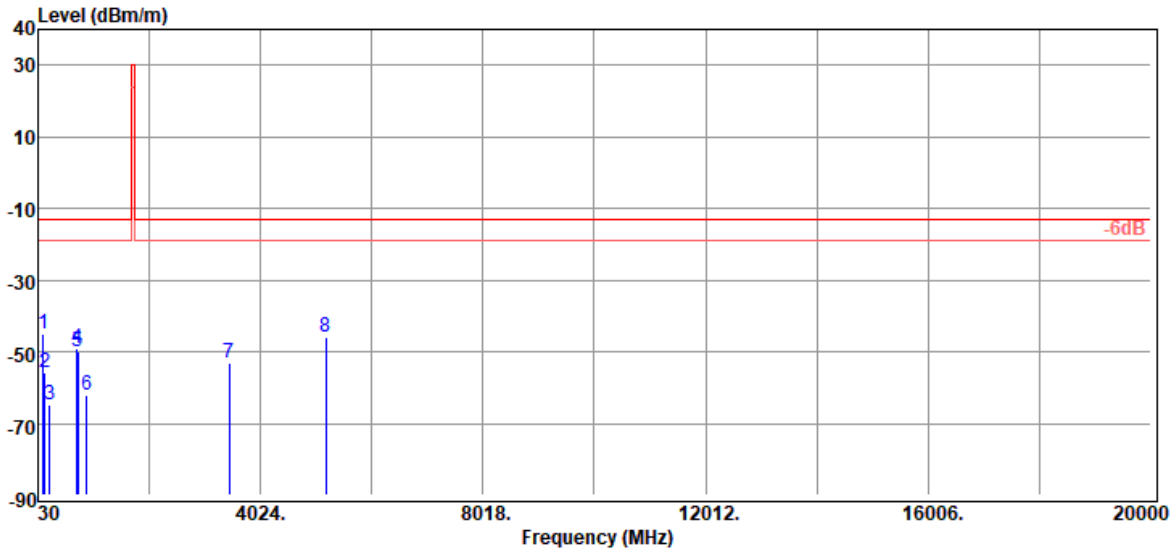
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1732.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-44.79	-35.50	-7.96	-1.33	-13.00	-31.79
151.25	-55.96	-49.88	-4.52	-1.56	-13.00	-42.96
233.70	-64.59	-62.19	-0.44	-1.96	-13.00	-51.59
731.31	-49.18	-47.19	0.72	-2.71	-13.00	-36.18
740.04	-49.89	-47.92	0.64	-2.61	-13.00	-36.89
910.76	-62.14	-60.56	1.55	-3.13	-13.00	-49.14
3465.00	-53.02	-60.16	12.44	-5.30	-13.00	-40.02
5197.50	-46.04	-52.25	12.88	-6.67	-13.00	-33.04

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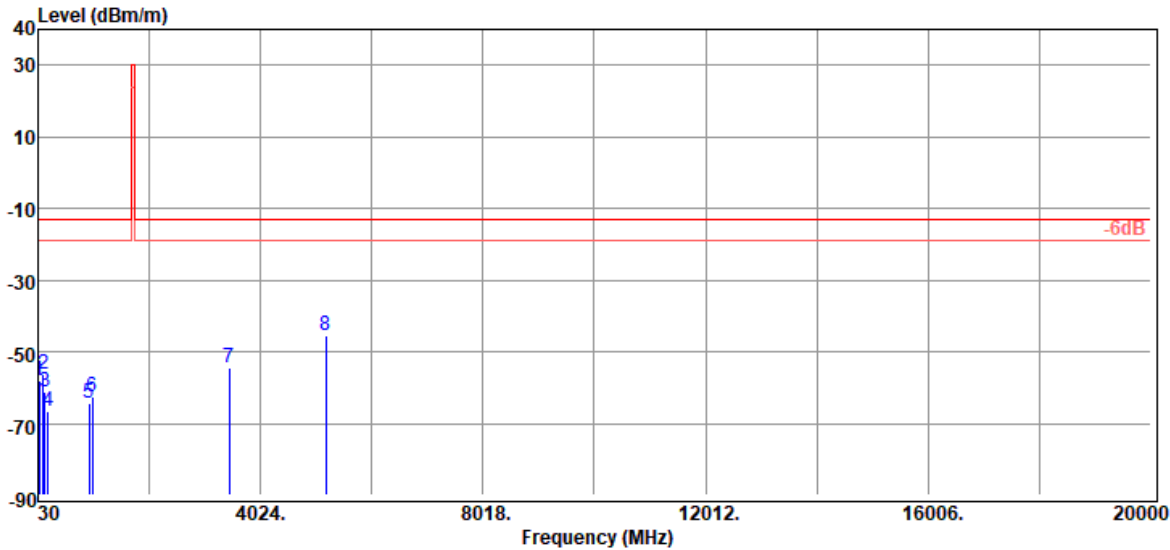
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :1732.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.55	-58.03	-38.96	-18.33	-0.74	-13.00	-45.03
121.18	-56.30	-47.14	-7.80	-1.36	-13.00	-43.30
151.25	-61.21	-55.13	-4.52	-1.56	-13.00	-48.21
214.30	-66.41	-64.74	0.22	-1.89	-13.00	-53.41
946.65	-64.37	-62.97	1.82	-3.22	-13.00	-51.37
1000.00	-62.75	-60.95	1.66	-3.46	-13.00	-49.75
3465.00	-54.32	-61.46	12.44	-5.30	-13.00	-41.32
5197.50	-45.36	-51.57	12.88	-6.67	-13.00	-32.36

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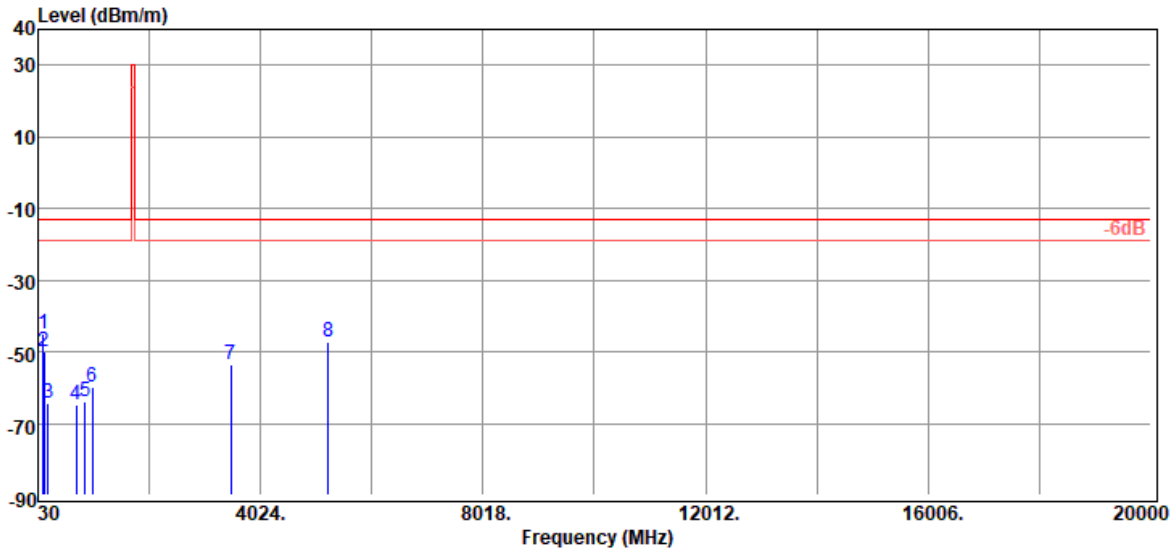
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1747.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-44.98	-35.73	-7.92	-1.33	-13.00	-31.98
134.76	-49.91	-41.42	-6.95	-1.54	-13.00	-36.91
216.24	-64.37	-62.77	0.31	-1.91	-13.00	-51.37
720.64	-64.74	-63.19	0.80	-2.35	-13.00	-51.74
875.84	-63.88	-61.86	1.33	-3.35	-13.00	-50.88
1000.00	-60.05	-58.25	1.66	-3.46	-13.00	-47.05
3495.00	-53.47	-60.41	12.32	-5.38	-13.00	-40.47
5242.50	-47.19	-53.87	13.24	-6.56	-13.00	-34.19

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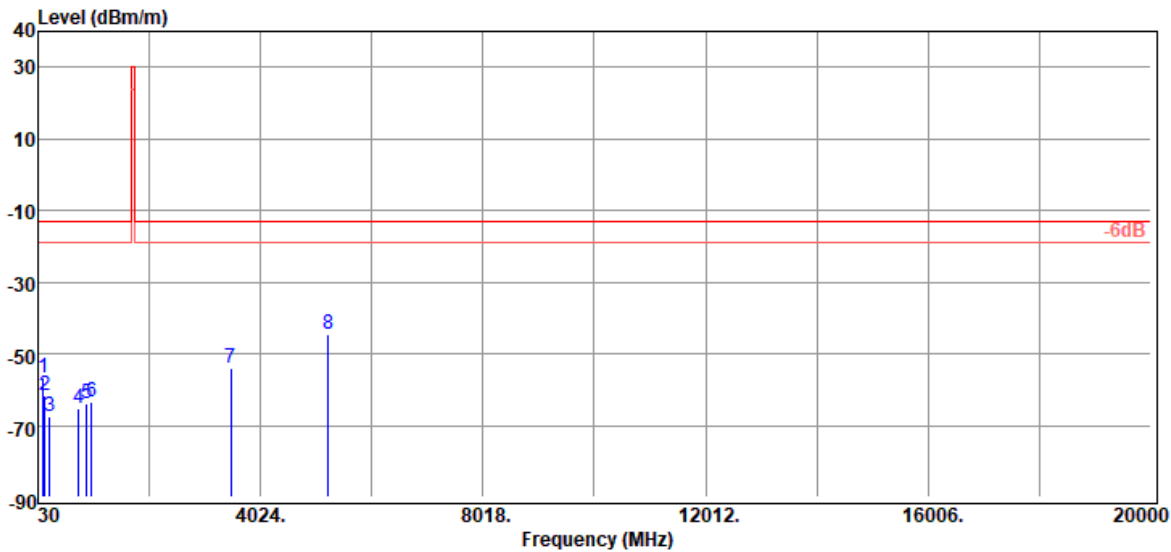
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Report Number :E2/2019/B0012
Operation Mode :LTE B4
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :1747.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
121.18	-56.57	-47.41	-7.80	-1.36	-13.00	-43.57
149.31	-61.58	-55.29	-4.73	-1.56	-13.00	-48.58
236.61	-67.54	-64.90	-0.66	-1.98	-13.00	-54.54
752.65	-65.27	-63.38	0.74	-2.63	-13.00	-52.27
905.91	-63.97	-62.39	1.50	-3.08	-13.00	-50.97
988.36	-63.28	-61.44	1.49	-3.33	-13.00	-50.28
3495.00	-53.89	-60.83	12.32	-5.38	-13.00	-40.89
5242.50	-44.65	-51.33	13.24	-6.56	-13.00	-31.65

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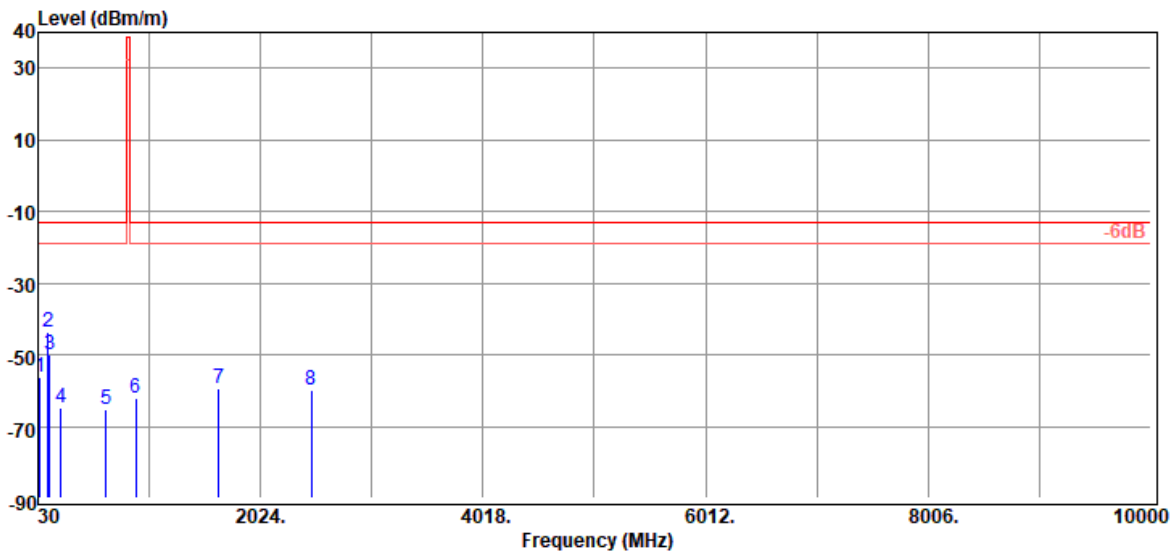
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Radiated Spurious Emission Measurement Result: LTE Band 5 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B5	Temp./Humi.	:22.1/62
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:825.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
48.43	-56.47	-41.17	-14.56	-0.74	-13.00	-43.47
117.30	-43.84	-34.55	-7.96	-1.33	-13.00	-30.84
134.76	-50.18	-41.69	-6.95	-1.54	-13.00	-37.18
233.70	-64.60	-62.20	-0.44	-1.96	-13.00	-51.60
638.19	-65.12	-62.37	-0.18	-2.57	-13.00	-52.12
909.79	-62.21	-60.64	1.54	-3.11	-13.00	-49.21
1651.00	-59.34	-65.28	9.40	-3.46	-13.00	-46.34
2476.50	-59.86	-66.50	10.56	-3.92	-13.00	-46.86

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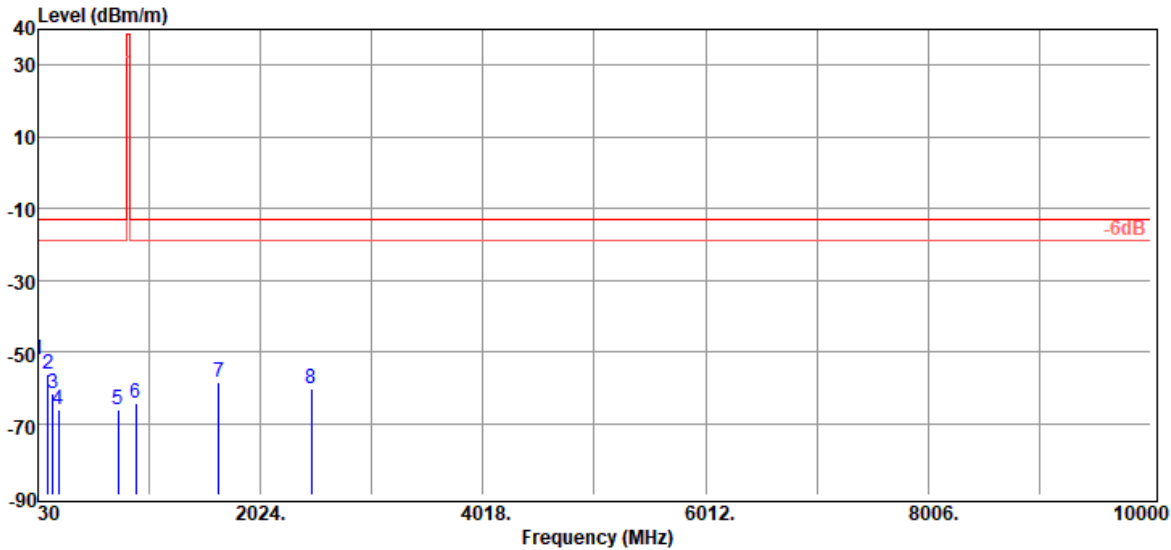
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :825.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.1/62
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-52.30	-22.48	-29.28	-0.54	-13.00	-39.30
120.21	-56.27	-47.02	-7.92	-1.33	-13.00	-43.27
160.95	-61.62	-57.04	-3.01	-1.57	-13.00	-48.62
212.36	-66.03	-64.15	-0.01	-1.87	-13.00	-53.03
749.74	-66.00	-64.14	0.75	-2.61	-13.00	-53.00
903.00	-64.44	-62.86	1.47	-3.05	-13.00	-51.44
1651.00	-58.44	-64.38	9.40	-3.46	-13.00	-45.44
2476.50	-60.10	-66.74	10.56	-3.92	-13.00	-47.10

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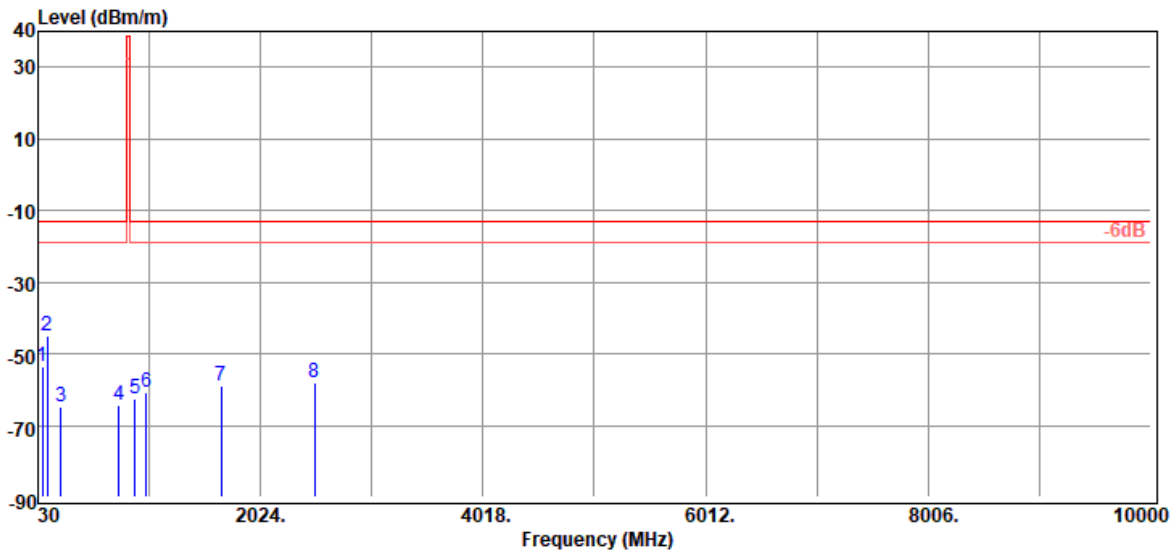
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :836.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.1/62
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
66.86	-53.68	-45.50	-7.30	-0.88	-13.00	-40.68
115.36	-45.02	-35.79	-7.90	-1.33	-13.00	-32.02
233.70	-64.79	-62.39	-0.44	-1.96	-13.00	-51.79
757.50	-64.28	-62.36	0.75	-2.67	-13.00	-51.28
896.21	-62.78	-61.16	1.41	-3.03	-13.00	-49.78
997.09	-60.98	-59.25	1.69	-3.42	-13.00	-47.98
1673.00	-58.84	-64.84	9.49	-3.49	-13.00	-45.84
2509.50	-57.93	-64.96	10.76	-3.73	-13.00	-44.93

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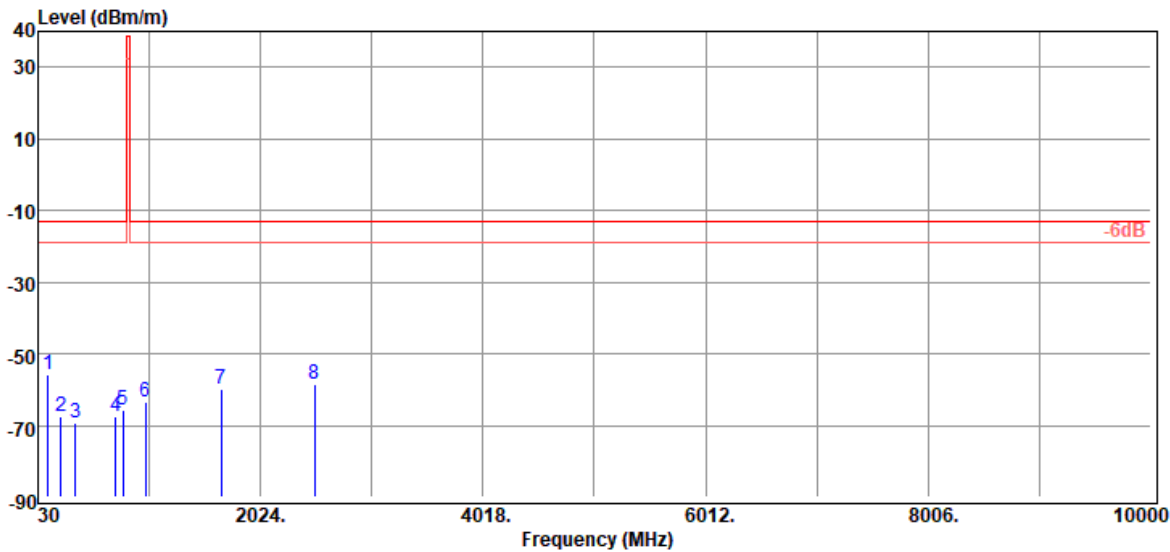
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :836.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.1/62
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-55.88	-46.63	-7.92	-1.33	-13.00	-42.88
235.64	-67.66	-65.12	-0.57	-1.97	-13.00	-54.66
367.56	-69.18	-66.05	-0.54	-2.59	-13.00	-56.18
723.55	-67.48	-65.79	0.78	-2.47	-13.00	-54.48
791.45	-65.53	-63.43	0.90	-3.00	-13.00	-52.53
993.21	-63.63	-61.89	1.63	-3.37	-13.00	-50.63
1673.00	-59.78	-65.78	9.49	-3.49	-13.00	-46.78
2509.50	-58.33	-65.36	10.76	-3.73	-13.00	-45.33

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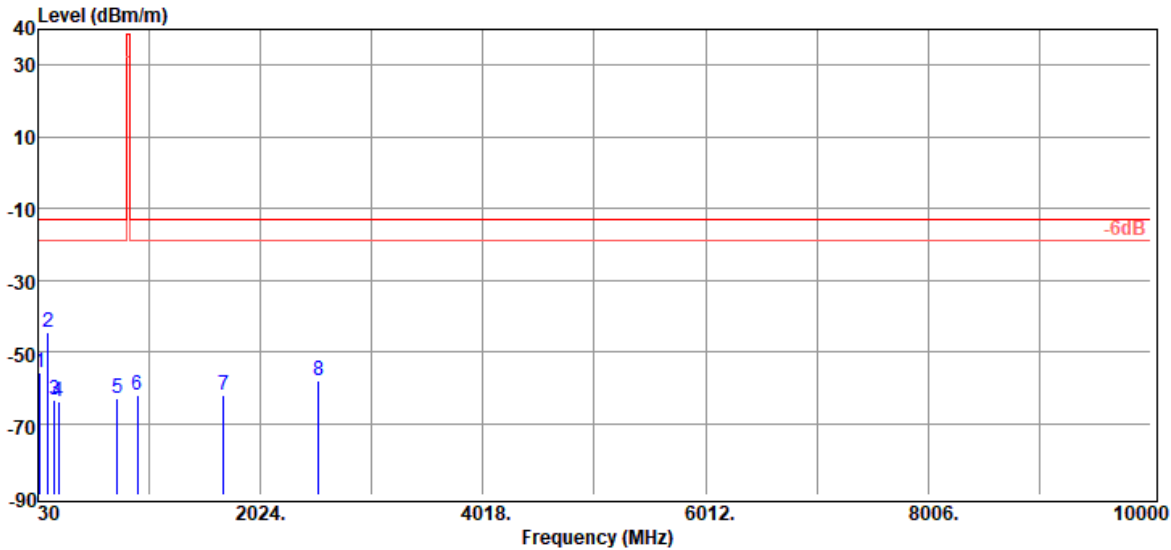
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :847.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.1/62
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
49.40	-55.78	-41.45	-13.59	-0.74	-13.00	-42.78
121.18	-44.59	-35.43	-7.80	-1.36	-13.00	-31.59
180.35	-63.36	-60.66	-1.08	-1.62	-13.00	-50.36
216.24	-63.98	-62.38	0.31	-1.91	-13.00	-50.98
742.95	-62.88	-60.89	0.62	-2.61	-13.00	-49.88
919.49	-61.90	-60.23	1.63	-3.30	-13.00	-48.90
1695.00	-62.16	-68.22	9.58	-3.52	-13.00	-49.16
2542.50	-58.24	-65.43	10.95	-3.76	-13.00	-45.24

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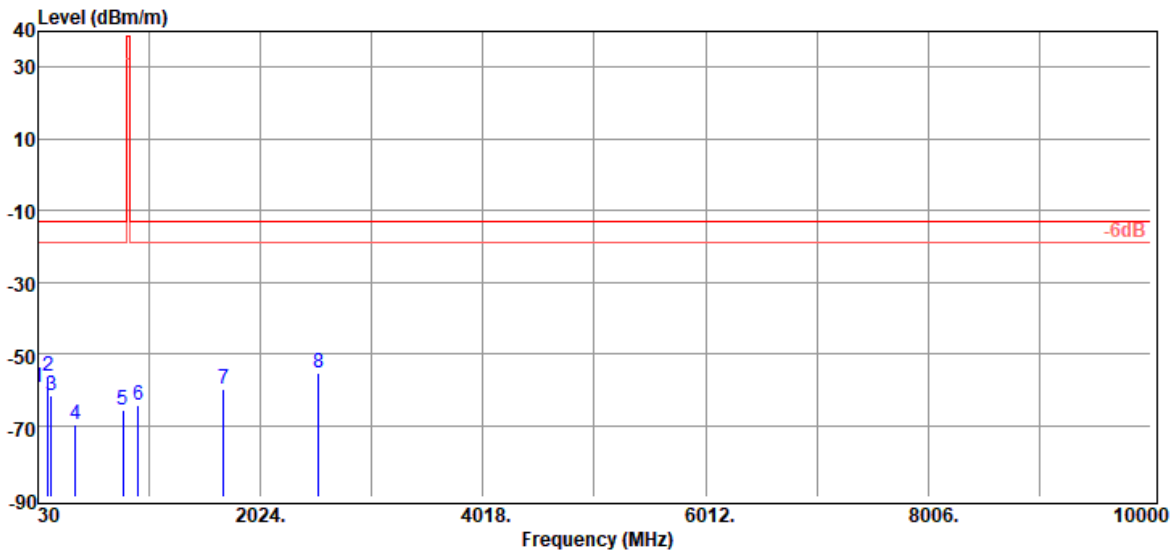
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Report Number :E2/2019/B0012
Operation Mode :LTE B5
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :847.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.1/62
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-59.34	-30.89	-27.85	-0.60	-13.00	-46.34
122.15	-56.46	-47.18	-7.90	-1.38	-13.00	-43.46
149.31	-61.82	-55.53	-4.73	-1.56	-13.00	-48.82
366.59	-69.86	-66.78	-0.52	-2.56	-13.00	-56.86
788.54	-65.67	-63.48	0.87	-3.06	-13.00	-52.67
930.16	-64.16	-62.68	1.83	-3.31	-13.00	-51.16
1695.00	-59.98	-66.04	9.58	-3.52	-13.00	-46.98
2542.50	-55.28	-62.47	10.95	-3.76	-13.00	-42.28

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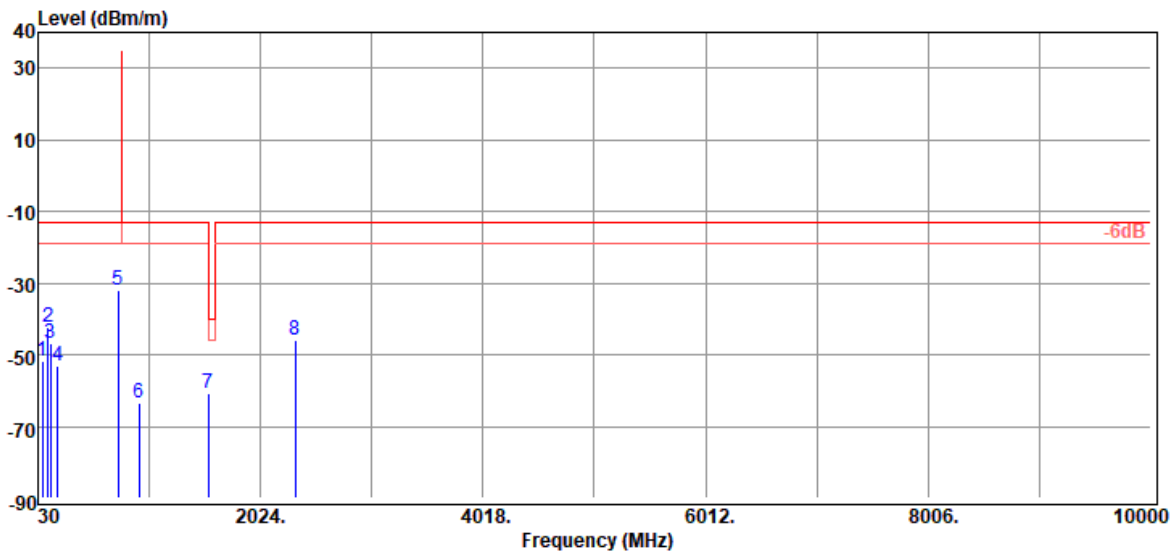
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Radiated Spurious Emission Measurement Result: LTE Band 13 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B13	Temp./Humi.	:22.2/63
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
70.74	-51.84	-43.56	-7.39	-0.89	-13.00	-38.84
117.30	-42.24	-32.95	-7.96	-1.33	-13.00	-29.24
139.61	-46.68	-38.86	-6.28	-1.54	-13.00	-33.68
207.51	-53.01	-50.77	-0.40	-1.84	-13.00	-40.01
750.71	-31.87	-30.00	0.75	-2.62	-13.00	-18.87
938.89	-63.66	-62.32	1.89	-3.23	-13.00	-50.66
1559.00	-60.98	-65.98	8.79	-3.79	-40.00	-20.98
2338.50	-45.92	-51.00	9.61	-4.53	-13.00	-32.92

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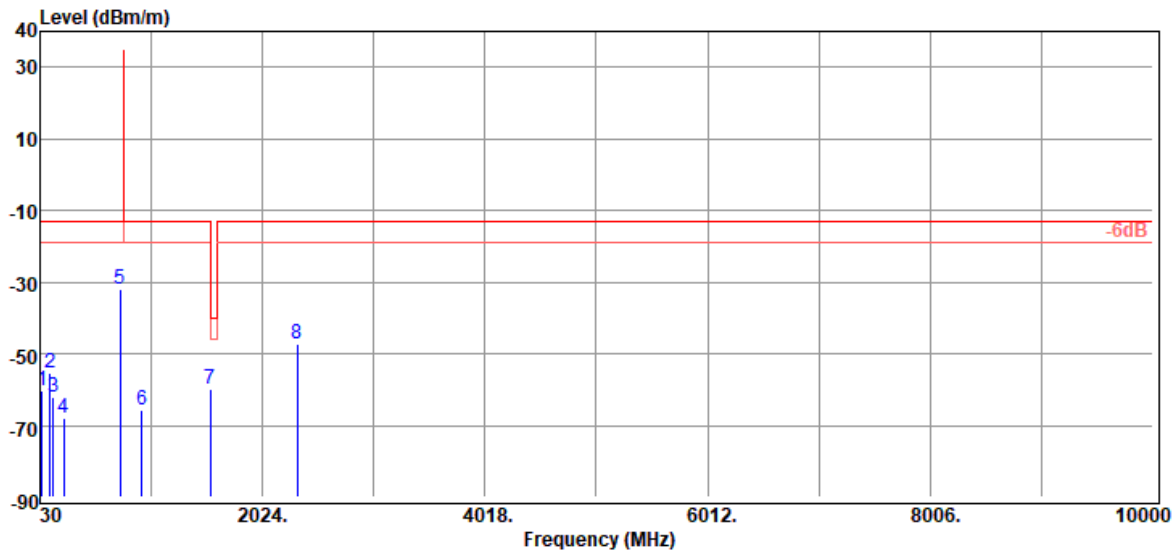
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.55	-60.13	-41.06	-18.33	-0.74	-13.00	-47.13
120.21	-55.38	-46.13	-7.92	-1.33	-13.00	-42.38
151.25	-62.00	-55.92	-4.52	-1.56	-13.00	-49.00
240.49	-67.74	-64.77	-0.98	-1.99	-13.00	-54.74
749.74	-32.03	-30.17	0.75	-2.61	-13.00	-19.03
939.86	-65.67	-64.37	1.92	-3.22	-13.00	-52.67
1559.00	-59.70	-64.70	8.79	-3.79	-40.00	-19.70
2338.50	-47.36	-52.44	9.61	-4.53	-13.00	-34.36

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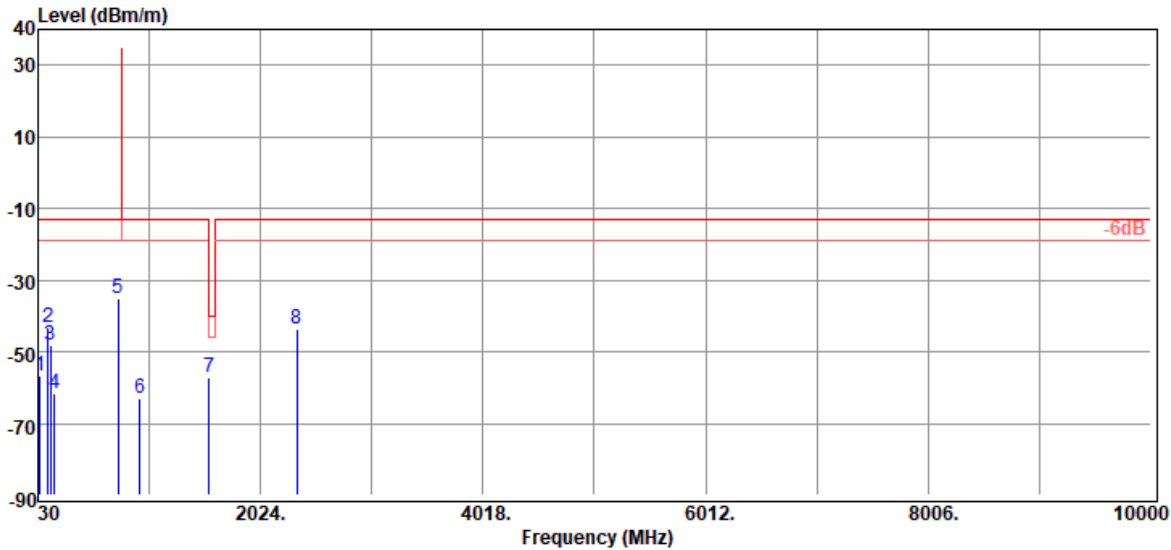
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-56.54	-40.20	-15.60	-0.74	-13.00	-43.54
117.30	-43.12	-33.83	-7.96	-1.33	-13.00	-30.12
139.61	-48.21	-40.39	-6.28	-1.54	-13.00	-35.21
178.41	-61.65	-58.82	-1.21	-1.62	-13.00	-48.65
750.71	-35.11	-33.24	0.75	-2.62	-13.00	-22.11
943.74	-63.17	-61.76	1.81	-3.22	-13.00	-50.17
1564.00	-57.07	-62.17	8.84	-3.74	-40.00	-17.07
2346.00	-43.75	-48.88	9.67	-4.54	-13.00	-30.75

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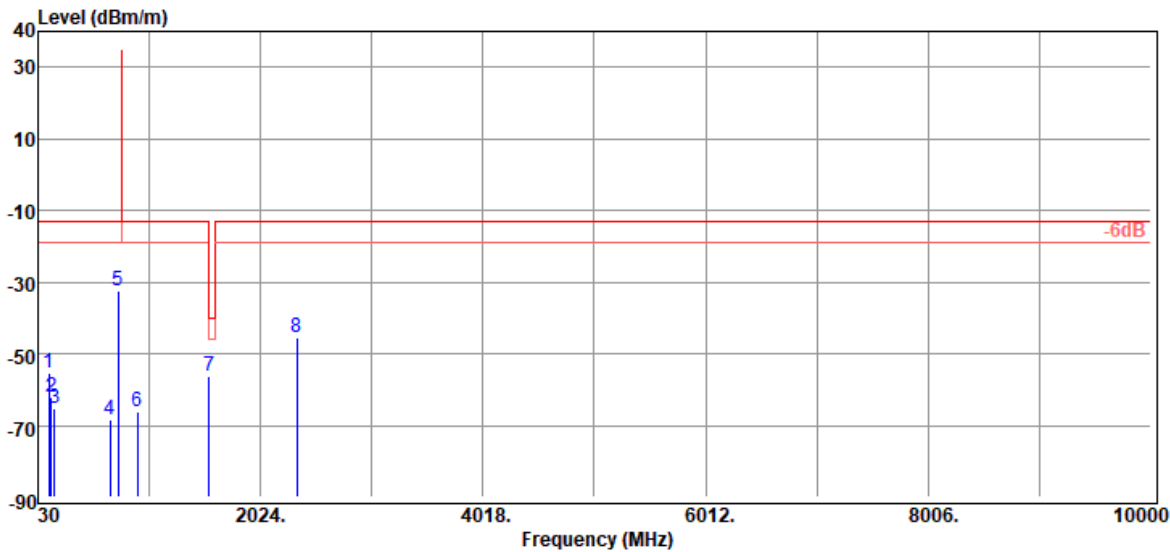
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
124.09	-55.52	-46.34	-7.76	-1.42	-13.00	-42.52
151.25	-62.01	-55.93	-4.52	-1.56	-13.00	-49.01
178.41	-65.35	-62.52	-1.21	-1.62	-13.00	-52.35
673.11	-68.26	-66.55	0.67	-2.38	-13.00	-55.26
749.74	-32.26	-30.40	0.75	-2.61	-13.00	-19.26
917.55	-66.17	-64.53	1.62	-3.26	-13.00	-53.17
1564.00	-56.23	-61.33	8.84	-3.74	-40.00	-16.23
2346.00	-45.58	-50.71	9.67	-4.54	-13.00	-32.58

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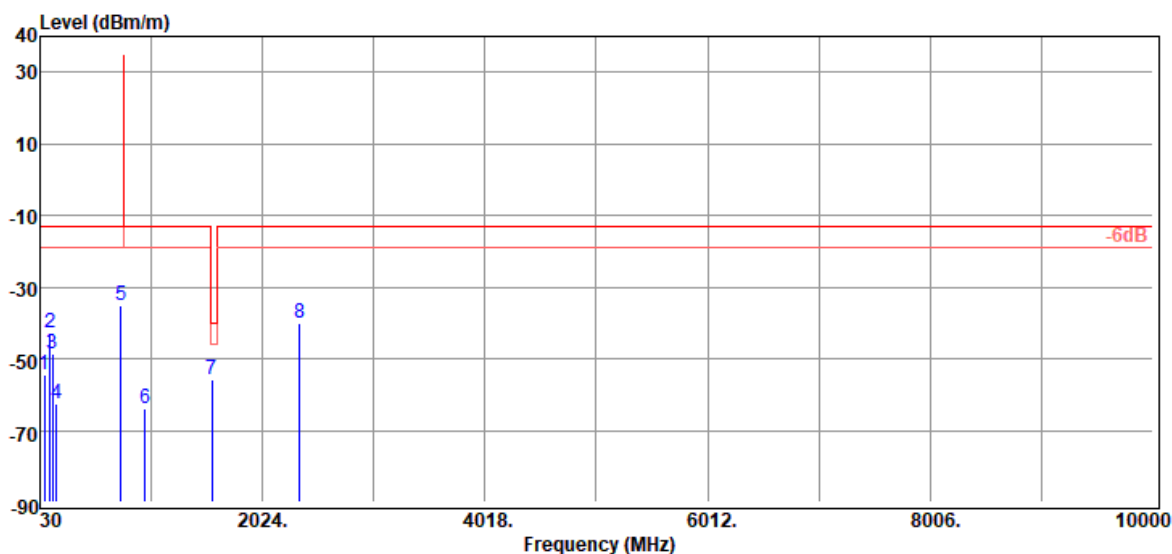
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
70.74	-54.55	-46.27	-7.39	-0.89	-13.00	-41.55
120.21	-42.73	-33.48	-7.92	-1.33	-13.00	-29.73
138.64	-48.82	-40.88	-6.40	-1.54	-13.00	-35.82
178.41	-62.64	-59.81	-1.21	-1.62	-13.00	-49.64
752.65	-35.16	-33.27	0.74	-2.63	-13.00	-22.16
970.90	-63.80	-61.75	1.59	-3.64	-13.00	-50.80
1569.00	-55.90	-61.10	8.89	-3.69	-40.00	-15.90
2353.50	-40.24	-45.43	9.73	-4.54	-13.00	-27.24

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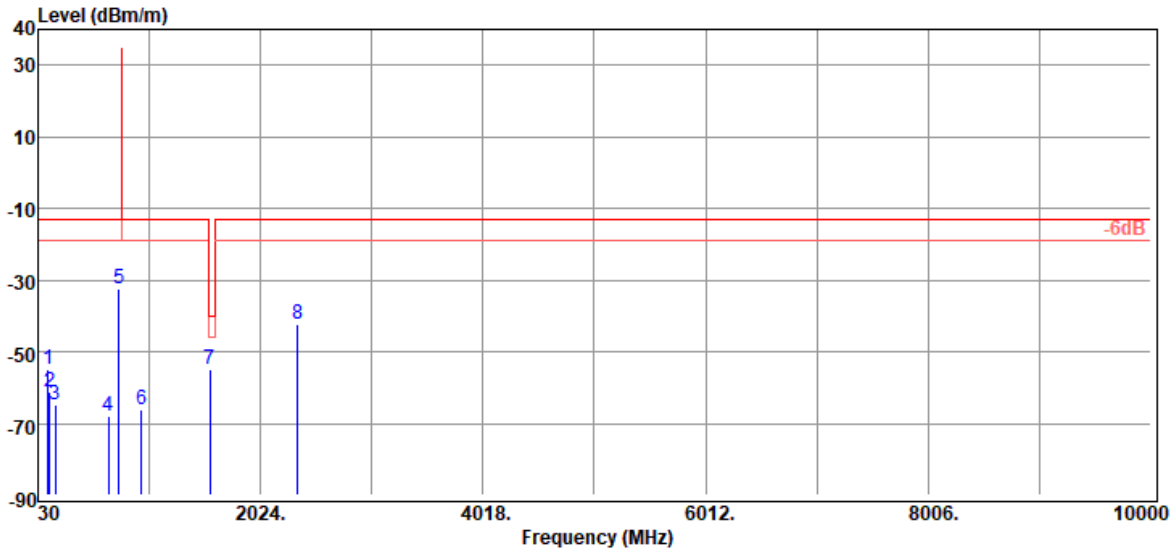
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
119.24	-55.13	-45.79	-8.01	-1.33	-13.00	-42.13
136.70	-61.36	-53.16	-6.66	-1.54	-13.00	-48.36
182.29	-64.66	-62.08	-0.93	-1.65	-13.00	-51.66
663.41	-68.01	-65.97	0.23	-2.27	-13.00	-55.01
752.65	-32.32	-30.43	0.74	-2.63	-13.00	-19.32
953.44	-66.07	-64.43	1.74	-3.38	-13.00	-53.07
1569.00	-54.72	-59.92	8.89	-3.69	-40.00	-14.72
2353.50	-42.45	-47.64	9.73	-4.54	-13.00	-29.45

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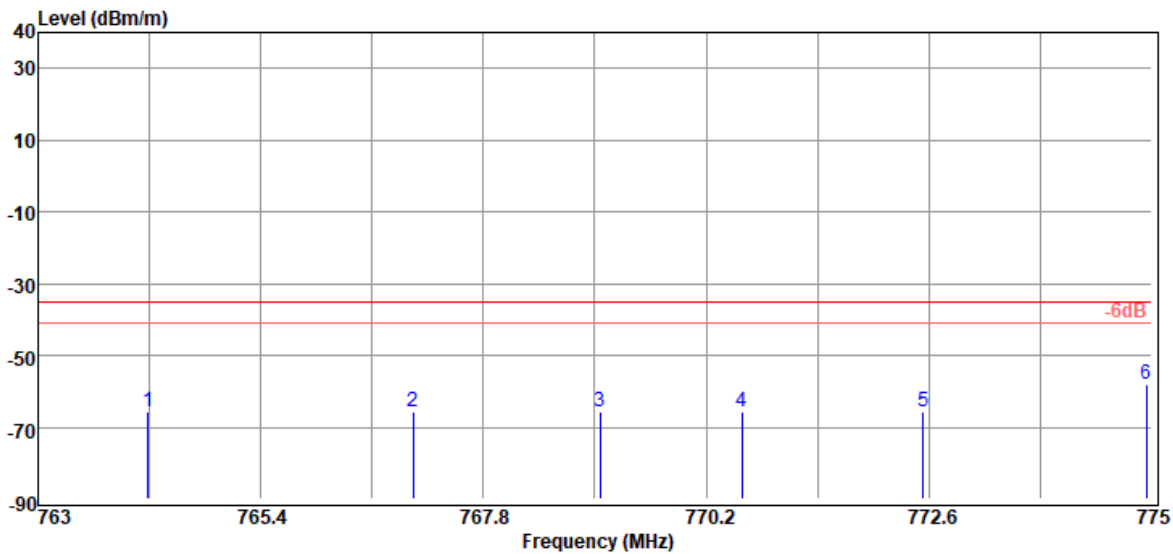
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Radiated Spurious Emission Measurement Result: LTE Band 13 Mode (763-775MHz)

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B13	Temp./Humi.	:22.2/63
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.19	-65.91	-64.04	0.82	-2.69	-35.00	-30.91
767.04	-65.82	-63.94	0.81	-2.69	-35.00	-30.82
769.06	-65.84	-63.95	0.80	-2.69	-35.00	-30.84
770.58	-65.72	-63.78	0.77	-2.71	-35.00	-30.72
772.54	-65.78	-63.72	0.72	-2.78	-35.00	-30.78
774.94	-58.05	-55.83	0.65	-2.87	-35.00	-23.05

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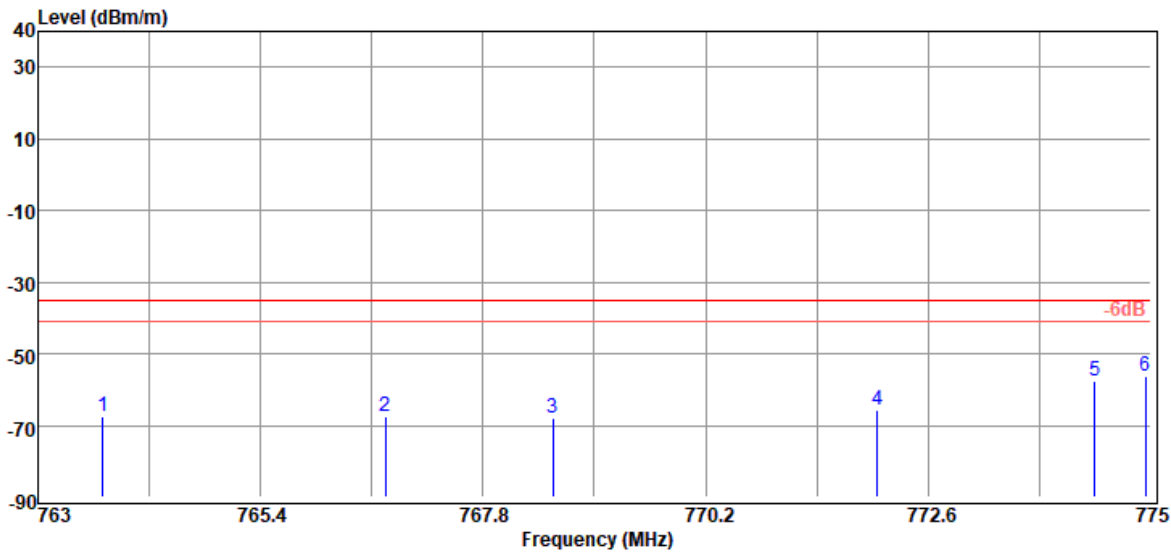
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.70	-67.39	-65.52	0.82	-2.69	-35.00	-32.39
766.74	-67.66	-65.79	0.82	-2.69	-35.00	-32.66
768.56	-67.77	-65.88	0.80	-2.69	-35.00	-32.77
772.05	-65.66	-63.62	0.73	-2.77	-35.00	-30.66
774.40	-57.60	-55.42	0.67	-2.85	-35.00	-22.60
774.94	-56.33	-54.11	0.65	-2.87	-35.00	-21.33

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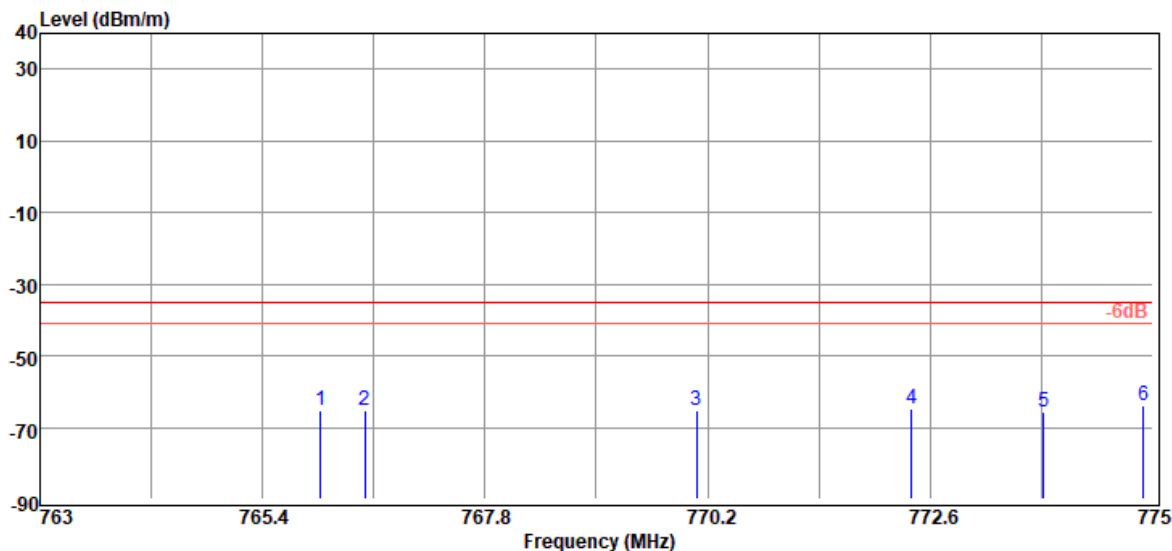
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
766.02	-65.19	-63.32	0.82	-2.69	-35.00	-30.19
766.50	-65.19	-63.32	0.82	-2.69	-35.00	-30.19
770.08	-65.18	-63.28	0.79	-2.69	-35.00	-30.18
772.40	-64.98	-62.92	0.72	-2.78	-35.00	-29.98
773.82	-65.92	-63.77	0.68	-2.83	-35.00	-30.92
774.90	-63.96	-61.74	0.65	-2.87	-35.00	-28.96

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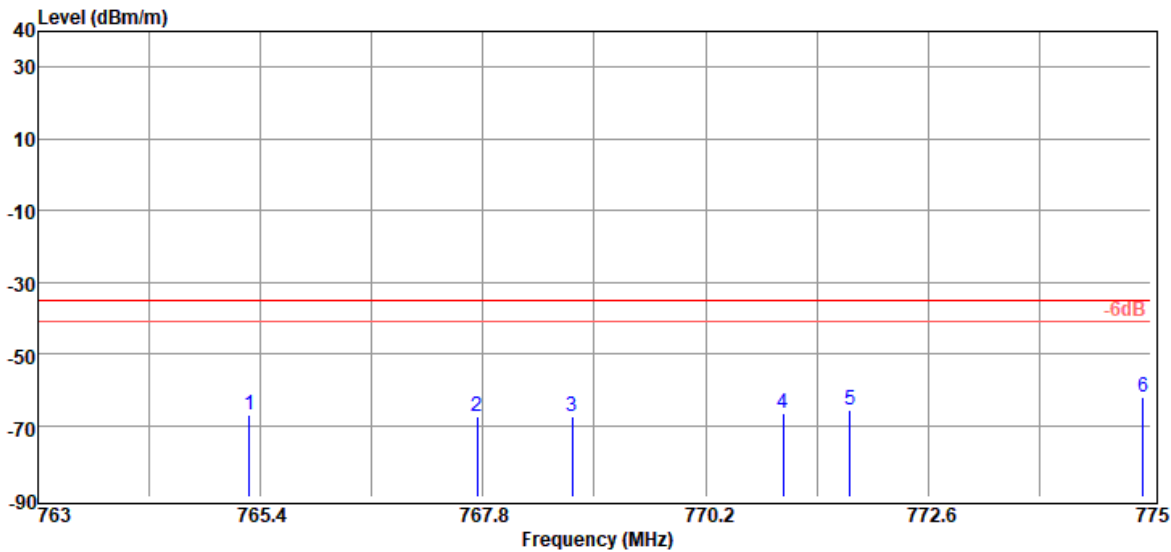
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin


Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
765.28	-66.99	-65.13	0.83	-2.69	-35.00	-31.99
767.74	-67.63	-65.75	0.81	-2.69	-35.00	-32.63
768.76	-67.43	-65.54	0.80	-2.69	-35.00	-32.43
771.04	-66.44	-64.47	0.76	-2.73	-35.00	-31.44
771.76	-65.82	-63.80	0.74	-2.76	-35.00	-30.82
774.92	-62.27	-60.05	0.65	-2.87	-35.00	-27.27

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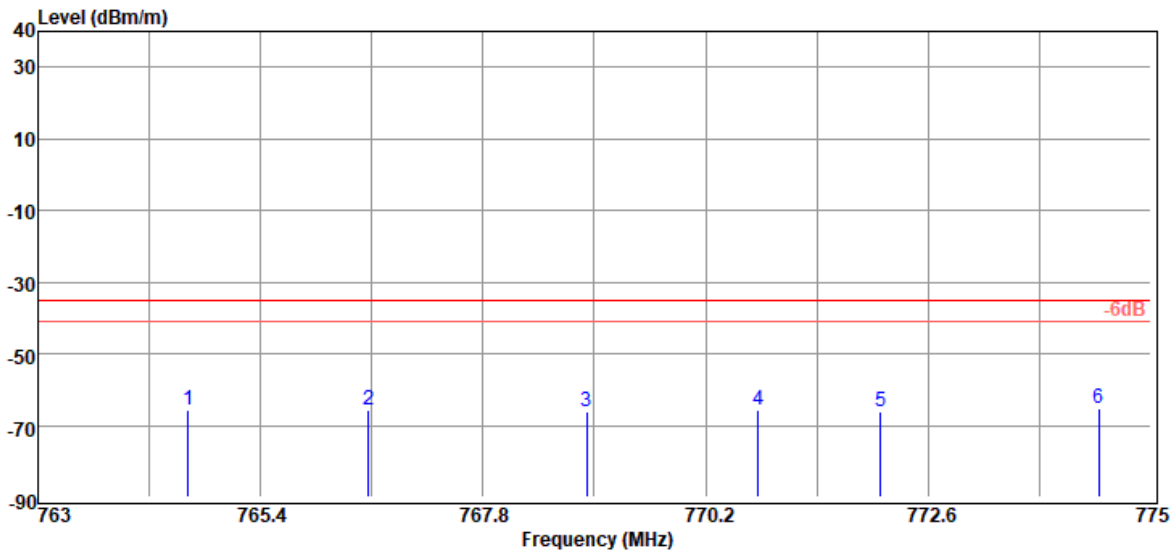
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.62	-65.53	-63.67	0.83	-2.69	-35.00	-30.53
766.56	-65.73	-63.86	0.82	-2.69	-35.00	-30.73
768.92	-66.12	-64.23	0.80	-2.69	-35.00	-31.12
770.76	-65.89	-63.94	0.77	-2.72	-35.00	-30.89
772.08	-66.09	-64.05	0.73	-2.77	-35.00	-31.09
774.44	-65.13	-62.95	0.67	-2.85	-35.00	-30.13

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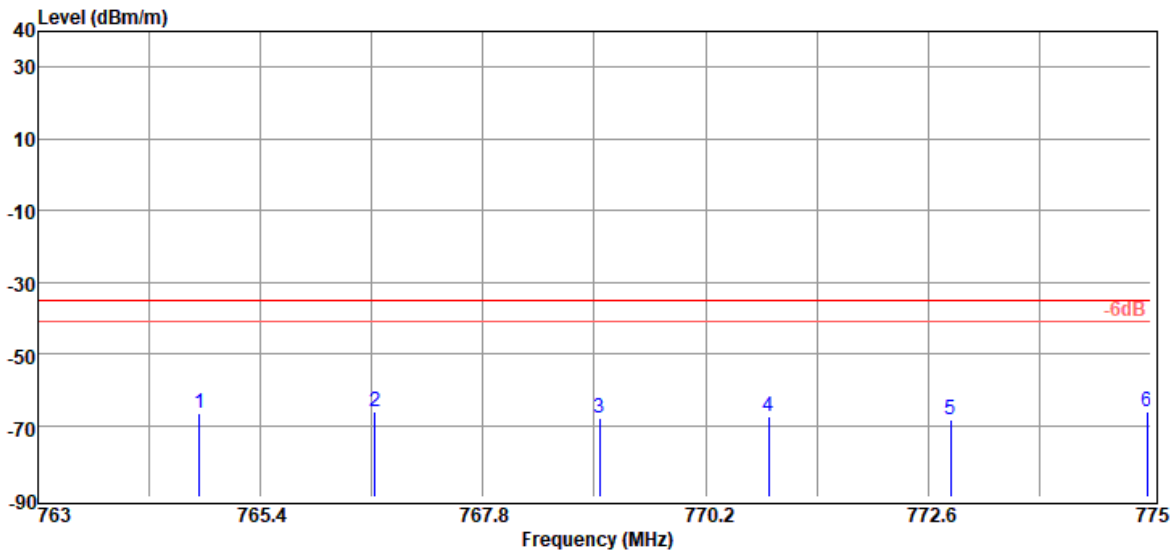
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.74	-66.59	-64.73	0.83	-2.69	-35.00	-31.59
766.64	-66.31	-64.44	0.82	-2.69	-35.00	-31.31
769.06	-67.91	-66.02	0.80	-2.69	-35.00	-32.91
770.88	-67.36	-65.41	0.77	-2.72	-35.00	-32.36
772.84	-68.26	-66.17	0.71	-2.80	-35.00	-33.26
774.96	-66.12	-63.90	0.65	-2.87	-35.00	-31.12

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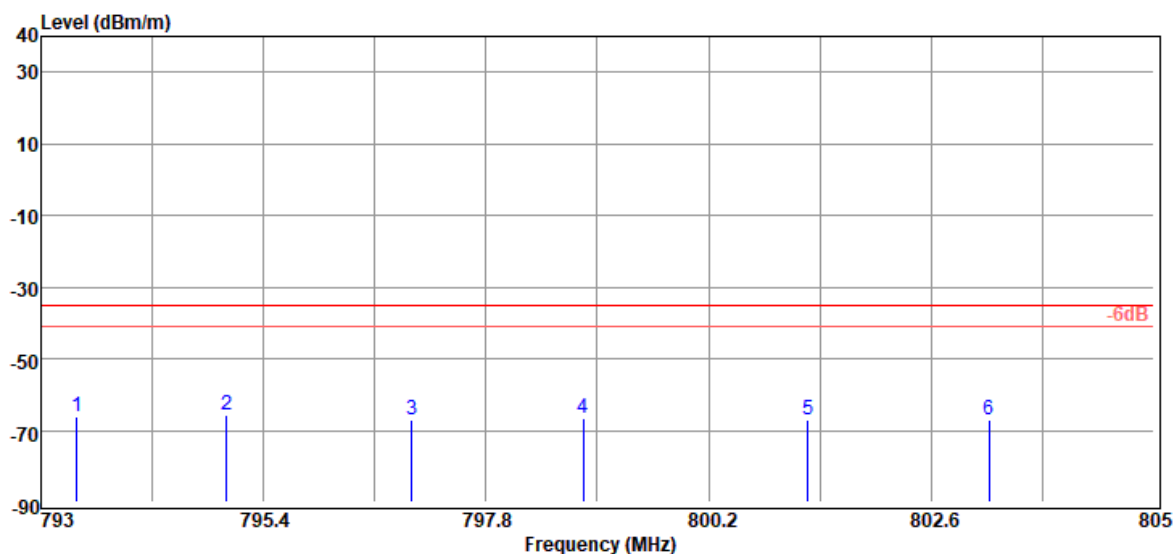
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Radiated Spurious Emission Measurement Result: LTE Band 13 Mode (793-805MHz)

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B13	Temp./Humi.	:22.2/63
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.38	-66.31	-64.27	0.88	-2.92	-35.00	-31.31
795.00	-65.80	-63.82	0.87	-2.85	-35.00	-30.80
797.00	-66.95	-65.11	0.93	-2.77	-35.00	-31.95
798.84	-66.76	-65.06	0.99	-2.69	-35.00	-31.76
801.27	-67.27	-65.67	1.04	-2.64	-35.00	-32.27
803.22	-67.06	-65.48	1.06	-2.64	-35.00	-32.06

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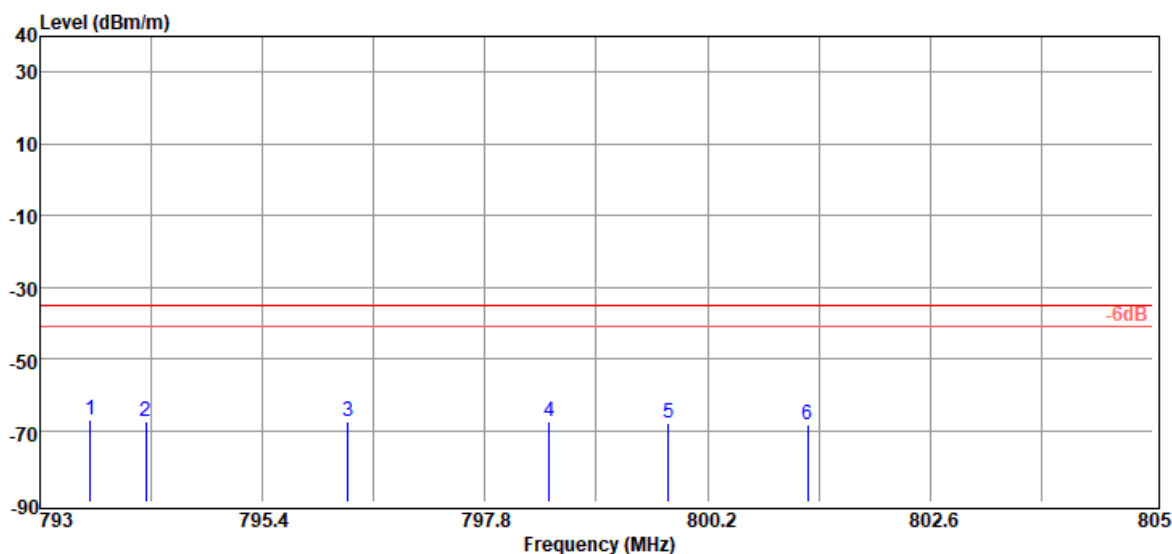
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.54	-67.23	-65.20	0.88	-2.91	-35.00	-32.23
794.14	-67.66	-65.65	0.88	-2.89	-35.00	-32.66
796.32	-67.52	-65.64	0.91	-2.79	-35.00	-32.52
798.50	-67.60	-65.87	0.97	-2.70	-35.00	-32.60
799.78	-68.10	-66.46	1.01	-2.65	-35.00	-33.10
801.28	-68.31	-66.71	1.04	-2.64	-35.00	-33.31

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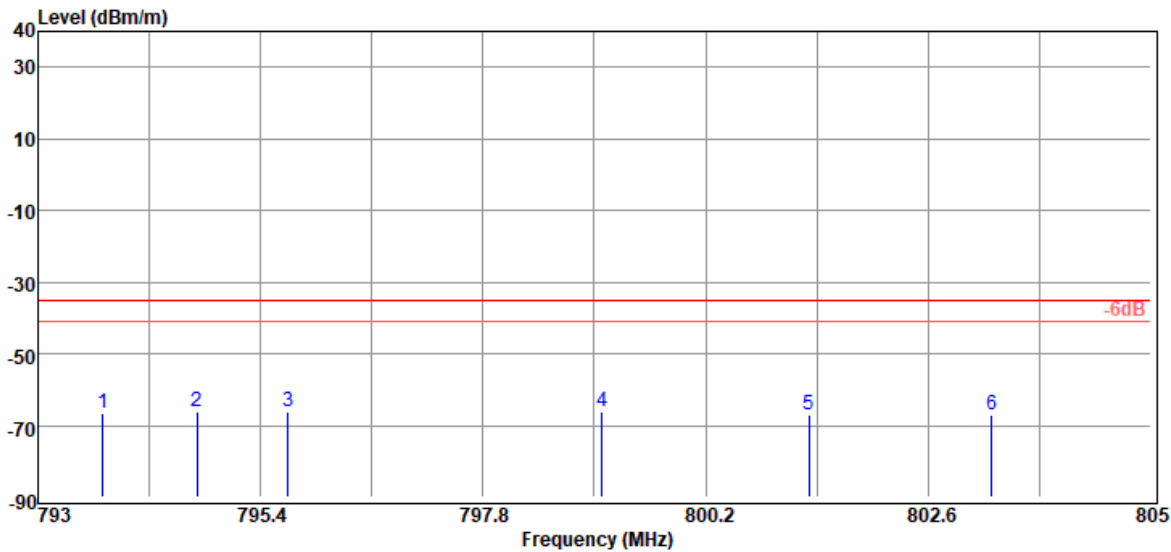
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Member of SGS Group

Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.70	-66.72	-64.70	0.88	-2.90	-35.00	-31.72
794.72	-66.30	-64.31	0.87	-2.86	-35.00	-31.30
795.70	-66.07	-64.14	0.89	-2.82	-35.00	-31.07
799.08	-66.32	-64.63	0.99	-2.68	-35.00	-31.32
801.32	-66.85	-65.25	1.04	-2.64	-35.00	-31.85
803.28	-67.03	-65.45	1.06	-2.64	-35.00	-32.03

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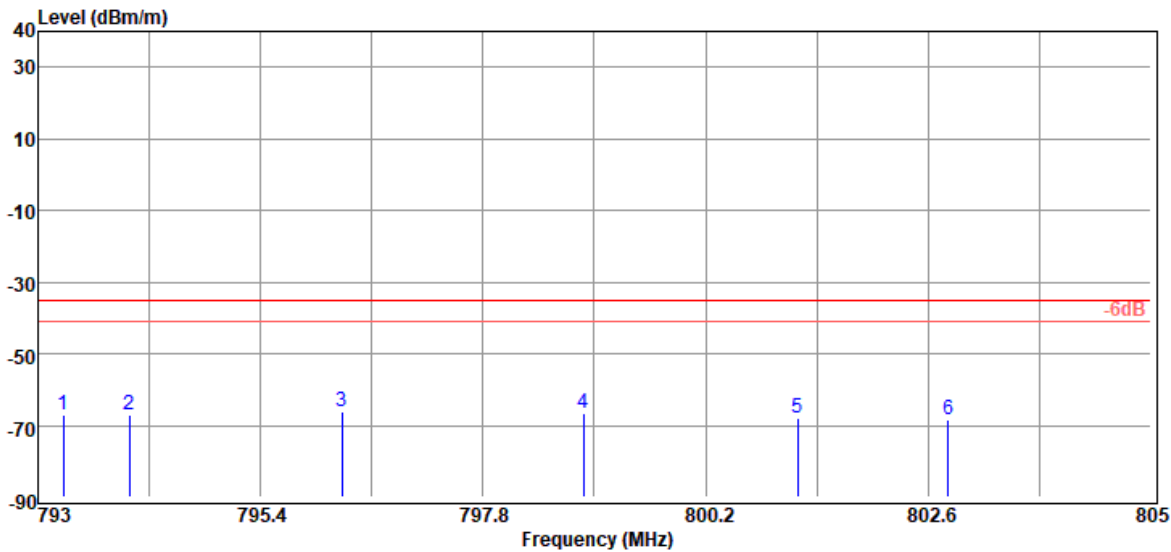
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.28	-67.13	-65.09	0.88	-2.92	-35.00	-32.13
793.98	-66.98	-64.97	0.88	-2.89	-35.00	-31.98
796.28	-66.15	-64.26	0.91	-2.80	-35.00	-31.15
798.88	-66.49	-64.79	0.99	-2.69	-35.00	-31.49
801.20	-68.10	-66.49	1.03	-2.64	-35.00	-33.10
802.82	-68.46	-66.87	1.05	-2.64	-35.00	-33.46

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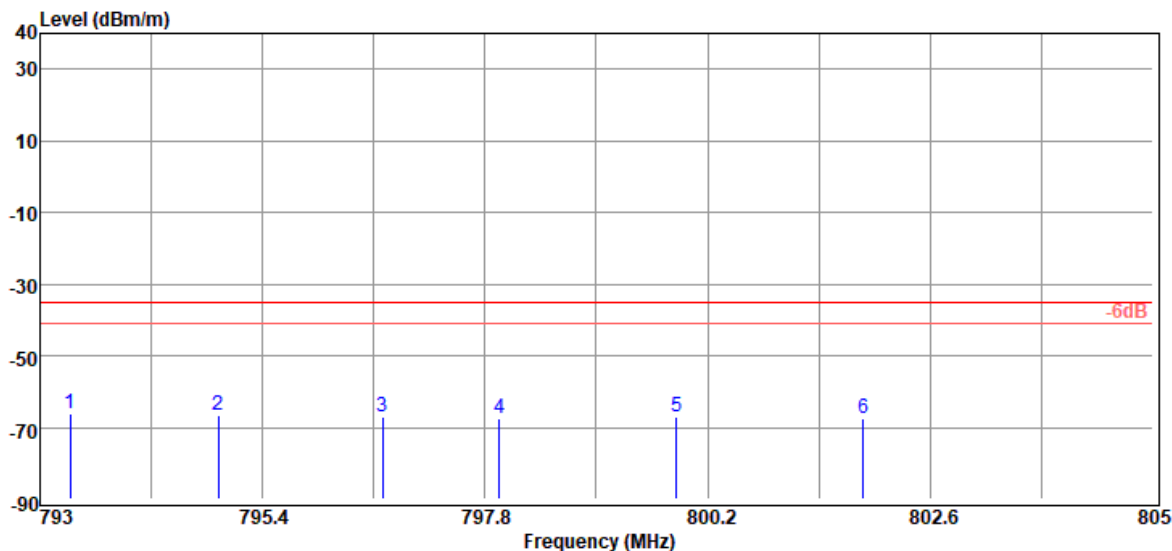
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.32	-66.03	-63.99	0.88	-2.92	-35.00	-31.03
794.92	-66.64	-64.66	0.87	-2.85	-35.00	-31.64
796.70	-66.86	-65.00	0.92	-2.78	-35.00	-31.86
797.96	-67.47	-65.70	0.96	-2.73	-35.00	-32.47
799.86	-66.84	-65.21	1.02	-2.65	-35.00	-31.84
801.88	-67.31	-65.71	1.04	-2.64	-35.00	-32.31

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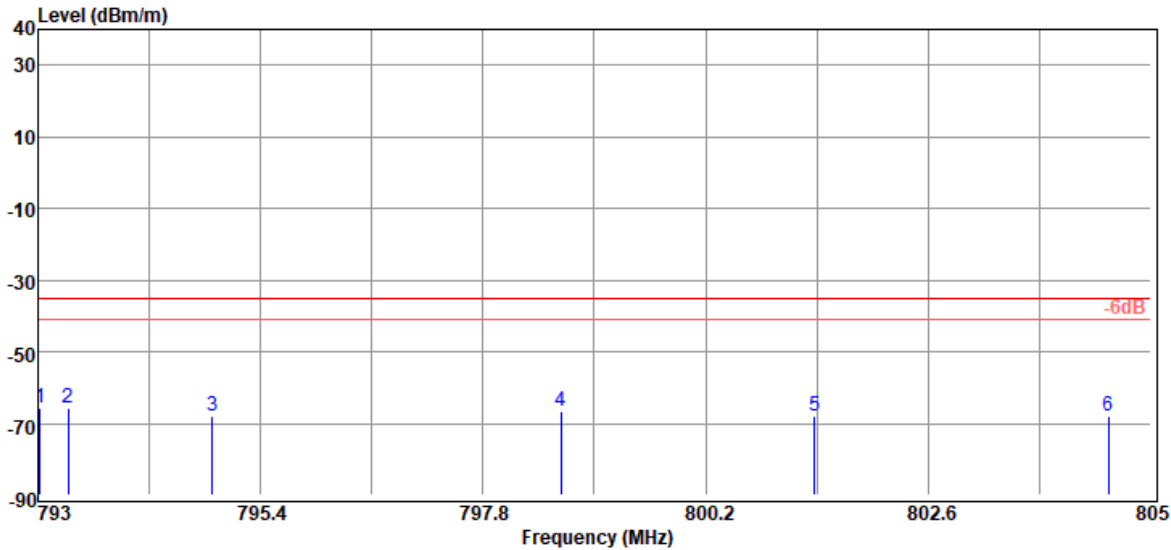
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.02	-65.52	-63.48	0.89	-2.93	-35.00	-30.52
793.32	-65.67	-63.63	0.88	-2.92	-35.00	-30.67
794.88	-67.79	-65.81	0.87	-2.85	-35.00	-32.79
798.64	-66.80	-65.08	0.98	-2.70	-35.00	-31.80
801.38	-67.93	-66.33	1.04	-2.64	-35.00	-32.93
804.54	-68.02	-66.45	1.07	-2.64	-35.00	-33.02

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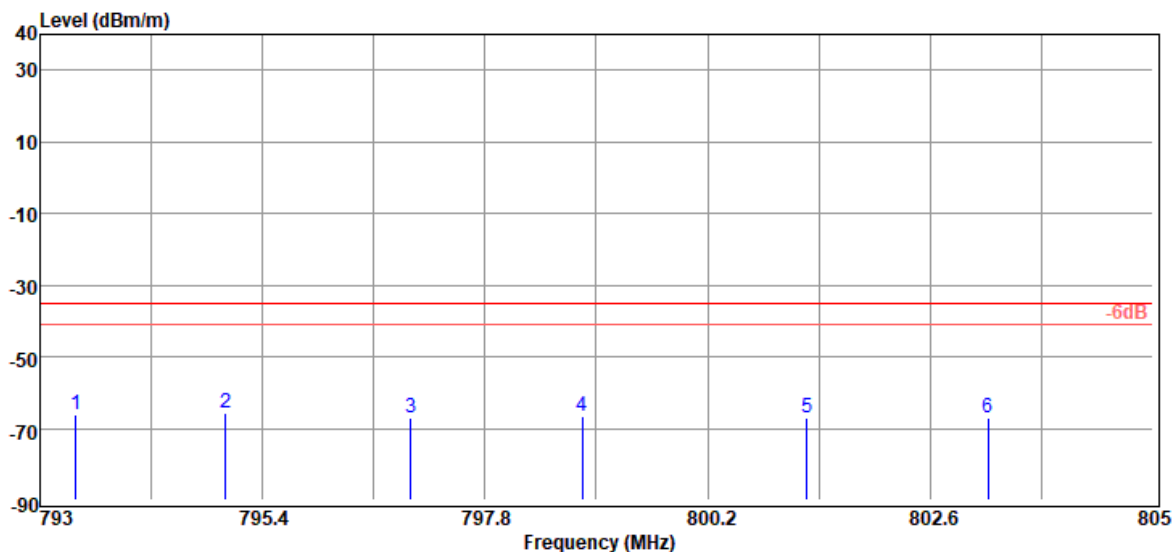
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Radiated Spurious Emission Measurement Result: LTE Band 66 Mode

Report Number	:E2/2019/B0012	Test Date	:2019-12-30
Operation Mode	:LTE B13	Temp./Humi.	:22.2/63
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.38	-66.31	-64.27	0.88	-2.92	-35.00	-31.31
795.00	-65.80	-63.82	0.87	-2.85	-35.00	-30.80
797.00	-66.95	-65.11	0.93	-2.77	-35.00	-31.95
798.84	-66.76	-65.06	0.99	-2.69	-35.00	-31.76
801.27	-67.27	-65.67	1.04	-2.64	-35.00	-32.27
803.22	-67.06	-65.48	1.06	-2.64	-35.00	-32.06

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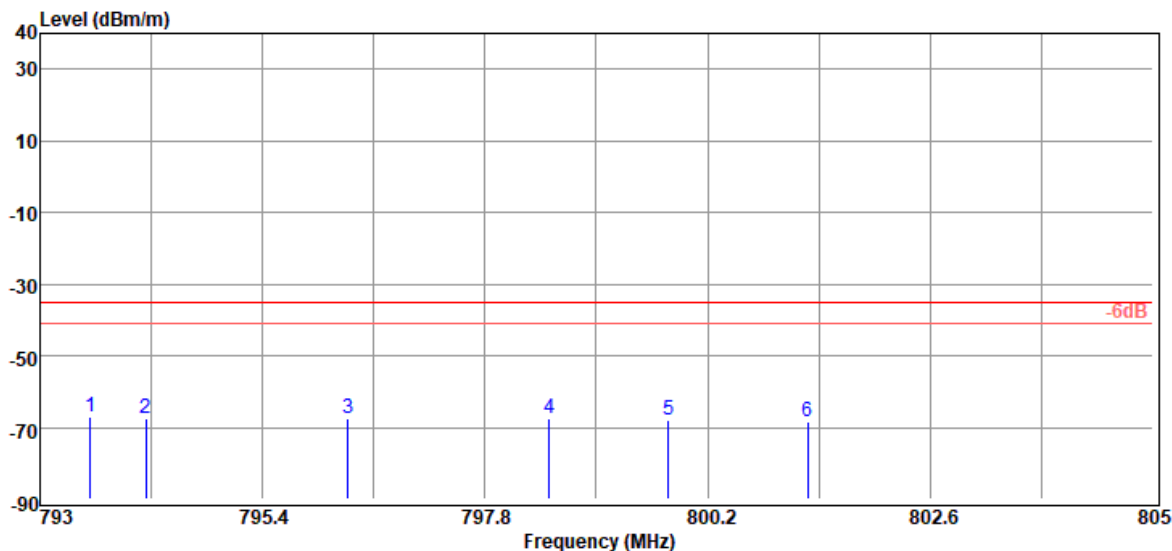
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :779.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.54	-67.23	-65.20	0.88	-2.91	-35.00	-32.23
794.14	-67.66	-65.65	0.88	-2.89	-35.00	-32.66
796.32	-67.52	-65.64	0.91	-2.79	-35.00	-32.52
798.50	-67.60	-65.87	0.97	-2.70	-35.00	-32.60
799.78	-68.10	-66.46	1.01	-2.65	-35.00	-33.10
801.28	-68.31	-66.71	1.04	-2.64	-35.00	-33.31

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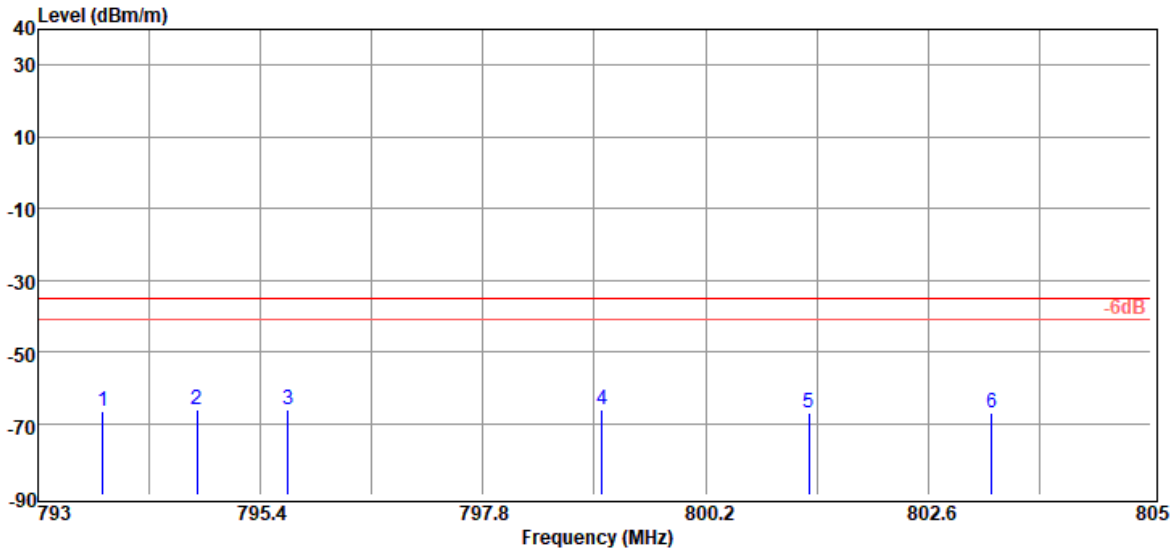
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.70	-66.72	-64.70	0.88	-2.90	-35.00	-31.72
794.72	-66.30	-64.31	0.87	-2.86	-35.00	-31.30
795.70	-66.07	-64.14	0.89	-2.82	-35.00	-31.07
799.08	-66.32	-64.63	0.99	-2.68	-35.00	-31.32
801.32	-66.85	-65.25	1.04	-2.64	-35.00	-31.85
803.28	-67.03	-65.45	1.06	-2.64	-35.00	-32.03

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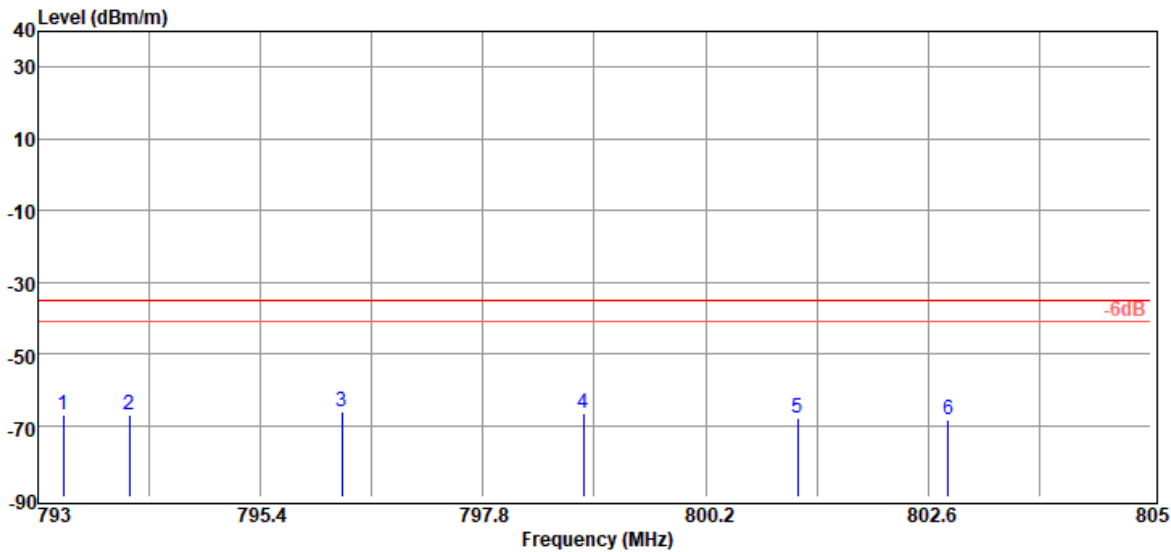
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH MID
EUT Pol :E2 Plan
Test Channel :782 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.28	-67.13	-65.09	0.88	-2.92	-35.00	-32.13
793.98	-66.98	-64.97	0.88	-2.89	-35.00	-31.98
796.28	-66.15	-64.26	0.91	-2.80	-35.00	-31.15
798.88	-66.49	-64.79	0.99	-2.69	-35.00	-31.49
801.20	-68.10	-66.49	1.03	-2.64	-35.00	-33.10
802.82	-68.46	-66.87	1.05	-2.64	-35.00	-33.46

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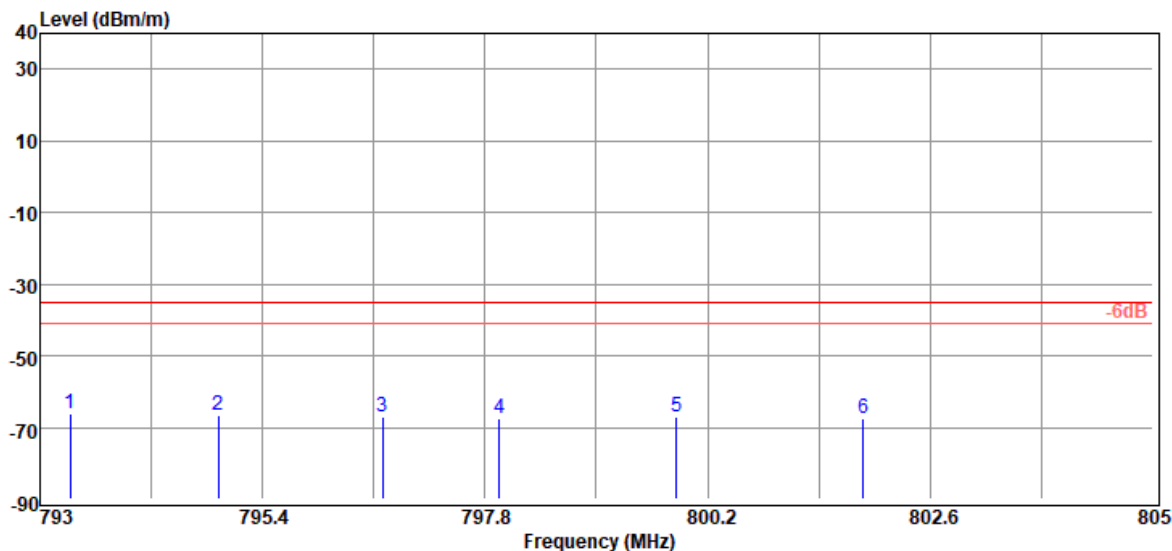
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.32	-66.03	-63.99	0.88	-2.92	-35.00	-31.03
794.92	-66.64	-64.66	0.87	-2.85	-35.00	-31.64
796.70	-66.86	-65.00	0.92	-2.78	-35.00	-31.86
797.96	-67.47	-65.70	0.96	-2.73	-35.00	-32.47
799.86	-66.84	-65.21	1.02	-2.65	-35.00	-31.84
801.88	-67.31	-65.71	1.04	-2.64	-35.00	-32.31

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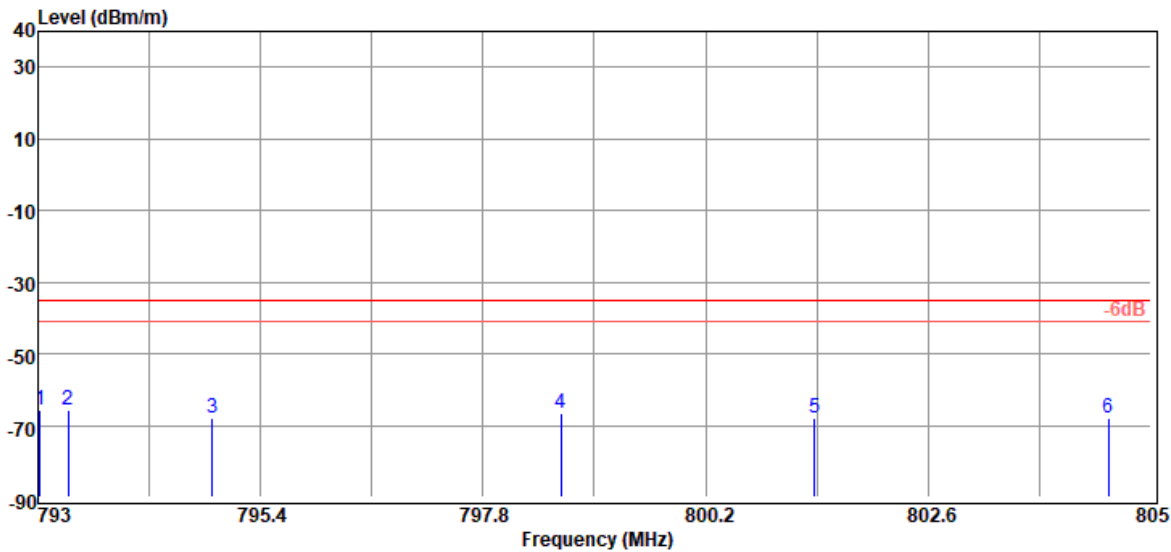
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Report Number :E2/2019/B0012
Operation Mode :LTE B13
Test Mode :TX CH HIGH
EUT Pol :E2 Plan
Test Channel :784.5 MHz

Test Date :2019-12-30
Temp./Humi. :22.2/63
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.02	-65.52	-63.48	0.89	-2.93	-35.00	-30.52
793.32	-65.67	-63.63	0.88	-2.92	-35.00	-30.67
794.88	-67.79	-65.81	0.87	-2.85	-35.00	-32.79
798.64	-66.80	-65.08	0.98	-2.70	-35.00	-31.80
801.38	-67.93	-66.33	1.04	-2.64	-35.00	-32.93
804.54	-68.02	-66.45	1.07	-2.64	-35.00	-33.02

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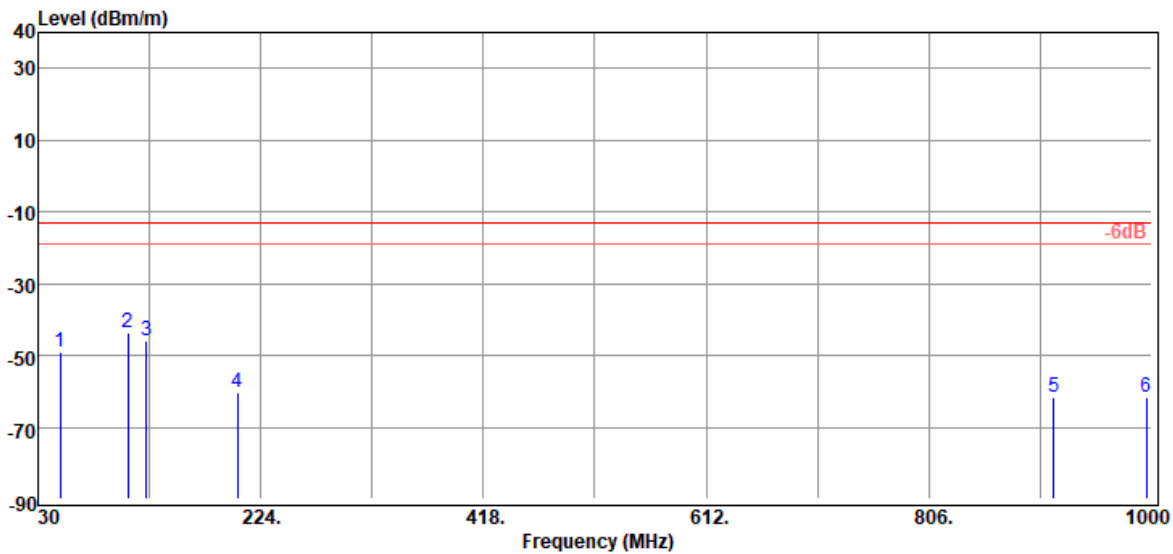
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PCB 2nd Source Spot Check

Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1860 MHz

Test Date :2020-01-17
Temp./Humi. :22.6/64
Antenna Pol. :VERTICAL
Engineer :Kailin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
49.40	-49.27	-34.94	-13.59	-0.74	-13.00	-36.27
108.57	-43.57	-34.62	-7.64	-1.31	-13.00	-30.57
124.09	-45.69	-36.51	-7.76	-1.42	-13.00	-32.69
203.63	-60.16	-57.81	-0.51	-1.84	-13.00	-47.16
914.64	-61.50	-59.89	1.59	-3.20	-13.00	-48.50
995.15	-61.45	-59.77	1.72	-3.40	-13.00	-48.45

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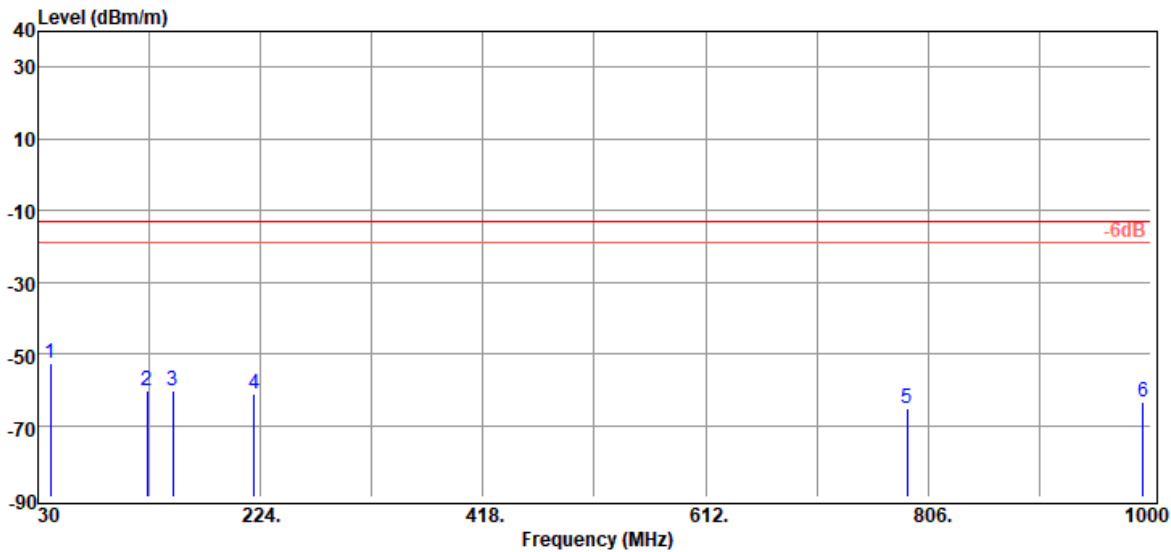
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Report Number :E2/2019/B0012
Operation Mode :LTE B2
Test Mode :TX CH LOW
EUT Pol :E2 Plan
Test Channel :1860 MHz

Test Date :2020-01-17
Temp./Humi. :22.6/64
Antenna Pol. :HORIZONTAL
Engineer :Kailin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.67	-52.52	-29.86	-21.92	-0.74	-13.00	-39.52
125.06	-60.09	-50.95	-7.70	-1.44	-13.00	-47.09
147.37	-60.53	-53.79	-5.19	-1.55	-13.00	-47.53
218.18	-61.00	-59.38	0.31	-1.93	-13.00	-48.00
787.57	-65.34	-63.12	0.84	-3.06	-13.00	-52.34
993.21	-63.36	-61.62	1.63	-3.37	-13.00	-50.36

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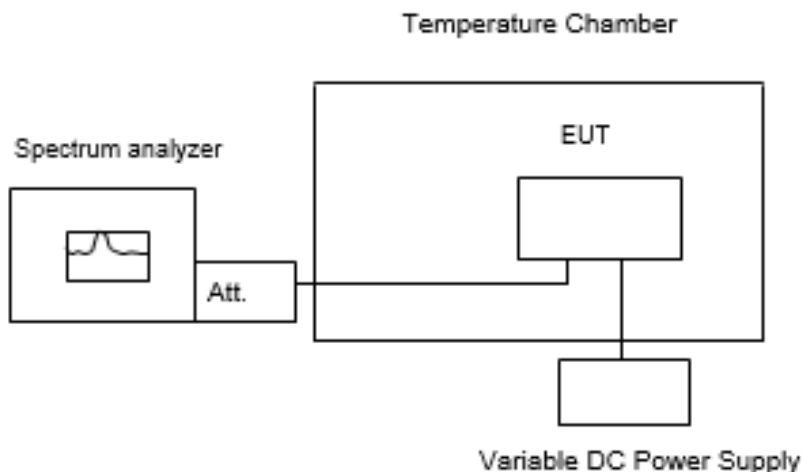
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10 FREQUENCY STABILITY MEASUREMENT

10.1 Standard Applicable

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

10.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

10.3 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°C. 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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10.4 Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/06/2019	03/05/2020
DC Power Supply	Agilent	E3640A	MY53140006	05/31/2019	05/30/2020
Radio Communication Analyzer	Anritsu	MT8820C	6201107337	07/17/2019	07/16/2020
Splitter	Marvelous	MVE8586	RF265	11/20/2019	11/19/2020
DC Block	PASTERNAK	PE8210	RF256	11/20/2019	11/19/2020
Attenuator	Marvelous	WATT-218FS-10	RF268	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF219	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF207	11/20/2019	11/19/2020

10.5 Measurement Result

Reference Freq.: LTE B2 Mid Channel 1880 MHz 20M QPSK CH 18900				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
13.8	25	1880.000013	13	4700
12	25	1880.000010	10	4700
10.2	25	1880.000007	7	4700
10 (End Point)	25	1880.000003	3	4700
Freq. ERROR vs. Temp.				
12	-30	1880.000012	12	4700
12	-20	1880.000009	9	4700
12	-10	1880.000008	8	4700
12	0	1880.000005	5	4700
12	10	1880.000006	6	4700
12	20	1880.000001	1	4700
12	30	1879.999998	-2	4700
12	40	1880.000003	3	4700
12	50	1879.999996	-4	4700

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Reference Freq.:		LTE B4 Mid Channel		1732.5	MHz 20M QPSK CH 20175
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	1732.500012	12	4331	
12	25	1732.500010	10	4331	
10.2	25	1732.500006	6	4331	
10 (End Point)	25	1732.500005	5	4331	
Freq. ERROR vs. Temp.					
12	-30	1732.500011	11	4331	
12	-20	1732.500009	9	4331	
12	-10	1732.500006	6	4331	
12	0	1732.500004	4	4331	
12	10	1732.500001	1	4331	
12	20	1732.499997	-3	4331	
12	30	1732.499994	-6	4331	
12	40	1732.499995	-5	4331	
12	50	1732.499999	-1	4331	
Reference Freq.:		LTE B5 Mid Channel		836.5	MHz 10M QPSK CH 20525
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	836.500011	11	2091	
12	25	836.500006	6	2091	
10.2	25	836.500004	4	2091	
10 (End Point)	25	836.500003	3	2091	
Freq. ERROR vs. Temp.					
12	-30	836.500010	10	2091	
12	-20	836.500009	9	2091	
12	-10	836.500007	7	2091	
12	0	836.500005	5	2091	
12	10	836.500001	1	2091	
12	20	836.499999	-1	2091	
12	30	836.499996	-4	2091	
12	40	836.499998	-2	2091	
12	50	836.500003	3	2091	

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Reference Freq.:		LTE B13 Mid Channel		782	MHz 10M QPSK CH 23230
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	782.000012	12	1955	
12	25	782.000007	7	1955	
10.2	25	782.000004	4	1955	
10 (End Point)	25	782.000003	3	1955	
Freq. ERROR vs. Temp.					
12	-30	782.000011	11	1955	
12	-20	782.000008	8	1955	
12	-10	782.000004	4	1955	
12	0	782.000000	0	1955	
12	10	781.999998	-2	1955	
12	20	781.999995	-5	1955	
12	30	781.999999	-1	1955	
12	40	782.000001	1	1955	
12	50	781.999997	-3	1955	

Reference Freq.:		LTE B66 Mid Channel		1745	MHz 10M QPSK CH 132322
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
13.8	25	1745.000010	10	6488	
12	25	1745.000006	6	6488	
10.2	25	1745.000004	4	6488	
10 (End Point)	25	1745.000002	2	6488	
Freq. ERROR vs. Temp.					
12	-30	1745.000009	9	6488	
12	-20	1745.000004	4	6488	
12	-10	1745.000001	1	6488	
12	0	1744.999998	-2	6488	
12	10	1744.999996	-4	6488	
12	20	1744.999999	-1	6488	
12	30	1745.000003	3	6488	
12	40	1745.000000	0	6488	
12	50	1744.999997	-3	6488	

Note: The battery is rated 12Vdc.

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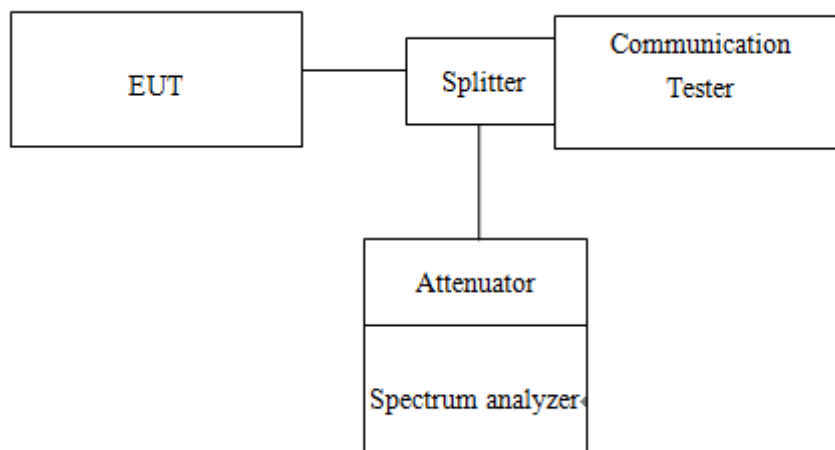
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11 PEAK TO AVERAGE RATIO

11.1 Standard Applicable

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

11.2 Test SET-UP



11.3 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.

11.4 Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/06/2019	03/05/2020
DC Power Supply	Agilent	E3640A	MY53140006	05/31/2019	05/30/2020
Radio Communication Analyzer	Anritsu	MT8820C	6201107337	07/17/2019	07/16/2020
Splitter	Marvelous	MVE8586	RF265	11/20/2019	11/19/2020
DC Block	PASTERNAK	PE8210	RF256	11/20/2019	11/19/2020
Attenuator	Marvelous	WATT-218FS-10	RF268	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF219	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF207	11/20/2019	11/19/2020

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11.5 Measurement Result

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1850.7	18607	6.69	13	1851.5	18615	6.61	13
1880.0	18900	6.66	13	1880.0	18900	6.42	13
1909.3	19193	6.71	13	1908.5	19185	6.47	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1852.5	18625	6.56	13	1855.0	18650	6.41	13
1880.0	18900	6.52	13	1880.0	18900	6.33	13
1907.5	19175	6.51	13	1905.0	19150	6.42	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1857.5	18675	6.79	13	1860.0	18700	7.19	13
1880.0	18900	6.86	13	1880.0	18900	7.39	13
1902.5	19125	6.86	13	1900.0	19100	7.24	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)	
		64QAM	Limit			64QAM	Limit
1710.7	19957	6.47	13	1711.5	19965	6.42	13
1732.5	20175	6.53	13	1732.5	20175	6.46	13
1754.3	20393	6.38	13	1753.5	20385	5.85	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1712.5	19957	6.41	13	1715.0	20000	6.26	13
1732.5	20175	6.44	13	1732.5	20175	6.35	13
1752.5	20375	6.38	13	1750.0	20350	6.27	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1717.5	20025	6.80	13	1720.0	20050	7.21	13
1732.5	20175	6.87	13	1732.5	20175	7.11	13
1747.5	20325	6.89	13	1745.0	20300	7.27	13

LTE BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
779.5	23205	6.53	13	782.0	23230	6.34	13
782.0	23230	6.52	13				
784.5	23255	6.52	13				

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LTE BAND 66							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1710.7	131979	6.48	13	1711.5	131987	6.51	13
1745.0	132322	6.45	13	1745.0	132322	6.52	13
1779.3	132665	6.48	13	1778.5	132657	6.46	13

LTE BAND 66							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1712.5	131997	6.43	13	1715.0	132022	6.30	13
1745.0	132322	6.47	13	1745.0	132322	6.32	13
1777.5	132647	6.54	13	1775.0	132622	6.38	13

LTE BAND 66							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1717.5	132047	6.86	13	1720.0	132072	7.31	13
1745.0	132322	6.98	13	1745.0	132322	7.35	13
1772.5	132597	6.89	13	1770.0	132572	7.36	13

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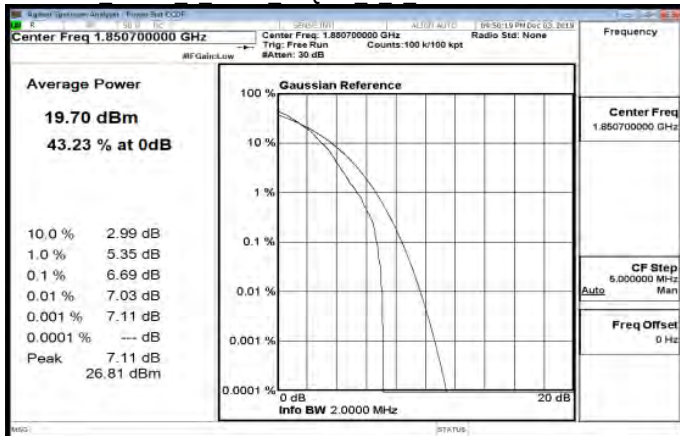
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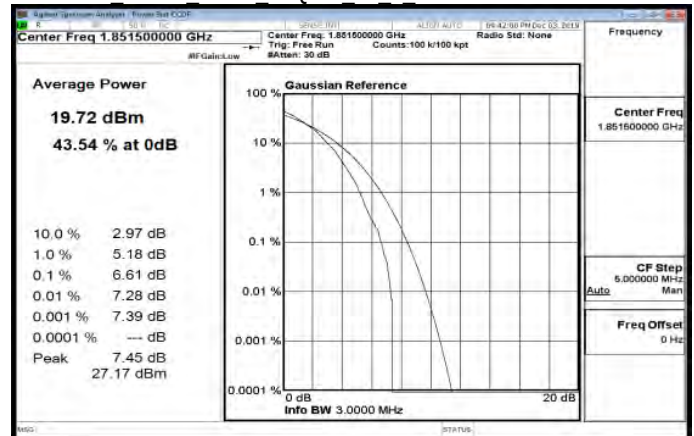
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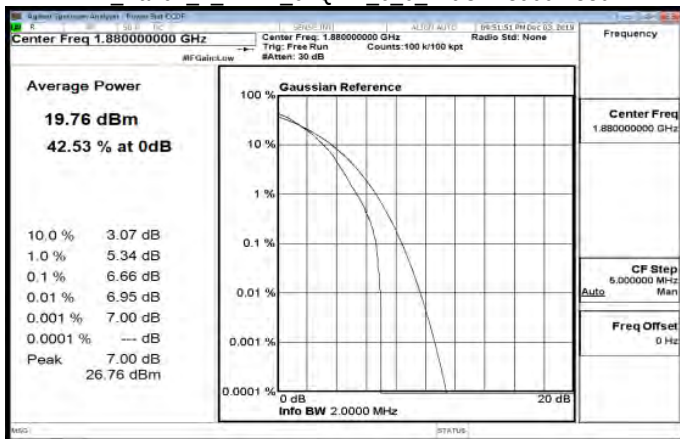
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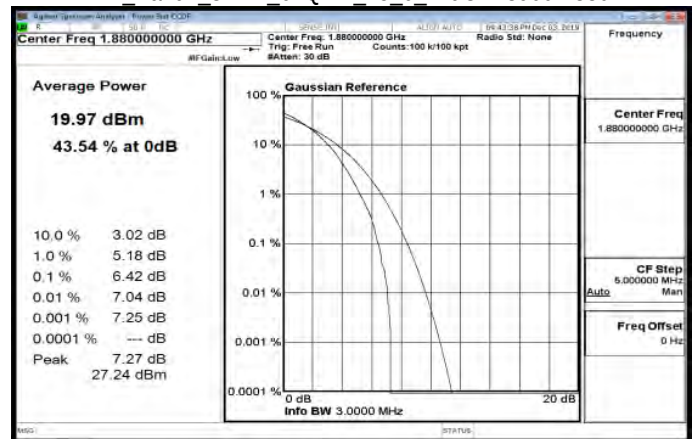
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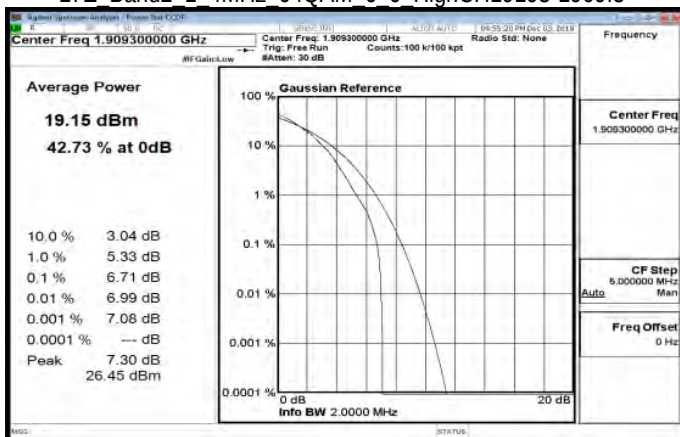
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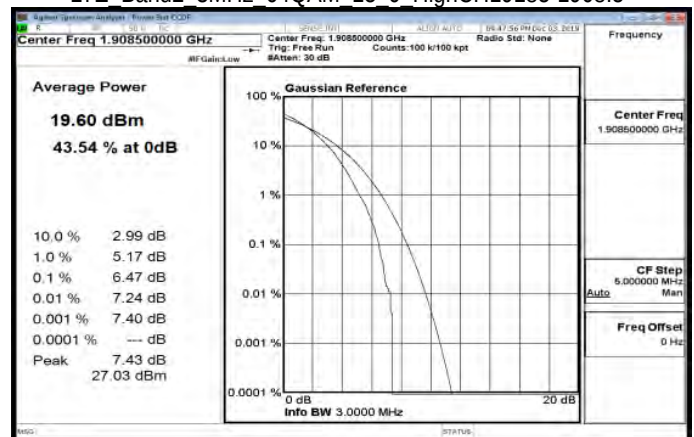
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LTE Band2 3MHz 64QAM 15 0 HighCH19185-1908.5



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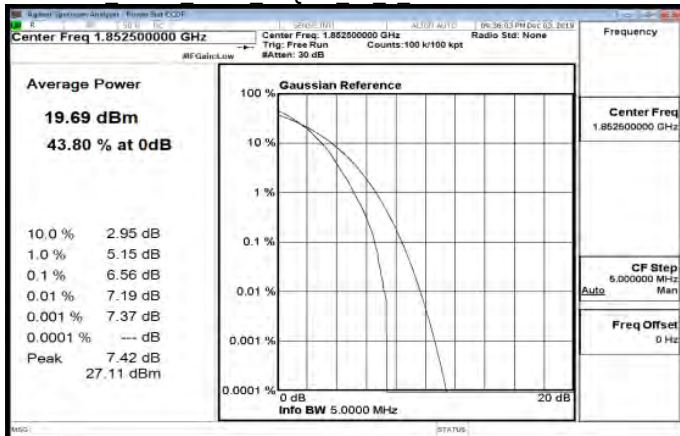
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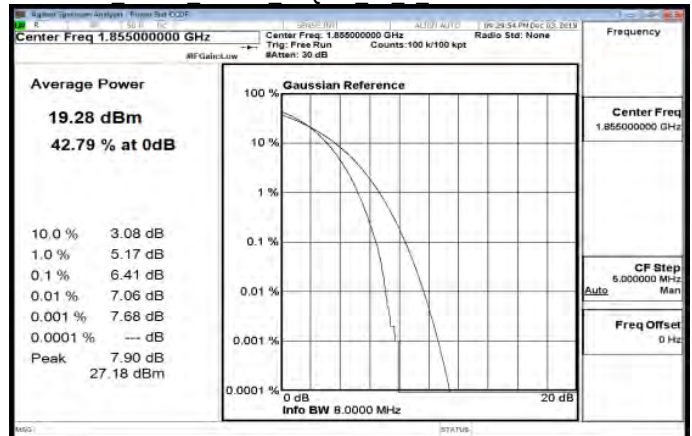
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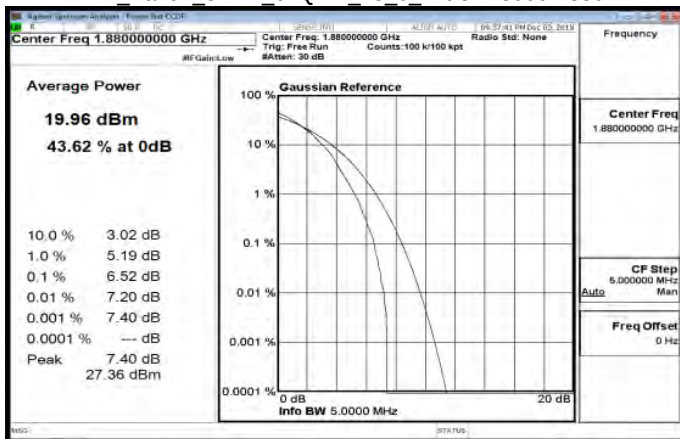
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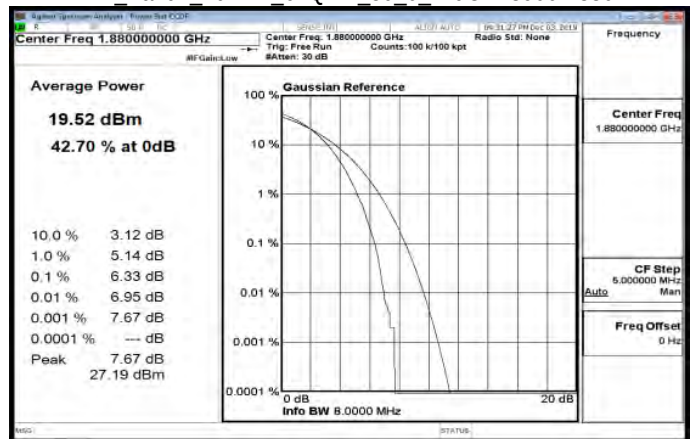
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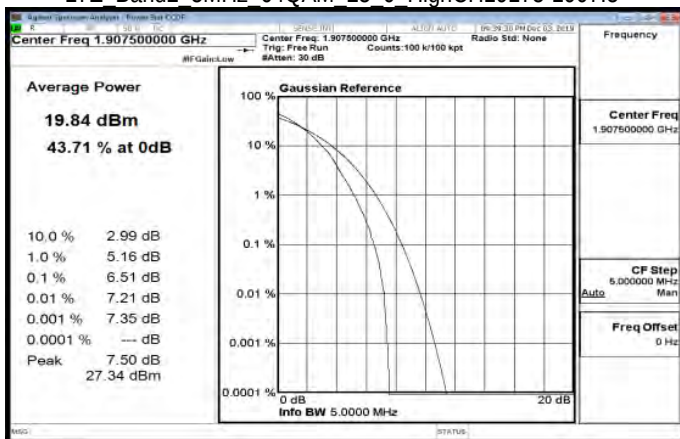
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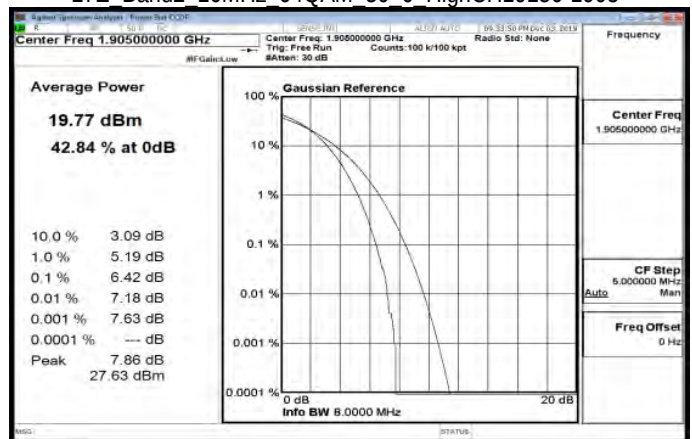
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LTE Band2 10MHz 64QAM 50 0 HighCH19150-1905



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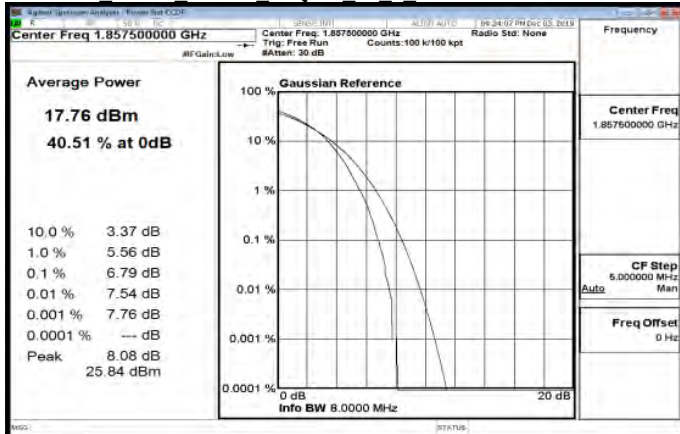
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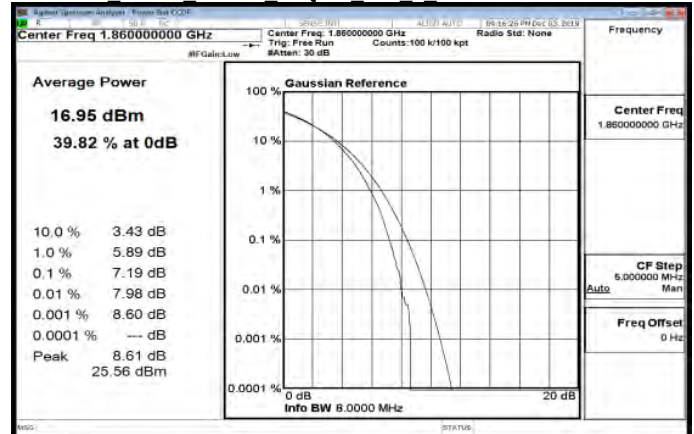
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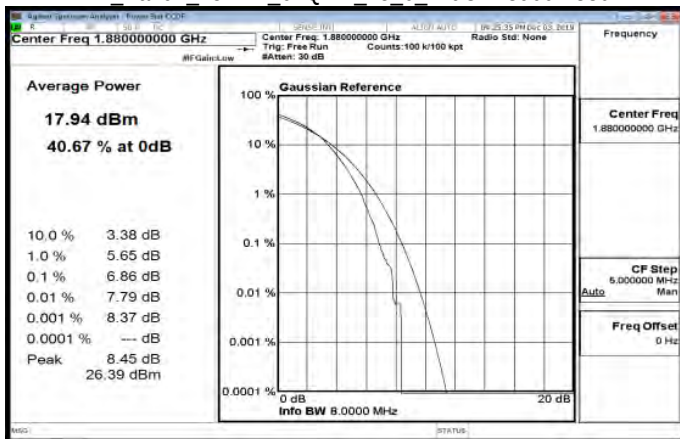
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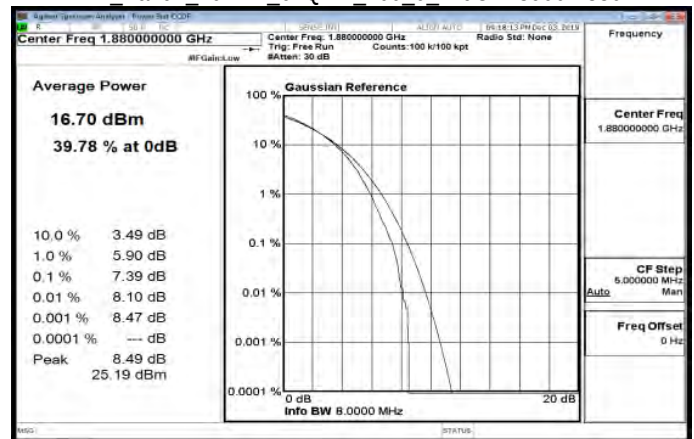
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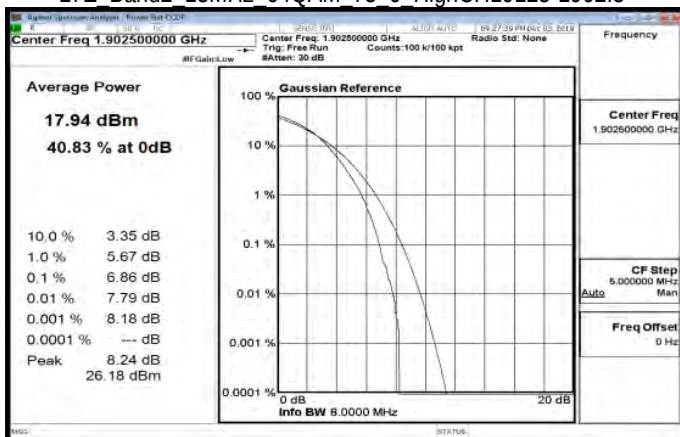
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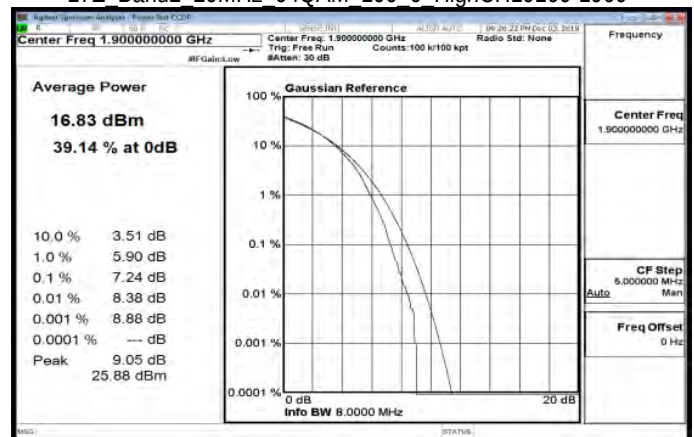
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LTE Band2 15MHz 64QAM 75 0 HighCH19125-1902.5



LTE Band2 20MHz 64QAM 100 0 HighCH19100-1900



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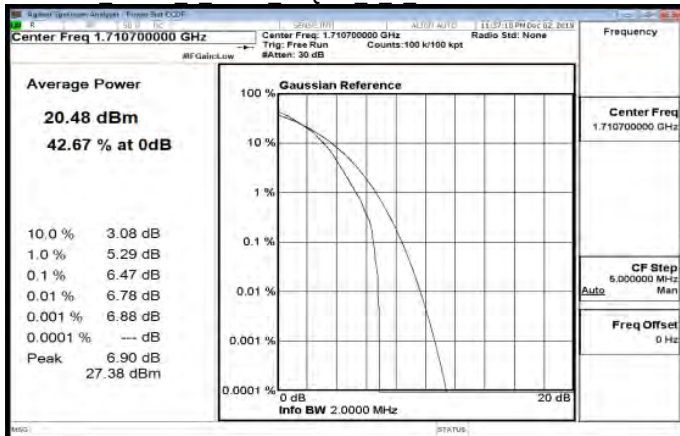
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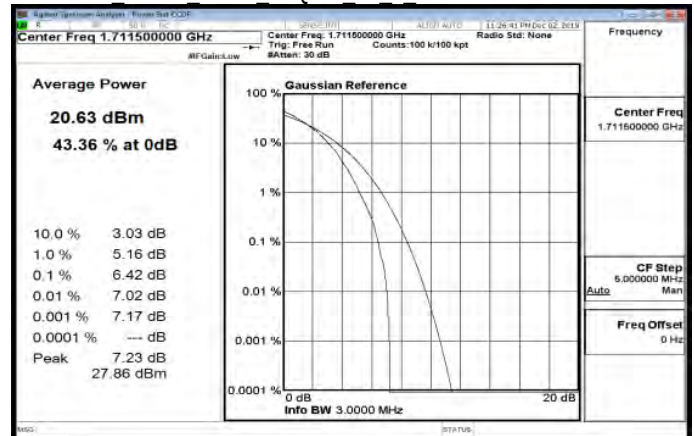
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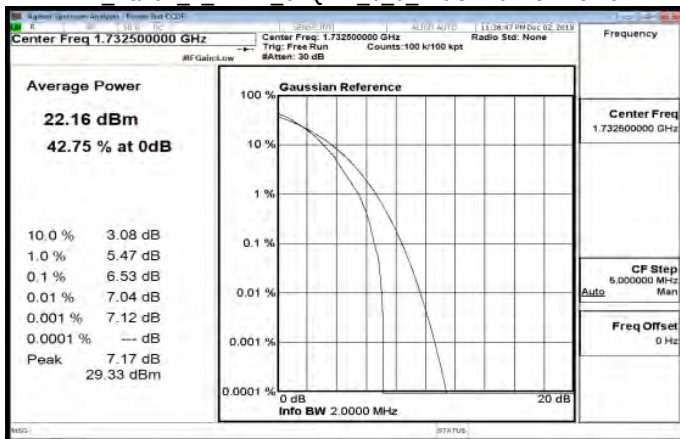
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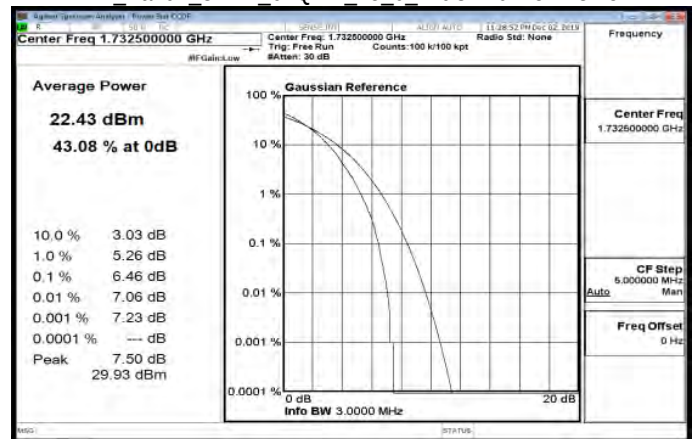
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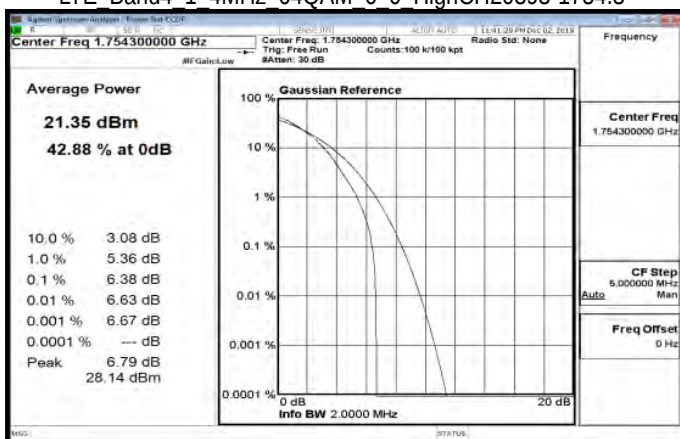
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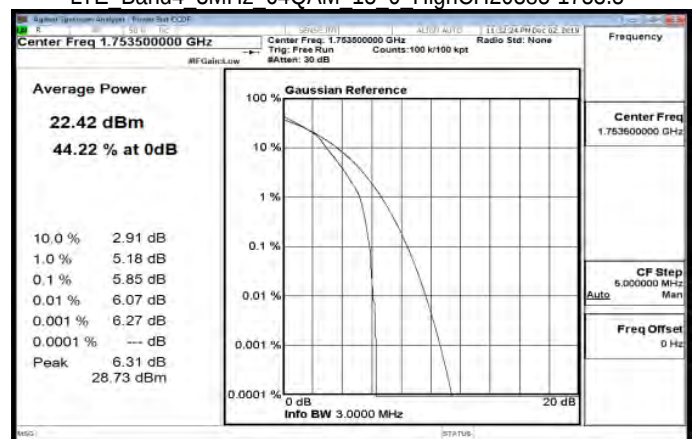
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LTE Band4 3MHz 64QAM 15 0 HighCH20385-1753.5



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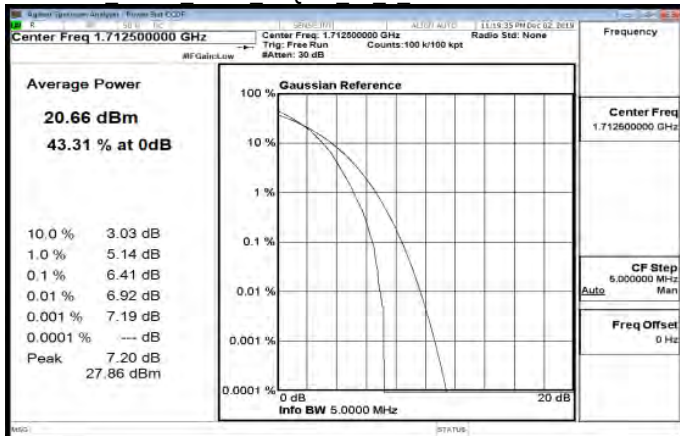
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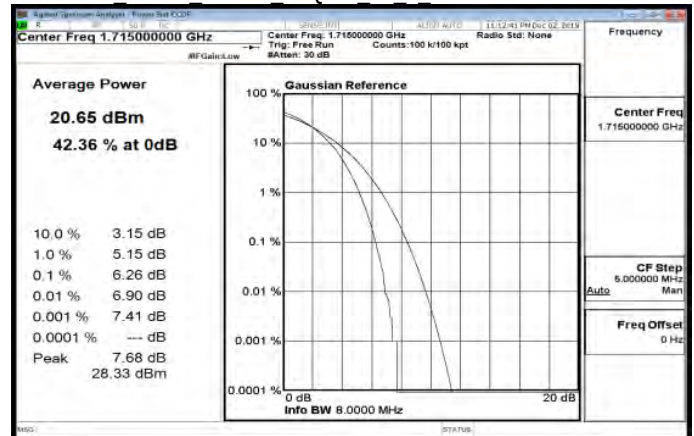
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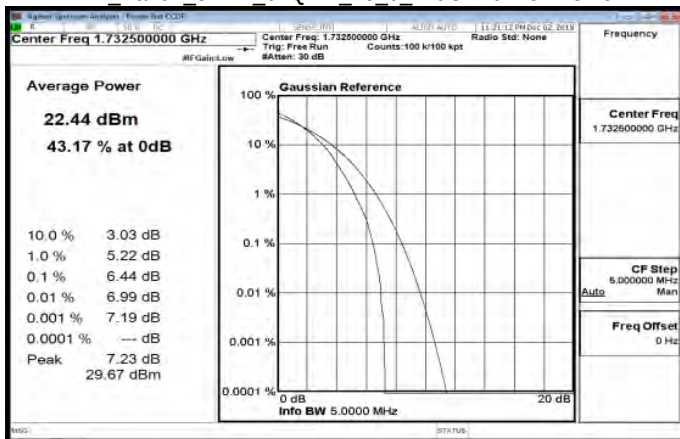
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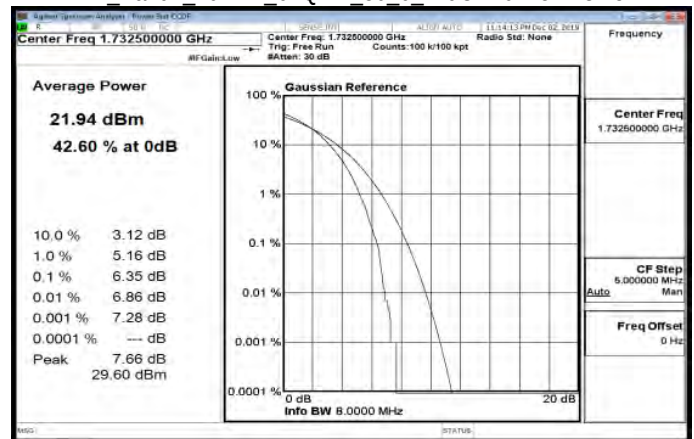
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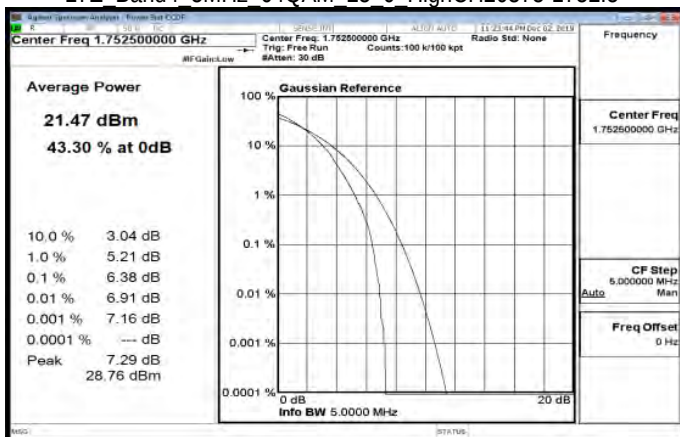
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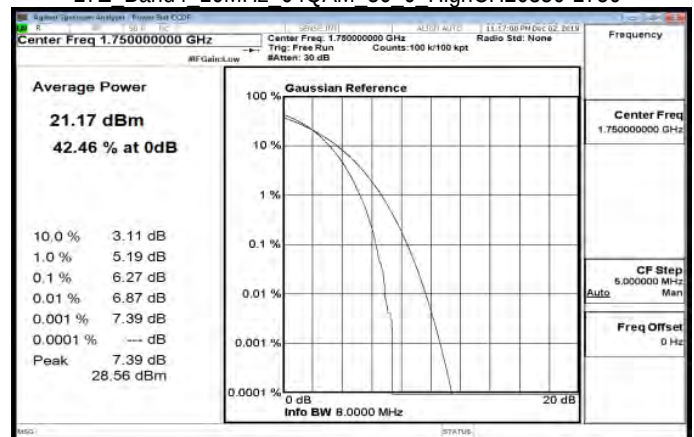
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LTE Band4 5MHz 64QAM 25 0 HighCH20375-1752.5



LTE Band4 10MHz 64QAM 50 0 HighCH20350-1750



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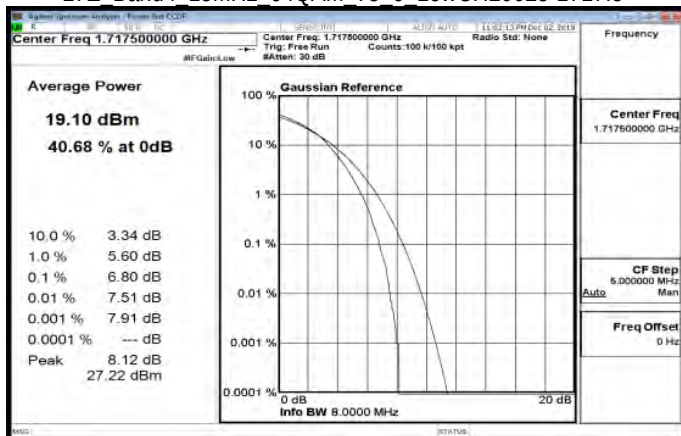
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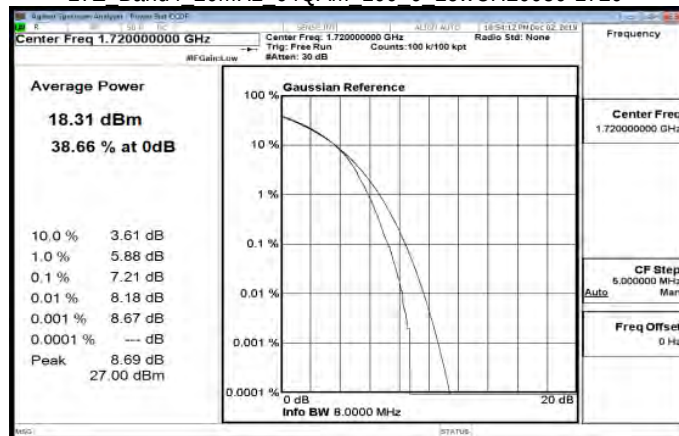
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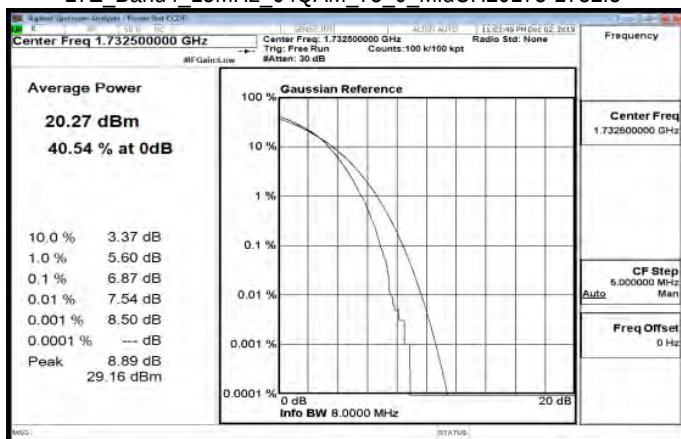
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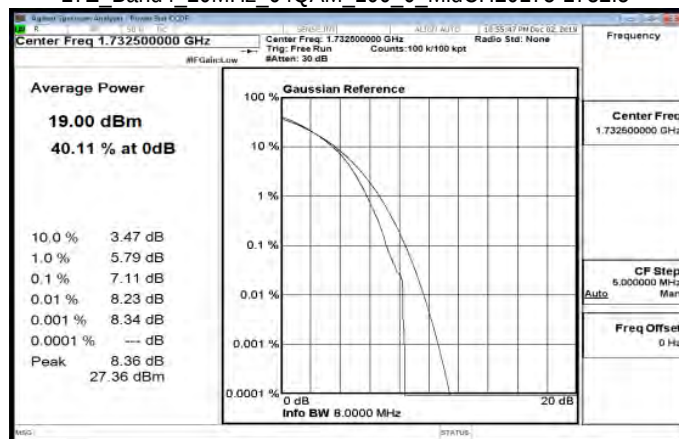
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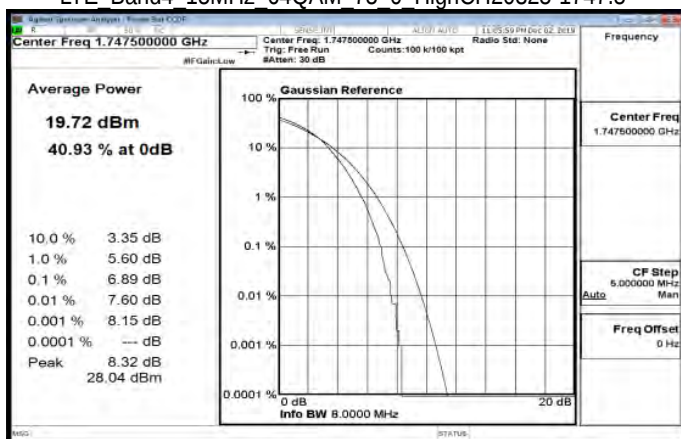
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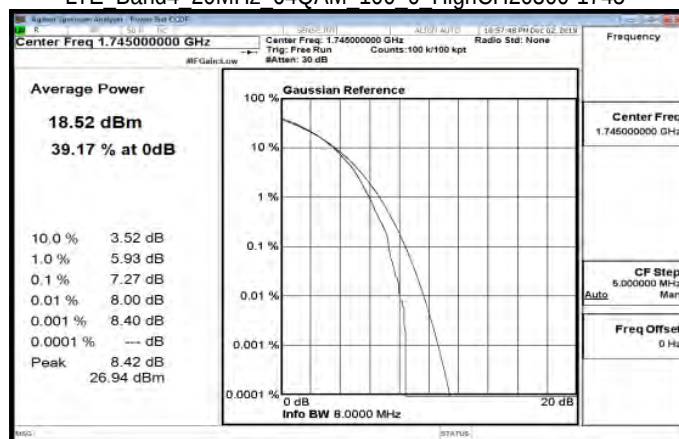
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LTE Band4 15MHz 64QAM 75 0 HighCH20325-1747.5



LTE Band4 20MHz 64QAM 100 0 HighCH20300-1745



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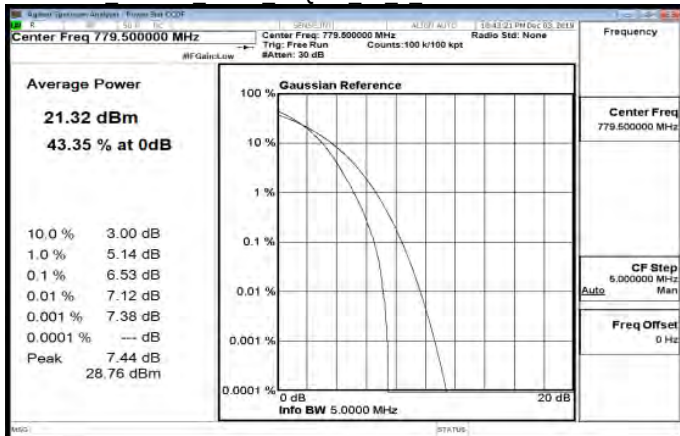
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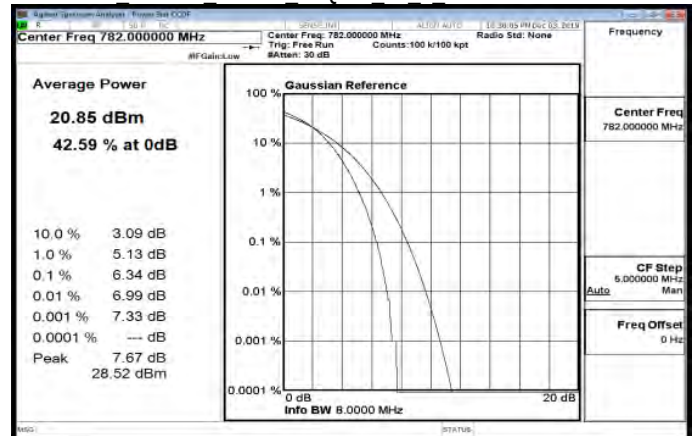
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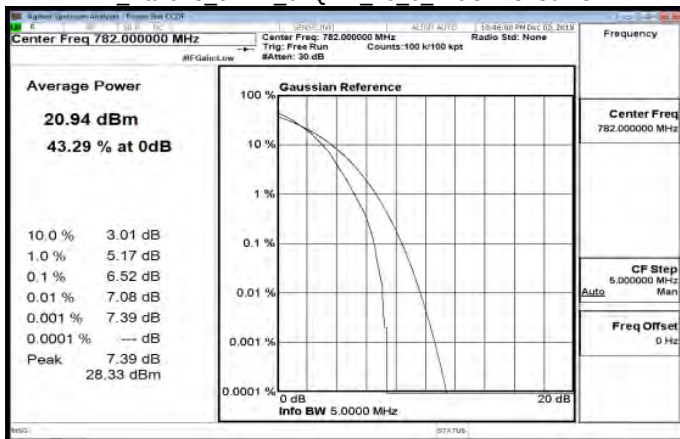
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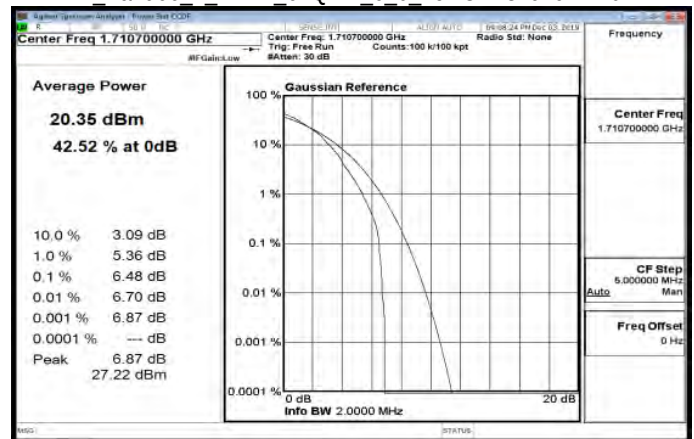
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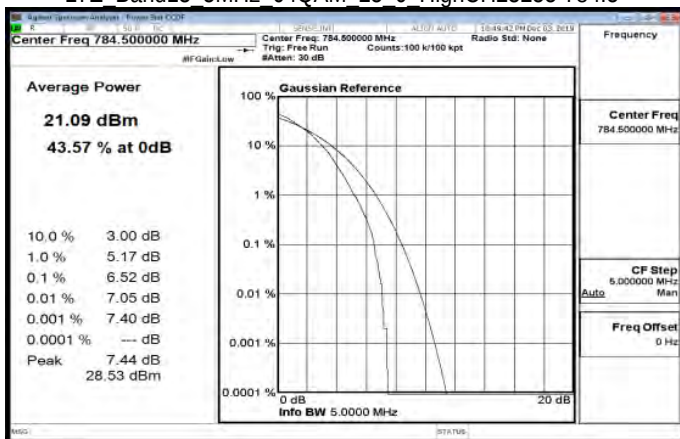
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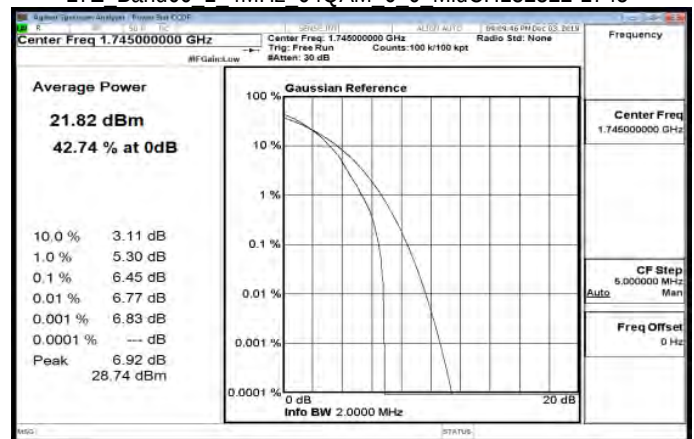
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LTE Band13 5MHz 64QAM 25 0 HighCH23255-784.5



LTE Band66 1 4MHz 64QAM 6 0 MidCH132322-1745



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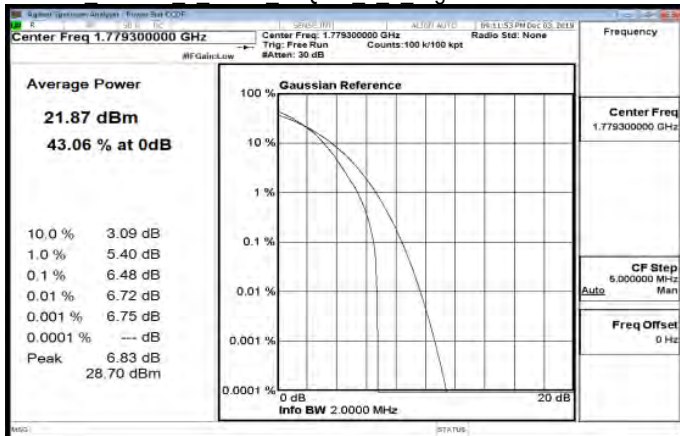
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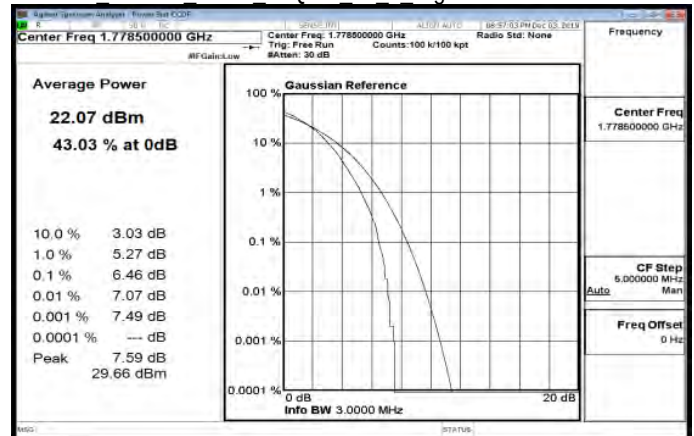
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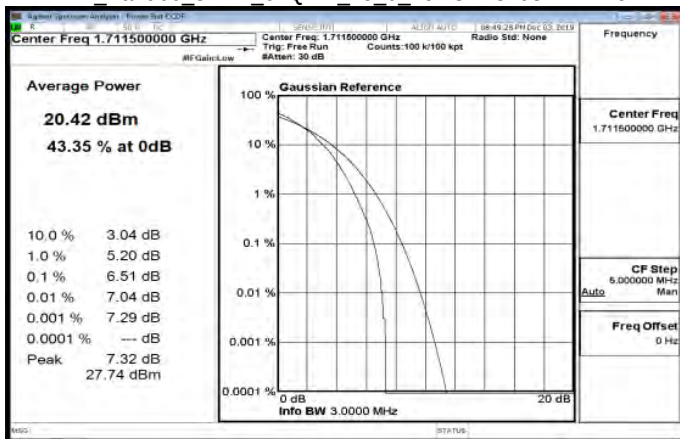
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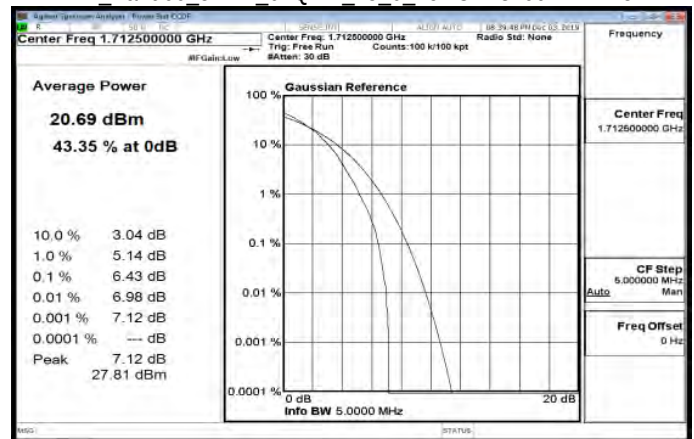
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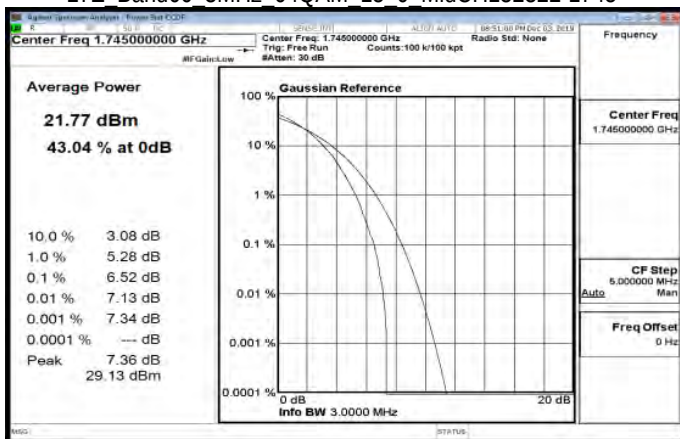
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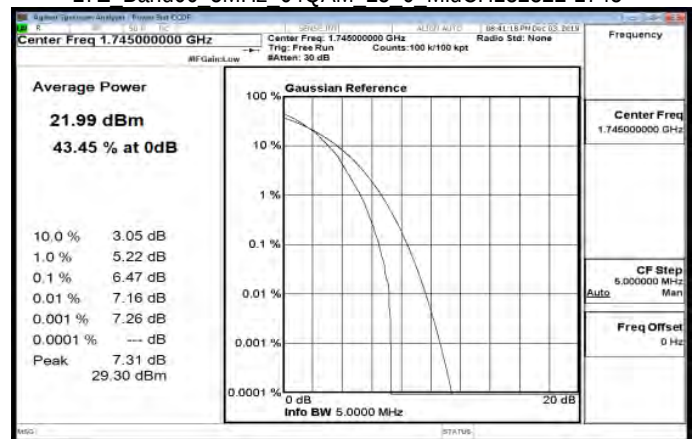
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LTE Band66 3MHz 64QAM 15 0 MidCH132322-1745



LTE Band66 5MHz 64QAM 25 0 MidCH132322-1745



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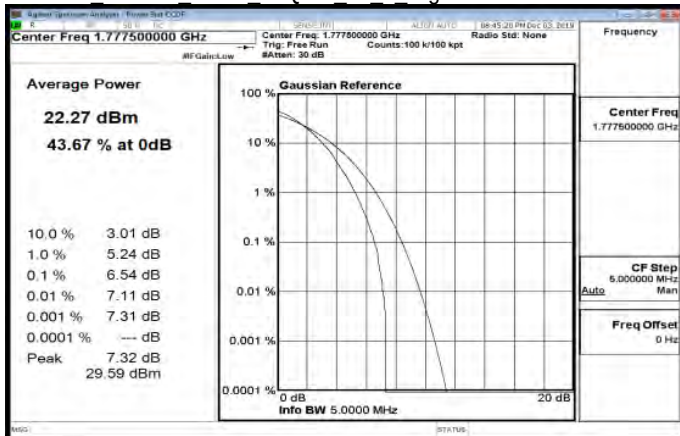
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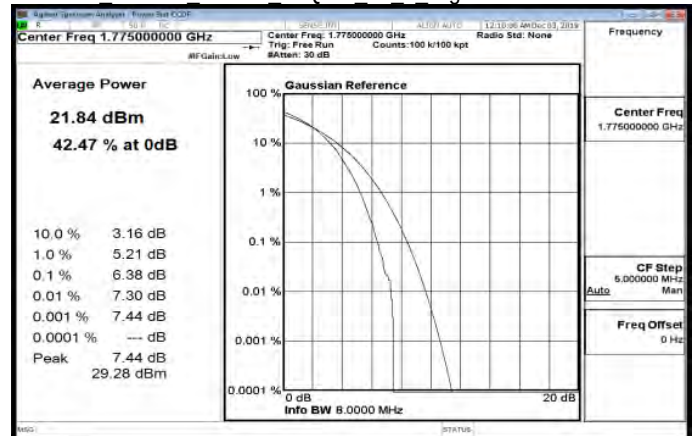
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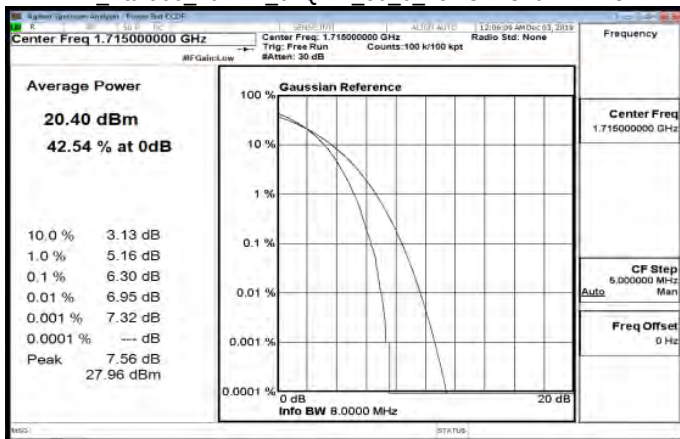
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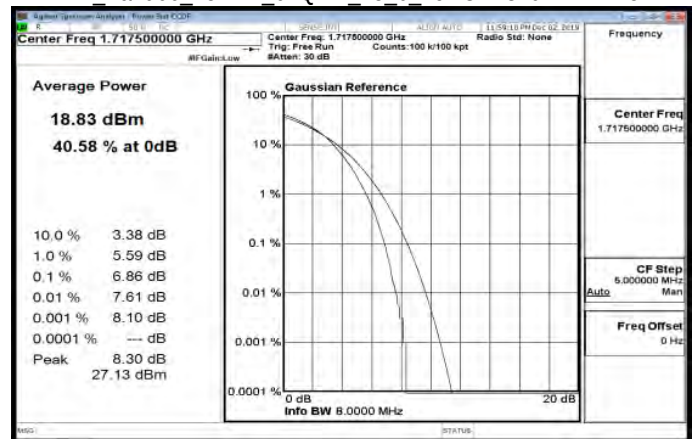
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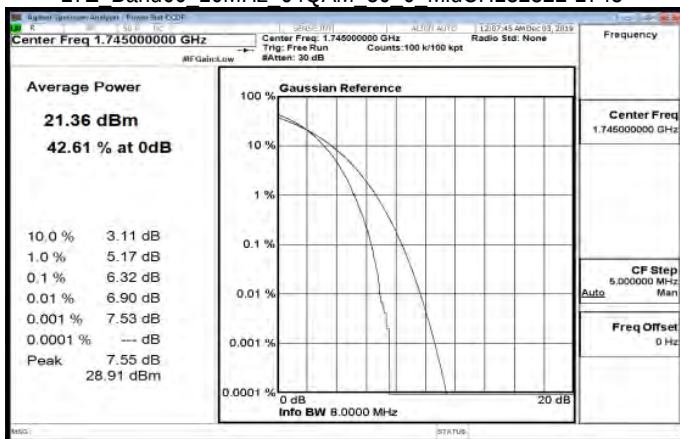
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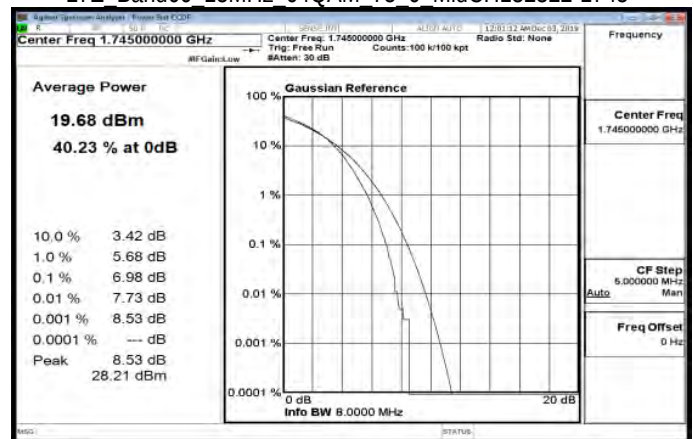
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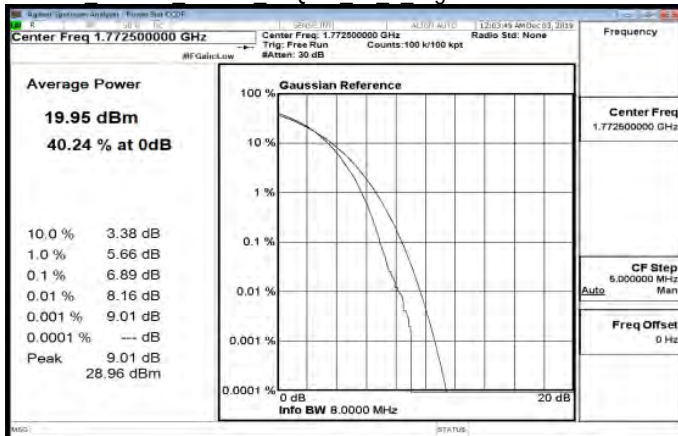
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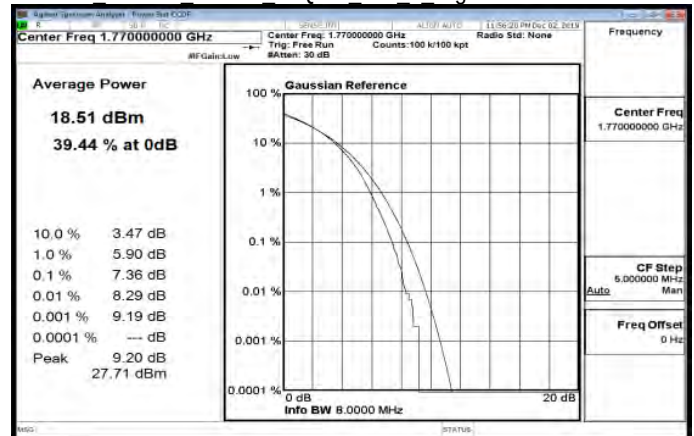
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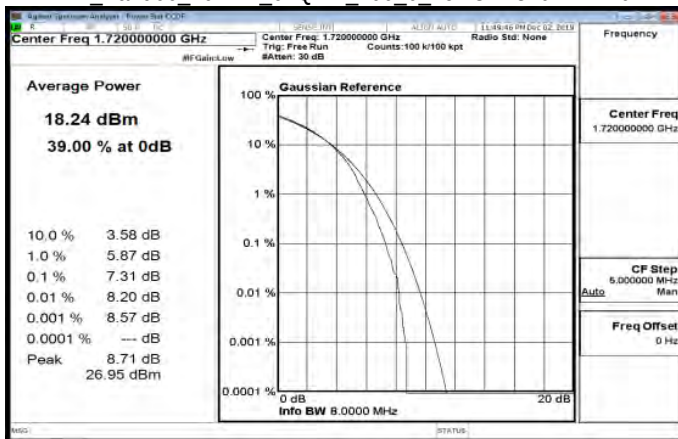
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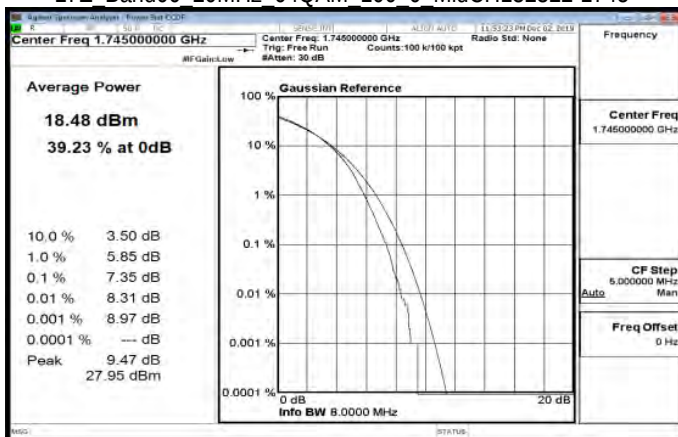


LTE Band66 20MHz 64QAM 100 0 LowCH132072-1720



~ End of Report ~

LTE Band66 20MHz 64QAM 100 0 MidCH132322-1745



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