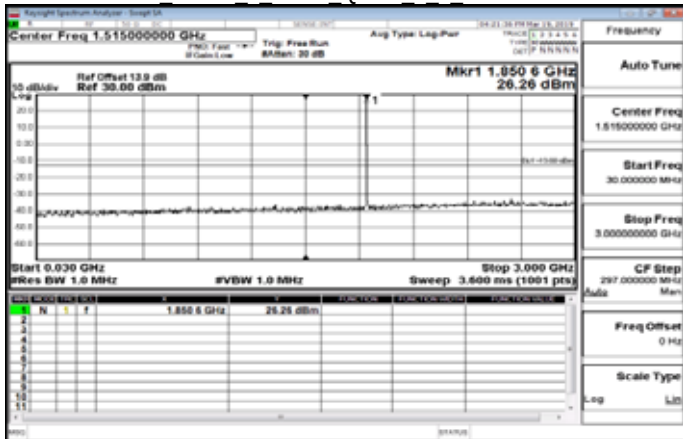
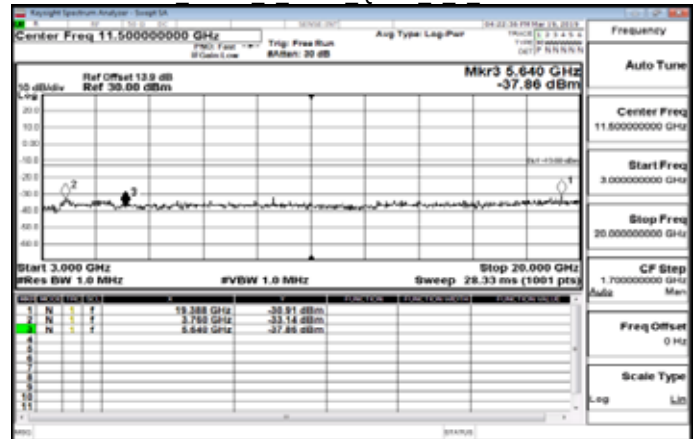


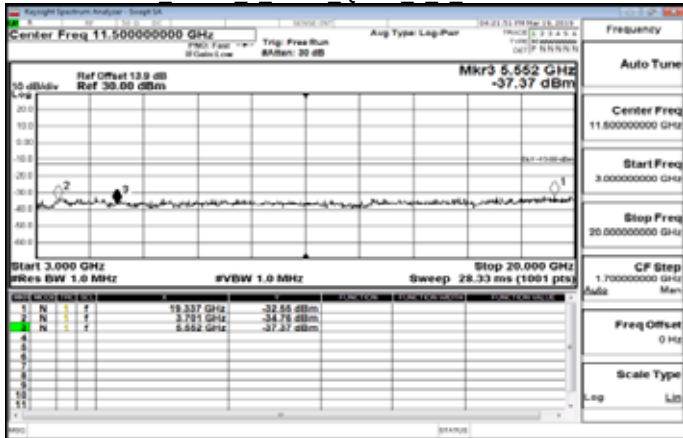
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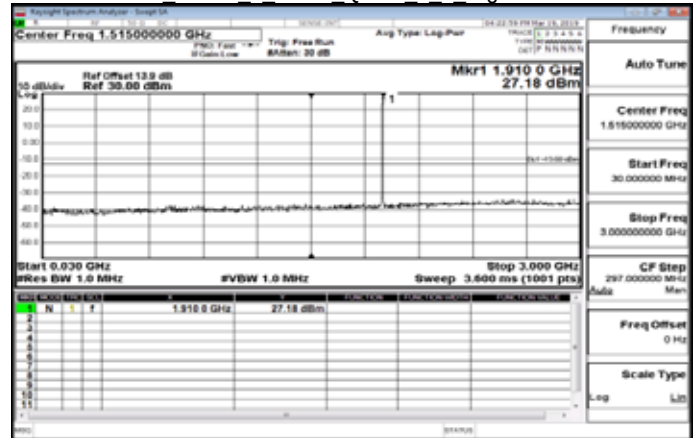
3GHz~10GHz Band2 1 4MHz QPSK 1 0 MidCH18900-1880



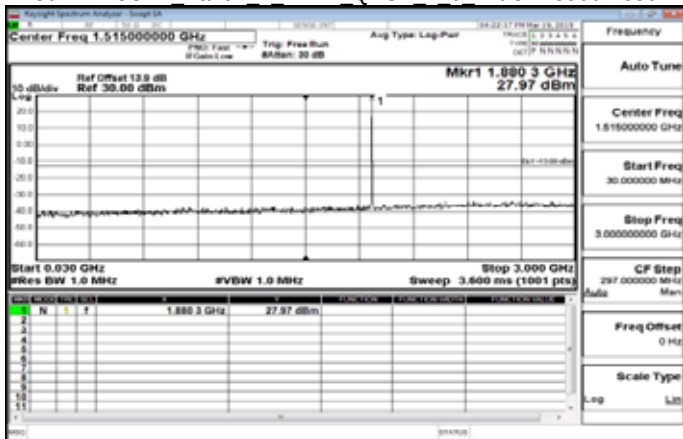
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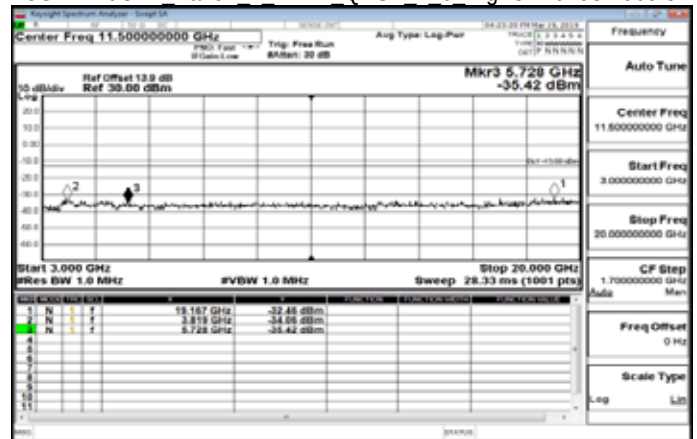
30MHz~3GHz Band2 1 4MHz QPSK 1 0 HighCH19193-1909.3



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



3GHz~10GHz Band2 1 4MHz QPSK 1 0 HighCH19193-1909.3

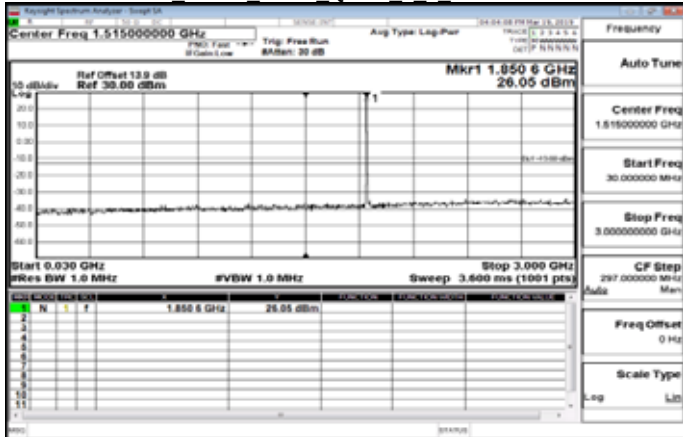


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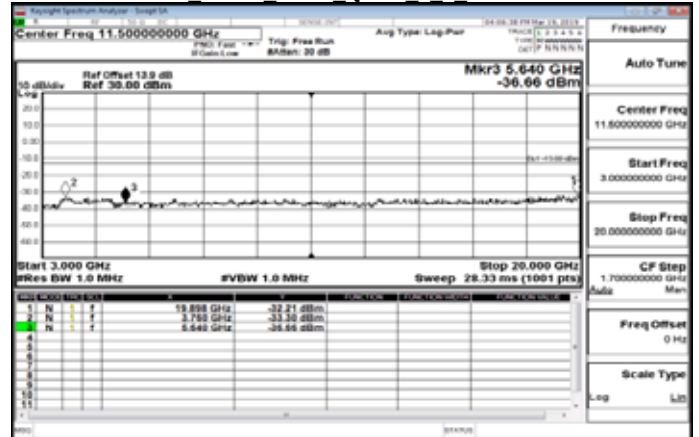
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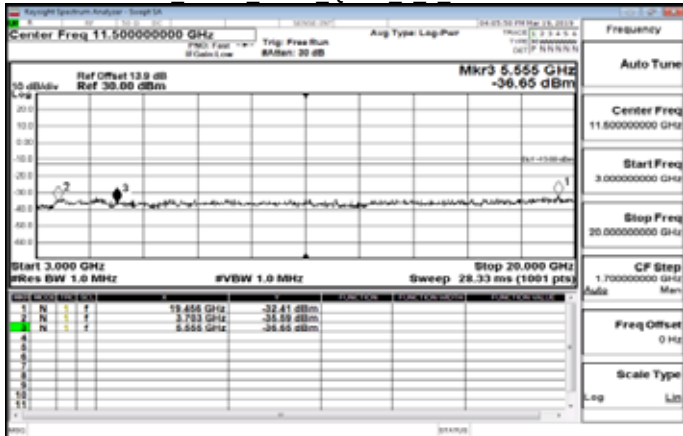
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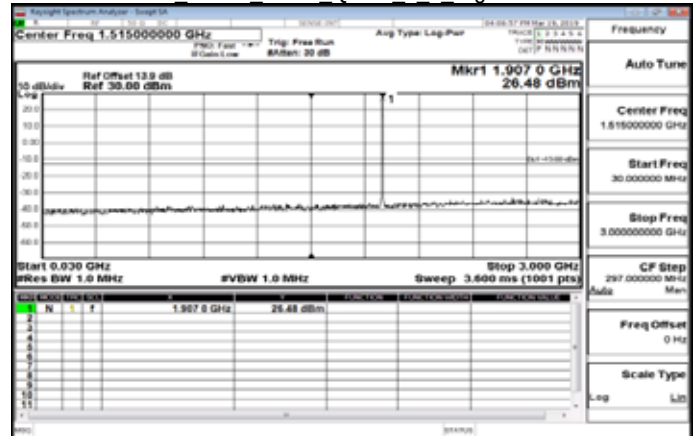
3GHz~10GHz Band2 3MHz QPSK 1 0 MidCH18900-1880



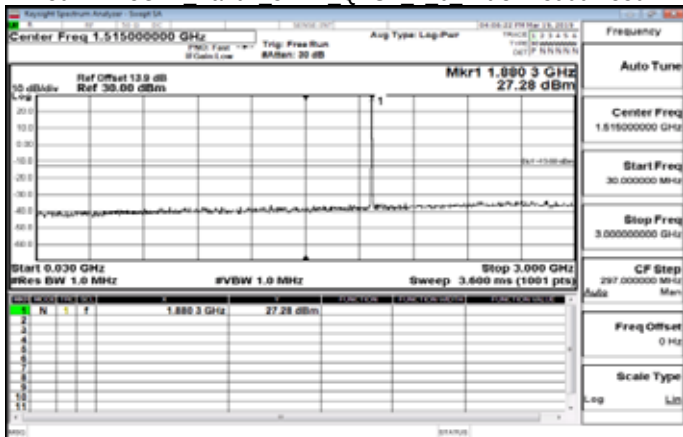
3GHz~10GHz Band2 3MHz QPSK 1 0 LowCH18615-1851.5



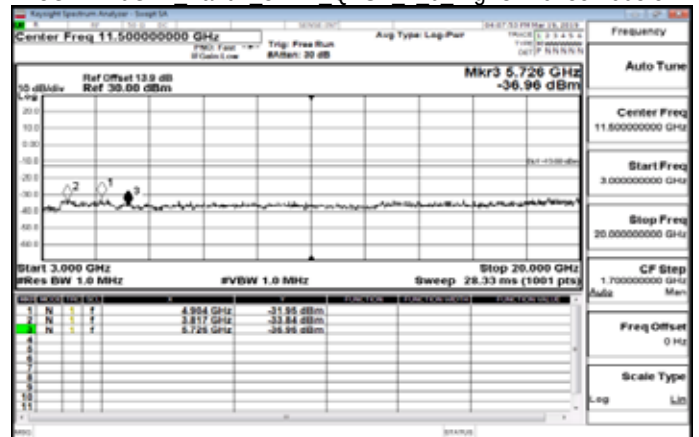
30MHz~3GHz Band2 3MHz QPSK 1 0 HighCH19185-1908.5



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



3GHz~10GHz Band2 3MHz QPSK 1 0 HighCH19185-1908.5

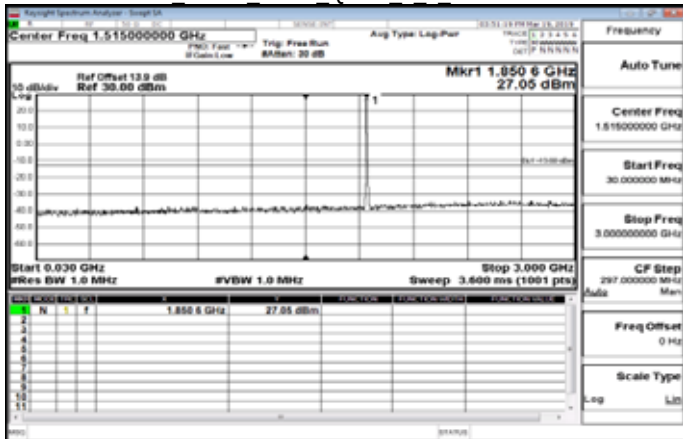


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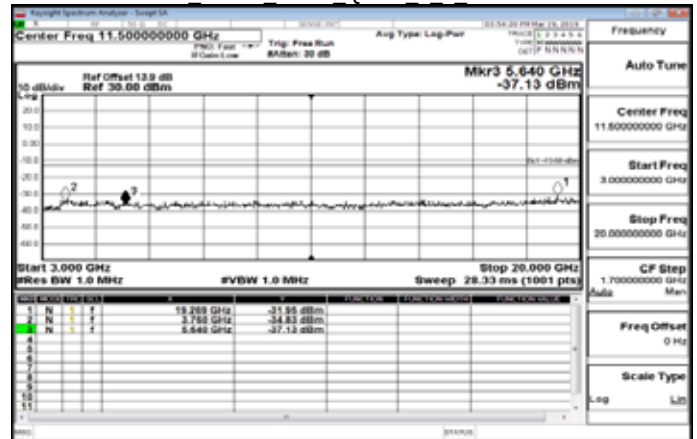
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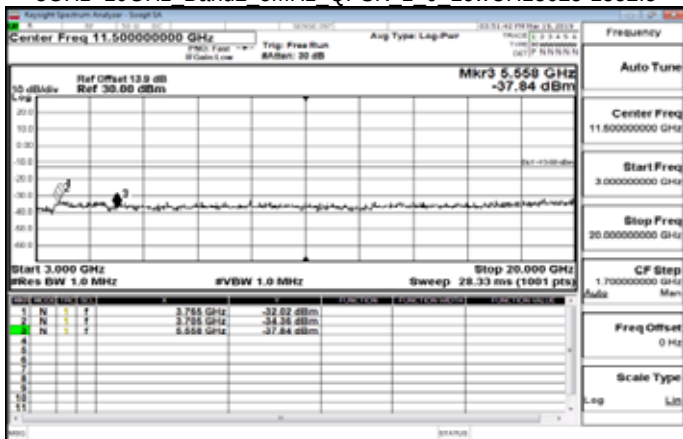
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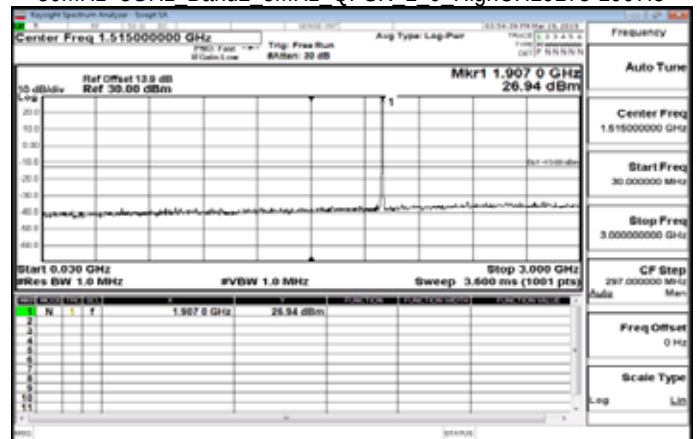
3GHz~10GHz Band2 5MHz QPSK 1 0 MidCH18900-1880



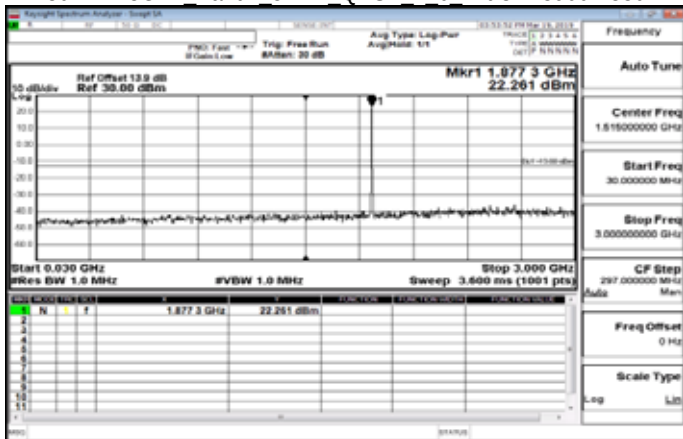
3GHz~10GHz Band2 5MHz QPSK 1 0 LowCH18625-1852.5



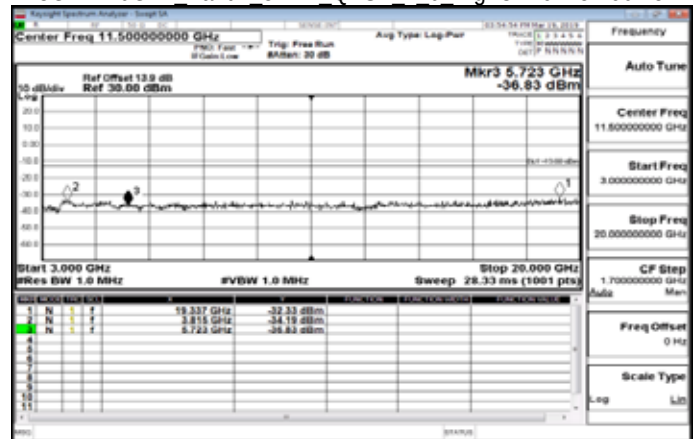
30MHz~3GHz Band2 5MHz QPSK 1 0 HighCH19175-1907.5



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



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

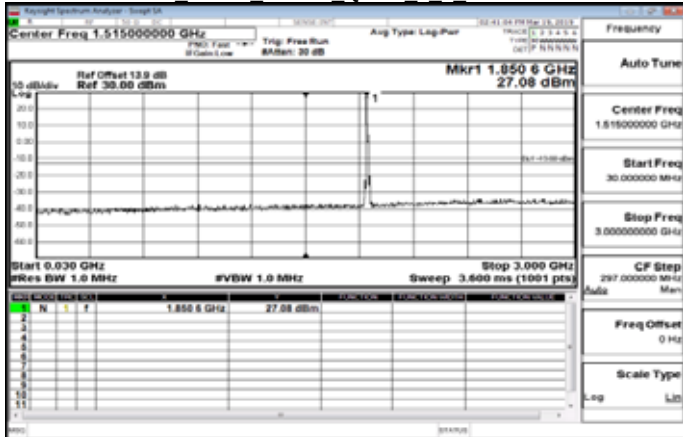


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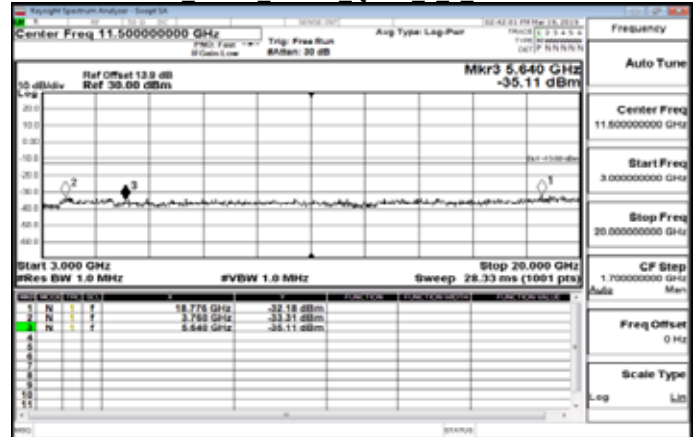
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30MHz~3GHz Band2 10MHz QPSK 1 0 LowCH18650-1855



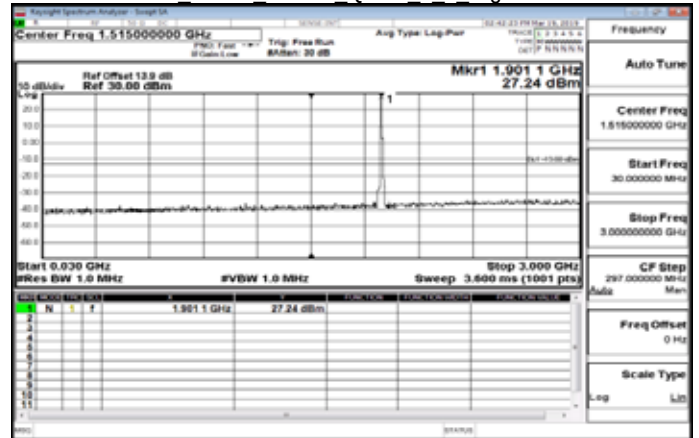
3GHz~10GHz Band2 10MHz QPSK 1 0 MidCH18900-1880



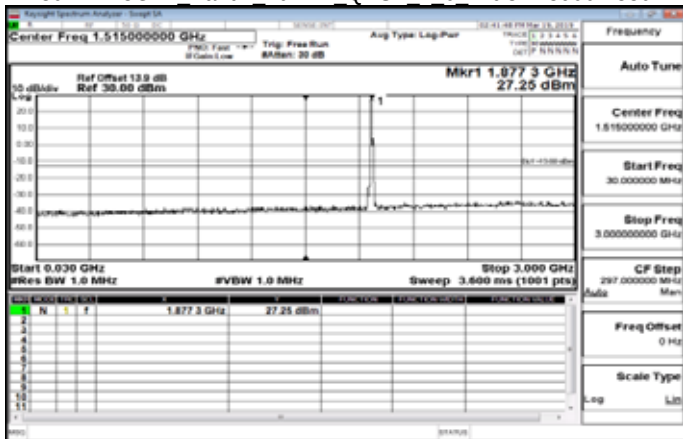
3GHz~10GHz Band2 10MHz QPSK 1 0 LowCH18650-1855



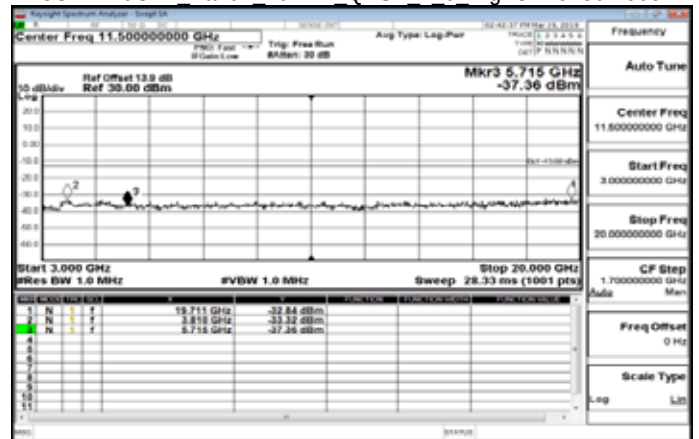
30MHz~3GHz Band2 10MHz QPSK 1 0 HighCH19150-1905



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



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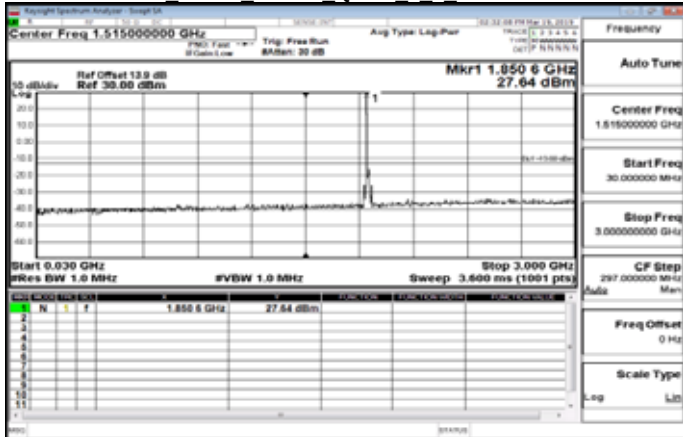


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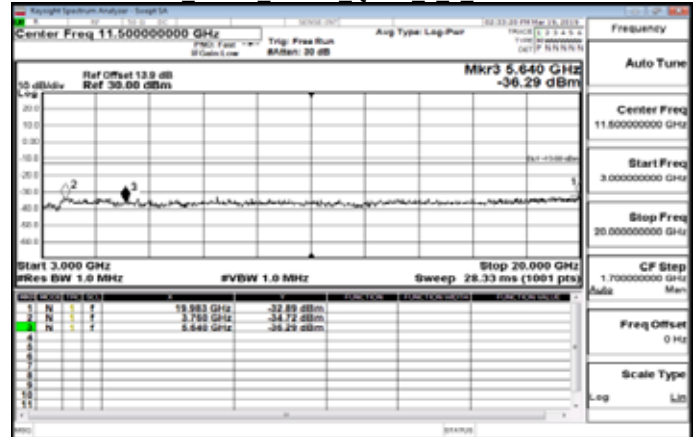
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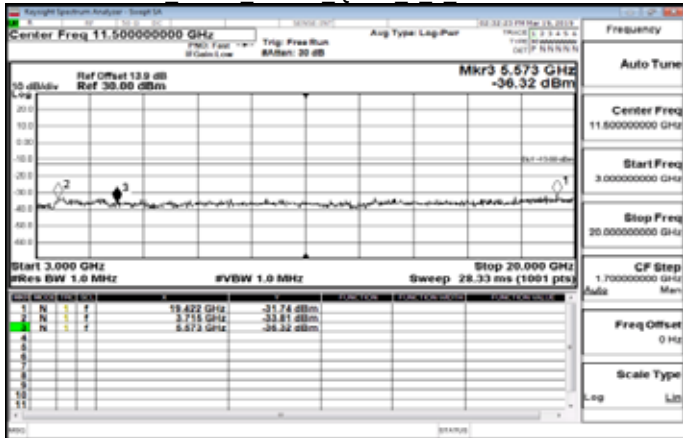
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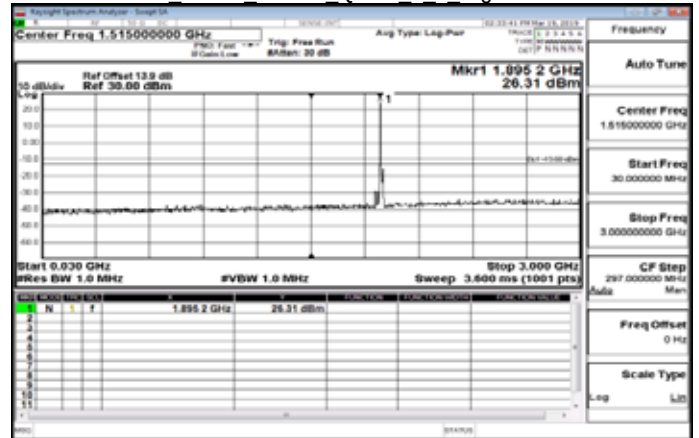
3GHz~10GHz Band2 15MHz QPSK 1 0 MidCH1890-1880



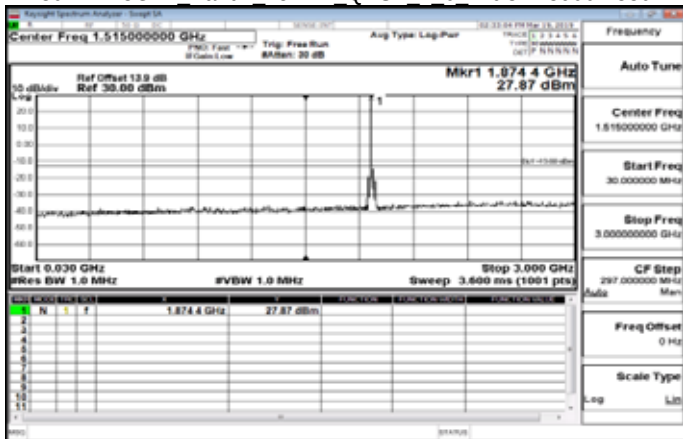
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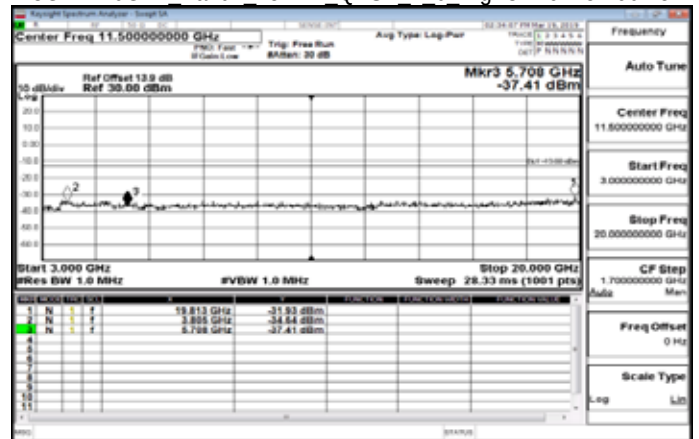
30MHz~3GHz Band2 15MHz QPSK 1 0 HighCH19125-1902.5



30MHz~3GHz Band2 15MHz QPSK 1 0 MidCH1890-1880



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

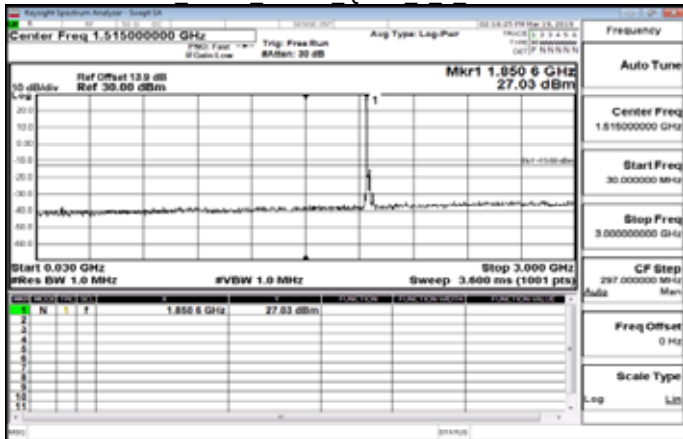


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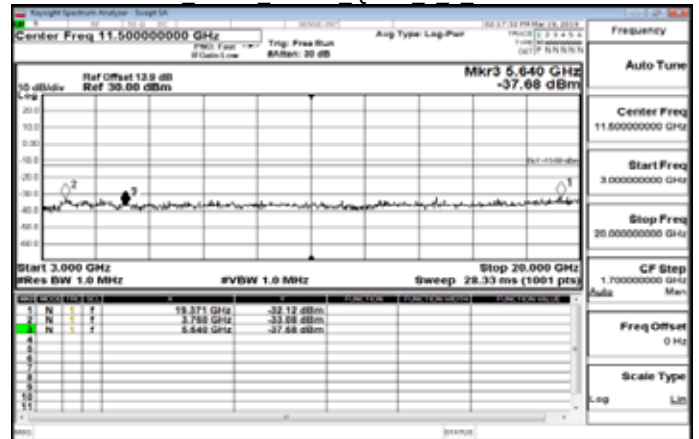
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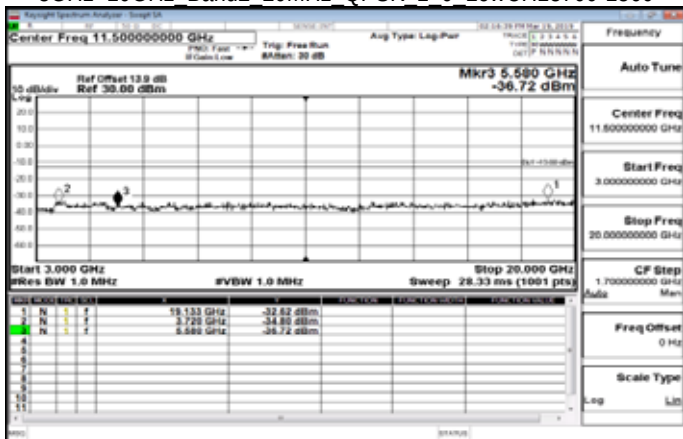
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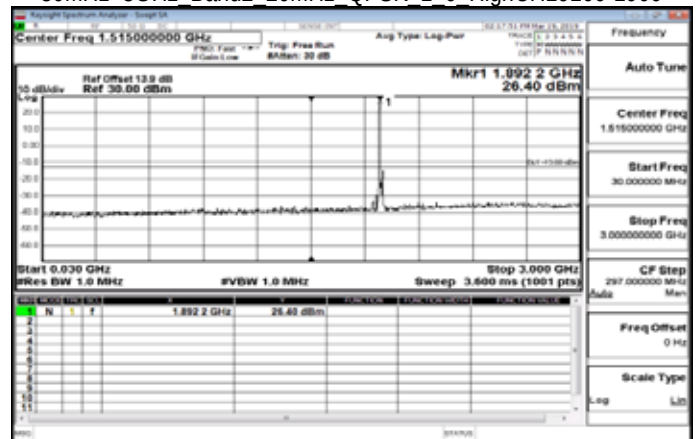
3GHz~10GHz Band2 20MHz QPSK 1 0 MidCH18900-1880



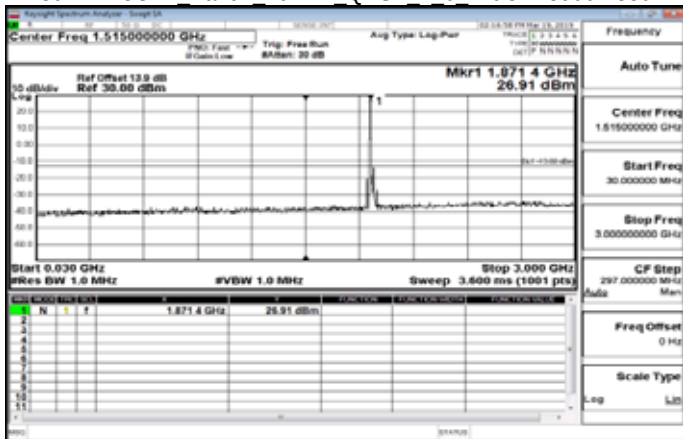
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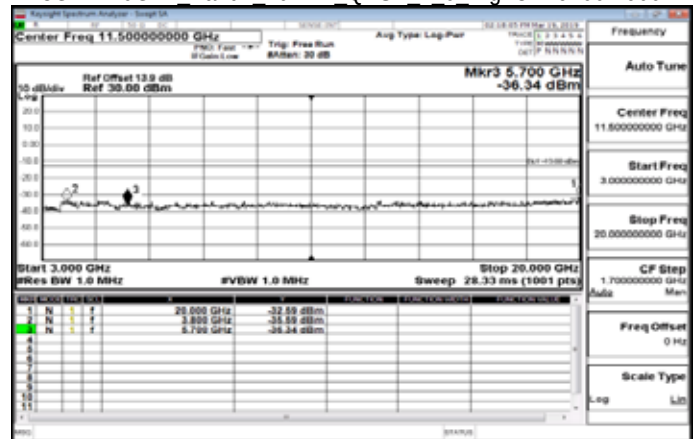
30MHz~3GHz Band2 20MHz QPSK 1 0 HighCH19100-1900



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



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

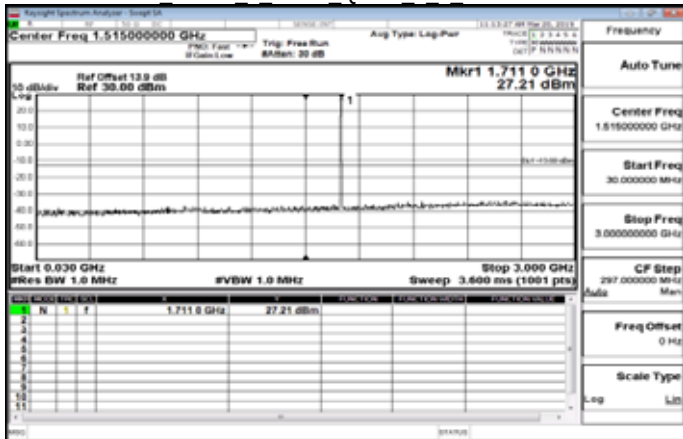


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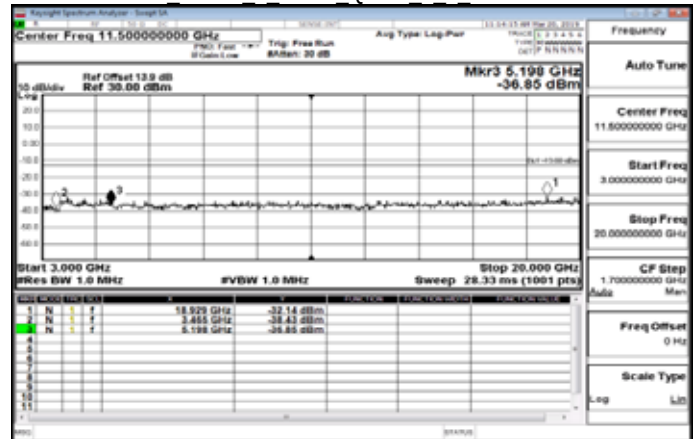
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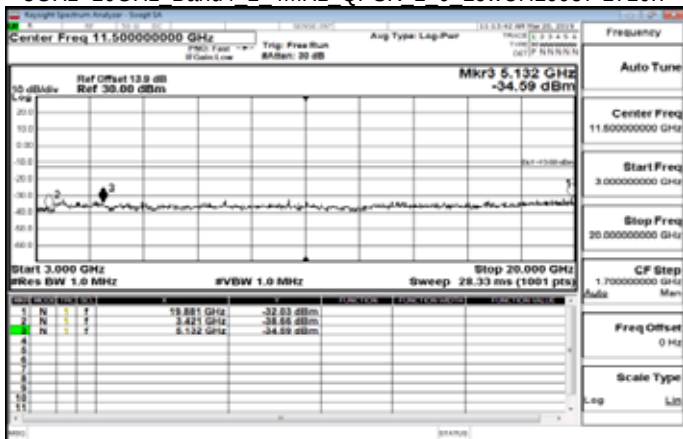
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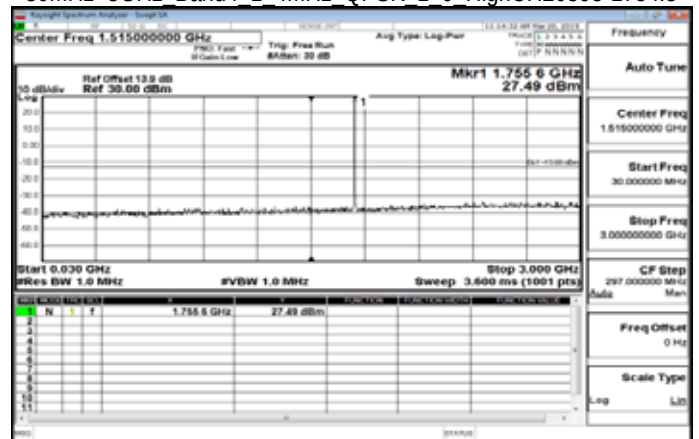
3GHz~10GHz Band4 1 4MHz QPSK 1 0 MidCH20175-1732.5



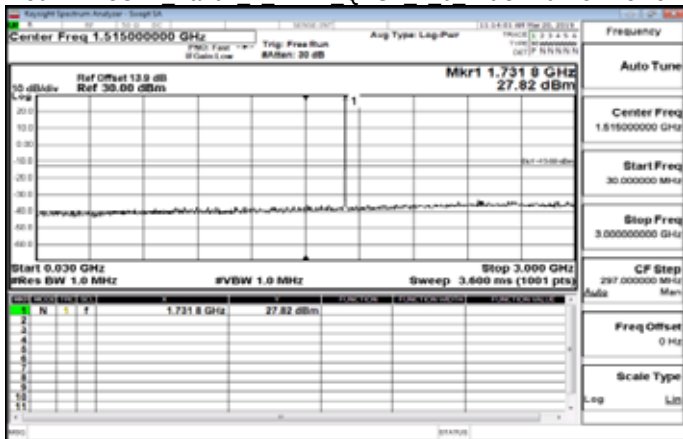
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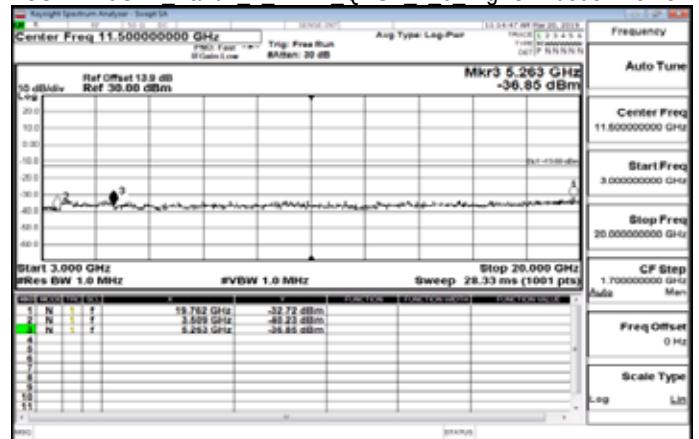
30MHz~3GHz Band4 1 4MHz QPSK 1 0 HighCH20393-1754.3



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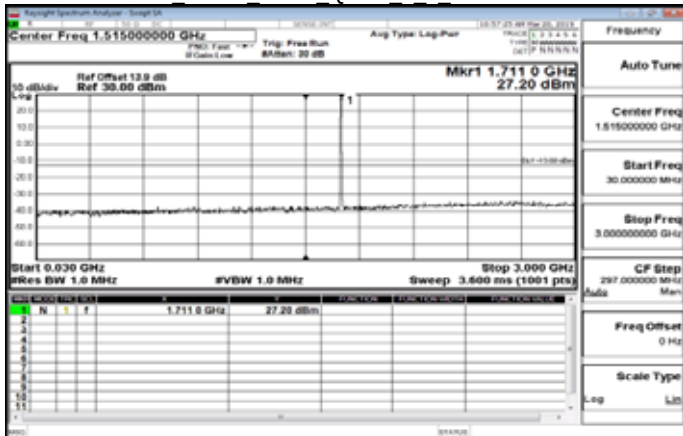


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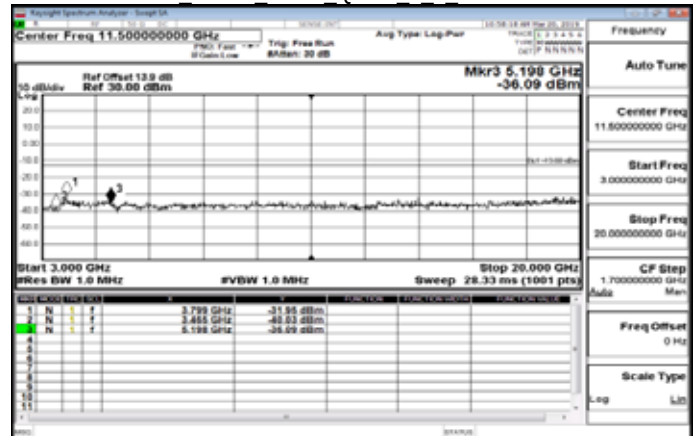
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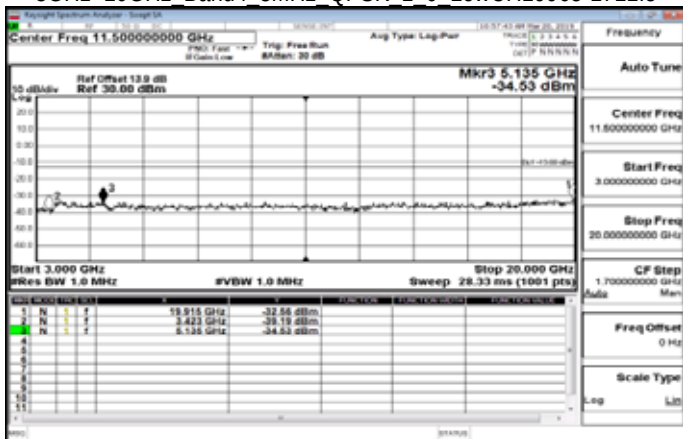
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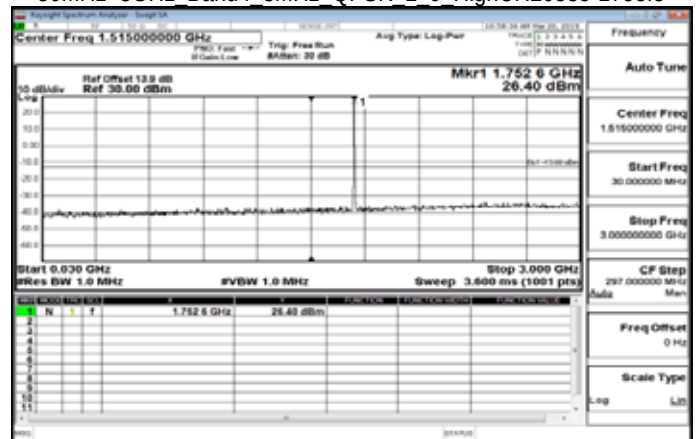
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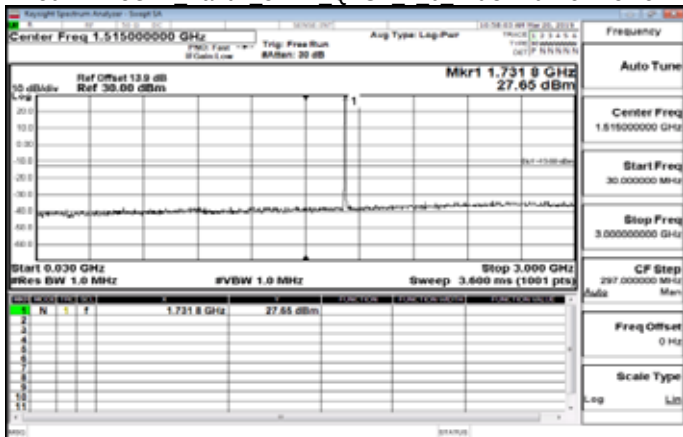
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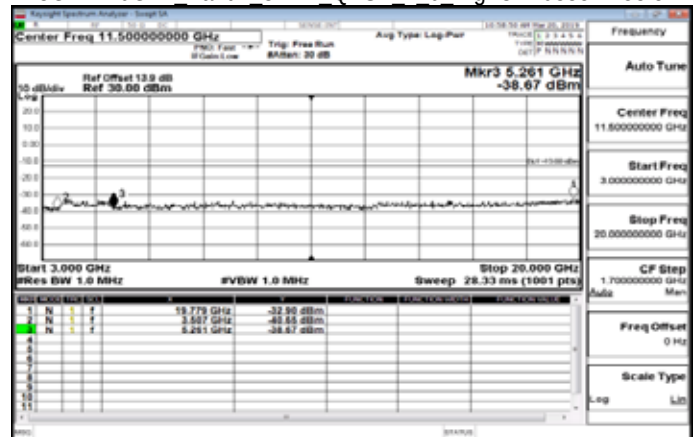
30MHz~3GHz Band4 3MHz QPSK 1 0 HighCH20385-1753.5



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



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

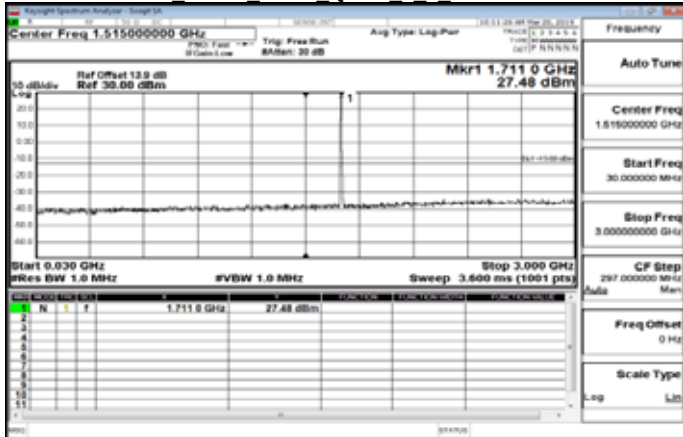


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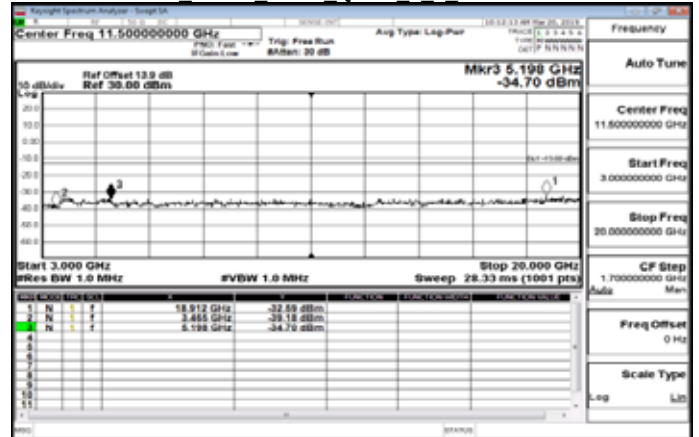
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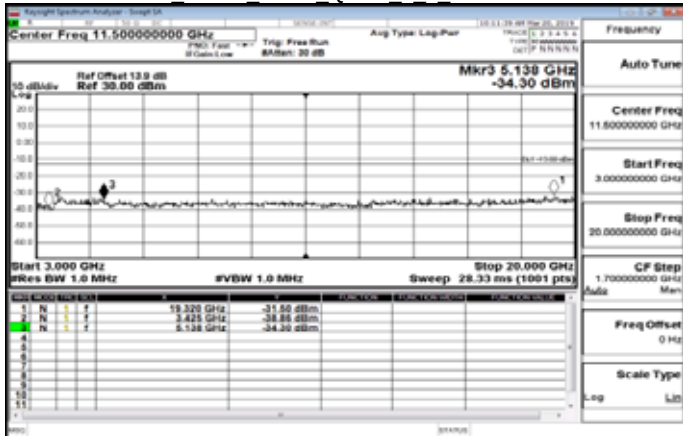
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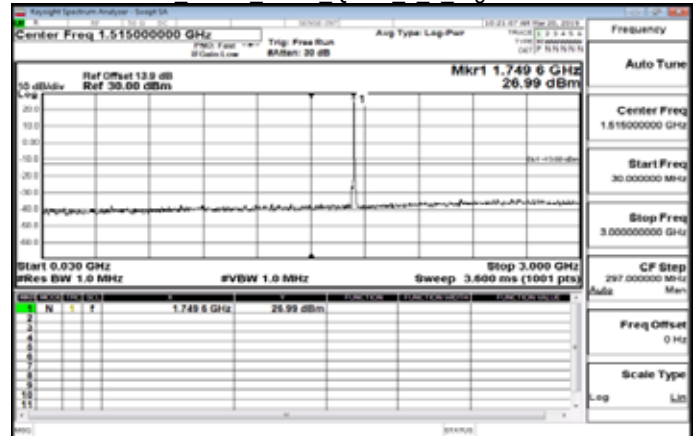
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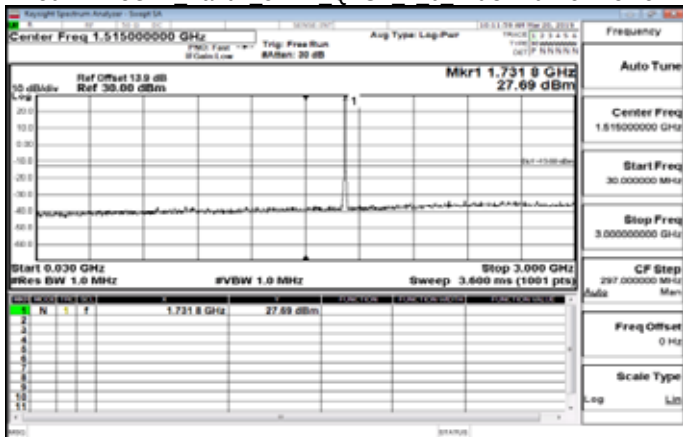
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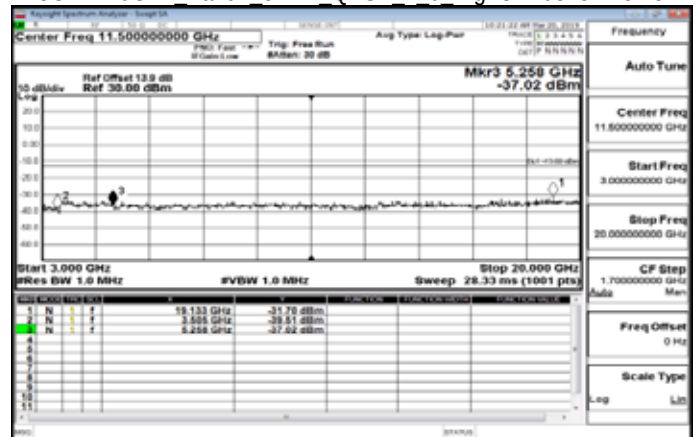
30MHz~3GHz Band4 5MHz QPSK 1 0 HighCH20375-1752.5



30MHz~3GHz Band4 5MHz QPSK 1 0 MidCH20175-1732.5



3GHz~10GHz Band4 5MHz QPSK 1 0 HighCH20375-1752.5

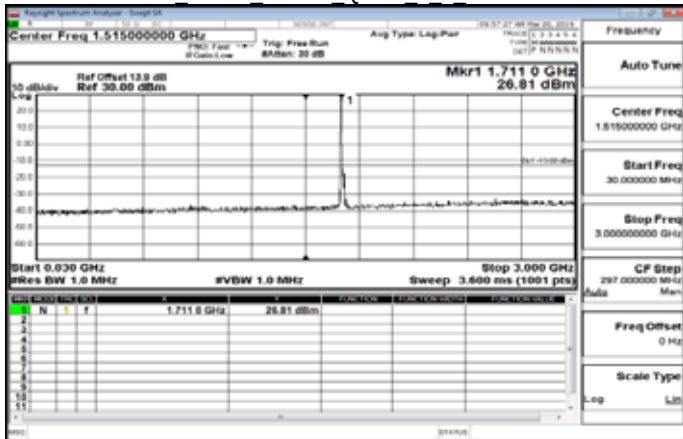


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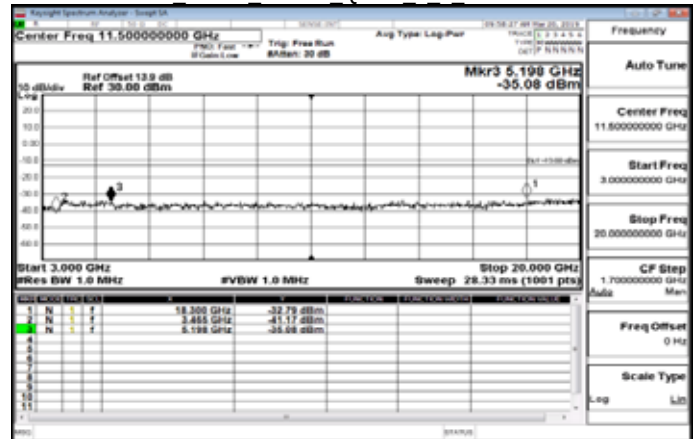
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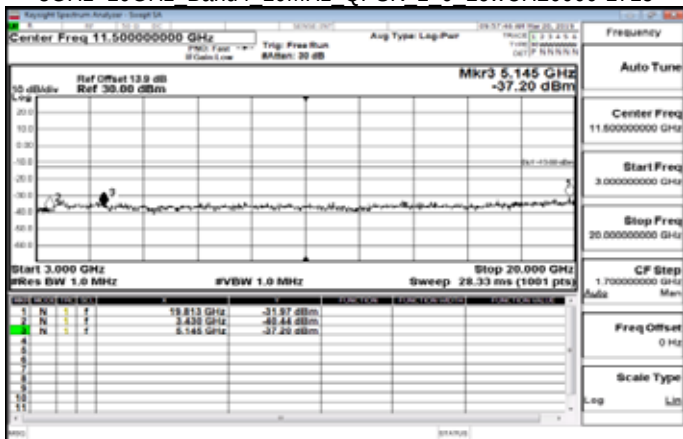
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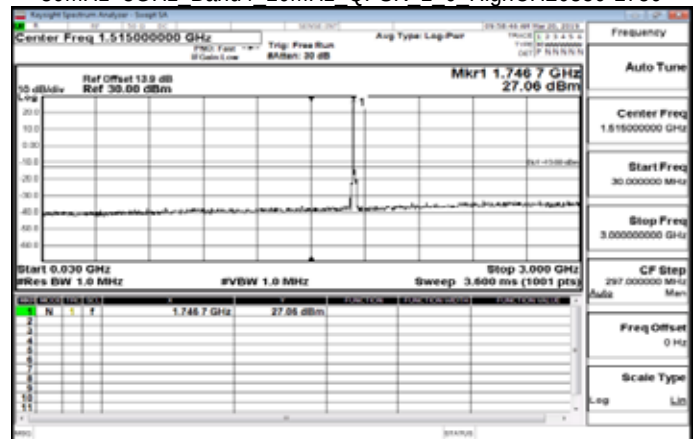
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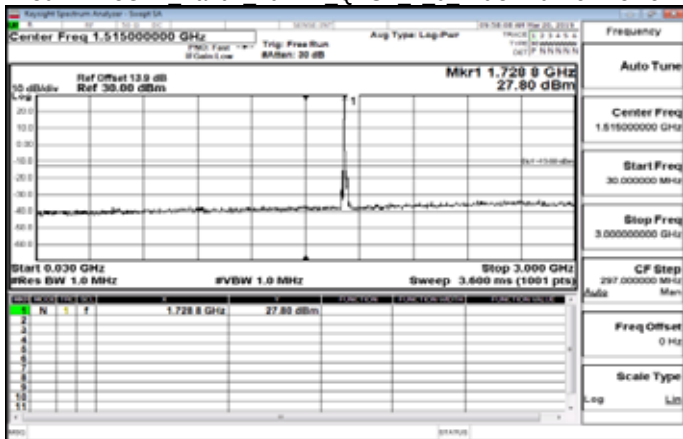
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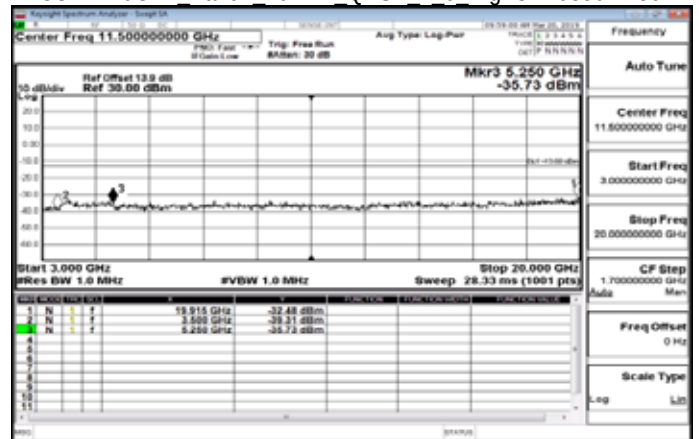
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30MHz~3GHz Band4 10MHz QPSK 1 0 MidCH20175-1732.5



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

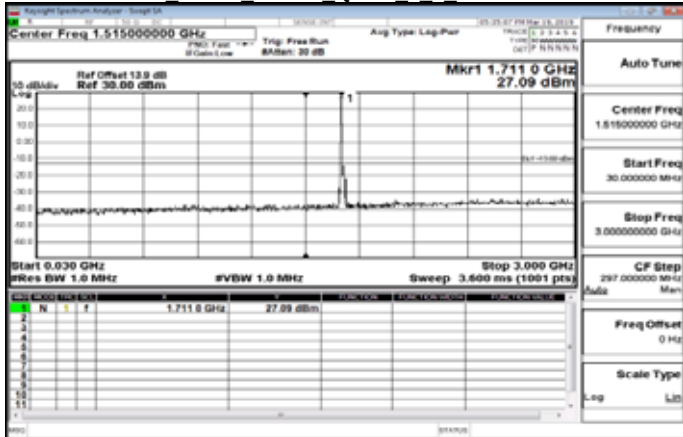


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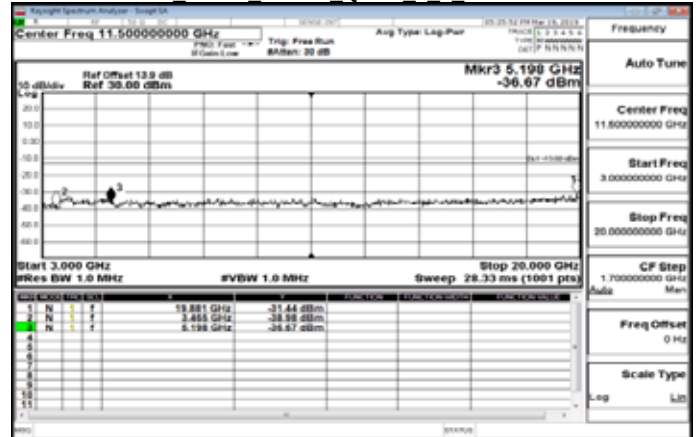
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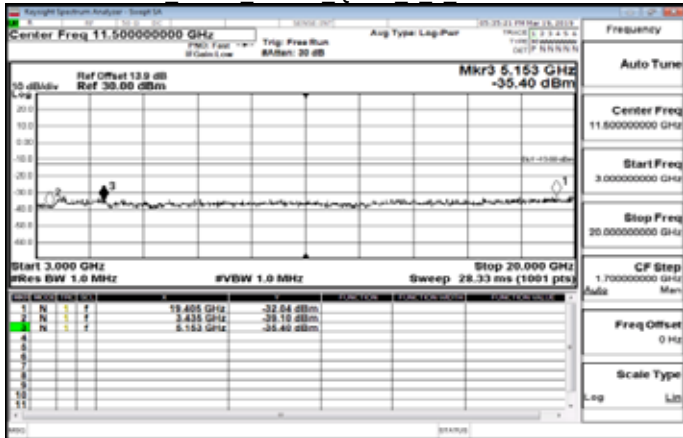
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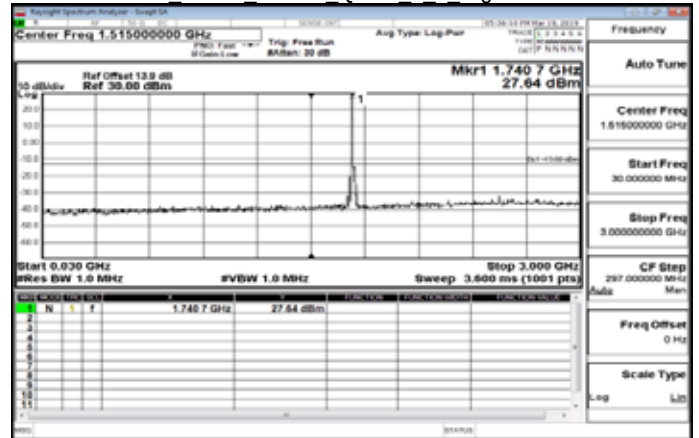
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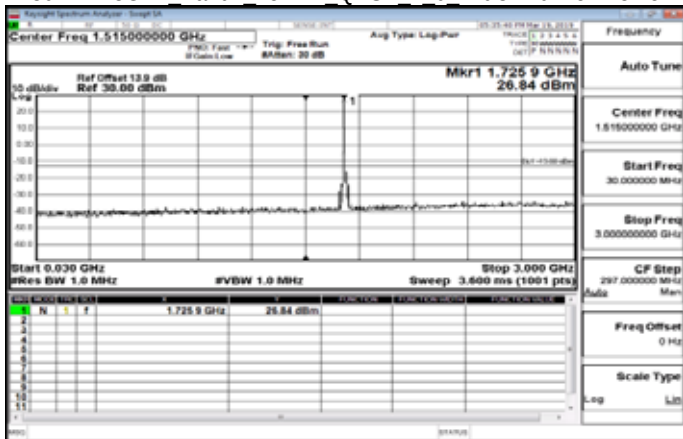
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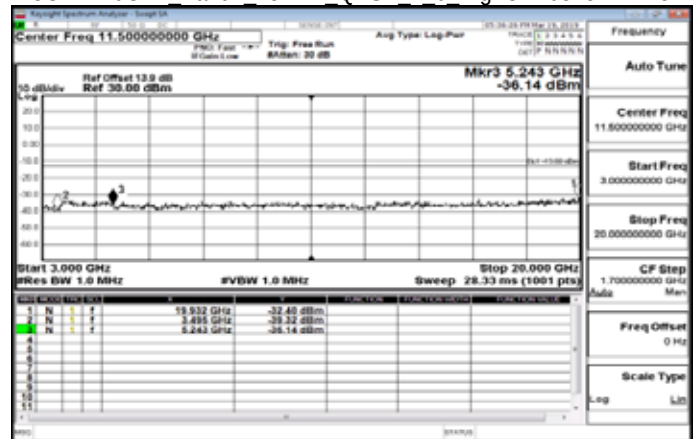
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30MHz~3GHz Band4 15MHz QPSK 1 0 MidCH20175-1732.5



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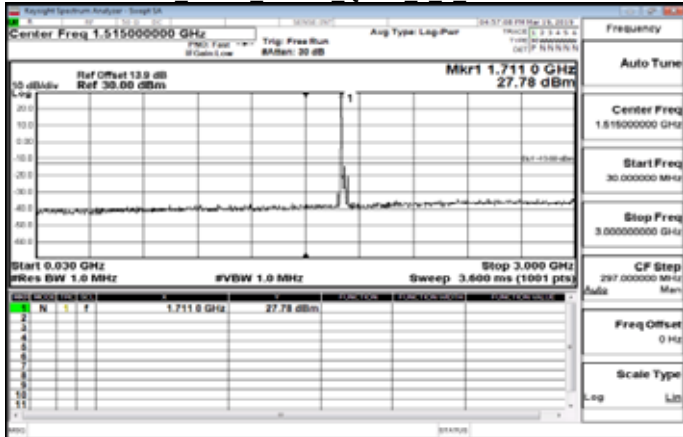


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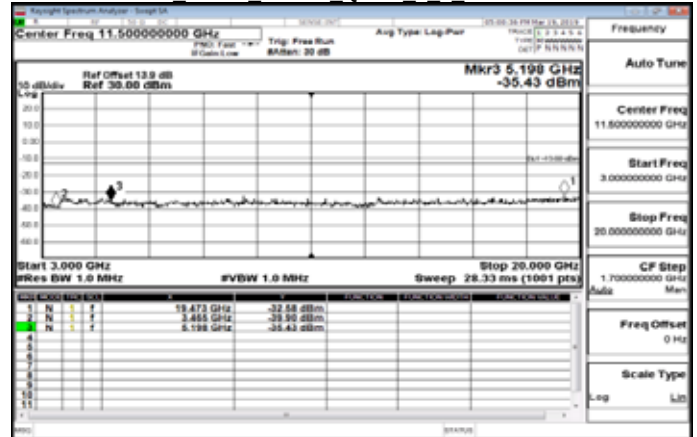
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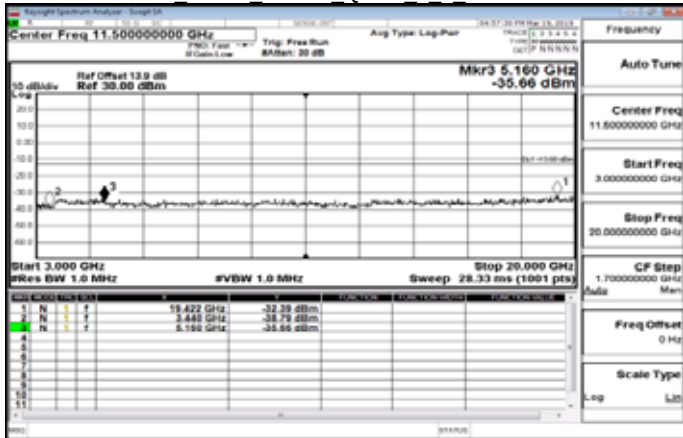
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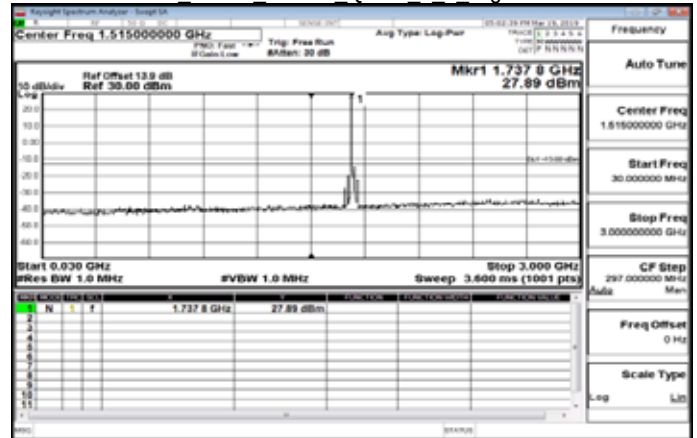
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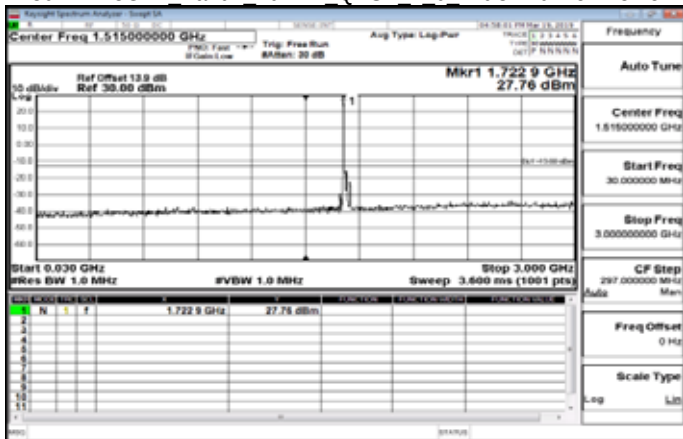
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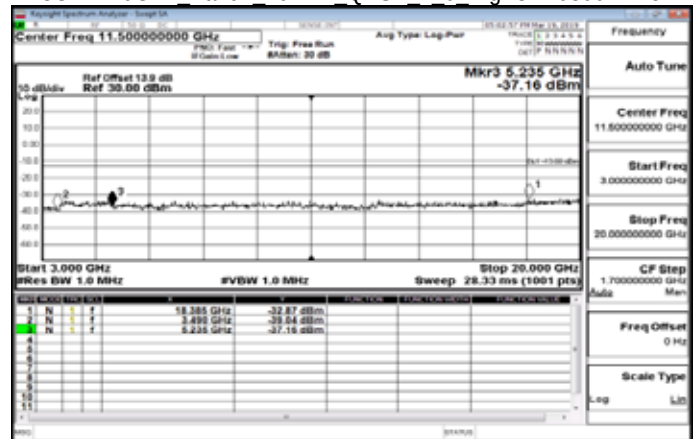
30MHz~3GHz Band4 20MHz QPSK 1 0 HighCH20300-1745



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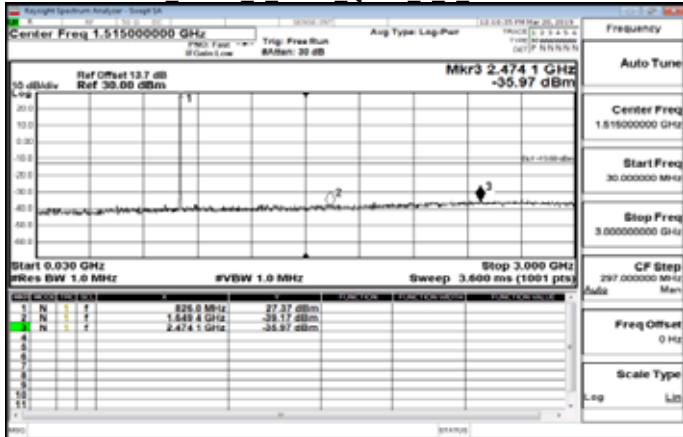


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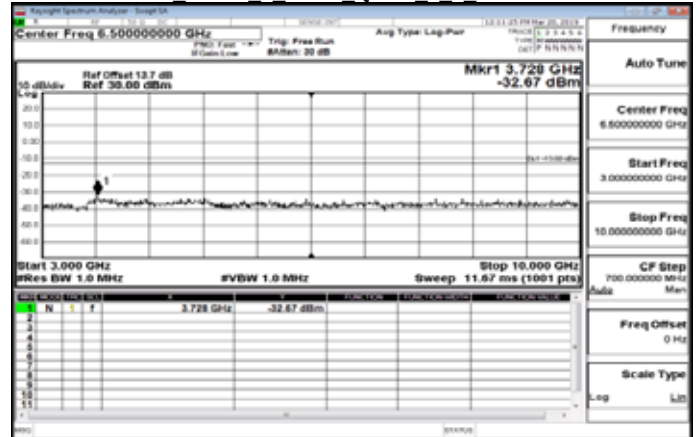
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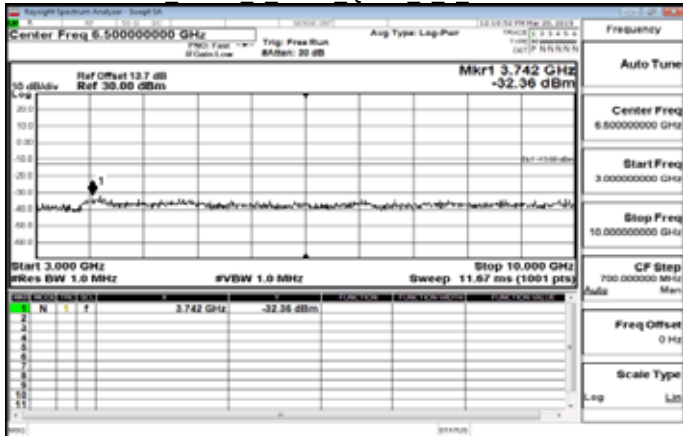
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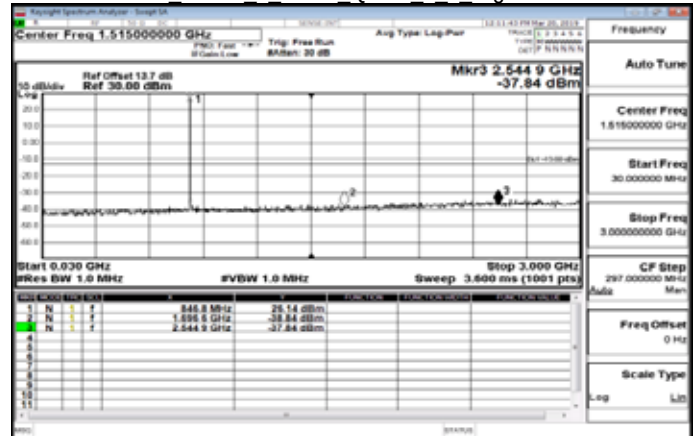
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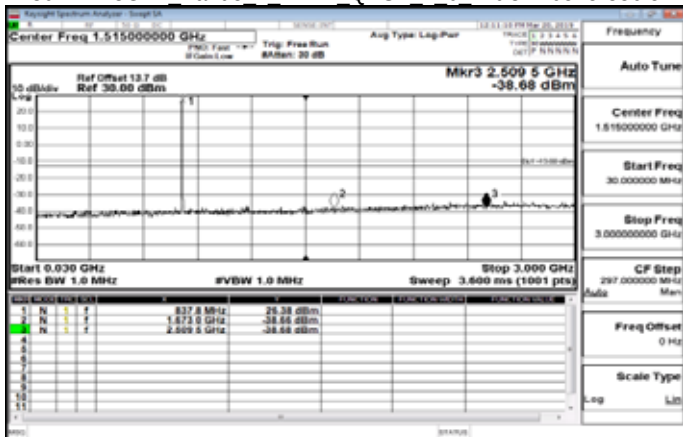
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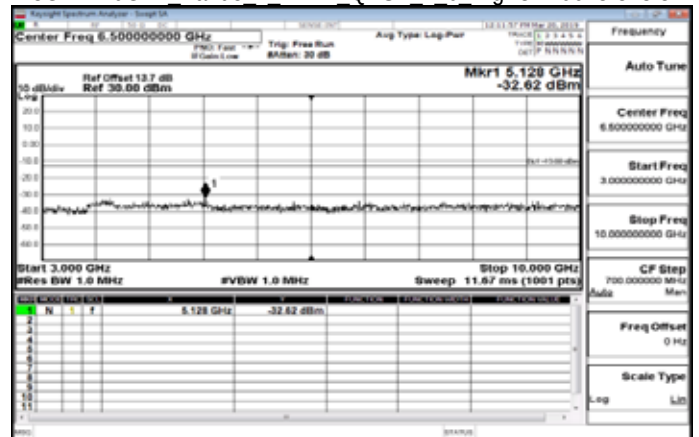
30MHz~3GHz Band5 1 4MHz QPSK 1 0 HighCH20643-848.3



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



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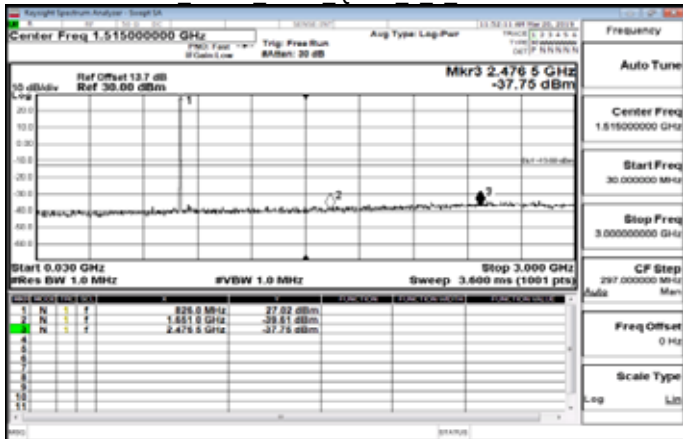


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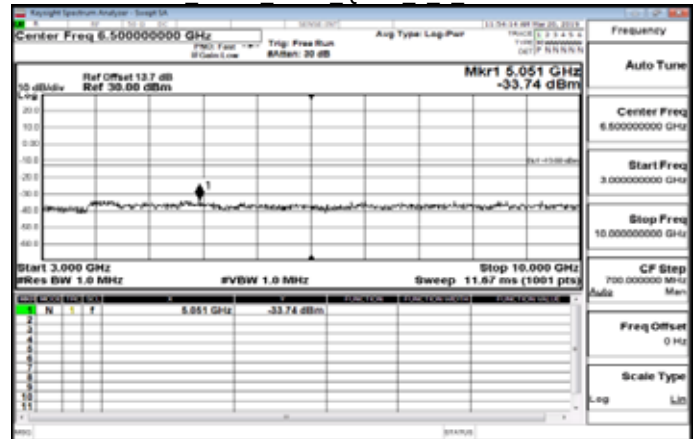
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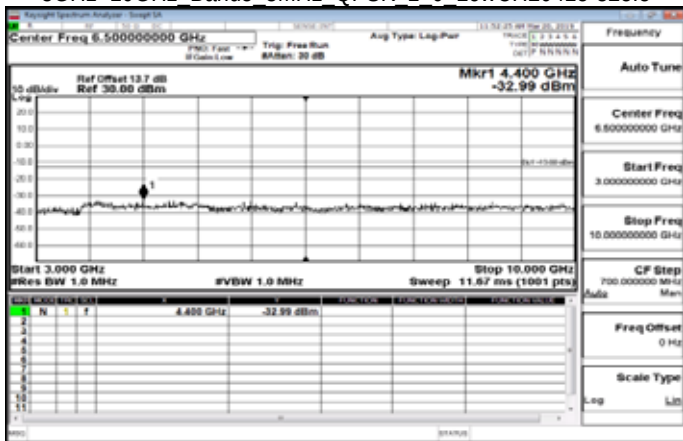
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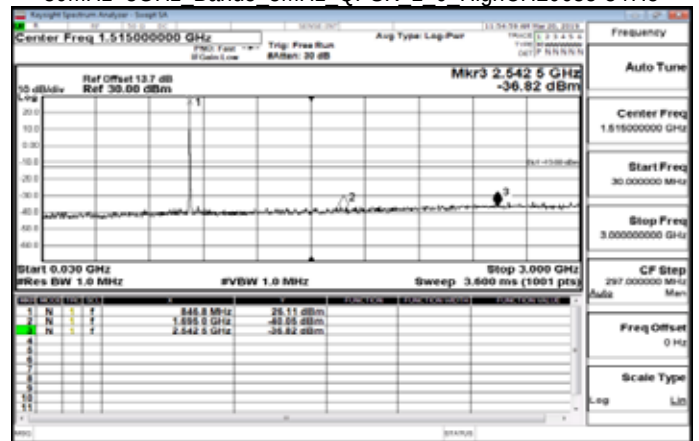
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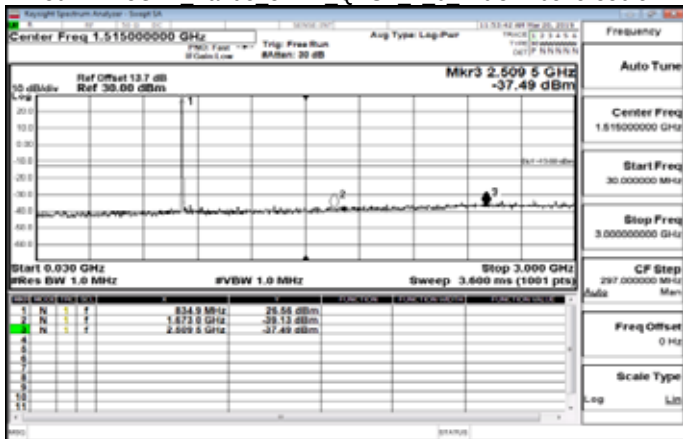
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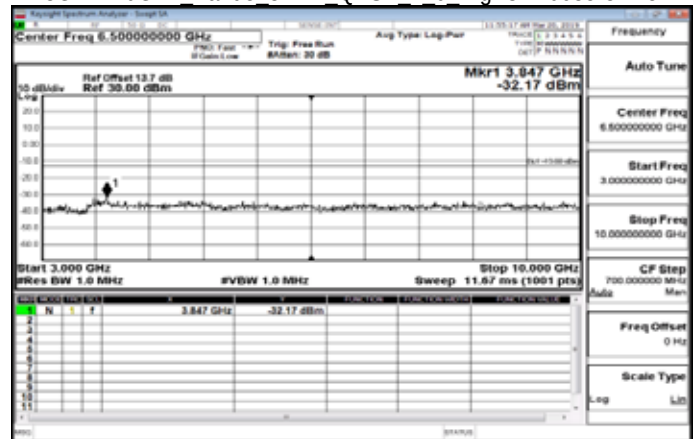
30MHz~3GHz Band5 3MHz QPSK 1 0 HighCH20635-847.5



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



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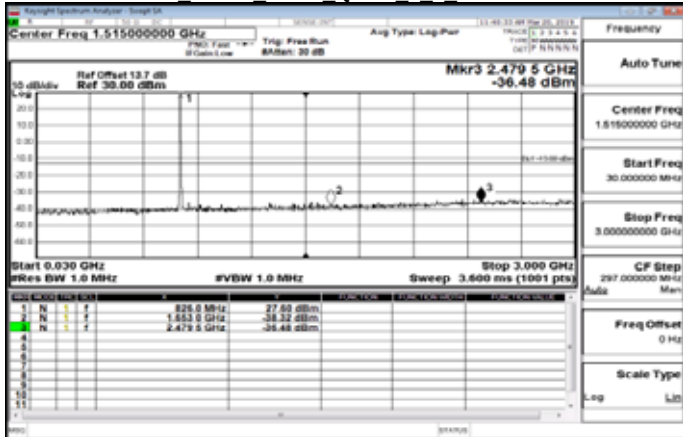


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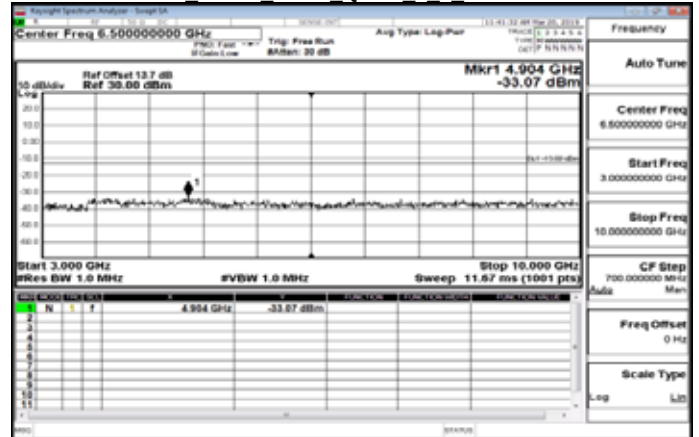
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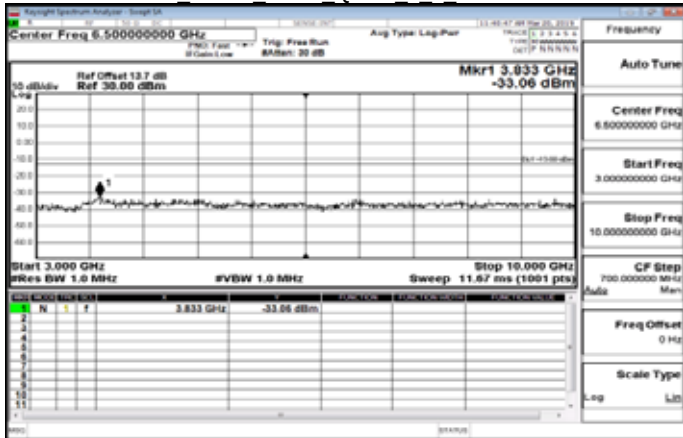
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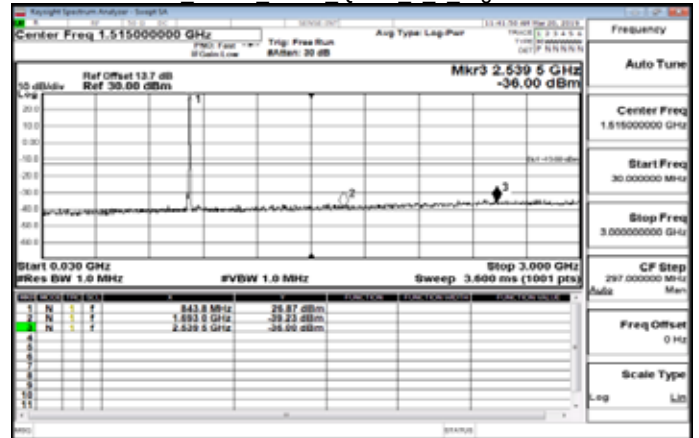
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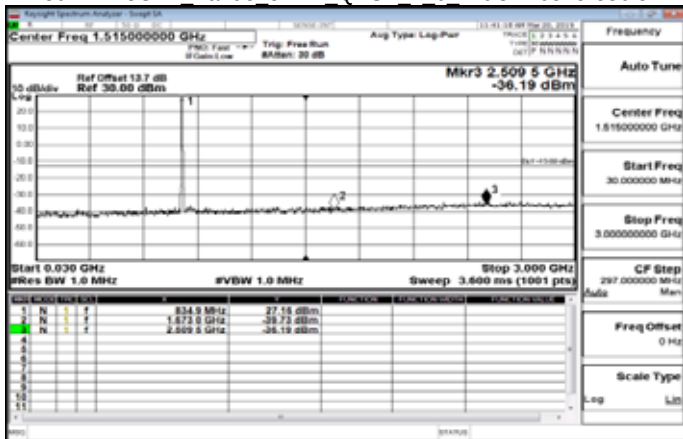
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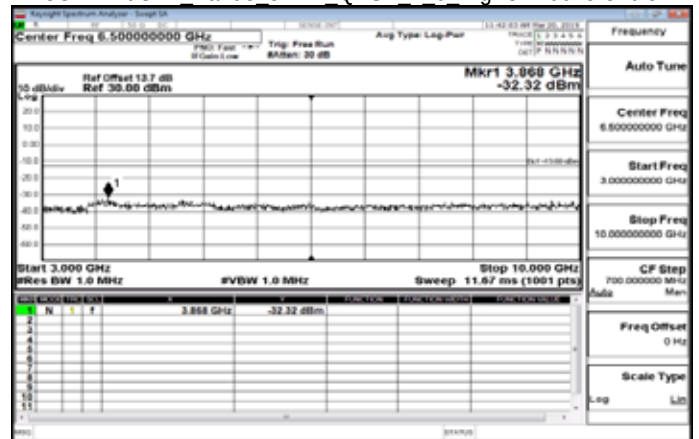
30MHz~3GHz Band5 5MHz QPSK 1 0 HighCH20625-846.5



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



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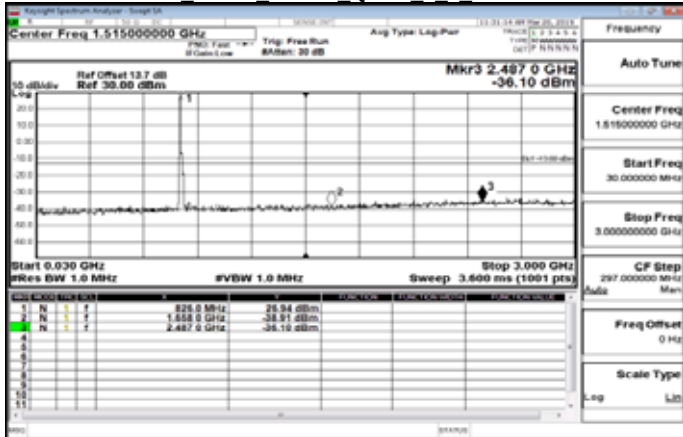


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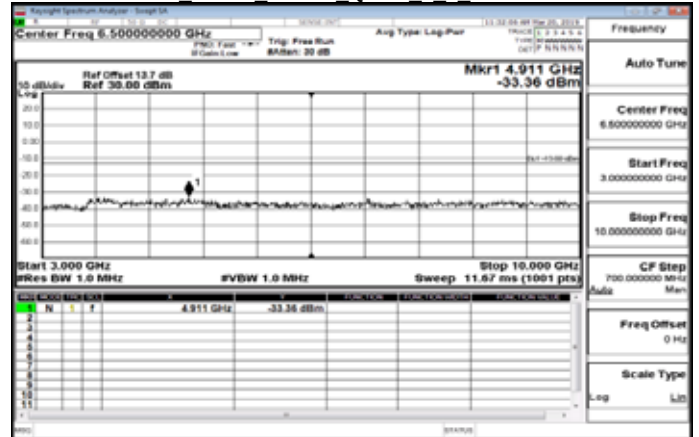
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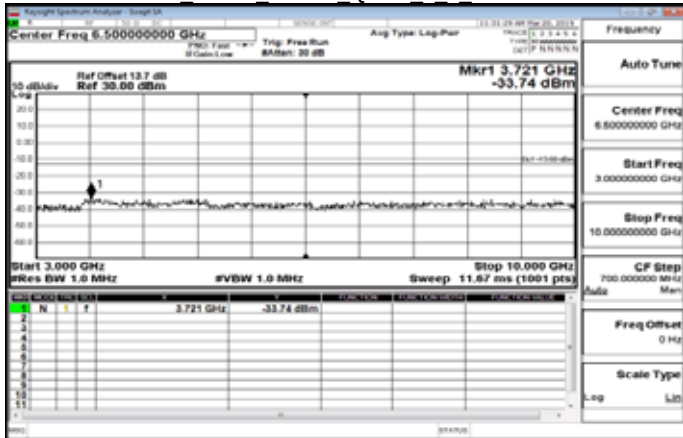
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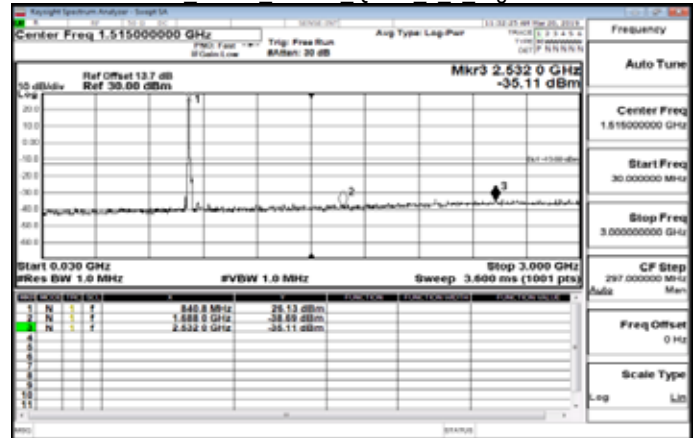
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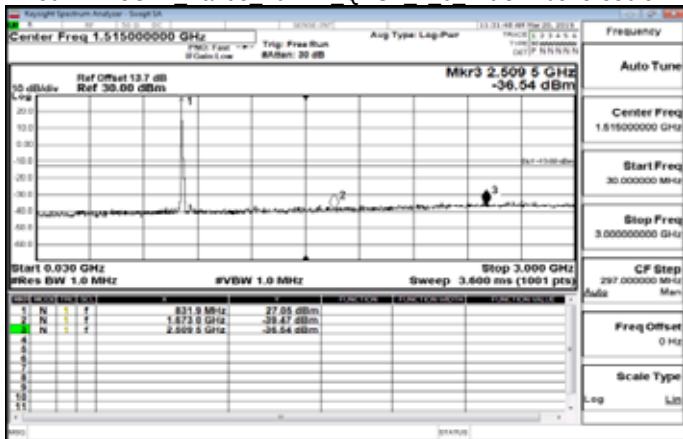
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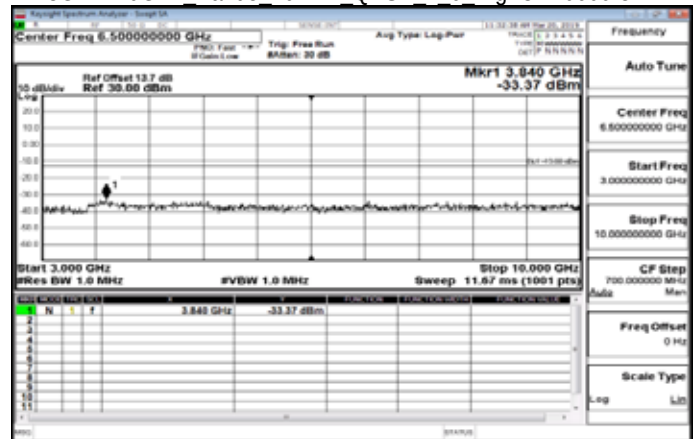
30MHz~3GHz Band5 10MHz QPSK 1 0 HighCH20600-844



30MHz~3GHz Band5 10MHz QPSK 1 0 MidCH20525-836.5



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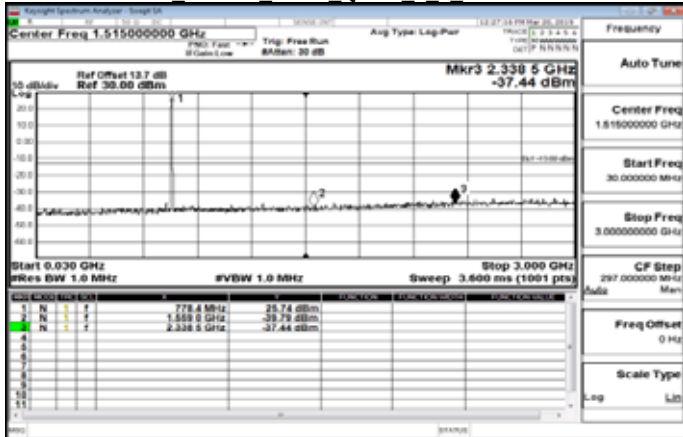


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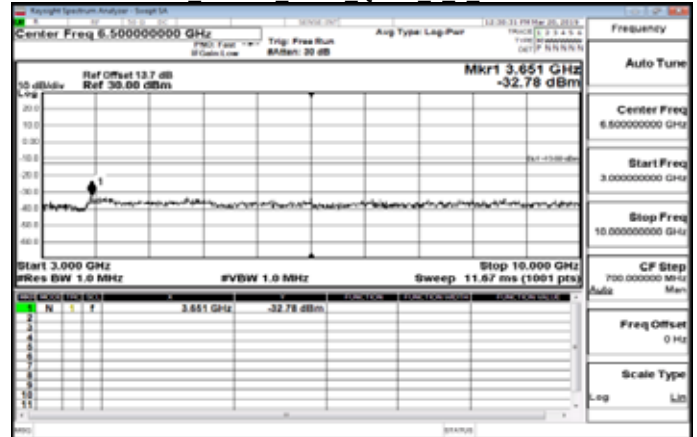
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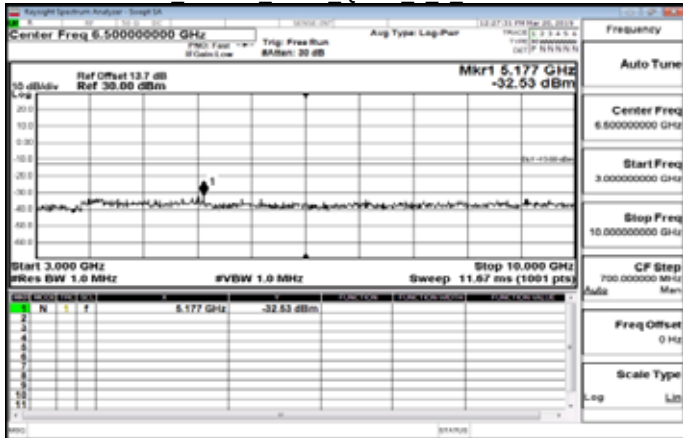
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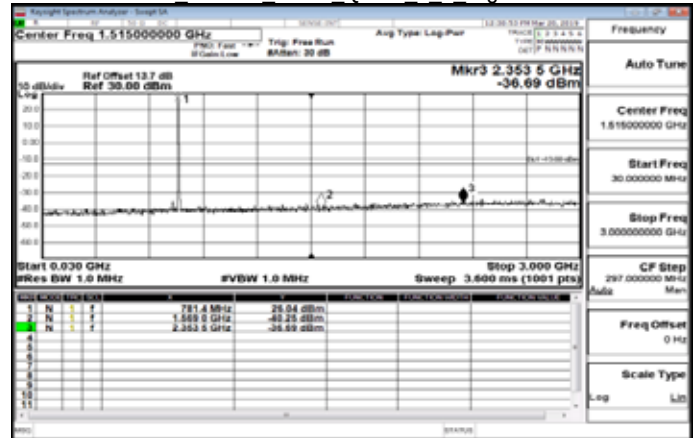
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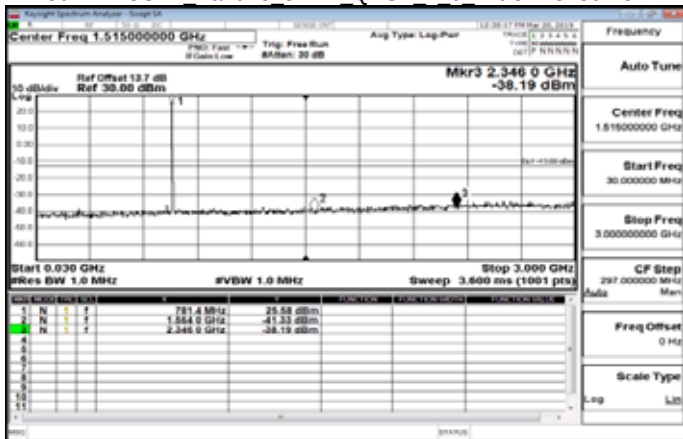
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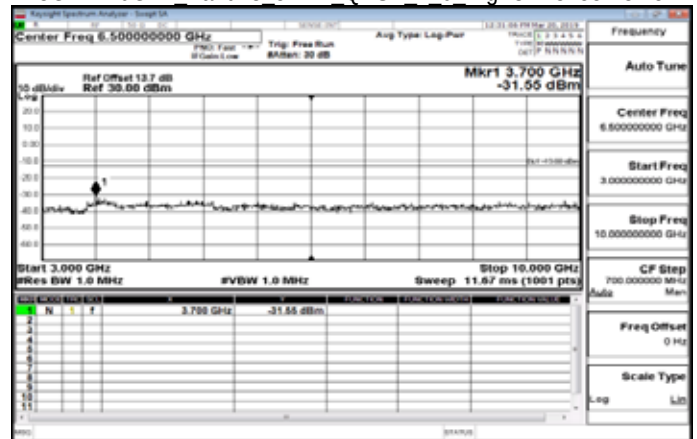
30MHz~3GHz Band13 5MHz QPSK 1 0 HighCH23255-784.5



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



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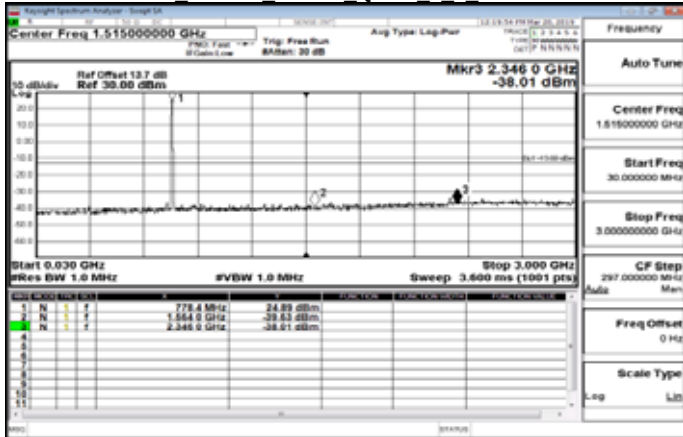


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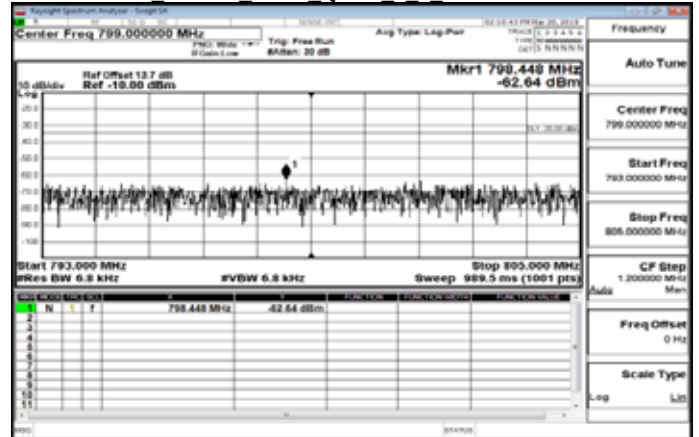
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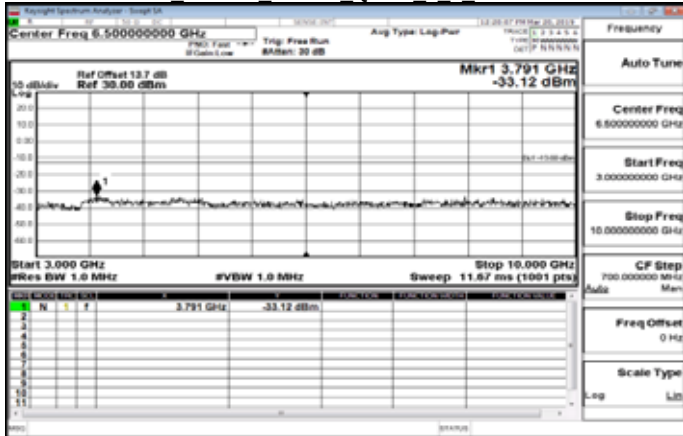
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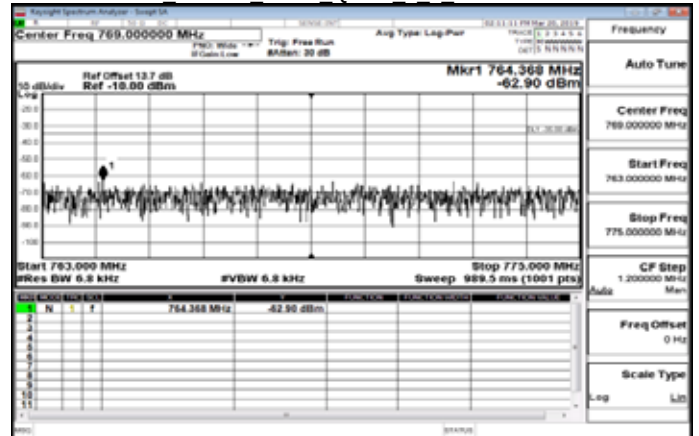
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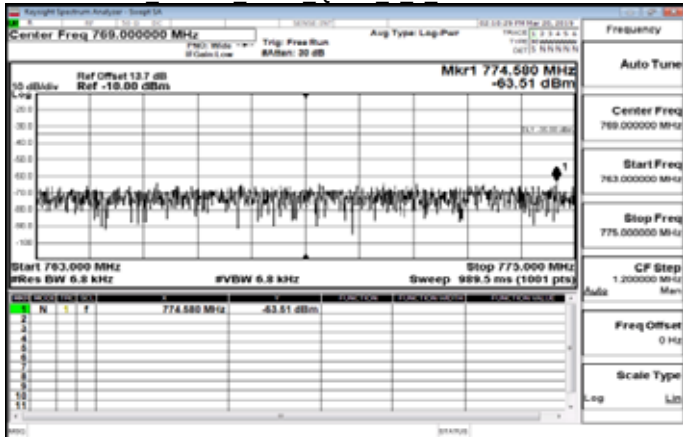
3GHz~10GHz Band13 10MHz QPSK 1 0 Low CH23230-782



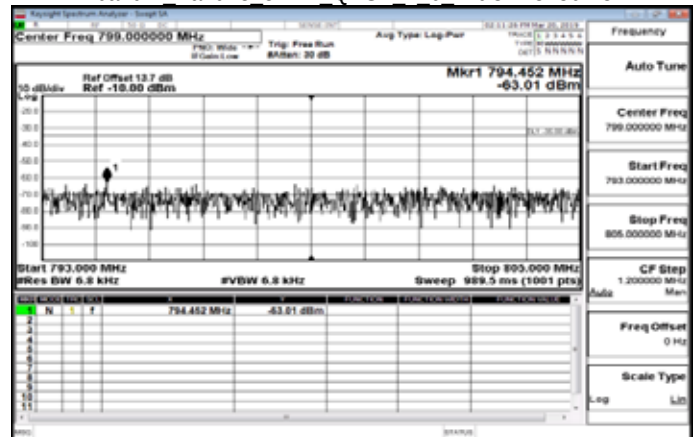
Inband-1 Band13 5MHz QPSK 1 0 MidCH23230-782



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



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

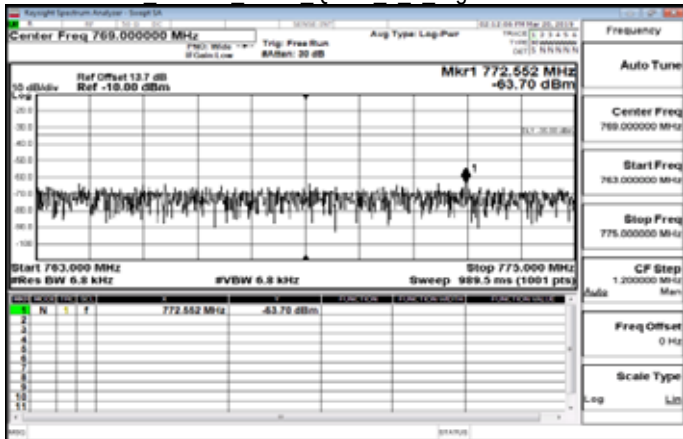


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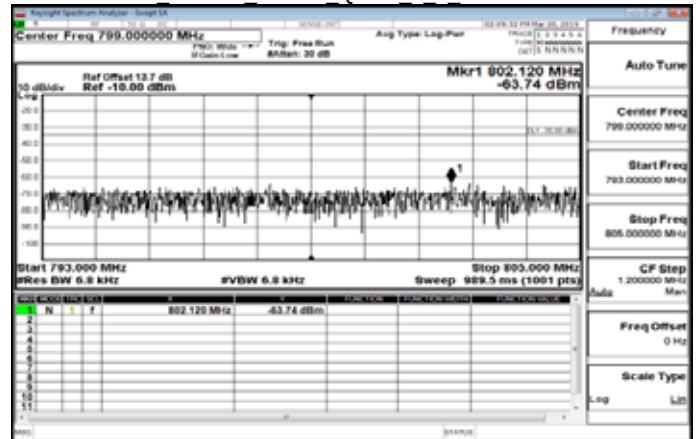
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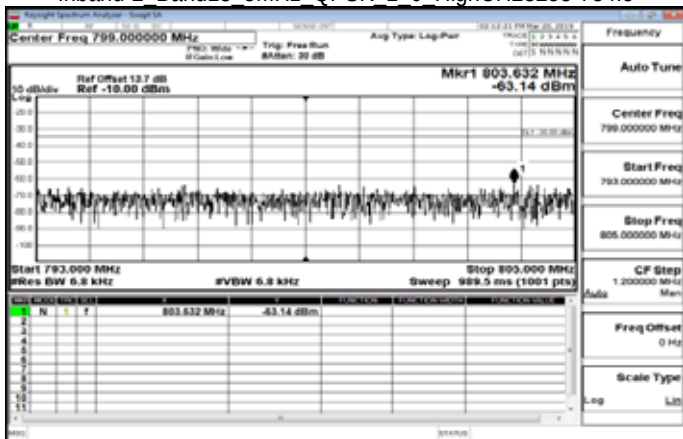
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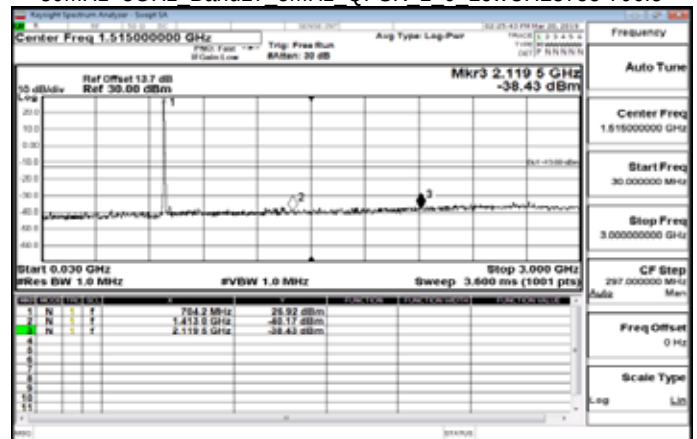
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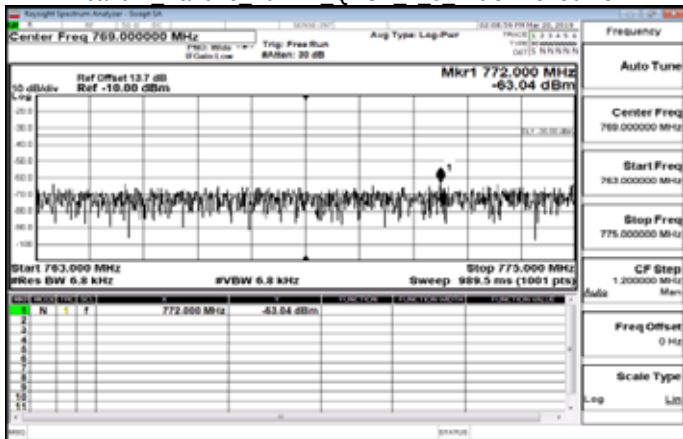
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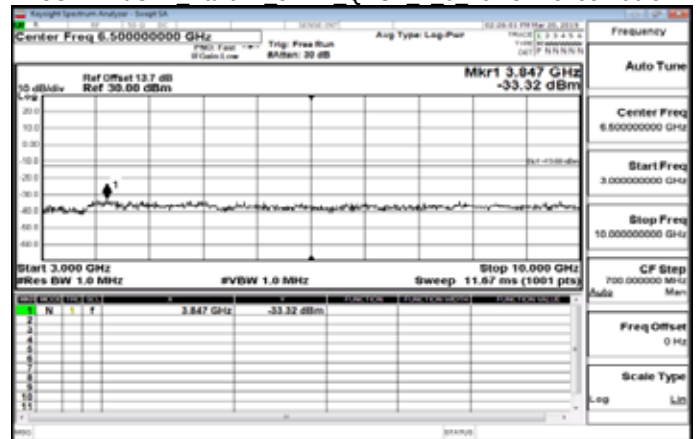
30MHz~3GHz Band17 5MHz QPSK 1 0 LowCH23755-706.5



Inband-1 Band13 10MHz QPSK 1 0 MidCH23230-782



3GHz~10GHz Band17 5MHz QPSK 1 0 LowCH23755-706.5

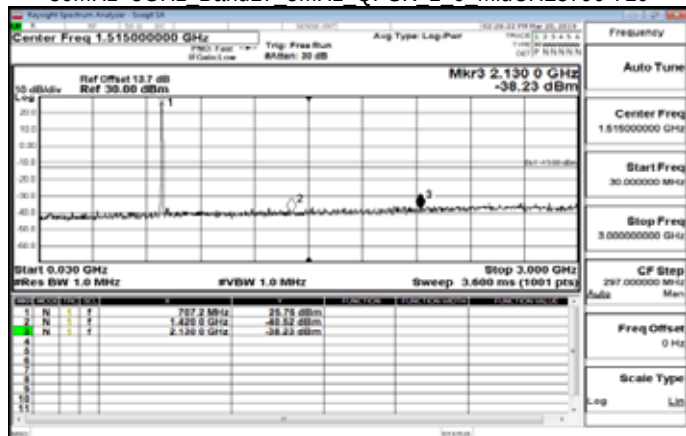


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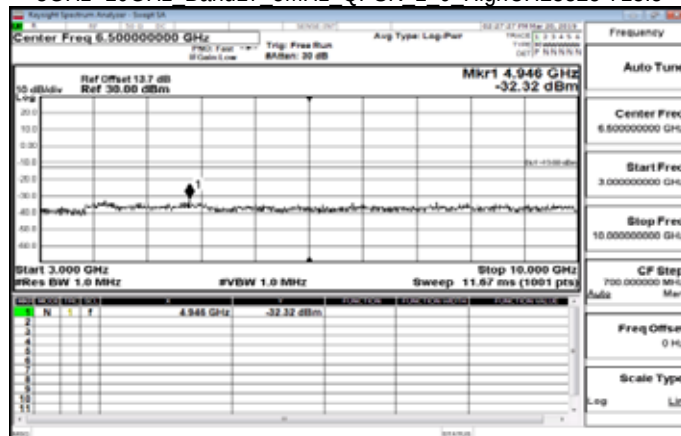
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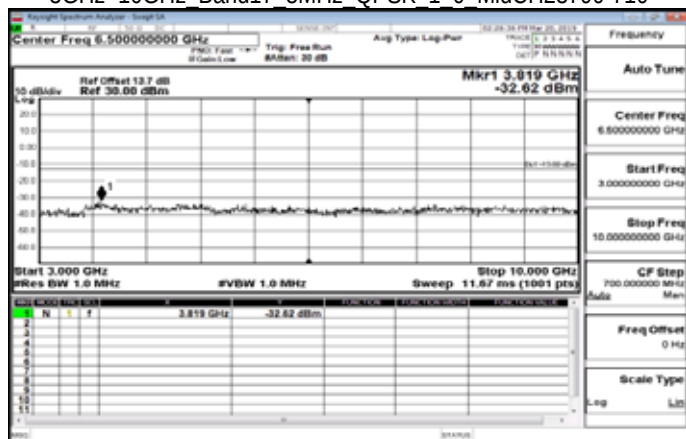
30MHz~3GHz Band17 5MHz QPSK 1 0 MidCH23790-710



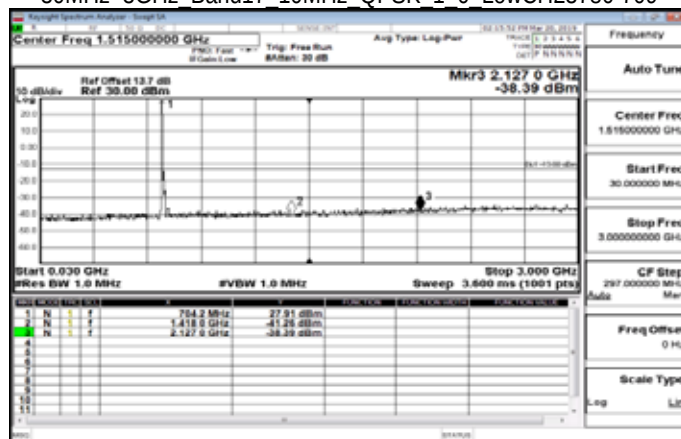
3GHz~10GHz Band17 5MHz QPSK 1 0 HighCH23825-713.5



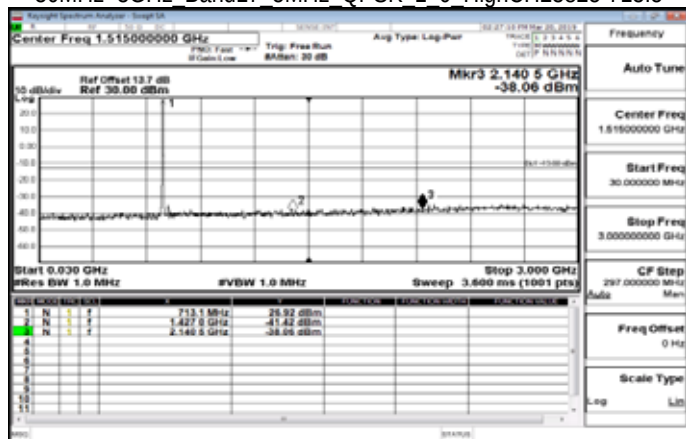
3GHz~10GHz Band17 5MHz QPSK 1 0 MidCH23790-710



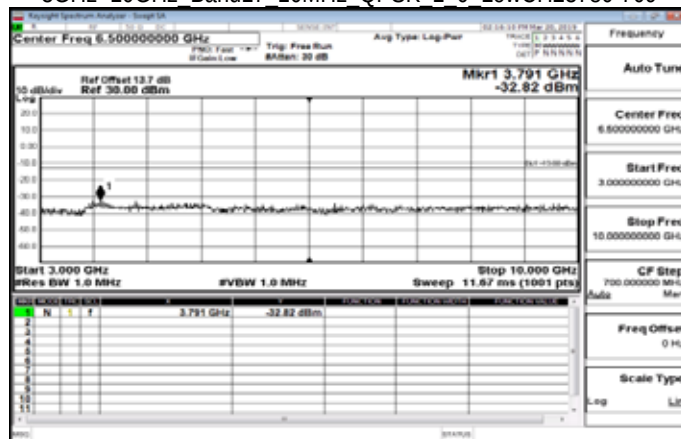
30MHz~3GHz Band17 10MHz QPSK 1 0 LowCH23780-709



30MHz~3GHz Band17 5MHz QPSK 1 0 HighCH23825-713.5



3GHz~10GHz Band17 10MHz QPSK 1 0 LowCH23780-709

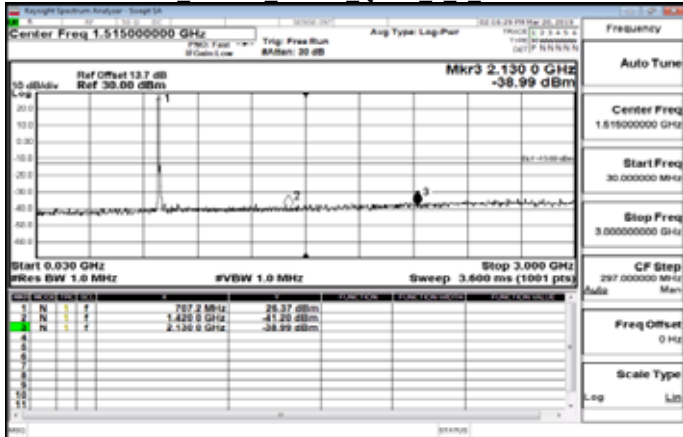


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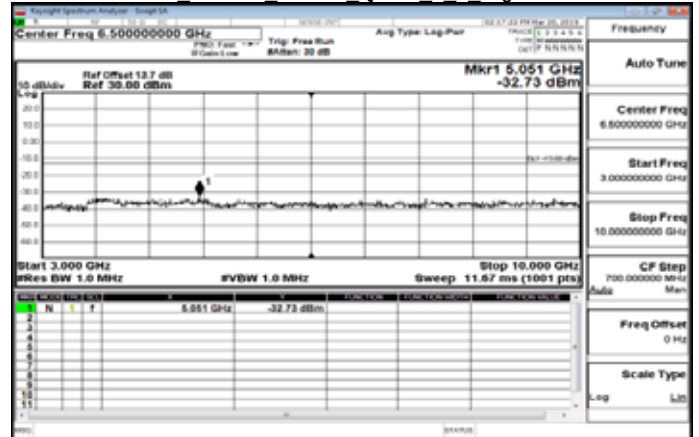
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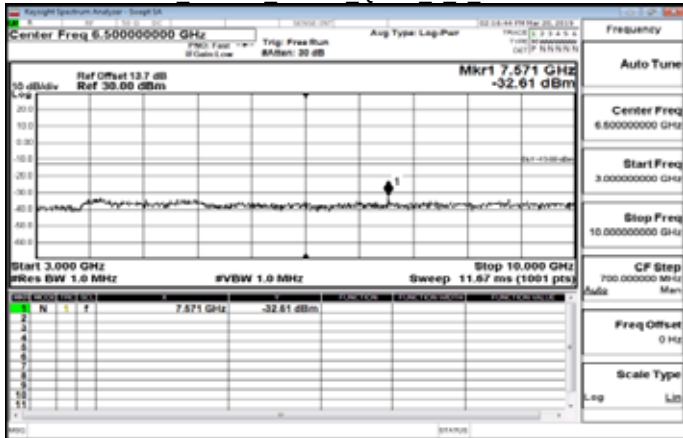
30MHz~3GHz Band17 10MHz QPSK 1 0 MidCH23790-710



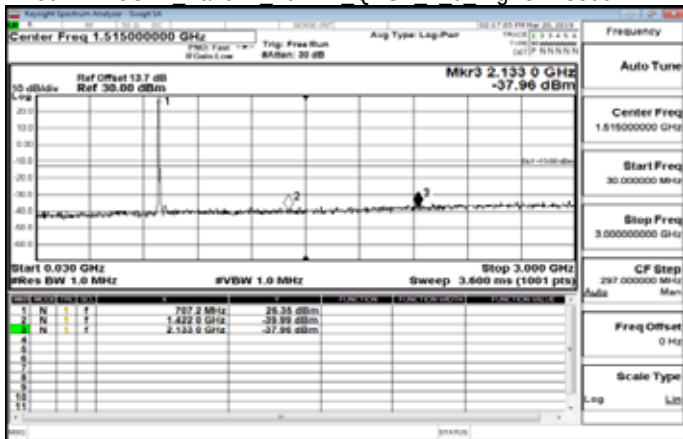
3GHz~10GHz Band17 10MHz QPSK 1 0 HighCH23800-711



3GHz~10GHz Band17 10MHz QPSK 1 0 MidCH23790-710



30MHz~3GHz Band17 10MHz QPSK 1 0 HighCH23800-711



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

FCC §27.53(g) (h)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

FCC §27.53(h) (3)

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

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FCC §27.53(m) (4)

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

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

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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	$43 + 10 \log_{10}(p)^{\text{Note}}$
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	$43 + 10 \log_{10}(p)^{\text{Note}}$
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.

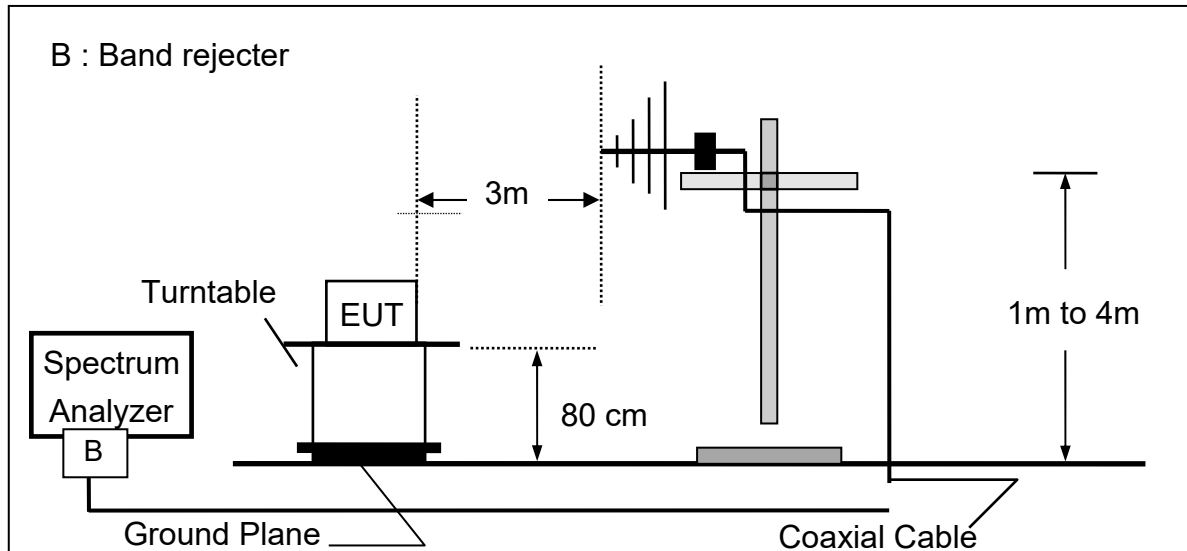
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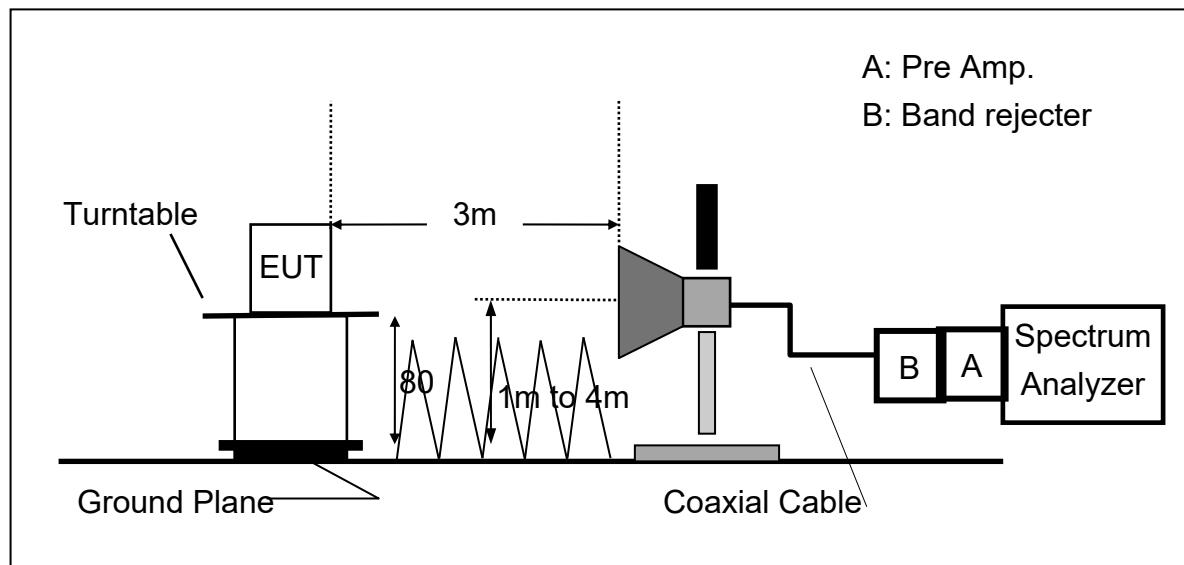
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9.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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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.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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9.4. Measurement Equipment Used:

966A Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bilog Antenna	Sunol Sciences	JB1	A052609	03/06/2019	03/05/2020
Cable	HUBER SUHNER	SUCOFLEX 104PEA	23452	06/29/2018	06/28/2019
Cable	HUBER SUHNER	SUCOFLEX 104PEA	33960	06/29/2018	06/28/2019
Digital Radio Communication Tester	R&S	CMU200	116604	07/19/2018	07/18/2019
Digital Ther-mo-Hygro Meter	WISEWIND	1110	D06	01/30/2019	01/29/2020
Horn Antenna	SCHWARZBECK	BBHA 9120D	779	03/09/2019	03/08/2020
Pre-Amplifier	Anritsu	MH648A	M89145	06/29/2018	06/28/2019
Pre-Amplifier	EMEC	EM01G26G	060570	06/29/2018	06/28/2019
Signal Analyzer	Agilent	N9010A	MY52220817	03/20/2019	03/19/2020
Wideband Radio Communication Tester	R&S	CMW 500	116875	04/20/2018	04/19/2019
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	EZ-EMC (CCS-3A1RE)				

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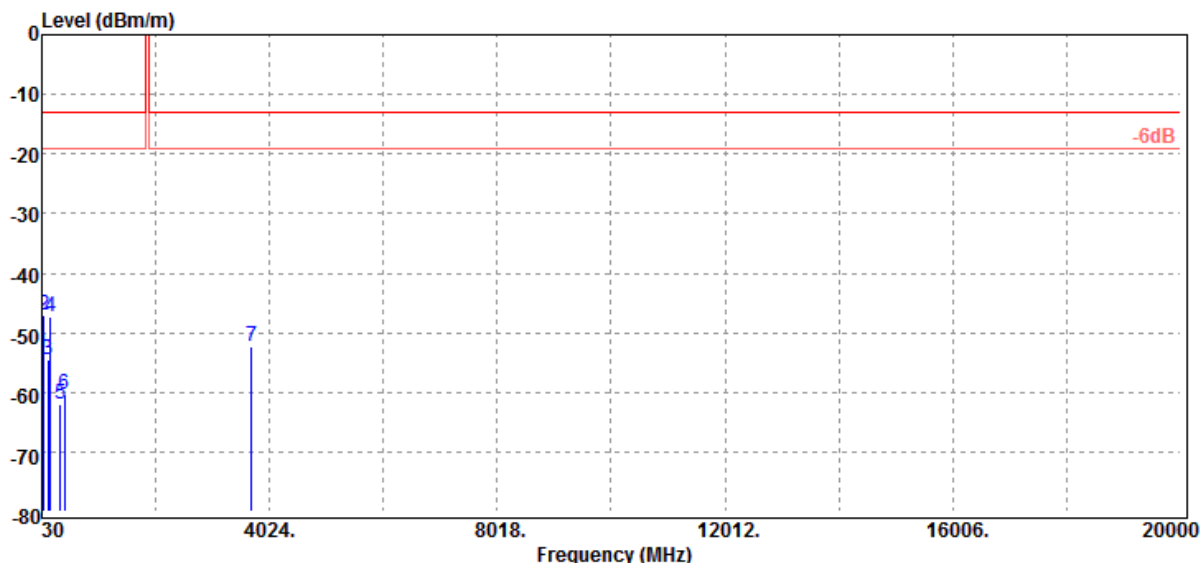
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9.5. Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Operation Band	:WCDMA B2	Test Date	:2019-03-27
Fundamental Frequency	:1852.4 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH LOW	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
37.76	-53.35	-30.53	-22.29	-0.52	-13.00	-40.35
71.71	-47.05	-36.87	-9.48	-0.70	-13.00	-34.05
144.46	-54.46	-45.72	-7.75	-0.99	-13.00	-41.46
178.41	-47.28	-41.57	-4.61	-1.10	-13.00	-34.28
350.10	-61.87	-58.77	-1.55	-1.55	-13.00	-48.87
420.91	-60.26	-56.71	-1.85	-1.70	-13.00	-47.26
3704.80	-52.29	-56.91	10.34	-5.72	-13.00	-39.29

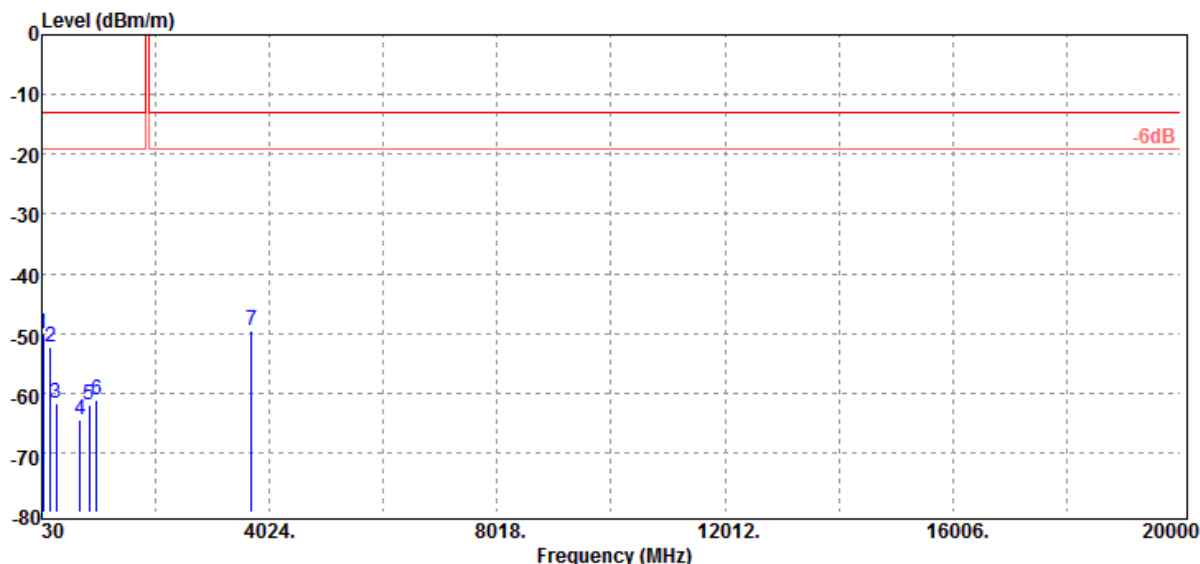
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Operation Band :WCDMA B2
Fundamental Frequency :1852.4 MHz
Operation Mode :TX CH LOW
EUT Pol. :H Plan

Test Date :2019-03-27
Temp./Humi. :23/58
Engineer :Jerry
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
46.49	-50.01	-35.07	-14.37	-0.58	-13.00	-37.01
178.41	-52.22	-46.51	-4.61	-1.10	-13.00	-39.22
279.29	-61.60	-57.66	-2.56	-1.38	-13.00	-48.60
702.21	-64.60	-60.92	-1.45	-2.23	-13.00	-51.60
864.20	-62.02	-58.27	-1.27	-2.48	-13.00	-49.02
985.45	-61.04	-57.03	-1.36	-2.66	-13.00	-48.04
3704.80	-49.67	-54.29	10.34	-5.72	-13.00	-36.67

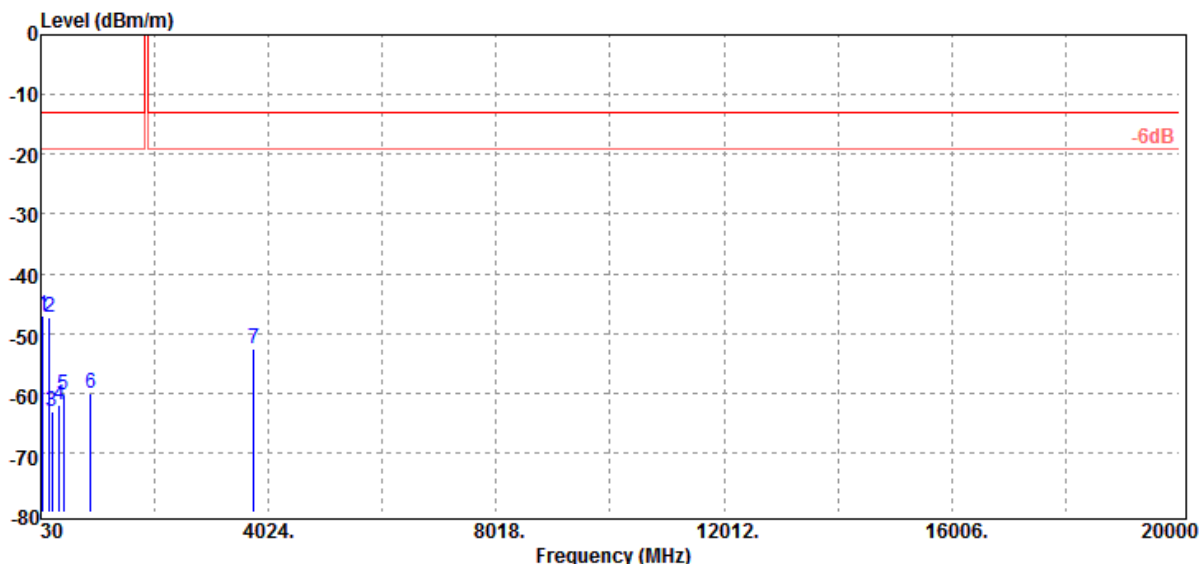
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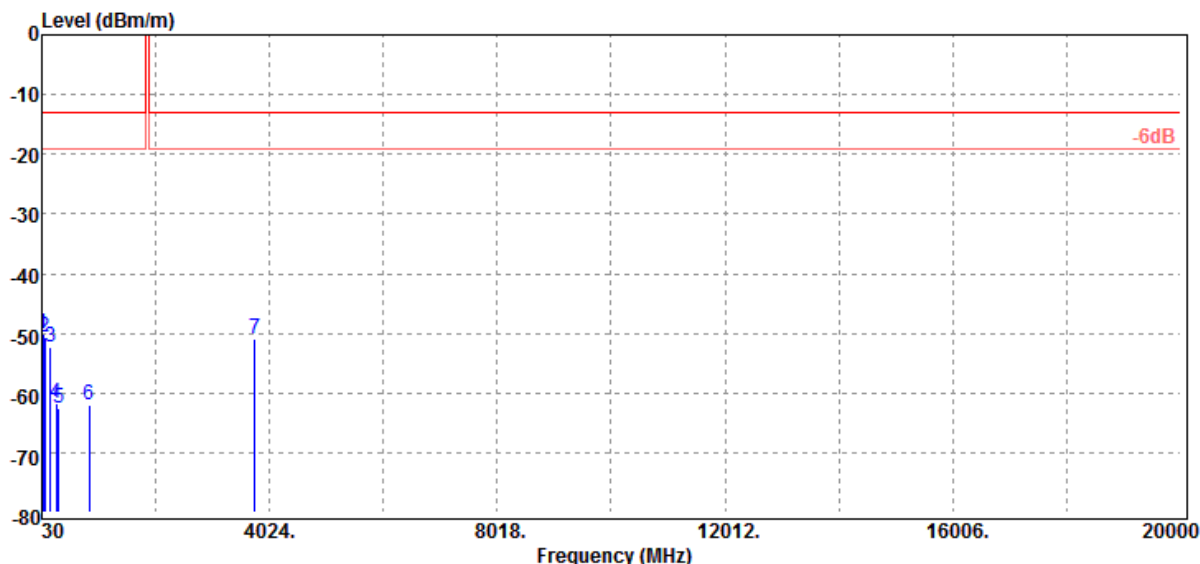
Operation Band :WCDMA B2
Fundamental Frequency :1880 MHz
Operation Mode :TX CH MID
EUT Pol. :H Plan

Test Date :2019-03-27
Temp./Humi. :23/58
Engineer :Jerry
Measurement Antenna Pol. :VERTICAL



Operation Band :WCDMA B2
Fundamental Frequency :1880 MHz
Operation Mode :TX CH MID
EUT Pol. :H Plan

Test Date :2019-03-27
Temp./Humi. :23/58
Engineer :Jerry
Measurement Antenna Pol. :HORIZONTAL



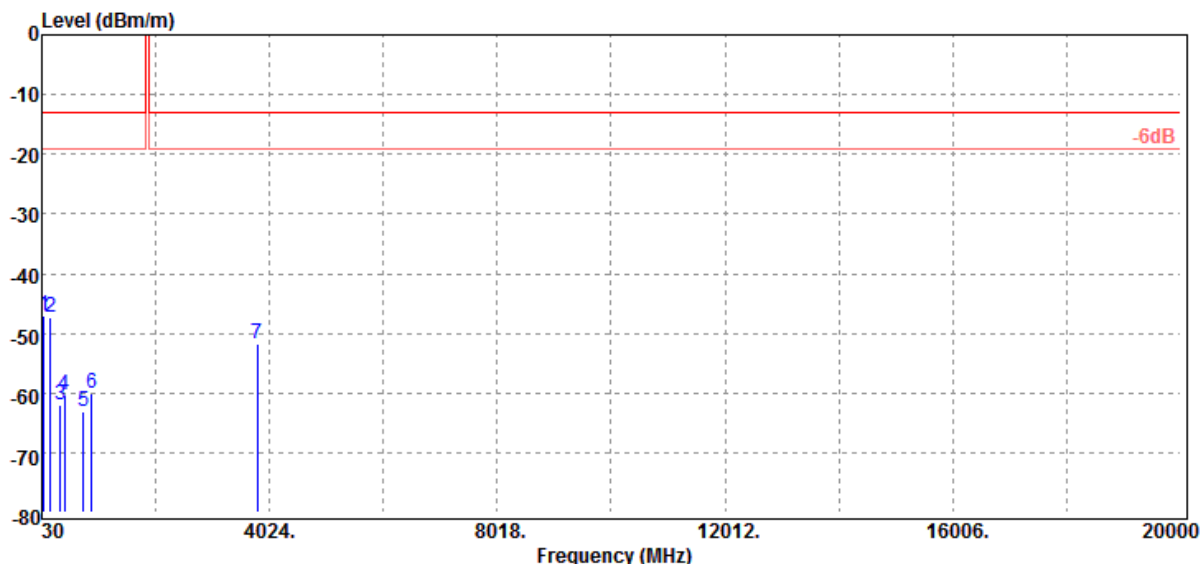
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
46.49	-50.01	-35.07	-14.37	-0.58	-13.00	-37.01
73.65	-50.52	-40.53	-9.28	-0.71	-13.00	-37.52
178.41	-52.22	-46.51	-4.61	-1.10	-13.00	-39.22
279.29	-61.60	-57.66	-2.56	-1.38	-13.00	-48.60
319.06	-62.67	-59.33	-1.87	-1.48	-13.00	-49.67
864.20	-62.02	-58.27	-1.27	-2.48	-13.00	-49.02
3760.00	-50.81	-55.39	10.27	-5.69	-13.00	-37.81

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Operation Band	:WCDMA B2	Test Date	:2019-03-27
Fundamental Frequency	:1907.6 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH HIGH	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
71.71	-47.05	-36.87	-9.48	-0.70	-13.00	-34.05
178.41	-47.28	-41.57	-4.61	-1.10	-13.00	-34.28
350.10	-61.87	-58.77	-1.55	-1.55	-13.00	-48.87
420.91	-60.26	-56.71	-1.85	-1.70	-13.00	-47.26
765.26	-62.98	-59.31	-1.35	-2.33	-13.00	-49.98
898.15	-59.99	-56.20	-1.25	-2.54	-13.00	-46.99
3815.20	-51.83	-56.39	10.32	-5.76	-13.00	-38.83

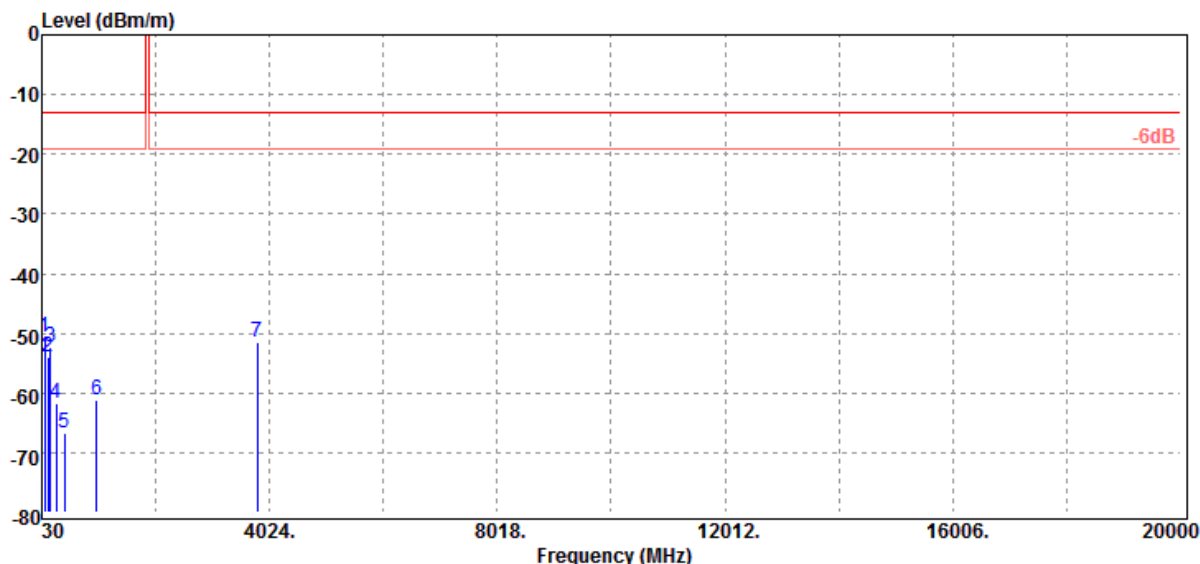
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Operation Band :WCDMA B2
Fundamental Frequency :1907.6 MHz
Operation Mode :TX CH HIGH
EUT Pol. :H Plan

Test Date :2019-03-27
Temp./Humi. :23/58
Engineer :Jerry
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
73.65	-50.52	-40.53	-9.28	-0.71	-13.00	-37.52
136.70	-54.03	-43.99	-9.07	-0.96	-13.00	-41.03
178.41	-52.22	-46.51	-4.61	-1.10	-13.00	-39.22
279.29	-61.60	-57.66	-2.56	-1.38	-13.00	-48.60
424.79	-66.74	-63.18	-1.85	-1.71	-13.00	-53.74
985.45	-61.04	-57.03	-1.36	-2.66	-13.00	-48.04
3815.20	-51.53	-56.10	10.32	-5.76	-13.00	-38.53

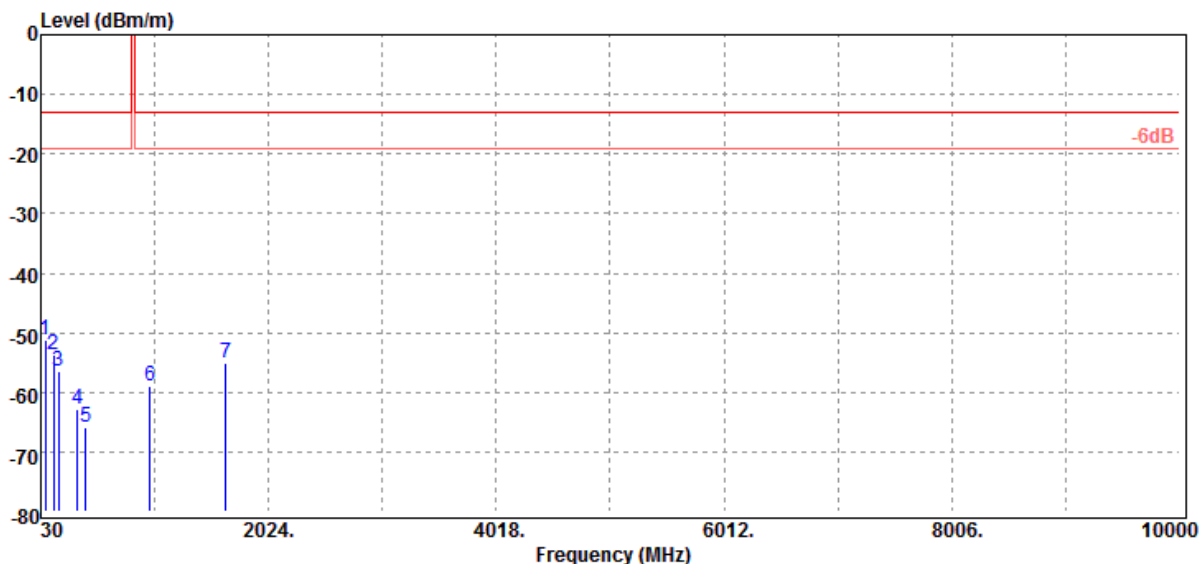
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Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Operation Band	:WCDMA B5	Test Date	:2019-03-27
Fundamental Frequency	:826.4 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH LOW	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:VERTICAL



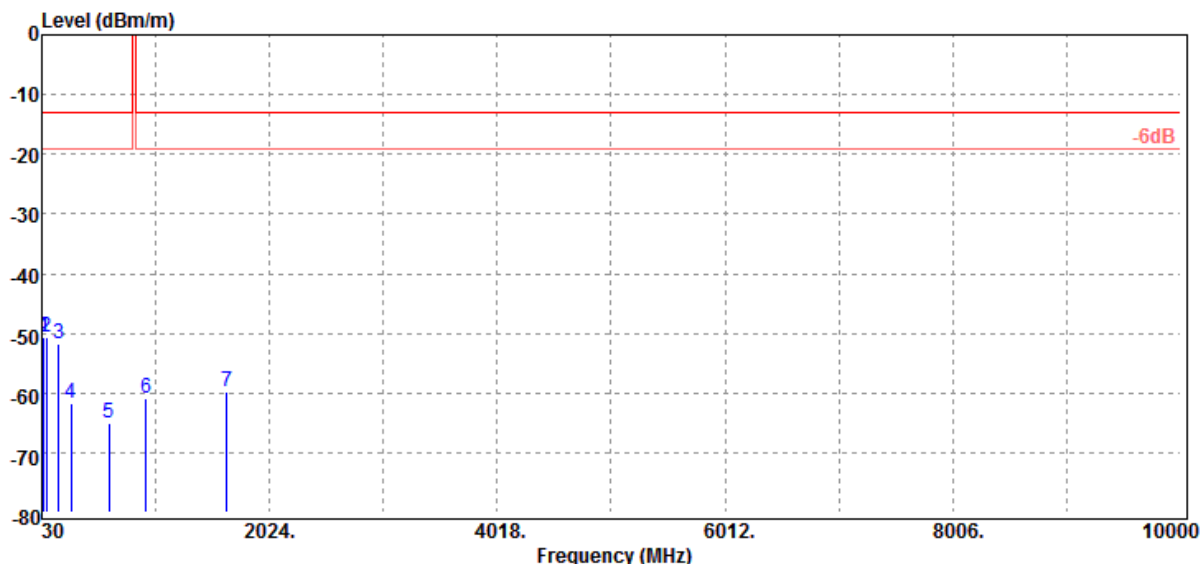
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
68.80	-51.21	-40.76	-9.77	-0.68	-13.00	-38.21
143.49	-53.61	-44.70	-7.92	-0.99	-13.00	-40.61
188.11	-56.51	-51.40	-3.99	-1.13	-13.00	-43.51
350.10	-62.87	-59.76	-1.55	-1.55	-13.00	-49.87
422.85	-66.00	-62.44	-1.85	-1.71	-13.00	-53.00
987.39	-59.04	-54.98	-1.40	-2.66	-13.00	-46.04
1652.80	-55.11	-59.12	7.57	-3.55	-13.00	-42.11

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Operation Band	:WCDMA B5	Test Date	:2019-03-27
Fundamental Frequency	:826.4 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH LOW	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:HORIZONTAL



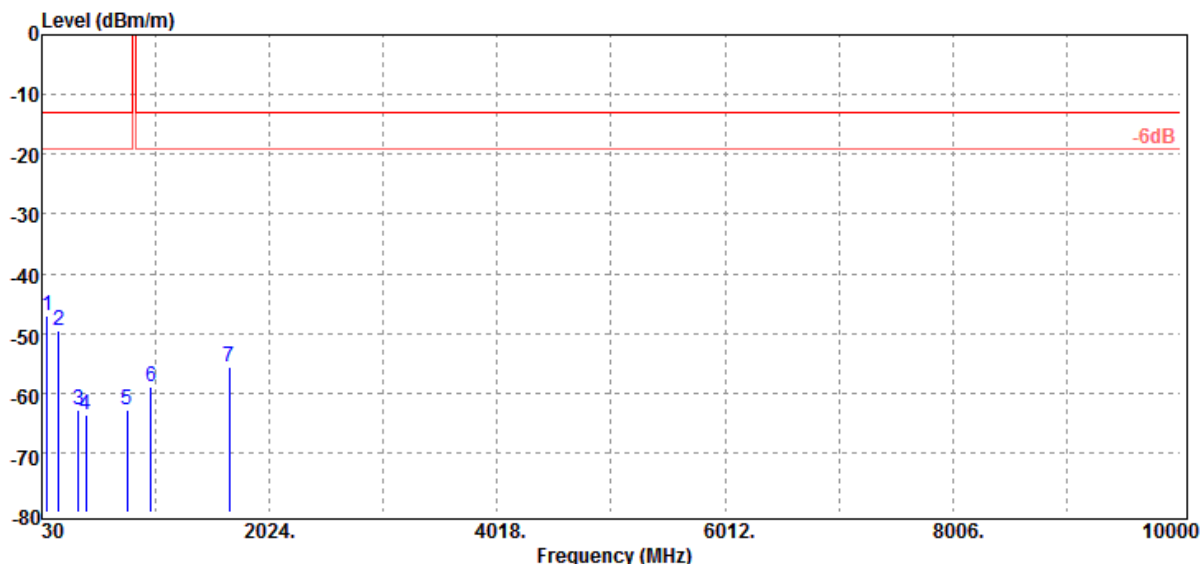
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
47.46	-50.76	-36.50	-13.68	-0.58	-13.00	-37.76
71.71	-50.54	-40.37	-9.48	-0.70	-13.00	-37.54
178.41	-51.78	-46.07	-4.61	-1.10	-13.00	-38.78
284.14	-61.75	-57.89	-2.47	-1.39	-13.00	-48.75
618.79	-65.00	-61.59	-1.33	-2.08	-13.00	-52.00
944.71	-60.91	-57.05	-1.25	-2.61	-13.00	-47.91
1652.80	-59.87	-63.88	7.57	-3.55	-13.00	-46.87

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Operation Band	:WCDMA B5	Test Date	:2019-03-27
Fundamental Frequency	:836.6 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH MID	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:VERTICAL



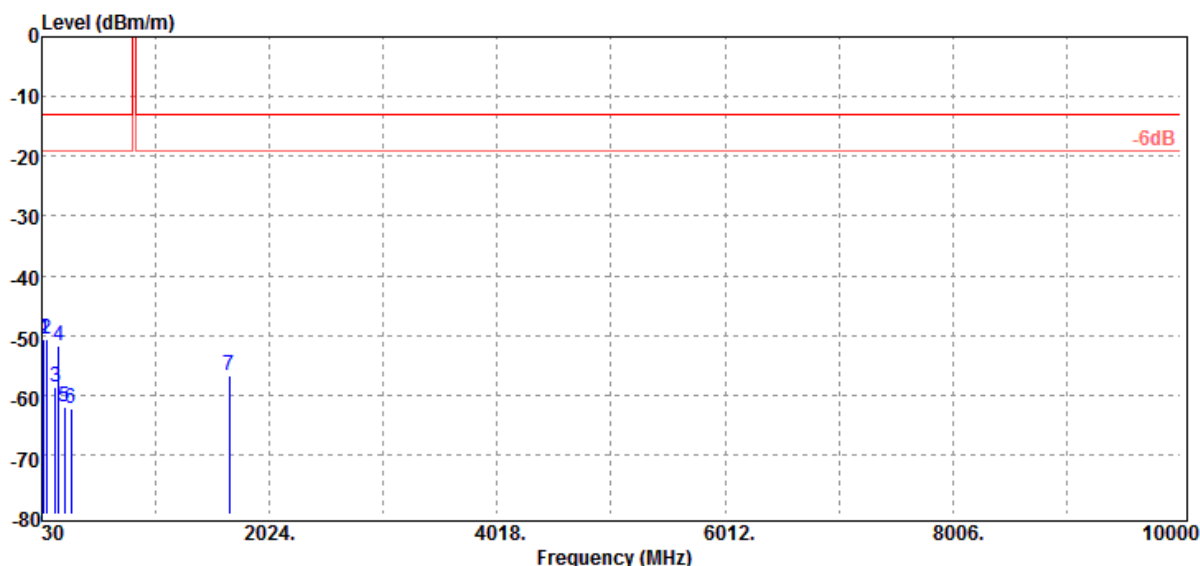
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
73.65	-46.97	-36.98	-9.28	-0.71	-13.00	-33.97
175.50	-49.62	-43.63	-4.90	-1.09	-13.00	-36.62
350.10	-62.87	-59.76	-1.55	-1.55	-13.00	-49.87
416.06	-63.73	-60.18	-1.85	-1.69	-13.00	-50.73
776.90	-62.97	-59.18	-1.45	-2.34	-13.00	-49.97
987.39	-59.04	-54.98	-1.40	-2.66	-13.00	-46.04
1673.20	-55.65	-59.76	7.69	-3.58	-13.00	-42.65

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Operation Band	:WCDMA B5	Test Date	:2019-03-27
Fundamental Frequency	:836.6 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH MID	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:HORIZONTAL



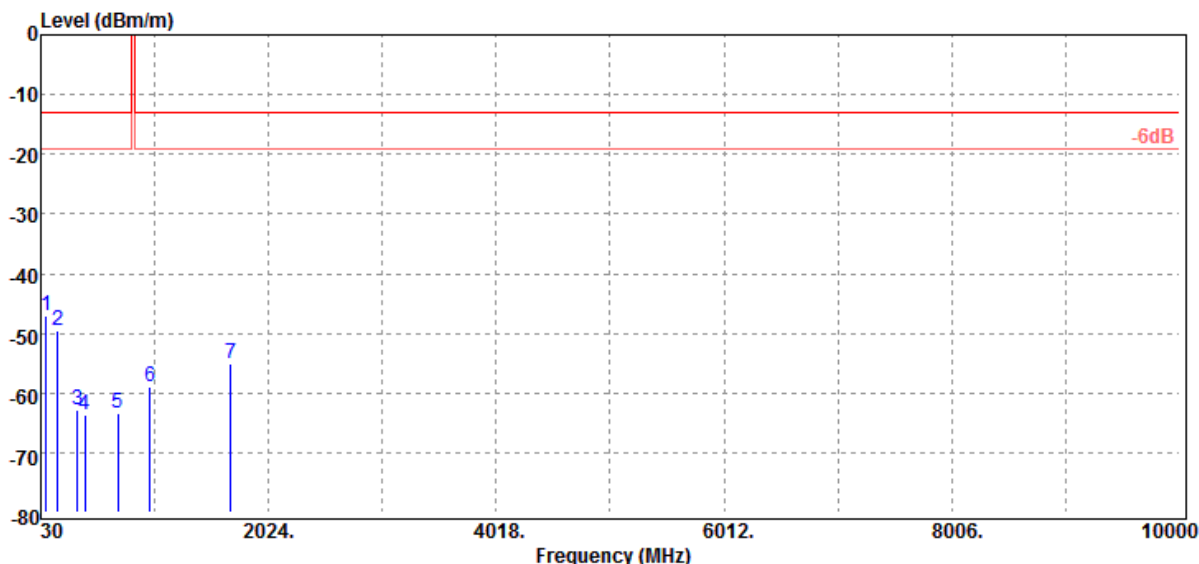
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
47.46	-50.76	-36.50	-13.68	-0.58	-13.00	-37.76
71.71	-50.54	-40.37	-9.48	-0.70	-13.00	-37.54
148.34	-58.56	-50.24	-7.31	-1.00	-13.00	-45.56
178.41	-51.78	-46.07	-4.61	-1.10	-13.00	-38.78
225.94	-61.95	-58.83	-1.89	-1.24	-13.00	-48.95
285.11	-62.34	-58.51	-2.44	-1.40	-13.00	-49.34
1673.20	-56.73	-60.84	7.69	-3.58	-13.00	-43.73

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Operation Band	:WCDMA B5	Test Date	:2019-03-27
Fundamental Frequency	:846.6 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH HIGH	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:VERTICAL



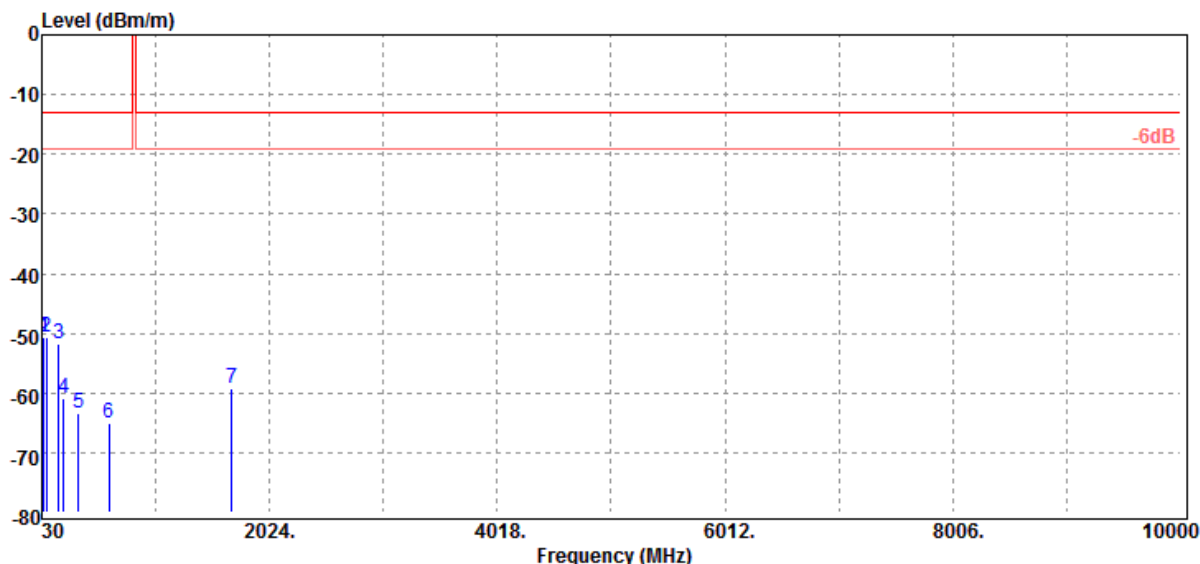
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
73.65	-46.97	-36.98	-9.28	-0.71	-13.00	-33.97
175.50	-49.62	-43.63	-4.90	-1.09	-13.00	-36.62
350.10	-62.87	-59.76	-1.55	-1.55	-13.00	-49.87
416.06	-63.73	-60.18	-1.85	-1.69	-13.00	-50.73
704.15	-63.52	-59.84	-1.45	-2.23	-13.00	-50.52
987.39	-59.04	-54.98	-1.40	-2.66	-13.00	-46.04
1693.20	-54.97	-59.19	7.81	-3.59	-13.00	-41.97

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Operation Band	:WCDMA B5	Test Date	:2019-03-27
Fundamental Frequency	:846.6 MHz	Temp./Humi.	:23/58
Operation Mode	:TX CH HIGH	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
47.46	-50.76	-36.50	-13.68	-0.58	-13.00	-37.76
71.71	-50.54	-40.37	-9.48	-0.70	-13.00	-37.54
178.41	-51.78	-46.07	-4.61	-1.10	-13.00	-38.78
221.09	-60.89	-57.74	-1.93	-1.22	-13.00	-47.89
348.16	-63.46	-60.40	-1.51	-1.54	-13.00	-50.46
618.79	-65.00	-61.59	-1.33	-2.08	-13.00	-52.00
1693.20	-59.25	-63.46	7.81	-3.59	-13.00	-46.25

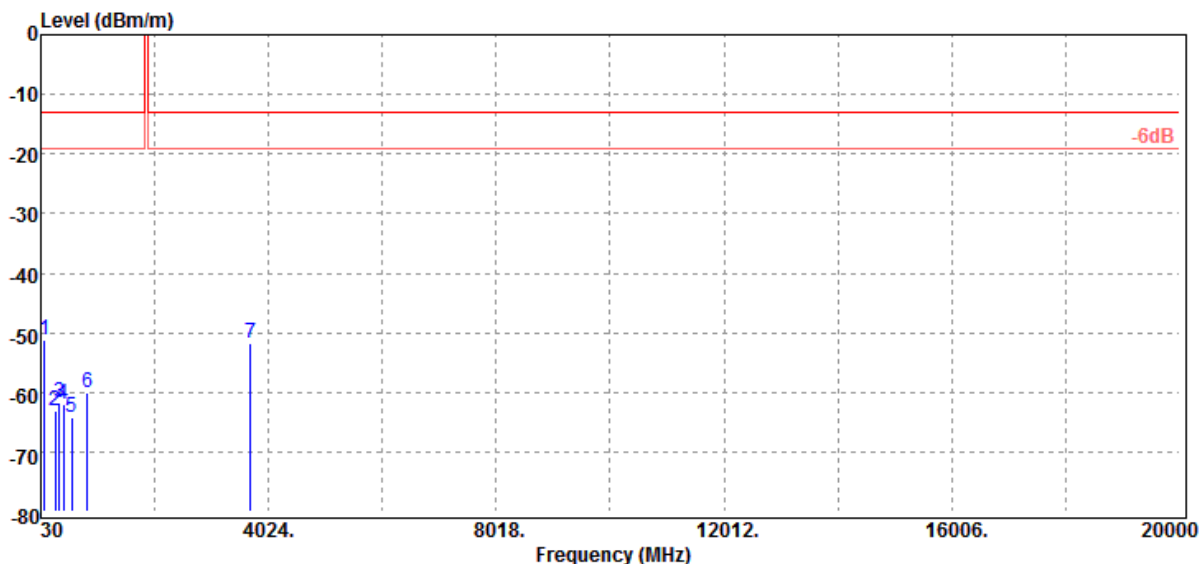
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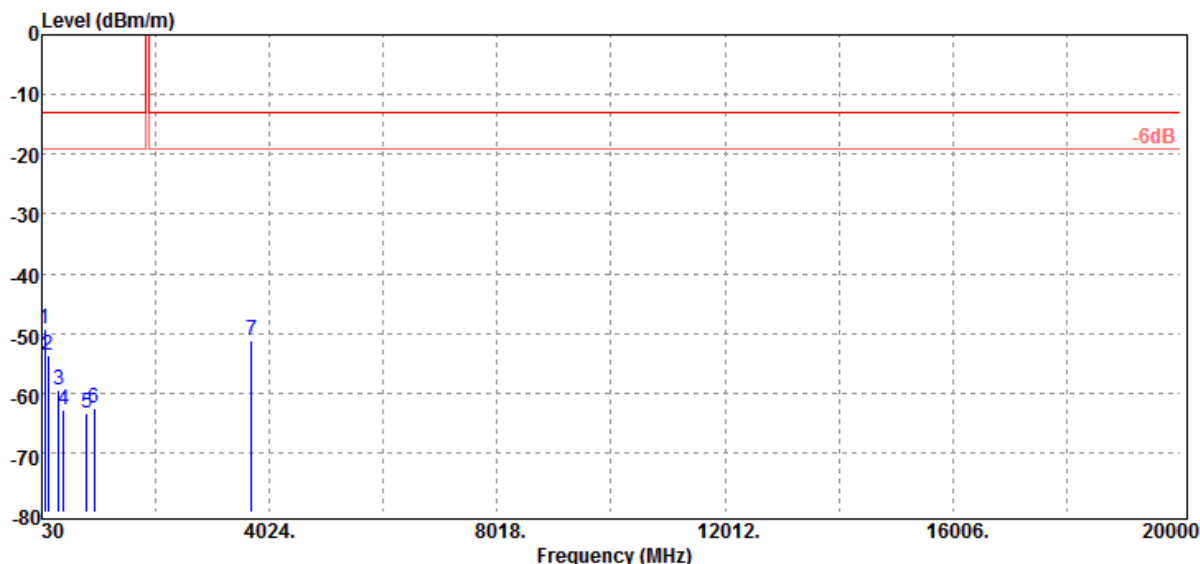
Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

Operation Band	:LTE B2	Test Date	:2019-03-27
Fundamental Frequency	:1852.5 MHz	Temp./Humi.	:24/59
Operation Mode	:TX CH LOW	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:VERTICAL



Operation Band :LTE B2
Fundamental Frequency :1852.5 MHz
Operation Mode :TX CH LOW
EUT Pol. :H Plan

Test Date :2019-03-27
Temp./Humi. :24/59
Engineer :Jerry
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
73.65	-49.33	-39.34	-9.28	-0.71	-13.00	-36.33
134.76	-53.64	-43.30	-9.39	-0.96	-13.00	-40.64
327.79	-59.64	-56.45	-1.69	-1.50	-13.00	-46.64
419.94	-62.87	-59.32	-1.85	-1.70	-13.00	-49.87
813.76	-63.27	-59.41	-1.45	-2.41	-13.00	-50.27
951.50	-62.49	-58.69	-1.18	-2.62	-13.00	-49.49
3705.00	-51.08	-55.70	10.34	-5.72	-13.00	-38.08

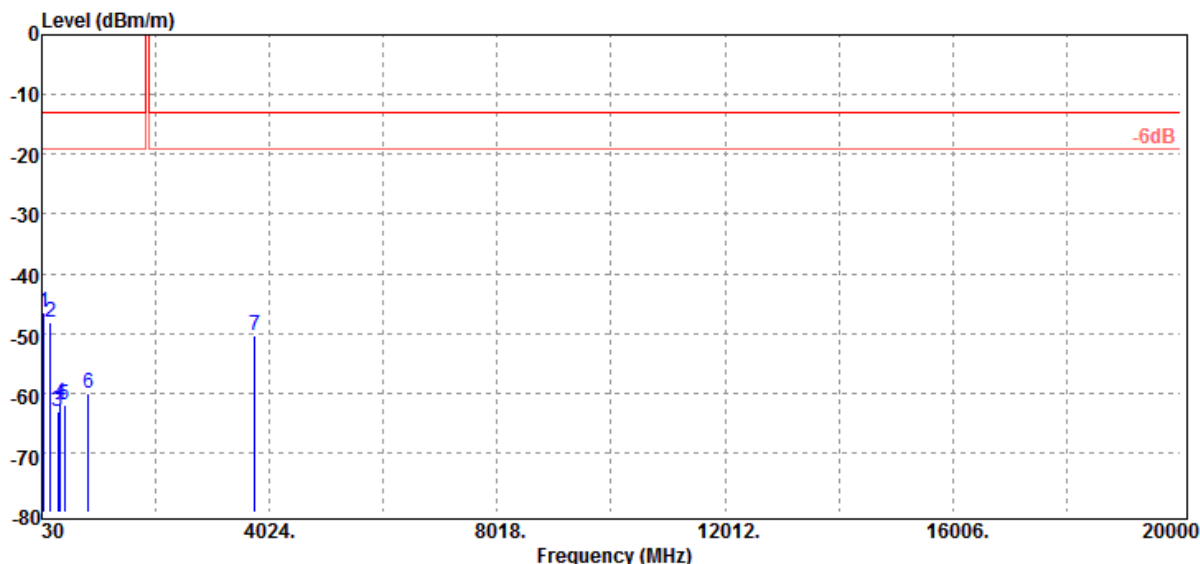
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Operation Band :LTE B2
Fundamental Frequency :1880 MHz
Operation Mode :TX CH MID
EUT Pol. :H Plan

Test Date :2019-03-27
Temp./Humi. :24/59
Engineer :Jerry
Measurement Antenna Pol. :VERTICAL



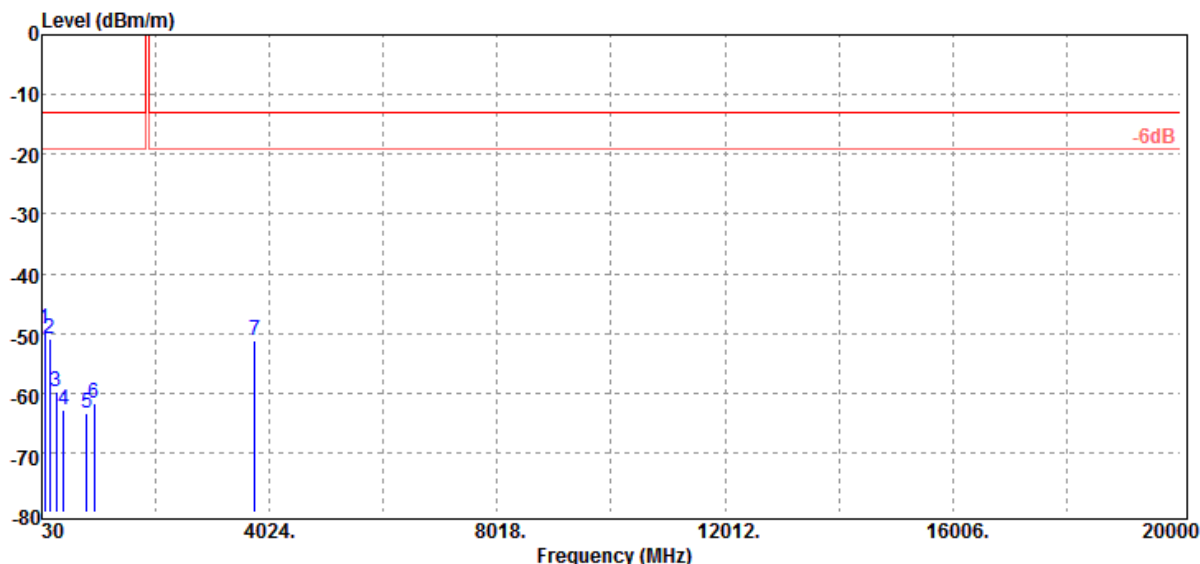
Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
71.71	-46.54	-36.36	-9.48	-0.70	-13.00	-33.54
178.41	-48.11	-42.40	-4.61	-1.10	-13.00	-35.11
316.15	-63.02	-59.62	-1.93	-1.47	-13.00	-50.02
348.16	-61.62	-58.56	-1.51	-1.54	-13.00	-48.62
422.85	-62.00	-58.44	-1.85	-1.71	-13.00	-49.00
849.65	-60.06	-56.25	-1.35	-2.47	-13.00	-47.06
3760.00	-50.46	-55.03	10.27	-5.69	-13.00	-37.46

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Operation Band	:LTE B2	Test Date	:2019-03-27
Fundamental Frequency	:1880 MHz	Temp./Humi.	:24/59
Operation Mode	:TX CH MID	Engineer	:Jerry
EUT Pol.	:H Plan	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit dBm	Margin dB
73.65	-49.33	-39.34	-9.28	-0.71	-13.00	-36.33
173.56	-50.91	-44.73	-5.09	-1.09	-13.00	-37.91
282.20	-59.68	-55.79	-2.51	-1.39	-13.00	-46.68
419.94	-62.87	-59.32	-1.85	-1.70	-13.00	-49.87
813.76	-63.27	-59.41	-1.45	-2.41	-13.00	-50.27
953.44	-61.74	-57.91	-1.22	-2.62	-13.00	-48.74
3760.00	-51.28	-55.86	10.27	-5.69	-13.00	-38.28

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