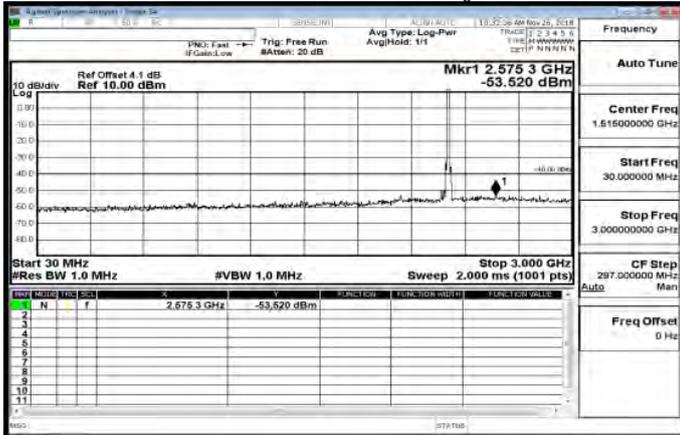
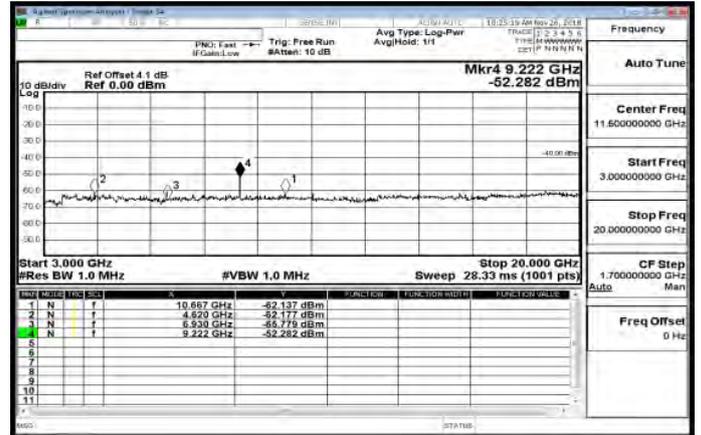


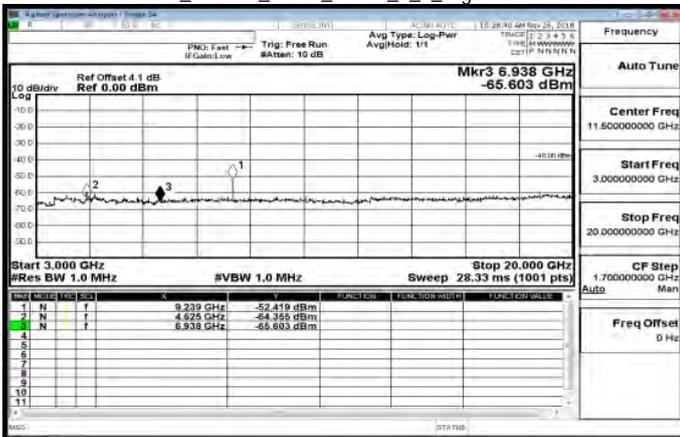
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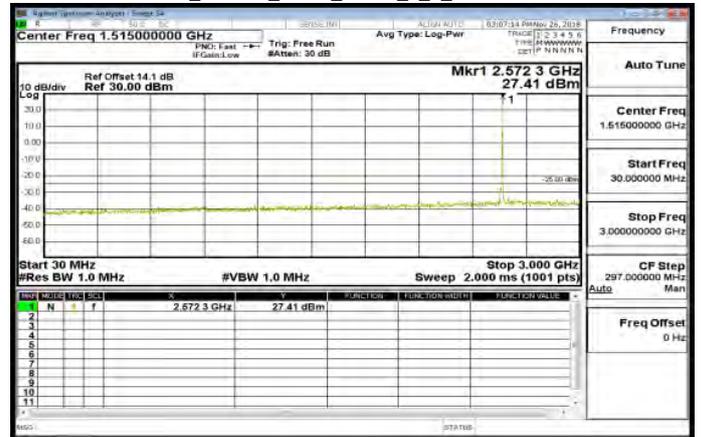
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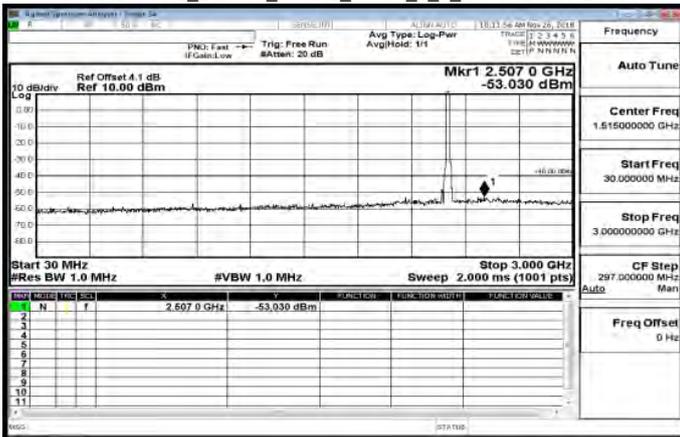
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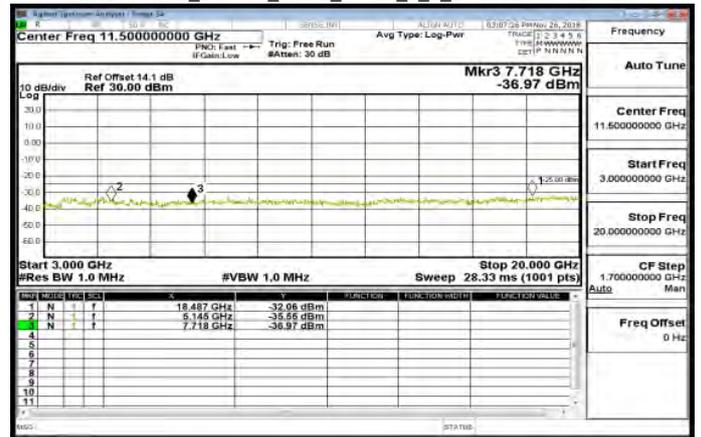
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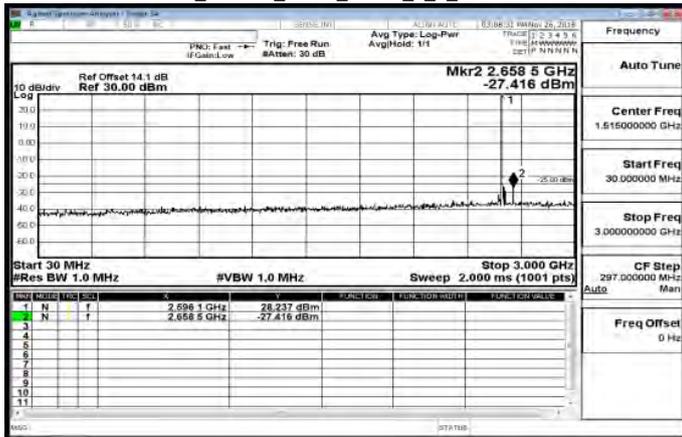
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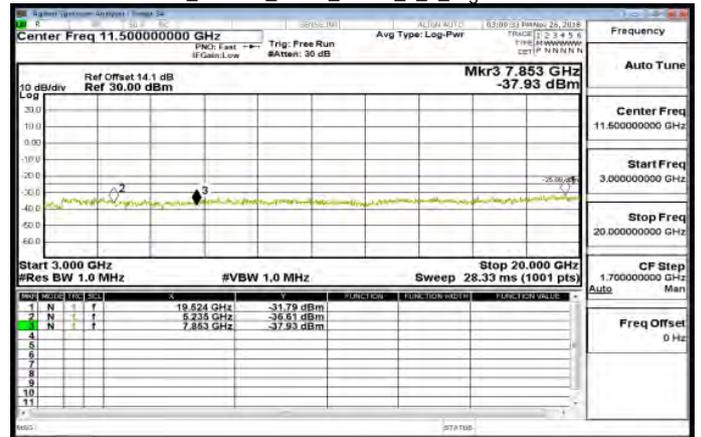
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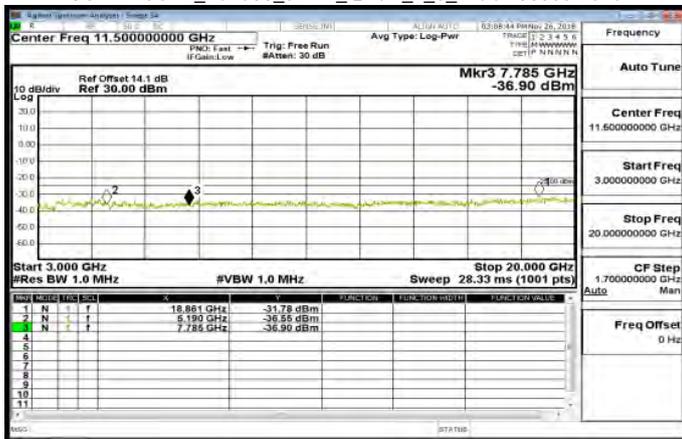
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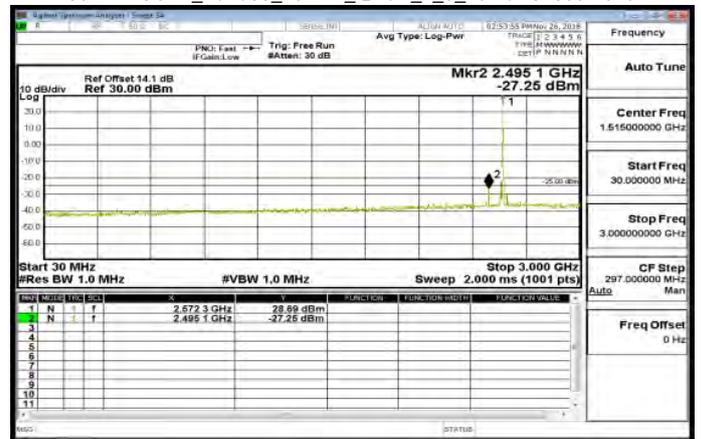
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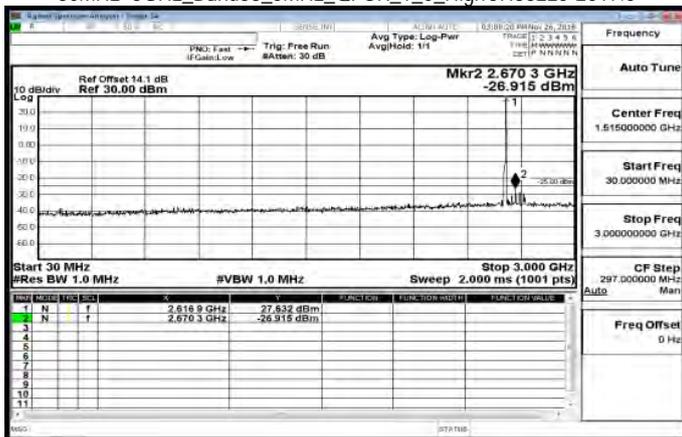
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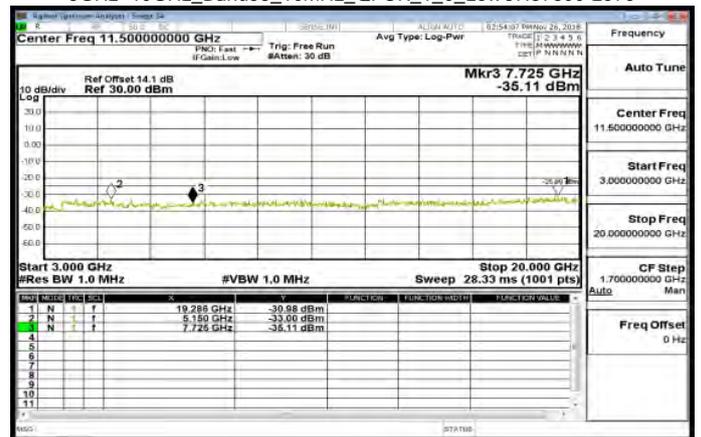
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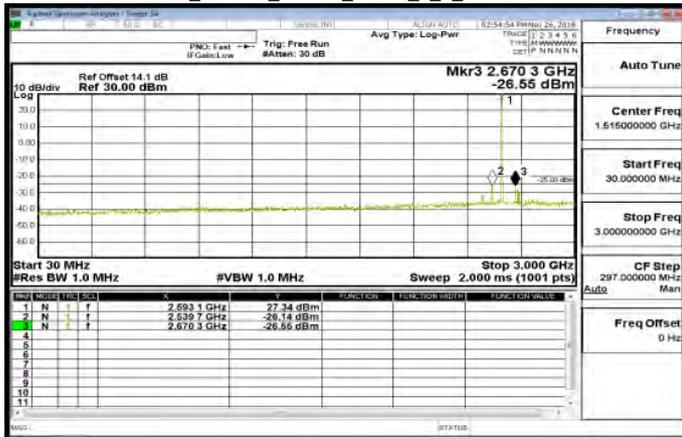
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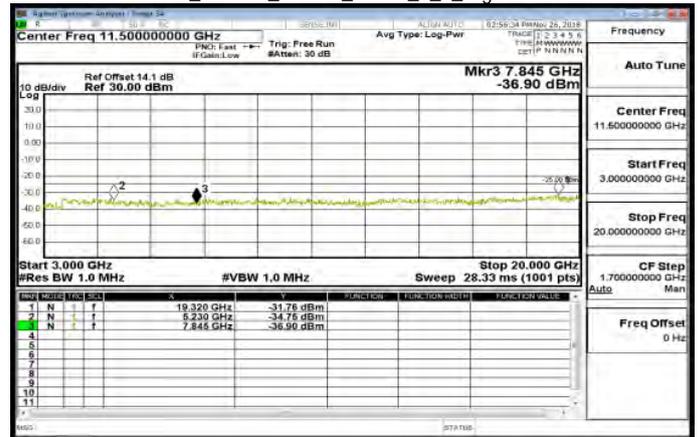
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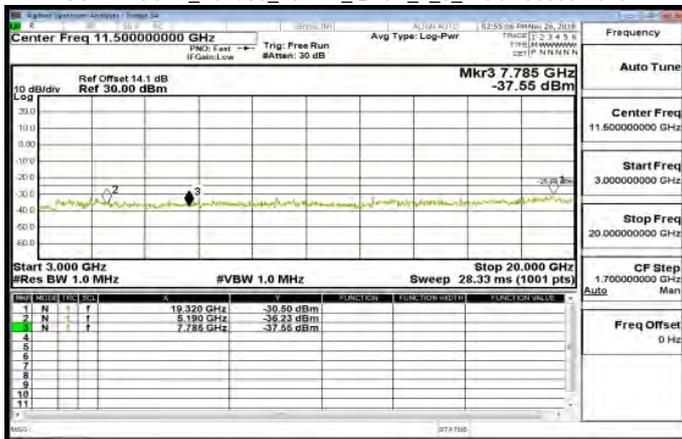
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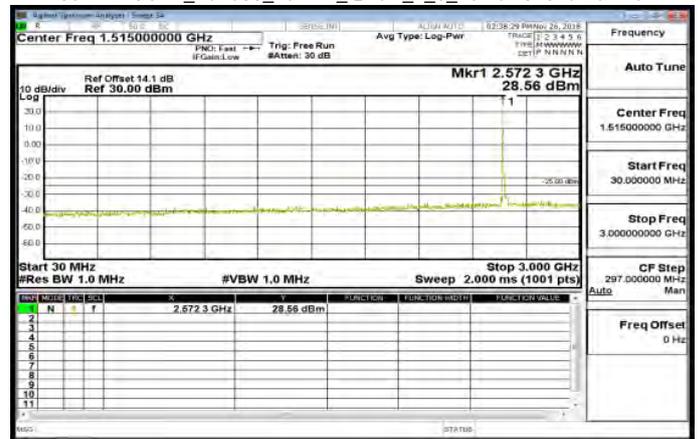
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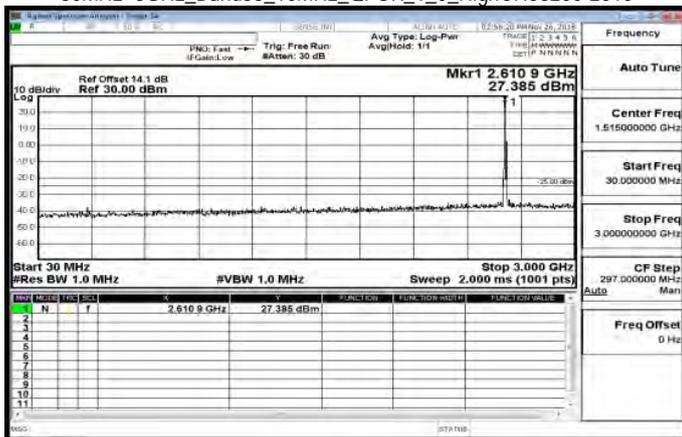
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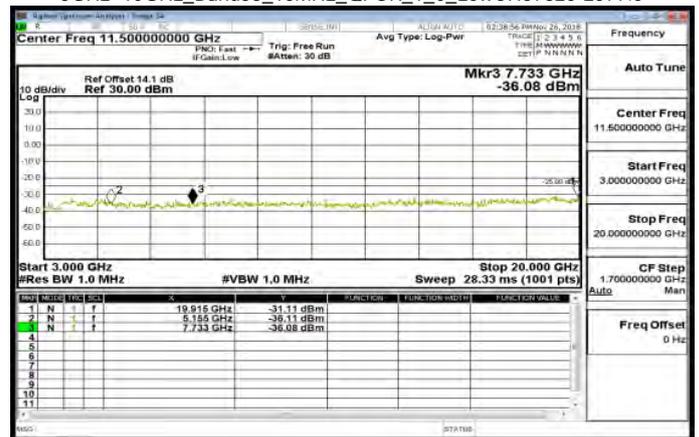
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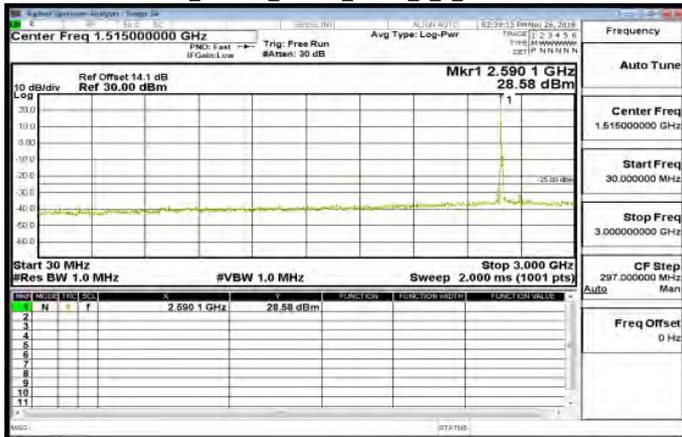
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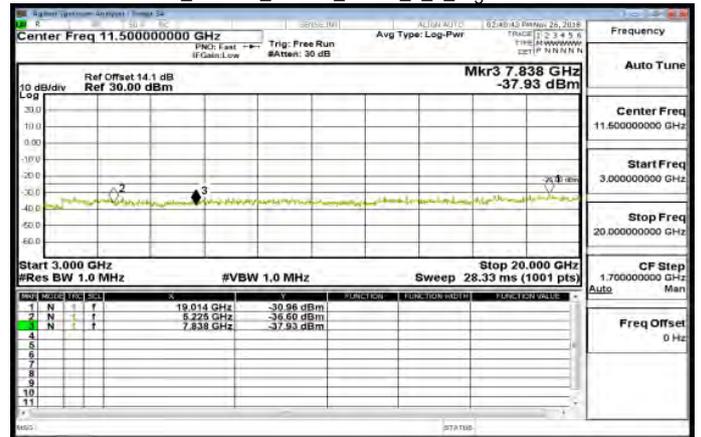
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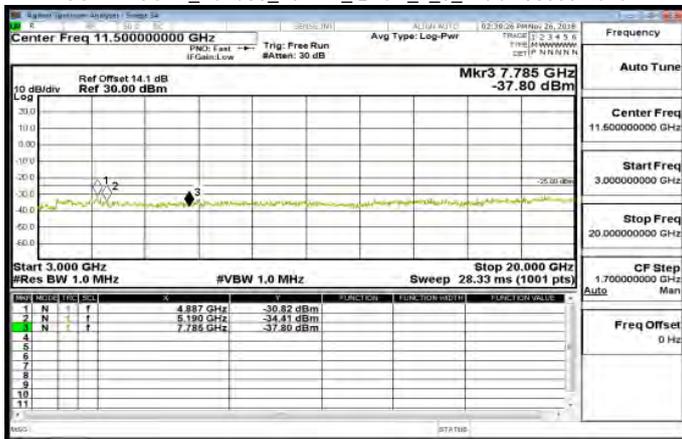
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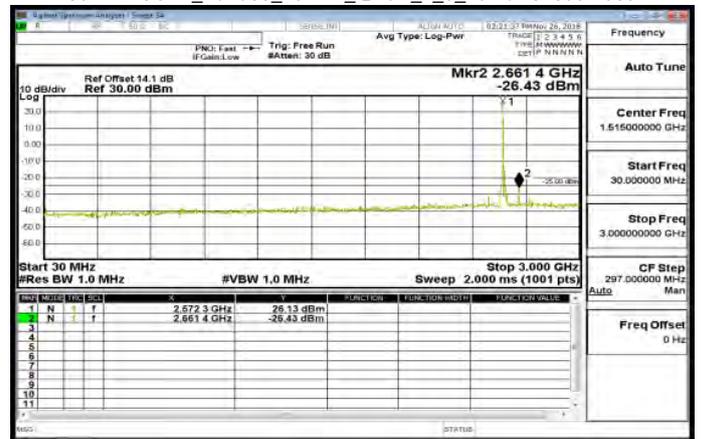
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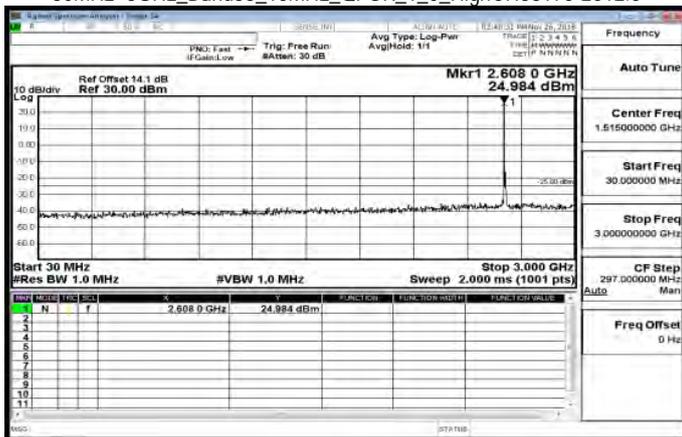
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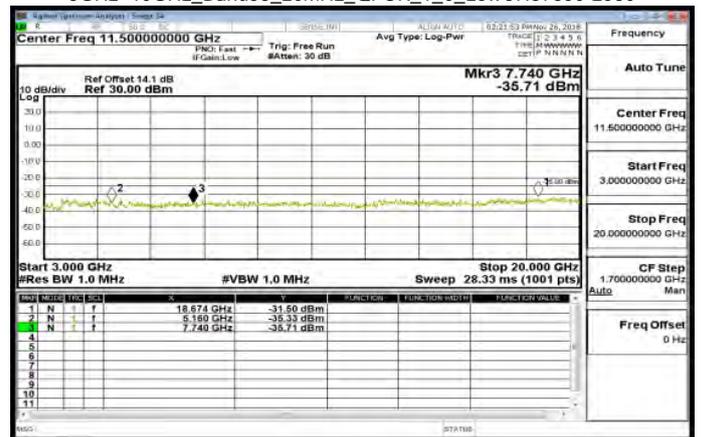
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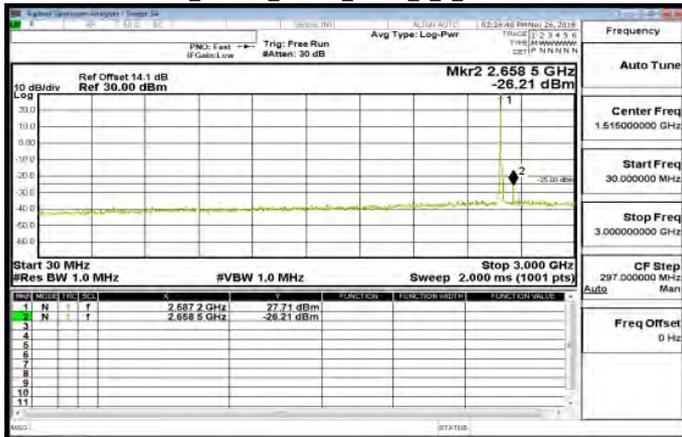
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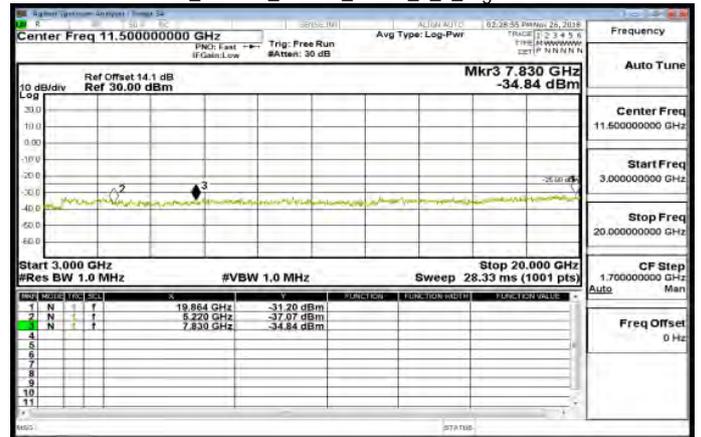
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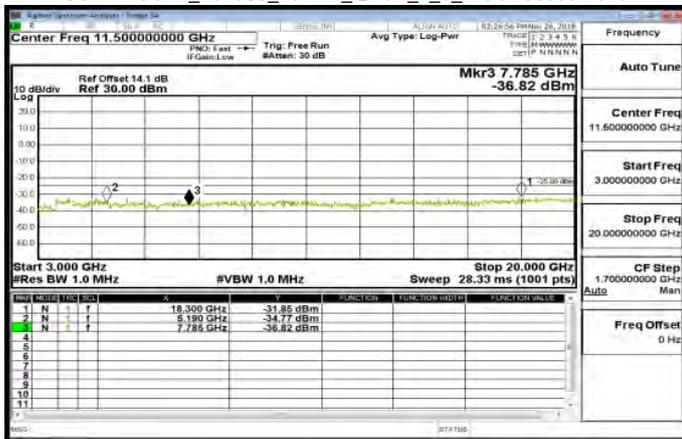
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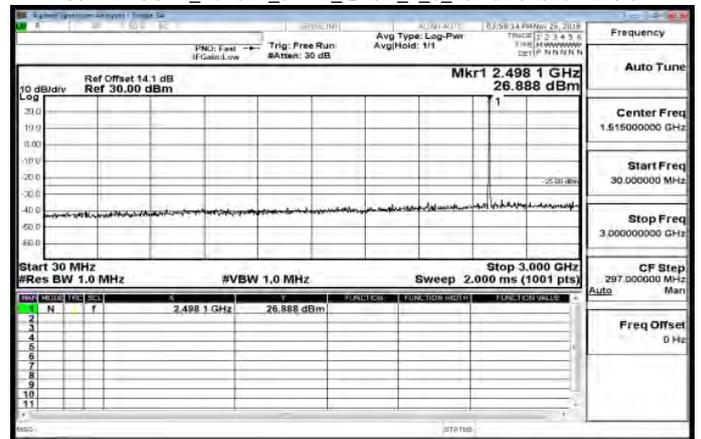
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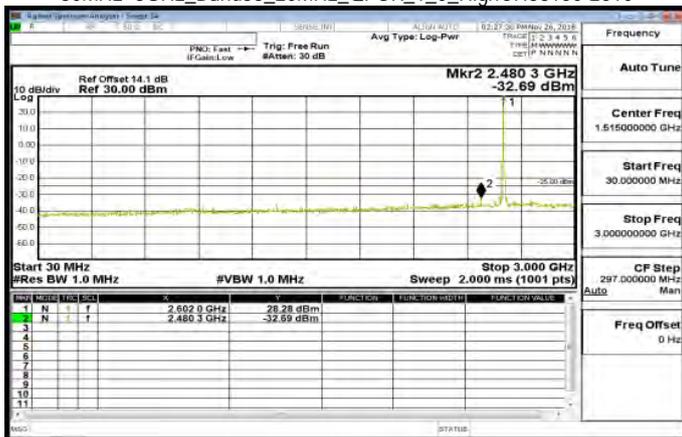
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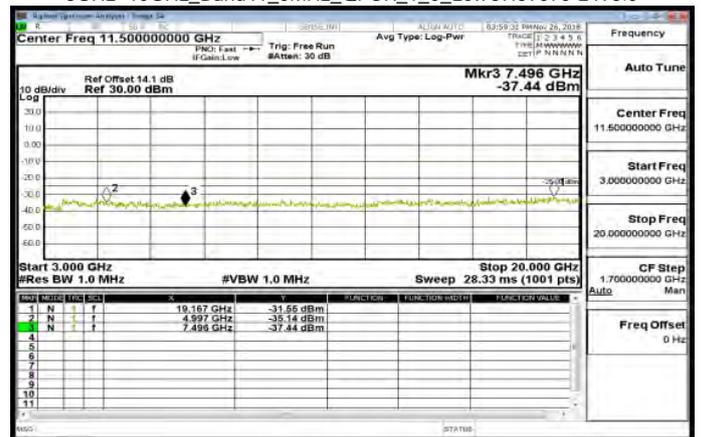
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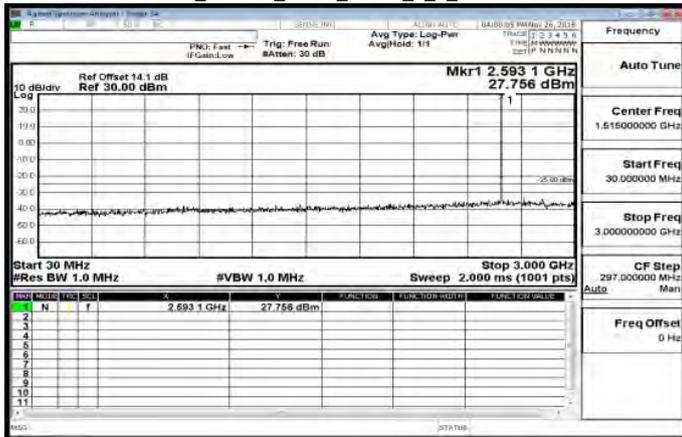
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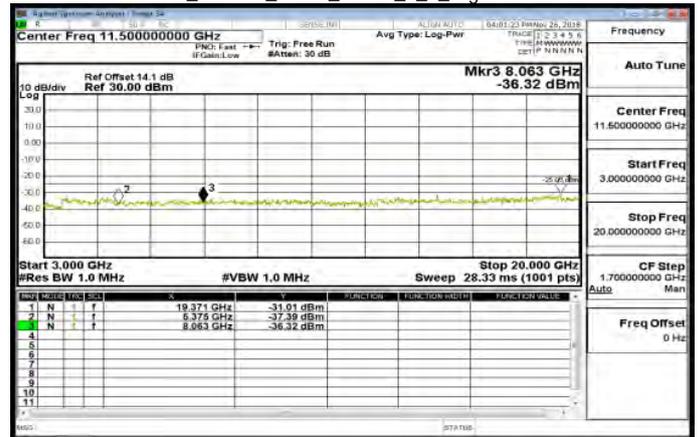
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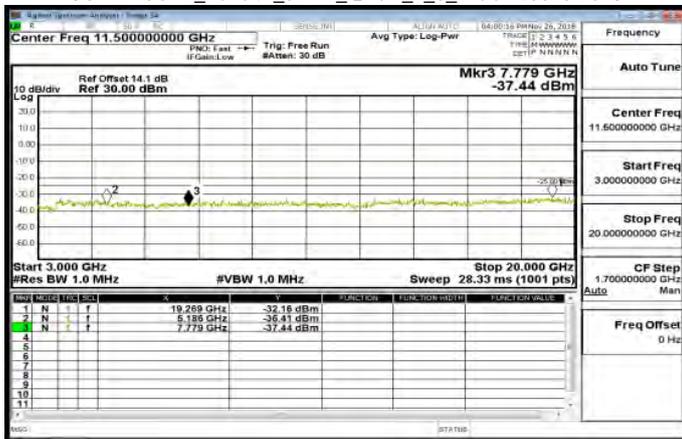
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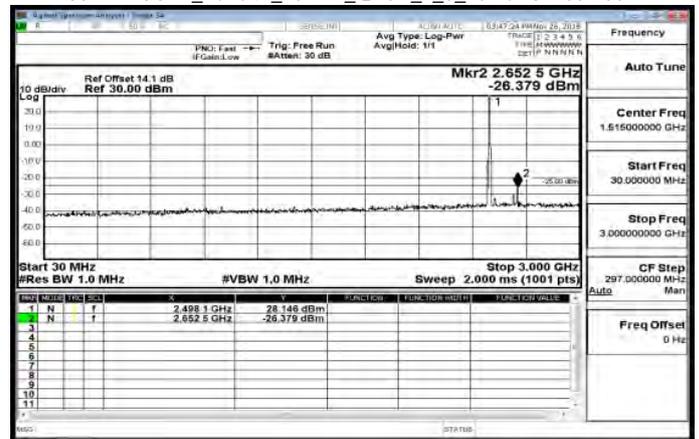
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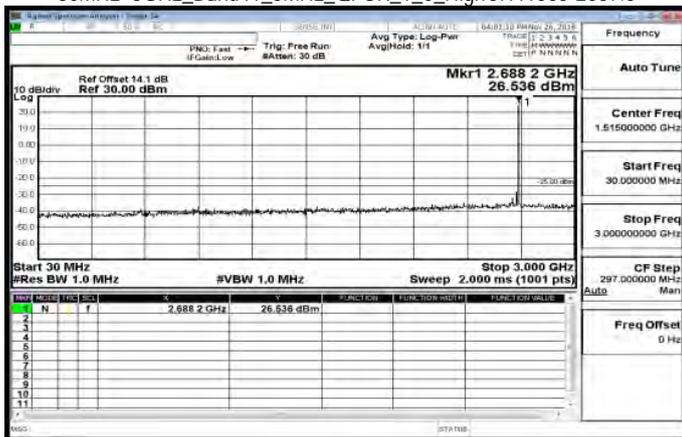
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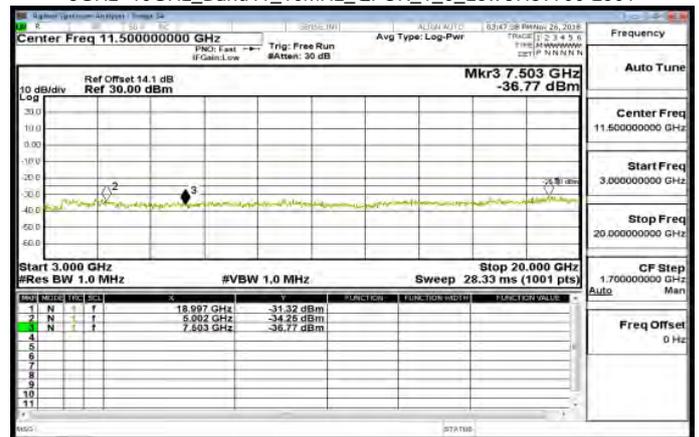
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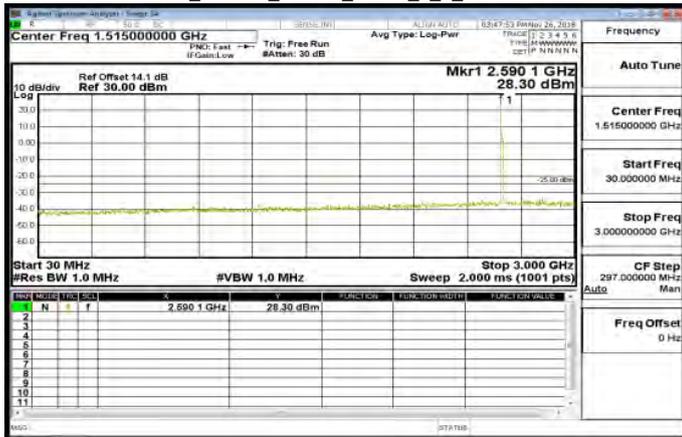
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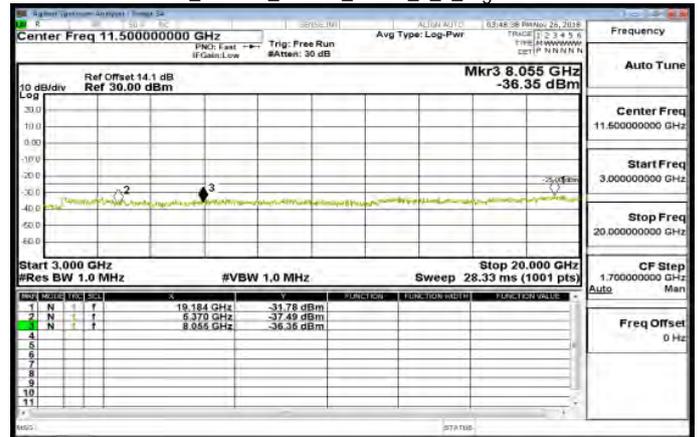
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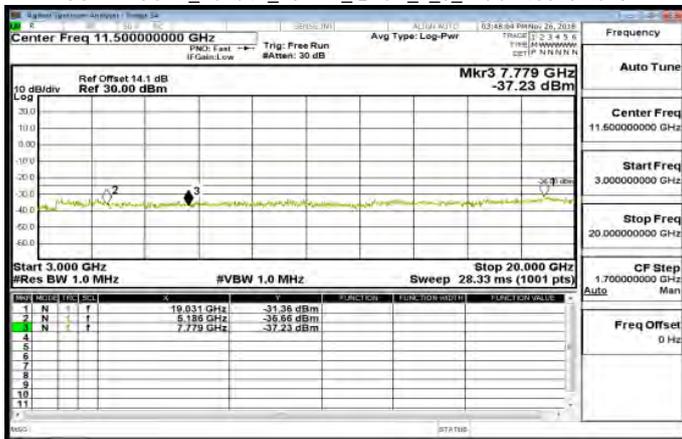
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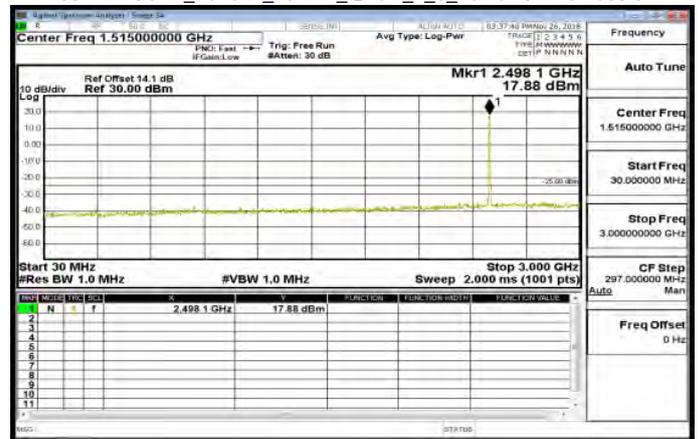
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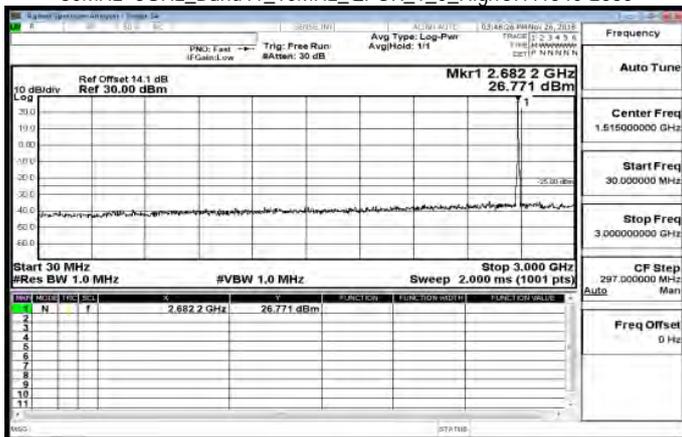
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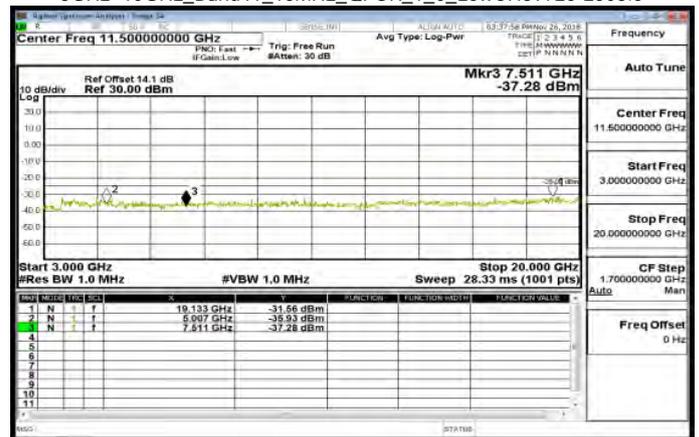
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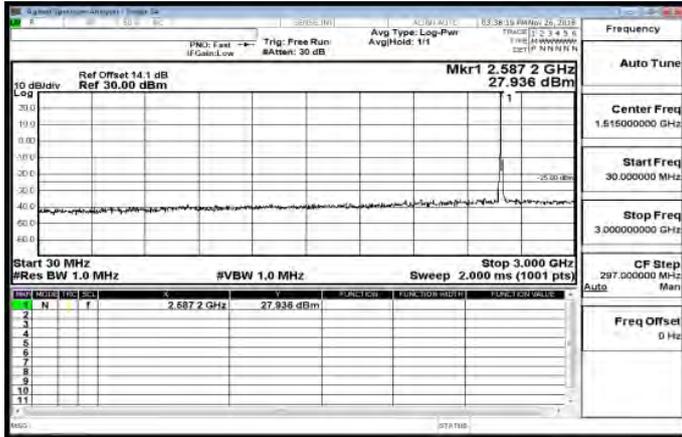
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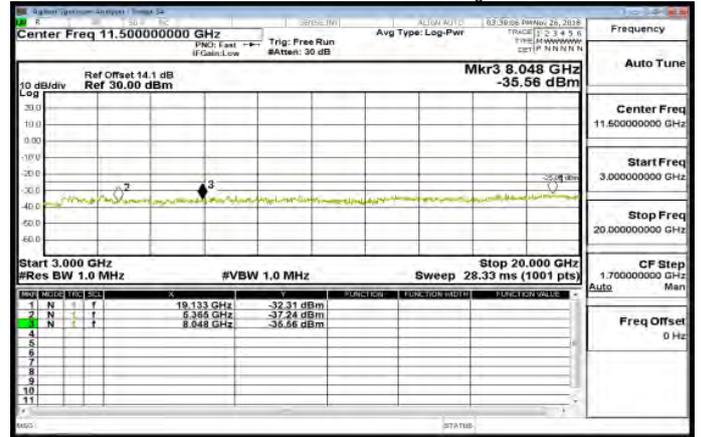
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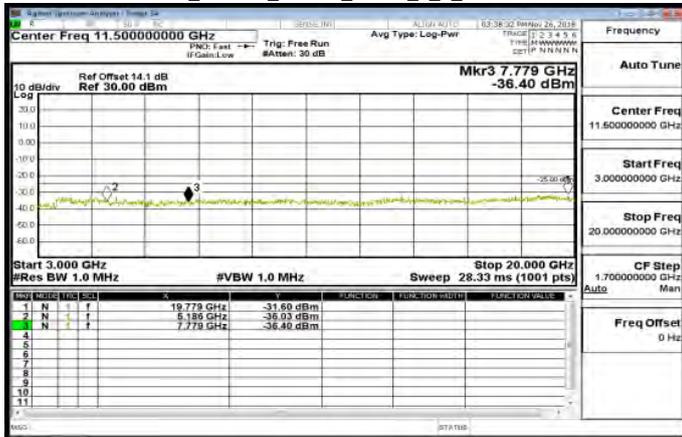
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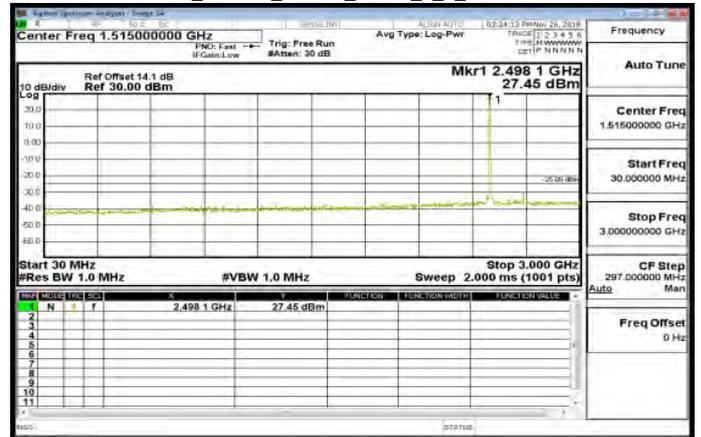
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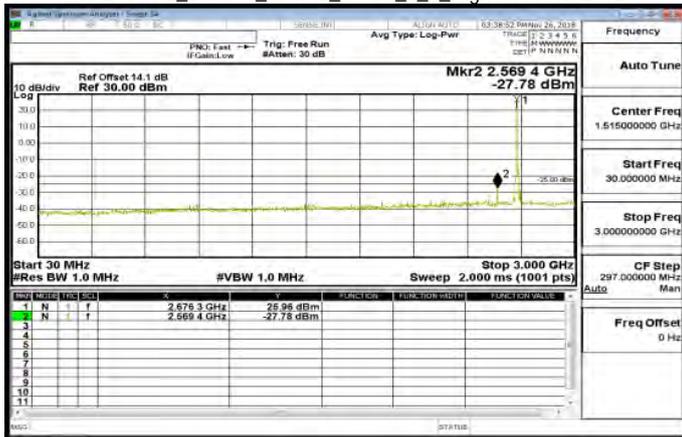
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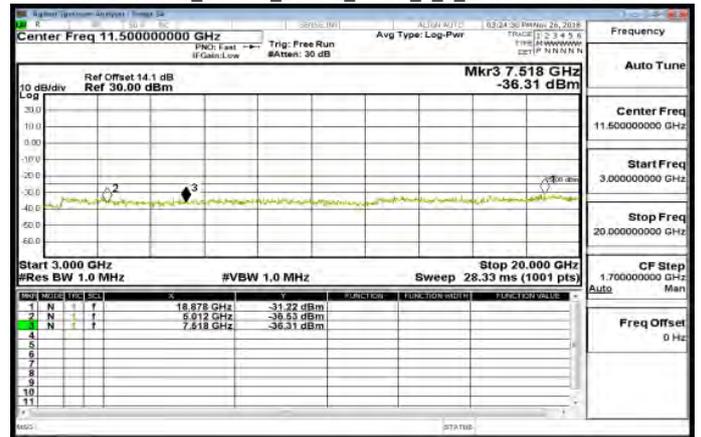
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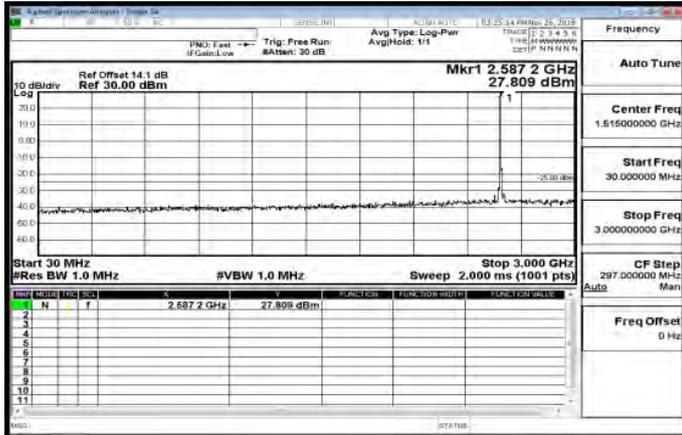
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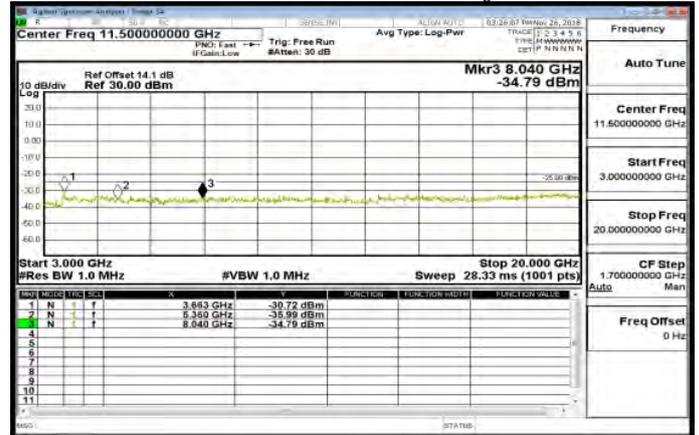
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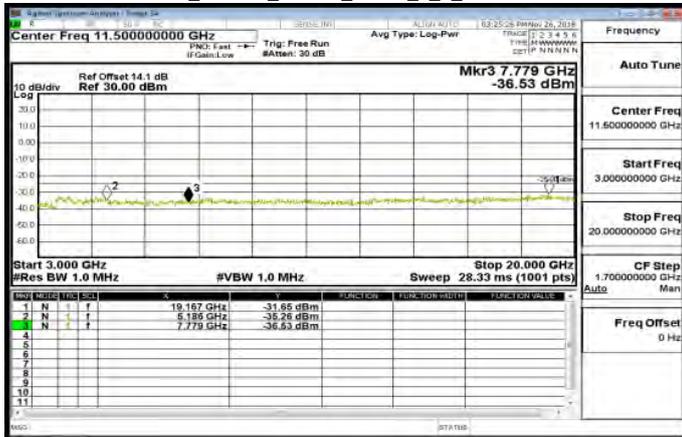
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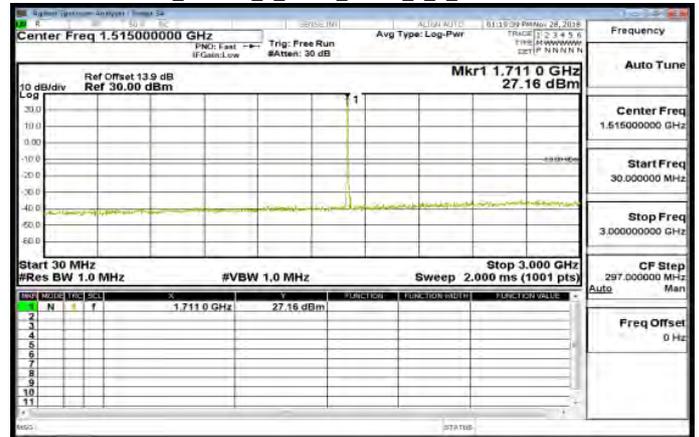
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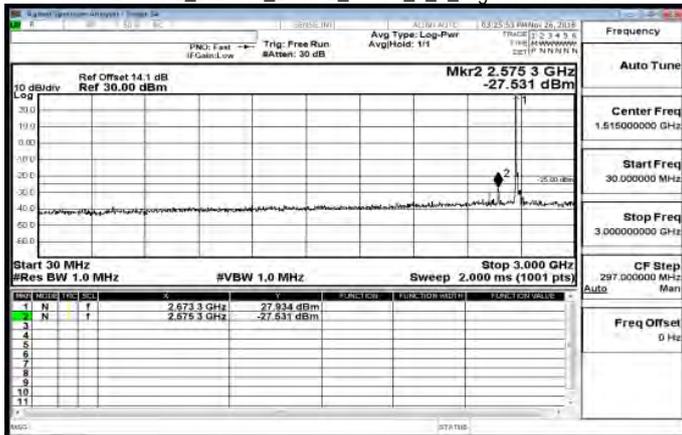
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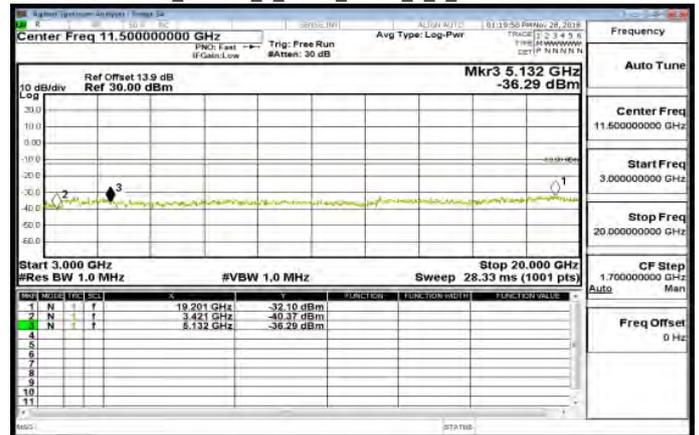
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3GHz~10GHz\_Band66\_1\_4MHz\_OPSK\_1\_0\_LowCH131979-1710.7



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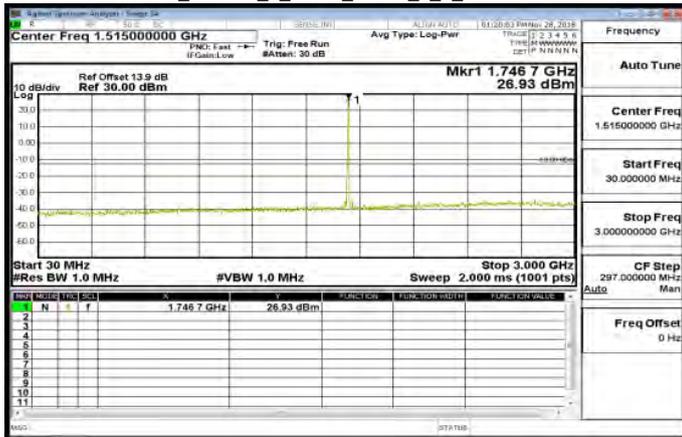
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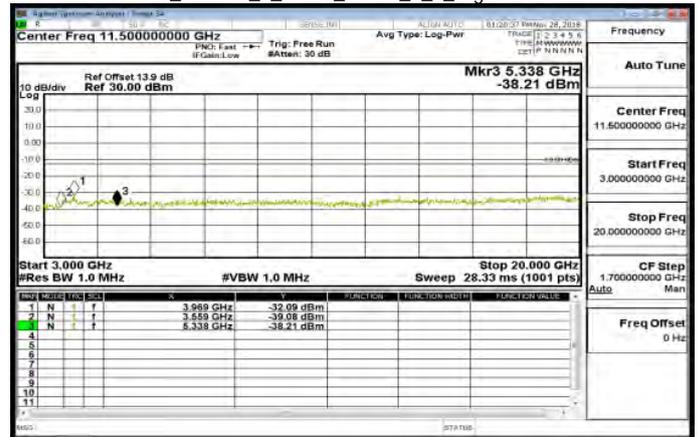
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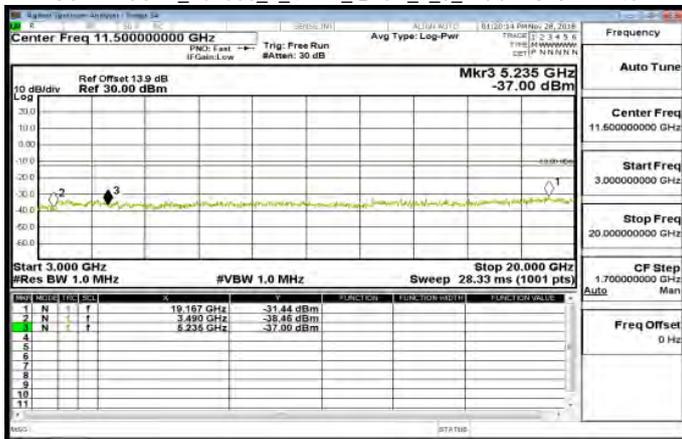
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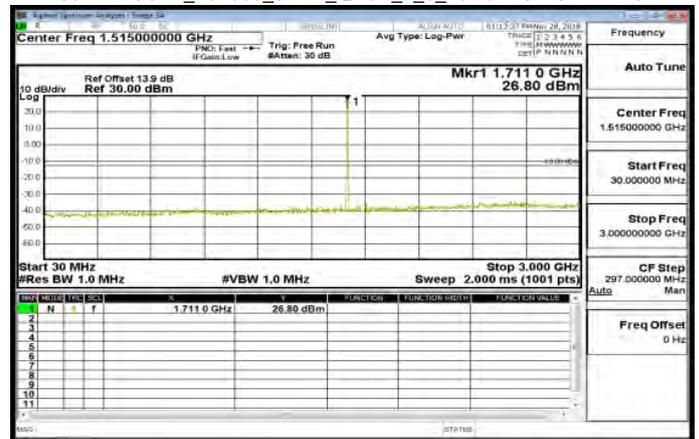
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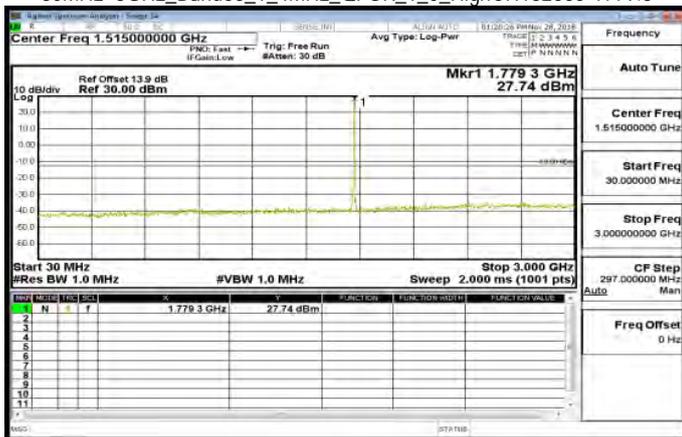
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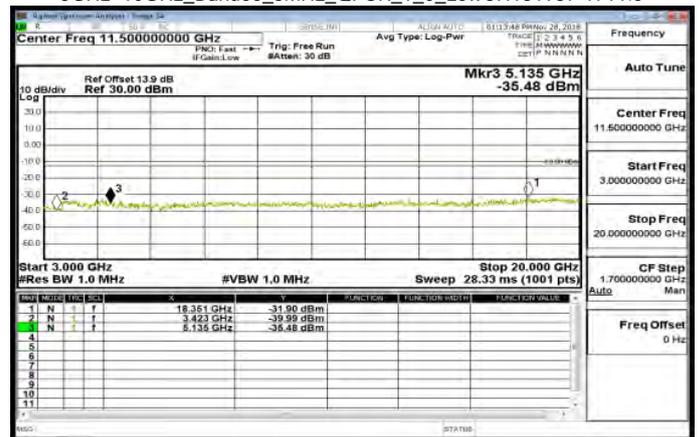
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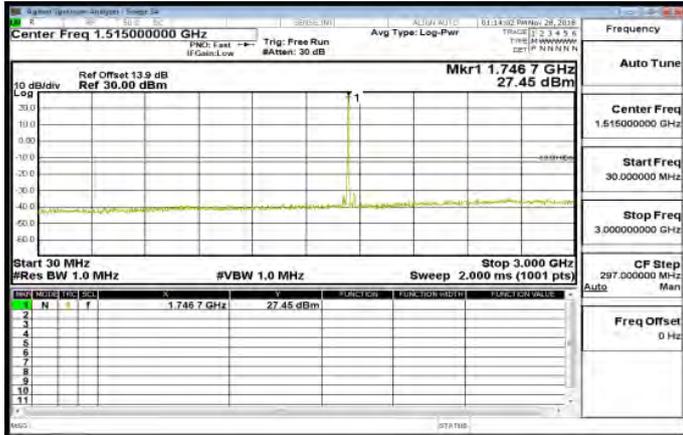
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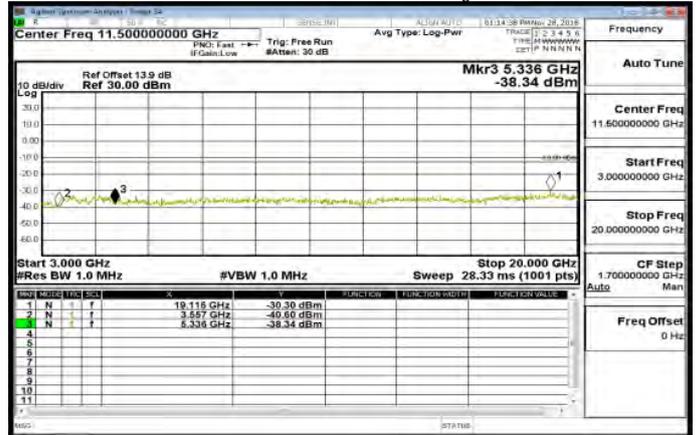
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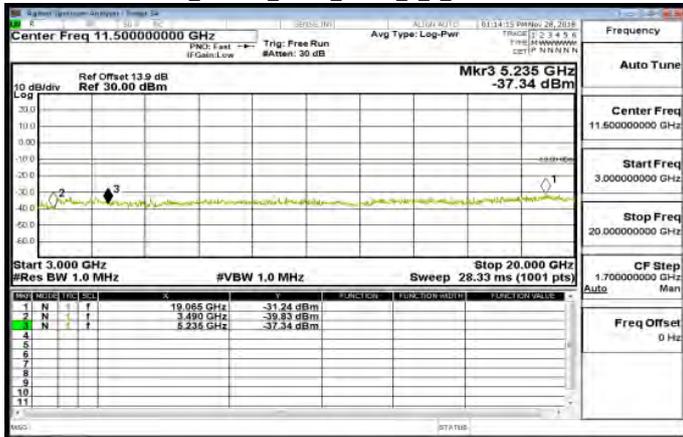
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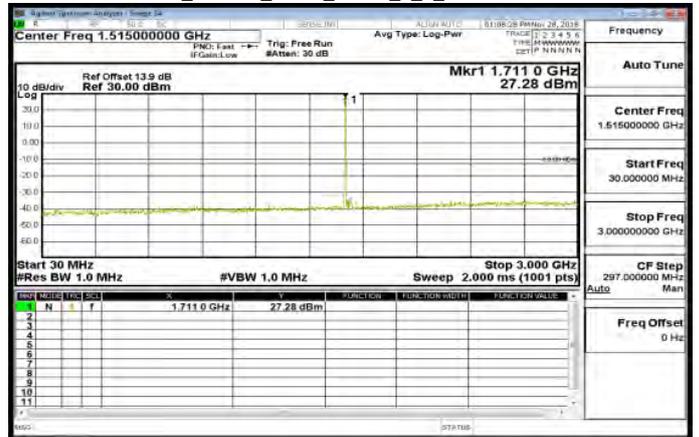
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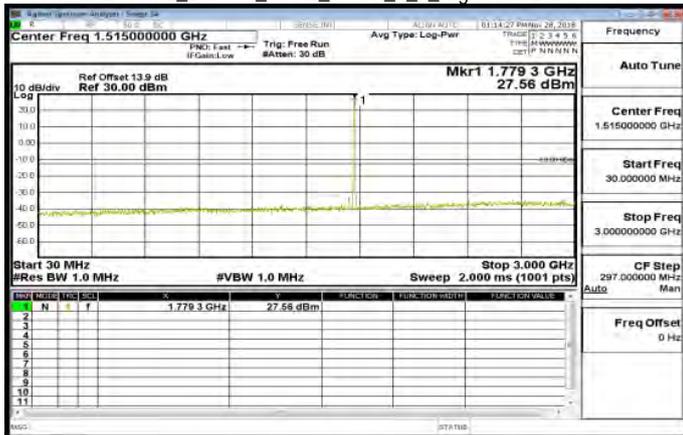
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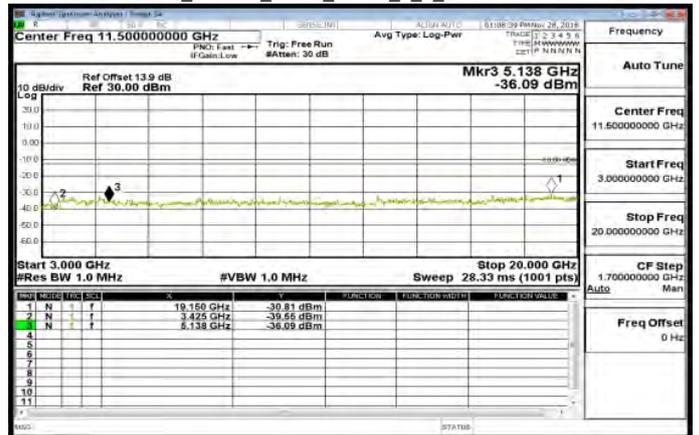
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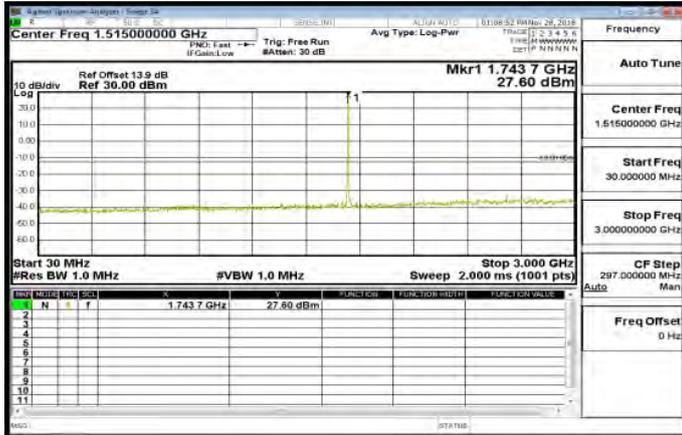
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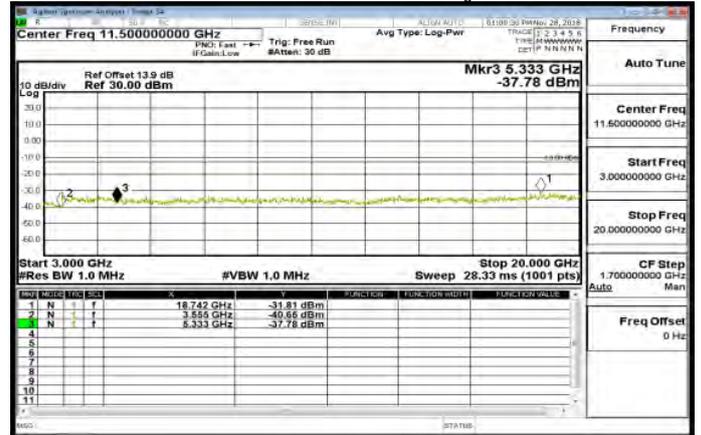
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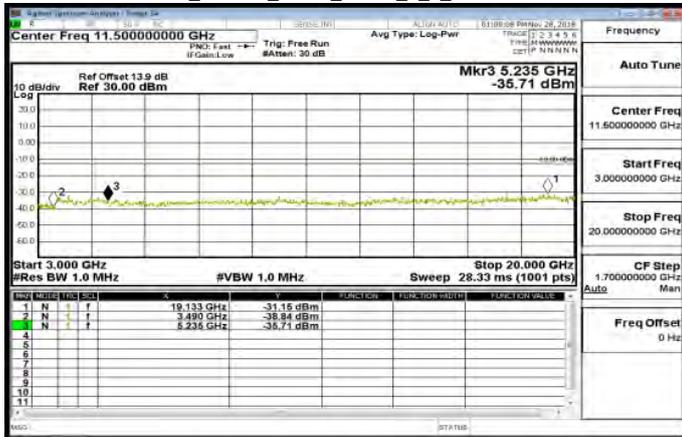
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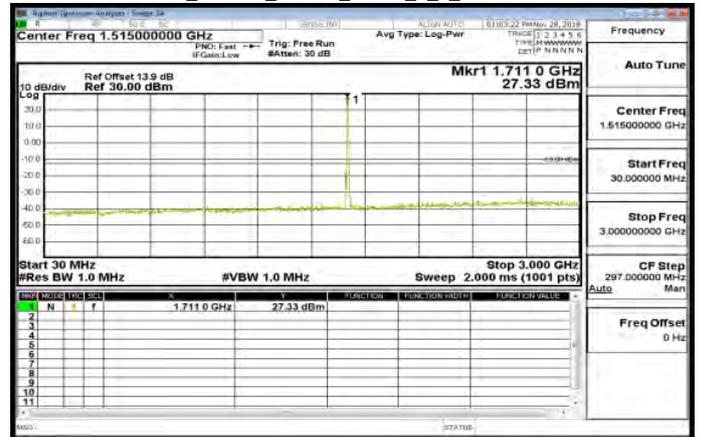
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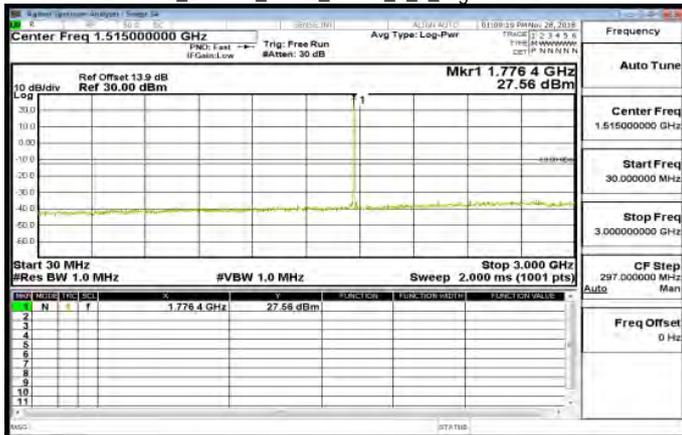
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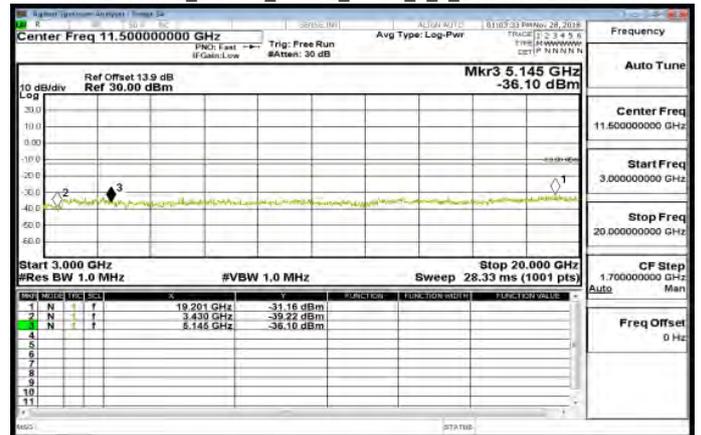
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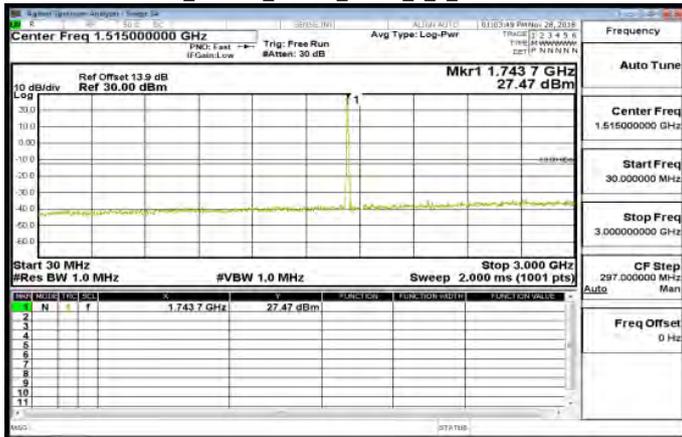
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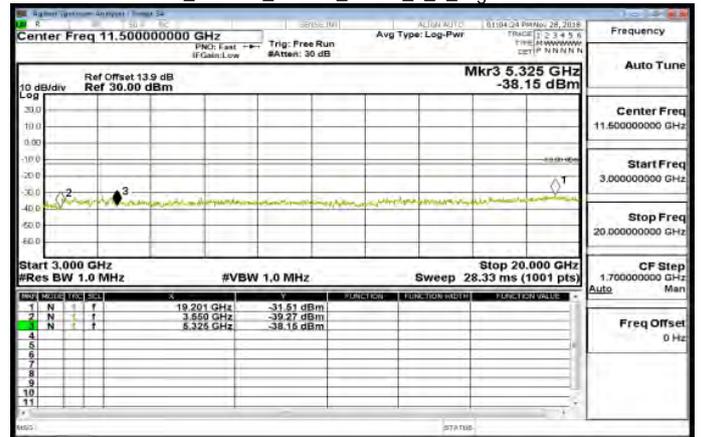
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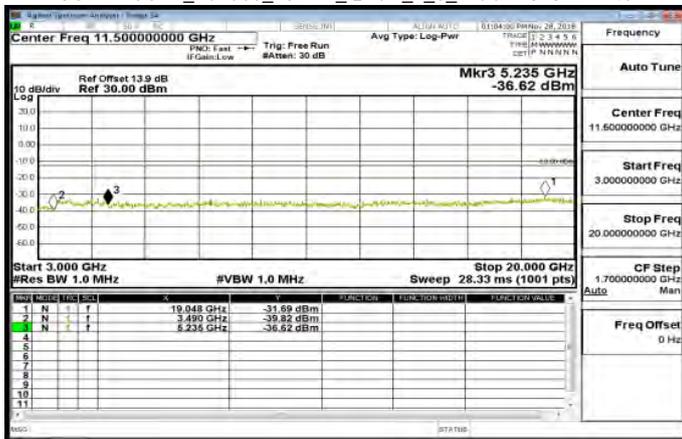
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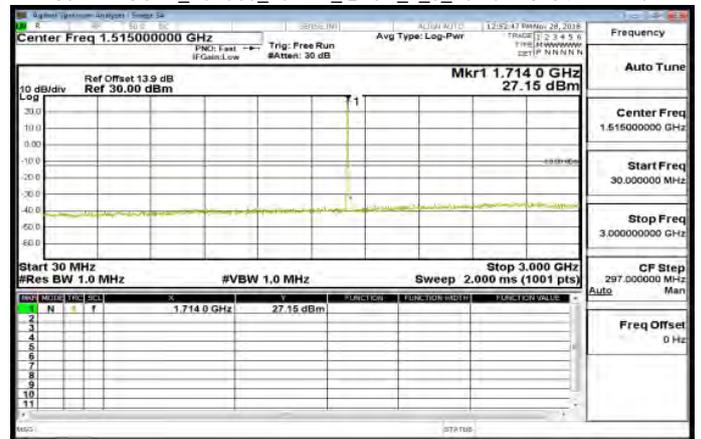
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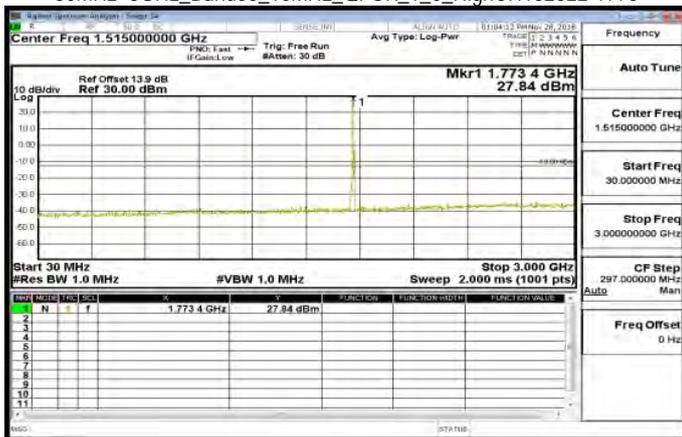
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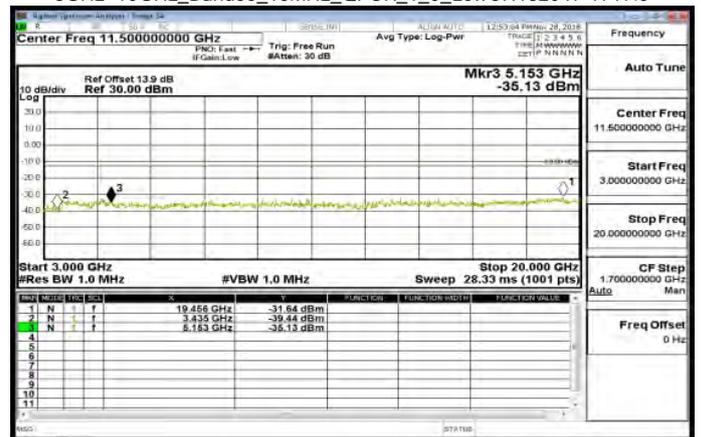
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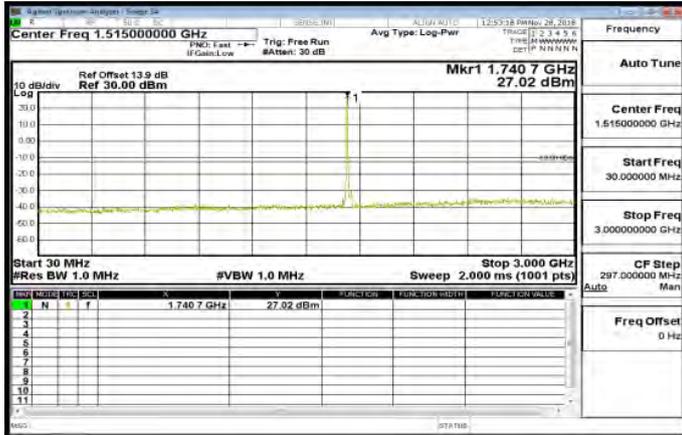
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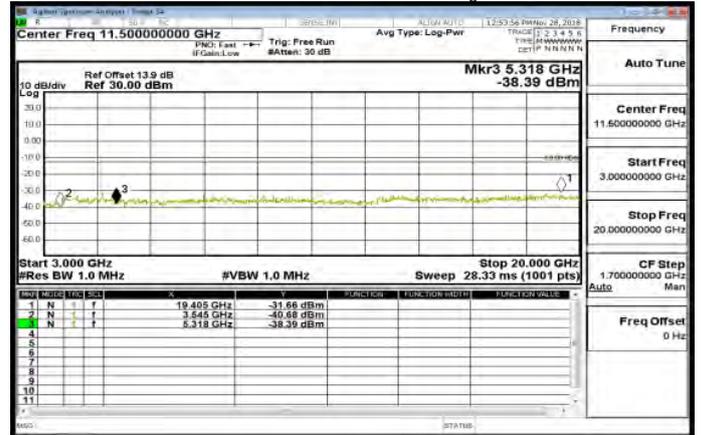
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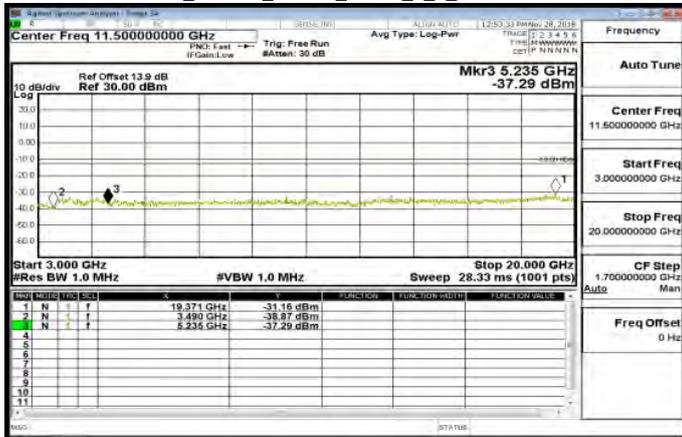
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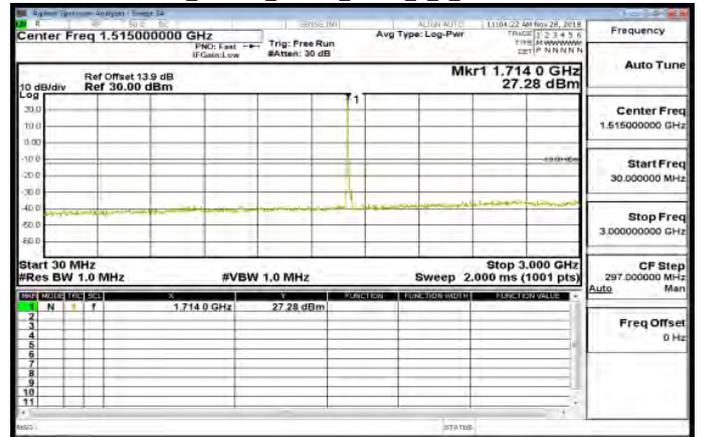
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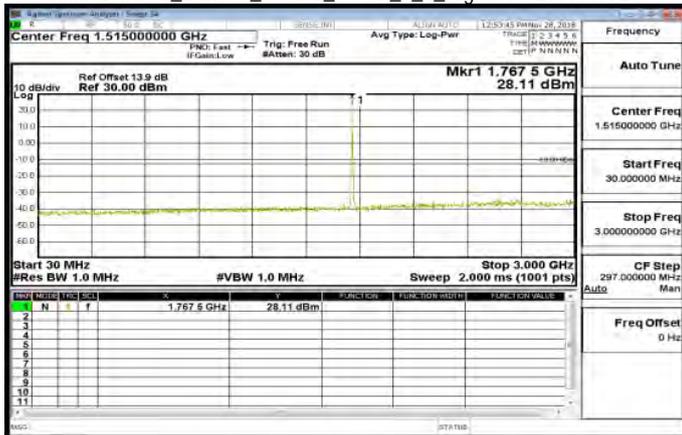
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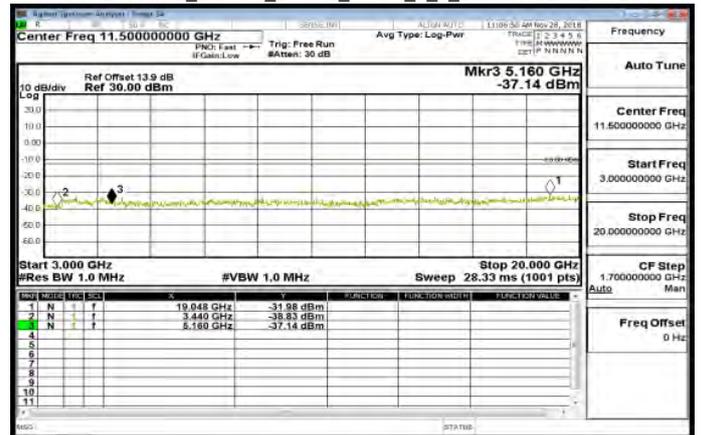
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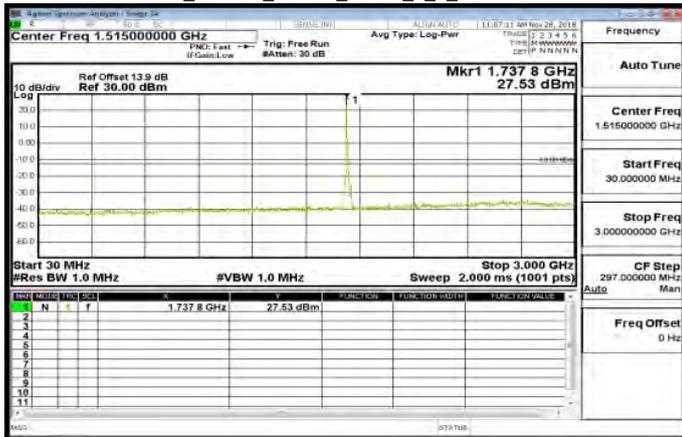
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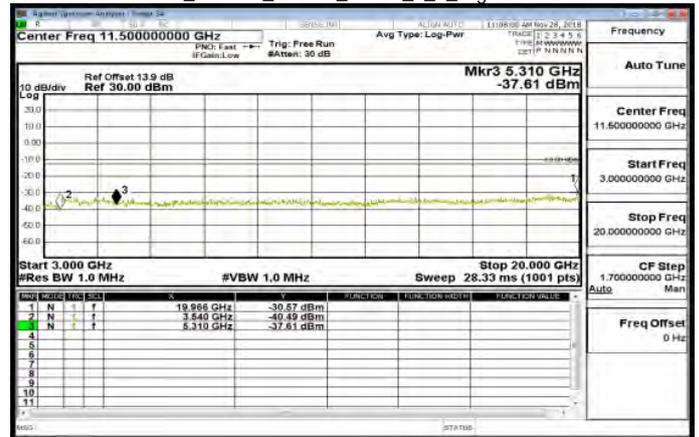
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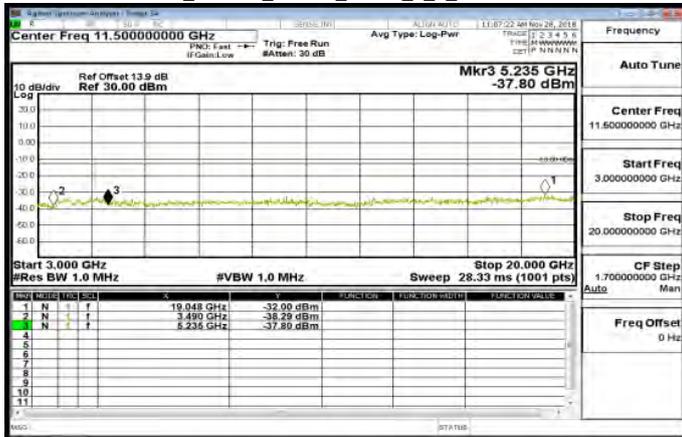
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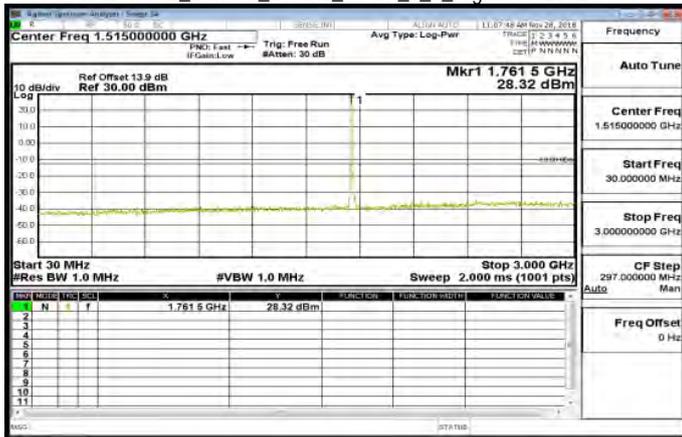
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30MHz~3GHz\_Band66\_20MHz\_QPSK\_1\_0\_HighCH132572-1770



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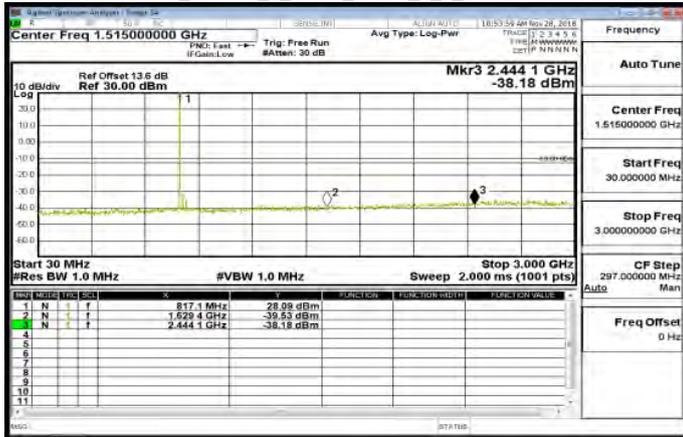
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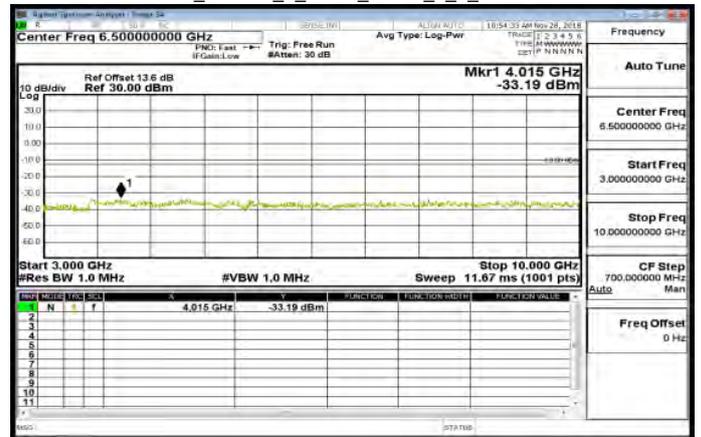
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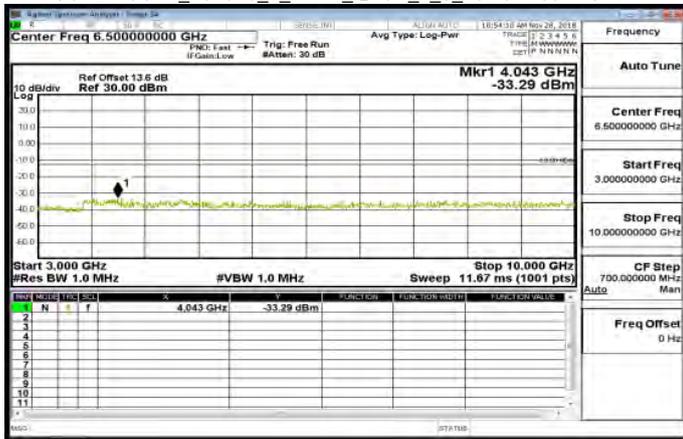
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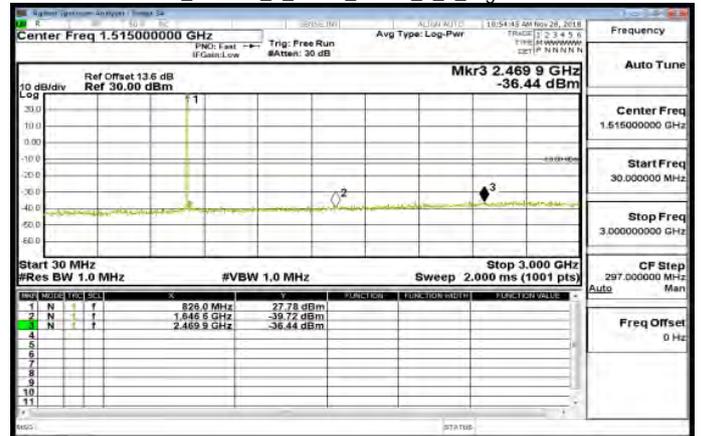
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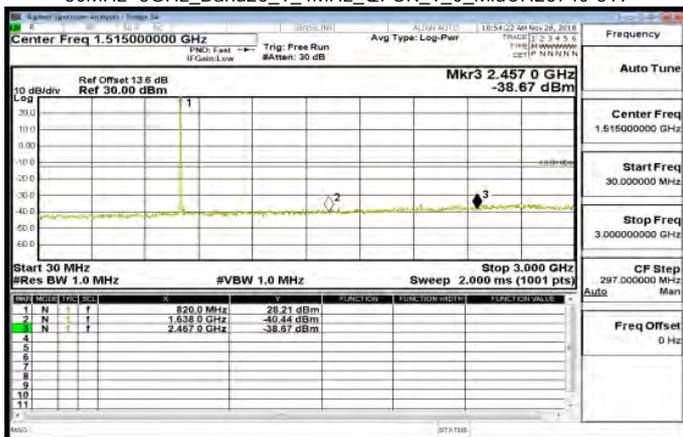
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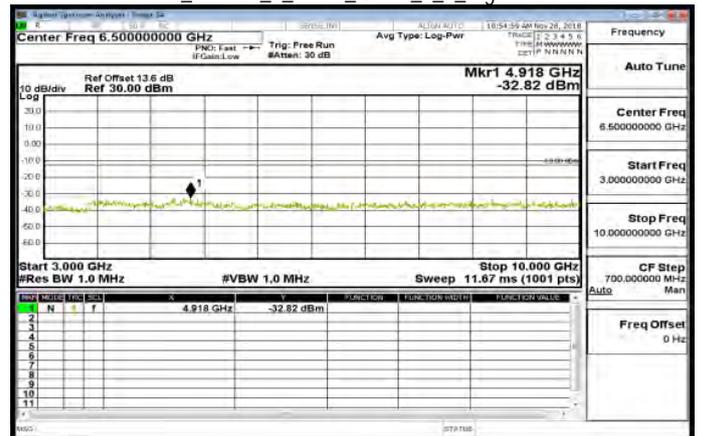
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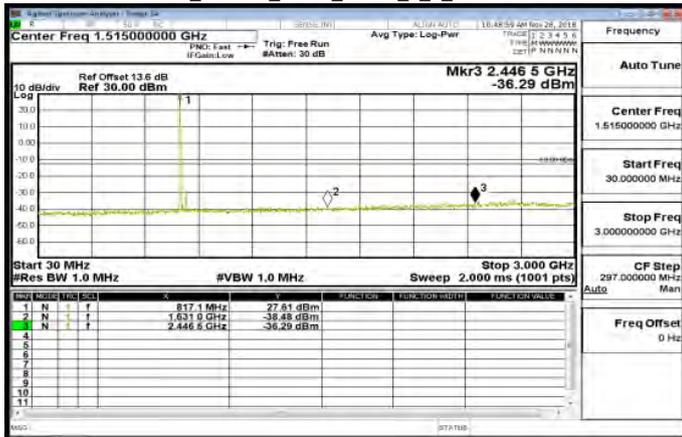
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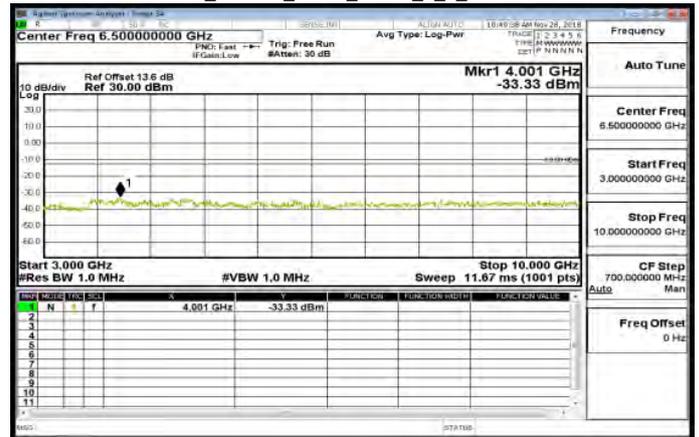
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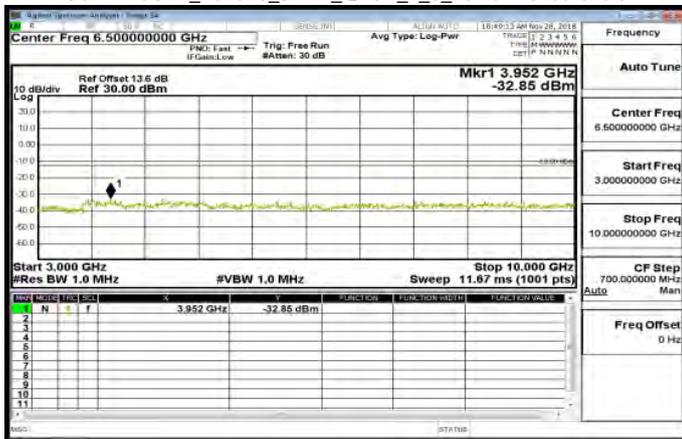
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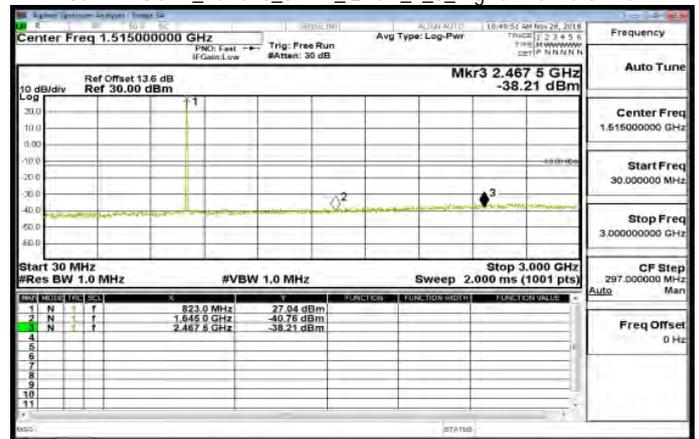
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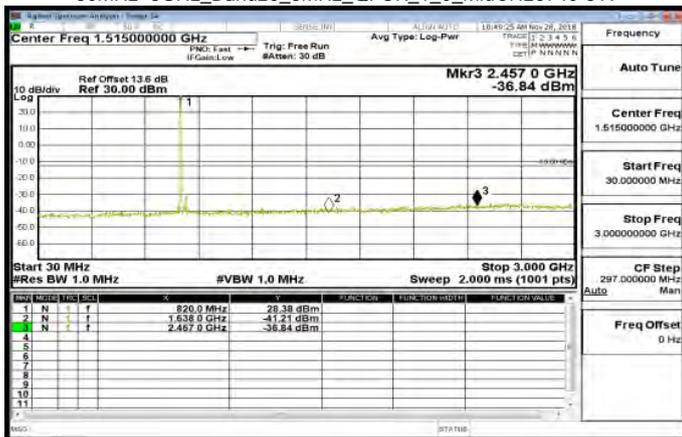
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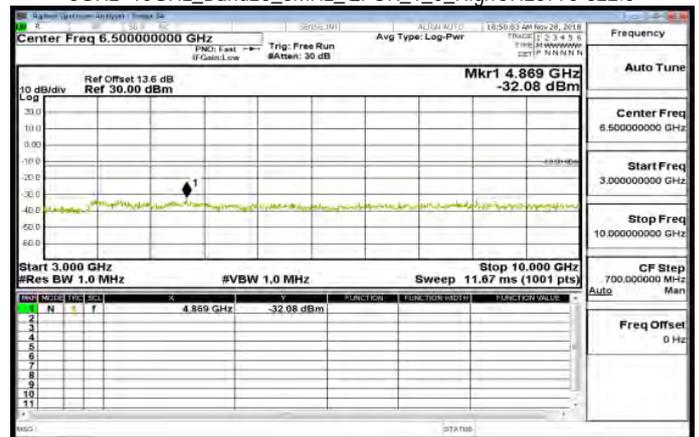
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30MHz~3GHz\_Band26\_3MHz\_QPSK\_1\_0\_MidCH26740-819



3GHz~10GHz\_Band26\_3MHz\_QPSK\_1\_0\_HighCH26775-822.5



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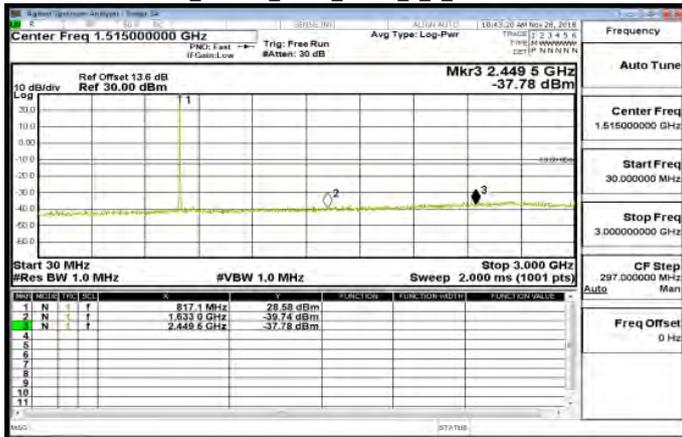
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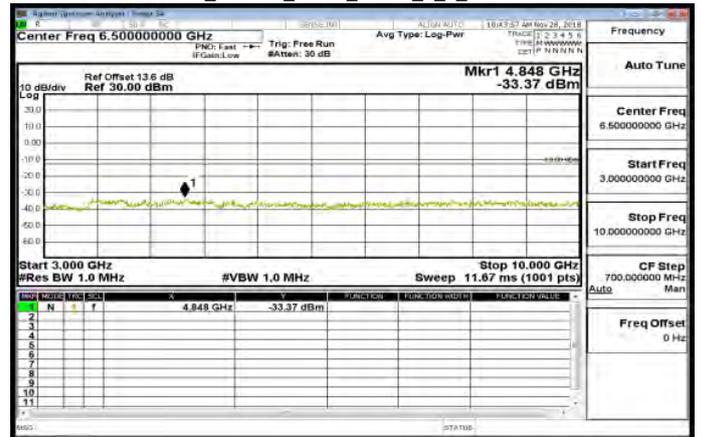
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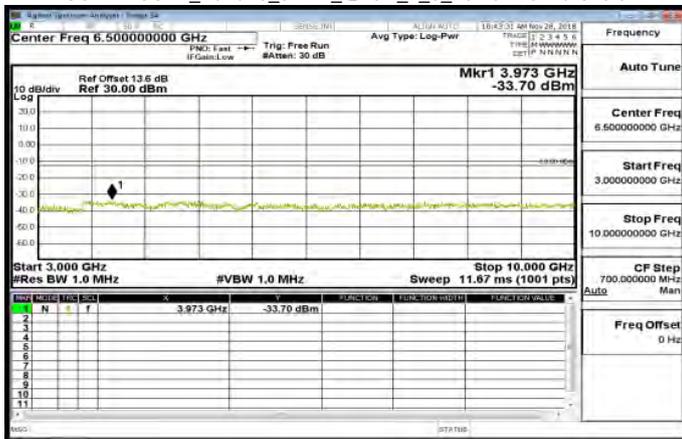
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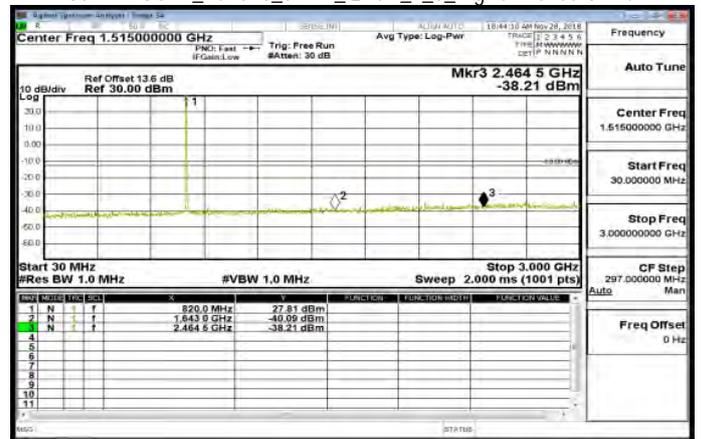
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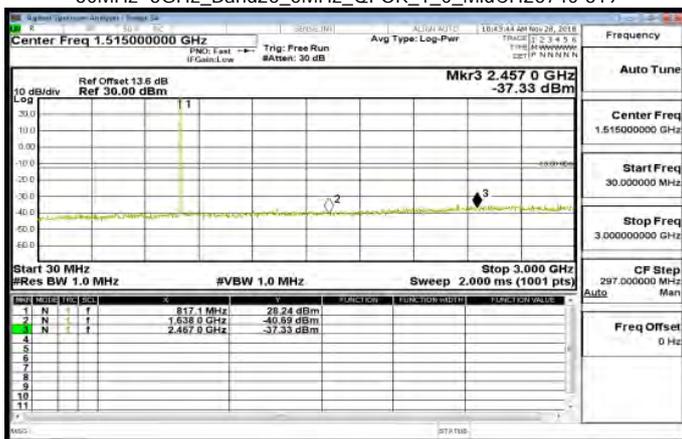
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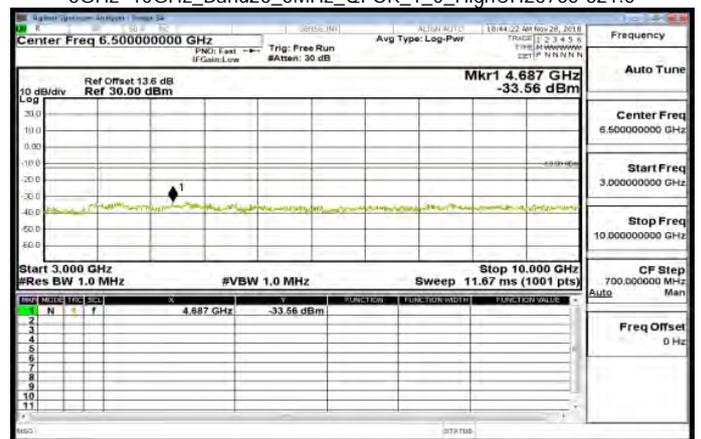
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30MHz~3GHz\_Band26\_5MHz\_QPSK\_1\_0\_MidCH26740-819



3GHz~10GHz\_Band26\_5MHz\_QPSK\_1\_0\_HighCH26765-821.5



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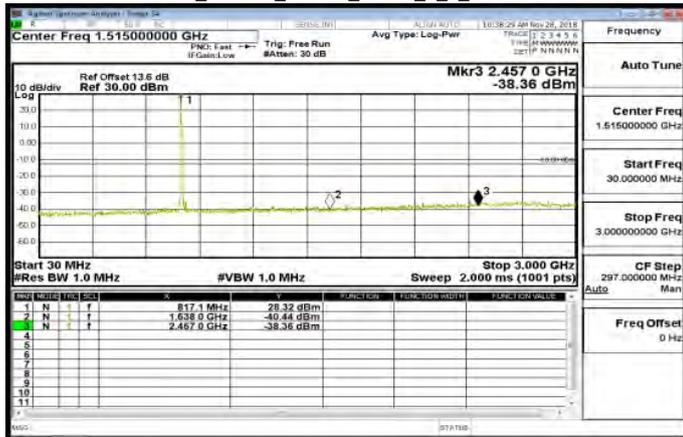
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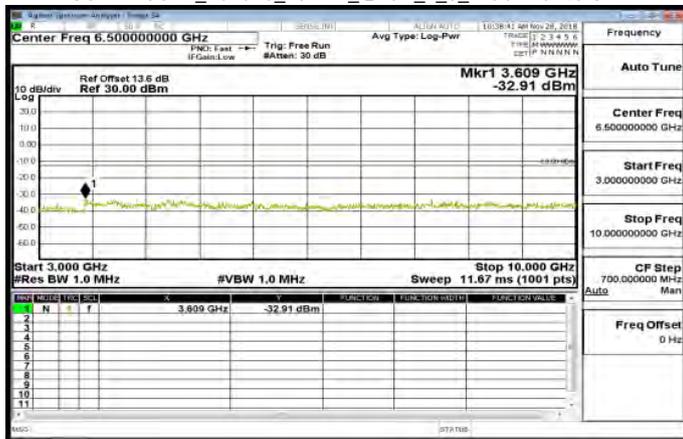
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3GHz~10GHz\_Band26\_10MHz\_QPSK\_1\_0\_MidCH26740-819



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

§27.53 (c)

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

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

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

FCC §27.53(c) (5) & FCC §27.53(g)

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

FCC §27.53(h) (3)

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

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## FCC §27.53(m) (4) (6)

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

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

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**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	$43 + 10 \log_{10}(p)$ <sup>Note</sup>
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	$43 + 10 \log_{10}(p)$ <sup>Note</sup>
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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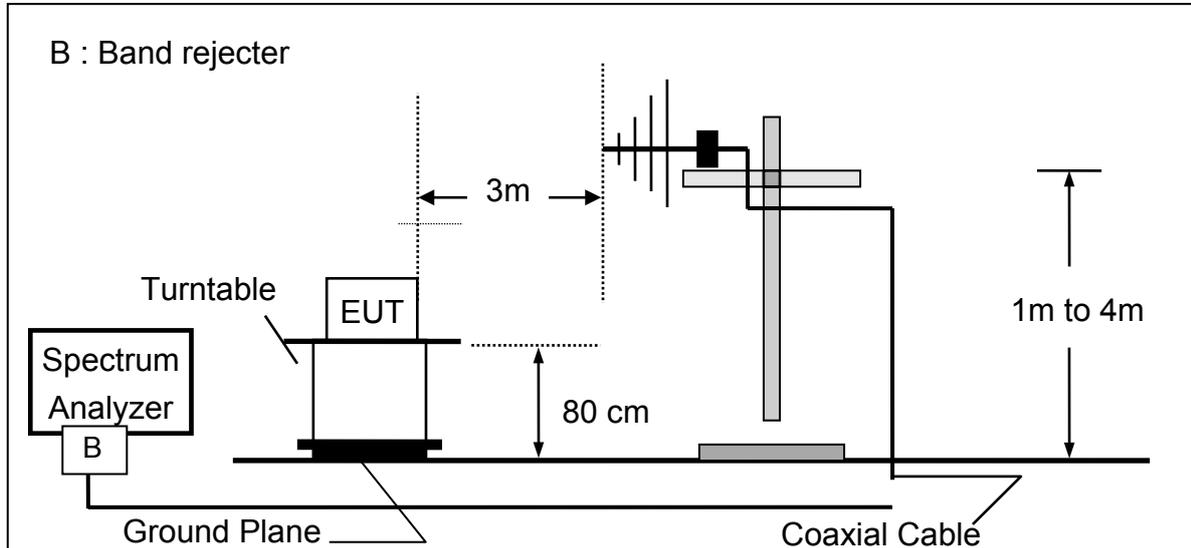
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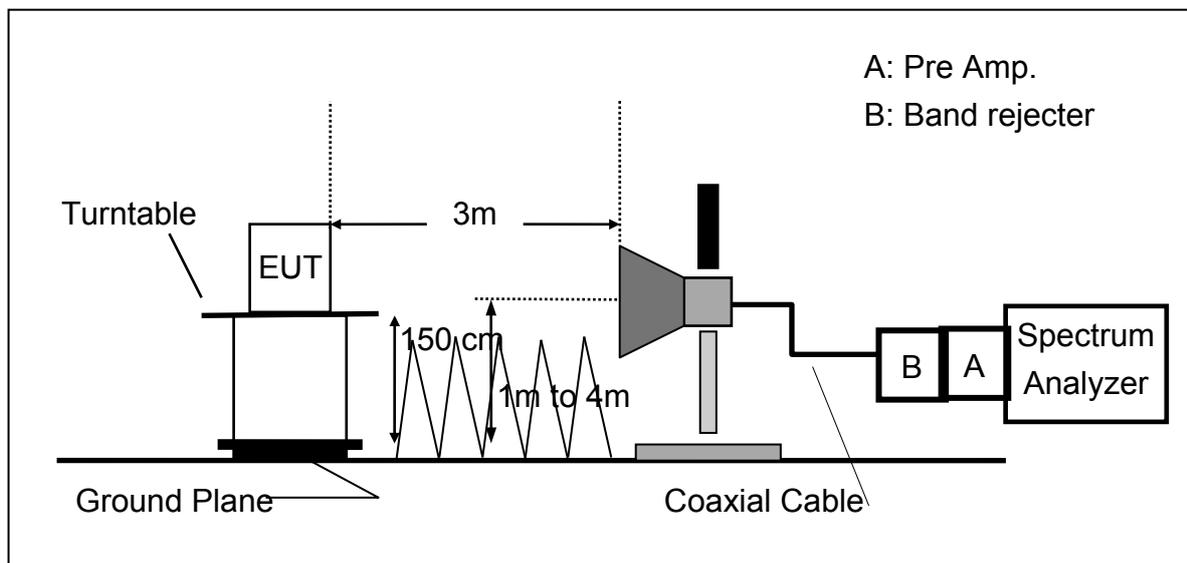
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## 9.2. EUT Setup

### 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.

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

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

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#### 9.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35243	2018/10/30	2019/10/29
Horn Antenna	Schwarzbeck	BBHA9120D	1341	2018/06/07	2019/06/06
Horn Antenna	SCHWAZBECK	BBHA9170	185	2018/08/02	2019/08/01
EMI Test Receiver	R&S	ESU 40	100363	2018/04/11	2019/04/10
Radio Communication Analyer	Anritsu	MT8820C	6201107337	2018/06/15	2019/06/14
Radio Communication Analyer	Anritsu	MT8821C	6261786084	2018/01/03	2019/01/02
Pre-Amplifier	EMC Instruments	EMC330	980096	2017/12/26	2018/12/25
Pre-Amplifier	EMC Instruments	EMC0011830	980199	2017/12/26	2018/12/25
Pre-Amplifier	EMC Instruments	EMC184045B	980135	2018/10/02	2019/10/01
Notch Filter	Woken	EWT-54-0037	RF105	2017/12/26	2018/12/25
Notch Filter	Woken	EWT-54-0038	RF55	2017/12/26	2018/12/25
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	EMC106-SM-SM-9100	150704	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	2017/12/26	2018/12/25

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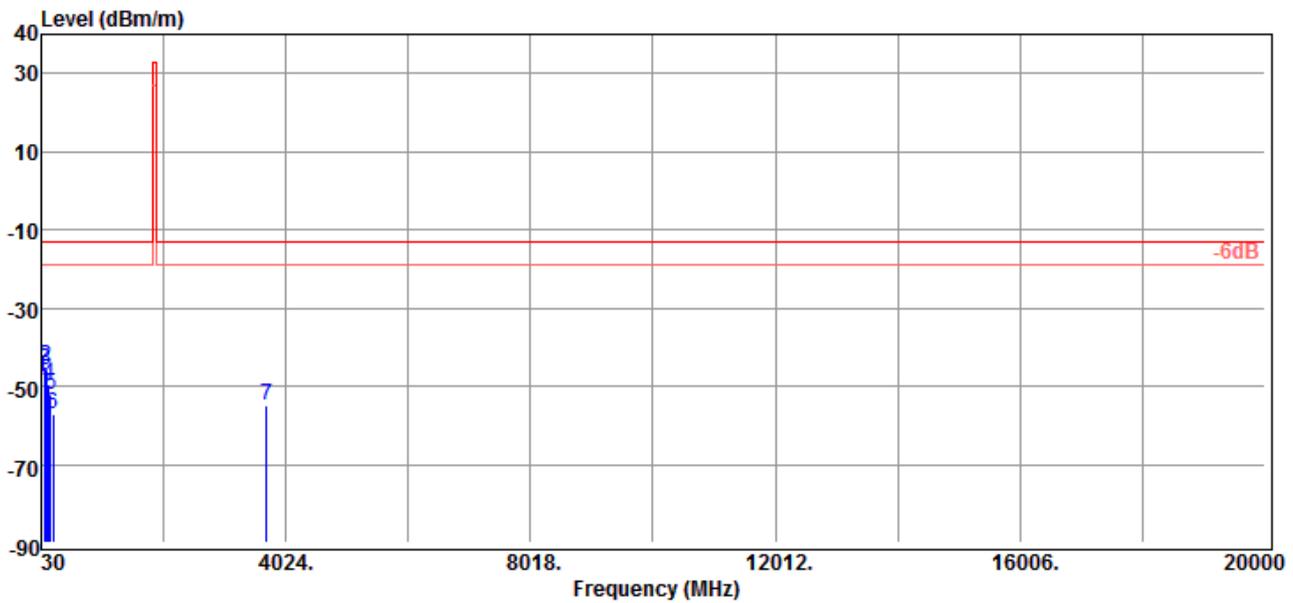
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### 9.5. Measurement Result:

#### Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Operation Mode	:WCDMA B2	Test Date	:2018-12-03
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1852.4 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-47.59	-29.66	-17.44	-0.49	-13.00	-34.59
95.96	-45.23	-43.84	-0.55	-0.84	-13.00	-32.23
110.51	-45.96	-45.02	-0.05	-0.89	-13.00	-32.96
159.98	-49.35	-51.57	3.27	-1.05	-13.00	-36.35
183.26	-52.30	-55.97	4.83	-1.16	-13.00	-39.30
219.15	-57.11	-61.35	5.56	-1.32	-13.00	-44.11
3704.80	-54.92	-60.61	12.43	-6.74	-13.00	-41.92

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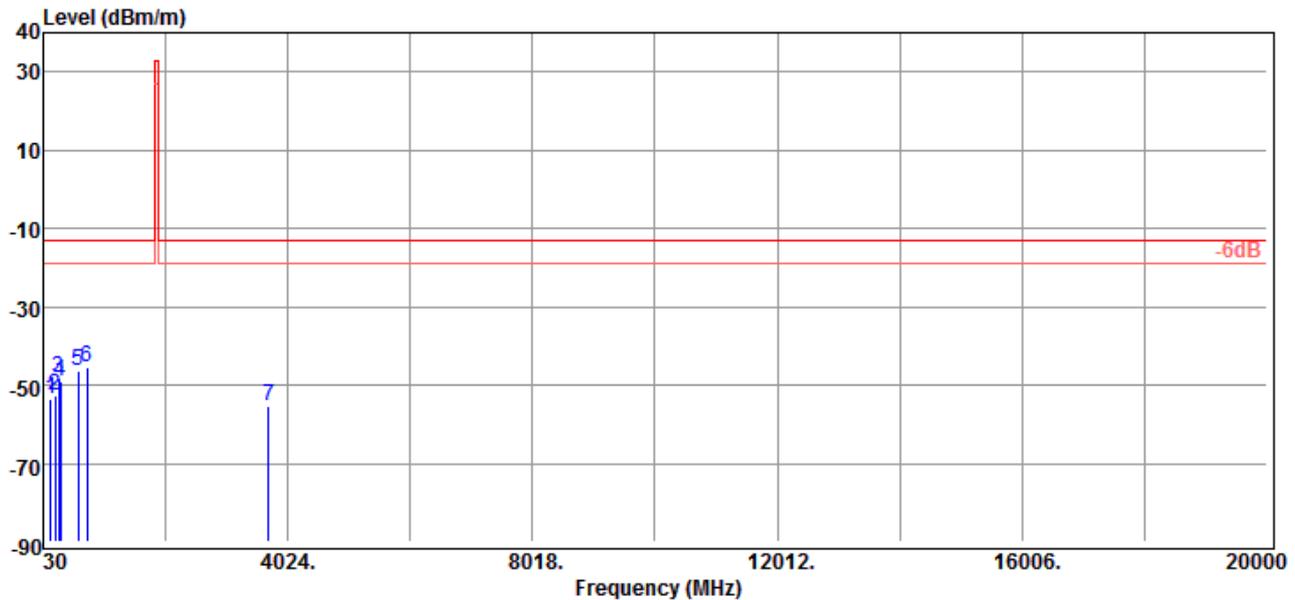
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Operation Mode	:WCDMA B2	Test Date	:2018-12-03
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1852.4 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
159.01	-53.42	-55.58	3.20	-1.04	-13.00	-40.42
225.94	-52.62	-56.75	5.47	-1.34	-13.00	-39.62
282.20	-48.32	-52.38	5.62	-1.56	-13.00	-35.32
306.45	-49.14	-53.32	5.84	-1.66	-13.00	-36.14
597.45	-46.18	-50.70	6.65	-2.13	-13.00	-33.18
745.86	-45.63	-50.96	7.40	-2.07	-13.00	-32.63
3704.80	-55.40	-61.09	12.43	-6.74	-13.00	-42.40

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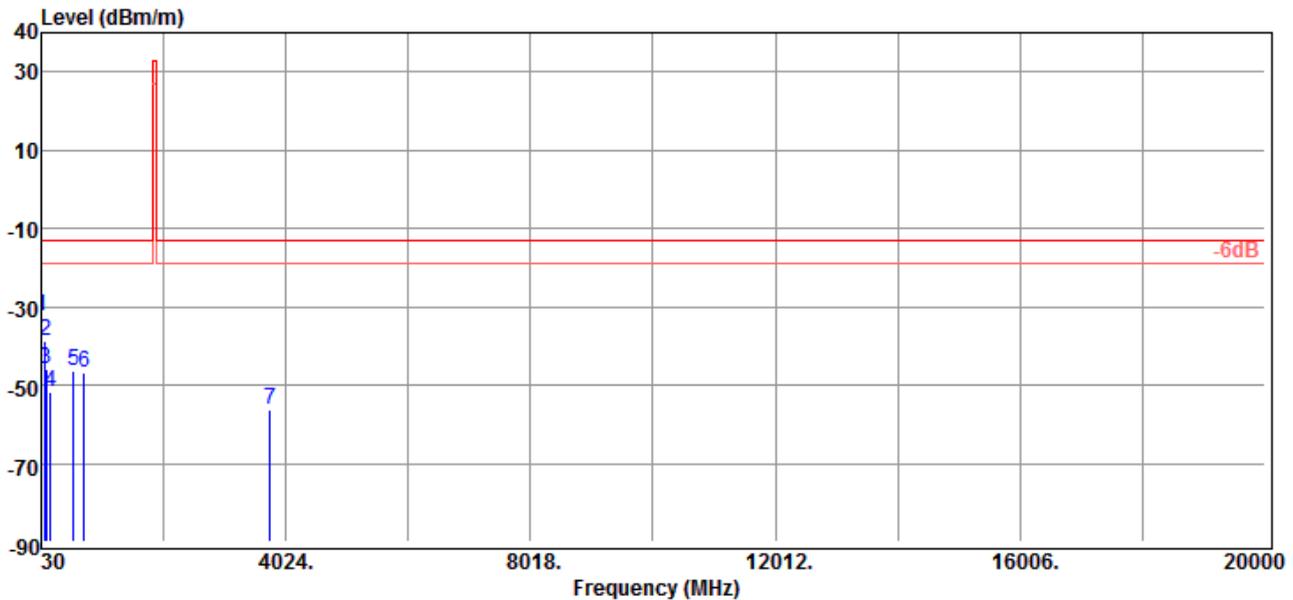
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Operation Mode	:WCDMA B2	Test Date	:2018-12-03
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1880 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
35.82	-32.55	-16.96	-15.06	-0.53	-13.00	-19.55
96.93	-38.72	-37.24	-0.63	-0.85	-13.00	-25.72
110.51	-46.05	-45.11	-0.05	-0.89	-13.00	-33.05
185.20	-51.93	-55.71	4.95	-1.17	-13.00	-38.93
553.80	-46.43	-50.36	6.26	-2.33	-13.00	-33.43
730.34	-46.82	-52.05	7.37	-2.14	-13.00	-33.82
3760.00	-56.26	-62.05	12.46	-6.67	-13.00	-43.26

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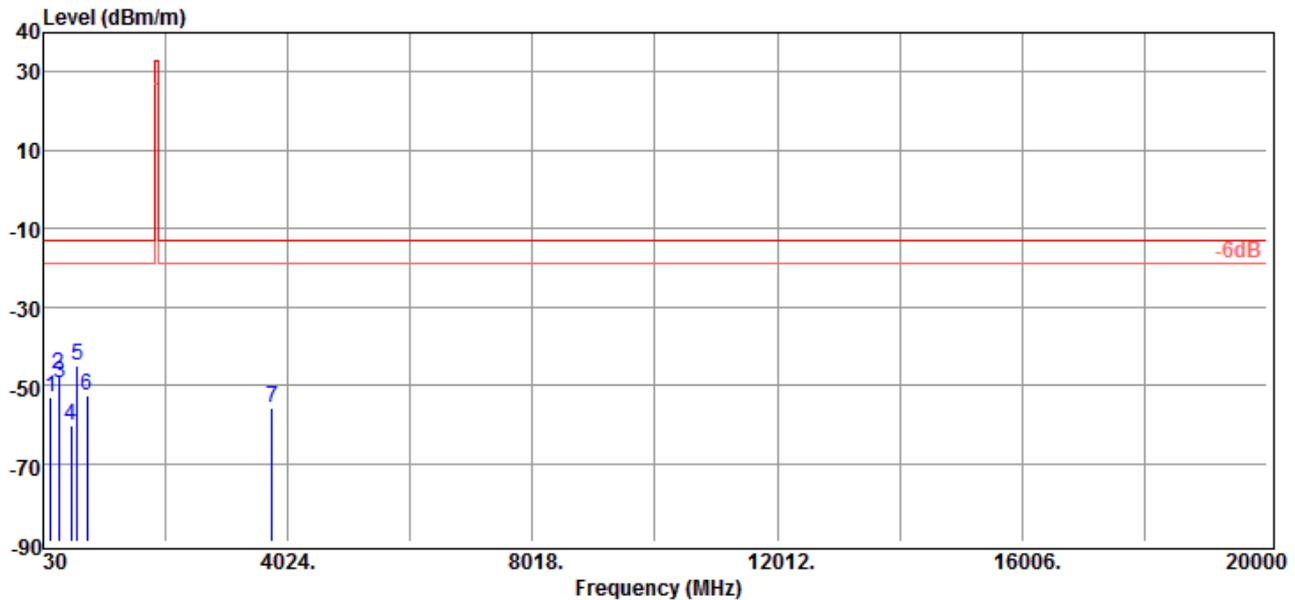
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Operation Mode	:WCDMA B2	Test Date	:2018-12-03
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1880 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
159.98	-53.20	-55.42	3.27	-1.05	-13.00	-40.20
283.17	-47.24	-51.31	5.63	-1.56	-13.00	-34.24
302.57	-49.42	-53.63	5.85	-1.64	-13.00	-36.42
481.05	-60.14	-63.94	6.21	-2.41	-13.00	-47.14
591.63	-45.16	-49.60	6.60	-2.16	-13.00	-32.16
746.83	-52.45	-57.78	7.40	-2.07	-13.00	-39.45
3760.00	-55.88	-61.67	12.46	-6.67	-13.00	-42.88

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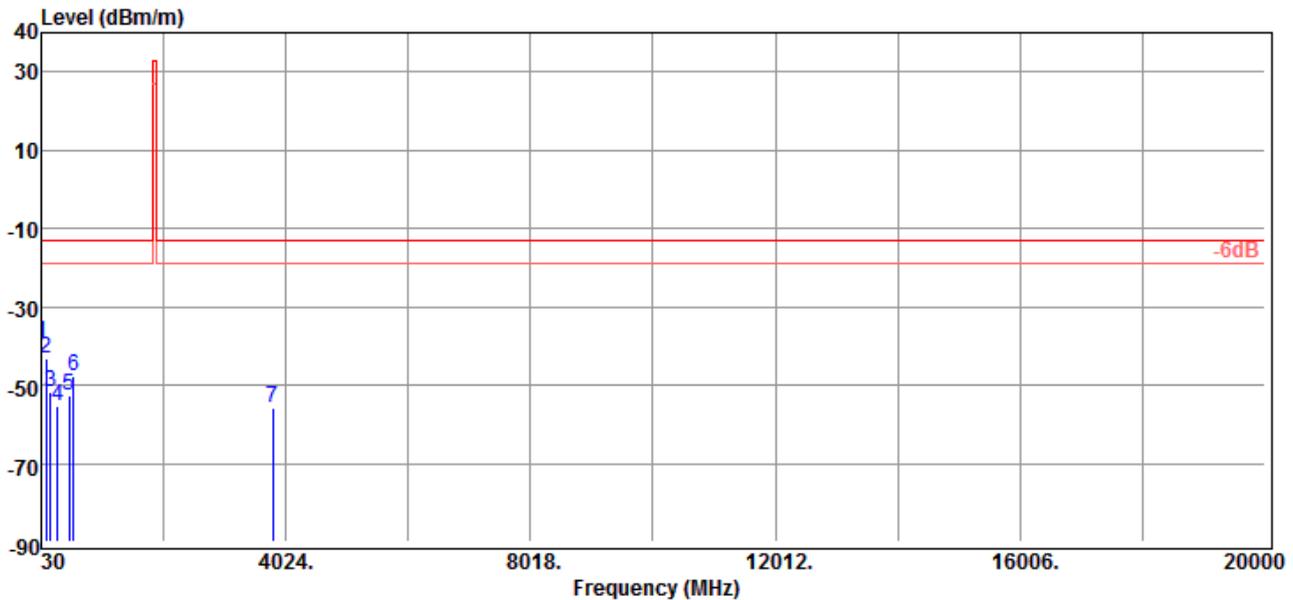
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Operation Mode	:WCDMA B2	Test Date	:2018-12-03
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1907.6 MHz	Engineer	:Ashton



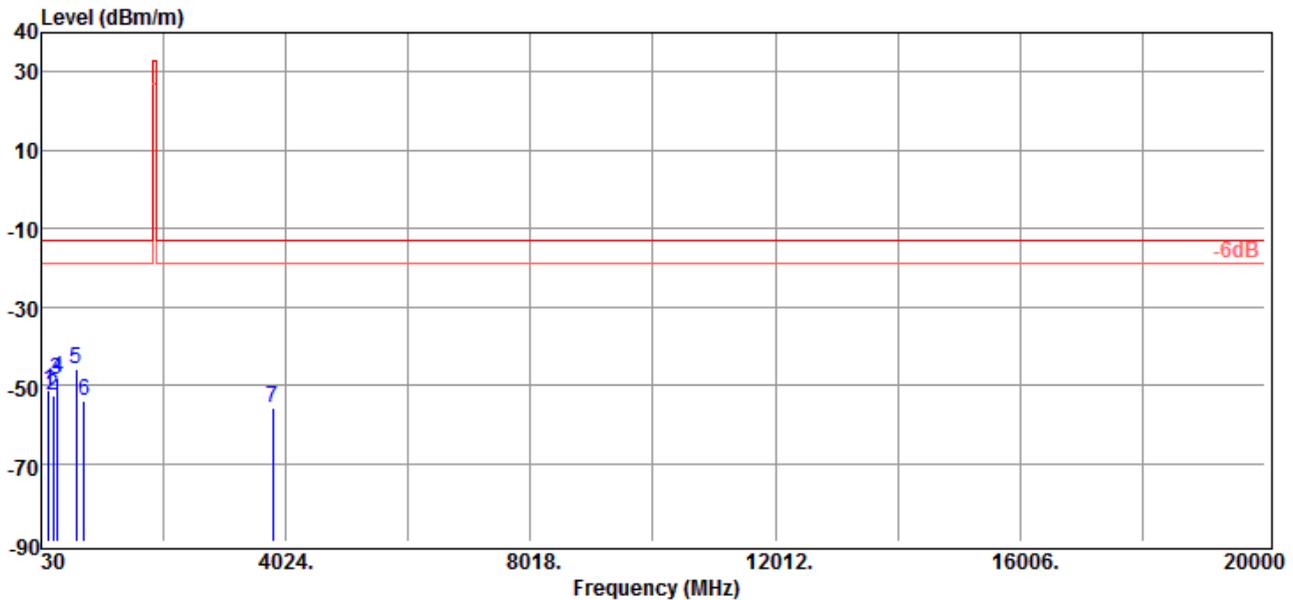
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-39.31	-21.38	-17.44	-0.49	-13.00	-26.31
110.51	-43.00	-42.06	-0.05	-0.89	-13.00	-30.00
184.23	-51.67	-55.40	4.89	-1.16	-13.00	-38.67
298.69	-55.55	-59.76	5.83	-1.62	-13.00	-42.55
480.08	-52.55	-56.36	6.21	-2.40	-13.00	-39.55
561.56	-47.51	-51.54	6.33	-2.30	-13.00	-34.51
3815.20	-55.87	-61.77	12.49	-6.59	-13.00	-42.87

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Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1907.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
159.98	-51.21	-53.43	3.27	-1.05	-13.00	-38.21
224.97	-52.60	-56.74	5.48	-1.34	-13.00	-39.60
283.17	-48.44	-52.51	5.63	-1.56	-13.00	-35.44
297.72	-48.27	-52.48	5.82	-1.61	-13.00	-35.27
595.51	-46.12	-50.61	6.63	-2.14	-13.00	-33.12
730.34	-53.97	-59.20	7.37	-2.14	-13.00	-40.97
3815.20	-55.98	-61.88	12.49	-6.59	-13.00	-42.98

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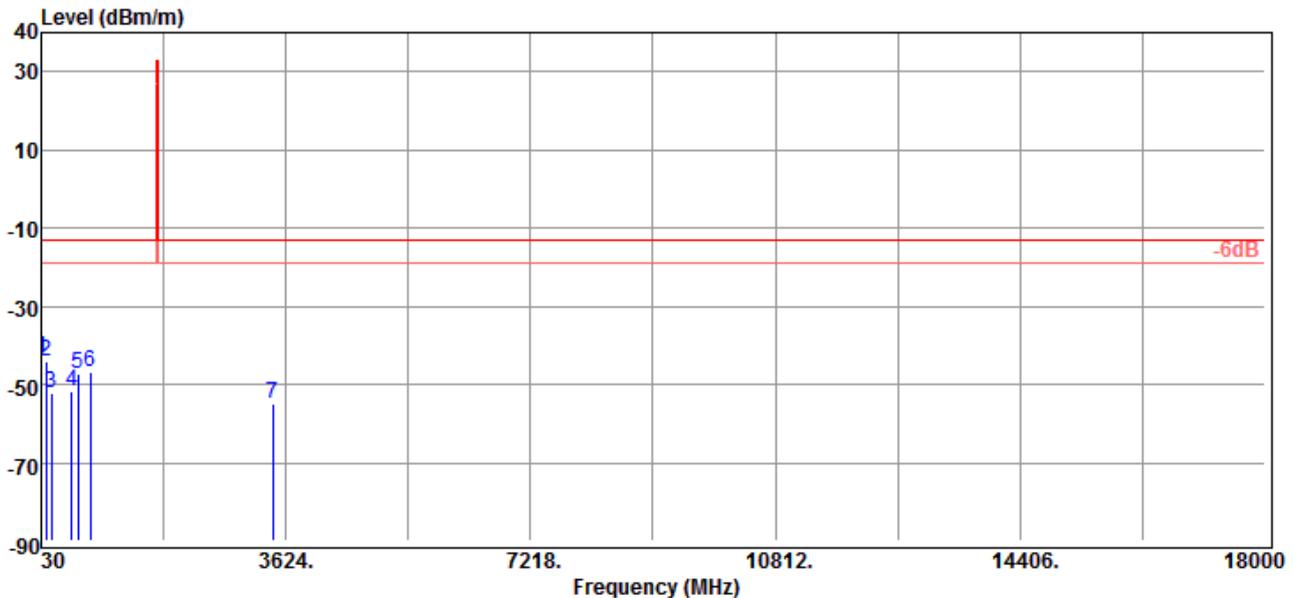
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### Radiated Spurious Emission Measurement Result: WCDMA Band 4 Mode

Operation Mode	:WCDMA B4	Test Date	:2018-12-03
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1712.4 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-43.12	-27.53	-15.06	-0.53	-13.00	-30.12
95.96	-44.08	-42.69	-0.55	-0.84	-13.00	-31.08
185.20	-52.42	-56.20	4.95	-1.17	-13.00	-39.42
477.17	-51.95	-55.78	6.19	-2.36	-13.00	-38.95
570.29	-47.25	-51.40	6.41	-2.26	-13.00	-34.25
746.83	-46.71	-52.04	7.40	-2.07	-13.00	-33.71
3424.80	-54.97	-60.49	12.16	-6.64	-13.00	-41.97

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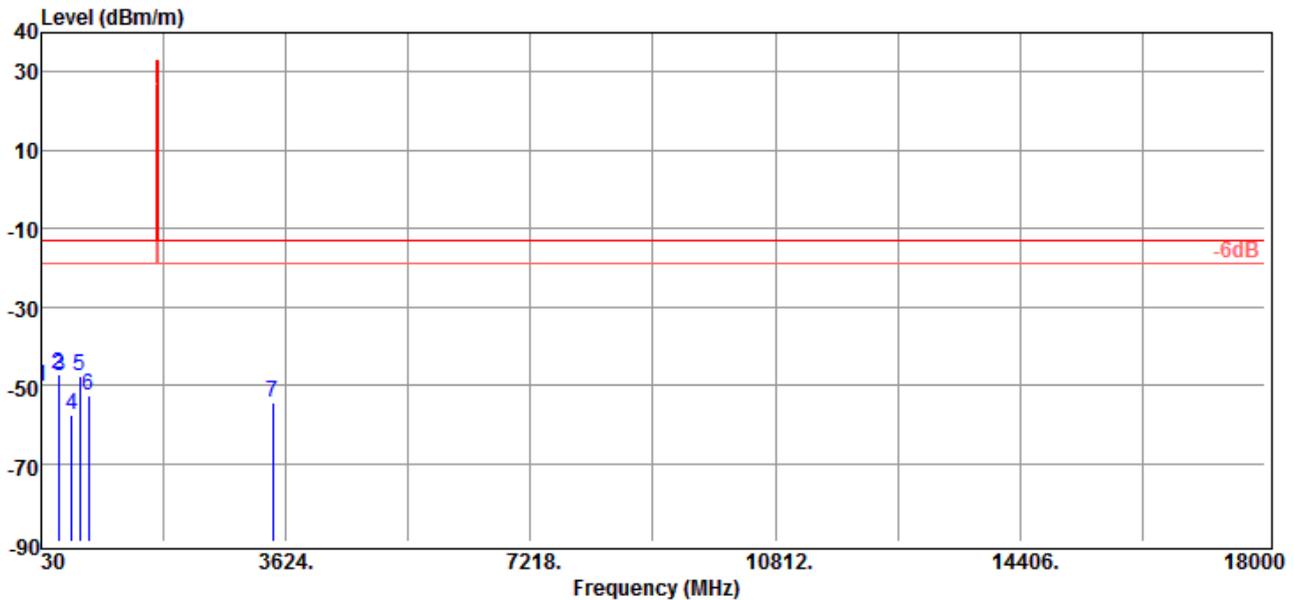
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Operation Mode	:WCDMA B4	Test Date	:2018-12-03
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1712.4 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-50.63	-32.70	-17.44	-0.49	-13.00	-37.63
282.20	-47.41	-51.47	5.62	-1.56	-13.00	-34.41
295.78	-47.90	-52.10	5.80	-1.60	-13.00	-34.90
483.96	-57.49	-61.27	6.22	-2.44	-13.00	-44.49
599.39	-47.93	-52.47	6.66	-2.12	-13.00	-34.93
729.37	-52.72	-57.94	7.37	-2.15	-13.00	-39.72
3424.80	-54.32	-59.84	12.16	-6.64	-13.00	-41.32

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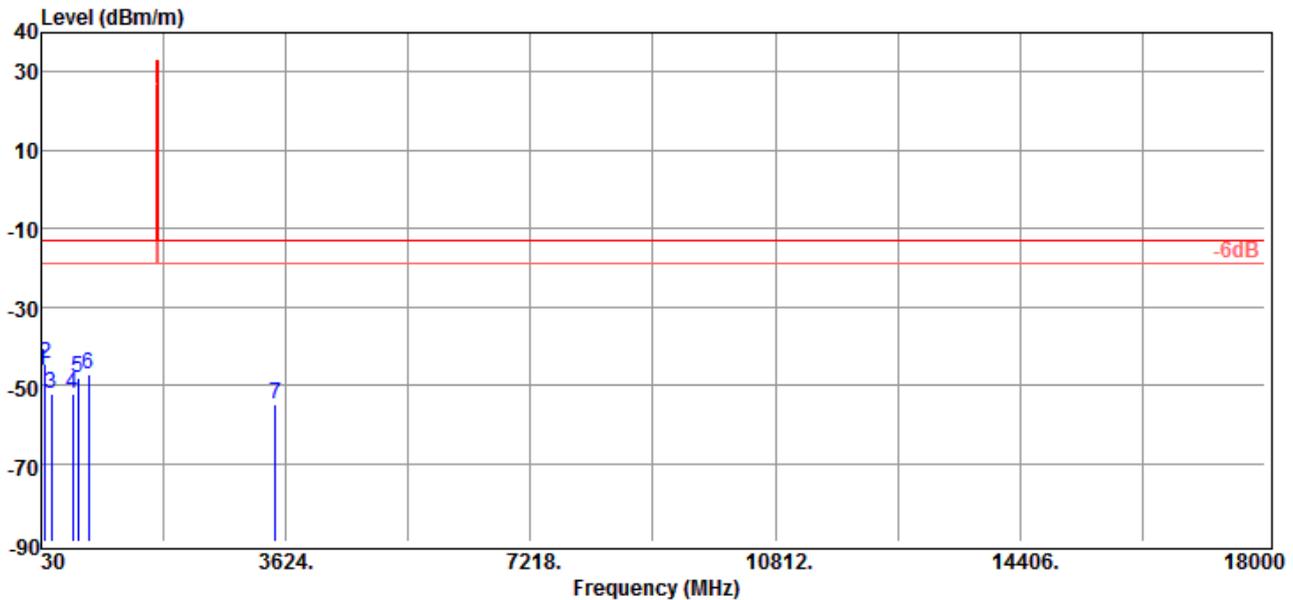
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Operation Mode	:WCDMA B4	Test Date	:2018-12-03
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1732.6 MHz	Engineer	:Ashton



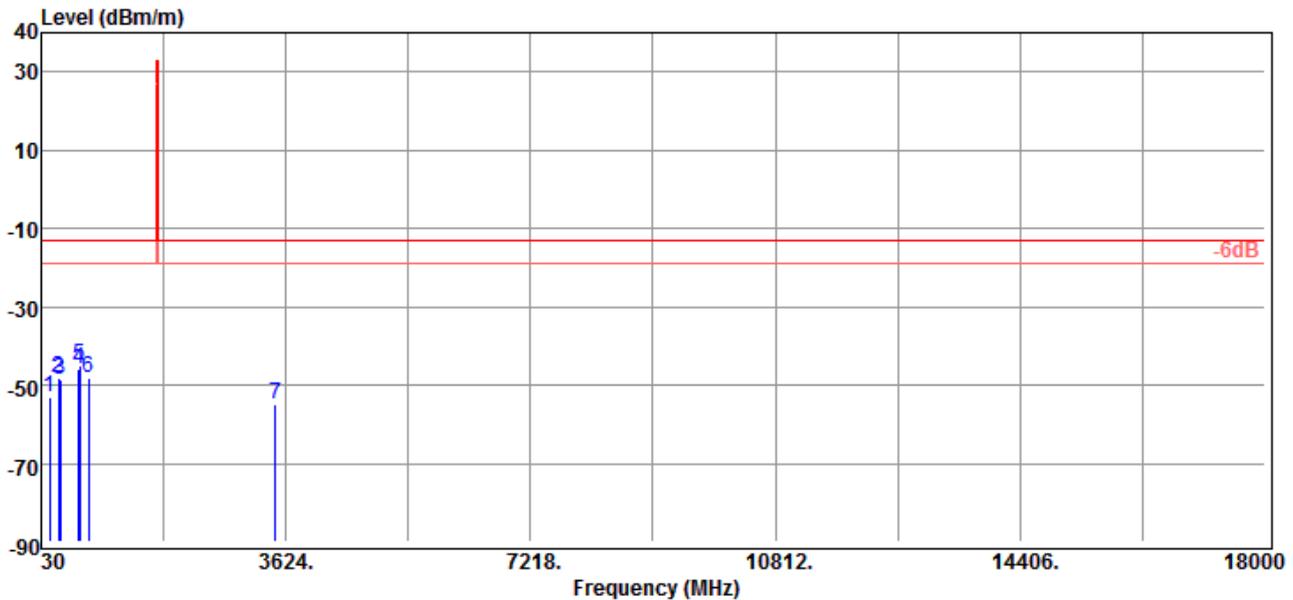
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.88	-46.34	-29.21	-16.63	-0.50	-13.00	-33.34
94.02	-44.70	-43.50	-0.37	-0.83	-13.00	-31.70
184.23	-52.12	-55.85	4.89	-1.16	-13.00	-39.12
486.87	-52.38	-56.14	6.23	-2.47	-13.00	-39.38
571.26	-48.01	-52.18	6.42	-2.25	-13.00	-35.01
730.34	-47.23	-52.46	7.37	-2.14	-13.00	-34.23
3465.20	-55.11	-60.51	12.24	-6.84	-13.00	-42.11

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Operation Mode	:WCDMA B4	Test Date	:2018-12-03
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1732.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
158.04	-53.29	-55.38	3.13	-1.04	-13.00	-40.29
283.17	-48.34	-52.41	5.63	-1.56	-13.00	-35.34
303.54	-48.69	-52.90	5.85	-1.64	-13.00	-35.69
584.84	-45.70	-50.05	6.54	-2.19	-13.00	-32.70
600.36	-44.96	-49.51	6.67	-2.12	-13.00	-31.96
730.34	-48.11	-53.34	7.37	-2.14	-13.00	-35.11
3465.20	-55.03	-60.43	12.24	-6.84	-13.00	-42.03

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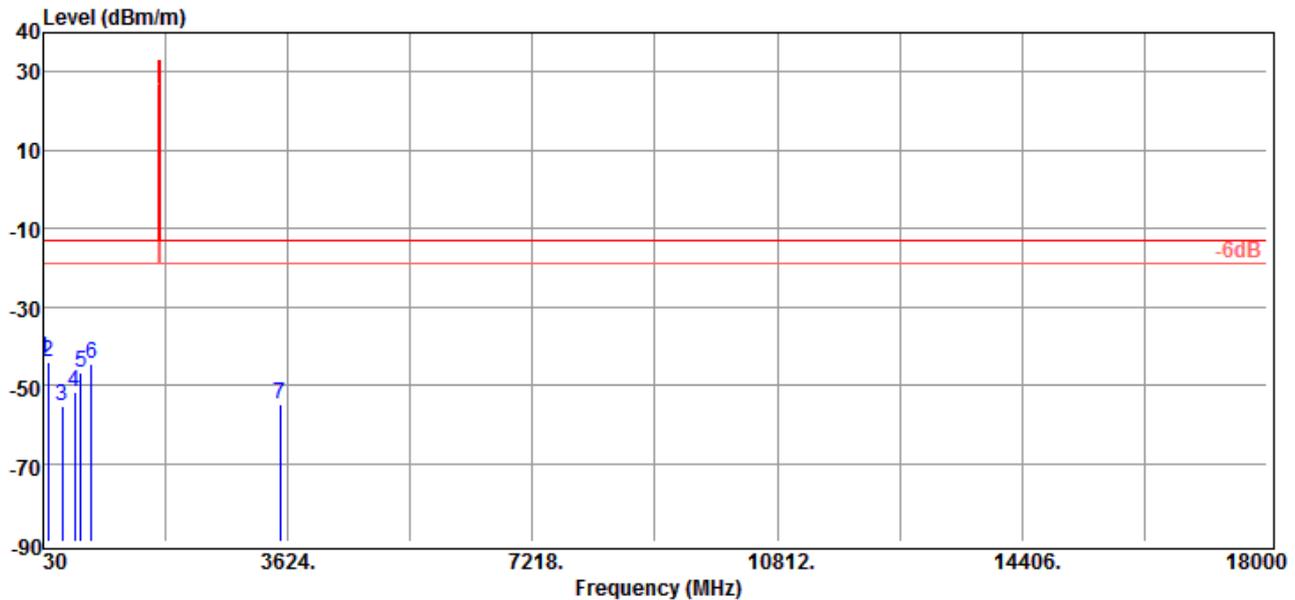
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Operation Mode	:WCDMA B4	Test Date	:2018-12-03
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1752.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-43.33	-25.40	-17.44	-0.49	-13.00	-30.33
97.90	-43.98	-42.42	-0.71	-0.85	-13.00	-30.98
308.39	-55.16	-59.32	5.84	-1.68	-13.00	-42.16
486.87	-51.69	-55.45	6.23	-2.47	-13.00	-38.69
587.75	-46.69	-51.07	6.56	-2.18	-13.00	-33.69
734.22	-44.50	-49.75	7.38	-2.13	-13.00	-31.50
3505.20	-54.86	-60.16	12.30	-7.00	-13.00	-41.86

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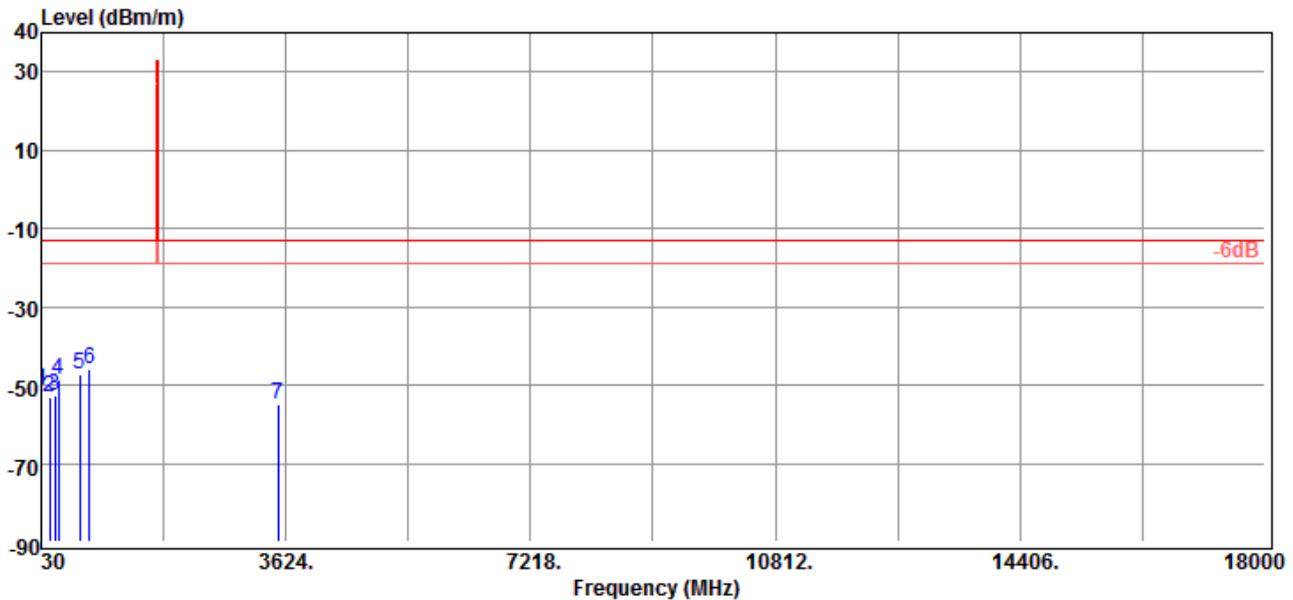
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Operation Mode	:WCDMA B4	Test Date	:2018-12-03
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1752.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.88	-51.24	-34.11	-16.63	-0.50	-13.00	-38.24
159.98	-53.15	-55.37	3.27	-1.05	-13.00	-40.15
229.82	-52.79	-56.85	5.42	-1.36	-13.00	-39.79
283.17	-48.46	-52.53	5.63	-1.56	-13.00	-35.46
597.45	-47.20	-51.72	6.65	-2.13	-13.00	-34.20
736.16	-46.11	-51.37	7.38	-2.12	-13.00	-33.11
3505.20	-55.08	-60.38	12.30	-7.00	-13.00	-42.08

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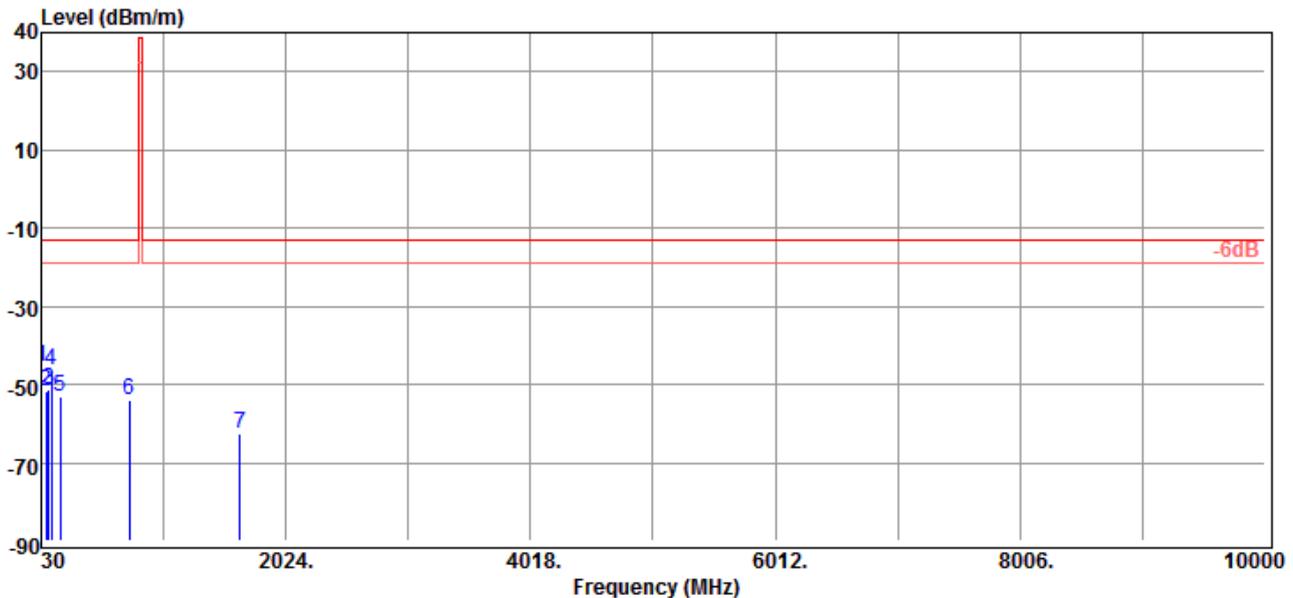
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### Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Operation Mode	:WCDMA B5	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:826.4 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-45.41	-27.48	-17.44	-0.49	-13.00	-32.41
70.74	-51.60	-51.39	0.52	-0.73	-13.00	-38.60
93.05	-51.36	-50.24	-0.29	-0.83	-13.00	-38.36
109.54	-46.42	-45.41	-0.12	-0.89	-13.00	-33.42
184.23	-53.26	-56.99	4.89	-1.16	-13.00	-40.26
746.83	-54.18	-59.51	7.40	-2.07	-13.00	-41.18
1652.80	-62.51	-67.48	8.81	-3.84	-13.00	-49.51

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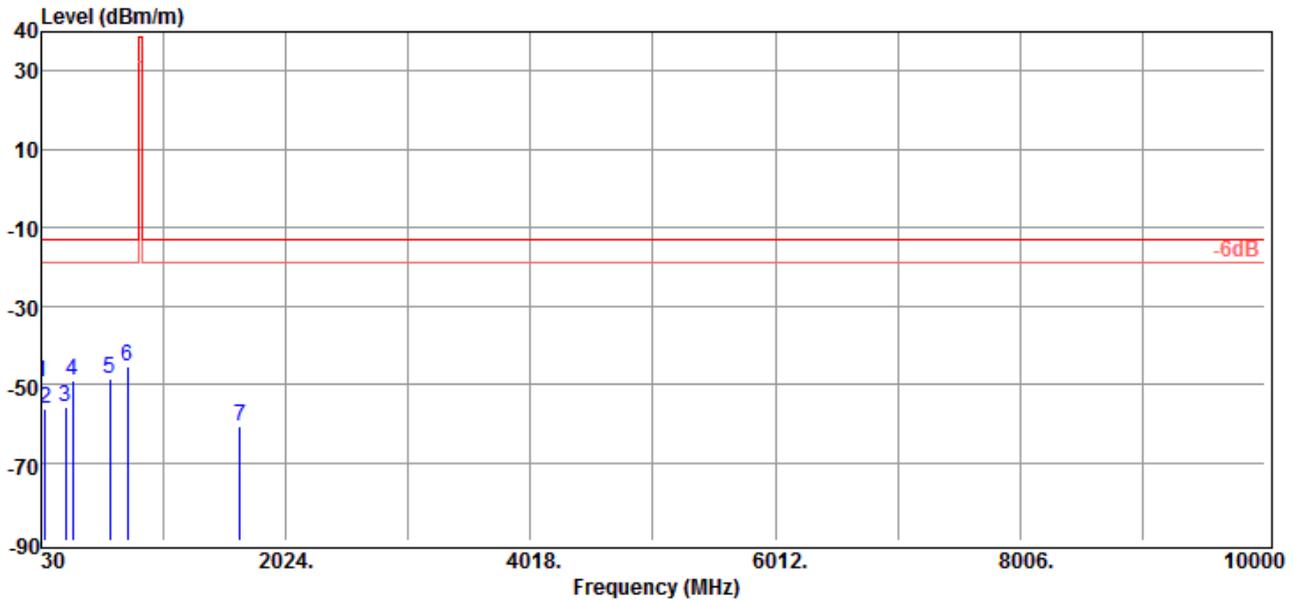
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Operation Mode	:WCDMA B5	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:826.4 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-49.54	-29.05	-20.05	-0.44	-13.00	-36.54
61.04	-56.05	-54.71	-0.68	-0.66	-13.00	-43.05
229.82	-55.89	-59.95	5.42	-1.36	-13.00	-42.89
283.17	-49.01	-53.08	5.63	-1.56	-13.00	-36.01
589.69	-48.48	-52.89	6.58	-2.17	-13.00	-35.48
730.34	-45.62	-50.85	7.37	-2.14	-13.00	-32.62
1652.80	-60.99	-65.96	8.81	-3.84	-13.00	-47.99

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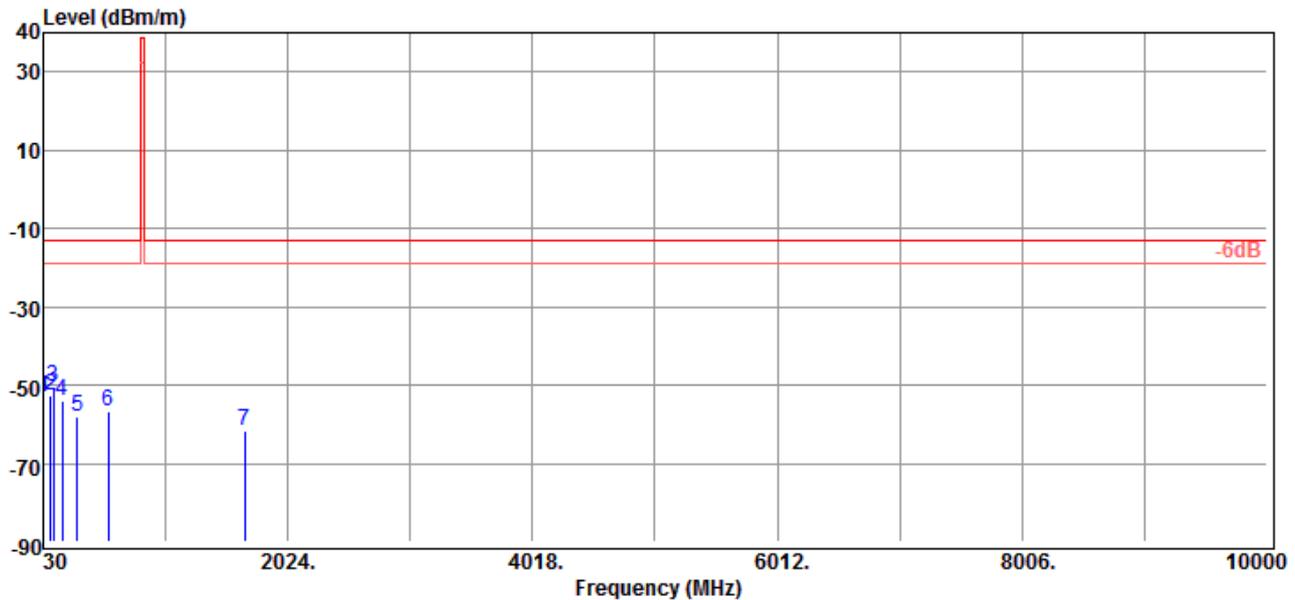
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Operation Mode	:WCDMA B5	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:836.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-53.17	-32.68	-20.05	-0.44	-13.00	-40.17
92.08	-52.44	-51.42	-0.20	-0.82	-13.00	-39.44
111.48	-50.48	-49.61	0.03	-0.90	-13.00	-37.48
185.20	-54.00	-57.78	4.95	-1.17	-13.00	-41.00
305.48	-58.24	-62.42	5.84	-1.66	-13.00	-45.24
560.59	-56.54	-60.56	6.32	-2.30	-13.00	-43.54
1673.20	-61.79	-66.83	8.90	-3.86	-13.00	-48.79

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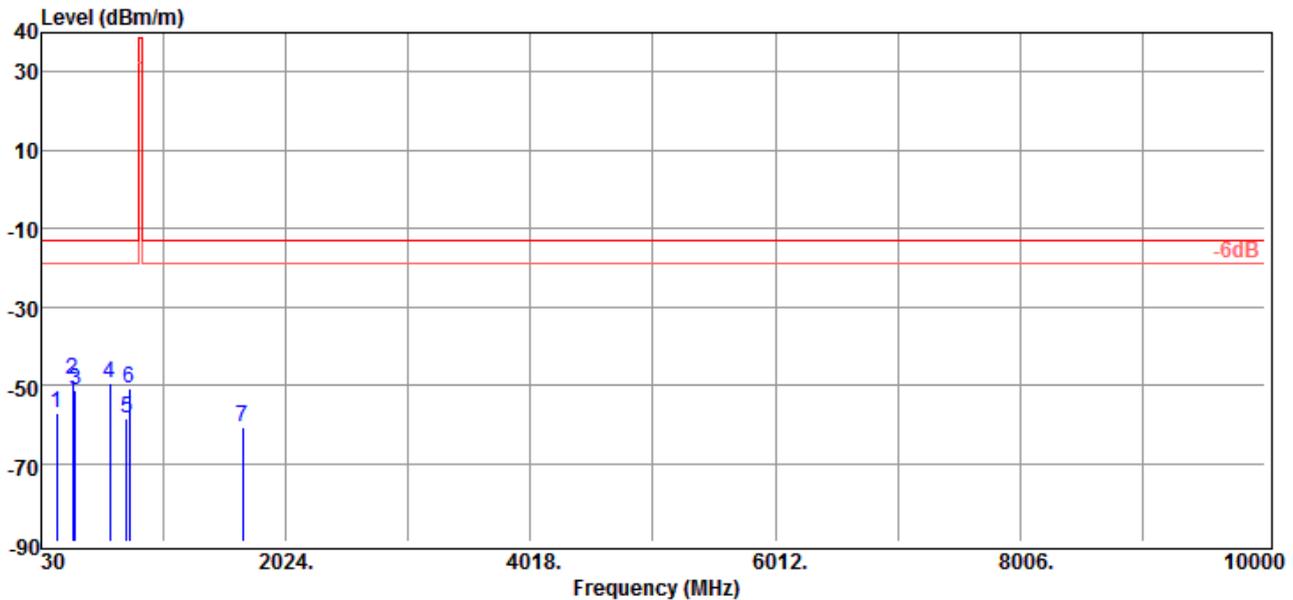
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Operation Mode	:WCDMA B5	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:836.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
159.01	-57.15	-59.31	3.20	-1.04	-13.00	-44.15
283.17	-48.47	-52.54	5.63	-1.56	-13.00	-35.47
306.45	-51.52	-55.70	5.84	-1.66	-13.00	-38.52
589.69	-49.59	-54.00	6.58	-2.17	-13.00	-36.59
729.37	-58.59	-63.81	7.37	-2.15	-13.00	-45.59
746.83	-50.68	-56.01	7.40	-2.07	-13.00	-37.68
1673.20	-60.88	-65.92	8.90	-3.86	-13.00	-47.88

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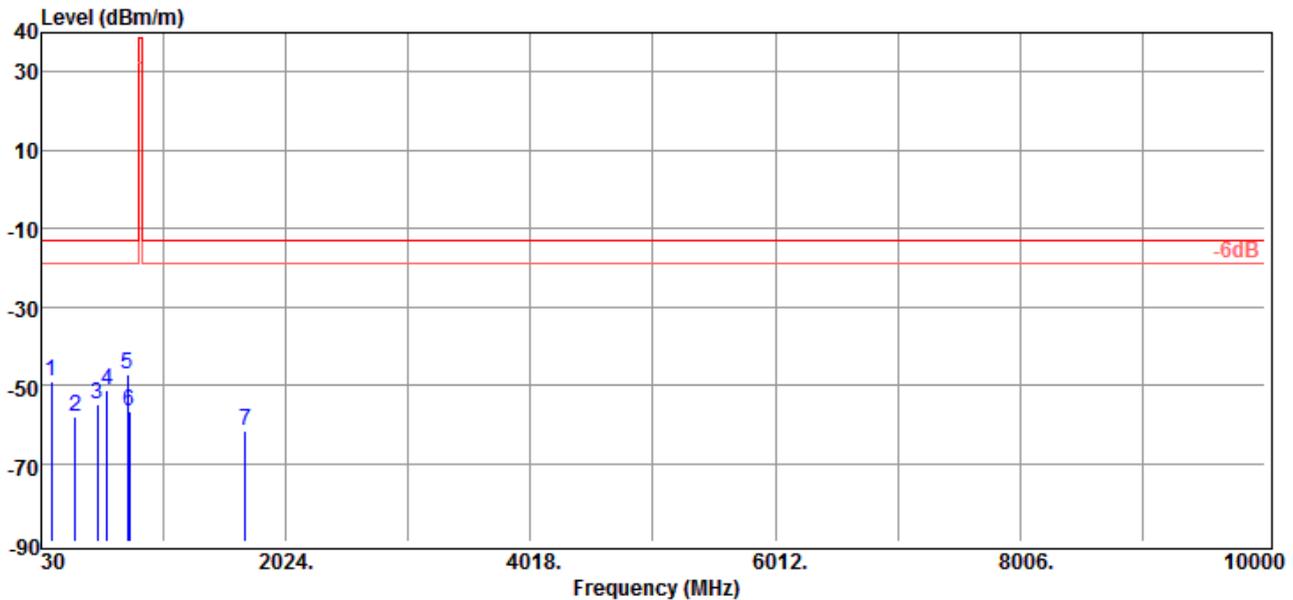
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Operation Mode	:WCDMA B5	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:846.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-48.87	-47.93	-0.05	-0.89	-13.00	-35.87
309.36	-57.94	-62.10	5.84	-1.68	-13.00	-44.94
484.93	-54.91	-58.69	6.23	-2.45	-13.00	-41.91
565.44	-51.31	-55.39	6.36	-2.28	-13.00	-38.31
734.22	-47.22	-52.47	7.38	-2.13	-13.00	-34.22
746.83	-56.90	-62.23	7.40	-2.07	-13.00	-43.90
1693.20	-61.58	-66.67	8.98	-3.89	-13.00	-48.58

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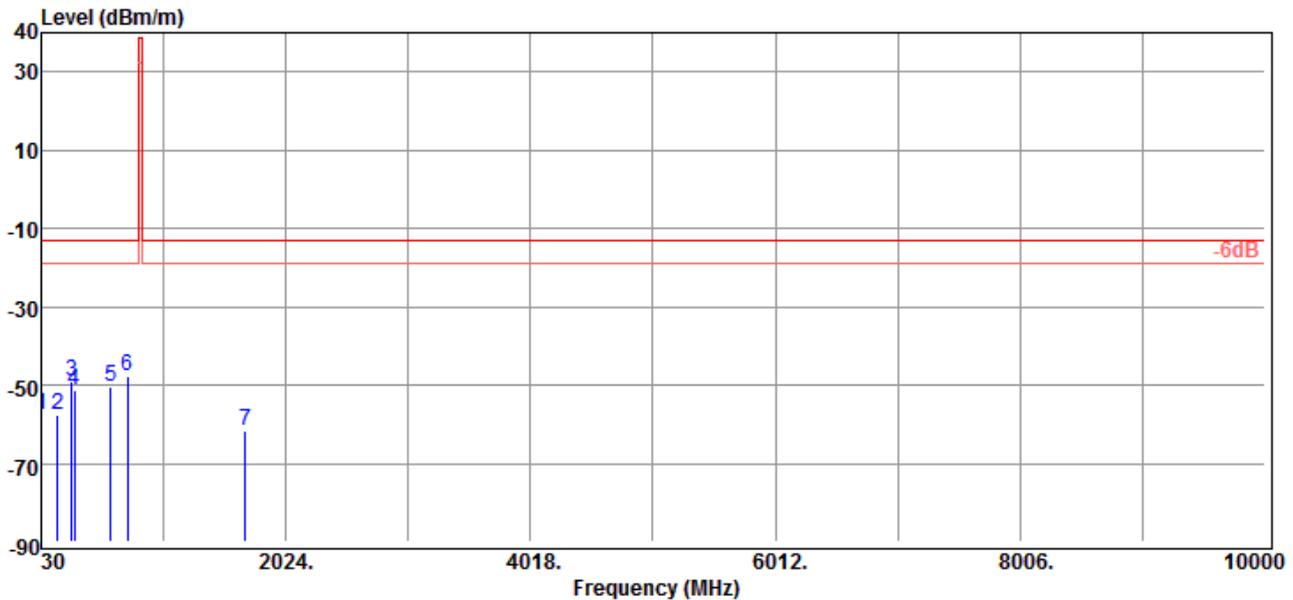
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Operation Mode	:WCDMA B5	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:846.6 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-57.51	-37.02	-20.05	-0.44	-13.00	-44.51
159.98	-57.41	-59.63	3.27	-1.05	-13.00	-44.41
282.20	-49.15	-53.21	5.62	-1.56	-13.00	-36.15
299.66	-51.22	-55.45	5.85	-1.62	-13.00	-38.22
595.51	-50.35	-54.84	6.63	-2.14	-13.00	-37.35
730.34	-47.91	-53.14	7.37	-2.14	-13.00	-34.91
1693.20	-61.53	-66.62	8.98	-3.89	-13.00	-48.53

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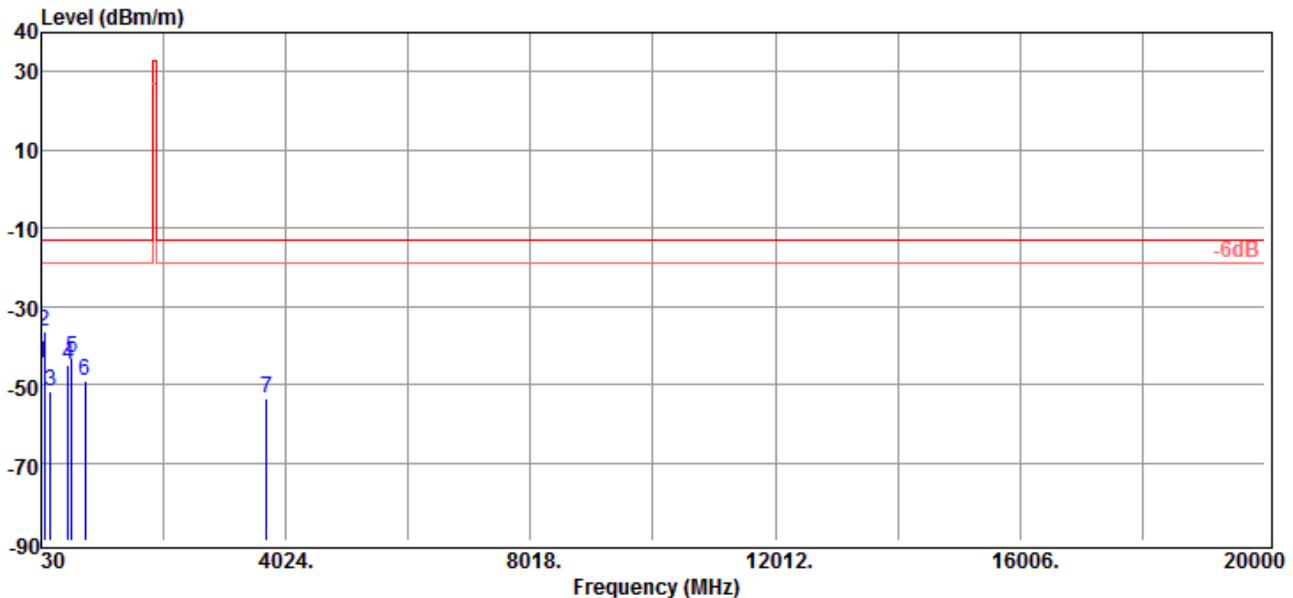
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### Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

Operation Mode	:LTE B2 5M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1852.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-44.59	-26.66	-17.44	-0.49	-13.00	-31.59
82.38	-36.29	-36.00	0.50	-0.79	-13.00	-23.29
184.23	-51.89	-55.62	4.89	-1.16	-13.00	-38.89
473.29	-44.97	-48.83	6.18	-2.32	-13.00	-31.97
526.64	-43.05	-46.82	6.25	-2.48	-13.00	-30.05
747.80	-48.85	-54.20	7.41	-2.06	-13.00	-35.85
3705.00	-53.78	-59.47	12.43	-6.74	-13.00	-40.78

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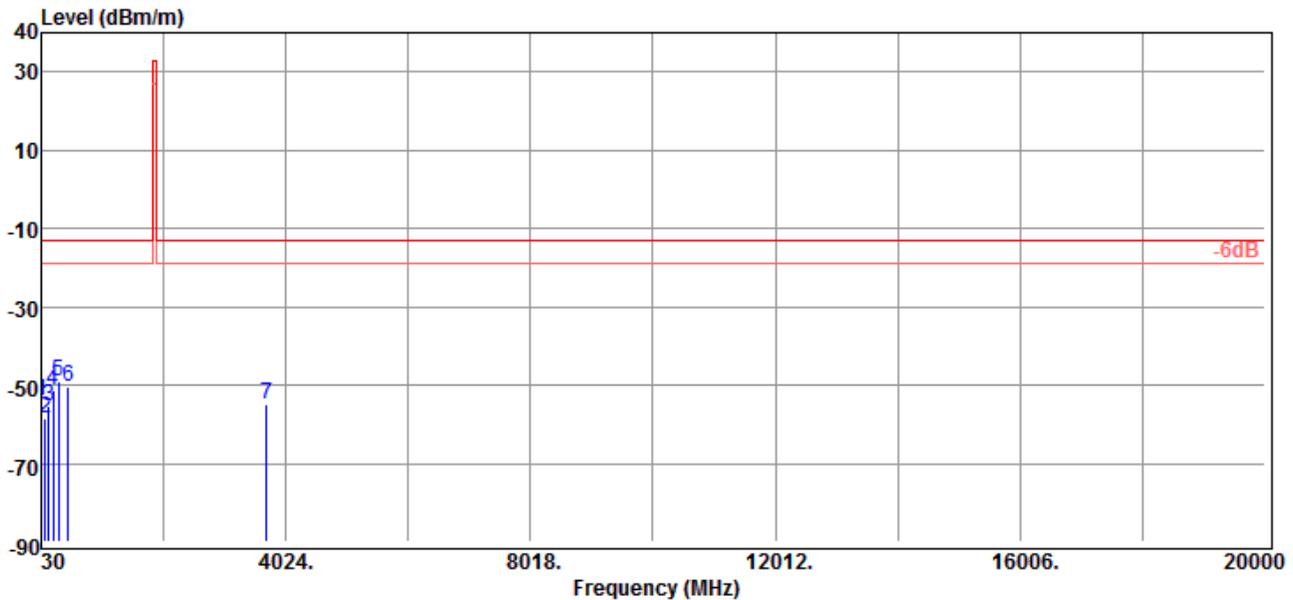
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Operation Mode	:LTE B2 5M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1852.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
34.85	-53.91	-37.56	-15.83	-0.52	-13.00	-40.91
92.08	-58.31	-57.29	-0.20	-0.82	-13.00	-45.31
149.31	-55.20	-56.69	2.49	-1.00	-13.00	-42.20
230.79	-51.16	-55.21	5.41	-1.36	-13.00	-38.16
307.42	-49.03	-53.20	5.84	-1.67	-13.00	-36.03
475.23	-50.59	-54.43	6.18	-2.34	-13.00	-37.59
3705.00	-54.93	-60.62	12.43	-6.74	-13.00	-41.93

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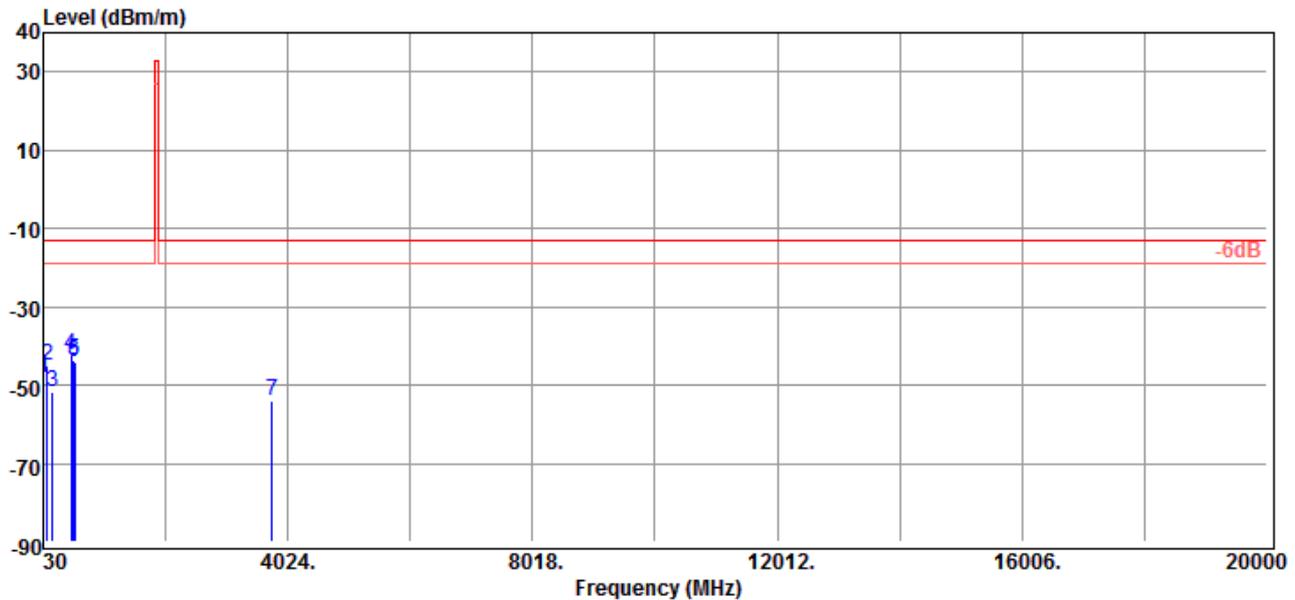
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Operation Mode	:LTE B2 5M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1880 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
35.82	-48.02	-32.43	-15.06	-0.53	-13.00	-35.02
94.02	-45.02	-43.82	-0.37	-0.83	-13.00	-32.02
183.26	-51.63	-55.30	4.83	-1.16	-13.00	-38.63
482.02	-42.38	-46.17	6.21	-2.42	-13.00	-29.38
524.70	-43.78	-47.54	6.25	-2.49	-13.00	-30.78
537.31	-44.23	-48.05	6.24	-2.42	-13.00	-31.23
3760.00	-54.05	-59.84	12.46	-6.67	-13.00	-41.05

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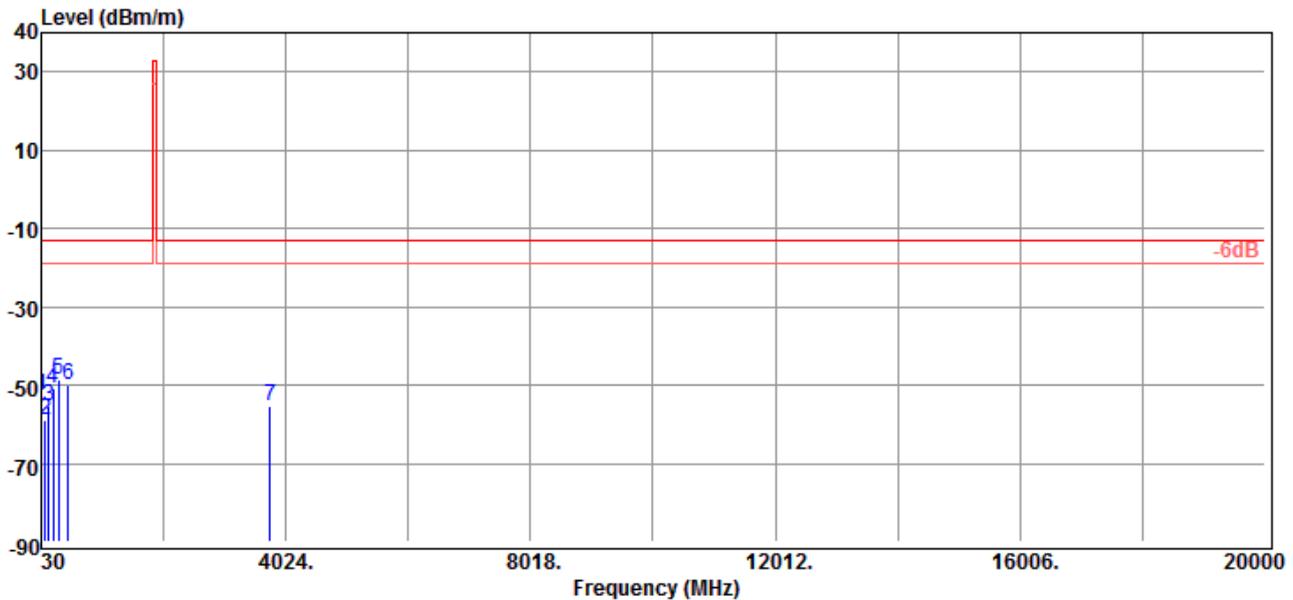
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Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1880 MHz	Engineer	:Enzo



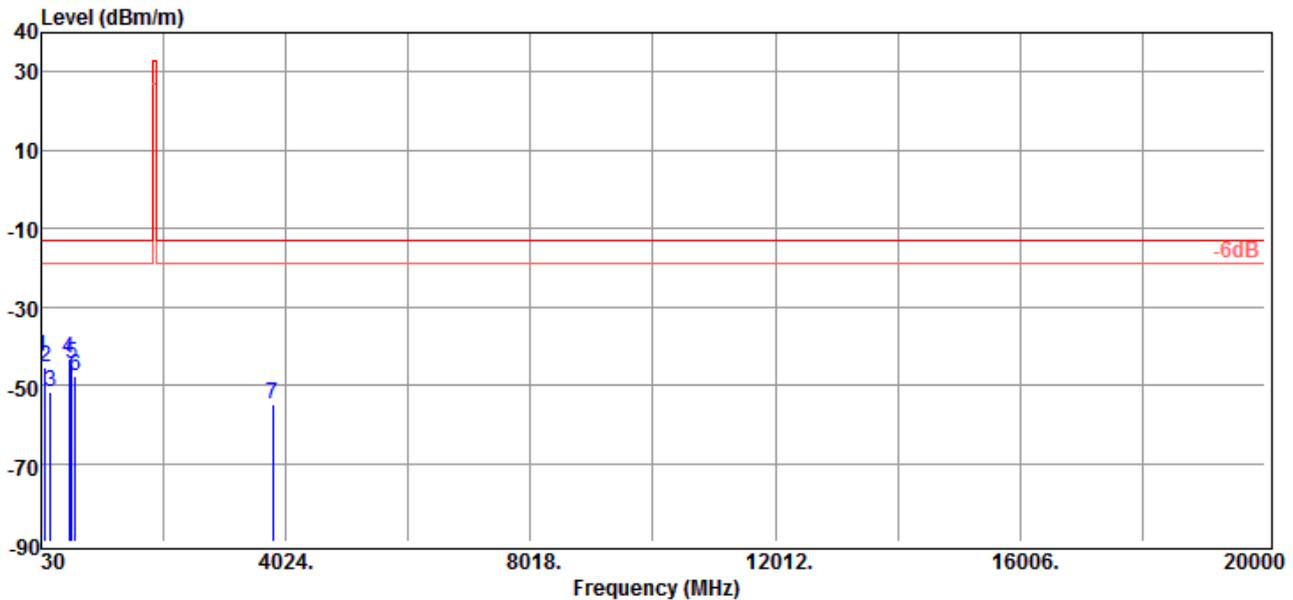
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-52.54	-34.61	-17.44	-0.49	-13.00	-39.54
94.02	-58.99	-57.79	-0.37	-0.83	-13.00	-45.99
177.37	-55.23	-56.62	2.38	-0.99	-13.00	-42.23
230.79	-50.79	-54.84	5.41	-1.36	-13.00	-37.79
308.39	-48.54	-52.70	5.84	-1.68	-13.00	-35.54
466.50	-50.06	-53.97	6.15	-2.24	-13.00	-37.06
3760.00	-55.16	-60.95	12.46	-6.67	-13.00	-42.16

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Operation Mode	:LTE B2 5M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1907.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.70	-42.94	-30.19	-12.16	-0.59	-13.00	-29.94
93.05	-45.31	-44.19	-0.29	-0.83	-13.00	-32.31
184.23	-51.61	-55.34	4.89	-1.16	-13.00	-38.61
482.99	-43.02	-46.81	6.22	-2.43	-13.00	-30.02
533.43	-44.36	-48.16	6.24	-2.44	-13.00	-31.36
582.90	-47.59	-51.91	6.52	-2.20	-13.00	-34.59
3815.00	-54.97	-60.87	12.49	-6.59	-13.00	-41.97

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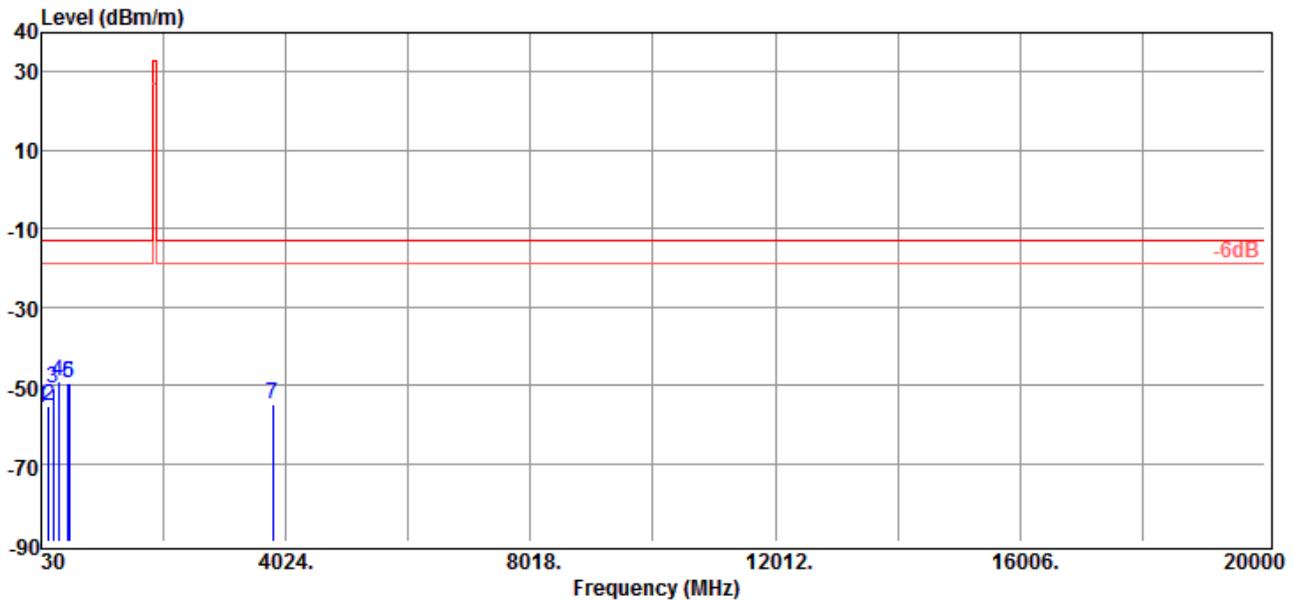
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Operation Mode	:LTE B2 5M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1907.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-55.83	-37.90	-17.44	-0.49	-13.00	-42.83
148.34	-55.49	-56.93	2.44	-1.00	-13.00	-42.49
230.79	-50.90	-54.95	5.41	-1.36	-13.00	-37.90
305.48	-48.89	-53.07	5.84	-1.66	-13.00	-35.89
466.50	-49.37	-53.28	6.15	-2.24	-13.00	-36.37
483.96	-49.69	-53.47	6.22	-2.44	-13.00	-36.69
3815.00	-54.92	-60.82	12.49	-6.59	-13.00	-41.92

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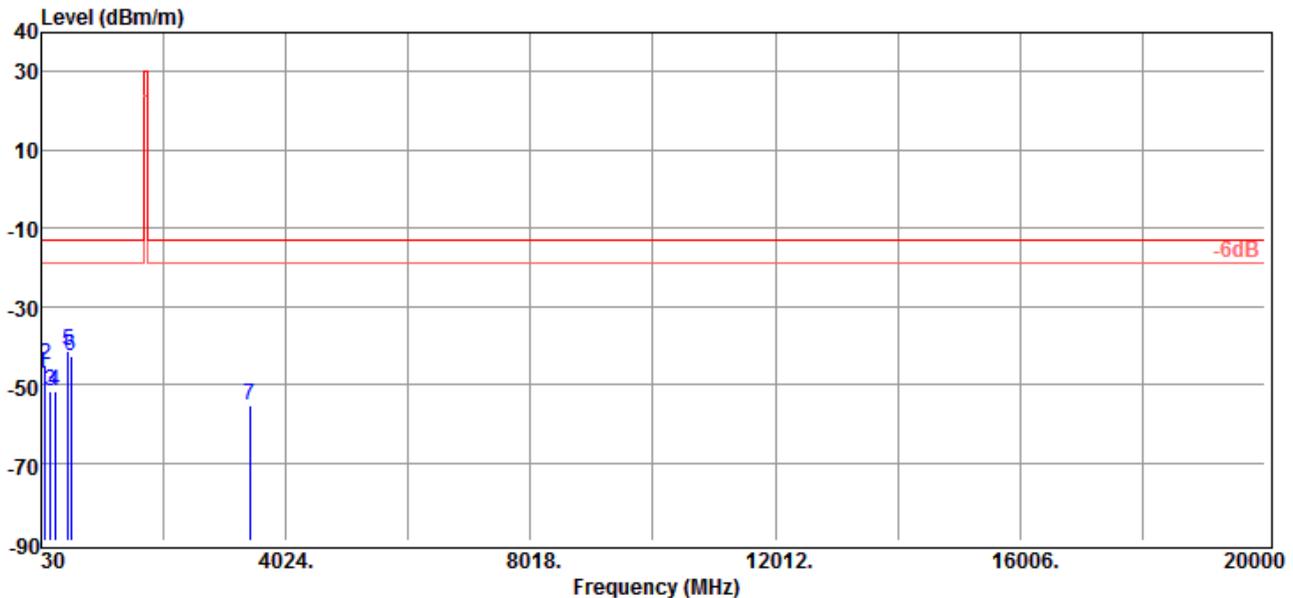
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### Radiated Spurious Emission Measurement Result: LTE-Band 4 (The Worst Case)

Operation Mode	:LTE B4 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1715 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-47.20	-30.85	-15.83	-0.52	-13.00	-34.20
93.05	-45.17	-44.05	-0.29	-0.83	-13.00	-32.17
185.20	-51.93	-55.71	4.95	-1.17	-13.00	-38.93
256.01	-51.90	-55.70	5.26	-1.46	-13.00	-38.90
472.32	-41.27	-45.13	6.17	-2.31	-13.00	-28.27
513.06	-42.60	-46.32	6.27	-2.55	-13.00	-29.60
3430.00	-55.21	-60.71	12.17	-6.67	-13.00	-42.21

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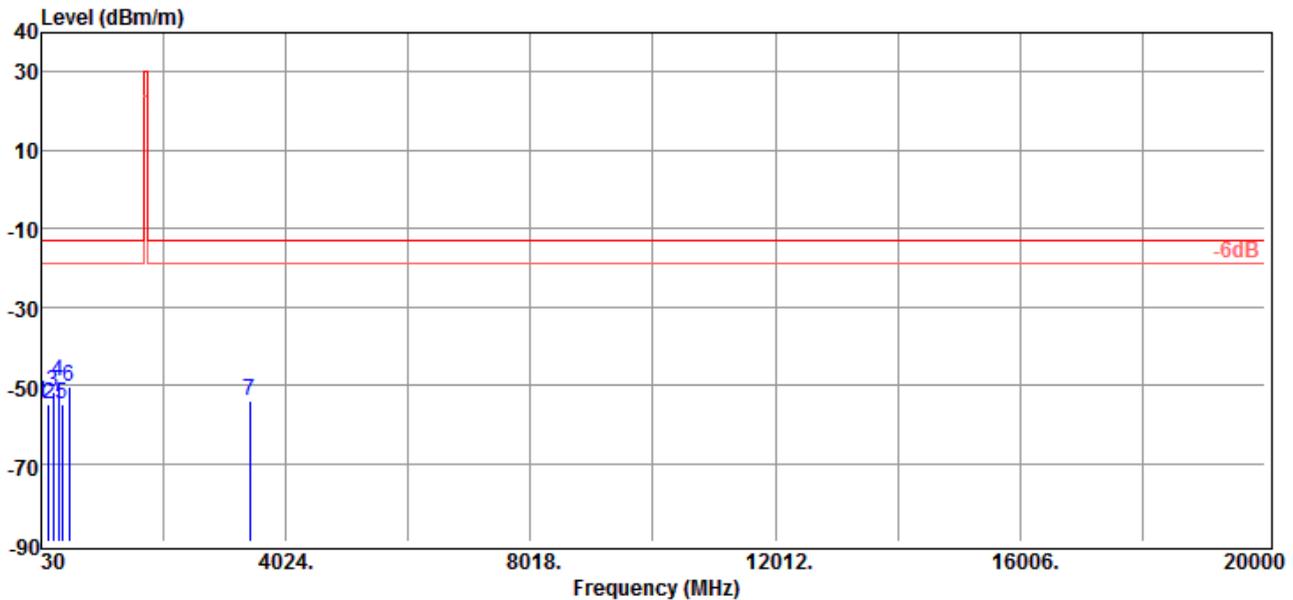
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Operation Mode	:LTE B4 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1715 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-54.33	-36.40	-17.44	-0.49	-13.00	-41.33
149.31	-54.83	-56.32	2.49	-1.00	-13.00	-41.83
230.79	-51.77	-55.82	5.41	-1.36	-13.00	-38.77
312.27	-48.99	-53.12	5.83	-1.70	-13.00	-35.99
368.53	-55.04	-58.76	5.70	-1.98	-13.00	-42.04
482.99	-50.46	-54.25	6.22	-2.43	-13.00	-37.46
3430.00	-53.84	-59.34	12.17	-6.67	-13.00	-40.84

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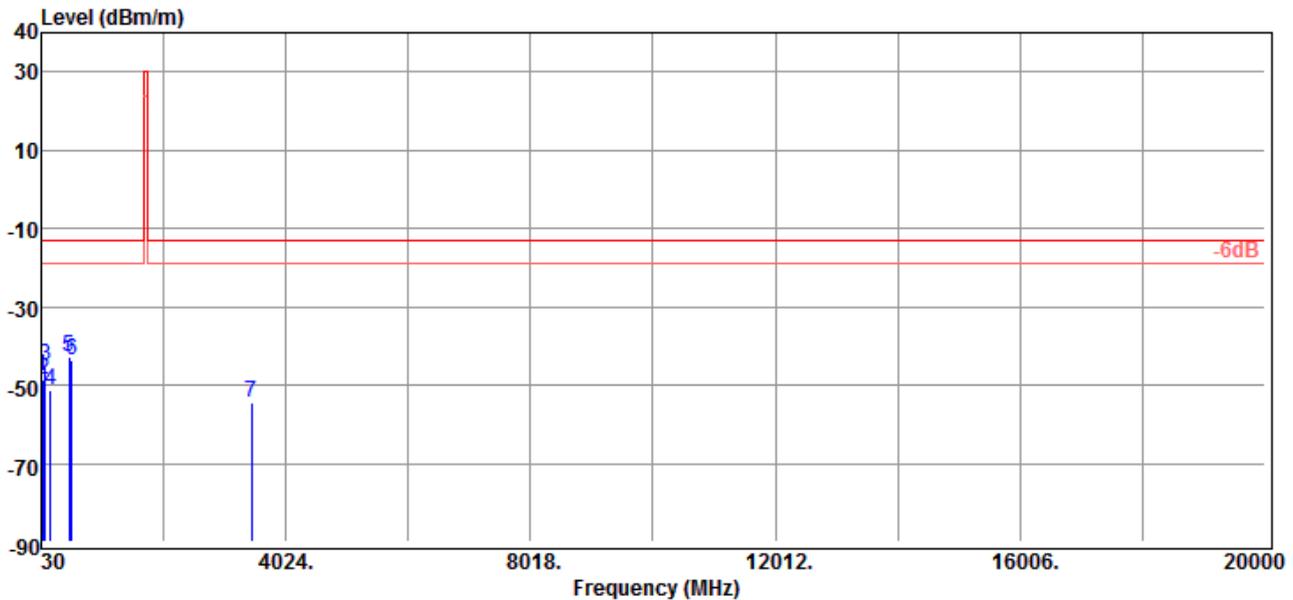
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Operation Mode	:LTE B4 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1732.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.88	-47.84	-30.71	-16.63	-0.50	-13.00	-34.84
70.74	-48.54	-48.33	0.52	-0.73	-13.00	-35.54
94.99	-44.84	-43.54	-0.46	-0.84	-13.00	-31.84
184.23	-51.33	-55.06	4.89	-1.16	-13.00	-38.33
482.02	-42.86	-46.65	6.21	-2.42	-13.00	-29.86
526.64	-43.59	-47.36	6.25	-2.48	-13.00	-30.59
3465.00	-54.45	-59.84	12.23	-6.84	-13.00	-41.45

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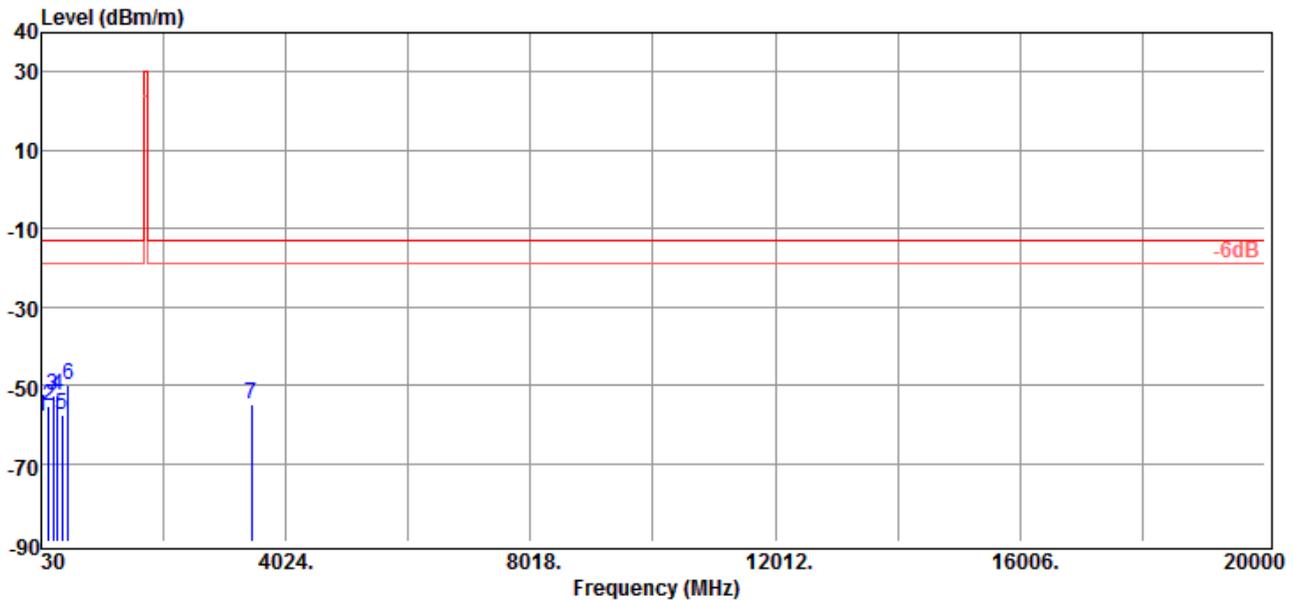
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Operation Mode	:LTE B4 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1732.5 MHz	Engineer	:Enzo



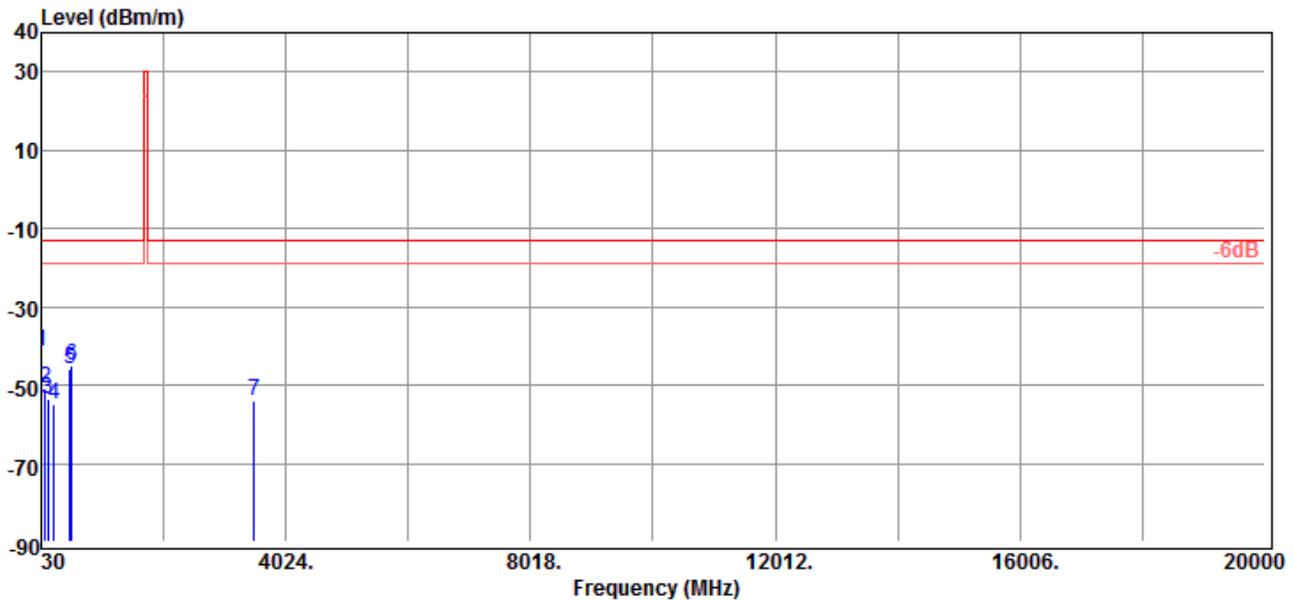
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-58.18	-39.42	-18.29	-0.47	-13.00	-45.18
148.34	-55.18	-56.62	2.44	-1.00	-13.00	-42.18
231.76	-52.70	-56.72	5.39	-1.37	-13.00	-39.70
304.51	-52.66	-56.85	5.84	-1.65	-13.00	-39.66
375.32	-57.50	-61.16	5.66	-2.00	-13.00	-44.50
465.53	-49.91	-53.82	6.14	-2.23	-13.00	-36.91
3465.00	-54.89	-60.28	12.23	-6.84	-13.00	-41.89

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Operation Mode	:LTE B4 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1750 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
36.79	-41.54	-26.68	-14.31	-0.55	-13.00	-28.54
94.02	-51.01	-49.81	-0.37	-0.83	-13.00	-38.01
139.61	-53.58	-54.53	1.92	-0.97	-13.00	-40.58
233.70	-55.07	-59.07	5.37	-1.37	-13.00	-42.07
492.69	-45.73	-49.45	6.26	-2.54	-13.00	-32.73
522.76	-45.03	-48.79	6.26	-2.50	-13.00	-32.03
3500.00	-53.84	-59.13	12.30	-7.01	-13.00	-40.84

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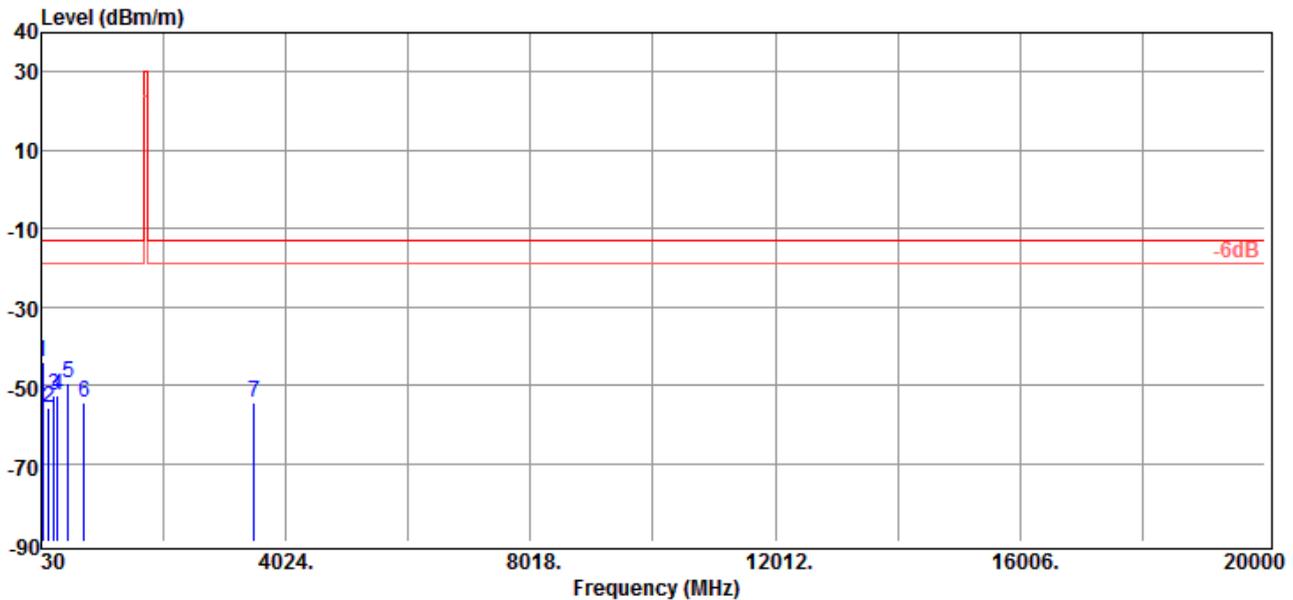
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Operation Mode	:LTE B4 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1750 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
46.49	-44.26	-36.55	-7.07	-0.64	-13.00	-31.26
148.34	-55.63	-57.07	2.44	-1.00	-13.00	-42.63
232.73	-52.48	-56.49	5.38	-1.37	-13.00	-39.48
301.60	-52.73	-56.95	5.85	-1.63	-13.00	-39.73
472.32	-49.36	-53.22	6.17	-2.31	-13.00	-36.36
731.31	-54.63	-59.86	7.37	-2.14	-13.00	-41.63
3500.00	-54.26	-59.55	12.30	-7.01	-13.00	-41.26

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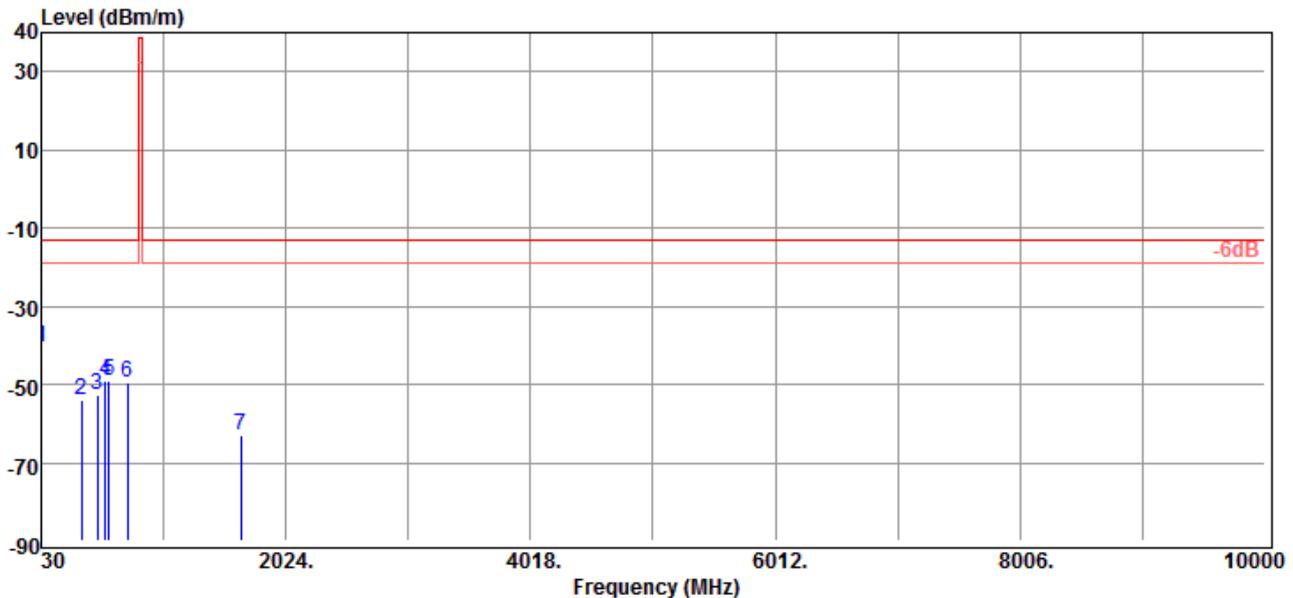
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### Radiated Spurious Emission Measurement Result: LTE-Band 5 (The Worst Case)

Operation Mode	:LTE B5 10M QPSK RB1,0	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:829 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-40.55	-24.20	-15.83	-0.52	-13.00	-27.55
360.77	-54.17	-57.94	5.74	-1.97	-13.00	-41.17
484.93	-52.67	-56.45	6.23	-2.45	-13.00	-39.67
555.74	-49.24	-53.19	6.27	-2.32	-13.00	-36.24
579.02	-48.90	-53.17	6.49	-2.22	-13.00	-35.90
731.31	-49.68	-54.91	7.37	-2.14	-13.00	-36.68
1658.00	-62.89	-67.88	8.83	-3.84	-13.00	-49.89

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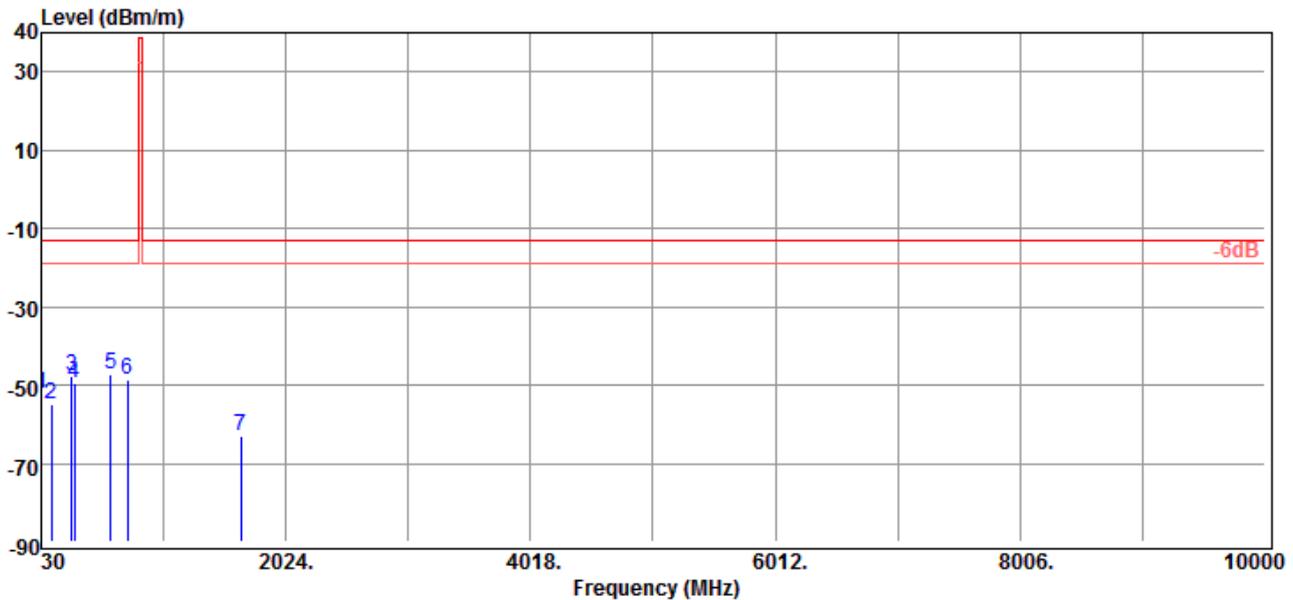
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Operation Mode	:LTE B5 10M QPSK RB1,0	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:829 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-52.21	-31.72	-20.05	-0.44	-13.00	-39.21
110.51	-54.99	-54.05	-0.05	-0.89	-13.00	-41.99
281.23	-47.92	-51.98	5.61	-1.55	-13.00	-34.92
298.69	-49.73	-53.94	5.83	-1.62	-13.00	-36.73
598.42	-47.07	-51.60	6.66	-2.13	-13.00	-34.07
731.31	-48.47	-53.70	7.37	-2.14	-13.00	-35.47
1658.00	-62.85	-67.84	8.83	-3.84	-13.00	-49.85

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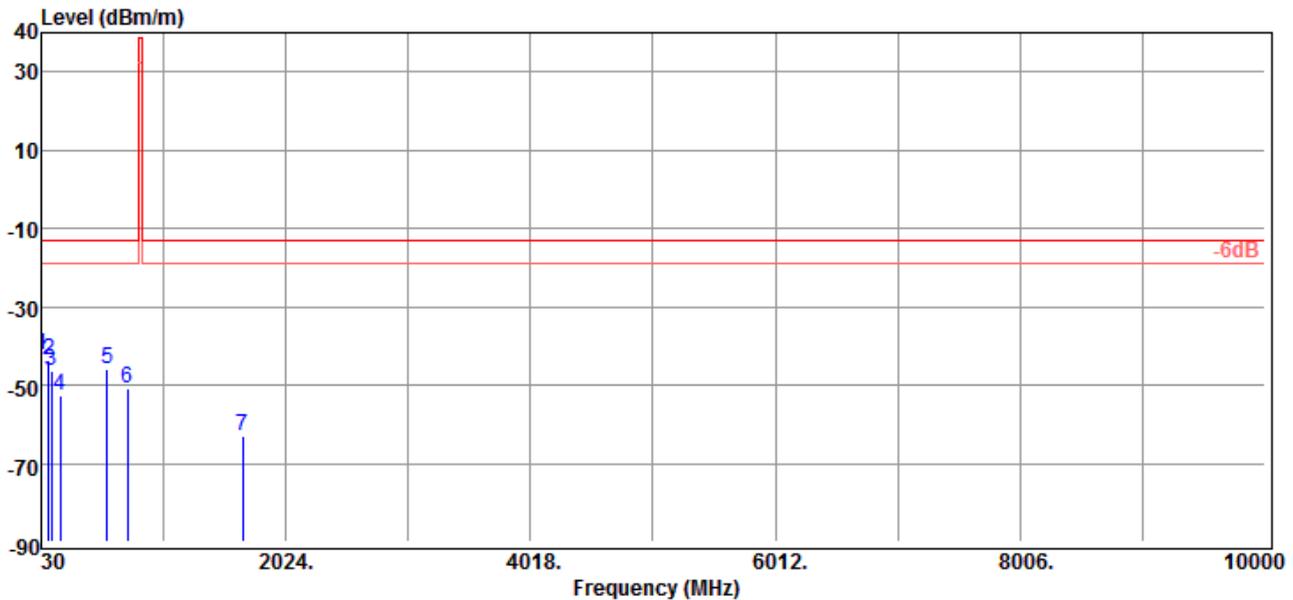
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Operation Mode	:LTE B5 10M QPSK RB1,0	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:836.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-42.13	-24.20	-17.44	-0.49	-13.00	-29.13
91.11	-43.81	-42.88	-0.11	-0.82	-13.00	-30.81
110.51	-46.58	-45.64	-0.05	-0.89	-13.00	-33.58
185.20	-52.68	-56.46	4.95	-1.17	-13.00	-39.68
564.47	-45.86	-49.93	6.35	-2.28	-13.00	-32.86
730.34	-50.84	-56.07	7.37	-2.14	-13.00	-37.84
1673.00	-62.83	-67.87	8.90	-3.86	-13.00	-49.83

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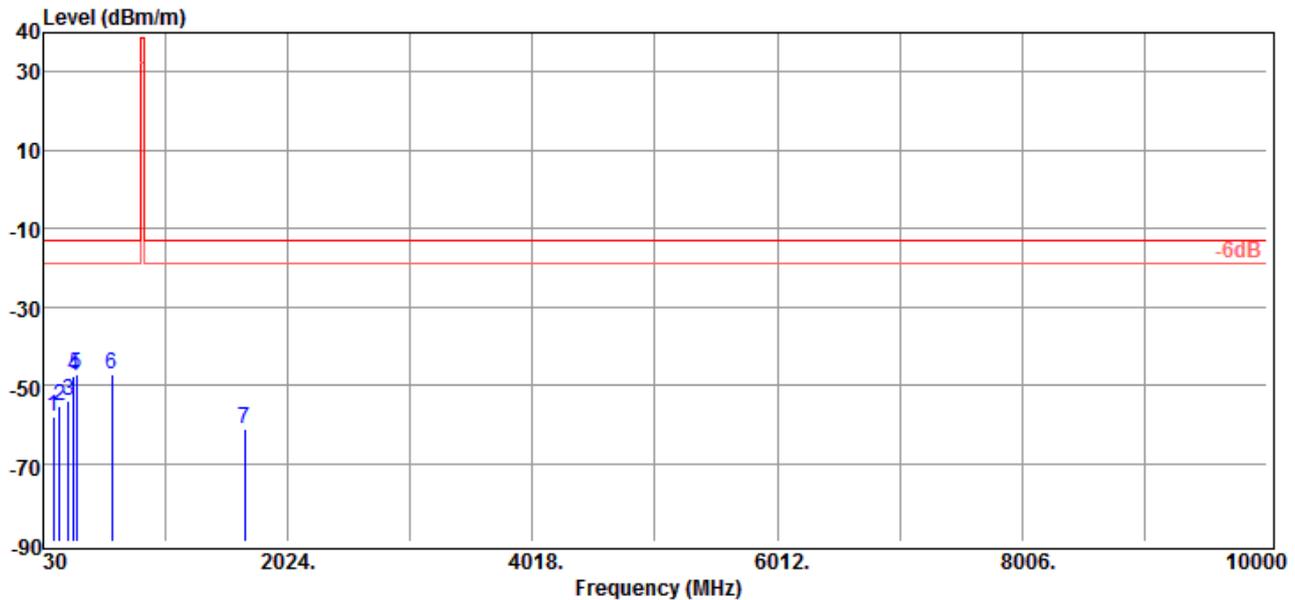
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Operation Mode	:LTE B5 10M QPSK RB1,0	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:836.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-58.23	-57.29	-0.05	-0.89	-13.00	-45.23
159.98	-55.35	-57.57	3.27	-1.05	-13.00	-42.35
232.73	-54.14	-58.15	5.38	-1.37	-13.00	-41.14
281.23	-47.75	-51.81	5.61	-1.55	-13.00	-34.75
299.66	-47.32	-51.55	5.85	-1.62	-13.00	-34.32
587.75	-47.49	-51.87	6.56	-2.18	-13.00	-34.49
1673.00	-61.24	-66.28	8.90	-3.86	-13.00	-48.24

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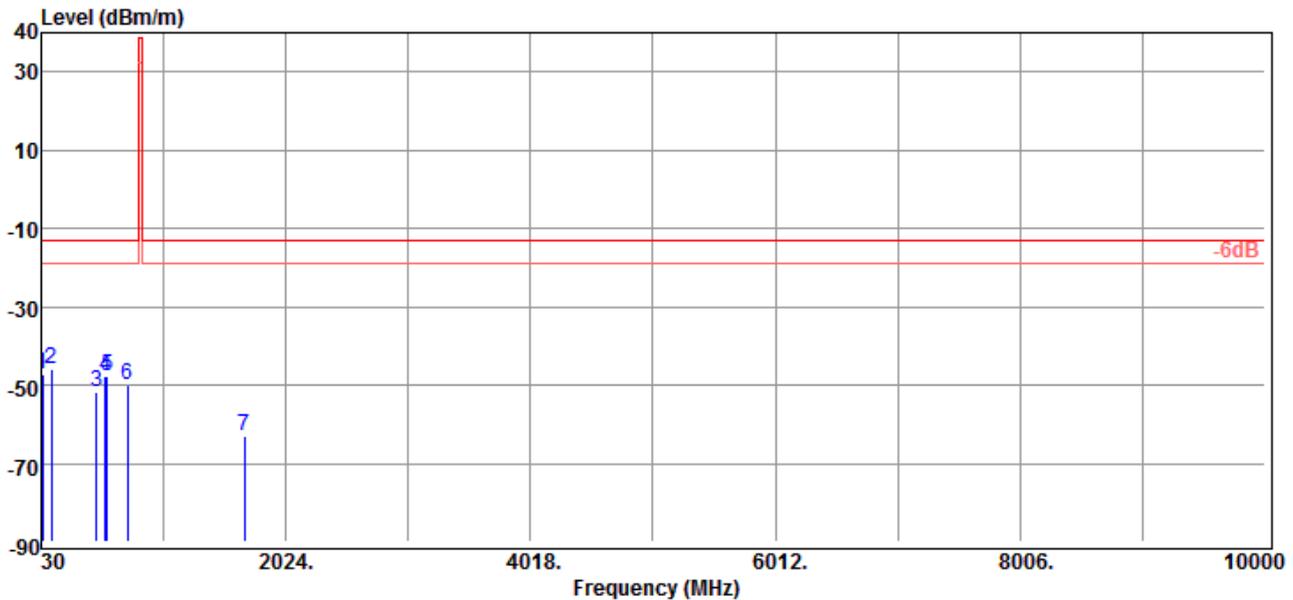
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Operation Mode	:LTE B5 10M QPSK RB1,0	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:844 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
38.73	-47.07	-33.63	-12.86	-0.58	-13.00	-34.07
110.51	-46.06	-45.12	-0.05	-0.89	-13.00	-33.06
482.99	-51.87	-55.66	6.22	-2.43	-13.00	-38.87
555.74	-47.82	-51.77	6.27	-2.32	-13.00	-34.82
570.29	-47.55	-51.70	6.41	-2.26	-13.00	-34.55
734.22	-50.12	-55.37	7.38	-2.13	-13.00	-37.12
1688.00	-62.84	-67.92	8.96	-3.88	-13.00	-49.84

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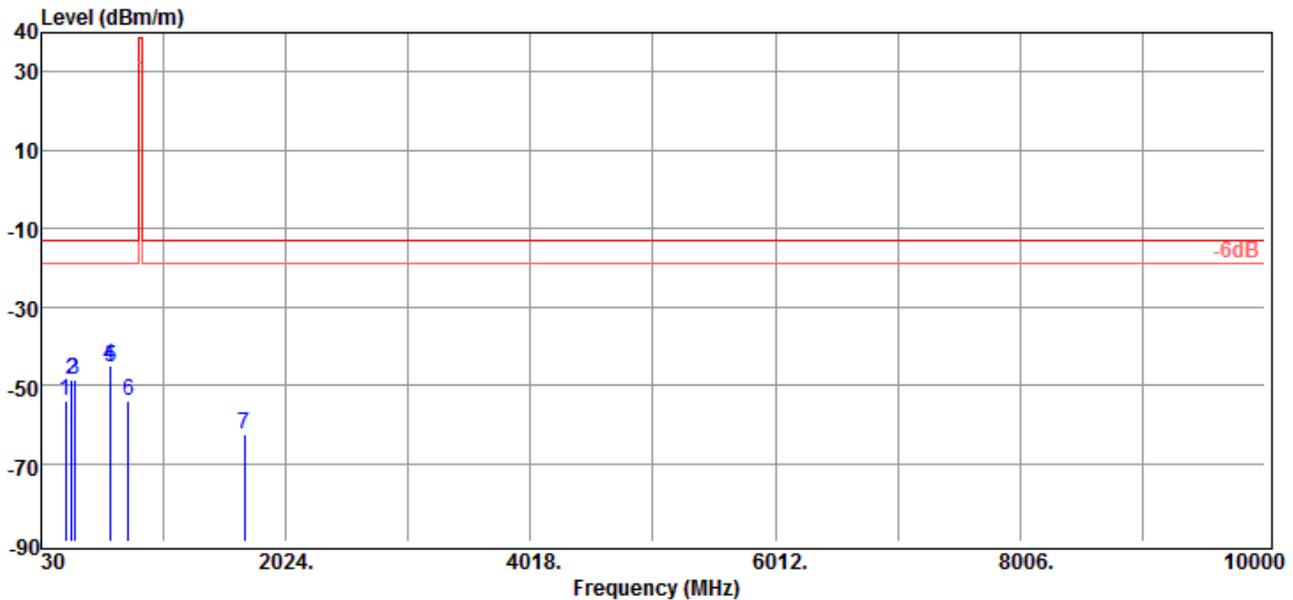
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Operation Mode	:LTE B5 10M QPSK RB1,0	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:844 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
226.91	-54.22	-58.33	5.46	-1.35	-13.00	-41.22
282.20	-48.41	-52.47	5.62	-1.56	-13.00	-35.41
302.57	-48.81	-53.02	5.85	-1.64	-13.00	-35.81
585.81	-45.19	-49.55	6.55	-2.19	-13.00	-32.19
595.51	-45.67	-50.16	6.63	-2.14	-13.00	-32.67
740.04	-53.82	-59.11	7.39	-2.10	-13.00	-40.82
1688.00	-62.61	-67.69	8.96	-3.88	-13.00	-49.61

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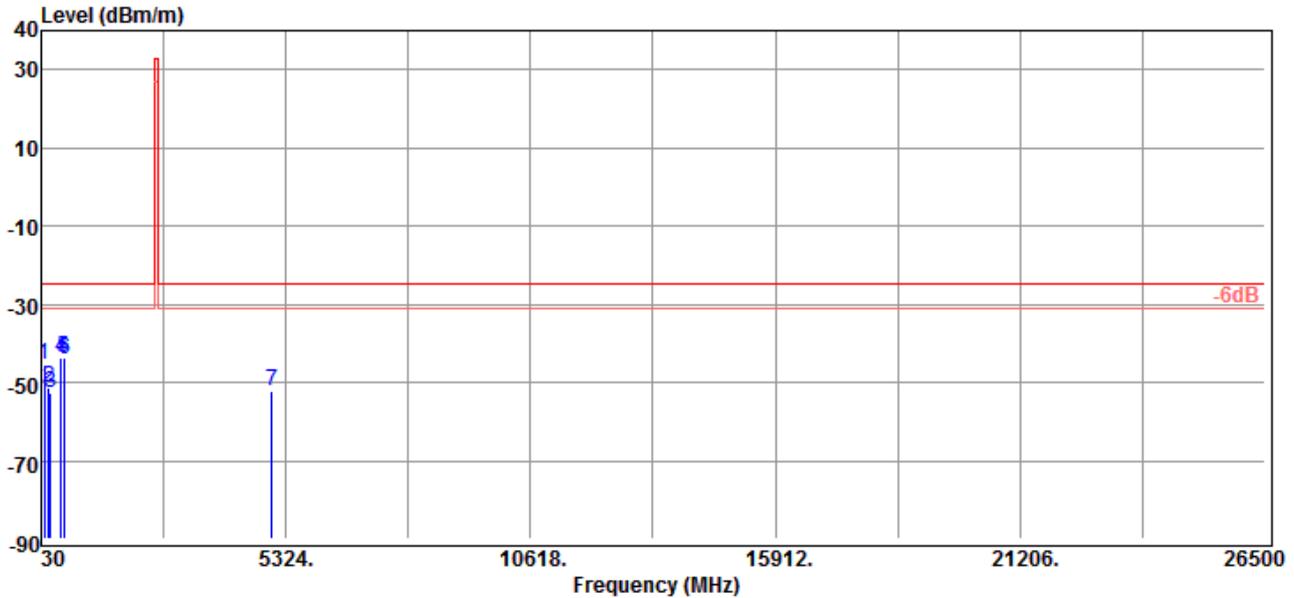
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**Radiated Spurious Emission Measurement Result: LTE-Band 7 (The Worst Case)**

Operation Mode	:LTE B7 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2505 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
92.08	-45.45	-44.43	-0.20	-0.82	-25.00	-20.45
185.20	-51.53	-55.31	4.95	-1.17	-25.00	-26.53
230.79	-52.59	-56.64	5.41	-1.36	-25.00	-27.59
467.47	-43.57	-47.46	6.15	-2.26	-25.00	-18.57
509.18	-43.69	-47.40	6.28	-2.57	-25.00	-18.69
529.55	-44.01	-47.80	6.25	-2.46	-25.00	-19.01
5010.00	-51.99	-57.68	12.51	-6.82	-25.00	-26.99

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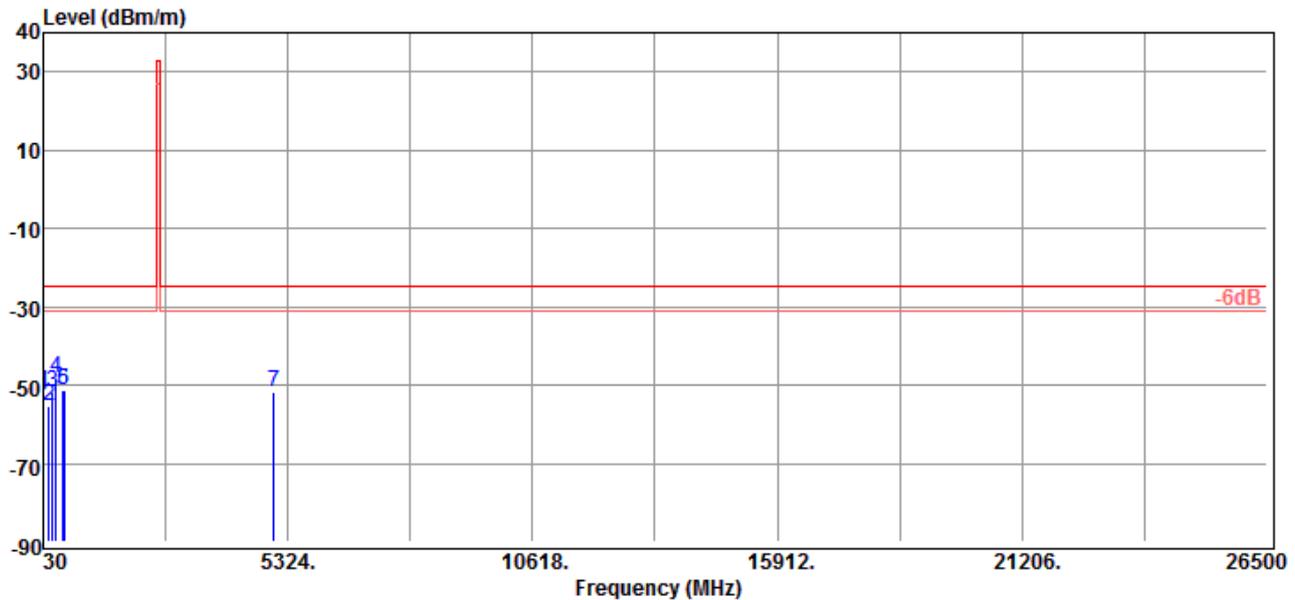
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Operation Mode	:LTE B7 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2505 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
38.73	-51.65	-38.21	-12.86	-0.58	-25.00	-26.65
149.31	-55.23	-56.72	2.49	-1.00	-25.00	-30.23
230.79	-51.77	-55.82	5.41	-1.36	-25.00	-26.77
304.51	-48.39	-52.58	5.84	-1.65	-25.00	-23.39
467.47	-51.21	-55.10	6.15	-2.26	-25.00	-26.21
482.99	-51.39	-55.18	6.22	-2.43	-25.00	-26.39
5010.00	-51.79	-57.48	12.51	-6.82	-25.00	-26.79

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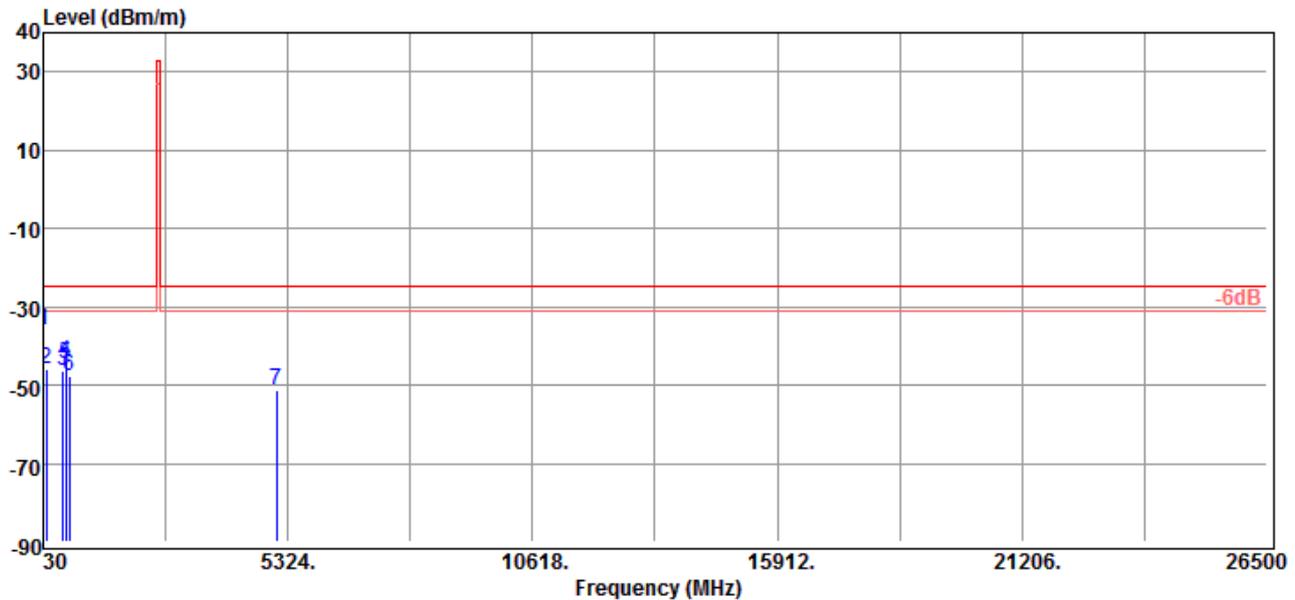
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Operation Mode	:LTE B7 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2535 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.88	-36.09	-18.96	-16.63	-0.50	-25.00	-11.09
94.02	-46.10	-44.90	-0.37	-0.83	-25.00	-21.10
465.53	-46.23	-50.14	6.14	-2.23	-25.00	-21.23
510.15	-44.07	-47.78	6.28	-2.57	-25.00	-19.07
525.67	-44.76	-48.53	6.25	-2.48	-25.00	-19.76
591.63	-47.92	-52.36	6.60	-2.16	-25.00	-22.92
5070.00	-51.45	-57.26	12.57	-6.76	-25.00	-26.45

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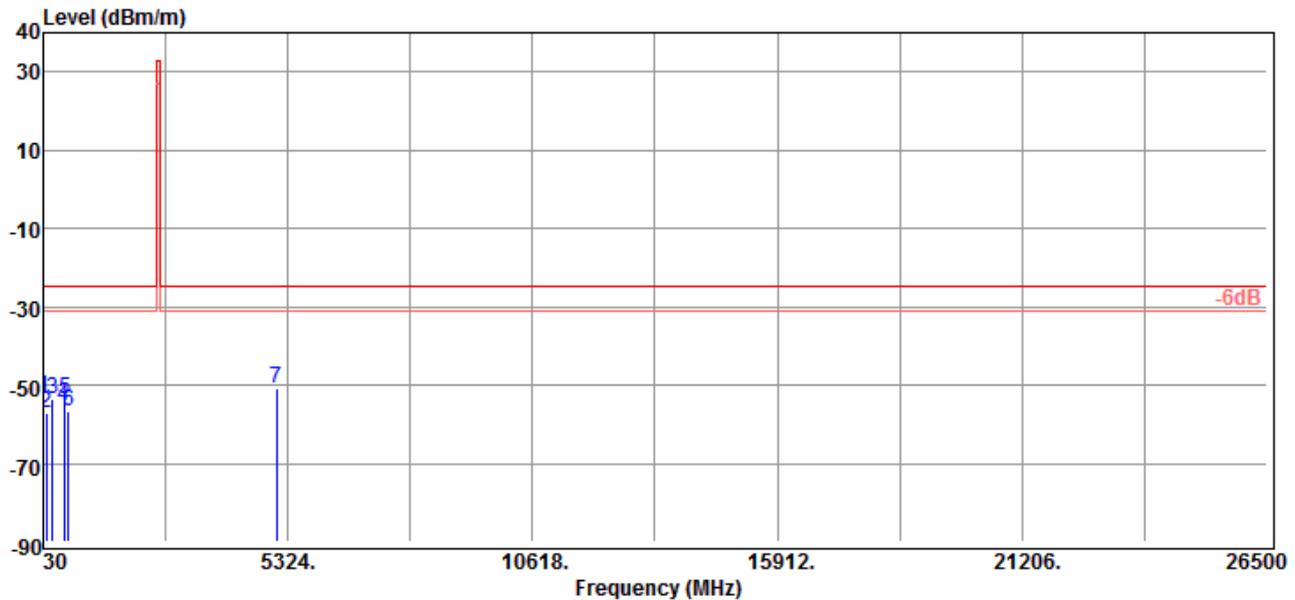
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Operation Mode	:LTE B7 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2535 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-53.13	-35.20	-17.44	-0.49	-25.00	-28.13
94.02	-57.18	-55.98	-0.37	-0.83	-25.00	-32.18
234.67	-53.45	-57.43	5.36	-1.38	-25.00	-28.45
480.08	-55.33	-59.14	6.21	-2.40	-25.00	-30.33
490.75	-53.69	-57.42	6.25	-2.52	-25.00	-28.69
572.23	-56.78	-60.95	6.42	-2.25	-25.00	-31.78
5070.00	-50.67	-56.48	12.57	-6.76	-25.00	-25.67

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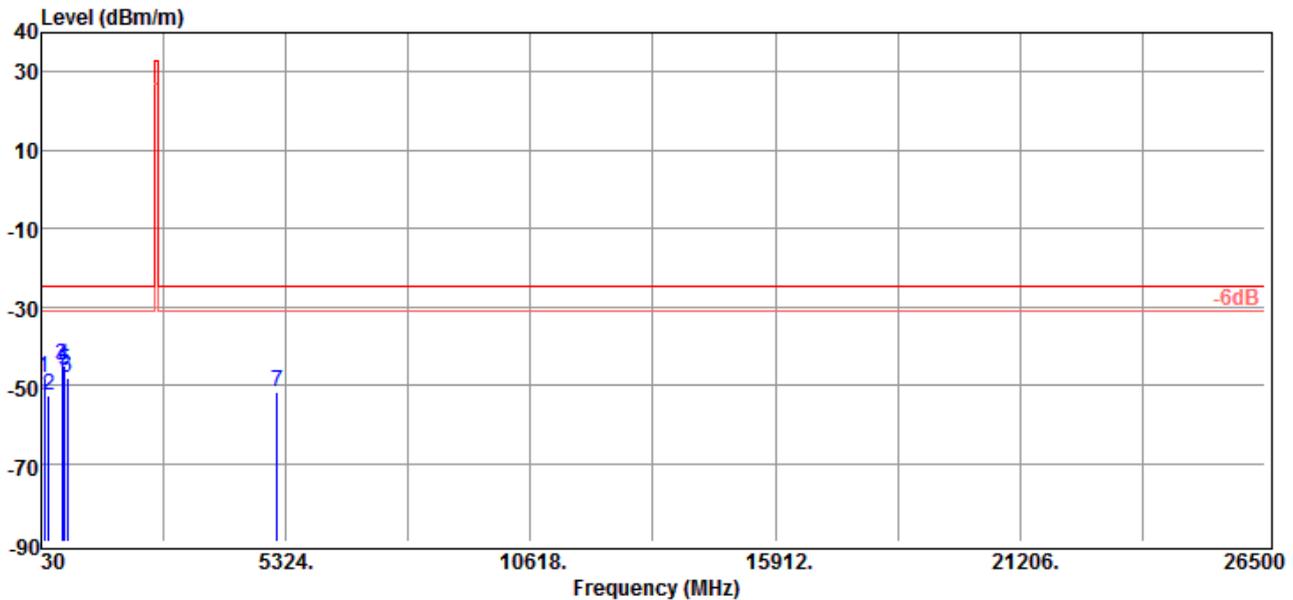
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Operation Mode	:LTE B7 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2565 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
94.99	-48.37	-47.07	-0.46	-0.84	-25.00	-23.37
183.26	-52.54	-56.21	4.83	-1.16	-25.00	-27.54
485.90	-44.95	-48.72	6.23	-2.46	-25.00	-19.95
509.18	-44.83	-48.54	6.28	-2.57	-25.00	-19.83
530.52	-46.47	-50.26	6.25	-2.46	-25.00	-21.47
602.30	-48.25	-52.79	6.68	-2.14	-25.00	-23.25
5130.00	-51.69	-57.62	12.63	-6.70	-25.00	-26.69

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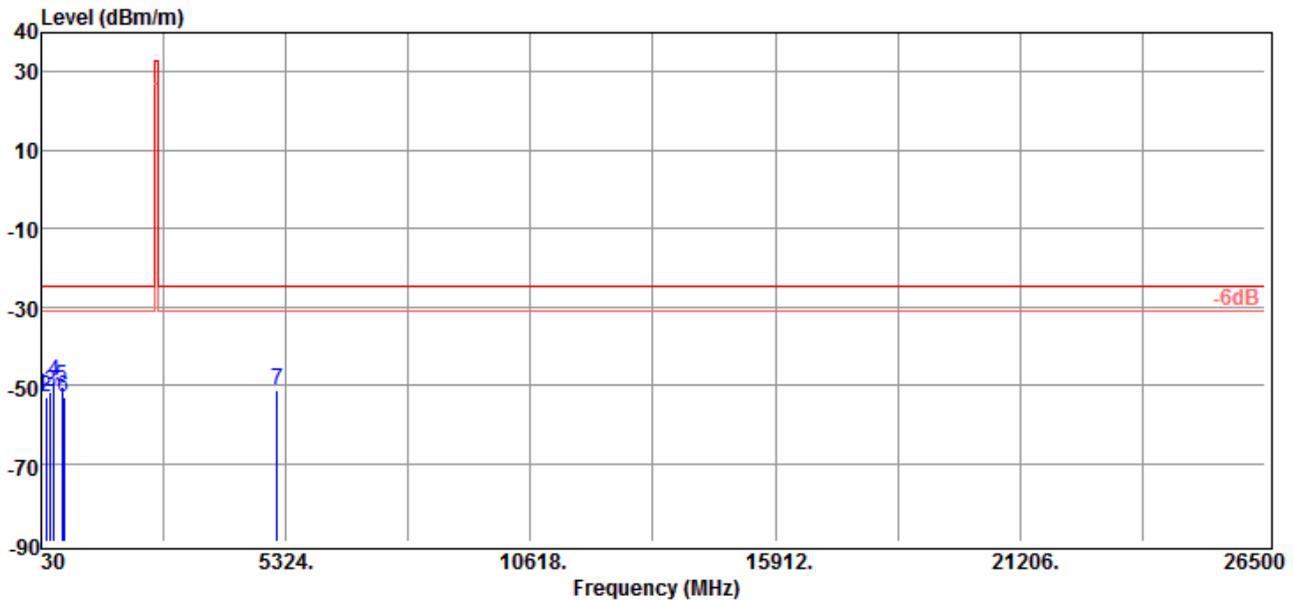
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Operation Mode	:LTE B7 10M QPSK RB1,0	Test Date	:2018-11-29
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2565 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-52.55	-34.62	-17.44	-0.49	-25.00	-27.55
143.49	-53.29	-54.47	2.16	-0.98	-25.00	-28.29
229.82	-51.78	-55.84	5.42	-1.36	-25.00	-26.78
302.57	-49.16	-53.37	5.85	-1.64	-25.00	-24.16
480.08	-50.48	-54.29	6.21	-2.40	-25.00	-25.48
518.88	-53.29	-57.03	6.26	-2.52	-25.00	-28.29
5130.00	-51.39	-57.32	12.63	-6.70	-25.00	-26.39

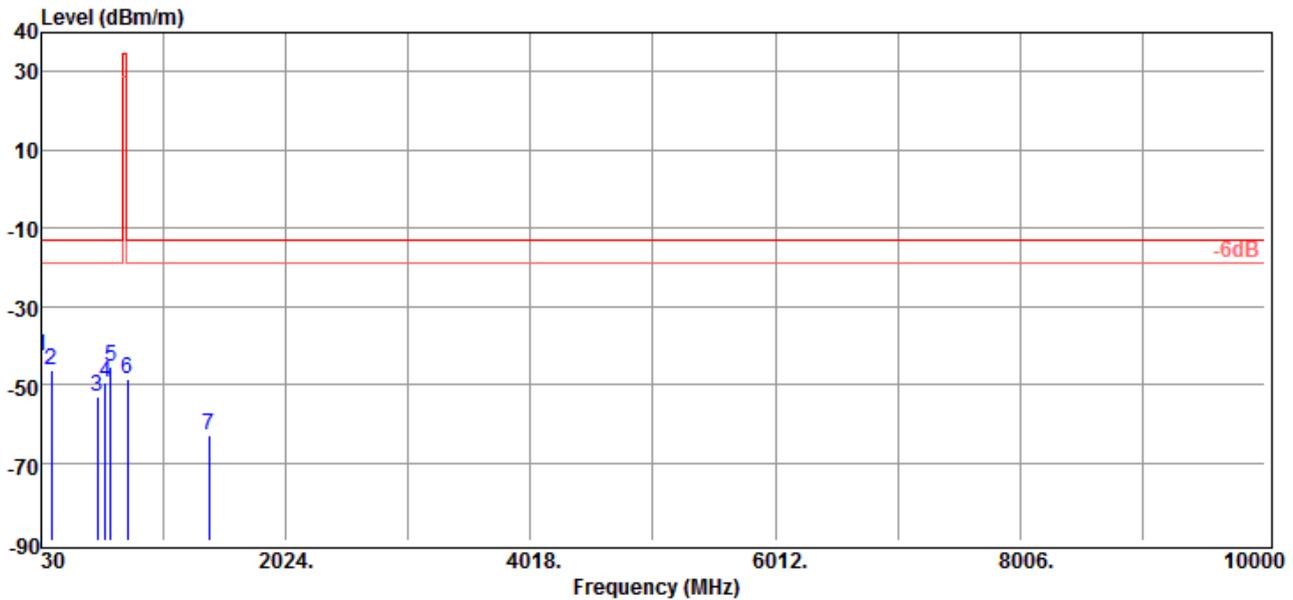
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### Radiated Spurious Emission Measurement Result: LTE-Band 12 (The Worst Case)

Operation Mode	:LTE B12 1.4M QPSK RB1,5	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:699.7 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-42.89	-25.76	-16.63	-0.50	-13.00	-29.89
110.51	-46.18	-45.24	-0.05	-0.89	-13.00	-33.18
490.75	-53.10	-56.83	6.25	-2.52	-13.00	-40.10
551.86	-49.65	-53.55	6.24	-2.34	-13.00	-36.65
597.45	-45.50	-50.02	6.65	-2.13	-13.00	-32.50
730.34	-48.53	-53.76	7.37	-2.14	-13.00	-35.53
1399.40	-63.23	-67.45	7.69	-3.47	-13.00	-50.23

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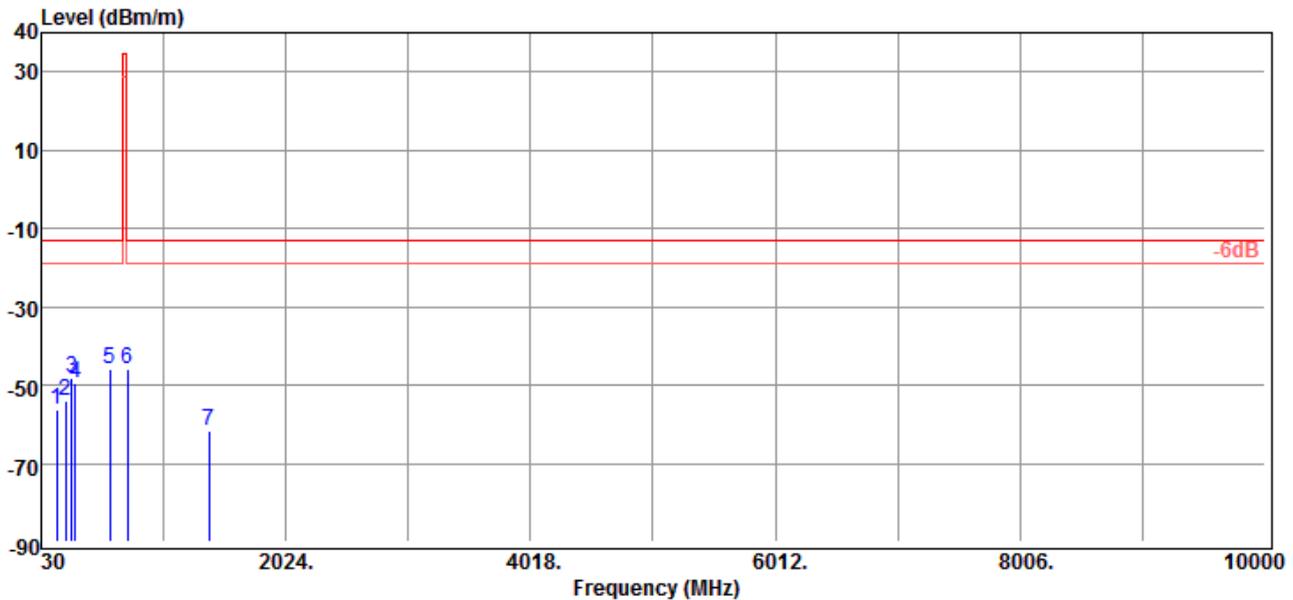
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Operation Mode	:LTE B12 1.4M QPSK RB1,5	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:699.7 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
159.01	-56.07	-58.23	3.20	-1.04	-13.00	-43.07
229.82	-54.16	-58.22	5.42	-1.36	-13.00	-41.16
282.20	-48.38	-52.44	5.62	-1.56	-13.00	-35.38
304.51	-49.36	-53.55	5.84	-1.65	-13.00	-36.36
590.66	-46.09	-50.52	6.59	-2.16	-13.00	-33.09
730.34	-45.97	-51.20	7.37	-2.14	-13.00	-32.97
1399.40	-61.73	-65.95	7.69	-3.47	-13.00	-48.73

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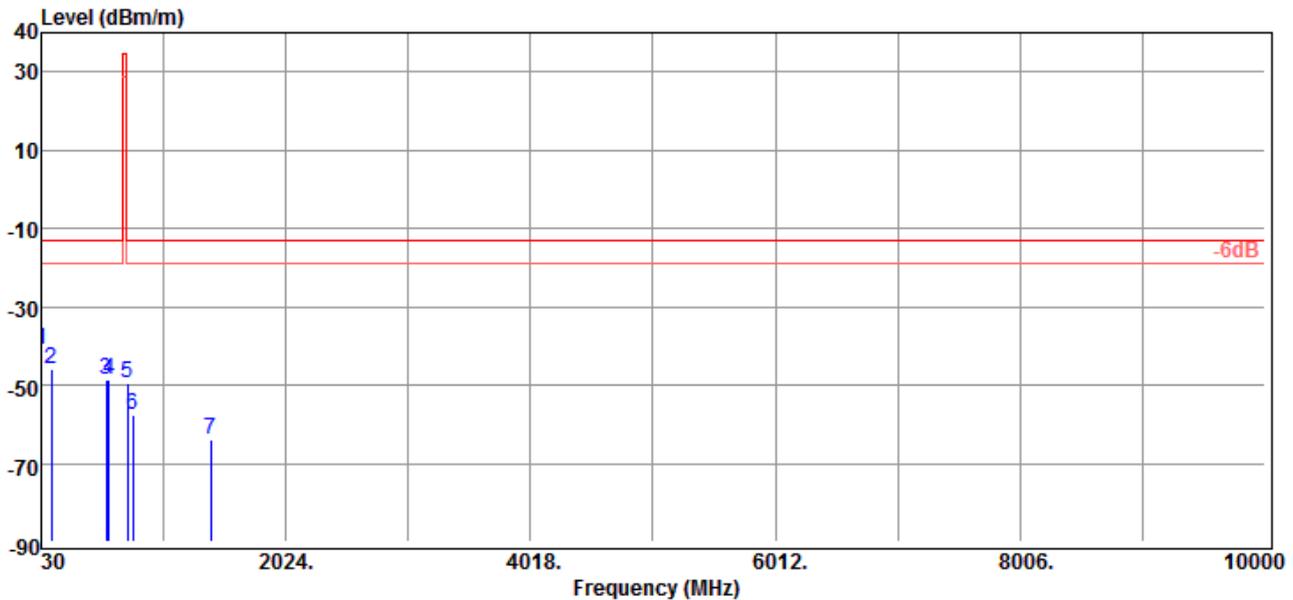
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Operation Mode	:LTE B12 1.4M QPSK RB1,5	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:707.5 MHz	Engineer	:Enzo



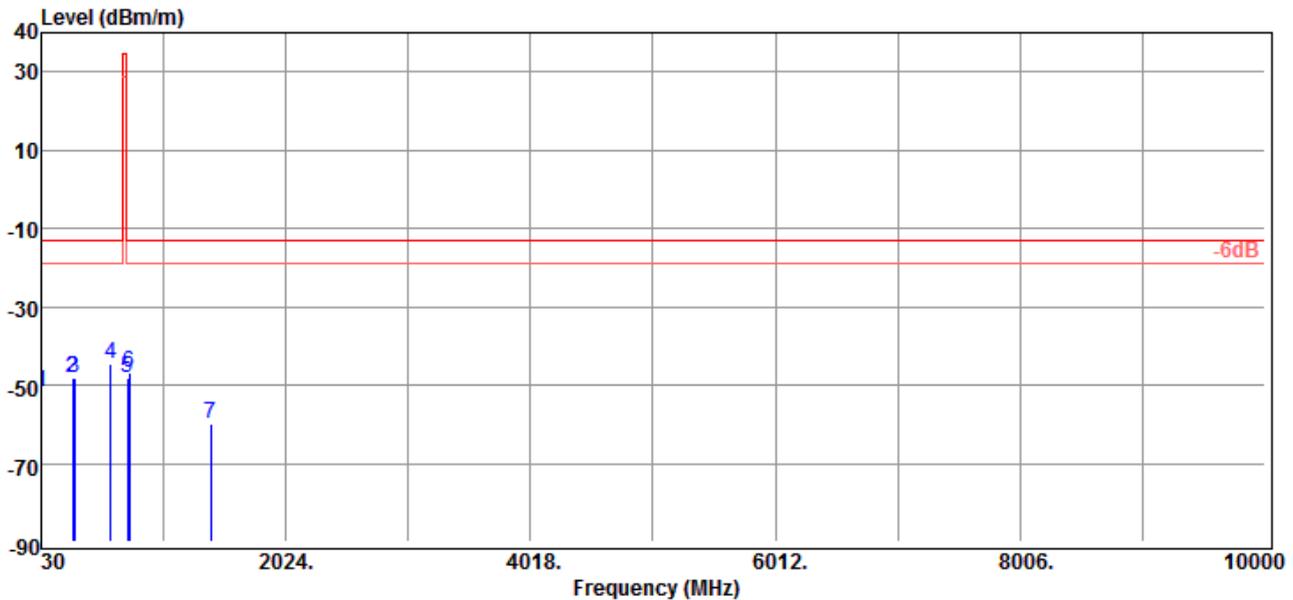
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
34.85	-41.15	-24.80	-15.83	-0.52	-13.00	-28.15
110.51	-45.93	-44.99	-0.05	-0.89	-13.00	-32.93
561.56	-48.58	-52.61	6.33	-2.30	-13.00	-35.58
579.99	-48.81	-53.09	6.49	-2.21	-13.00	-35.81
730.34	-49.38	-54.61	7.37	-2.14	-13.00	-36.38
773.99	-57.40	-62.65	7.49	-2.24	-13.00	-44.40
1415.00	-64.12	-68.37	7.75	-3.50	-13.00	-51.12

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Operation Mode	:LTE B12 1.4M QPSK RB1,5	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:707.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-51.80	-33.87	-17.44	-0.49	-13.00	-38.80
283.17	-48.02	-52.09	5.63	-1.56	-13.00	-35.02
301.60	-47.98	-52.20	5.85	-1.63	-13.00	-34.98
598.42	-44.43	-48.96	6.66	-2.13	-13.00	-31.43
730.34	-48.35	-53.58	7.37	-2.14	-13.00	-35.35
746.83	-46.74	-52.07	7.40	-2.07	-13.00	-33.74
1415.00	-59.94	-64.19	7.75	-3.50	-13.00	-46.94

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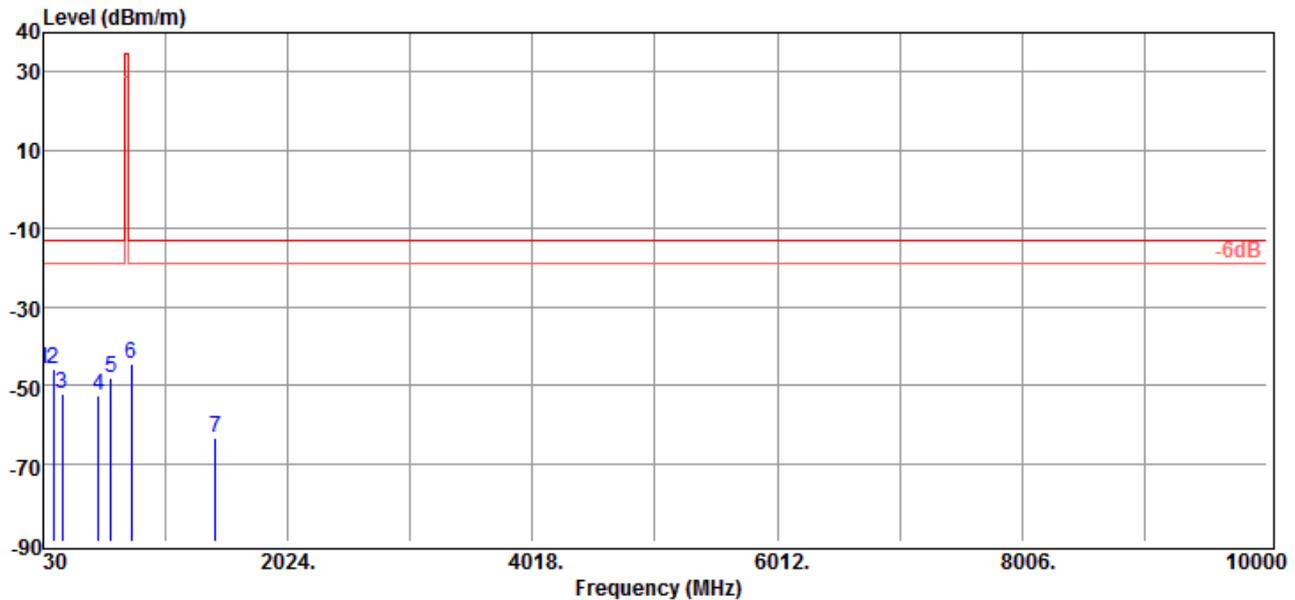
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Operation Mode	:LTE B12 1.4M QPSK RB1,5	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:715.3 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-45.95	-27.19	-18.29	-0.47	-13.00	-32.95
110.51	-46.11	-45.17	-0.05	-0.89	-13.00	-33.11
183.26	-52.08	-55.75	4.83	-1.16	-13.00	-39.08
482.99	-52.64	-56.43	6.22	-2.43	-13.00	-39.64
582.90	-48.34	-52.66	6.52	-2.20	-13.00	-35.34
745.86	-44.47	-49.80	7.40	-2.07	-13.00	-31.47
1430.60	-63.48	-67.78	7.82	-3.52	-13.00	-50.48

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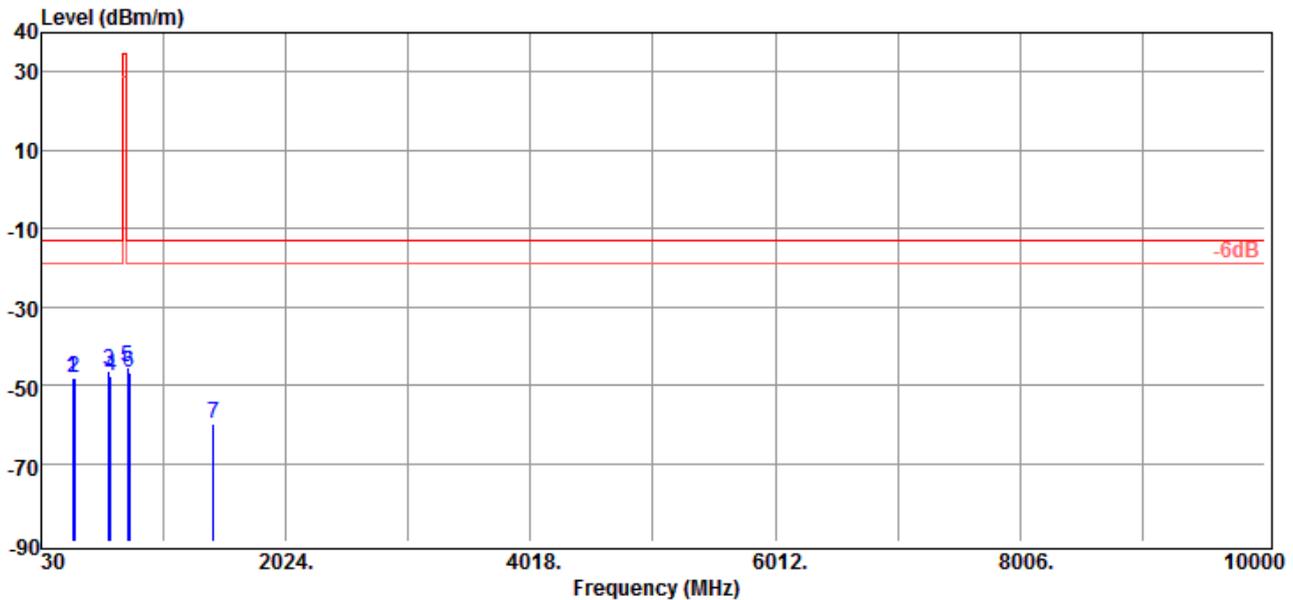
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Operation Mode	:LTE B12 1.4M QPSK RB1,5	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:715.3 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
283.17	-48.31	-52.38	5.63	-1.56	-13.00	-35.31
297.72	-48.11	-52.32	5.82	-1.61	-13.00	-35.11
584.84	-46.54	-50.89	6.54	-2.19	-13.00	-33.54
599.39	-47.85	-52.39	6.66	-2.12	-13.00	-34.85
730.34	-45.34	-50.57	7.37	-2.14	-13.00	-32.34
746.83	-46.92	-52.25	7.40	-2.07	-13.00	-33.92
1430.60	-59.69	-63.99	7.82	-3.52	-13.00	-46.69

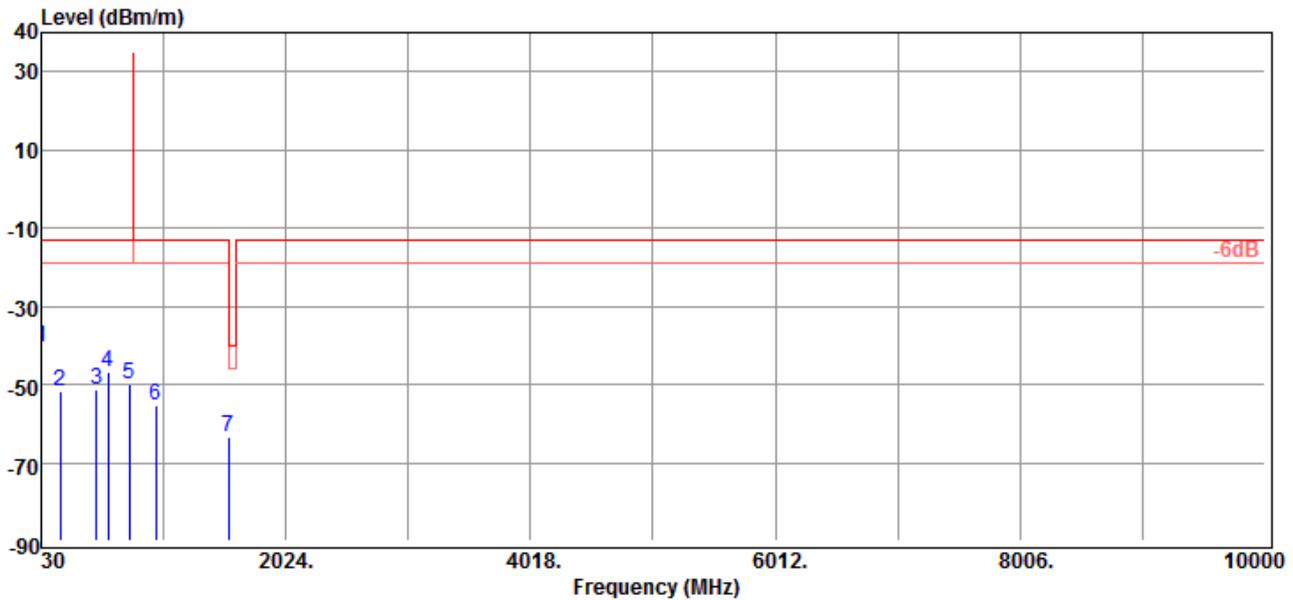
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### Radiated Spurious Emission Measurement Result: LTE-Band 13 (The Worst Case)

Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:779.5 MHz	Engineer	:Enzo



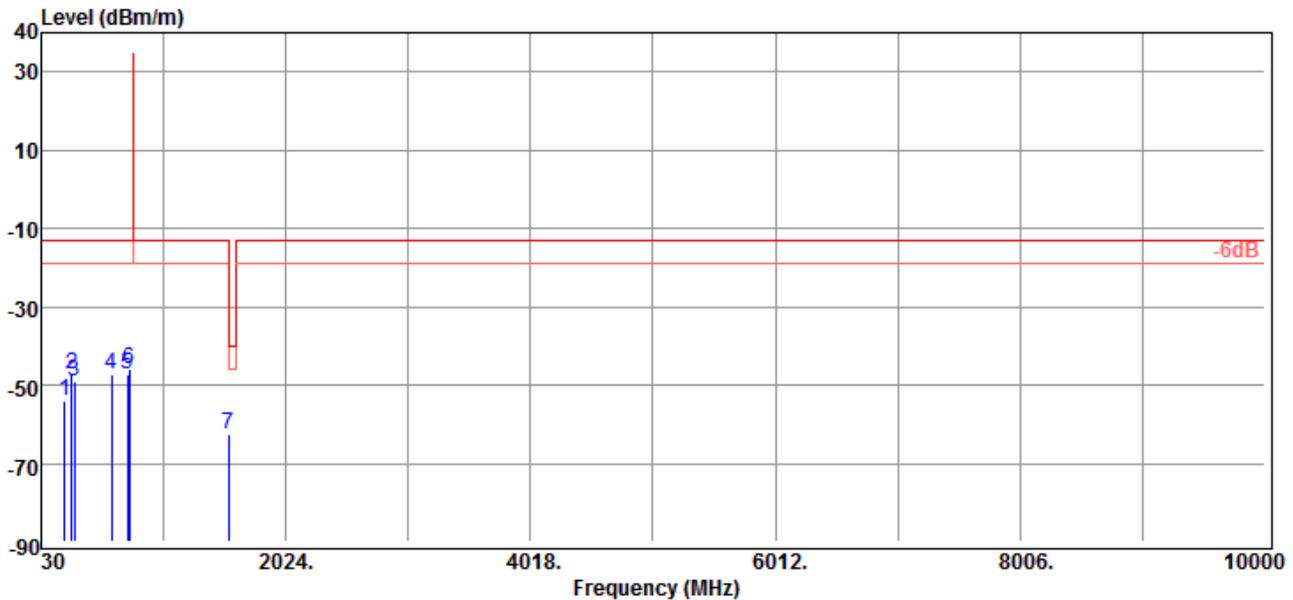
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-40.72	-25.86	-14.31	-0.55	-13.00	-27.72
184.23	-51.85	-55.58	4.89	-1.16	-13.00	-38.85
482.02	-51.50	-55.29	6.21	-2.42	-13.00	-38.50
576.11	-46.95	-51.18	6.46	-2.23	-13.00	-33.95
747.80	-50.10	-55.45	7.41	-2.06	-13.00	-37.10
963.14	-55.25	-60.15	7.70	-2.80	-13.00	-42.25
1559.00	-63.59	-68.25	8.38	-3.72	-40.00	-23.59

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:779.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
223.03	-54.17	-58.35	5.51	-1.33	-13.00	-41.17
282.20	-47.48	-51.54	5.62	-1.56	-13.00	-34.48
301.60	-49.03	-53.25	5.85	-1.63	-13.00	-36.03
602.30	-47.48	-52.02	6.68	-2.14	-13.00	-34.48
730.34	-47.43	-52.66	7.37	-2.14	-13.00	-34.43
745.86	-46.07	-51.40	7.40	-2.07	-13.00	-33.07
1559.00	-62.75	-67.41	8.38	-3.72	-40.00	-22.75

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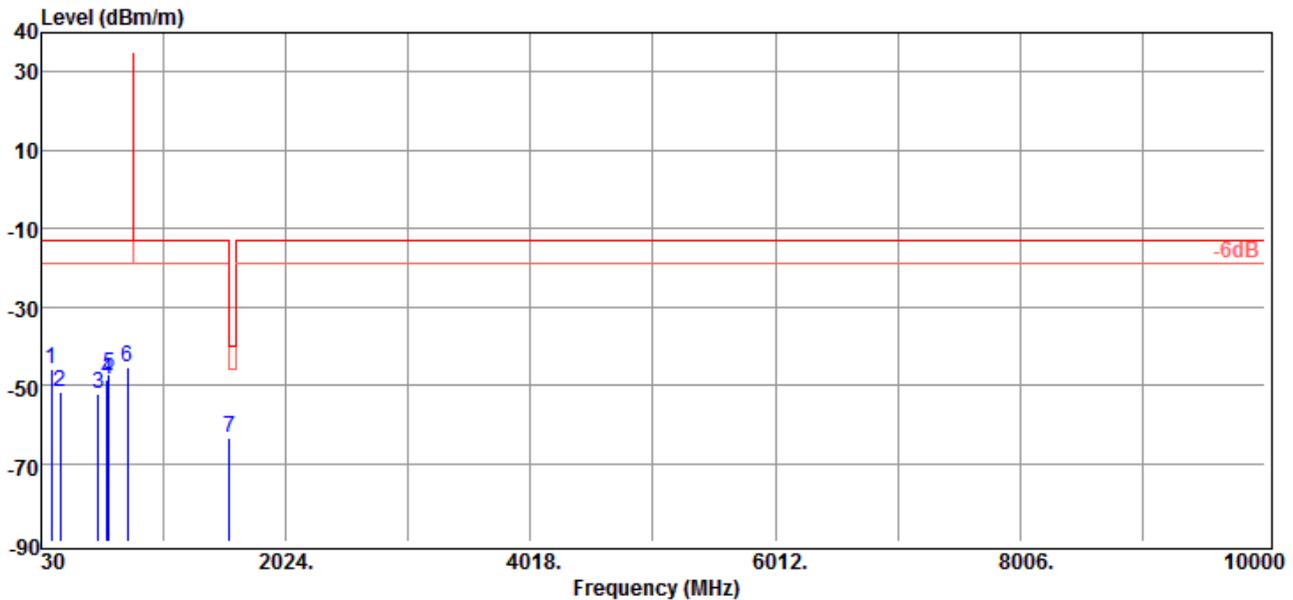
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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:782 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-46.13	-45.19	-0.05	-0.89	-13.00	-33.13
184.23	-51.69	-55.42	4.89	-1.16	-13.00	-38.69
491.72	-52.39	-56.12	6.26	-2.53	-13.00	-39.39
566.41	-48.61	-52.71	6.37	-2.27	-13.00	-35.61
581.93	-47.31	-51.62	6.51	-2.20	-13.00	-34.31
731.31	-45.35	-50.58	7.37	-2.14	-13.00	-32.35
1564.00	-63.52	-68.20	8.40	-3.72	-40.00	-23.52

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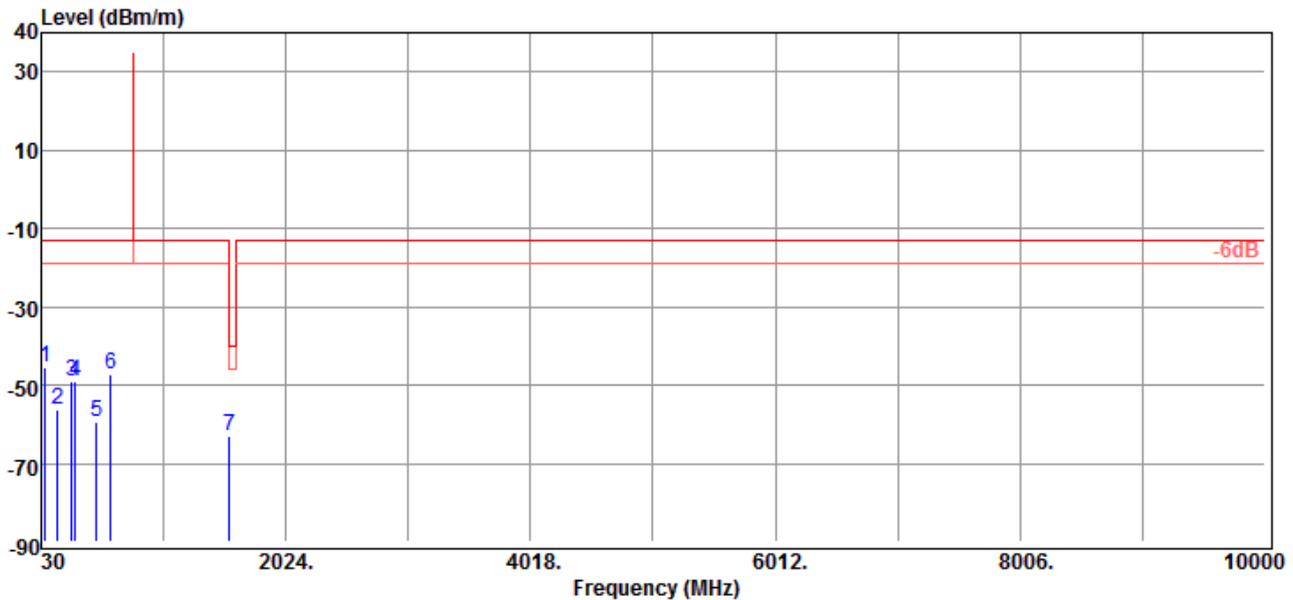
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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:782 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
63.95	-45.39	-44.43	-0.28	-0.68	-13.00	-32.39
160.95	-56.32	-58.61	3.34	-1.05	-13.00	-43.32
281.23	-49.07	-53.13	5.61	-1.55	-13.00	-36.07
304.51	-49.00	-53.19	5.84	-1.65	-13.00	-36.00
483.96	-59.30	-63.08	6.22	-2.44	-13.00	-46.30
599.39	-47.31	-51.85	6.66	-2.12	-13.00	-34.31
1564.00	-63.15	-67.83	8.40	-3.72	-40.00	-23.15

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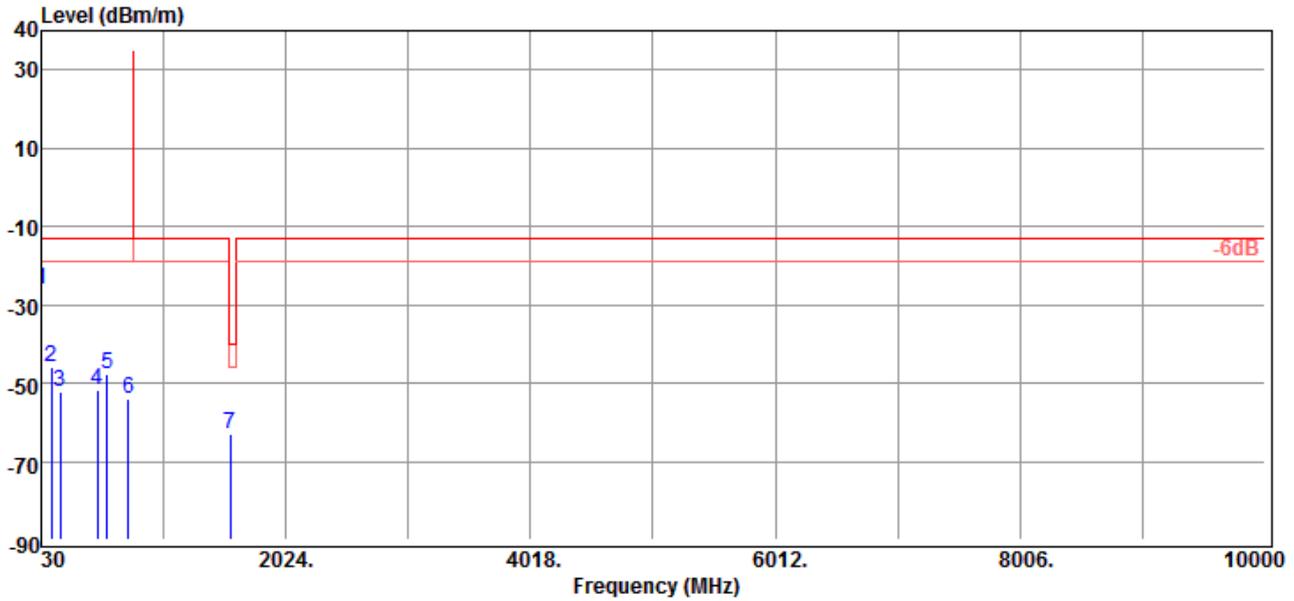
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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:784.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-26.33	-8.40	-17.44	-0.49	-13.00	-13.33
110.51	-45.96	-45.02	-0.05	-0.89	-13.00	-32.96
182.29	-52.01	-55.63	4.77	-1.15	-13.00	-39.01
486.87	-51.97	-55.73	6.23	-2.47	-13.00	-38.97
567.38	-47.69	-51.80	6.38	-2.27	-13.00	-34.69
737.13	-54.01	-59.28	7.38	-2.11	-13.00	-41.01
1569.00	-62.89	-67.59	8.43	-3.73	-40.00	-22.89

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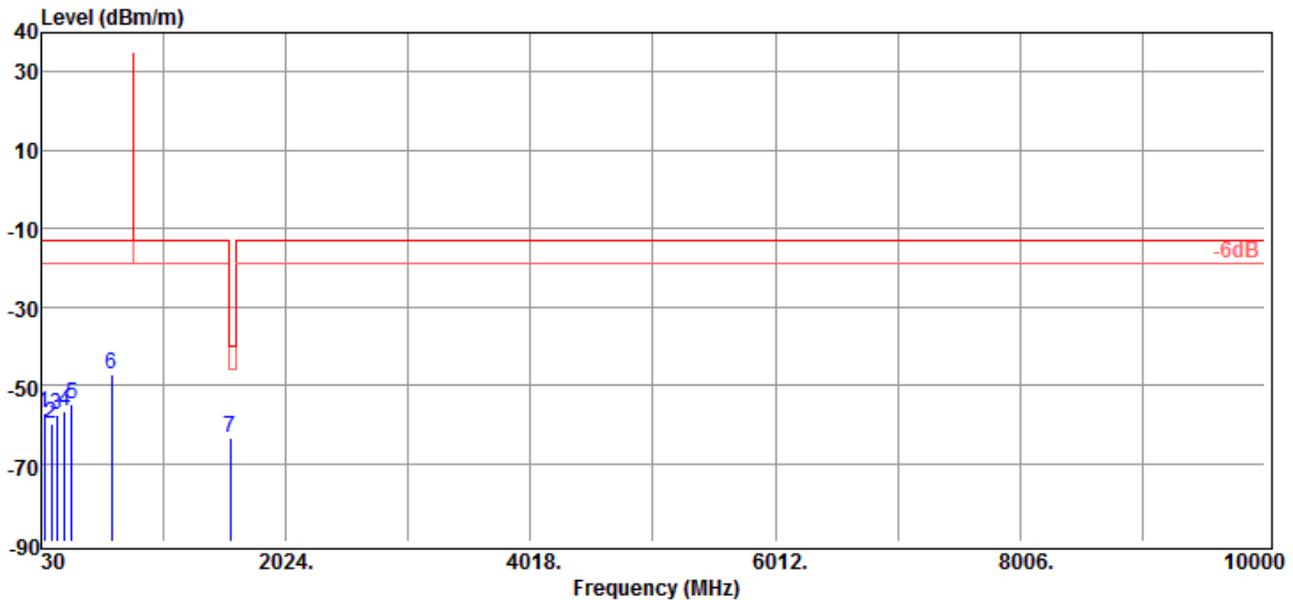
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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:784.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
56.19	-57.08	-54.20	-2.23	-0.65	-13.00	-44.08
110.51	-59.91	-58.97	-0.05	-0.89	-13.00	-46.91
159.01	-57.68	-59.84	3.20	-1.04	-13.00	-44.68
221.09	-56.67	-60.88	5.53	-1.32	-13.00	-43.67
282.20	-55.00	-59.06	5.62	-1.56	-13.00	-42.00
601.33	-47.37	-51.92	6.68	-2.13	-13.00	-34.37
1569.00	-63.56	-68.26	8.43	-3.73	-40.00	-23.56

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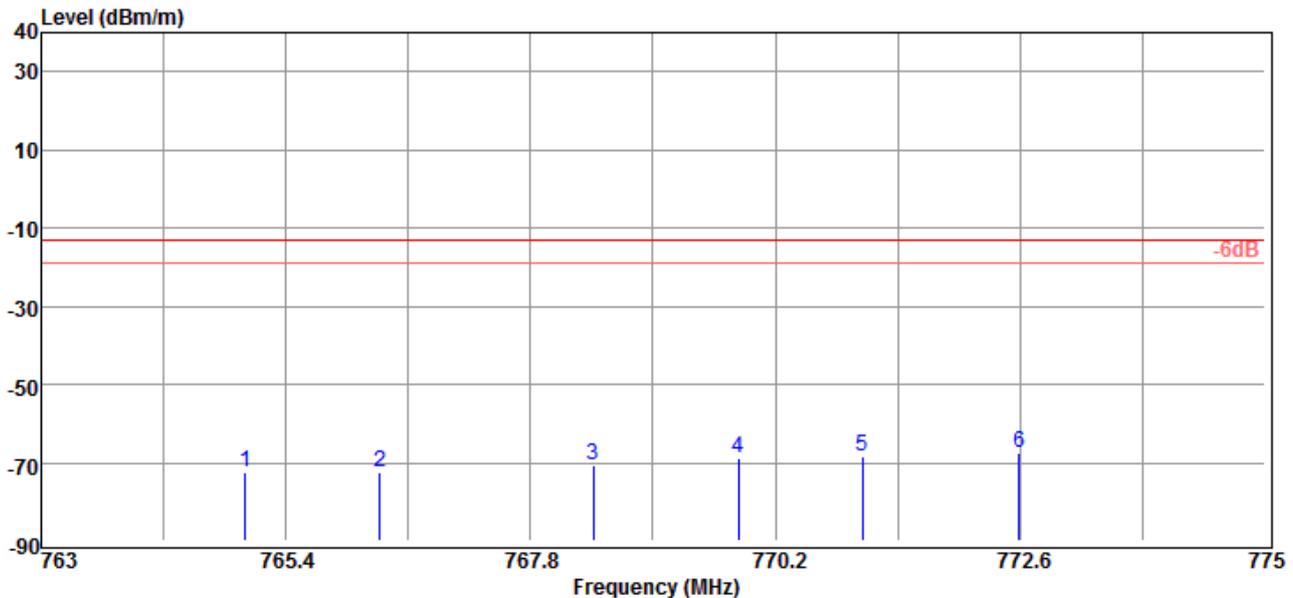
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### Radiated Spurious Emission Measurement Result: LTE-Band 13 (763~775MHz)

Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:779.5 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
765.00	-72.52	-77.81	7.46	-2.17	-13.00	-59.52
766.32	-72.59	-77.87	7.46	-2.18	-13.00	-59.59
768.41	-70.67	-75.95	7.47	-2.19	-13.00	-57.67
769.84	-68.80	-74.07	7.47	-2.20	-13.00	-55.80
771.05	-68.22	-73.49	7.48	-2.21	-13.00	-55.22
772.59	-67.49	-72.74	7.48	-2.23	-13.00	-54.49

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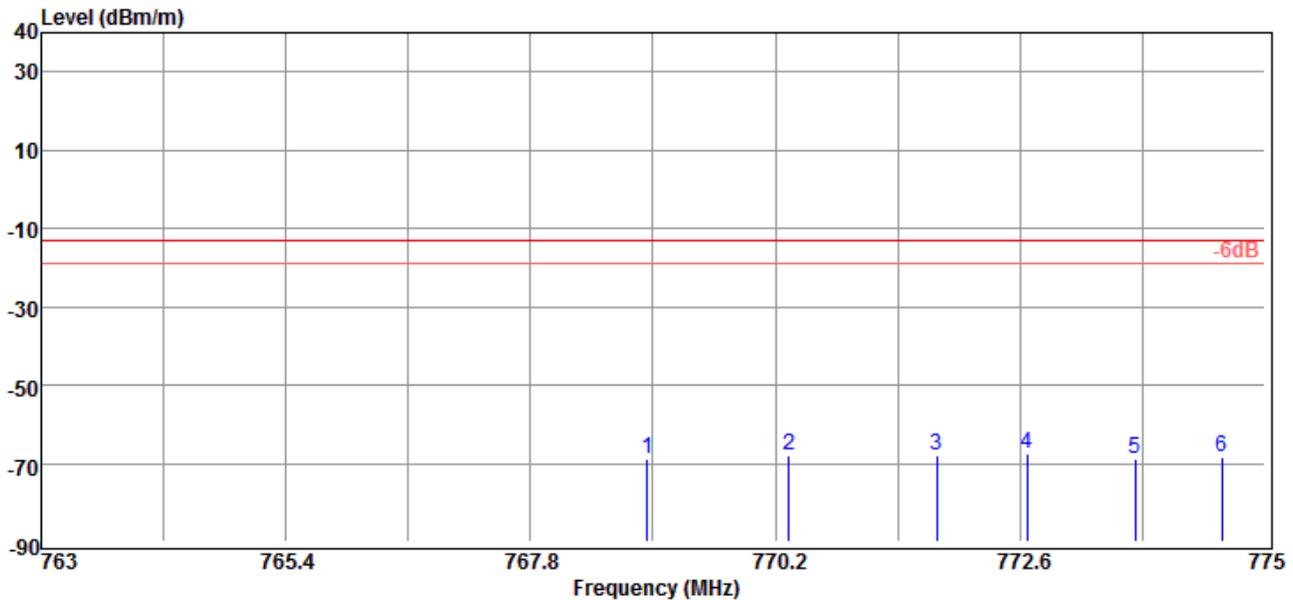
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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:779.5 MHz	Engineer	:Ashton



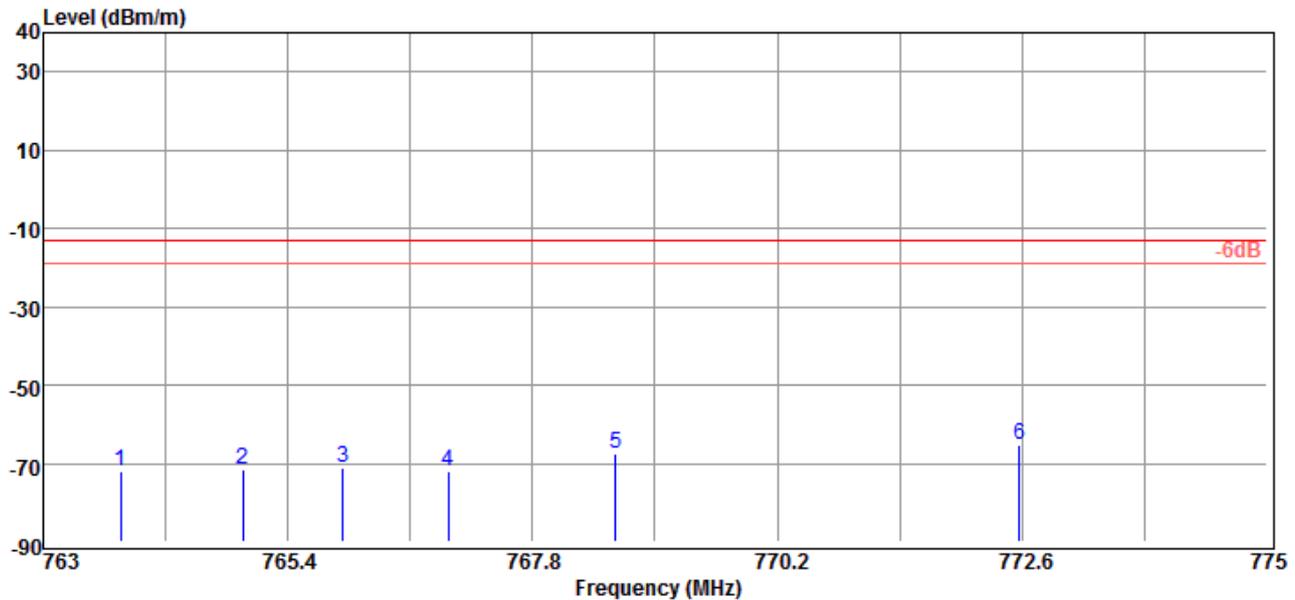
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
768.94	-68.90	-74.17	7.47	-2.20	-13.00	-55.90
770.33	-68.11	-73.38	7.48	-2.21	-13.00	-55.11
771.78	-68.02	-73.28	7.48	-2.22	-13.00	-55.02
772.67	-67.57	-72.82	7.48	-2.23	-13.00	-54.57
773.73	-69.02	-74.27	7.49	-2.24	-13.00	-56.02
774.58	-68.49	-73.74	7.49	-2.24	-13.00	-55.49

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:782 MHz	Engineer	:Ashton



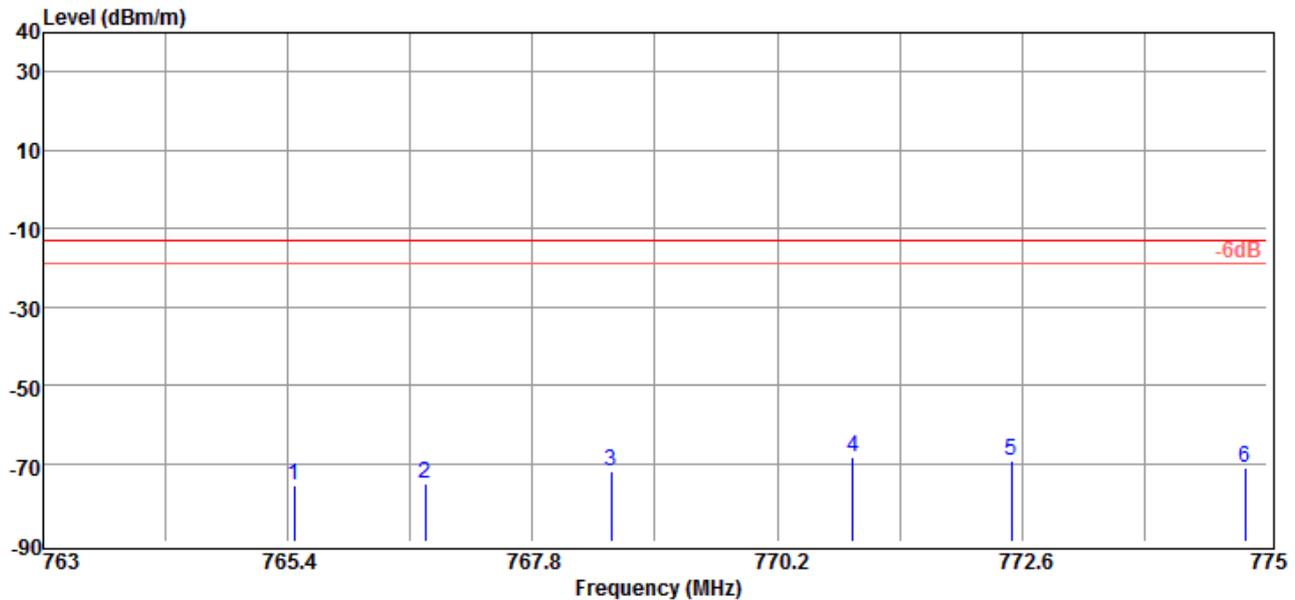
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
763.76	-71.82	-77.12	7.46	-2.16	-13.00	-58.82
764.96	-71.63	-76.92	7.46	-2.17	-13.00	-58.63
765.94	-71.25	-76.54	7.46	-2.17	-13.00	-58.25
766.97	-72.16	-77.45	7.47	-2.18	-13.00	-59.16
768.62	-67.53	-72.80	7.47	-2.20	-13.00	-54.53
772.58	-65.34	-70.59	7.48	-2.23	-13.00	-52.34

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:782 MHz	Engineer	:Ashton



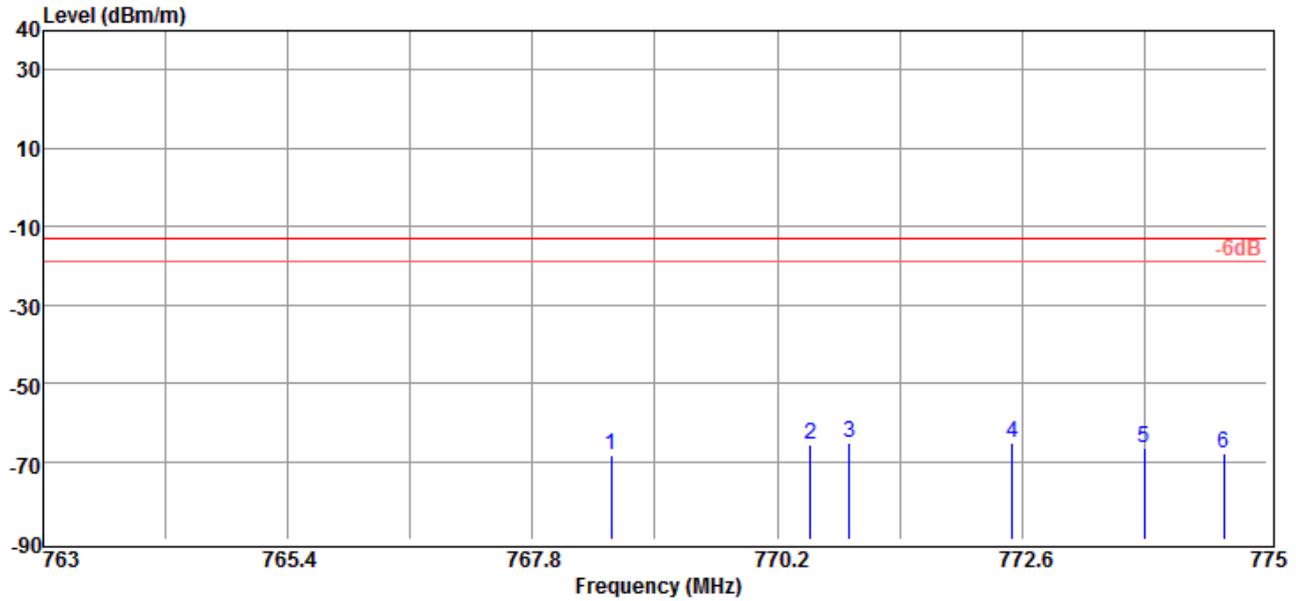
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
765.46	-75.76	-81.05	7.46	-2.17	-13.00	-62.76
766.74	-75.01	-80.29	7.46	-2.18	-13.00	-62.01
768.57	-72.00	-77.28	7.47	-2.19	-13.00	-59.00
770.94	-68.23	-73.50	7.48	-2.21	-13.00	-55.23
772.49	-69.38	-74.63	7.48	-2.23	-13.00	-56.38
774.78	-71.13	-76.38	7.49	-2.24	-13.00	-58.13

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:784.5 MHz	Engineer	:Ashton



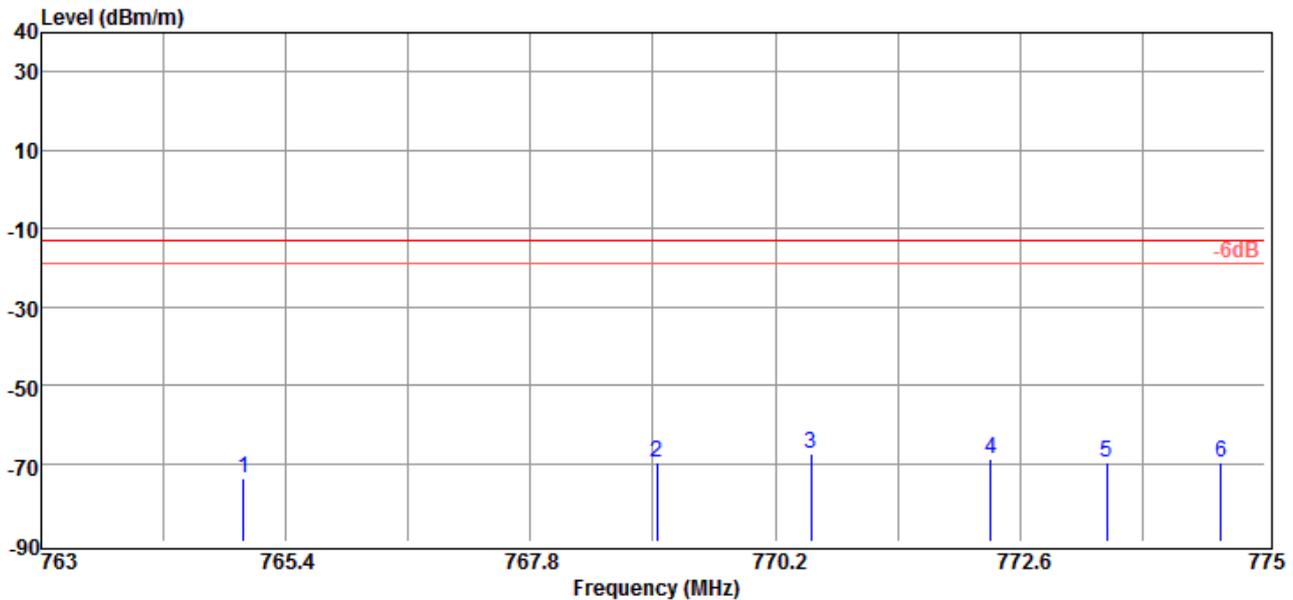
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
768.57	-68.51	-73.79	7.47	-2.19	-13.00	-55.51
770.52	-65.83	-71.10	7.48	-2.21	-13.00	-52.83
770.91	-65.40	-70.67	7.48	-2.21	-13.00	-52.40
772.50	-65.43	-70.68	7.48	-2.23	-13.00	-52.43
773.80	-66.61	-71.86	7.49	-2.24	-13.00	-53.61
774.58	-67.98	-73.23	7.49	-2.24	-13.00	-54.98

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Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:784.5 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
764.98	-73.97	-79.26	7.46	-2.17	-13.00	-60.97
769.04	-69.64	-74.91	7.47	-2.20	-13.00	-56.64
770.55	-67.37	-72.64	7.48	-2.21	-13.00	-54.37
772.31	-68.87	-74.13	7.48	-2.22	-13.00	-55.87
773.45	-69.57	-74.83	7.49	-2.23	-13.00	-56.57
774.57	-69.75	-75.00	7.49	-2.24	-13.00	-56.75

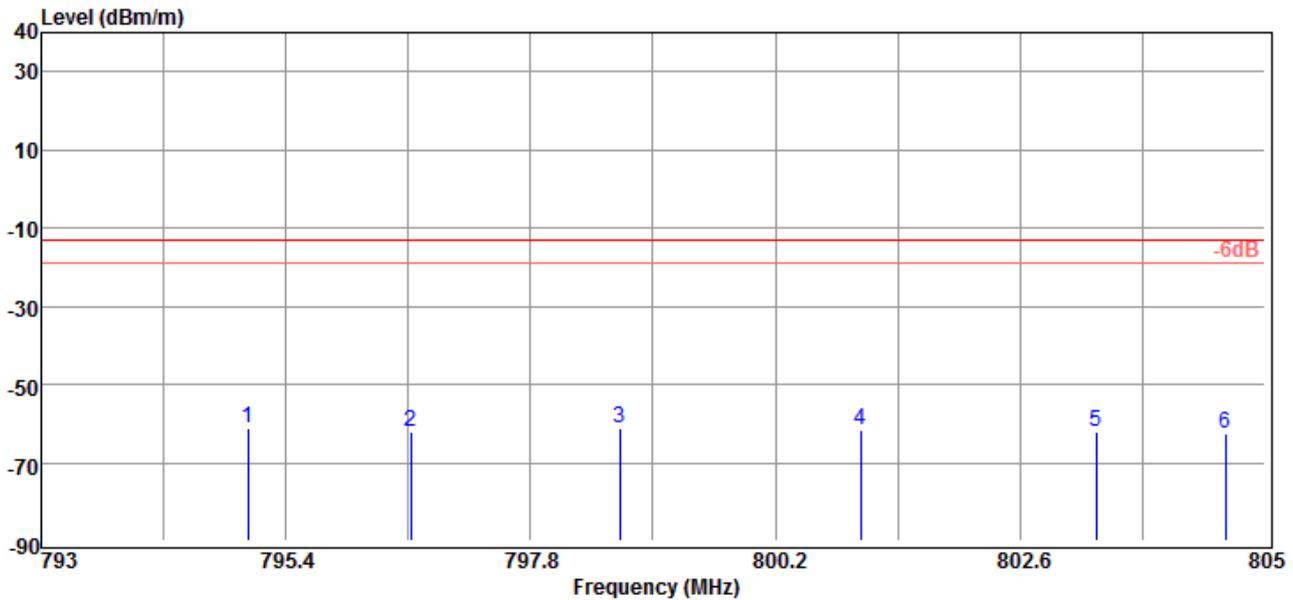
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### Radiated Spurious Emission Measurement Result: LTE-Band 13 (793~805MHz)

Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:779.5 MHz	Engineer	:Ashton



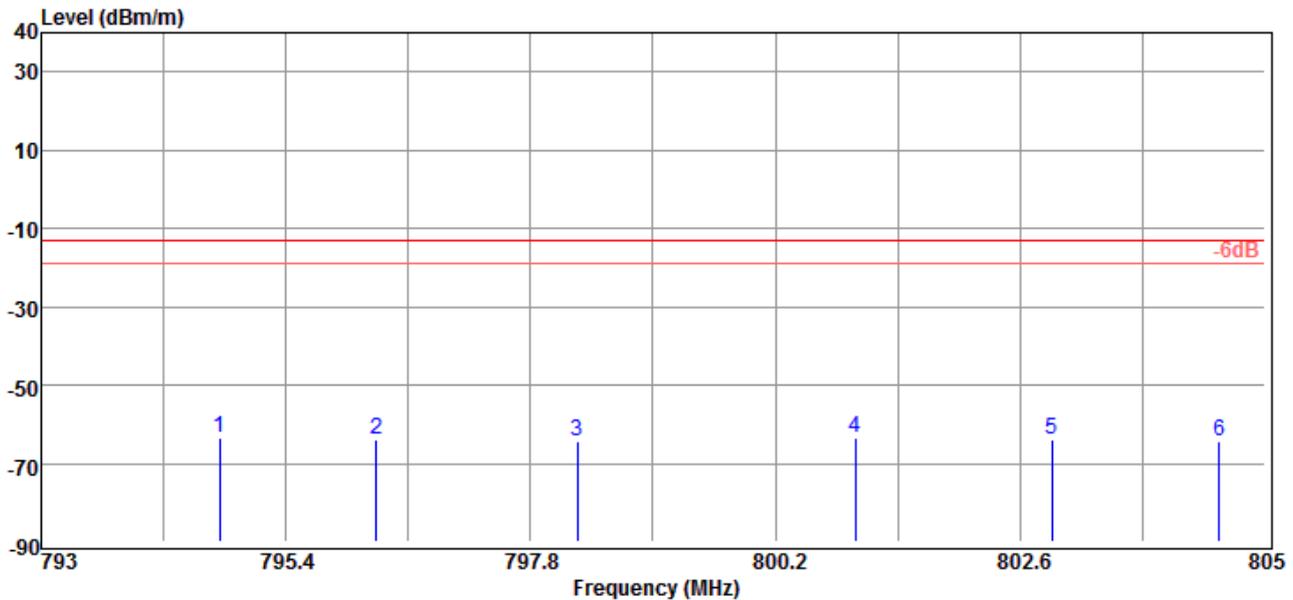
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
795.03	-61.01	-66.16	7.55	-2.40	-13.00	-48.01
796.62	-62.30	-67.45	7.56	-2.41	-13.00	-49.30
798.68	-61.17	-66.31	7.57	-2.43	-13.00	-48.17
801.04	-61.51	-66.64	7.57	-2.44	-13.00	-48.51
803.34	-61.99	-67.13	7.57	-2.43	-13.00	-48.99
804.62	-62.50	-67.63	7.56	-2.43	-13.00	-49.50

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:779.5 MHz	Engineer	:Ashton



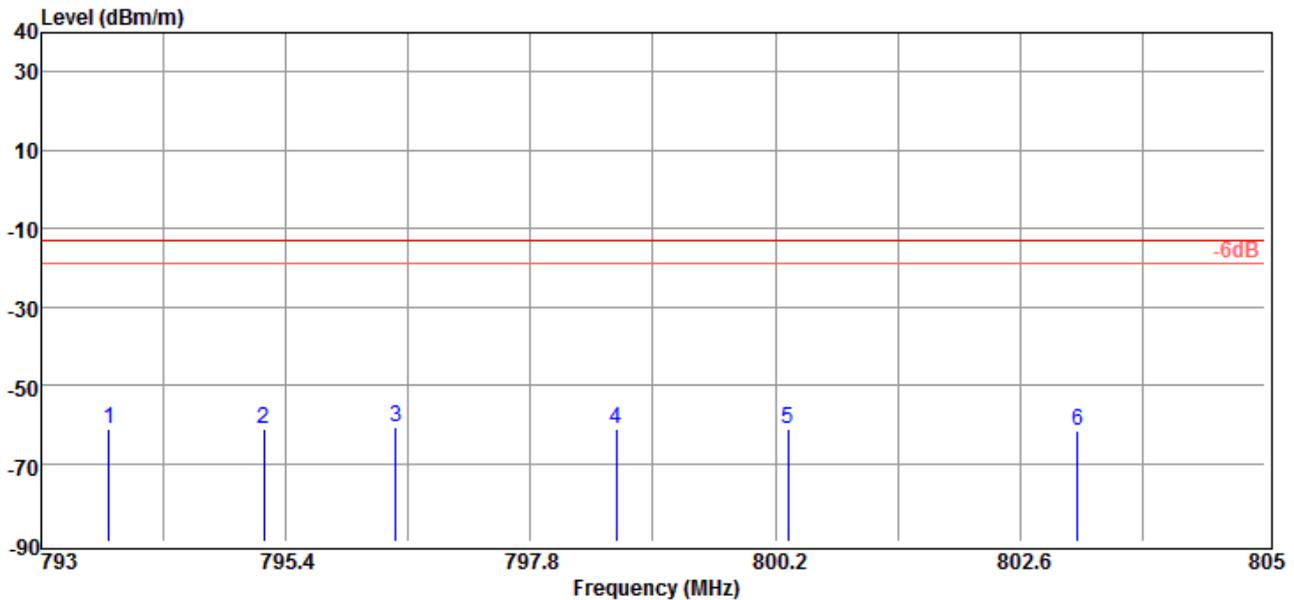
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
794.75	-63.41	-68.56	7.55	-2.40	-13.00	-50.41
796.29	-64.07	-69.22	7.56	-2.41	-13.00	-51.07
798.26	-64.17	-69.30	7.56	-2.43	-13.00	-51.17
800.98	-63.52	-68.65	7.57	-2.44	-13.00	-50.52
802.91	-64.11	-69.24	7.57	-2.44	-13.00	-51.11
804.56	-64.56	-69.69	7.56	-2.43	-13.00	-51.56

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:782 MHz	Engineer	:Ashton



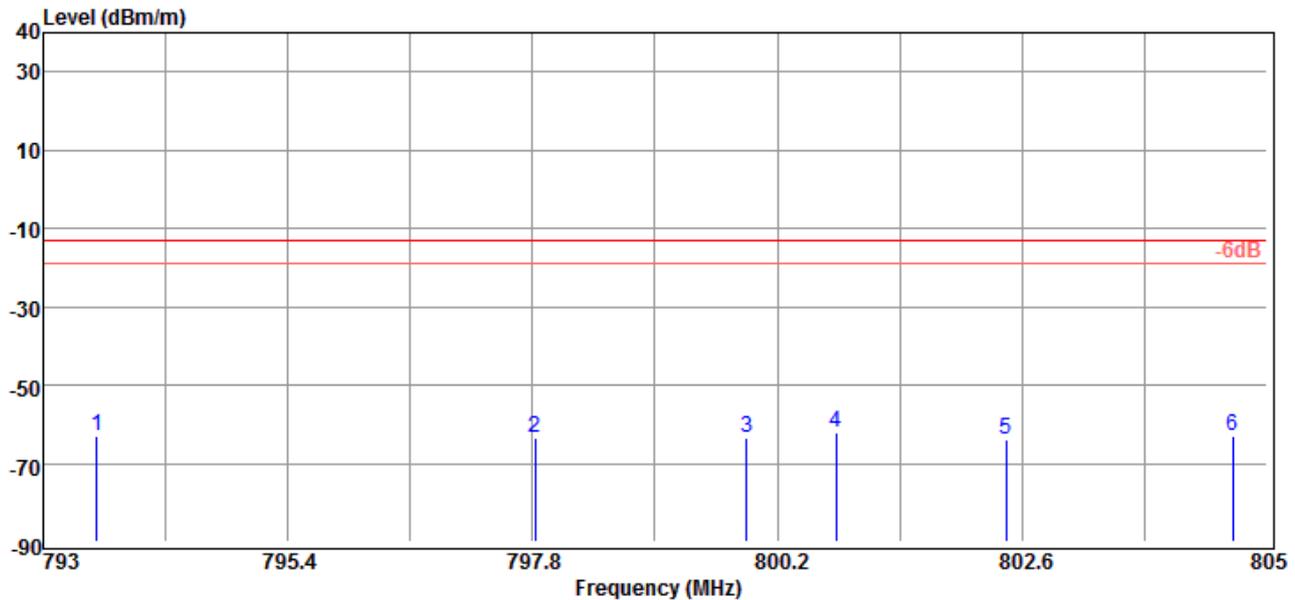
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
793.66	-61.31	-66.47	7.55	-2.39	-13.00	-48.31
795.18	-61.13	-66.29	7.56	-2.40	-13.00	-48.13
796.48	-60.96	-66.11	7.56	-2.41	-13.00	-47.96
798.64	-61.07	-66.21	7.57	-2.43	-13.00	-48.07
800.32	-61.01	-66.14	7.57	-2.44	-13.00	-48.01
803.16	-61.54	-66.68	7.57	-2.43	-13.00	-48.54

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Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:782 MHz	Engineer	:Ashton



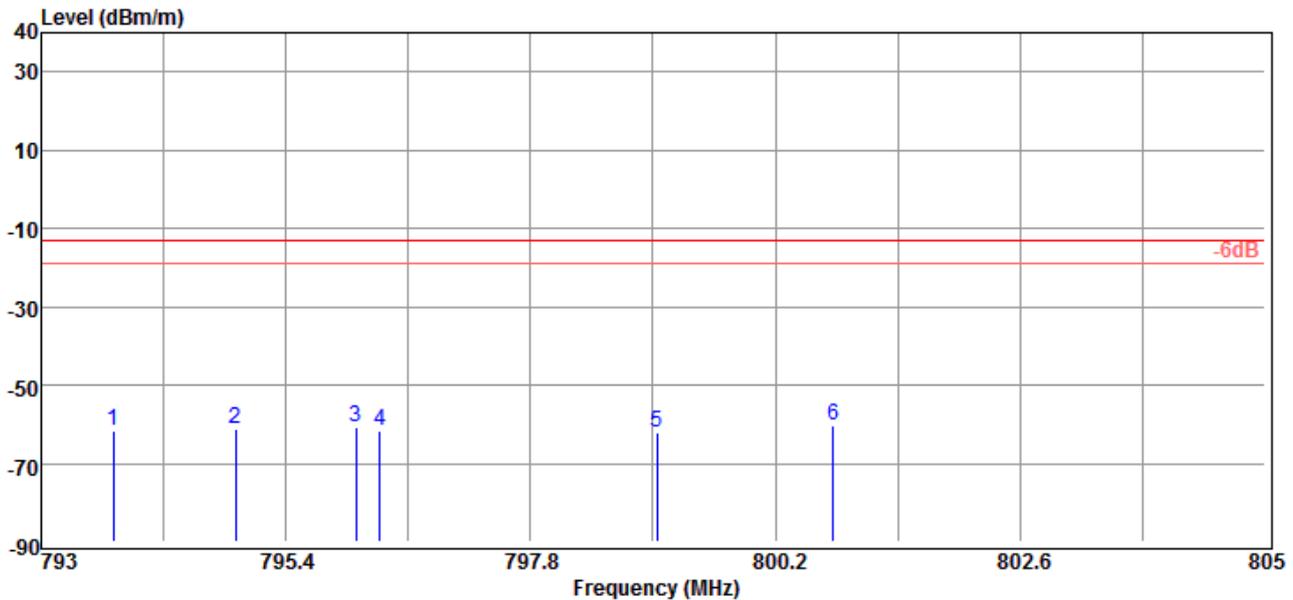
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
793.53	-63.12	-68.28	7.55	-2.39	-13.00	-50.12
797.82	-63.61	-68.75	7.56	-2.42	-13.00	-50.61
799.90	-63.44	-68.57	7.57	-2.44	-13.00	-50.44
800.78	-61.93	-67.06	7.57	-2.44	-13.00	-48.93
802.44	-63.97	-69.10	7.57	-2.44	-13.00	-50.97
804.66	-63.10	-68.23	7.56	-2.43	-13.00	-50.10

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Operation Mode	:LTE B13 5M QPSK RB1,24	Test Date	:2018-12-12
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:784.5 MHz	Engineer	:Ashton



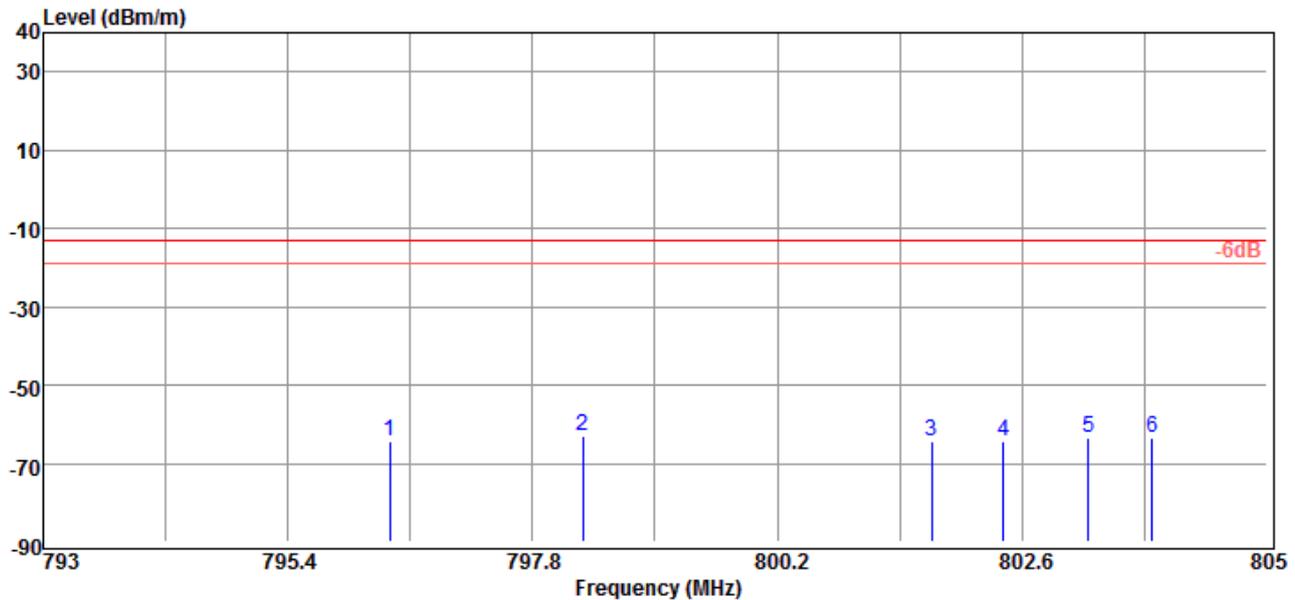
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
793.71	-61.45	-66.61	7.55	-2.39	-13.00	-48.45
794.91	-61.19	-66.34	7.55	-2.40	-13.00	-48.19
796.08	-60.68	-65.83	7.56	-2.41	-13.00	-47.68
796.32	-61.71	-66.86	7.56	-2.41	-13.00	-48.71
799.04	-61.95	-67.09	7.57	-2.43	-13.00	-48.95
800.76	-60.44	-65.57	7.57	-2.44	-13.00	-47.44

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Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:784.5 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
796.40	-64.20	-69.35	7.56	-2.41	-13.00	-51.20
798.29	-63.19	-68.32	7.56	-2.43	-13.00	-50.19
801.71	-64.14	-69.27	7.57	-2.44	-13.00	-51.14
802.42	-64.29	-69.42	7.57	-2.44	-13.00	-51.29
803.25	-63.43	-68.57	7.57	-2.43	-13.00	-50.43
803.87	-63.30	-68.43	7.56	-2.43	-13.00	-50.30

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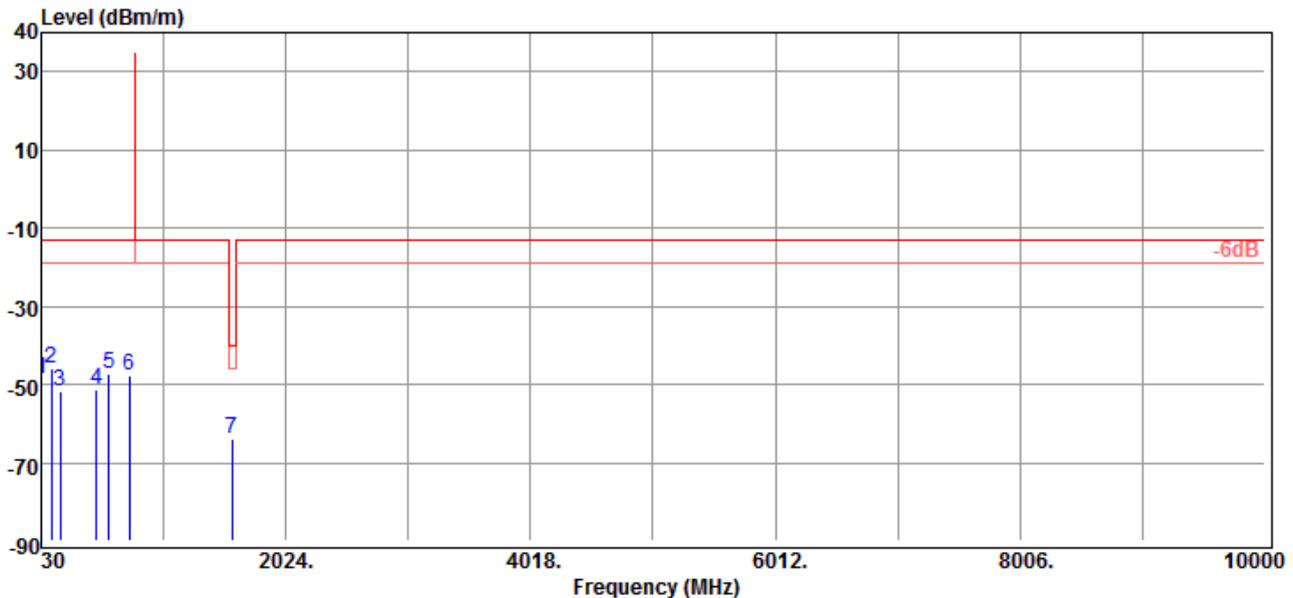
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### Radiated Spurious Emission Measurement Result: LTE-Band 14 (The Worst Case)

Operation Mode	:LTE B14 10M QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:793 MHz	Engineer	:Enzo



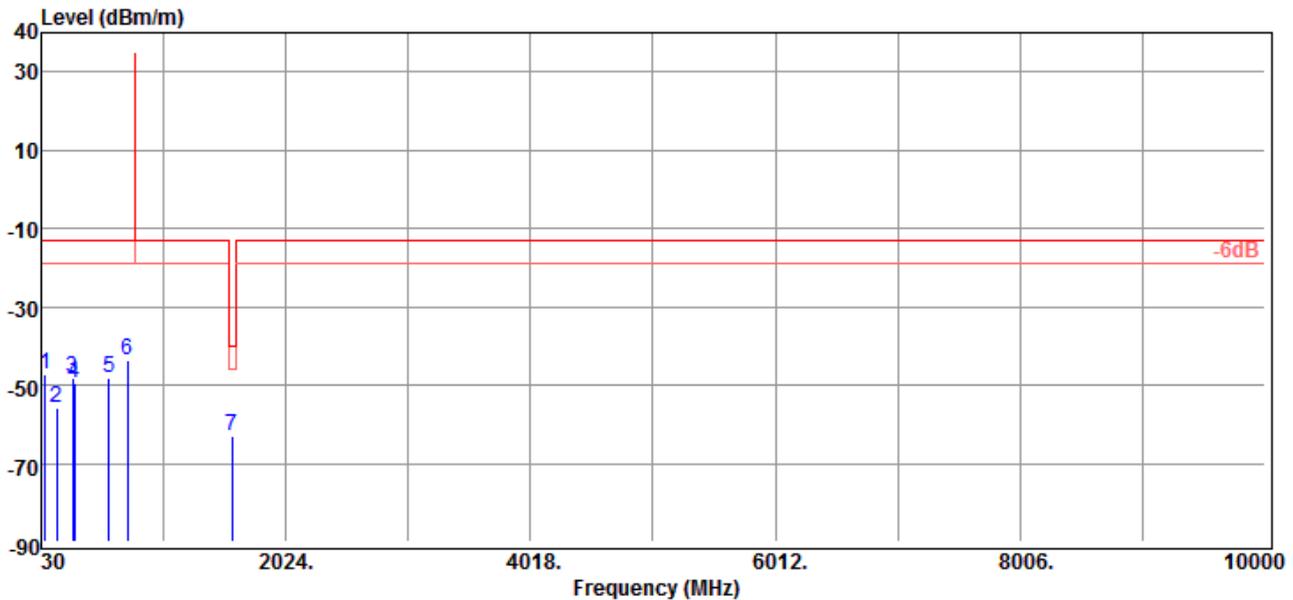
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-48.72	-32.37	-15.83	-0.52	-13.00	-35.72
110.51	-45.77	-44.83	-0.05	-0.89	-13.00	-32.77
183.26	-51.79	-55.46	4.83	-1.16	-13.00	-38.79
482.02	-51.35	-55.14	6.21	-2.42	-13.00	-38.35
579.02	-47.41	-51.68	6.49	-2.22	-13.00	-34.41
746.83	-47.76	-53.09	7.40	-2.07	-13.00	-34.76
1586.00	-63.69	-68.45	8.51	-3.75	-40.00	-23.69

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Operation Mode	:LTE B14 10M QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:793 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
62.98	-47.21	-46.13	-0.41	-0.67	-13.00	-34.21
159.01	-55.91	-58.07	3.20	-1.04	-13.00	-42.91
283.17	-48.00	-52.07	5.63	-1.56	-13.00	-35.00
300.63	-49.72	-53.95	5.85	-1.62	-13.00	-36.72
583.87	-48.04	-52.38	6.53	-2.19	-13.00	-35.04
730.34	-43.61	-48.84	7.37	-2.14	-13.00	-30.61
1586.00	-62.98	-67.74	8.51	-3.75	-40.00	-22.98

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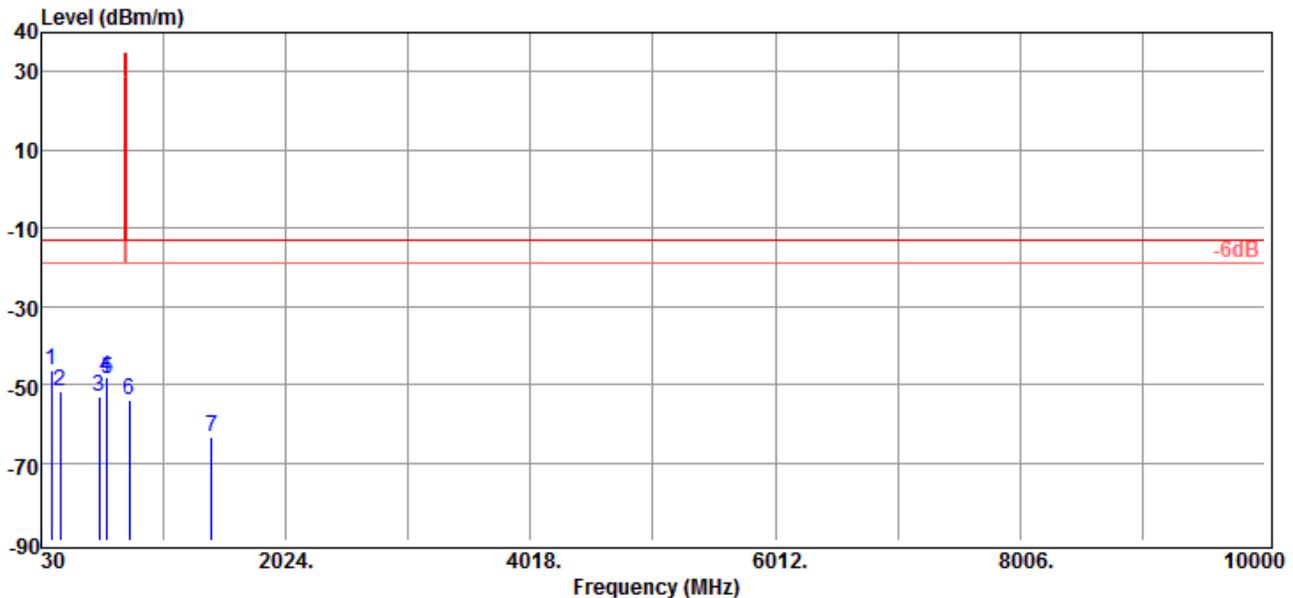
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### Radiated Spurious Emission Measurement Result: LTE-Band 17 (The Worst Case)

Operation Mode	:LTEB17 QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:709 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-46.37	-45.43	-0.05	-0.89	-13.00	-33.37
184.23	-51.63	-55.36	4.89	-1.16	-13.00	-38.63
500.45	-53.12	-56.79	6.29	-2.62	-13.00	-40.12
556.71	-48.24	-52.20	6.28	-2.32	-13.00	-35.24
567.38	-48.60	-52.71	6.38	-2.27	-13.00	-35.60
746.83	-53.89	-59.22	7.40	-2.07	-13.00	-40.89
1418.00	-63.53	-67.80	7.77	-3.50	-13.00	-50.53

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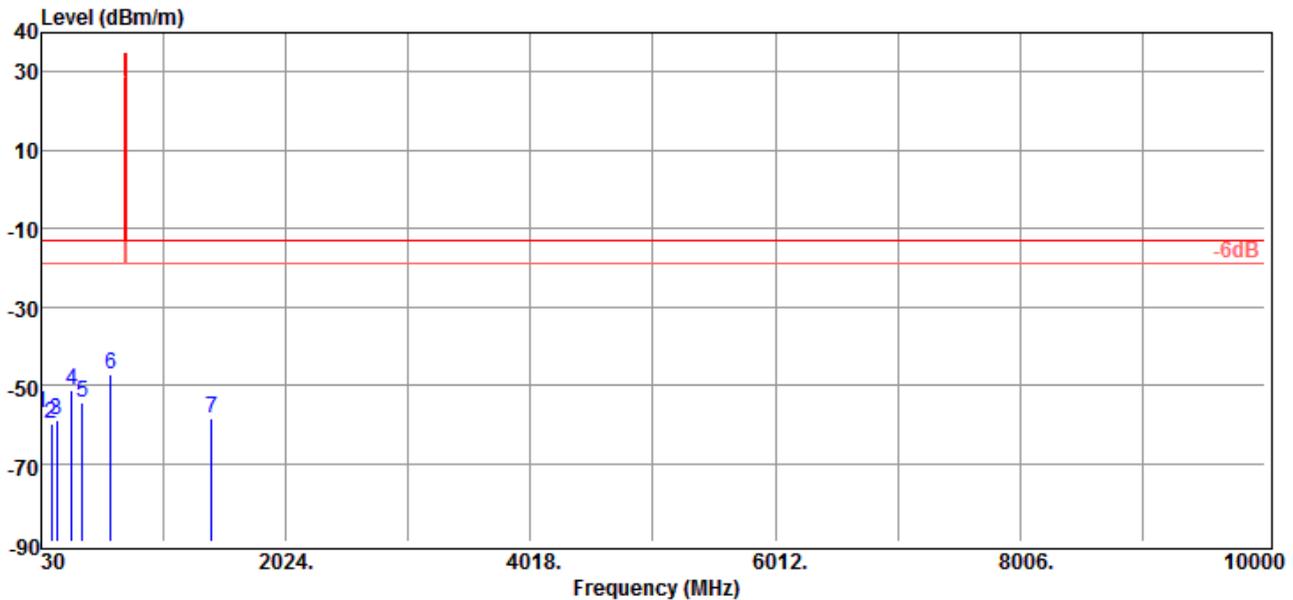
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Operation Mode	:LTEB17 QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:709 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-56.99	-36.50	-20.05	-0.44	-13.00	-43.99
110.51	-59.81	-58.87	-0.05	-0.89	-13.00	-46.81
159.01	-58.82	-60.98	3.20	-1.04	-13.00	-45.82
281.23	-51.27	-55.33	5.61	-1.55	-13.00	-38.27
365.62	-54.56	-58.29	5.71	-1.98	-13.00	-41.56
596.48	-47.39	-51.89	6.64	-2.14	-13.00	-34.39
1418.00	-58.44	-62.71	7.77	-3.50	-13.00	-45.44

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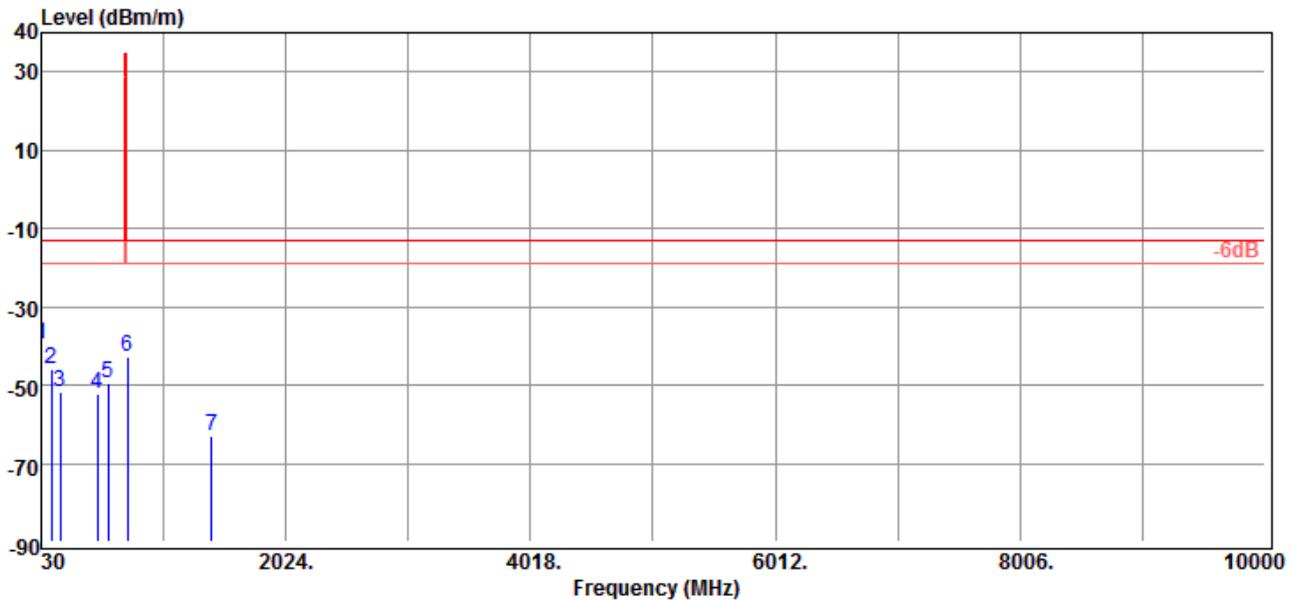
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Operation Mode	:LTEB17 QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:710 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-39.80	-19.31	-20.05	-0.44	-13.00	-26.80
110.51	-45.82	-44.88	-0.05	-0.89	-13.00	-32.82
183.26	-51.80	-55.47	4.83	-1.16	-13.00	-38.80
486.87	-52.43	-56.19	6.23	-2.47	-13.00	-39.43
578.05	-49.43	-53.69	6.48	-2.22	-13.00	-36.43
730.34	-42.84	-48.07	7.37	-2.14	-13.00	-29.84
1420.00	-63.08	-67.35	7.78	-3.51	-13.00	-50.08

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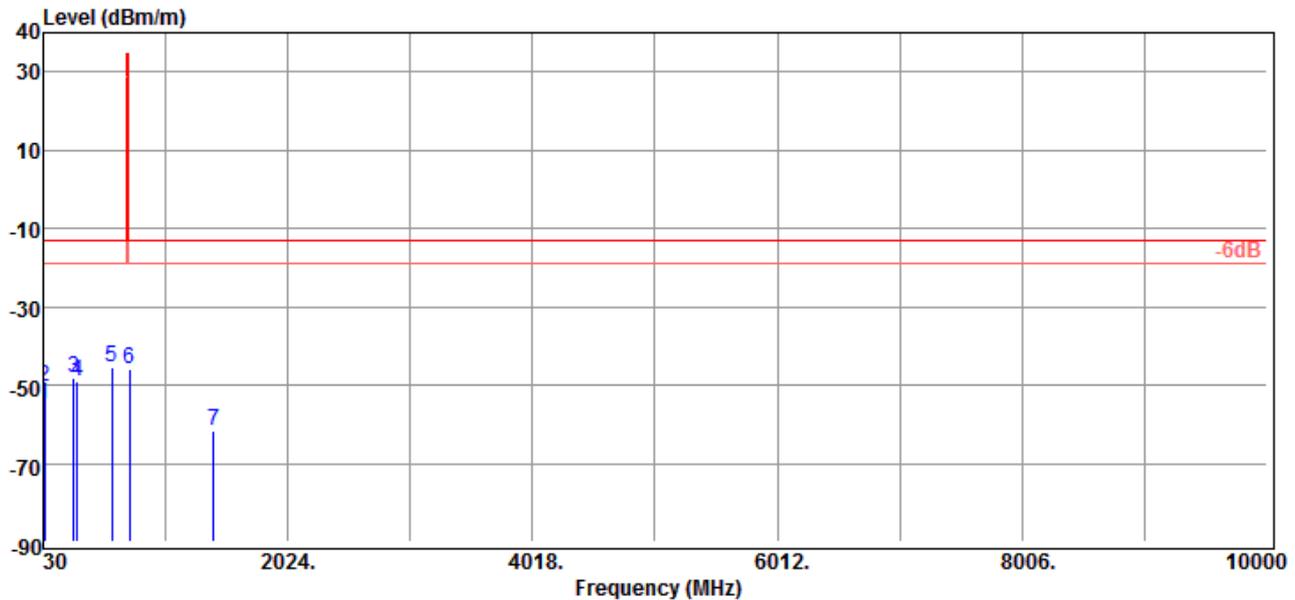
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Operation Mode	:LTEB17 QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:710 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-55.00	-34.51	-20.05	-0.44	-13.00	-42.00
38.73	-50.49	-37.05	-12.86	-0.58	-13.00	-37.49
282.20	-48.04	-52.10	5.62	-1.56	-13.00	-35.04
305.48	-49.18	-53.36	5.84	-1.66	-13.00	-36.18
585.81	-45.43	-49.79	6.55	-2.19	-13.00	-32.43
730.34	-45.71	-50.94	7.37	-2.14	-13.00	-32.71
1420.00	-61.73	-66.00	7.78	-3.51	-13.00	-48.73

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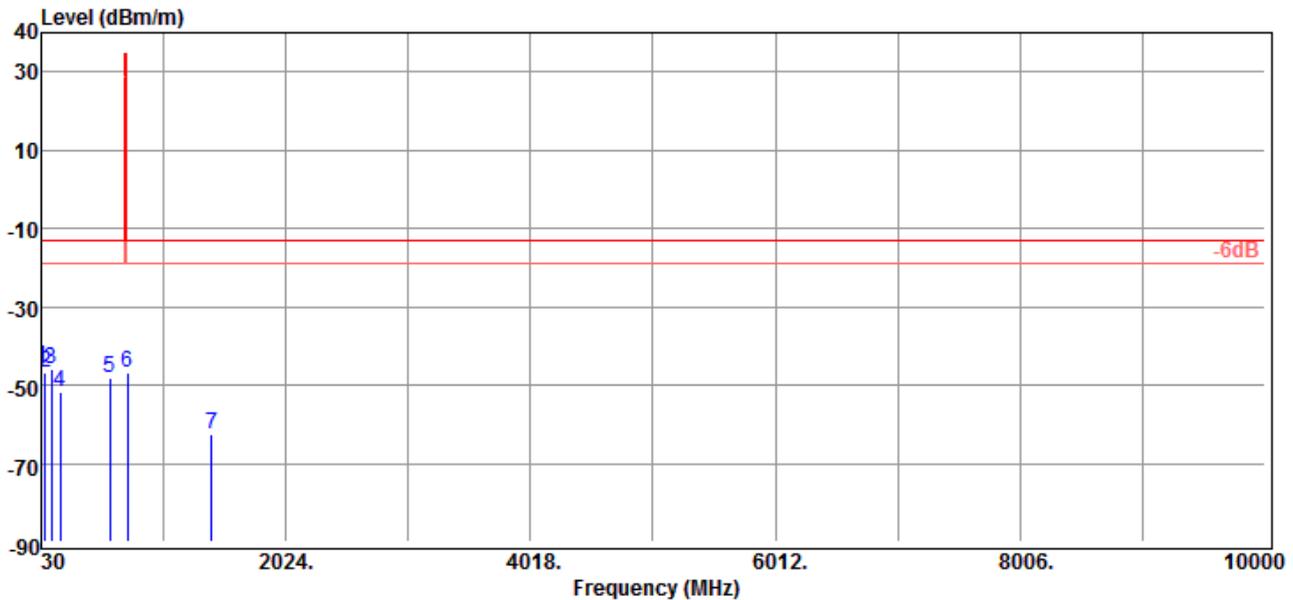
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Operation Mode	:LTEB17 QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:711 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.88	-45.25	-28.12	-16.63	-0.50	-13.00	-32.25
62.98	-46.71	-45.63	-0.41	-0.67	-13.00	-33.71
110.51	-46.01	-45.07	-0.05	-0.89	-13.00	-33.01
184.23	-51.71	-55.44	4.89	-1.16	-13.00	-38.71
589.69	-48.13	-52.54	6.58	-2.17	-13.00	-35.13
730.34	-46.81	-52.04	7.37	-2.14	-13.00	-33.81
1422.00	-62.74	-67.01	7.78	-3.51	-13.00	-49.74

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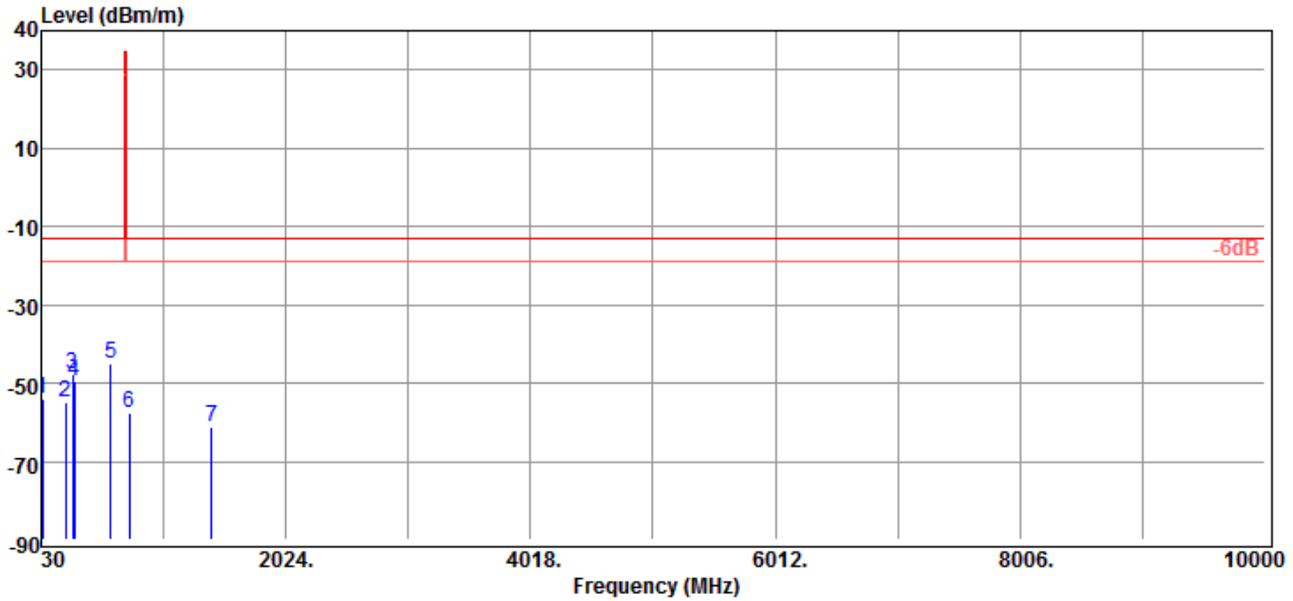
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Operation Mode	:LTEB17 QPSK RB1,49	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:711 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.67	-53.97	-41.96	-11.41	-0.60	-13.00	-40.97
225.94	-55.03	-59.16	5.47	-1.34	-13.00	-42.03
283.17	-47.77	-51.84	5.63	-1.56	-13.00	-34.77
298.69	-49.65	-53.86	5.83	-1.62	-13.00	-36.65
596.48	-44.90	-49.40	6.64	-2.14	-13.00	-31.90
746.83	-57.67	-63.00	7.40	-2.07	-13.00	-44.67
1422.00	-61.30	-65.57	7.78	-3.51	-13.00	-48.30

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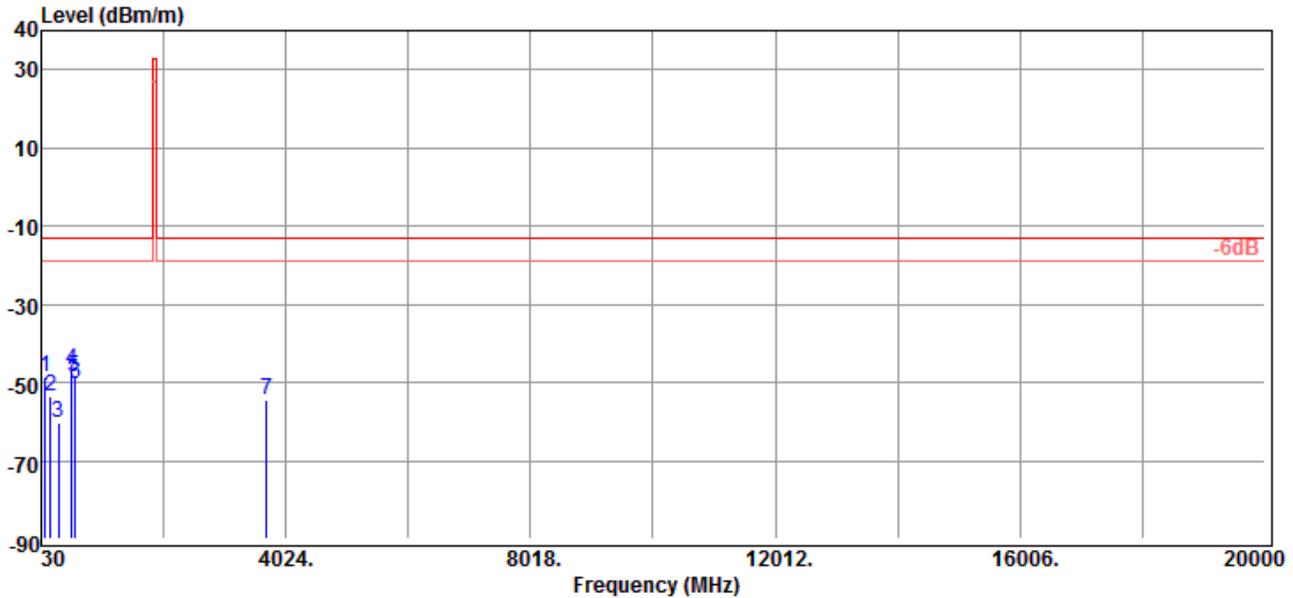
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**Radiated Spurious Emission Measurement Result: LTE-Band 25 (The Worst Case)**

Operation Mode	:LTE B25 1.4M QPSK RB1,5	Test Date	:2018-11-30
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1850.7 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
92.08	-48.71	-47.69	-0.20	-0.82	-13.00	-35.71
182.29	-53.66	-57.28	4.77	-1.15	-13.00	-40.66
307.42	-60.40	-64.57	5.84	-1.67	-13.00	-47.40
531.49	-46.60	-50.40	6.25	-2.45	-13.00	-33.60
565.44	-48.76	-52.84	6.36	-2.28	-13.00	-35.76
586.78	-50.28	-54.65	6.55	-2.18	-13.00	-37.28
3701.40	-54.36	-60.05	12.43	-6.74	-13.00	-41.36

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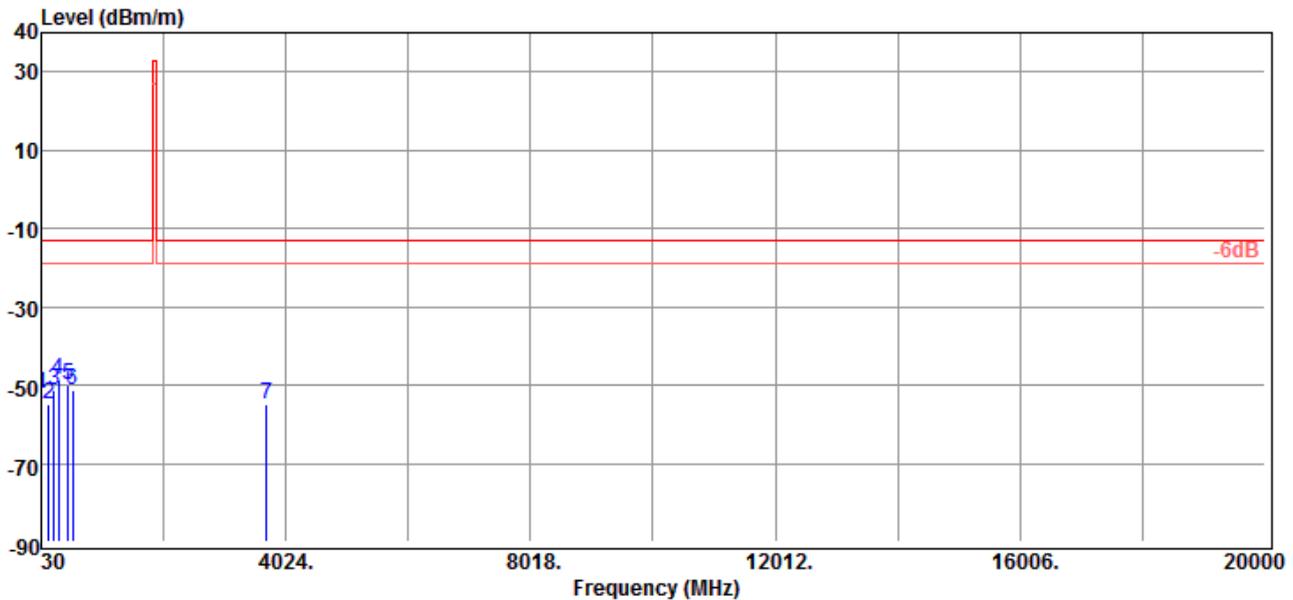
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Operation Mode	:LTE B25 1.4M QPSK RB1,5	Test Date	:2018-11-30
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1850.7 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-52.22	-34.29	-17.44	-0.49	-13.00	-39.22
148.34	-54.90	-56.34	2.44	-1.00	-13.00	-41.90
234.67	-51.44	-55.42	5.36	-1.38	-13.00	-38.44
306.45	-48.84	-53.02	5.84	-1.66	-13.00	-35.84
473.29	-49.78	-53.64	6.18	-2.32	-13.00	-36.78
546.04	-51.51	-55.37	6.23	-2.37	-13.00	-38.51
3701.40	-55.01	-60.70	12.43	-6.74	-13.00	-42.01

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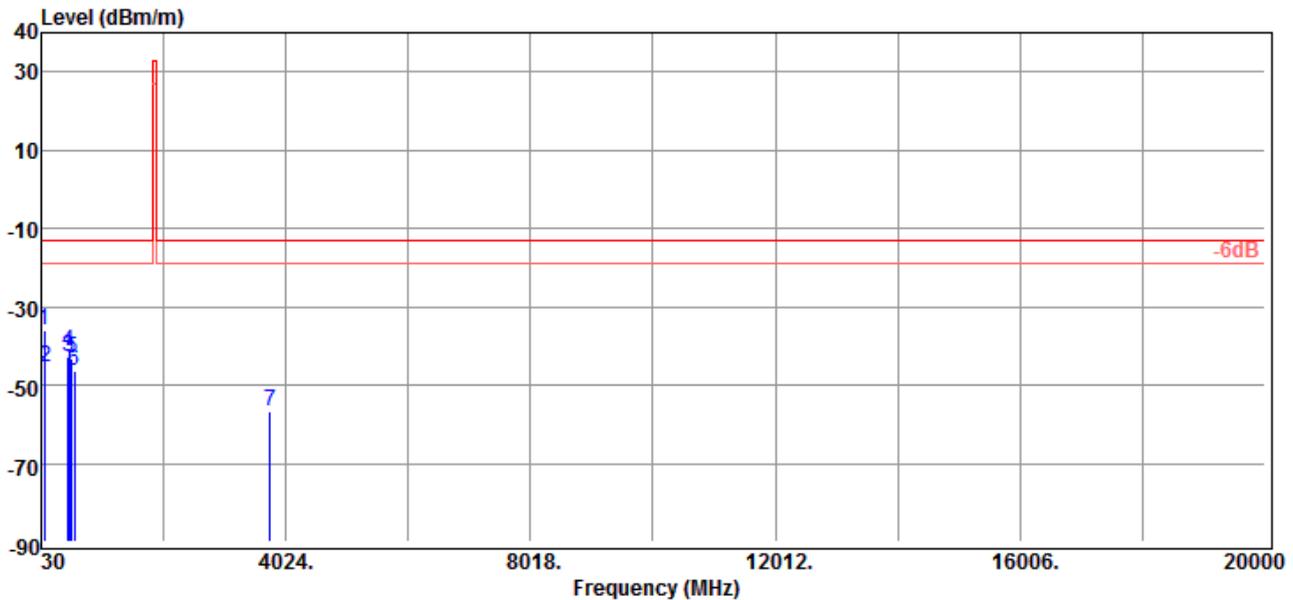
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Operation Mode	:LTE B25 1.4M QPSK RB1,5	Test Date	:2018-11-30
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1882.5 MHz	Engineer	:Enzo



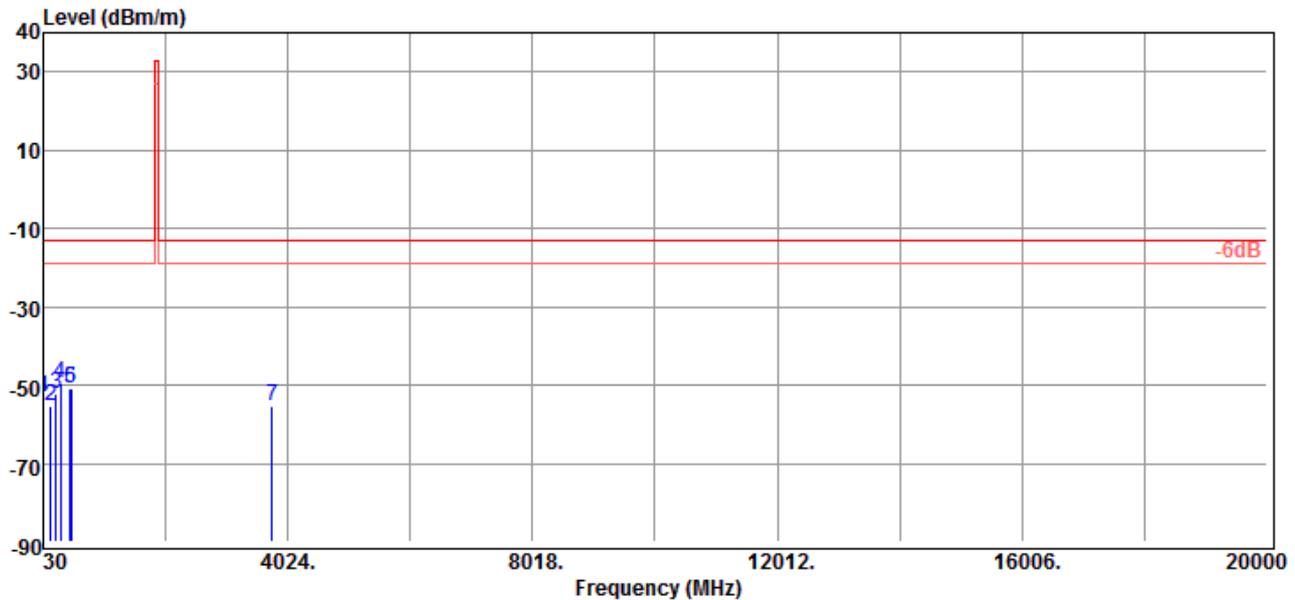
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
73.65	-35.82	-35.64	0.57	-0.75	-13.00	-22.82
93.05	-45.29	-44.17	-0.29	-0.83	-13.00	-32.29
465.53	-42.98	-46.89	6.14	-2.23	-13.00	-29.98
480.08	-41.48	-45.29	6.21	-2.40	-13.00	-28.48
522.76	-43.24	-47.00	6.26	-2.50	-13.00	-30.24
578.05	-46.35	-50.61	6.48	-2.22	-13.00	-33.35
3765.00	-56.57	-62.37	12.46	-6.66	-13.00	-43.57

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Operation Mode	:LTE B25 1.4M QPSK RB1,5	Test Date	:2018-11-30
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1882.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-52.98	-34.22	-18.29	-0.47	-13.00	-39.98
148.34	-55.59	-57.03	2.44	-1.00	-13.00	-42.59
232.73	-52.13	-56.14	5.38	-1.37	-13.00	-39.13
305.48	-49.63	-53.81	5.84	-1.66	-13.00	-36.63
467.47	-50.83	-54.72	6.15	-2.26	-13.00	-37.83
486.87	-50.77	-54.53	6.23	-2.47	-13.00	-37.77
3765.00	-55.34	-61.14	12.46	-6.66	-13.00	-42.34

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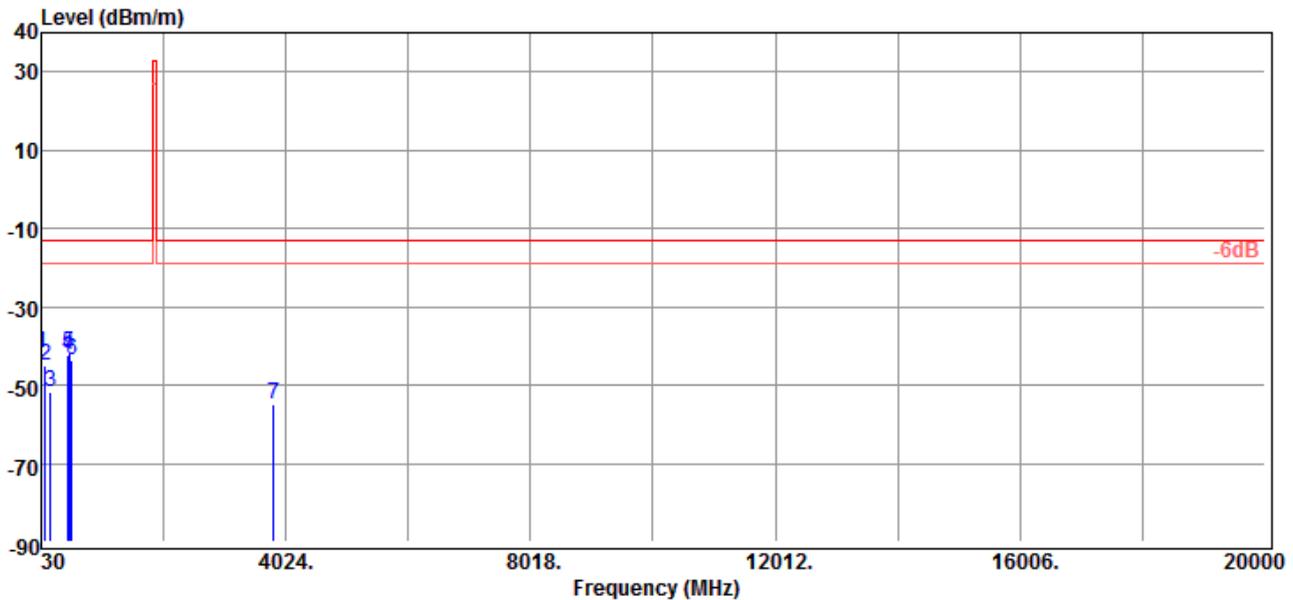
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Operation Mode	:LTE B25 1.4M QPSK RB1,5	Test Date	:2018-11-30
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1914.3 MHz	Engineer	:Enzo



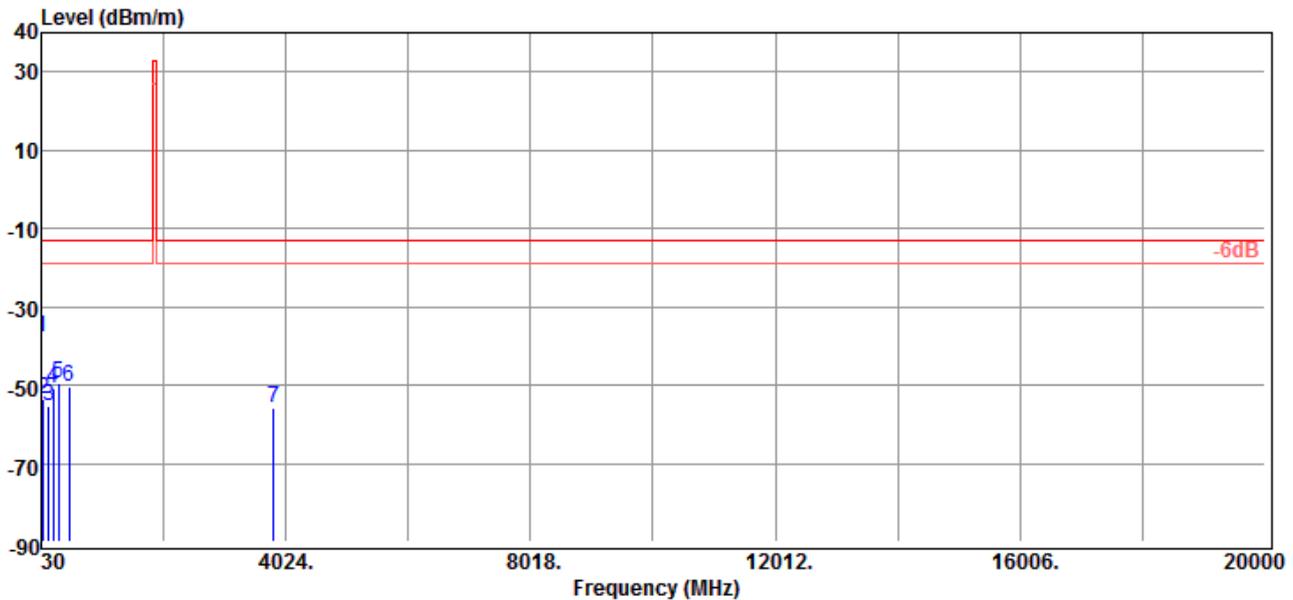
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
33.88	-41.73	-24.60	-16.63	-0.50	-13.00	-28.73
94.02	-45.22	-44.02	-0.37	-0.83	-13.00	-32.22
184.23	-51.95	-55.68	4.89	-1.16	-13.00	-38.95
472.32	-42.46	-46.32	6.17	-2.31	-13.00	-29.46
485.90	-41.68	-45.45	6.23	-2.46	-13.00	-28.68
524.70	-43.78	-47.54	6.25	-2.49	-13.00	-30.78
3828.60	-54.87	-60.79	12.50	-6.58	-13.00	-41.87

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Operation Mode	:LTE B25 1.4M QPSK RB1,5	Test Date	:2018-11-30
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1914.3 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
34.85	-37.93	-21.58	-15.83	-0.52	-13.00	-24.93
63.95	-53.42	-52.46	-0.28	-0.68	-13.00	-40.42
148.34	-55.23	-56.67	2.44	-1.00	-13.00	-42.23
229.82	-50.79	-54.85	5.42	-1.36	-13.00	-37.79
305.48	-49.30	-53.48	5.84	-1.66	-13.00	-36.30
485.90	-50.47	-54.24	6.23	-2.46	-13.00	-37.47
3828.60	-55.99	-61.91	12.50	-6.58	-13.00	-42.99

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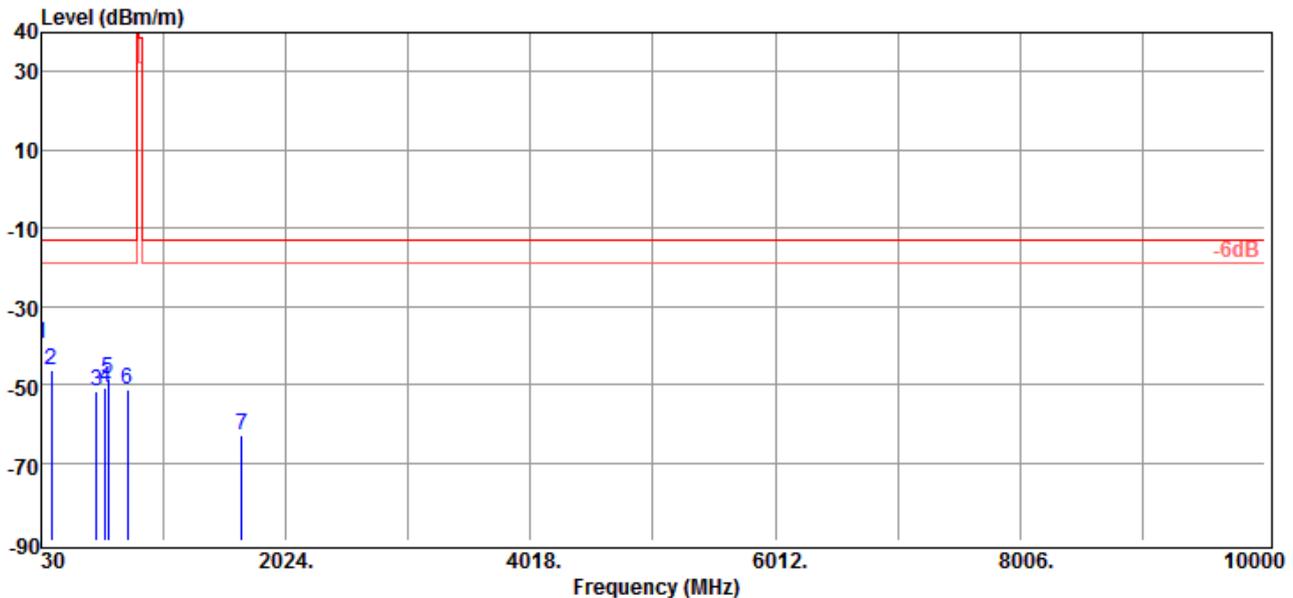
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### Radiated Spurious Emission Measurement Result: LTE-Band 26 (The Worst Case)

Operation Mode	:LTE B26 15M QPSK RB1,74	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:831.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-39.80	-21.04	-18.29	-0.47	-13.00	-26.80
109.54	-46.15	-45.14	-0.12	-0.89	-13.00	-33.15
480.08	-51.75	-55.56	6.21	-2.40	-13.00	-38.75
553.80	-50.84	-54.77	6.26	-2.33	-13.00	-37.84
576.11	-48.49	-52.72	6.46	-2.23	-13.00	-35.49
732.28	-51.36	-56.60	7.38	-2.14	-13.00	-38.36
1663.00	-62.90	-67.90	8.85	-3.85	-13.00	-49.90

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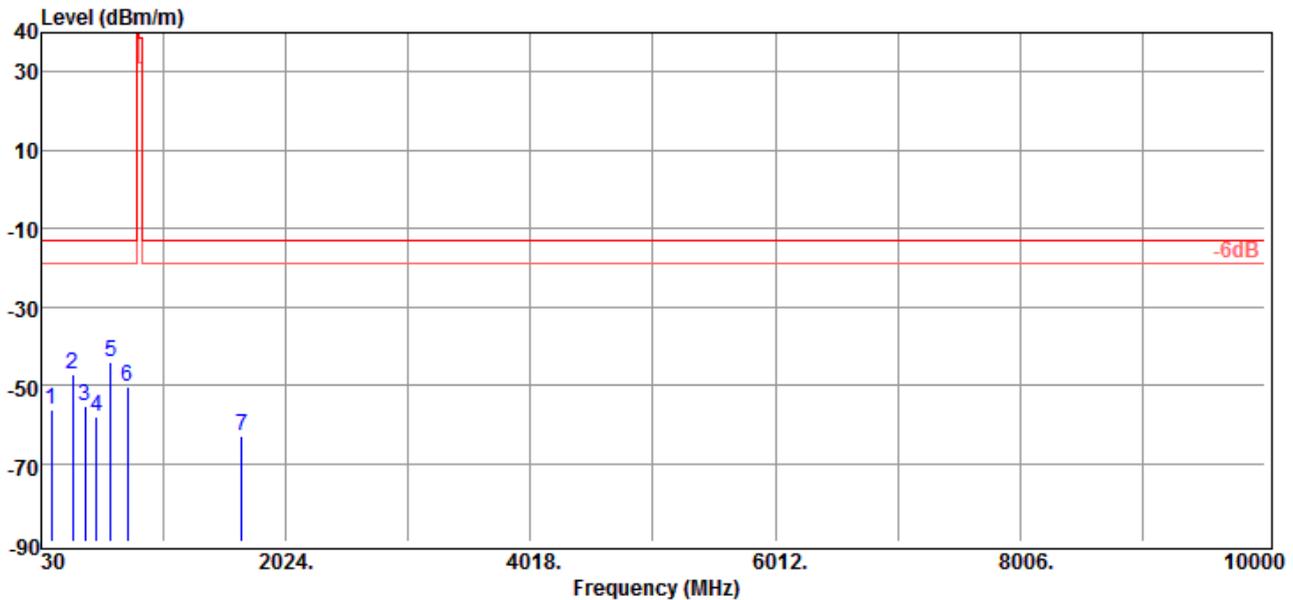
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Operation Mode	:LTE B26 15M QPSK RB1,74	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:831.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-56.38	-55.44	-0.05	-0.89	-13.00	-43.38
284.14	-47.20	-51.29	5.65	-1.56	-13.00	-34.20
388.90	-55.53	-59.11	5.60	-2.02	-13.00	-42.53
483.96	-58.22	-62.00	6.22	-2.44	-13.00	-45.22
594.54	-44.15	-48.62	6.62	-2.15	-13.00	-31.15
731.31	-50.40	-55.63	7.37	-2.14	-13.00	-37.40
1663.00	-62.81	-67.81	8.85	-3.85	-13.00	-49.81

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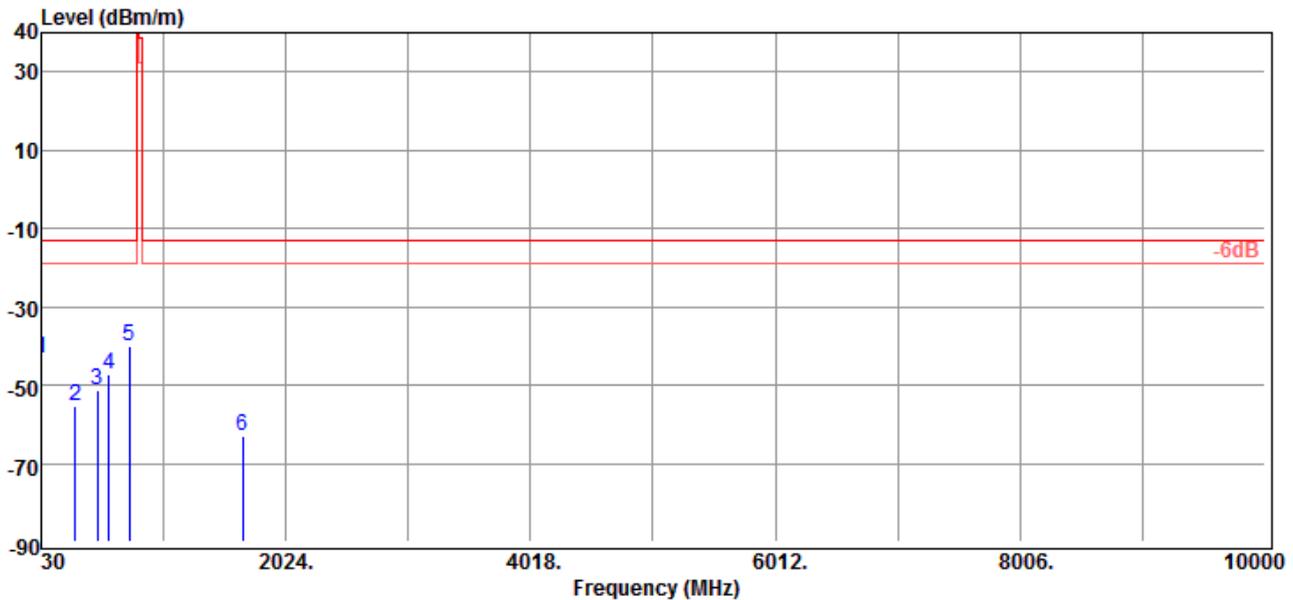
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Operation Mode	:LTE B26 15M QPSK RB1,74	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:836.5 MHz	Engineer	:Enzo



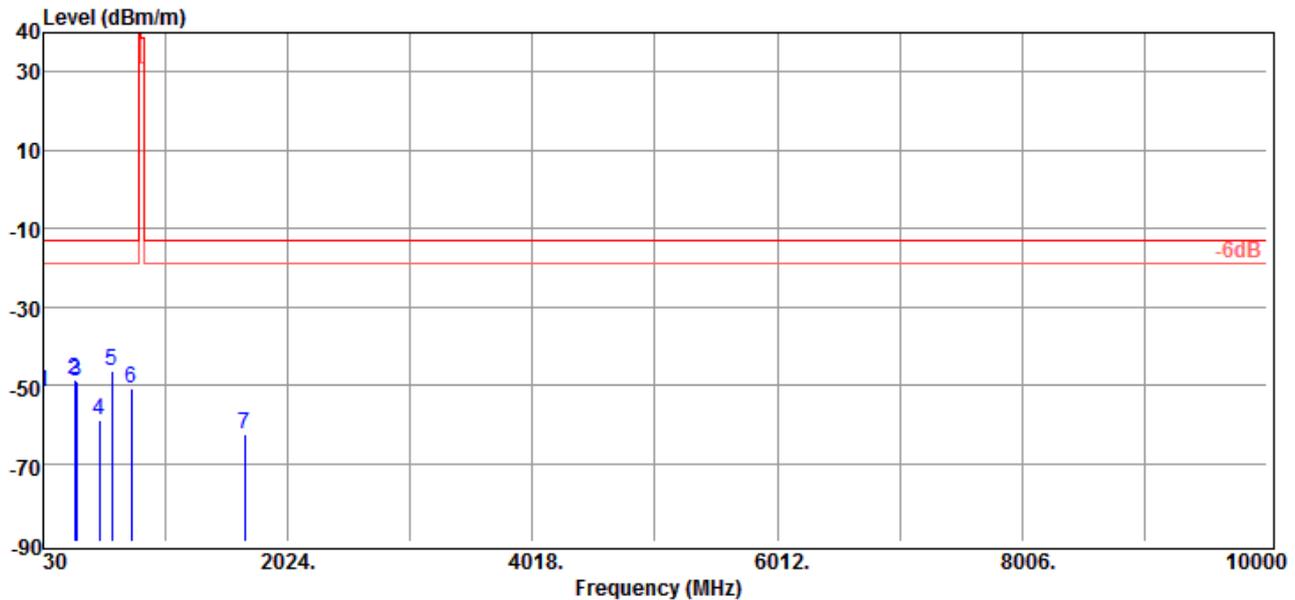
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-43.14	-25.21	-17.44	-0.49	-13.00	-30.14
306.45	-55.23	-59.41	5.84	-1.66	-13.00	-42.23
485.90	-51.33	-55.10	6.23	-2.46	-13.00	-38.33
579.99	-47.10	-51.38	6.49	-2.21	-13.00	-34.10
746.83	-40.13	-45.46	7.40	-2.07	-13.00	-27.13
1673.00	-63.16	-68.20	8.90	-3.86	-13.00	-50.16

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Operation Mode	:LTE B26 15M QPSK RB1,74	Test Date	:2018-12-05
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:836.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-51.69	-33.76	-17.44	-0.49	-13.00	-38.69
283.17	-48.67	-52.74	5.63	-1.56	-13.00	-35.67
303.54	-49.23	-53.44	5.85	-1.64	-13.00	-36.23
485.90	-59.06	-62.83	6.23	-2.46	-13.00	-46.06
587.75	-46.46	-50.84	6.56	-2.18	-13.00	-33.46
744.89	-50.66	-55.99	7.40	-2.07	-13.00	-37.66
1673.00	-62.45	-67.49	8.90	-3.86	-13.00	-49.45

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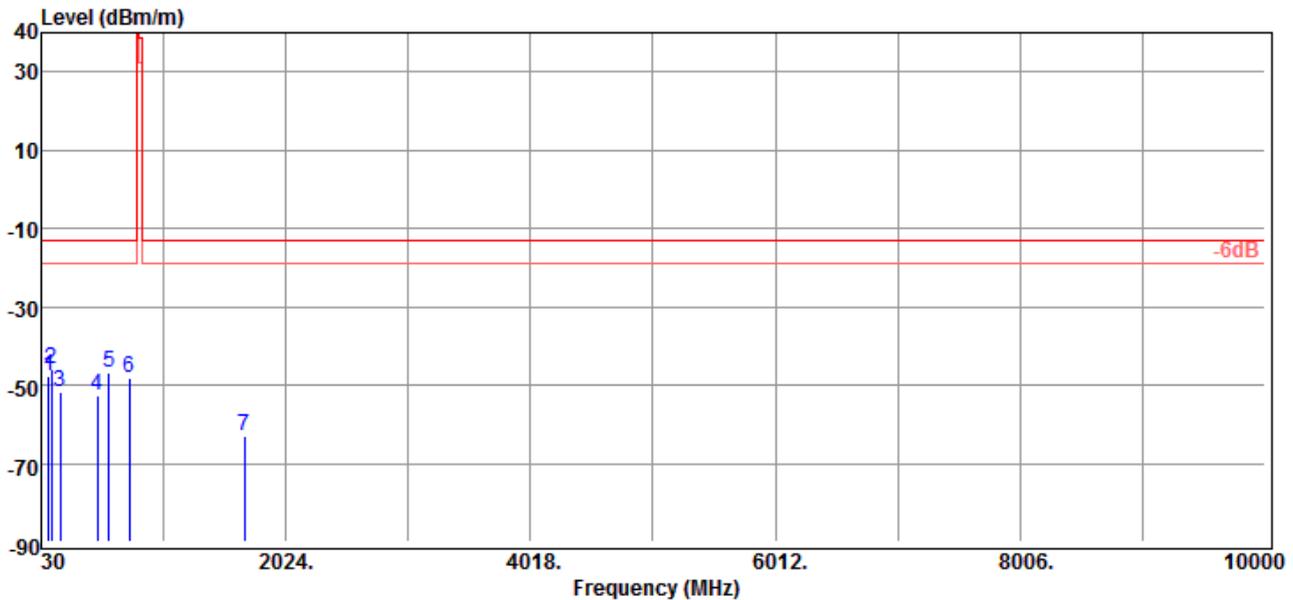
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Operation Mode	:LTE B26 15M QPSK RB1,74	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:841.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
92.08	-47.69	-46.67	-0.20	-0.82	-13.00	-34.69
110.51	-45.88	-44.94	-0.05	-0.89	-13.00	-32.88
183.26	-51.74	-55.41	4.83	-1.16	-13.00	-38.74
487.84	-52.53	-56.29	6.24	-2.48	-13.00	-39.53
583.87	-46.74	-51.08	6.53	-2.19	-13.00	-33.74
747.80	-48.17	-53.52	7.41	-2.06	-13.00	-35.17
1683.00	-62.92	-67.99	8.94	-3.87	-13.00	-49.92

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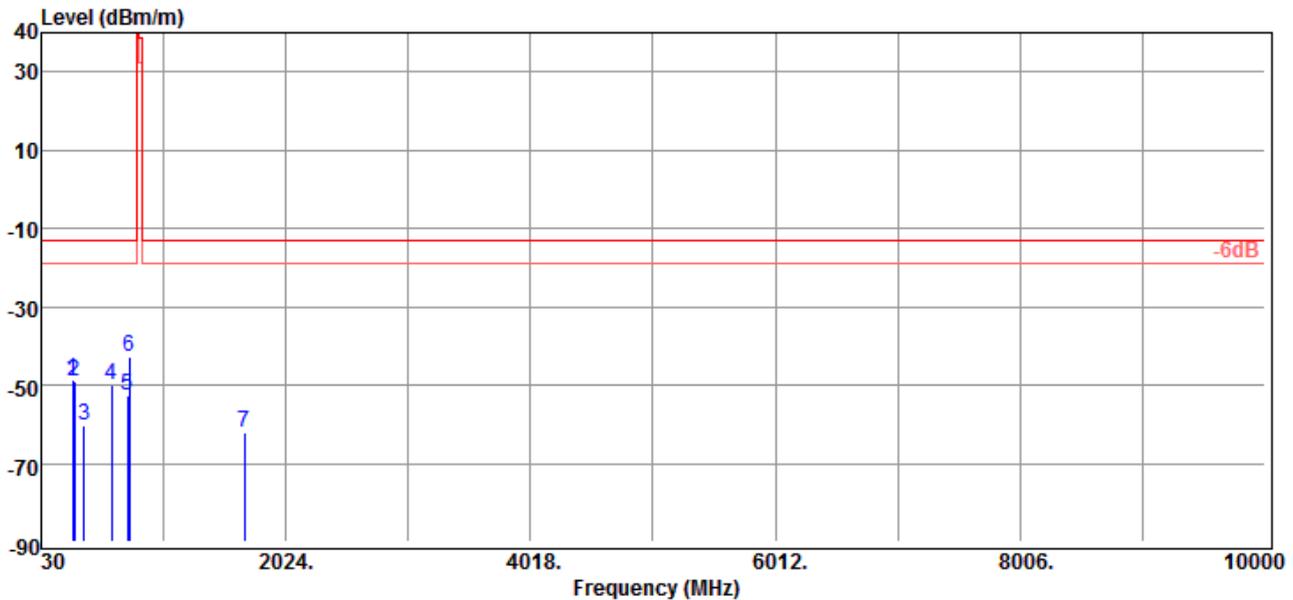
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Operation Mode	:LTE B26 15M QPSK RB1,74	Test Date	:2018-12-05
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:841.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
283.17	-48.62	-52.69	5.63	-1.56	-13.00	-35.62
302.57	-48.96	-53.17	5.85	-1.64	-13.00	-35.96
378.23	-60.51	-64.16	5.65	-2.00	-13.00	-47.51
603.27	-49.81	-54.34	6.68	-2.15	-13.00	-36.81
734.22	-52.75	-58.00	7.38	-2.13	-13.00	-39.75
746.83	-42.87	-48.20	7.40	-2.07	-13.00	-29.87
1683.00	-62.17	-67.24	8.94	-3.87	-13.00	-49.17

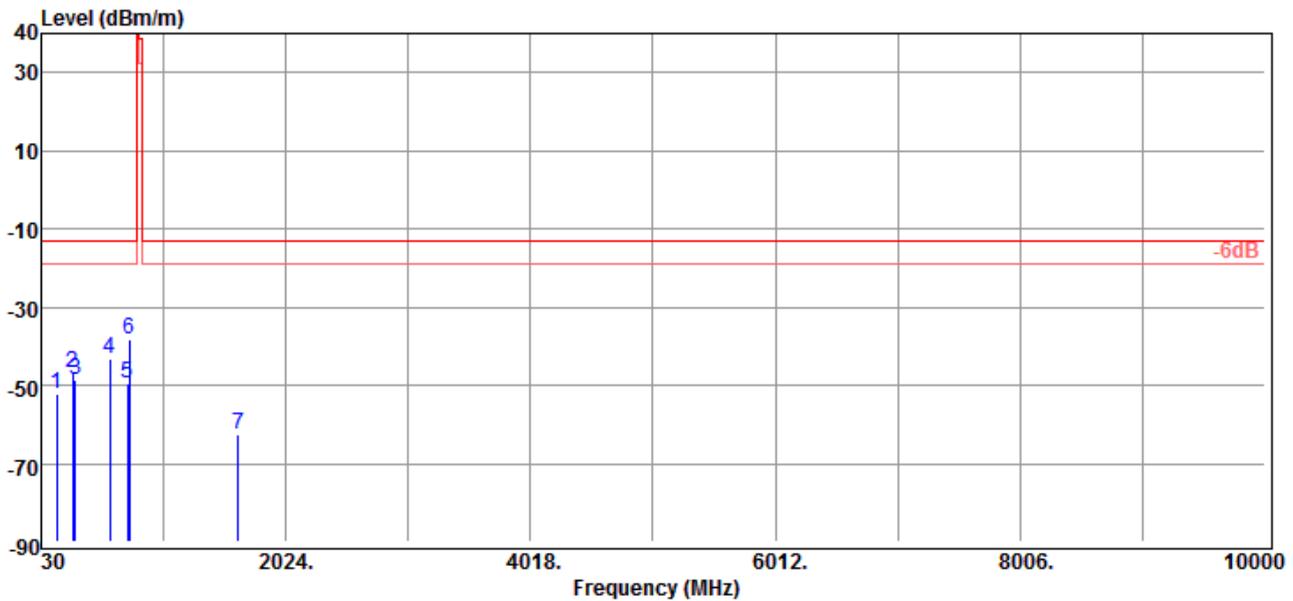
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### Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S (The Worst Case)

Operation Mode	:LTE Part90 5M QPSK RB1,24	Test Date	:2018-12-05
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:816.5 MHz	Engineer	:Enzo



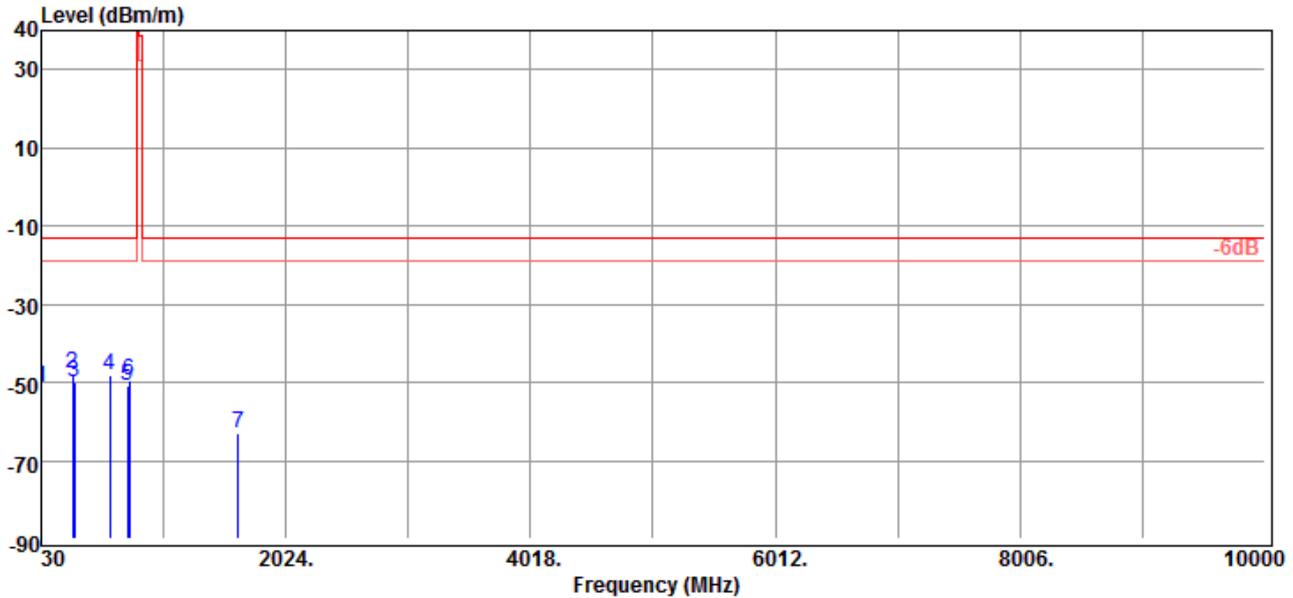
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
159.01	-52.32	-54.48	3.20	-1.04	-13.00	-39.32
283.17	-46.71	-50.78	5.63	-1.56	-13.00	-33.71
306.45	-48.76	-52.94	5.84	-1.66	-13.00	-35.76
589.69	-43.27	-47.68	6.58	-2.17	-13.00	-30.27
730.34	-49.30	-54.53	7.37	-2.14	-13.00	-36.30
746.83	-38.21	-43.54	7.40	-2.07	-13.00	-25.21
1633.00	-62.67	-67.58	8.72	-3.81	-13.00	-49.67

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Operation Mode	: LTE Part90 5M QPSK	Test Date	:2018-12-05
	RB1,24		
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:816.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-51.51	-33.58	-17.44	-0.49	-13.00	-38.51
283.17	-47.89	-51.96	5.63	-1.56	-13.00	-34.89
298.69	-50.18	-54.39	5.83	-1.62	-13.00	-37.18
589.69	-48.33	-52.74	6.58	-2.17	-13.00	-35.33
732.28	-50.69	-55.93	7.38	-2.14	-13.00	-37.69
747.80	-49.41	-54.76	7.41	-2.06	-13.00	-36.41
1633.00	-63.16	-68.07	8.72	-3.81	-13.00	-50.16

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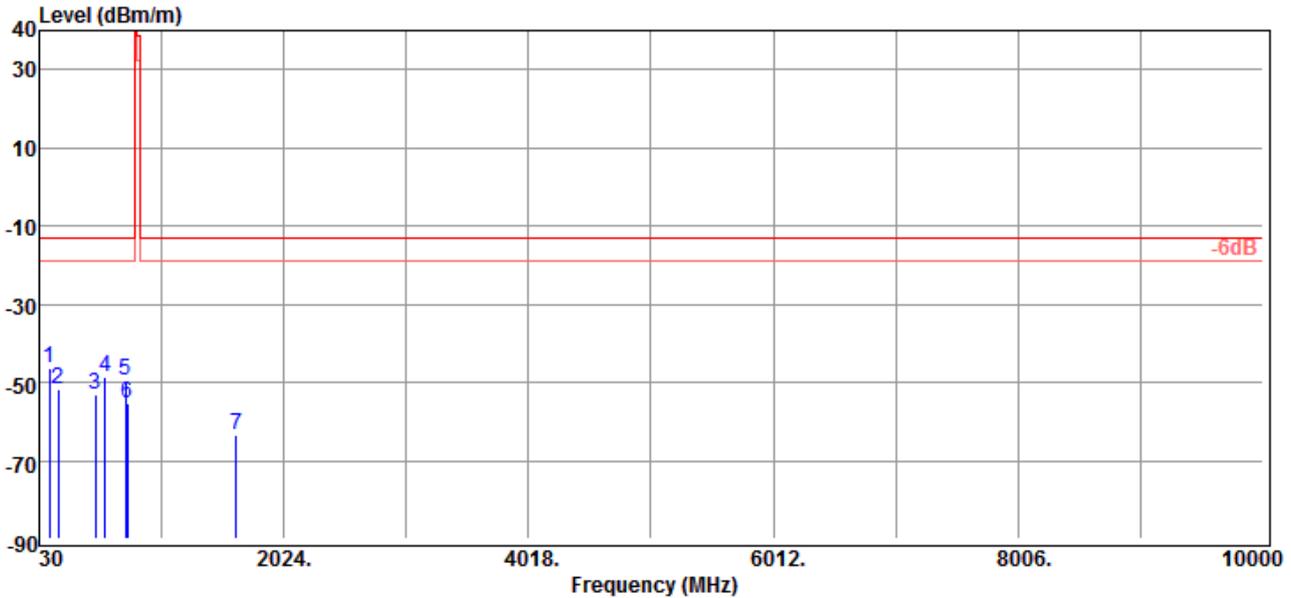
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Operation Mode	: LTE Part90 5M QPSK	Test Date	:2018-12-05
	RB1,24		
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:819 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-46.18	-45.24	-0.05	-0.89	-13.00	-33.18
184.23	-51.69	-55.42	4.89	-1.16	-13.00	-38.69
487.84	-53.25	-57.01	6.24	-2.48	-13.00	-40.25
565.44	-48.53	-52.61	6.36	-2.28	-13.00	-35.53
734.22	-49.64	-54.89	7.38	-2.13	-13.00	-36.64
746.83	-55.23	-60.56	7.40	-2.07	-13.00	-42.23
1638.00	-63.44	-68.36	8.74	-3.82	-13.00	-50.44

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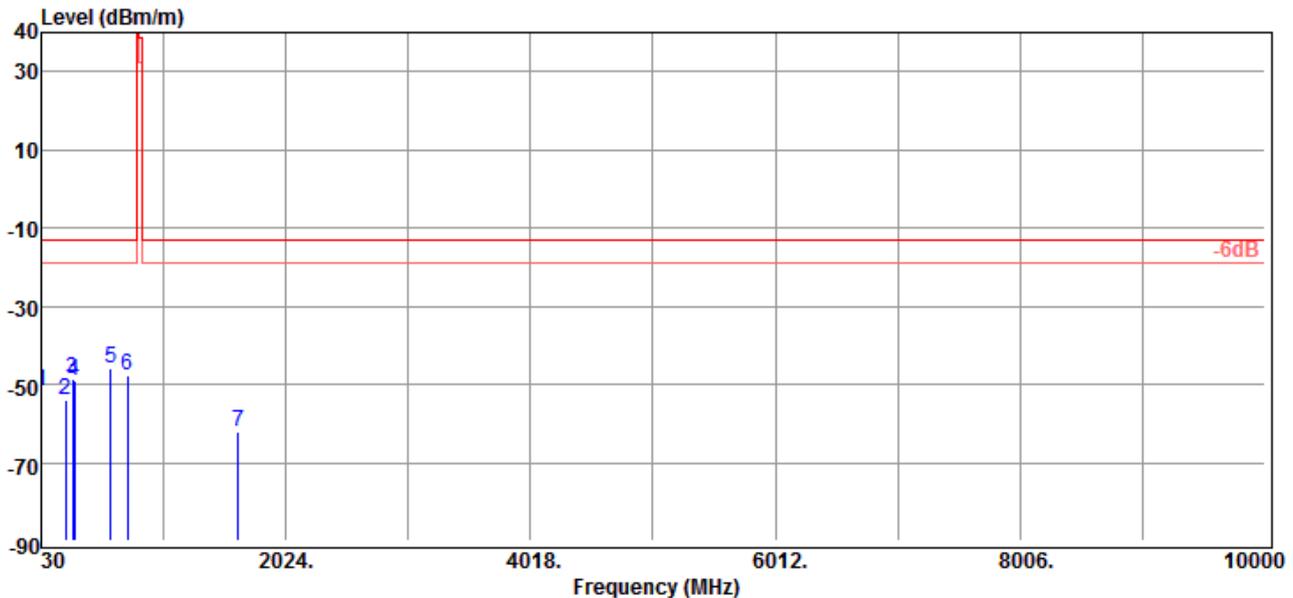
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Operation Mode	: LTE Part90 5M QPSK	Test Date	:2018-12-05
	RB1,24		
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:819 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-51.84	-33.91	-17.44	-0.49	-13.00	-38.84
229.82	-53.82	-57.88	5.42	-1.36	-13.00	-40.82
283.17	-48.49	-52.56	5.63	-1.56	-13.00	-35.49
303.54	-48.99	-53.20	5.85	-1.64	-13.00	-35.99
594.54	-45.80	-50.27	6.62	-2.15	-13.00	-32.80
730.34	-47.84	-53.07	7.37	-2.14	-13.00	-34.84
1638.00	-61.90	-66.82	8.74	-3.82	-13.00	-48.90

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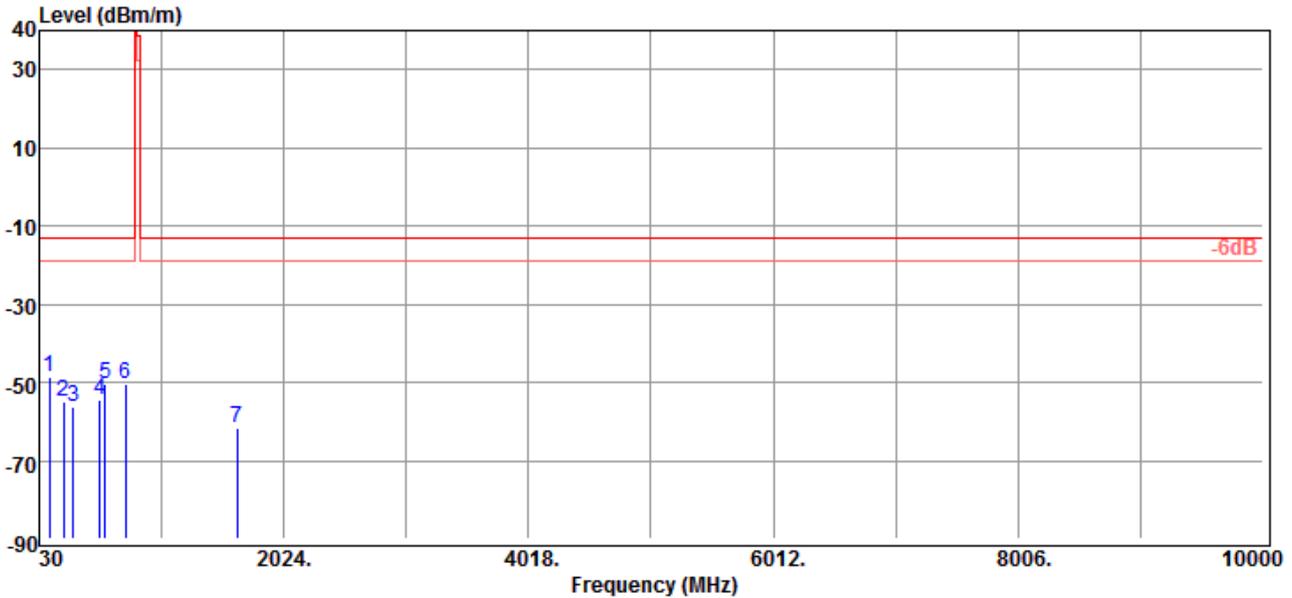
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Operation Mode	: LTE Part90 5M QPSK	Test Date	:2018-12-05
	RB1,24		
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:821.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
110.51	-48.51	-47.57	-0.05	-0.89	-13.00	-35.51
228.85	-55.01	-59.08	5.43	-1.36	-13.00	-42.01
309.36	-56.41	-60.57	5.84	-1.68	-13.00	-43.41
522.76	-54.53	-58.29	6.26	-2.50	-13.00	-41.53
569.32	-50.42	-54.56	6.40	-2.26	-13.00	-37.42
734.22	-50.55	-55.80	7.38	-2.13	-13.00	-37.55
1643.00	-61.61	-66.55	8.76	-3.82	-13.00	-48.61

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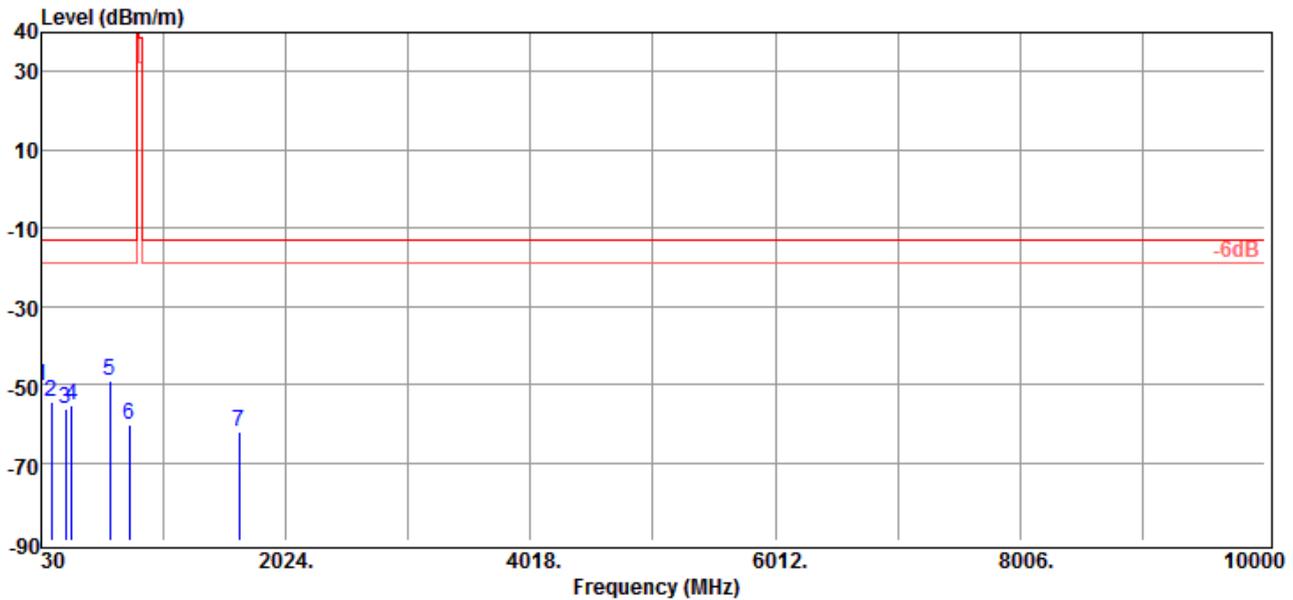
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Operation Mode	: LTE Part90 5M QPSK	Test Date	:2018-12-05
	RB1,24		
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:821.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-50.55	-31.79	-18.29	-0.47	-13.00	-37.55
110.51	-54.57	-53.63	-0.05	-0.89	-13.00	-41.57
230.79	-56.16	-60.21	5.41	-1.36	-13.00	-43.16
281.23	-55.54	-59.60	5.61	-1.55	-13.00	-42.54
587.75	-49.01	-53.39	6.56	-2.18	-13.00	-36.01
746.83	-60.45	-65.78	7.40	-2.07	-13.00	-47.45
1643.00	-62.00	-66.94	8.76	-3.82	-13.00	-49.00

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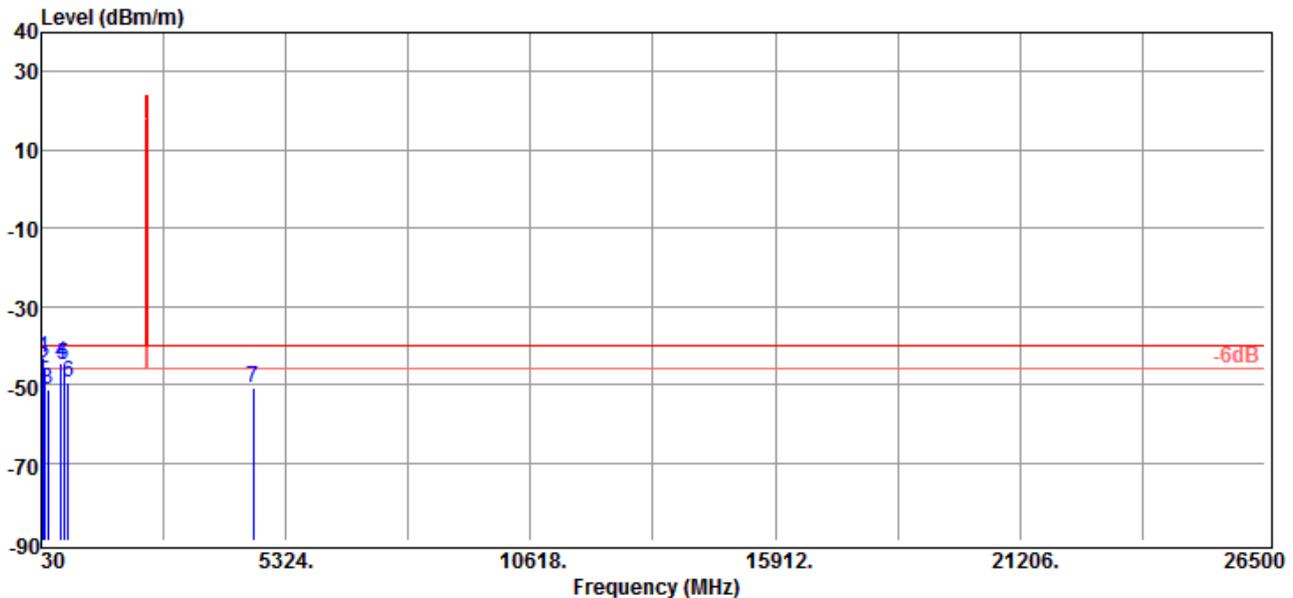
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### Radiated Spurious Emission Measurement Result: LTE-Band 30 (The Worst Case)

Operation Mode	:LTE B30 5M QPSK RB1,0	Test Date	:2018-11-30
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2307.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
68.80	-43.18	-42.82	0.36	-0.72	-40.00	-3.18
92.08	-46.13	-45.11	-0.20	-0.82	-40.00	-6.13
182.29	-51.45	-55.07	4.77	-1.15	-40.00	-11.45
466.50	-44.77	-48.68	6.15	-2.24	-40.00	-4.77
515.97	-45.00	-48.74	6.27	-2.53	-40.00	-5.00
605.21	-49.59	-54.12	6.69	-2.16	-40.00	-9.59
4615.00	-50.73	-56.76	12.58	-6.55	-40.00	-10.73

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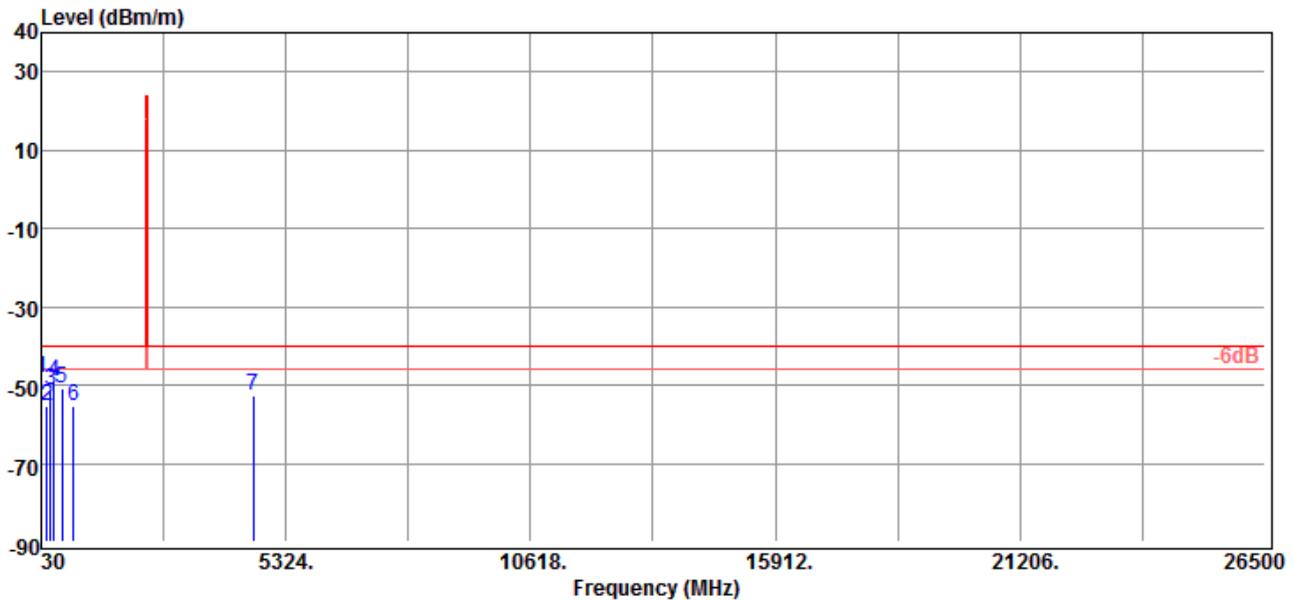
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Operation Mode	:LTE B30 5M QPSK RB1,0	Test Date	:2018-11-30
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2307.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.70	-48.28	-35.53	-12.16	-0.59	-40.00	-8.28
148.34	-55.18	-56.62	2.44	-1.00	-40.00	-15.18
230.79	-51.09	-55.14	5.41	-1.36	-40.00	-11.09
306.45	-48.93	-53.11	5.84	-1.66	-40.00	-8.93
482.99	-50.92	-54.71	6.22	-2.43	-40.00	-10.92
737.13	-55.44	-60.71	7.38	-2.11	-40.00	-15.44
4615.00	-52.52	-58.55	12.58	-6.55	-40.00	-12.52

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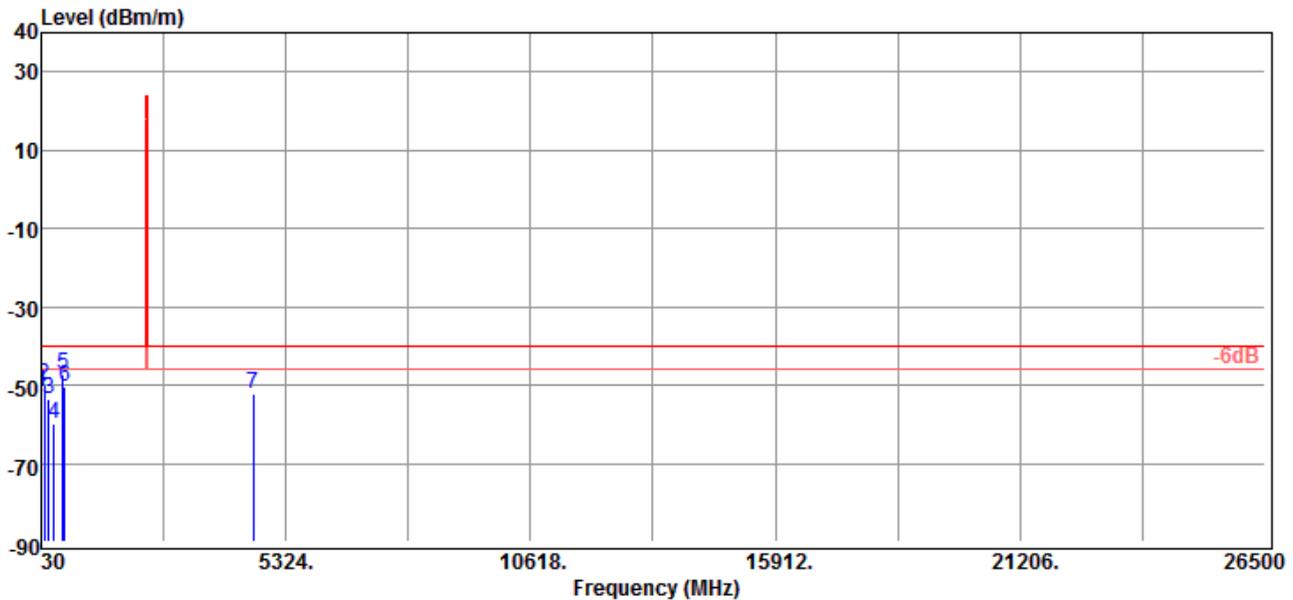
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Operation Mode	:LTE B30 5M QPSK RB1,0	Test Date	:2018-11-30
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E1 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2310 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.00	-51.60	-31.11	-20.05	-0.44	-40.00	-11.60
95.96	-50.01	-48.62	-0.55	-0.84	-40.00	-10.01
184.23	-53.42	-57.15	4.89	-1.16	-40.00	-13.42
310.33	-59.87	-64.02	5.84	-1.69	-40.00	-19.87
501.42	-47.24	-50.92	6.29	-2.61	-40.00	-7.24
537.31	-50.44	-54.26	6.24	-2.42	-40.00	-10.44
4620.00	-52.17	-58.19	12.58	-6.56	-40.00	-12.17

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