

30MHz~3GHz Band38 15MHz QPSK 1 0 MidCH38000-2595



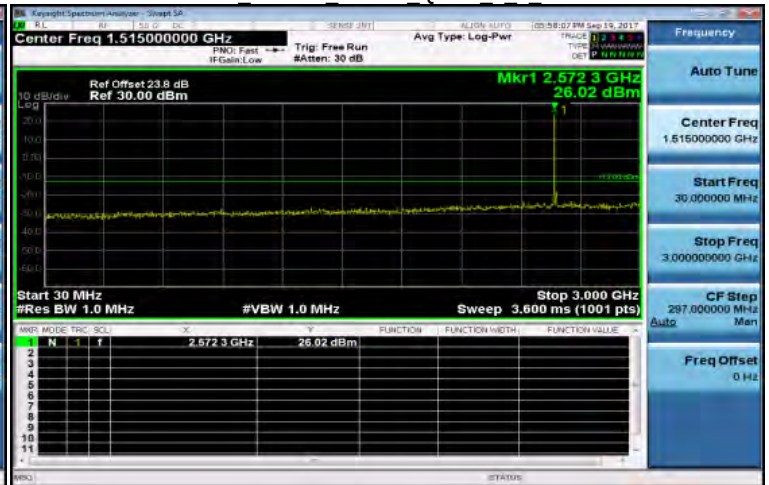
3GHz~10GHz Band38 15MHz QPSK 1 0 HighCH38175-2612.5



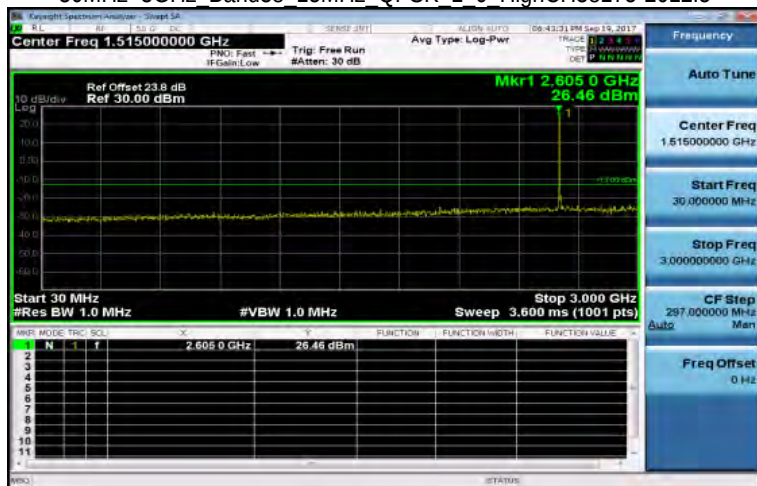
3GHz~10GHz Band38 15MHz QPSK 1 0 MidCH38000-2595



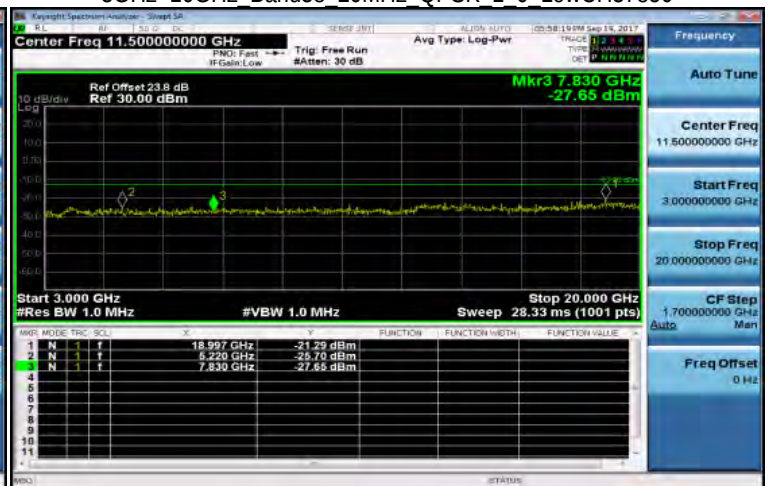
30MHz~3GHz Band38 20MHz QPSK 1 0 LowCH37850



30MHz~3GHz Band38 15MHz QPSK 1 0 HighCH38175-2612.5



3GHz~10GHz Band38 20MHz QPSK 1 0 LowCH37850



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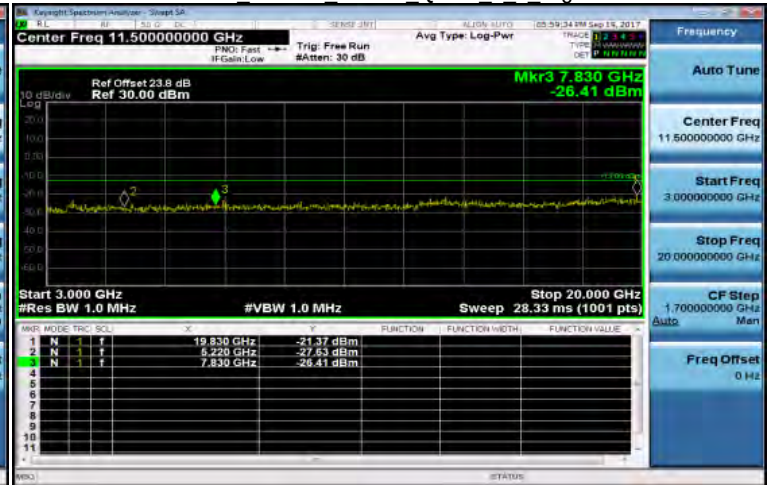
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30MHz~3GHz Band38 20MHz QPSK 1 0 MidCH38000



3GHz~10GHz Band38 20MHz QPSK 1 0 HighCH38150



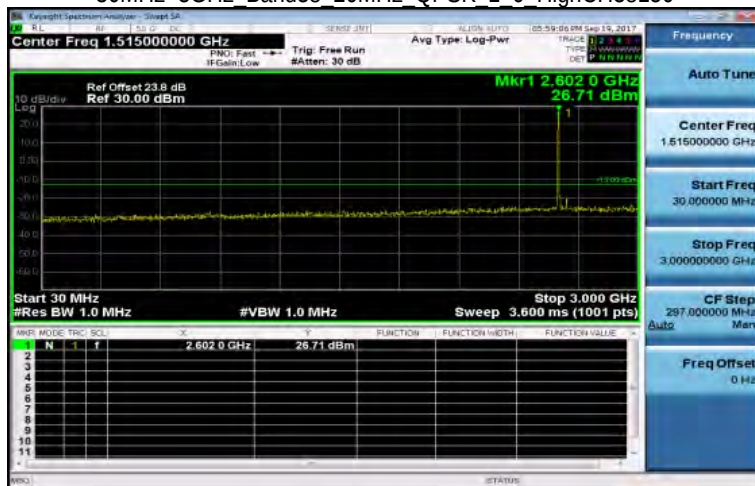
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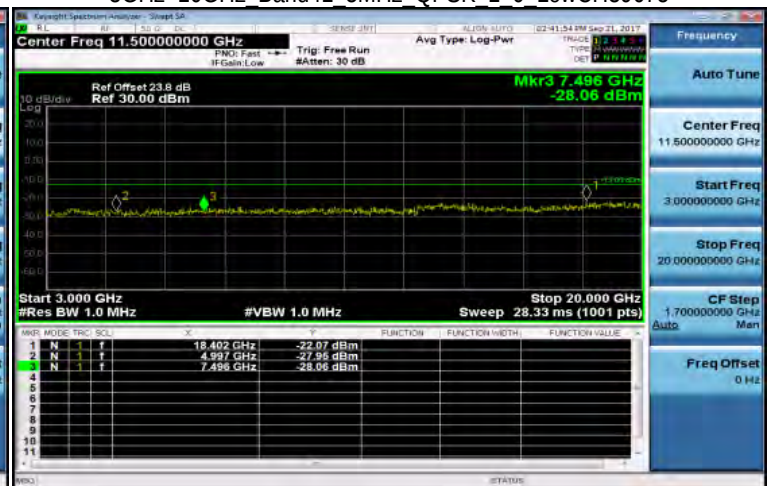
30MHz~3GHz Band41 5MHz QPSK 1 0 LowCH39675



30MHz~3GHz Band38 20MHz QPSK 1 0 HighCH38150



3GHz~10GHz Band41 5MHz QPSK 1 0 LowCH39675



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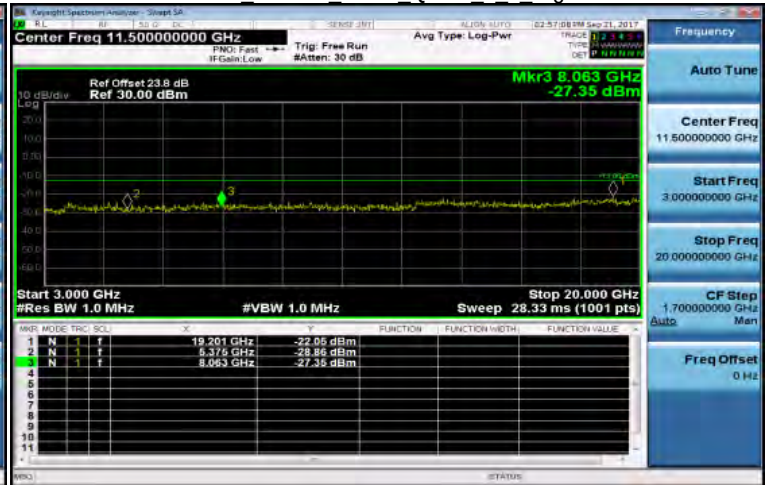
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30MHz~3GHz Band41 5MHz QPSK 1 0 MidCH40620



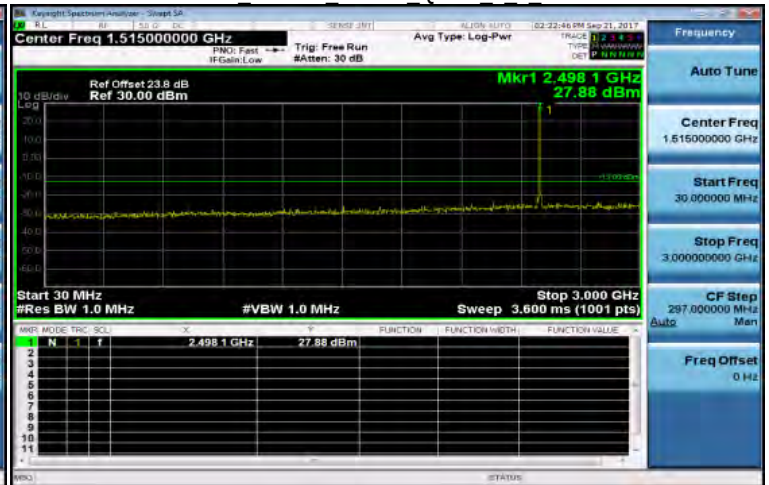
3GHz~10GHz Band41 5MHz QPSK 1 0 HighCH41565



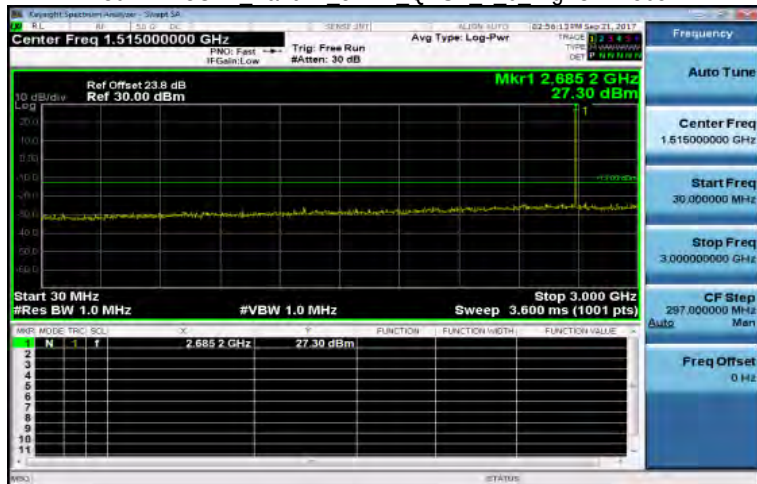
3GHz~10GHz Band41 5MHz QPSK 1 0 MidCH40620



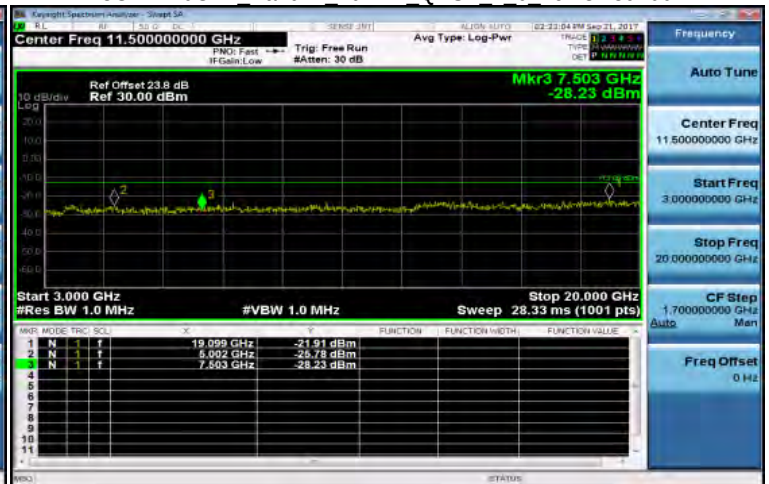
30MHz~3GHz Band41 10MHz QPSK 1 0 LowCH39700



30MHz~3GHz Band41 5MHz QPSK 1 0 HighCH41565



3GHz~10GHz Band41 10MHz QPSK 1 0 LowCH39700



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30MHz~3GHz Band41 10MHz QPSK 1 0 MidCH40620



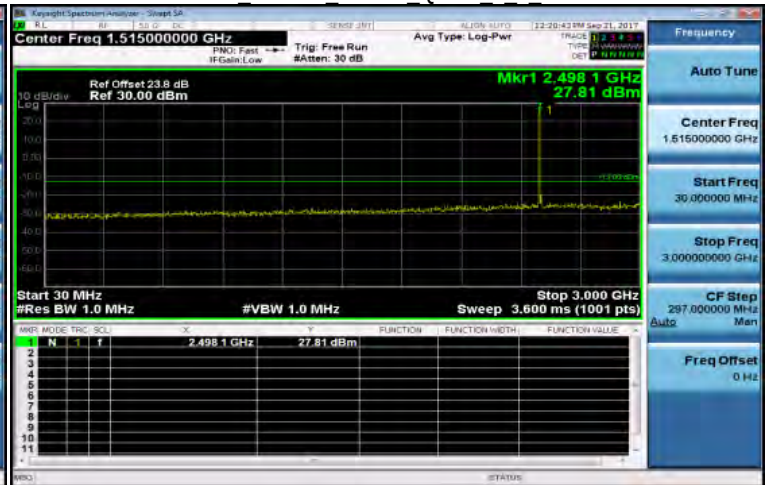
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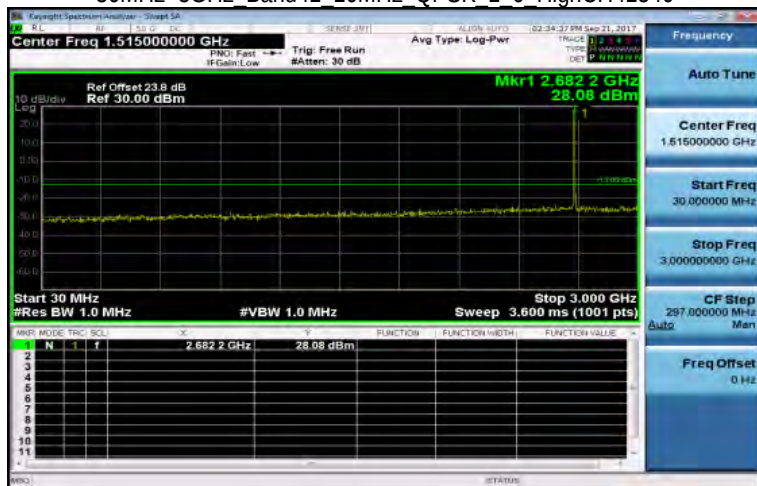
3GHz~10GHz Band41 10MHz QPSK 1 0 MidCH40620



30MHz~3GHz Band41 15MHz QPSK 1 0 LowCH39725



30MHz~3GHz Band41 10MHz QPSK 1 0 HighCH41540



3GHz~10GHz Band41 15MHz QPSK 1 0 LowCH39725



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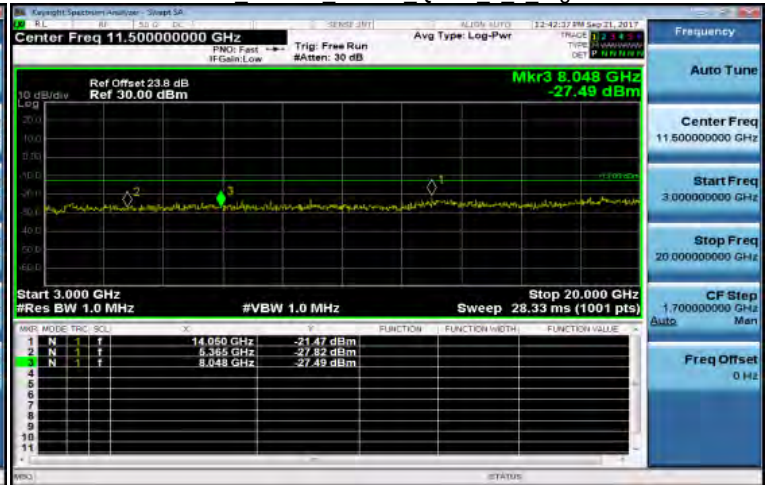
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30MHz~3GHz Band41 15MHz QPSK 1 0 MidCH40620



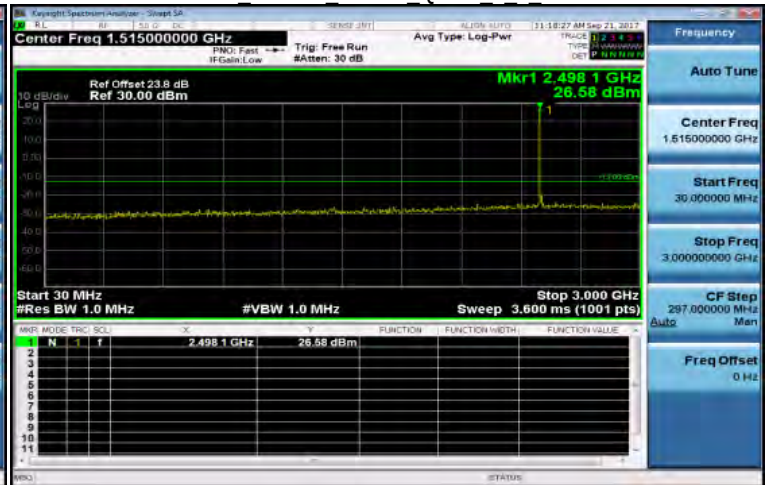
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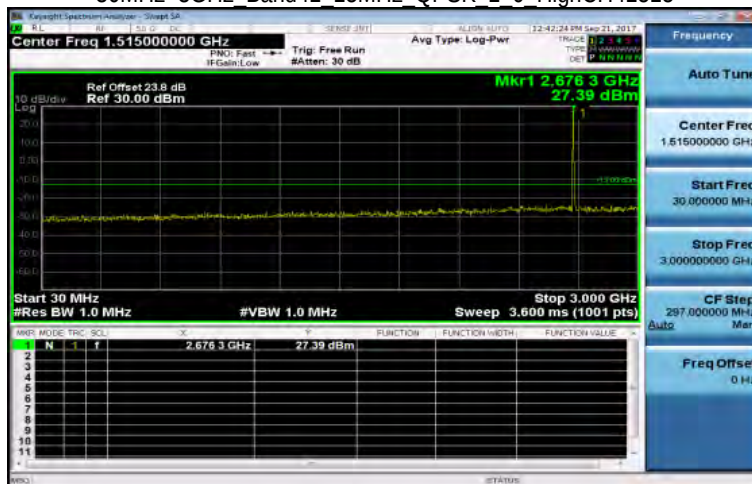
3GHz~10GHz Band41 15MHz QPSK 1 0 MidCH40620



30MHz~3GHz Band41 20MHz QPSK 1 0 LowCH39750



30MHz~3GHz Band41 15MHz QPSK 1 0 HighCH41515



3GHz~10GHz Band41 20MHz QPSK 1 0 LowCH39750



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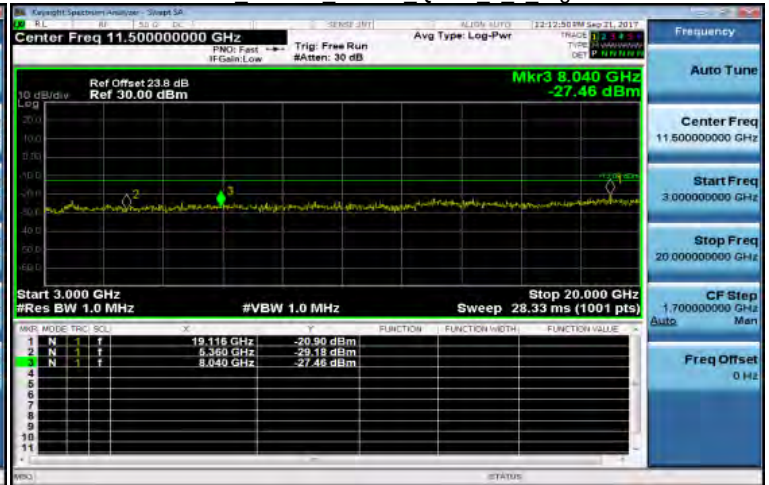
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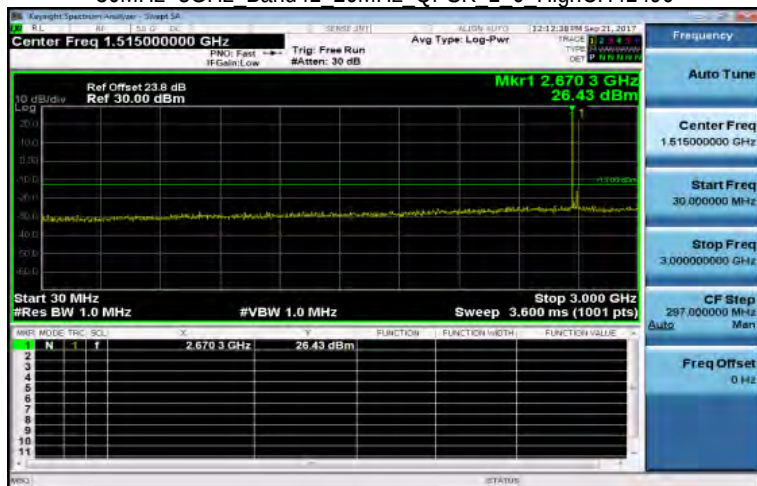
3GHz~10GHz Band41 20MHz QPSK 1 0 HighCH41490



3GHz~10GHz Band41 20MHz QPSK 1 0 MidCH40620



30MHz~3GHz Band41 20MHz QPSK 1 0 HighCH41490



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10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1. Standard Applicable

According to FCC §2.1053,

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

§27.53 (c)

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

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

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

FCC §27.53(c) (5) & FCC §27.53(g)

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

FCC §27.53(h) (3)

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

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FCC §27.53(m) (4) (6)

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

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

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According to RSS-130 §4.6

The power of any unwanted emissions in any 100 kHz bandwidth on any frequency outside the frequency range(s) within which the equipment is designed to operate shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside the equipment's operating frequency range, a resolution bandwidth of 30 kHz may be employed.

In addition to the limit outlined in Section 4.6.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

(a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power,

P (dBW), by at least:

- (i) $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment, and
- (ii) $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment.

According to RSS-132 §5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

(i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).

(ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

According to RSS-133 §6.5.1

Equipment shall comply with the limits in (i) and (ii) below.

(i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).

(ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

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According to RSS-139 §6.5

- (i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.
- (ii) After the first 1.0 MHz outside the equipment's operating frequency block, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

According to RSS-195 §5.6.2

The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, P (dBW), by the amount indicated in Table 2 and graphically represented in Figure 2, where p is the transmitter output power measured in watts.

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

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

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 5.2 for the permitted frequency ranges for various equipment types.

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According to RSS-199 §4.6

Equipment shall comply with the following unwanted emission limits:

- (a) for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$.
- (b) for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:
 - (i) $40 + 10 \log_{10} p$ from the channel edges to 5 MHz away
 - (ii) $43 + 10 \log_{10} p$ between 5 MHz and X MHz from the channel edges, and
 - (iii) $55 + 10 \log_{10} p$ at X MHz and beyond from the channel edges

In addition, the attenuation shall not be less than $43 + 10 \log_{10} p$ on all frequencies between 2490.5 MHz and 2496 MHz, and $55 + 10 \log_{10} p$ at or below 2490.5 MHz.

In (a) and (b), p is the transmitter power measured in watts and X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

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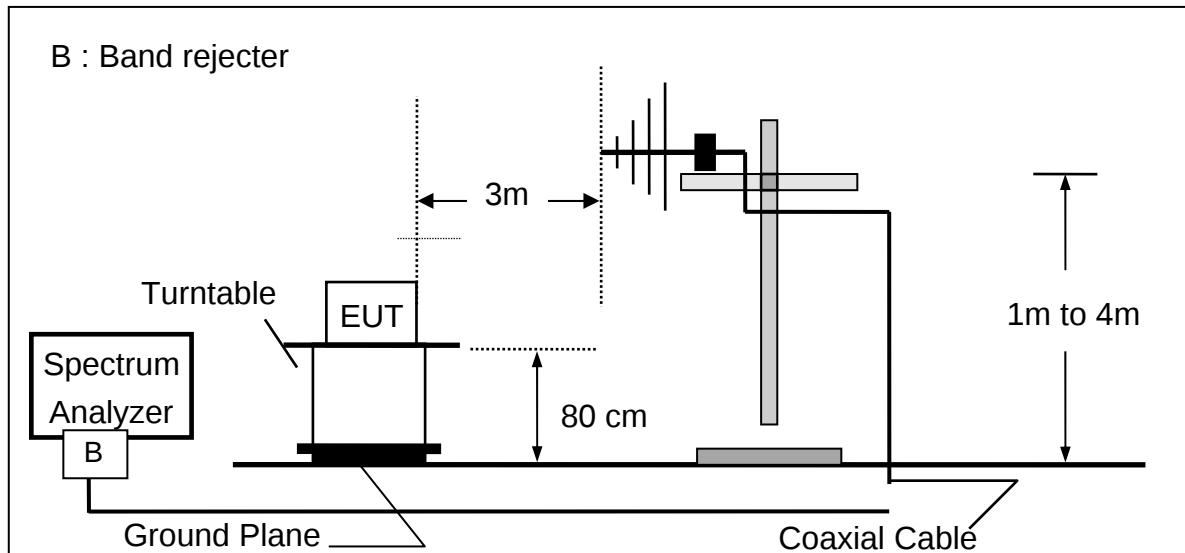
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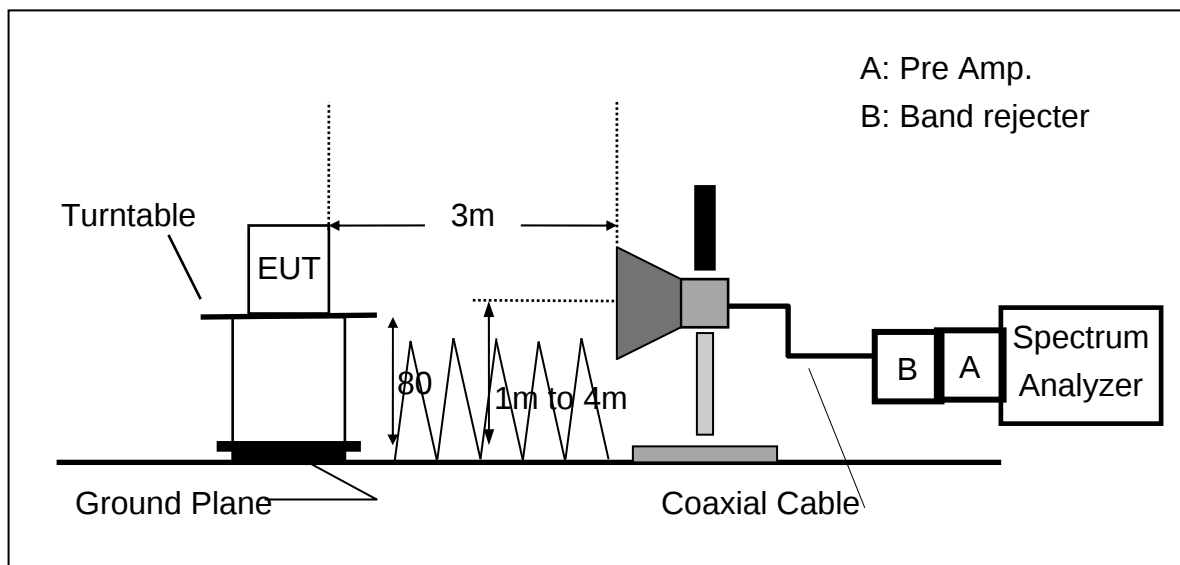
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10.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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10.3. Measurement Procedure:

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

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

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

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

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

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

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10.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2016	11/02/2017
Broadband Antenna	TESEQ	CBL 6112D	35243	11/09/2016	11/08/2017
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2016	12/16/2017
Horn Antenna	ETS-Lindgren	3117	143279	11/14/2016	11/13/2017
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2016	12/10/2017
Horn Antenna	Schwarzbeck	BBHA9170	185	08/01/2017	07/31/2018
Pre Amplifier	EMC Instruments	EMC330	980096	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-18	10204	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-26	100780	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC184045B	980135	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF27	12/12/2016	12/11/2017
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

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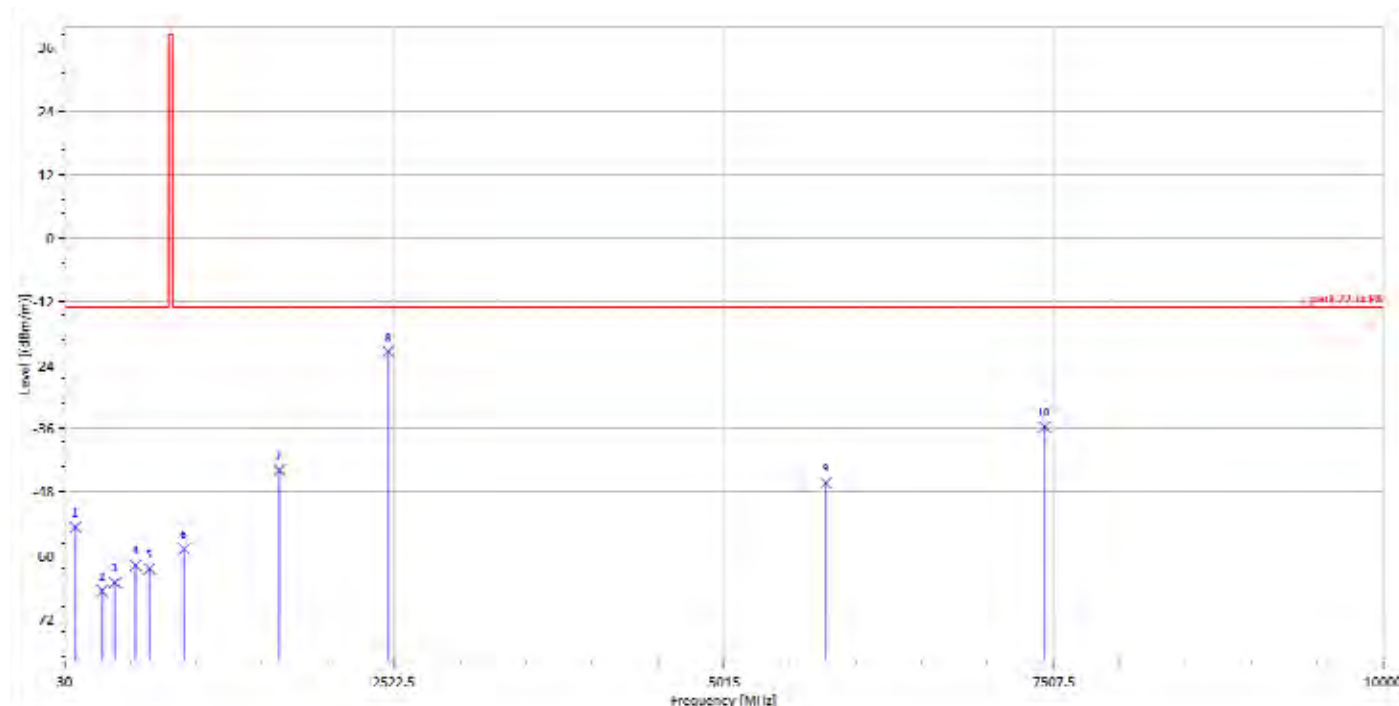
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10.5. Measurement Result:

Radiated Spurious Emission Measurement Result: GPRS 850 Mode (The Worst Case)

Operation Mode :	GPRS850	Test Date :	2017/9/28
Fundamental Frequency :	824.2 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
113.42	S	-54.55	-49.59	-3.49	-1.47	-13	-41.55
319.06	S	-66.69	-67.61	3.48	-2.56	-13	-53.69
414.12	S	-65.18	-65.57	3.32	-2.93	-13	-52.18
566.41	S	-61.90	-62.53	4.08	-3.45	-13	-48.90
673.11	S	-62.51	-63.59	4.82	-3.75	-13	-49.51
937.92	S	-58.74	-59.62	5.37	-4.49	-13	-45.74
1652.80	H	-43.83	-43.96	6.59	-6.46	-13	-30.83
2479.20	H	-21.47	-22.20	8.53	-7.81	-13	-8.47
5784.80	H	-46.27	-46.65	10.91	-10.53	-13	-33.27
7437.60	H	-35.76	-33.47	9.24	-11.52	-13	-22.76

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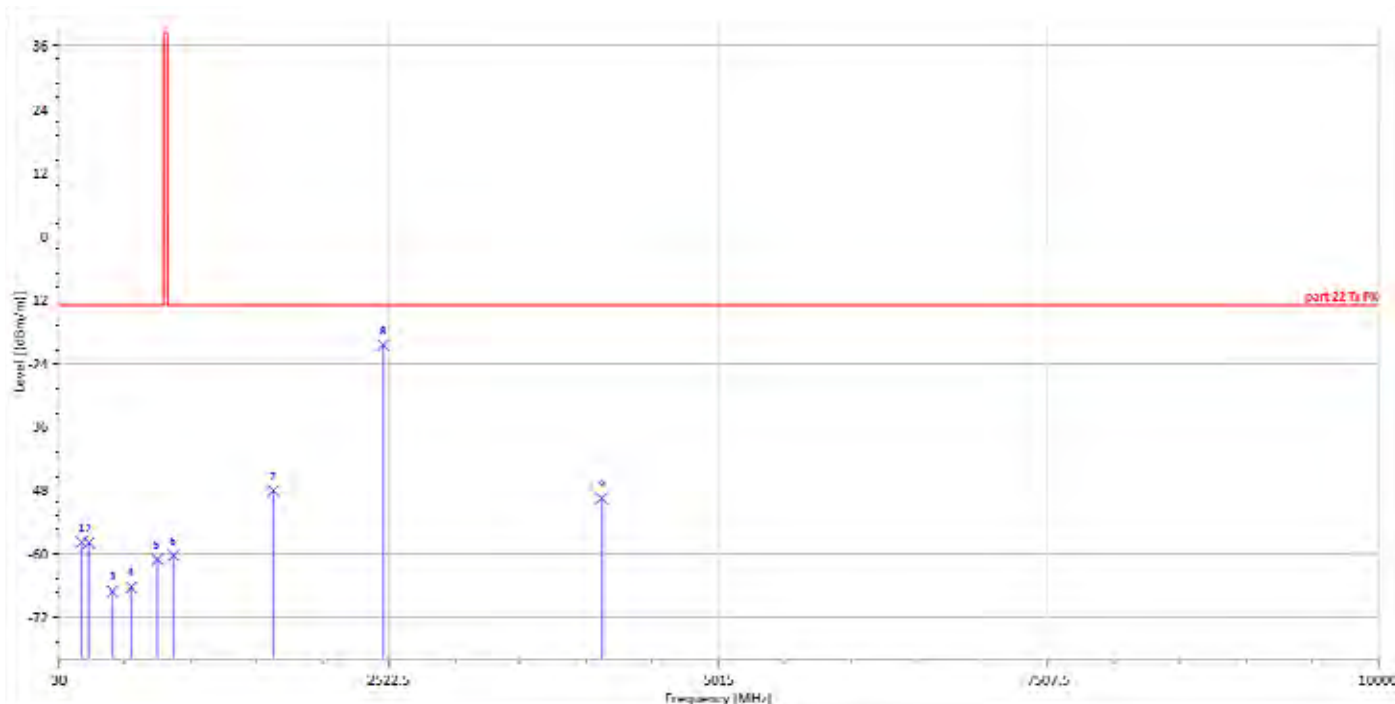
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Operation Mode : GPRS850 Test Date : 2017/9/28
Fundamental Frequency : 824.2 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
199.75	S	-57.79	-59.59	3.79	-1.99	-13	-44.79
254.07	S	-57.93	-58.17	2.51	-2.27	-13	-44.93
435.46	S	-67.13	-67.63	3.50	-3.00	-13	-54.13
579.02	S	-66.39	-67.07	4.17	-3.49	-13	-53.39
772.05	S	-61.12	-62.29	5.19	-4.02	-13	-48.12
896.21	S	-60.37	-61.19	5.23	-4.40	-13	-47.37
1652.80	H	-48.13	-48.26	6.59	-6.46	-13	-35.13
2479.20	H	-20.62	-21.34	8.53	-7.81	-13	-7.62
4132.00	H	-49.59	-50.78	10.45	-9.26	-13	-36.59

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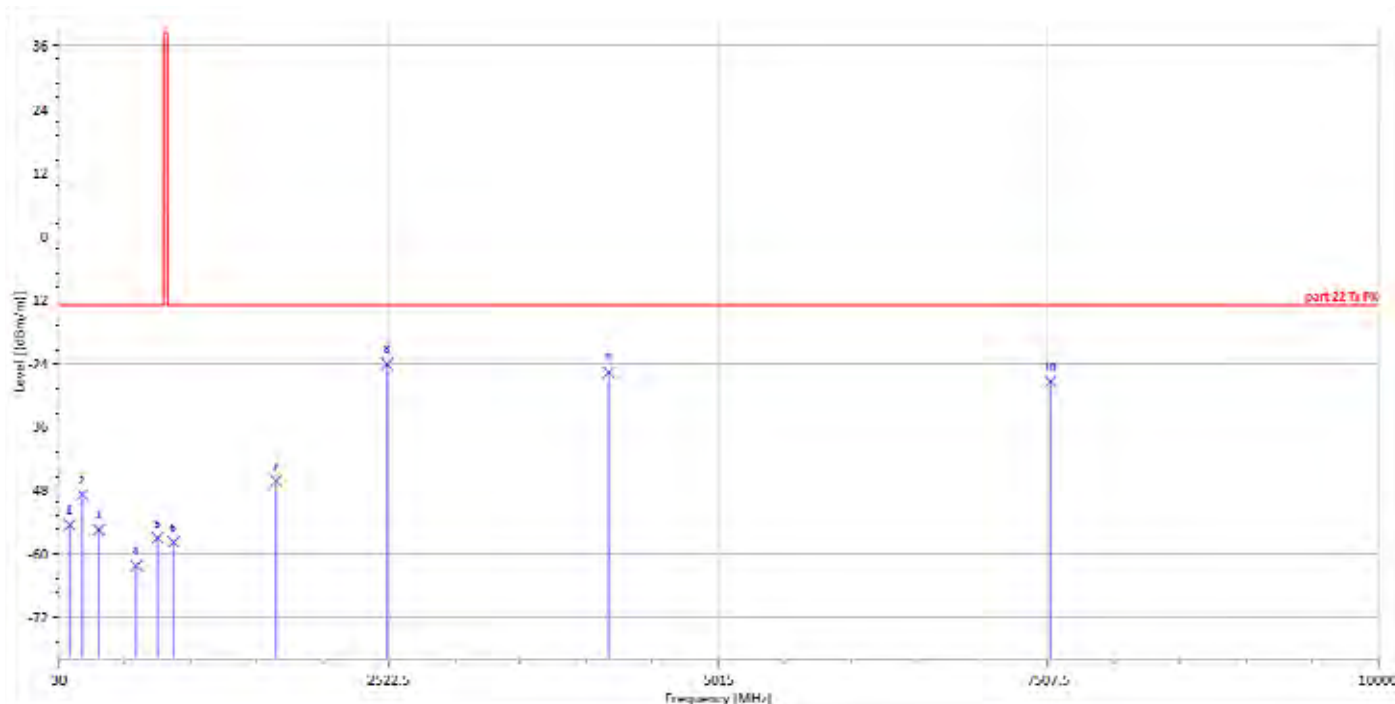
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Operation Mode : GPRS850 Test Date : 2017/9/28
Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
108.57	S	-54.54	-49.52	-3.57	-1.44	-13	-41.54
205.57	S	-48.85	-50.74	3.90	-2.02	-13	-35.85
330.70	S	-55.46	-56.32	3.46	-2.60	-13	-42.46
616.85	S	-62.31	-63.11	4.42	-3.62	-13	-49.31
773.02	S	-56.99	-58.16	5.19	-4.02	-13	-43.99
896.21	S	-57.80	-58.63	5.23	-4.40	-13	-44.80
1673.20	H	-46.24	-46.42	6.68	-6.50	-13	-33.24
2509.80	H	-24.12	-24.84	8.56	-7.84	-13	-11.12
4183.00	H	-25.65	-26.80	10.45	-9.30	-13	-12.65
7529.40	H	-27.47	-25.05	9.15	-11.57	-13	-14.47

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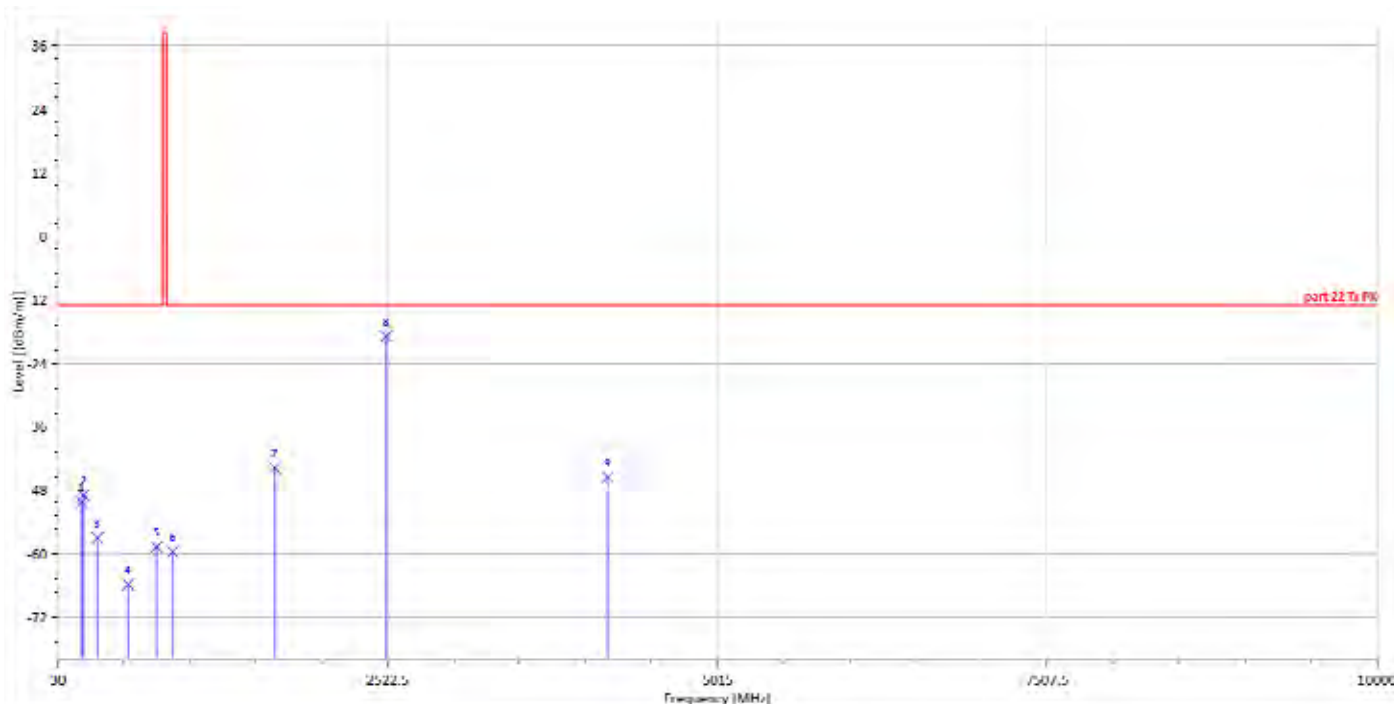
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Operation Mode : GPRS850 Test Date : 2017/9/28
Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
206.54	S	-50.30	-52.20	3.92	-2.02	-13	-37.30
221.09	S	-48.99	-50.86	3.96	-2.10	-13	-35.99
328.76	S	-57.01	-57.88	3.47	-2.60	-13	-44.01
563.50	S	-65.91	-66.53	4.06	-3.44	-13	-52.91
773.02	S	-58.72	-59.89	5.19	-4.02	-13	-45.72
897.18	S	-59.65	-60.47	5.23	-4.40	-13	-46.65
1673.20	H	-43.75	-43.93	6.68	-6.50	-13	-30.75
2509.80	H	-18.93	-19.65	8.56	-7.84	-13	-5.93
4183.00	H	-45.56	-46.71	10.45	-9.30	-13	-32.56

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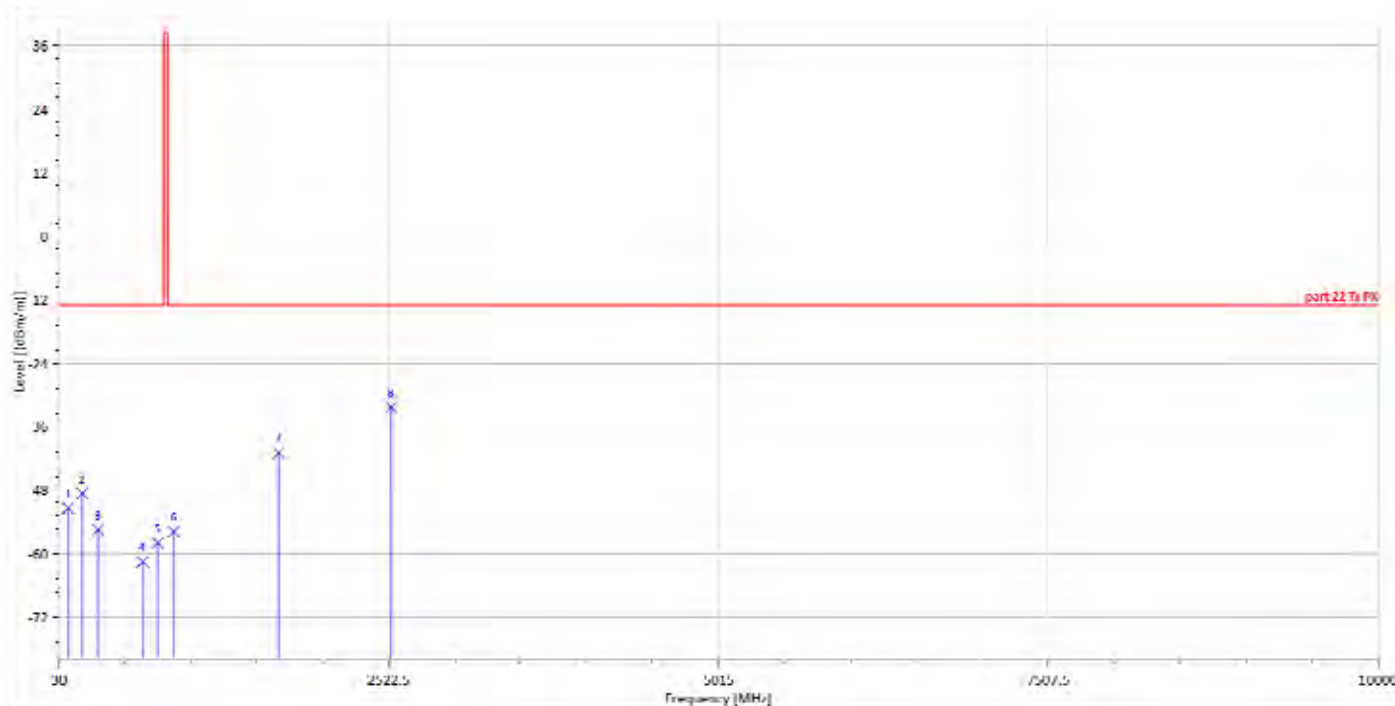
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Operation Mode : GPRS850 Test Date : 2017/9/28
Fundamental Frequency : 848.8 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
96.93	S	-51.45	-47.08	-3.01	-1.36	-13	-38.45
204.60	S	-48.70	-50.57	3.88	-2.01	-13	-35.70
325.85	S	-55.47	-56.36	3.47	-2.58	-13	-42.47
661.47	S	-61.62	-62.62	4.72	-3.72	-13	-48.62
773.02	S	-57.90	-59.07	5.19	-4.02	-13	-44.90
897.18	S	-55.80	-56.63	5.23	-4.40	-13	-42.80
1693.20	H	-40.89	-41.10	6.76	-6.55	-13	-27.89
2539.80	H	-32.33	-33.05	8.60	-7.87	-13	-19.33

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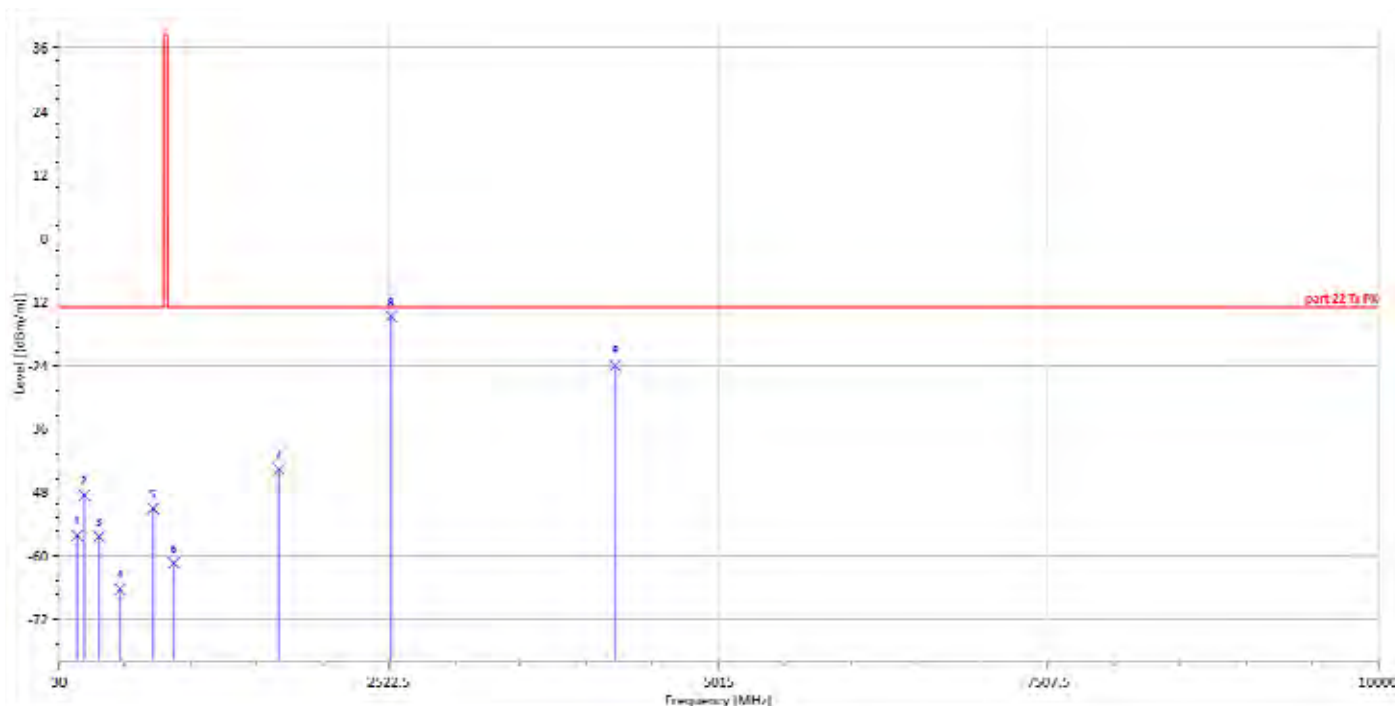
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Operation Mode : GPRS850 Test Date : 2017/9/28
Fundamental Frequency : 848.8 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
165.80	S	-56.15	-56.39	2.05	-1.80	-13	-43.15
220.12	S	-48.61	-50.52	4.00	-2.09	-13	-35.61
332.64	S	-56.36	-57.21	3.46	-2.61	-13	-43.36
493.66	S	-66.37	-67.15	3.99	-3.20	-13	-53.37
740.04	S	-51.16	-52.39	5.14	-3.91	-13	-38.16
898.15	S	-61.41	-62.24	5.23	-4.41	-13	-48.41
1693.20	H	-43.65	-43.86	6.76	-6.55	-13	-30.65
2539.80	H	-14.70	-15.42	8.60	-7.87	-13	-1.70
4233.00	H	-24.04	-25.14	10.45	-9.35	-13	-11.04

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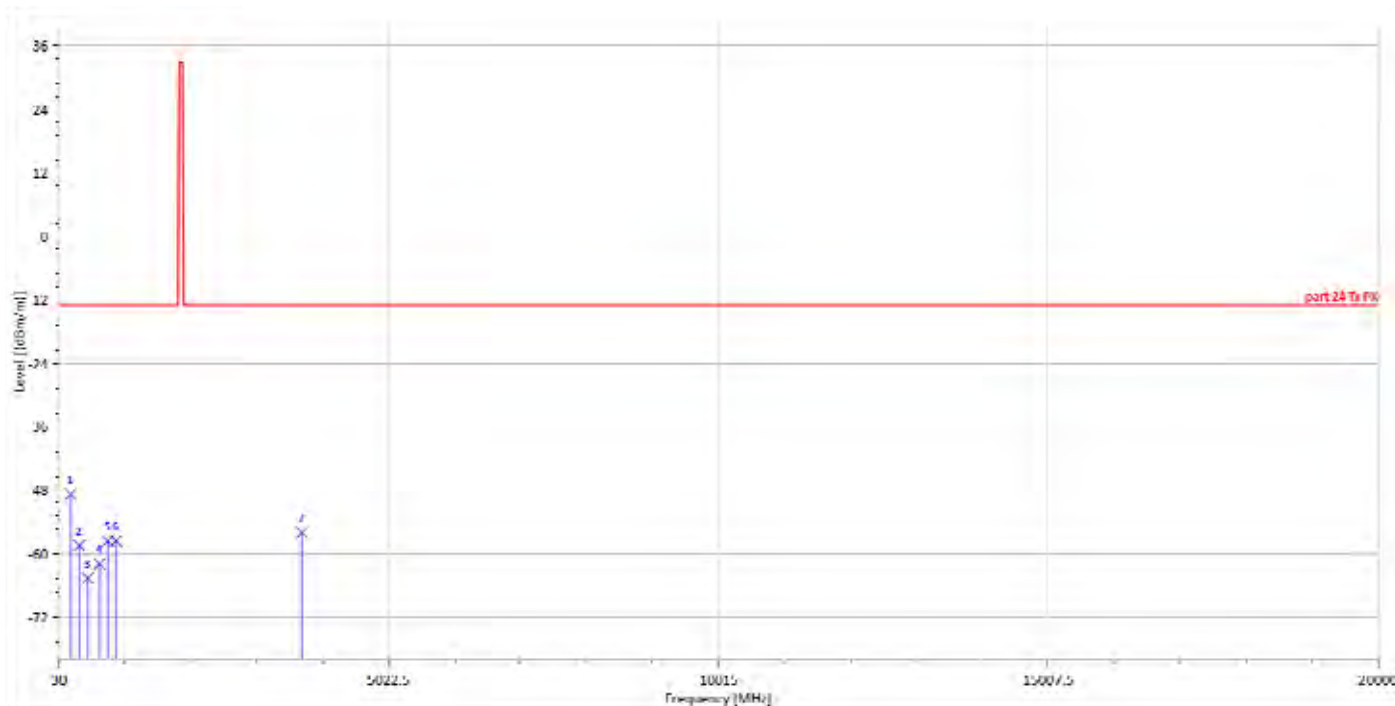
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Radiated Spurious Emission Measurement Result: GSM 1900 Mode (The Worst Case)

Operation Mode :	GSM 1900	Test Date :	2017/9/28
Fundamental Frequency :	1850.2 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
202.66	S	-48.81	-52.62	5.82	-2.00	-13.01	-35.80
334.58	S	-58.47	-61.80	5.95	-2.62	-13.01	-45.46
464.56	S	-64.71	-67.95	6.34	-3.09	-13.01	-51.70
645.95	S	-61.95	-65.42	7.15	-3.69	-13.01	-48.94
773.02	S	-57.57	-61.29	7.74	-4.02	-13.01	-44.56
897.18	S	-57.57	-61.05	7.89	-4.40	-13.01	-44.56
3700.40	H	-55.99	-59.51	12.42	-8.90	-13.01	-42.98

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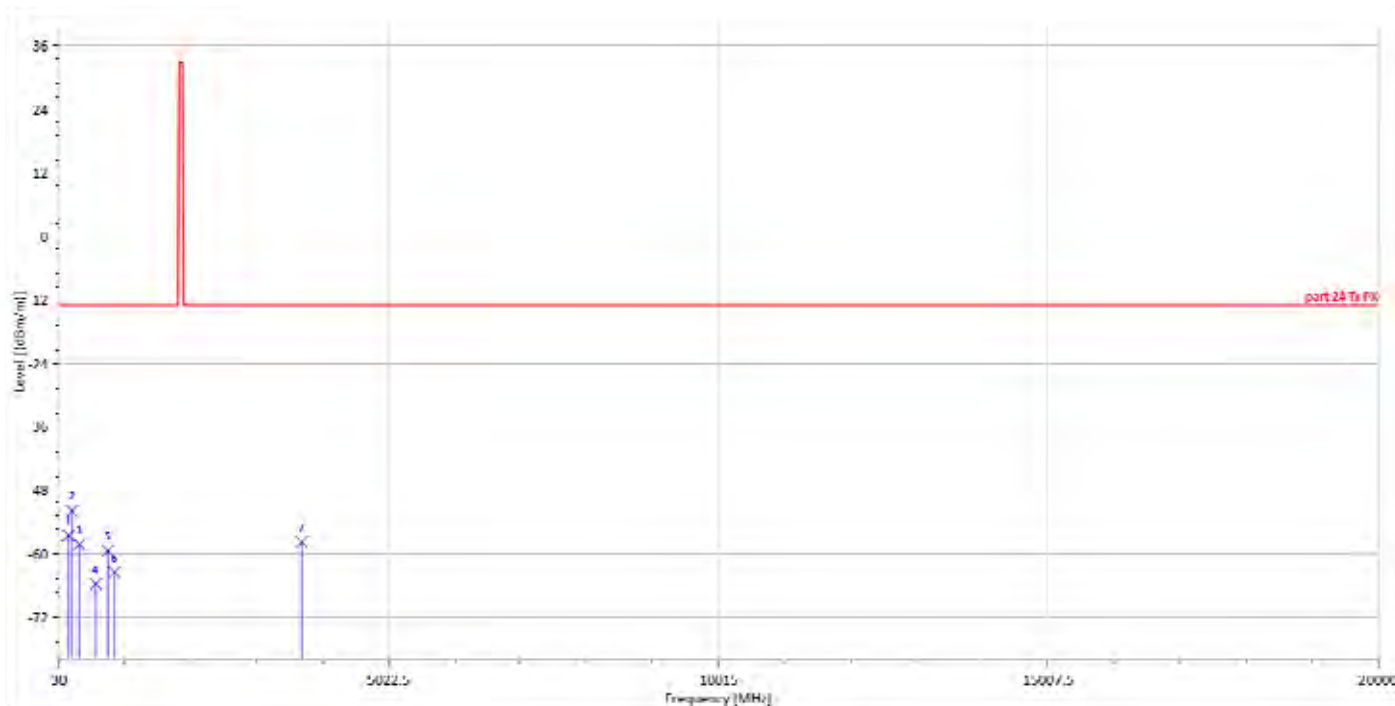
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Operation Mode : GSM 1900 Test Date : 2017/9/28
Fundamental Frequency : 1850.2 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
168.71	S	-56.53	-58.88	4.17	-1.82	-13.01	-43.52
222.06	S	-51.95	-56.14	6.29	-2.10	-13.01	-38.94
333.61	S	-58.23	-61.56	5.95	-2.61	-13.01	-45.22
585.81	S	-65.81	-69.14	6.84	-3.51	-13.01	-52.80
773.02	S	-59.48	-63.19	7.74	-4.02	-13.01	-46.47
871.96	S	-63.58	-67.08	7.84	-4.34	-13.01	-50.57
3700.40	H	-57.76	-61.28	12.42	-8.90	-13.01	-44.75

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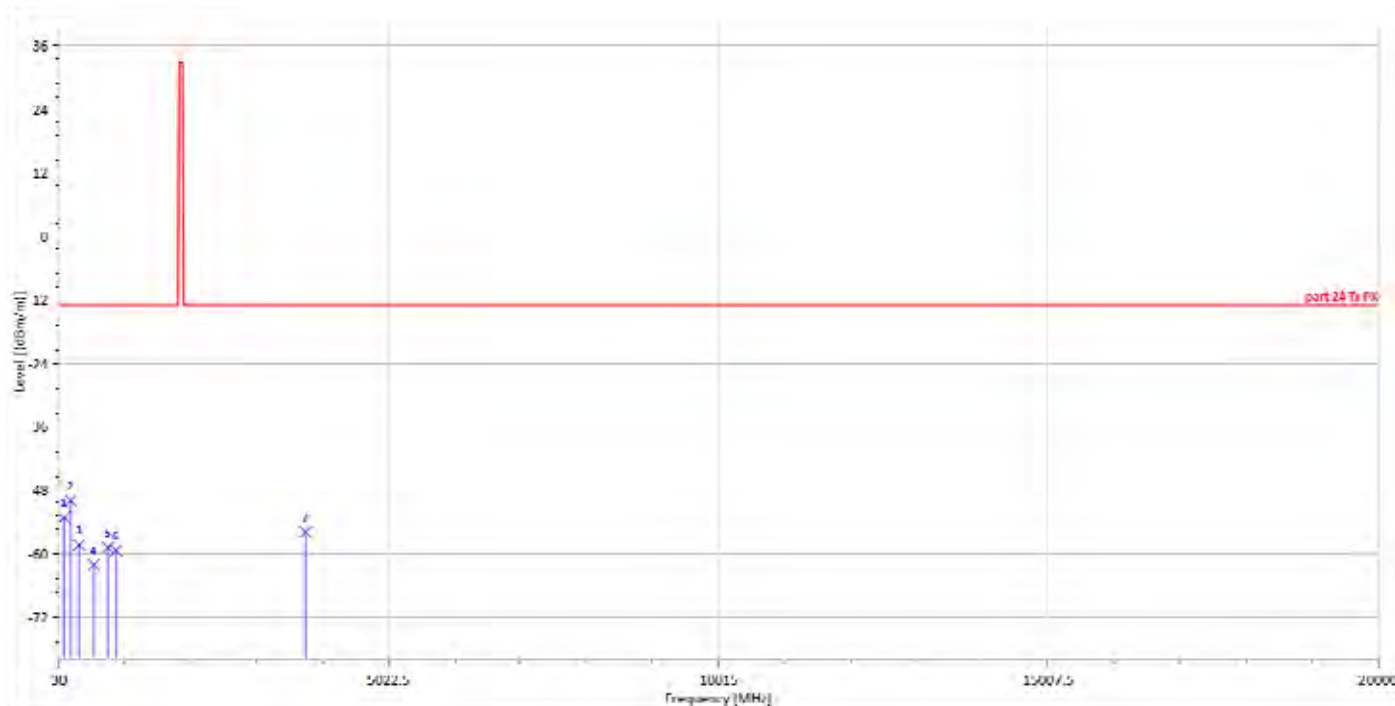
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Operation Mode : GSM 1900 Test Date : 2017/9/28
Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
104.69	S	-53.14	-50.26	-1.46	-1.41	-13.01	-40.13
202.66	S	-50.00	-53.82	5.82	-2.00	-13.01	-36.99
330.70	S	-58.33	-61.66	5.94	-2.60	-13.01	-45.32
557.68	S	-62.14	-65.30	6.59	-3.43	-13.01	-49.13
773.02	S	-58.83	-62.54	7.74	-4.02	-13.01	-45.82
897.18	S	-59.43	-62.91	7.89	-4.40	-13.01	-46.42
3760.00	H	-55.90	-59.42	12.46	-8.94	-13.01	-42.89

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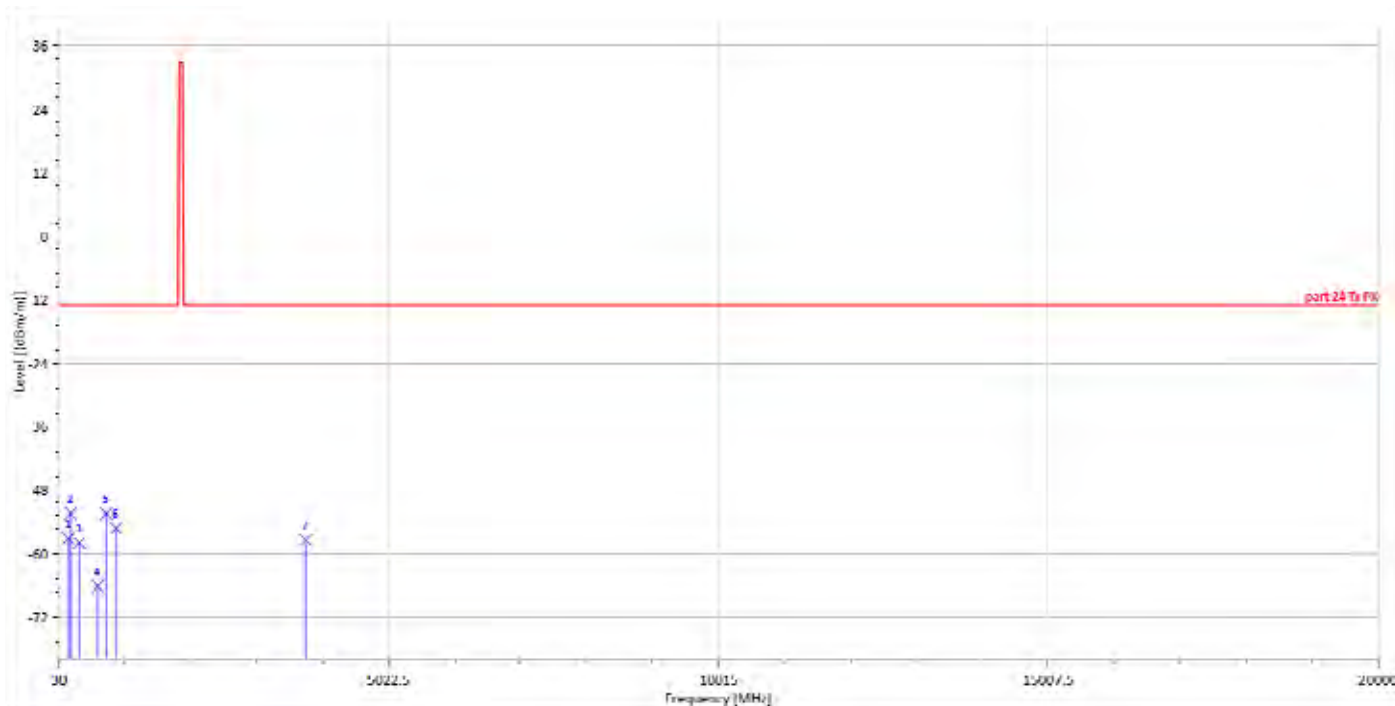
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Operation Mode : GSM 1900 Test Date : 2017/9/28
Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
168.71	S	-57.09	-59.44	4.17	-1.82	-13.01	-44.08
201.69	S	-52.41	-56.20	5.79	-2.00	-13.01	-39.40
334.58	S	-57.94	-61.27	5.95	-2.62	-13.01	-44.93
616.85	S	-66.19	-69.61	7.04	-3.62	-13.01	-53.18
747.80	S	-52.44	-56.22	7.71	-3.93	-13.01	-39.43
897.18	S	-55.17	-58.65	7.89	-4.40	-13.01	-42.16
3760.00	H	-57.41	-60.93	12.46	-8.94	-13.01	-44.40

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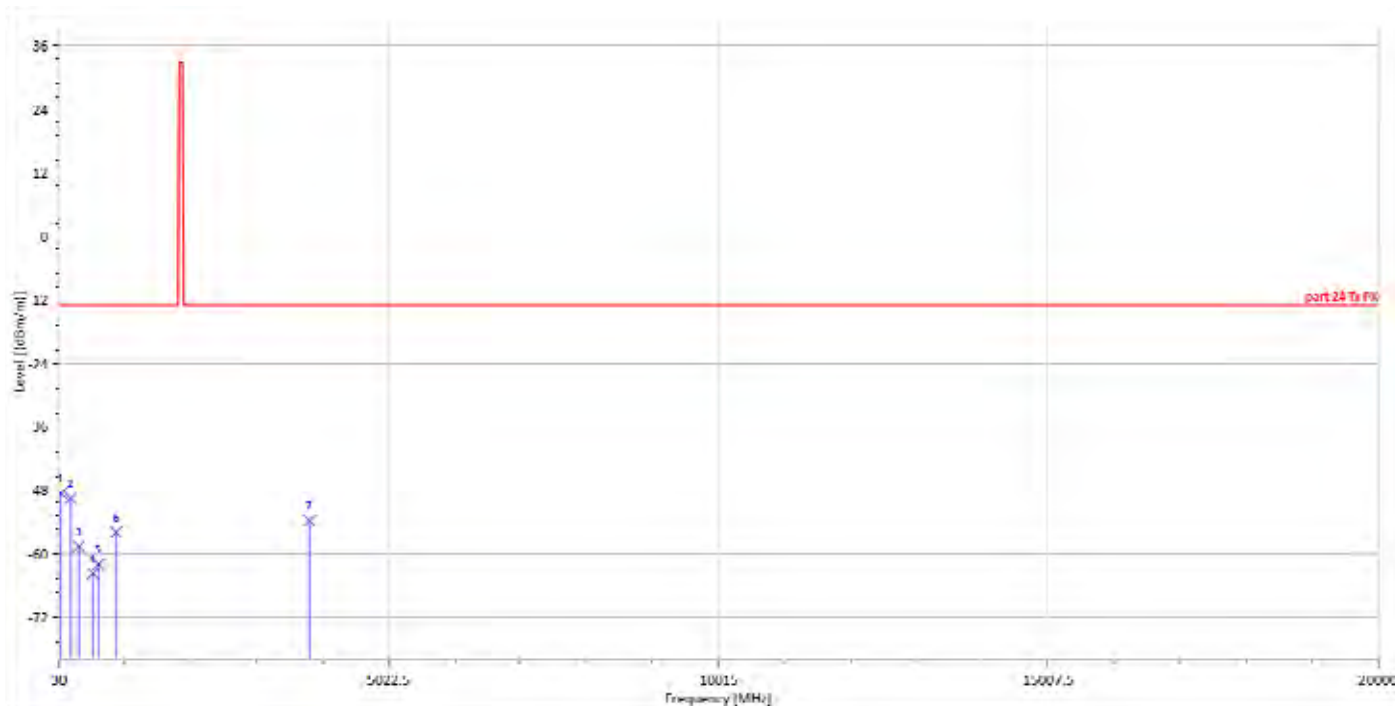
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Operation Mode : GSM 1900 Test Date : 2017/9/28
Fundamental Frequency : 1909.8 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
62.98	S	-48.64	-46.74	-0.83	-1.08	-13.01	-35.63
202.66	S	-49.57	-53.38	5.82	-2.00	-13.01	-36.56
328.76	S	-58.62	-61.95	5.93	-2.60	-13.01	-45.61
544.10	S	-63.82	-66.94	6.51	-3.39	-13.01	-50.81
629.46	S	-62.05	-65.49	7.09	-3.65	-13.01	-49.04
900.09	S	-55.90	-59.38	7.89	-4.41	-13.01	-42.89
3819.60	H	-53.69	-57.20	12.49	-8.98	-13.01	-40.68

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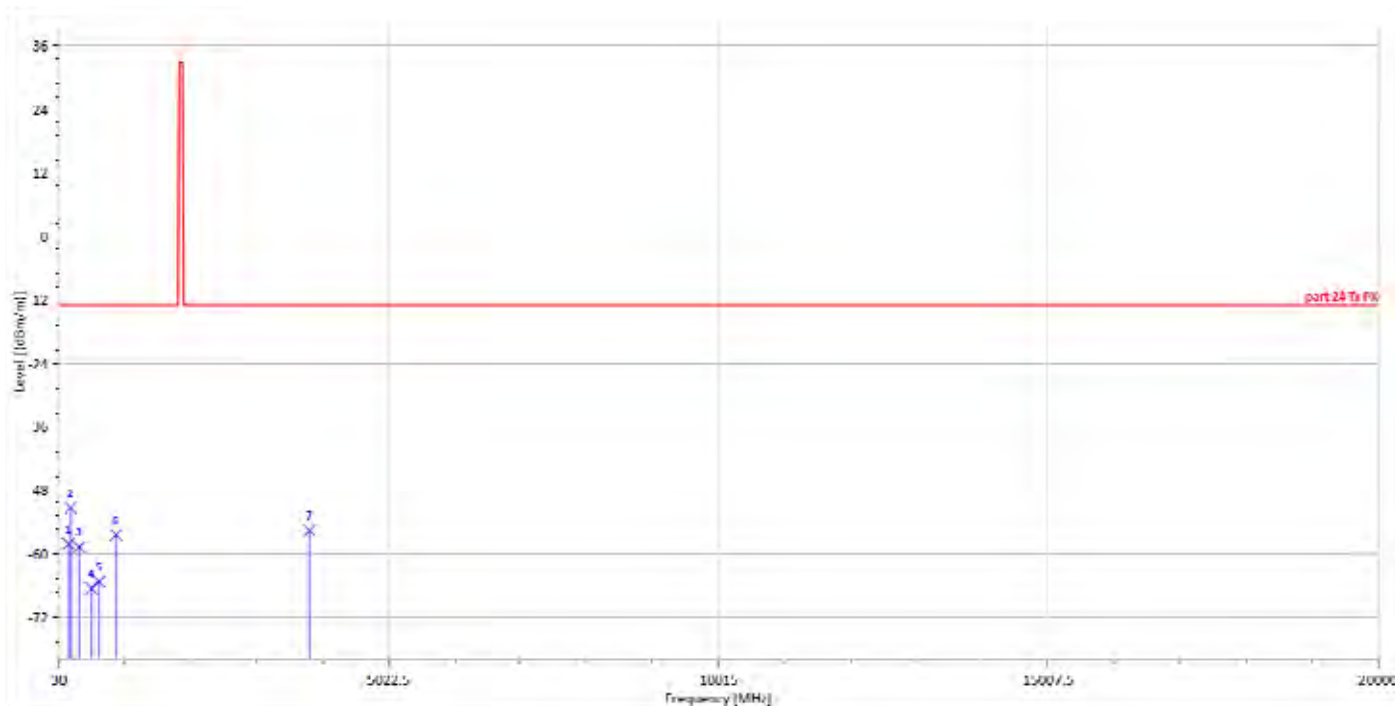
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Operation Mode : GSM 1900 Test Date : 2017/9/28
Fundamental Frequency : 1909.8 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
170.65	S	-58.15	-60.71	4.39	-1.83	-13.01	-45.14
204.60	S	-51.39	-55.26	5.88	-2.01	-13.01	-38.38
332.64	S	-58.75	-62.08	5.94	-2.61	-13.01	-45.74
520.82	S	-66.55	-69.74	6.50	-3.31	-13.01	-53.54
638.19	S	-65.38	-68.83	7.12	-3.67	-13.01	-52.37
897.18	S	-56.44	-59.93	7.89	-4.40	-13.01	-43.43
3819.60	H	-55.61	-59.12	12.49	-8.98	-13.01	-42.60

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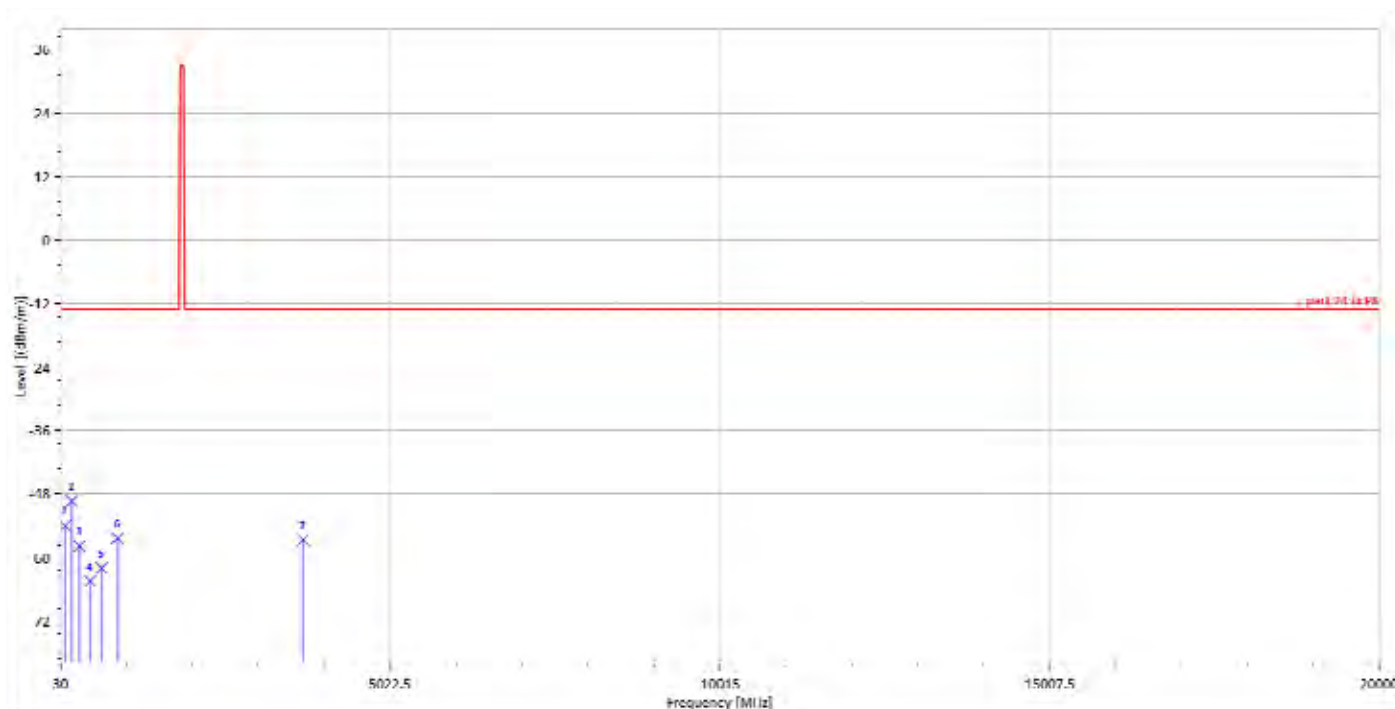
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Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Operation Mode :	WCDMA B2	Test Date :	2017/9/28
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
101.78	S	-53.94	-51.19	-1.36	-1.39	-13.01	-40.93
202.66	S	-49.36	-53.17	5.82	-2.00	-13.01	-36.35
322.94	S	-57.81	-61.16	5.92	-2.57	-13.01	-44.80
484.93	S	-64.50	-67.75	6.42	-3.17	-13.01	-51.49
659.53	S	-62.00	-65.55	7.27	-3.72	-13.01	-48.99
896.21	S	-56.29	-59.78	7.89	-4.40	-13.01	-43.28
3704.80	H	-56.63	-60.15	12.42	-8.90	-13.01	-43.62

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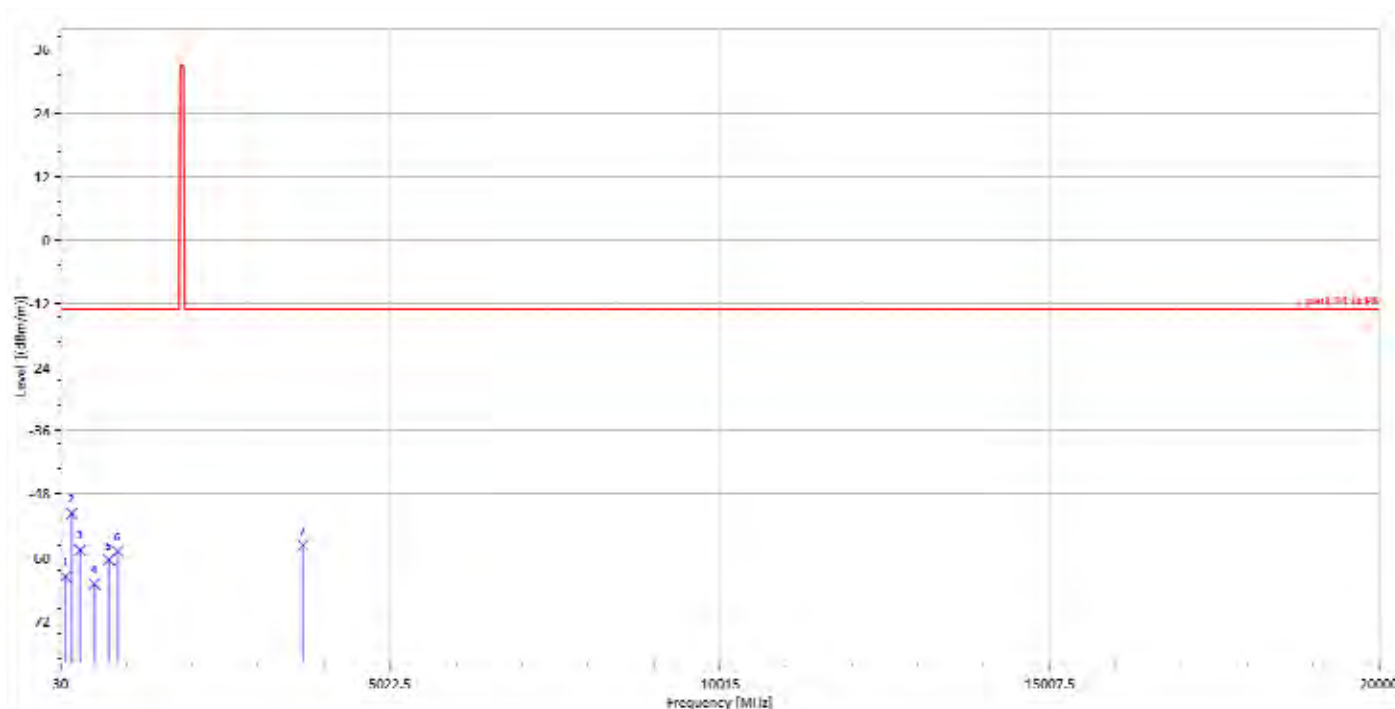
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Operation Mode : WCDMA B2 Test Date : 2017/9/28
Fundamental Frequency : 1852.4 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
105.66	S	-63.66	-60.74	-1.50	-1.42	-13.01	-50.65
202.66	S	-51.70	-55.51	5.82	-2.00	-13.01	-38.69
330.70	S	-58.59	-61.93	5.94	-2.60	-13.01	-45.58
551.86	S	-65.07	-68.19	6.53	-3.41	-13.01	-52.06
773.02	S	-60.44	-64.16	7.74	-4.02	-13.01	-47.43
896.21	S	-58.78	-62.27	7.89	-4.40	-13.01	-45.77
3704.80	H	-57.65	-61.17	12.42	-8.90	-13.01	-44.64

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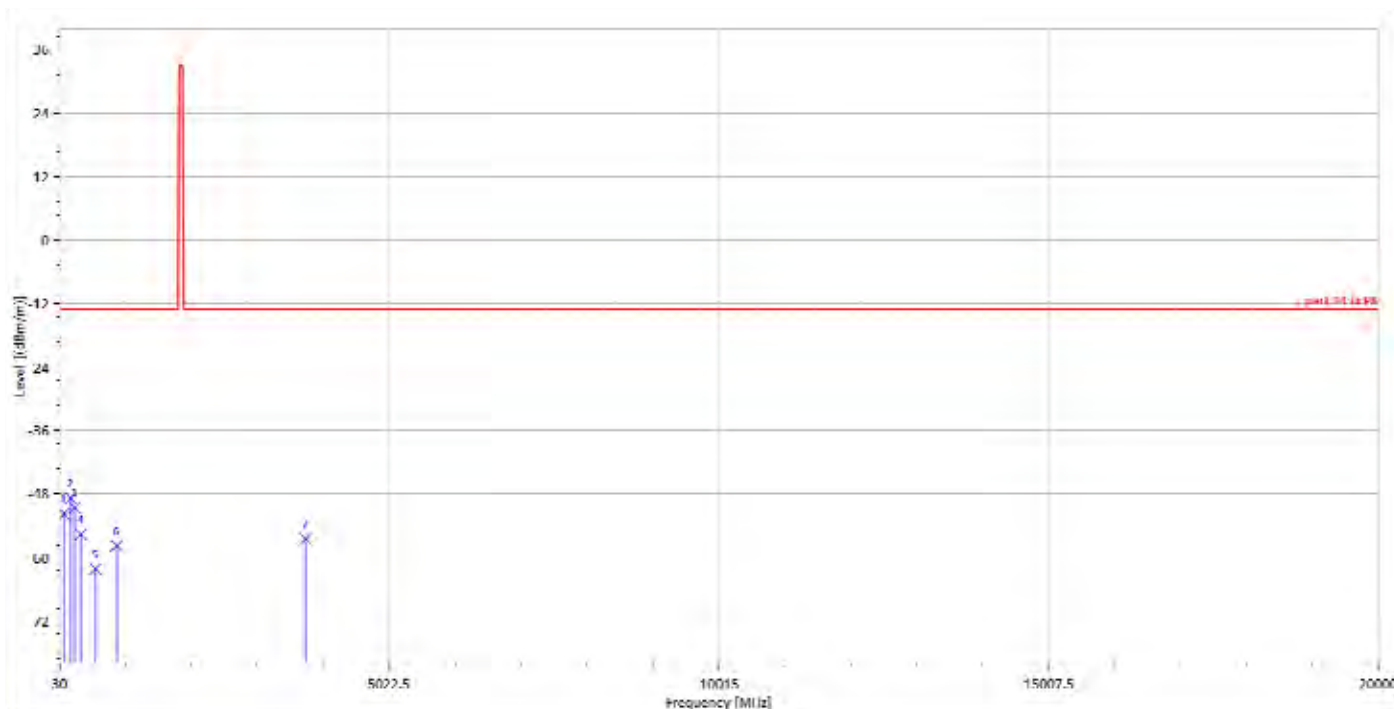
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Operation Mode : WCDMA B2 Test Date : 2017/9/28
Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
100.81	S	-51.74	-49.04	-1.32	-1.39	-13.01	-38.73
202.66	S	-48.85	-52.66	5.82	-2.00	-13.01	-35.84
264.74	S	-50.62	-53.20	4.90	-2.32	-13.01	-37.61
359.80	S	-55.55	-58.79	5.94	-2.71	-13.01	-42.54
581.93	S	-62.16	-65.47	6.81	-3.50	-13.01	-49.15
898.15	S	-57.72	-61.21	7.89	-4.41	-13.01	-44.71
3760.00	H	-56.46	-59.97	12.46	-8.94	-13.01	-43.45

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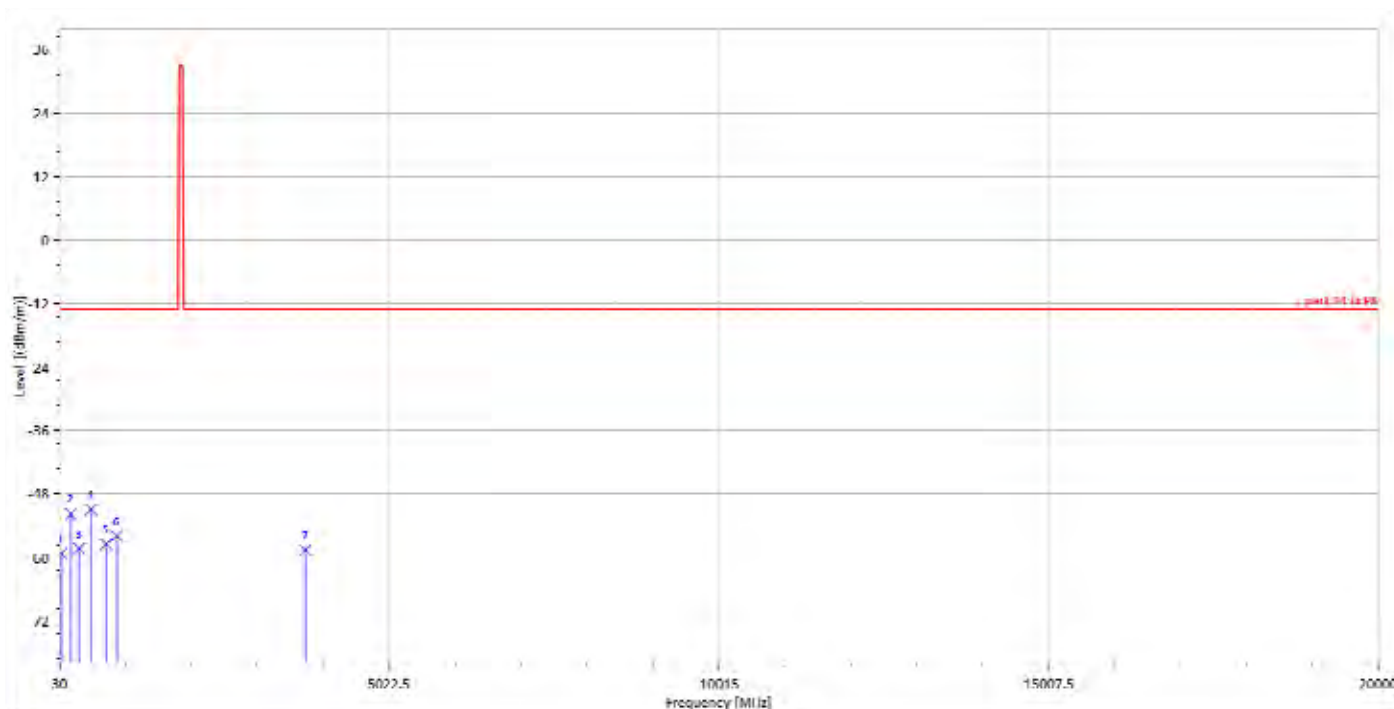
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Operation Mode : WCDMA B2 Test Date : 2017/9/28
Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
59.10	S	-59.25	-56.63	-1.58	-1.04	-13.01	-46.24
204.60	S	-51.78	-55.65	5.88	-2.01	-13.01	-38.77
331.67	S	-58.27	-61.60	5.94	-2.61	-13.01	-45.26
514.03	S	-50.99	-54.20	6.50	-3.28	-13.01	-37.98
746.83	S	-57.41	-61.19	7.71	-3.93	-13.01	-44.40
897.18	S	-55.85	-59.34	7.89	-4.40	-13.01	-42.84
3760.00	H	-58.57	-62.08	12.46	-8.94	-13.01	-45.56

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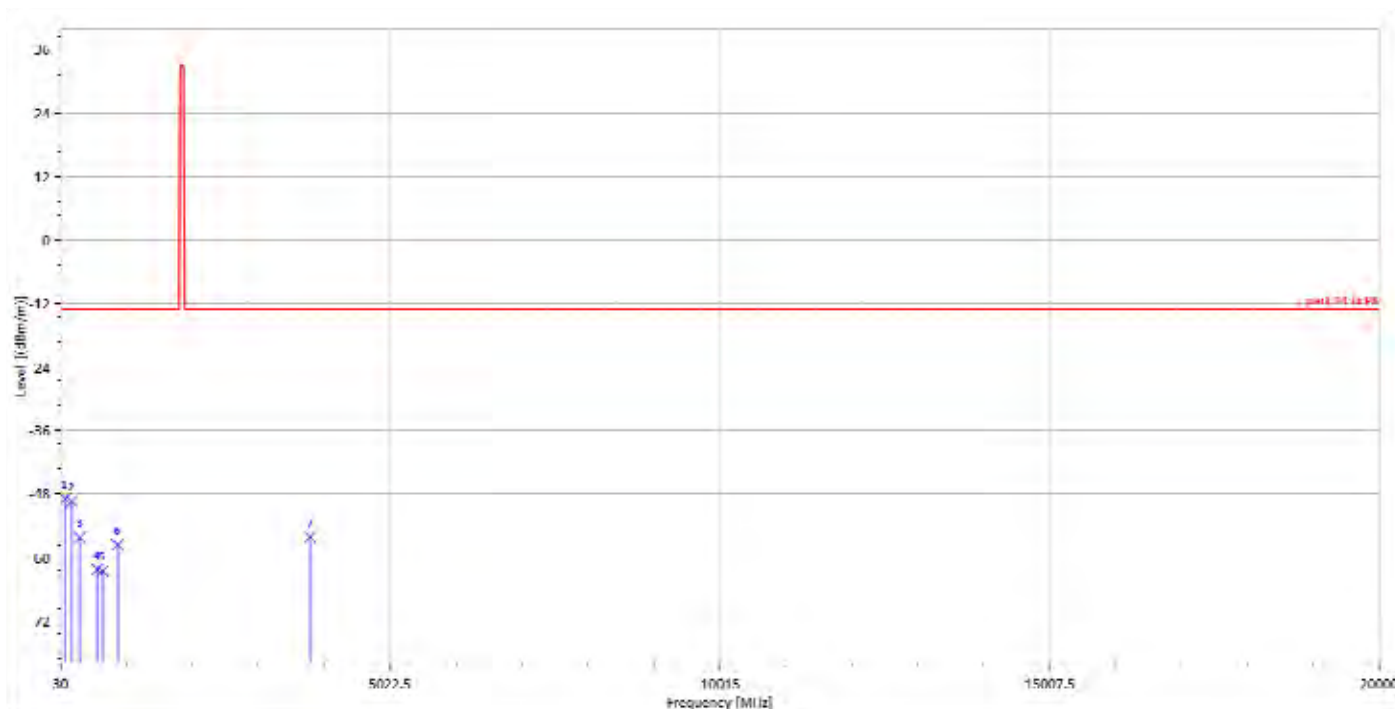
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Operation Mode : WCDMA B2 Test Date : 2017/9/28
Fundamental Frequency : 1907.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
100.81	S	-48.93	-46.22	-1.32	-1.39	-13.01	-35.92
202.66	S	-49.42	-53.24	5.82	-2.00	-13.01	-36.41
326.82	S	-56.17	-59.51	5.93	-2.59	-13.01	-43.16
596.48	S	-62.27	-65.66	6.94	-3.56	-13.01	-49.26
676.99	S	-62.56	-66.26	7.46	-3.76	-13.01	-49.55
897.18	S	-57.55	-61.04	7.89	-4.40	-13.01	-44.54
3815.20	H	-56.10	-59.61	12.49	-8.98	-13.01	-43.09

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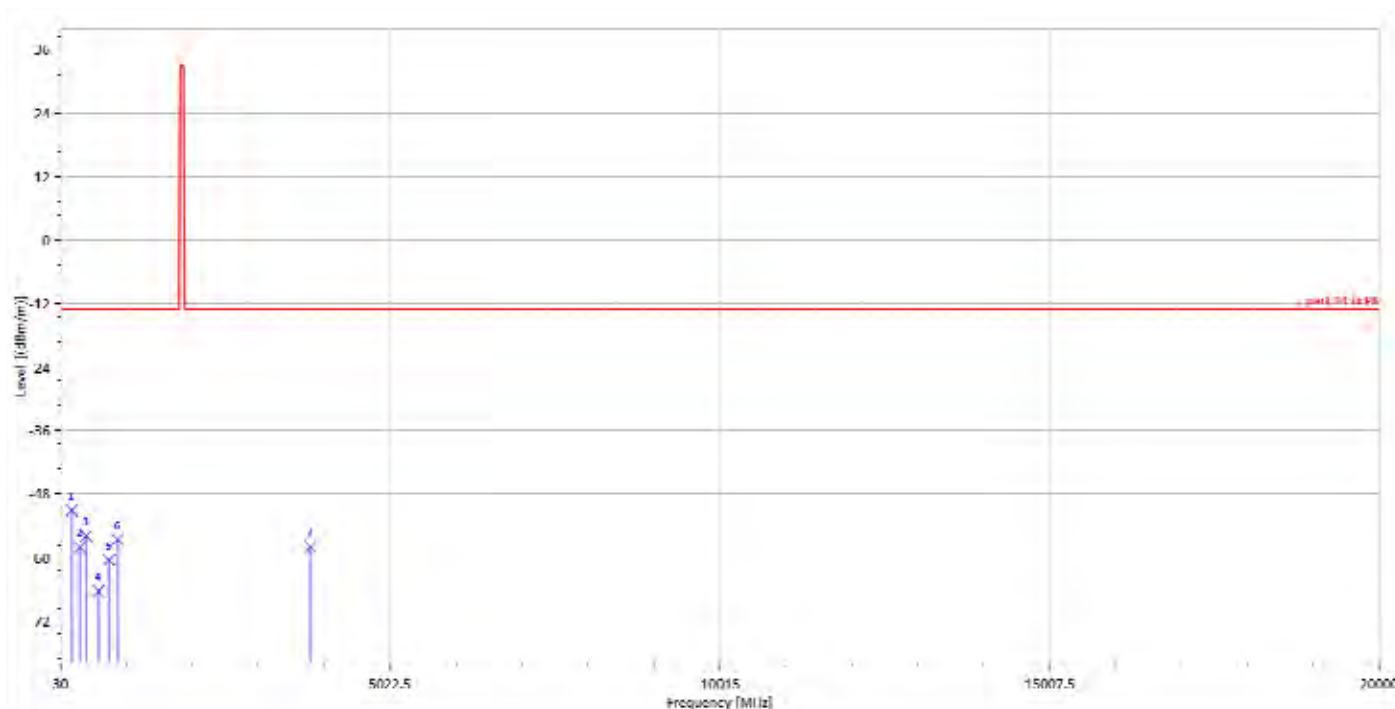
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Member of SGS Group

Operation Mode : WCDMA B2 Test Date : 2017/9/28
Fundamental Frequency : 1907.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
203.63	S	-51.12	-54.96	5.85	-2.01	-13.01	-38.11
327.79	S	-58.03	-61.36	5.93	-2.59	-13.01	-45.02
422.85	S	-55.88	-58.91	5.99	-2.96	-13.01	-42.87
615.88	S	-66.33	-69.75	7.04	-3.62	-13.01	-53.32
773.02	S	-60.48	-64.20	7.74	-4.02	-13.01	-47.47
896.21	S	-56.58	-60.06	7.89	-4.40	-13.01	-43.57
3815.20	H	-57.98	-61.48	12.49	-8.98	-13.01	-44.97

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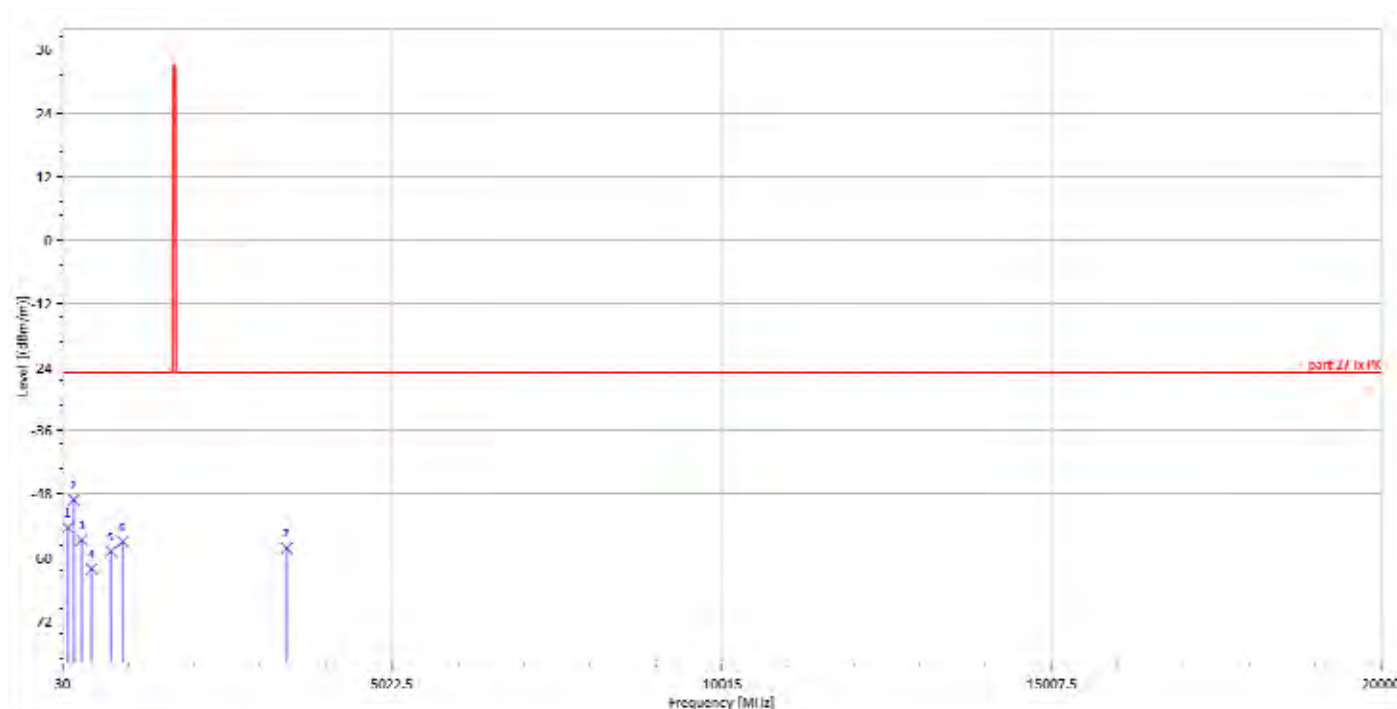
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Radiated Spurious Emission Measurement Result: HSUPA Band 4 Mode

Operation Mode :	HSUPA B4	Test Date :	2017/9/28
Fundamental Frequency :	1712.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
112.45	S	-54.31	-51.29	-1.55	-1.46	-25	-29.31
203.63	S	-49.12	-52.96	5.85	-2.01	-25	-24.12
325.85	S	-56.61	-59.95	5.92	-2.58	-25	-31.61
473.29	S	-62.13	-65.38	6.37	-3.12	-25	-37.13
773.02	S	-58.79	-62.50	7.74	-4.02	-25	-33.79
937.92	S	-56.94	-60.39	7.95	-4.49	-25	-31.94
3424.80	H	-58.21	-61.66	12.15	-8.70	-25	-33.21

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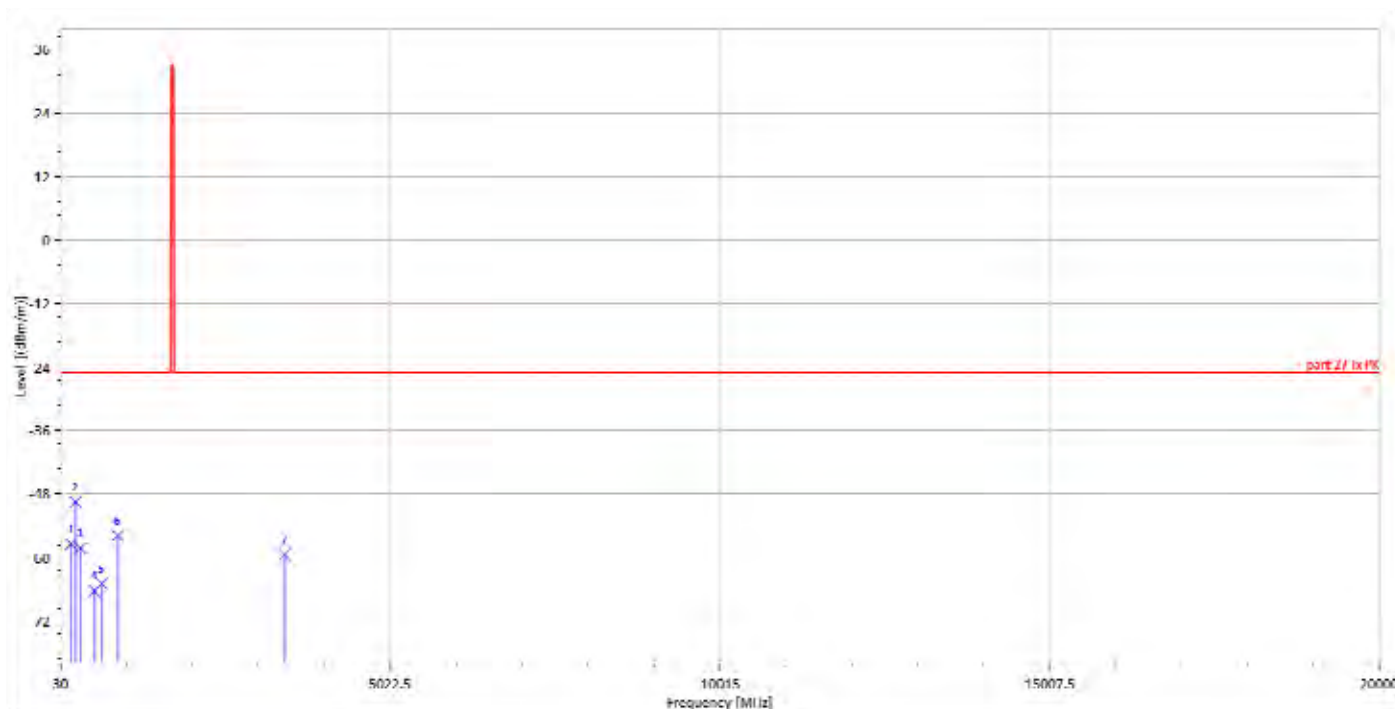
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Operation Mode : HSUPA B4 Test Date : 2017/9/28
Fundamental Frequency : 1712.4 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
192.96	S	-57.41	-61.30	5.84	-1.95	-25	-32.41
261.83	S	-49.54	-51.89	4.66	-2.31	-25	-24.54
336.52	S	-58.21	-61.54	5.95	-2.63	-25	-33.21
550.89	S	-66.30	-69.42	6.53	-3.41	-25	-41.30
661.47	S	-64.98	-68.55	7.29	-3.72	-25	-39.98
896.21	S	-55.80	-59.28	7.89	-4.40	-25	-30.80
3424.80	H	-59.46	-62.91	12.15	-8.70	-25	-34.46

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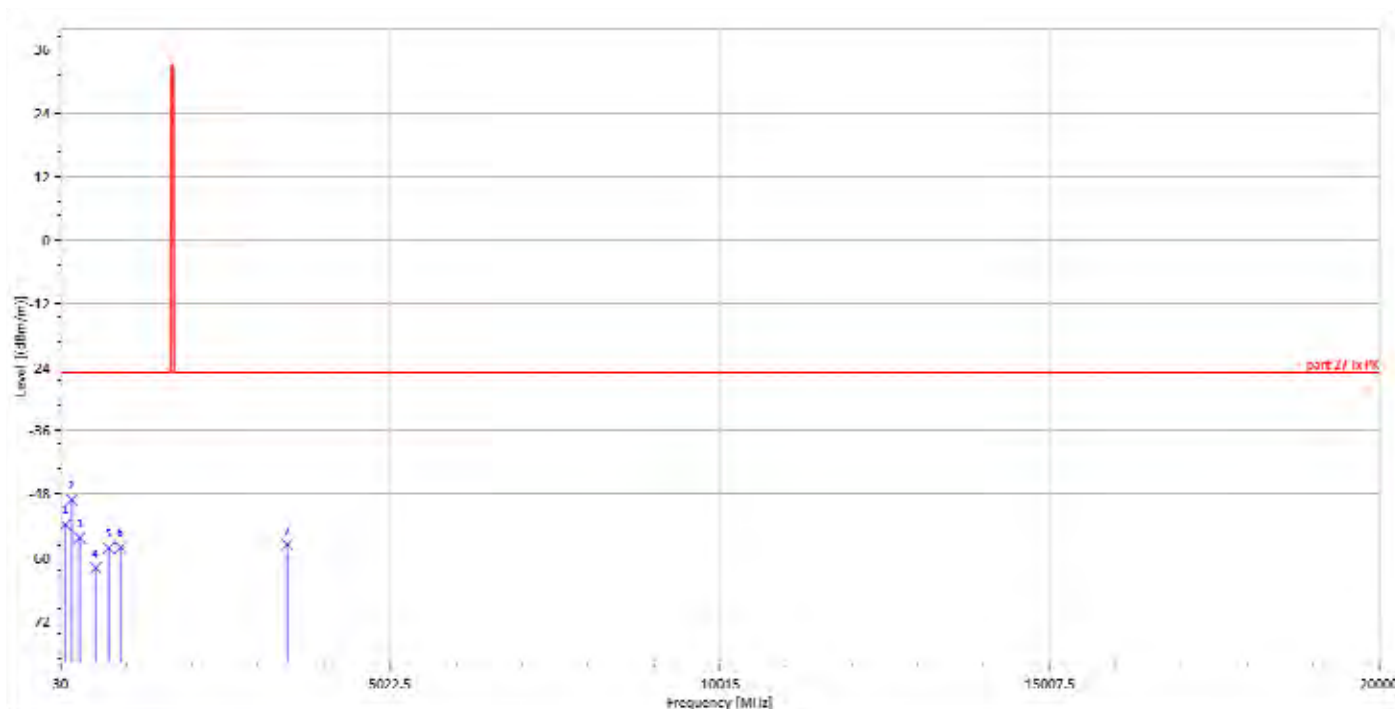
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Operation Mode : HSUPA B4 Test Date : 2017/9/28
Fundamental Frequency : 1732.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
103.72	S	-53.73	-50.89	-1.43	-1.41	-25	-28.73
203.63	S	-49.12	-52.96	5.85	-2.01	-25	-24.12
326.82	S	-56.21	-59.55	5.93	-2.59	-25	-31.21
571.26	S	-61.99	-65.24	6.71	-3.46	-25	-36.99
772.05	S	-58.18	-61.90	7.74	-4.02	-25	-33.18
937.92	S	-58.04	-61.49	7.95	-4.49	-25	-33.04
3465.20	H	-57.53	-61.03	12.23	-8.73	-25	-32.53

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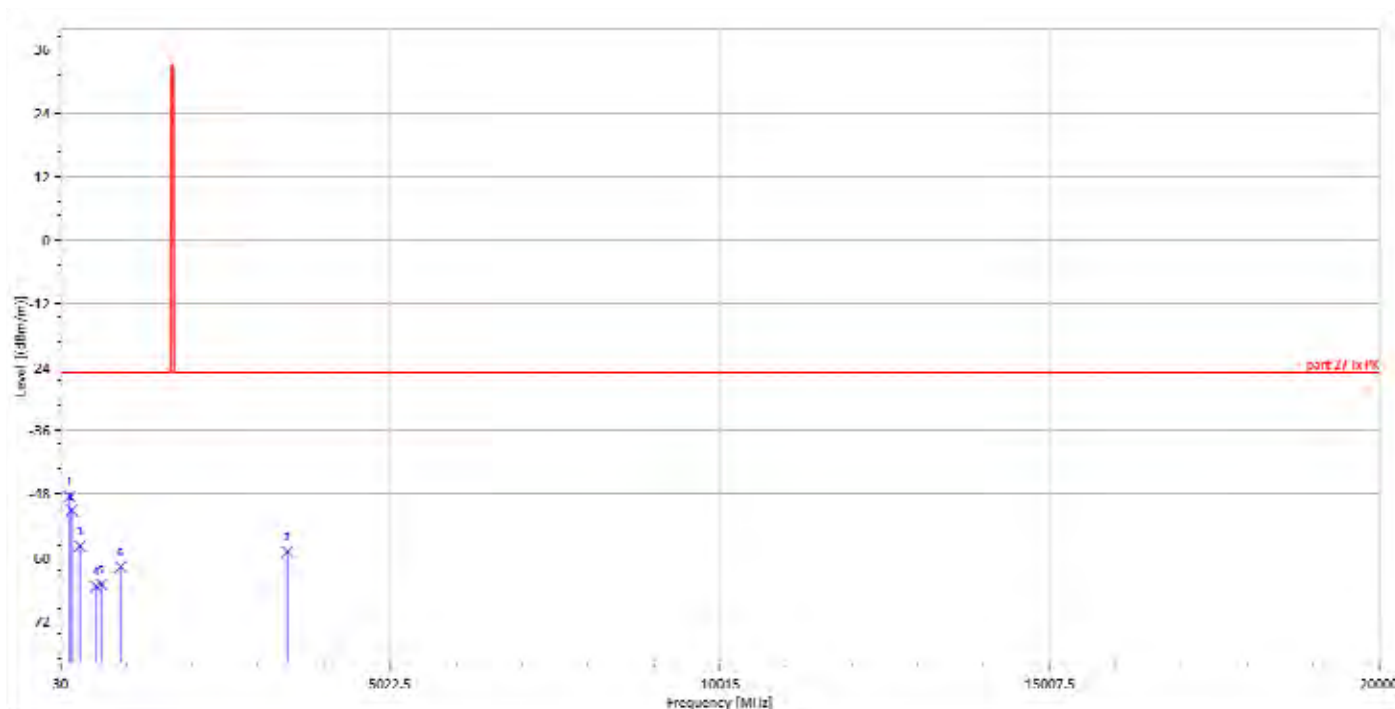
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Operation Mode : HSUPA B4 Test Date : 2017/9/28
Fundamental Frequency : 1732.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
167.74	S	-48.47	-50.72	4.06	-1.82	-25	-23.47
203.63	S	-51.11	-54.95	5.85	-2.01	-25	-26.11
329.73	S	-57.79	-61.13	5.94	-2.60	-25	-32.79
576.11	S	-65.54	-68.82	6.76	-3.48	-25	-40.54
658.56	S	-65.18	-68.72	7.26	-3.72	-25	-40.18
937.92	S	-61.76	-65.22	7.95	-4.49	-25	-36.76
3465.20	H	-58.87	-62.37	12.23	-8.73	-25	-33.87

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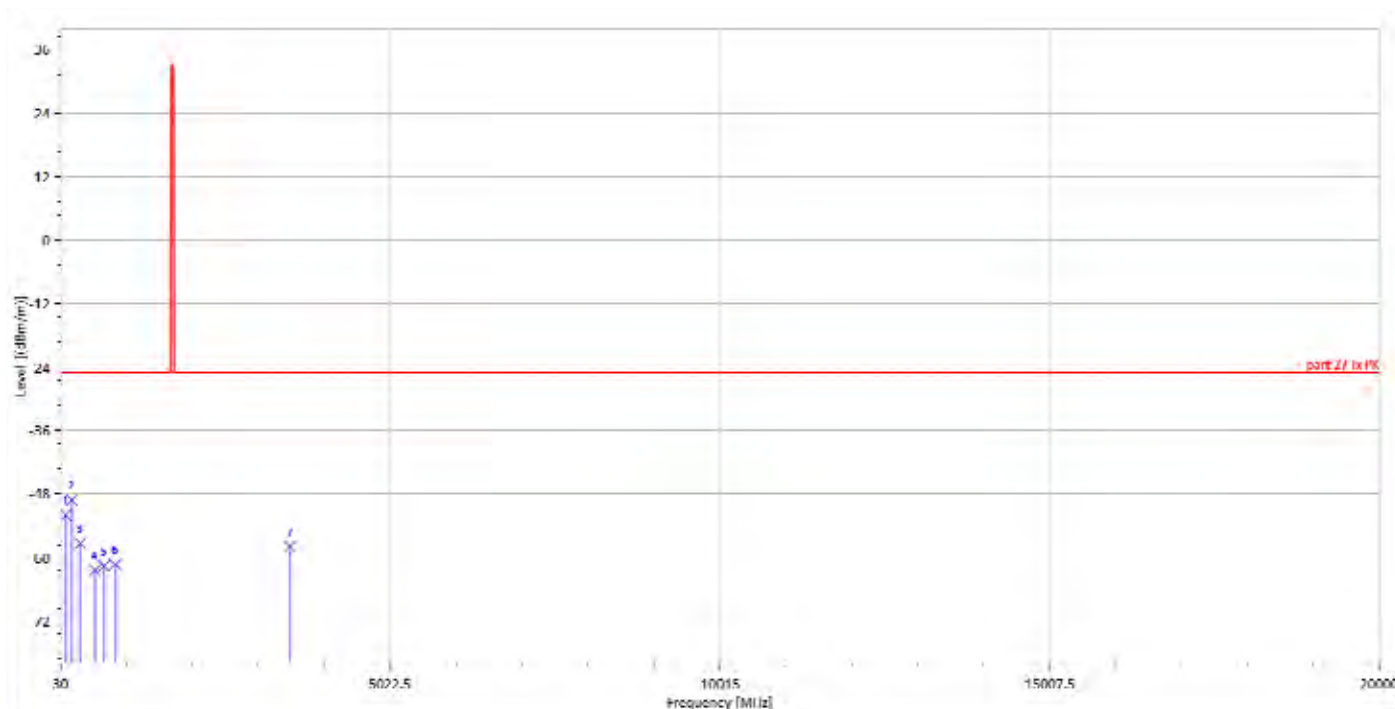
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Operation Mode : HSUPA B4 Test Date : 2017/9/28
Fundamental Frequency : 1752.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
111.48	S	-51.98	-48.93	-1.59	-1.46	-25	-26.98
203.63	S	-49.20	-53.04	5.85	-2.01	-25	-24.20
331.67	S	-57.30	-60.63	5.94	-2.61	-25	-32.30
559.62	S	-62.43	-65.60	6.60	-3.43	-25	-37.43
699.30	S	-61.61	-65.50	7.70	-3.82	-25	-36.61
861.29	S	-61.30	-64.81	7.82	-4.31	-25	-36.30
3505.20	H	-57.88	-61.42	12.30	-8.76	-25	-32.88

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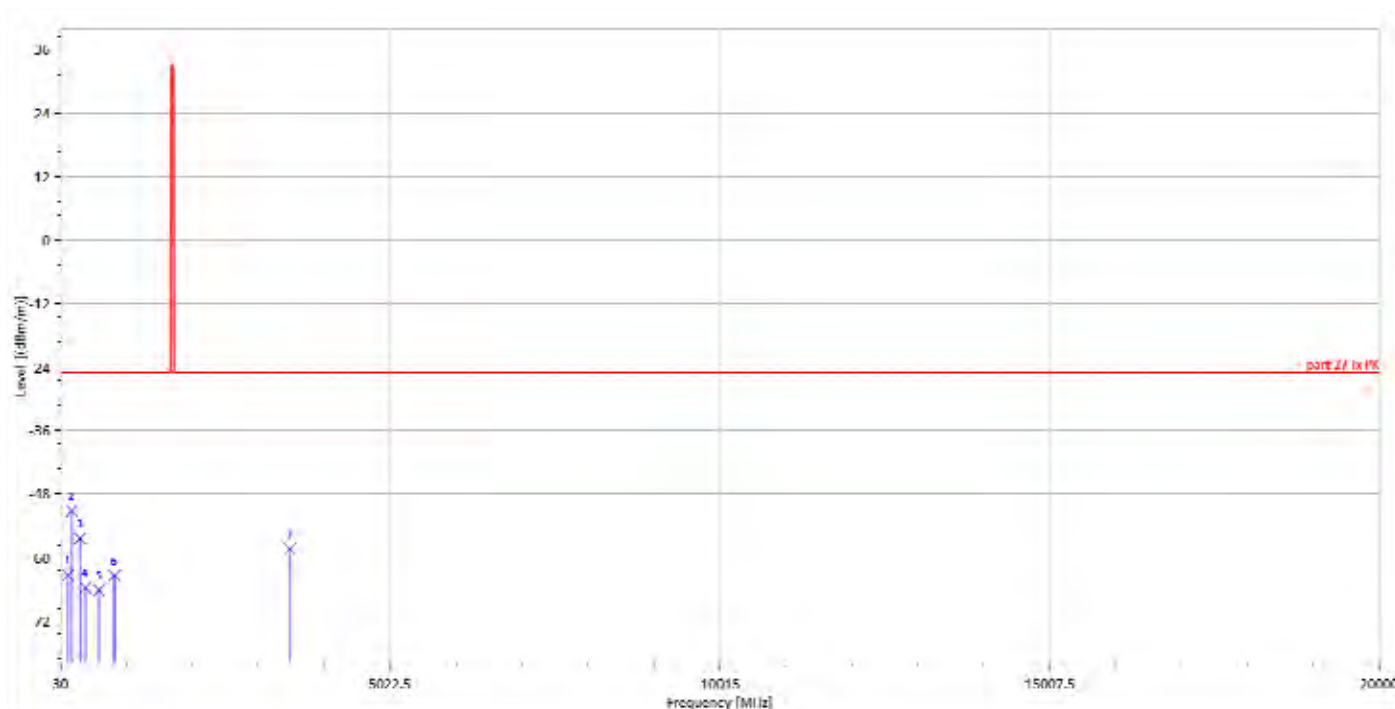
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Operation Mode : HSUPA B4 Test Date : 2017/9/28
Fundamental Frequency : 1752.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
144.46	S	-63.37	-63.10	1.41	-1.68	-25	-38.37
204.60	S	-51.23	-55.09	5.88	-2.01	-25	-26.23
330.70	S	-56.37	-59.70	5.94	-2.60	-25	-31.37
412.18	S	-65.75	-68.71	5.88	-2.93	-25	-40.75
618.79	S	-66.18	-69.60	7.05	-3.63	-25	-41.18
850.62	S	-63.46	-66.99	7.80	-4.27	-25	-38.46
3505.20	H	-58.33	-61.87	12.30	-8.76	-25	-33.33

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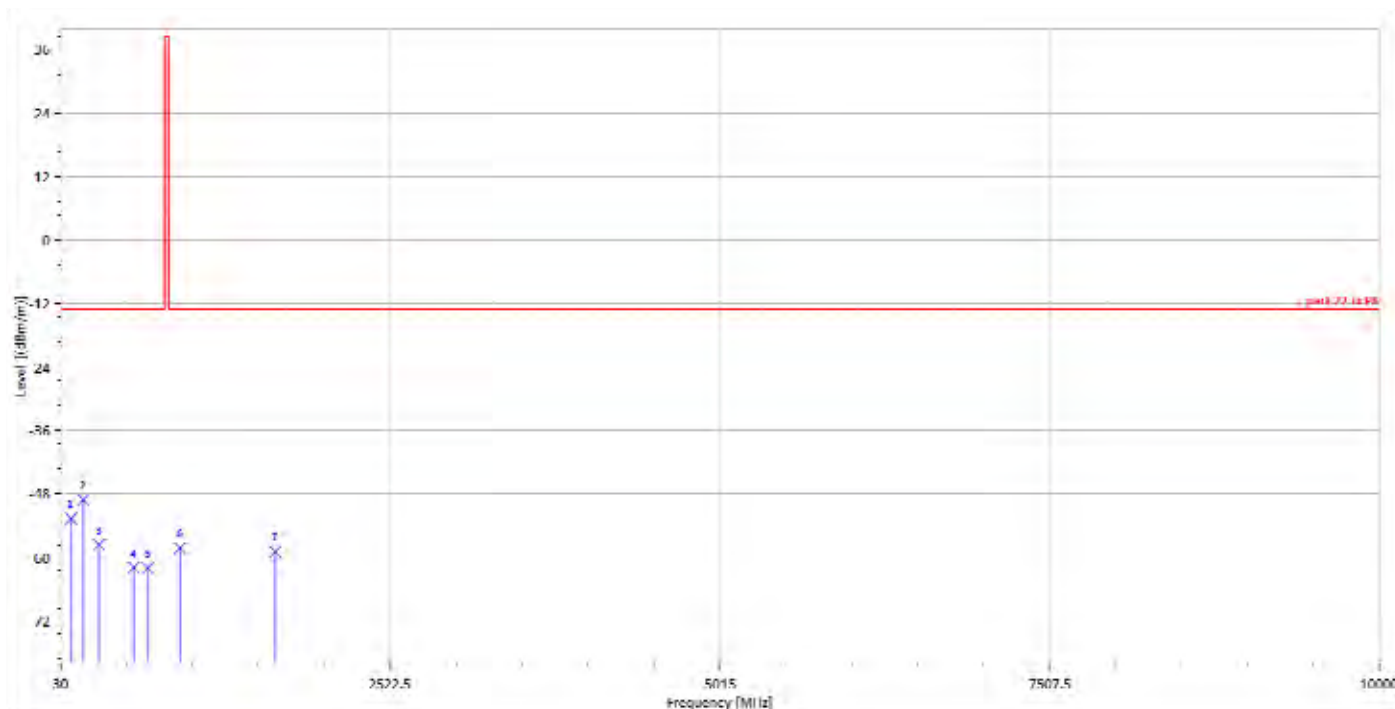
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Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Operation Mode :	WCDMA B5	Test Date :	2017/9/28
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
110.51	S	-52.65	-49.56	-1.64	-1.45	-13	-39.65
204.60	S	-49.11	-52.97	5.88	-2.01	-13	-36.11
324.88	S	-57.55	-60.89	5.92	-2.58	-13	-44.55
583.87	S	-61.90	-65.22	6.83	-3.51	-13	-48.90
691.54	S	-61.95	-65.77	7.62	-3.80	-13	-48.95
937.92	S	-58.18	-61.63	7.95	-4.49	-13	-45.18
1652.80	H	-58.89	-59.02	6.59	-6.46	-13	-45.89

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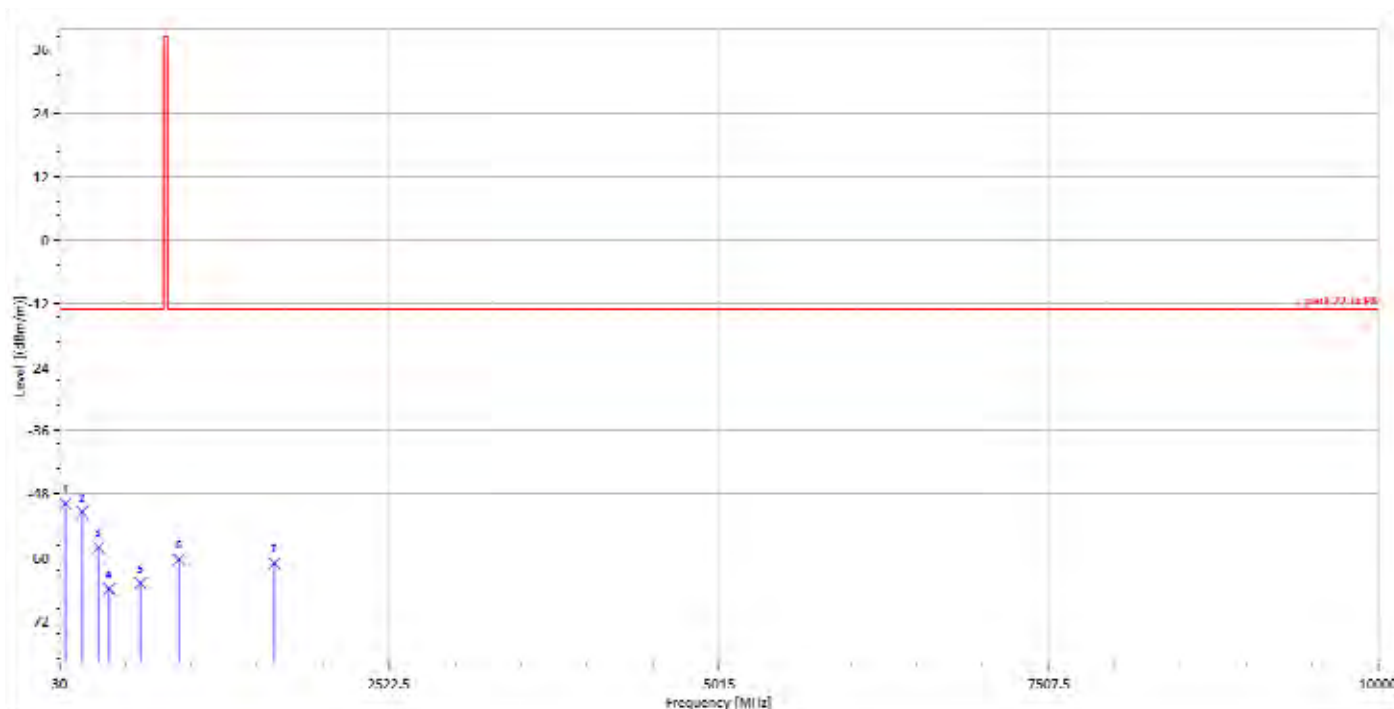
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Operation Mode : WCDMA B5 Test Date : 2017/9/28
Fundamental Frequency : 826.4 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
75.59	S	-49.87	-49.00	0.31	-1.18	-13	-36.87
204.60	S	-51.45	-55.32	5.88	-2.01	-13	-38.45
327.79	S	-58.03	-61.37	5.93	-2.59	-13	-45.03
408.30	S	-65.94	-68.87	5.84	-2.91	-13	-52.94
643.04	S	-64.92	-68.38	7.14	-3.68	-13	-51.92
937.92	S	-60.35	-63.80	7.95	-4.49	-13	-47.35
1652.80	H	-61.07	-61.20	6.59	-6.46	-13	-48.07

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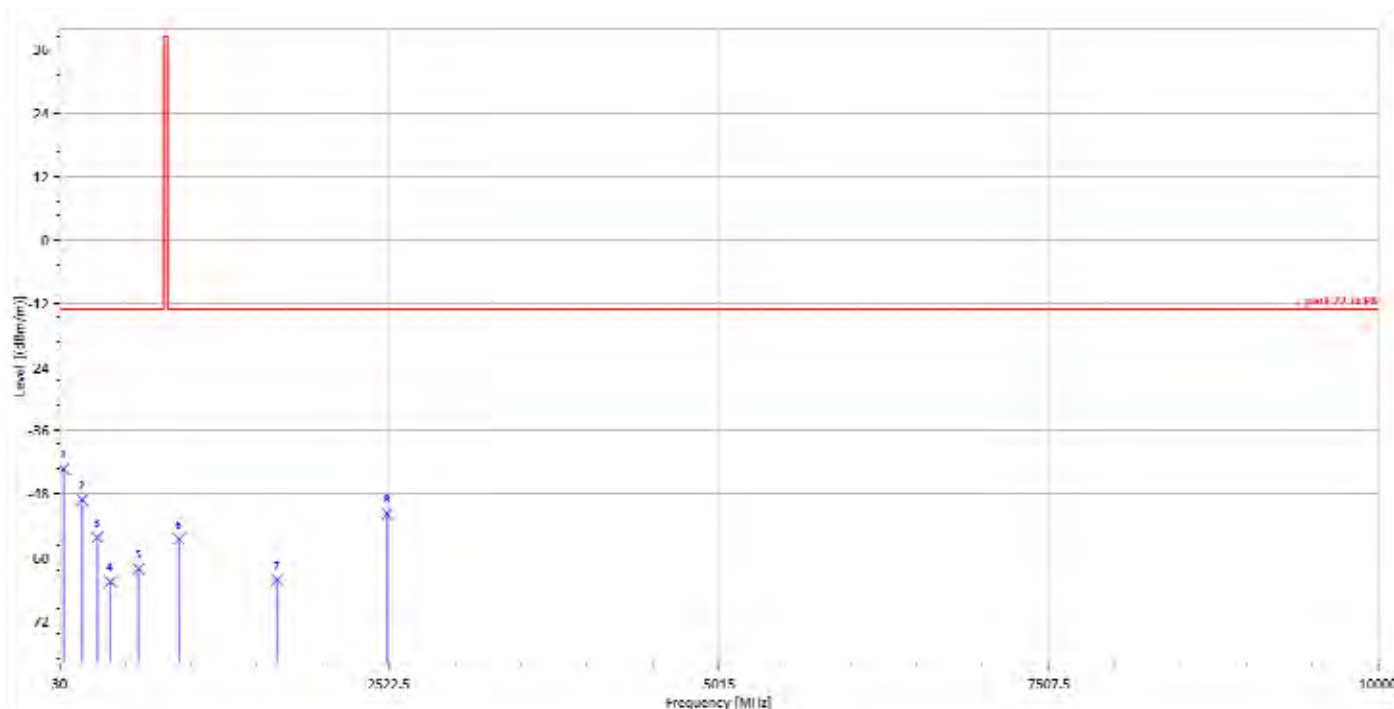
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Operation Mode : WCDMA B5 Test Date : 2017/9/28
Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
61.04	S	-43.22	-41.08	-1.09	-1.06	-13	-30.22
203.63	S	-49.11	-52.95	5.85	-2.01	-13	-36.11
320.03	S	-56.14	-59.48	5.91	-2.56	-13	-43.14
418.00	S	-64.65	-67.64	5.94	-2.94	-13	-51.65
626.55	S	-62.17	-65.60	7.08	-3.64	-13	-49.17
937.92	S	-56.47	-59.93	7.95	-4.49	-13	-43.47
1673.20	H	-64.29	-64.47	6.68	-6.50	-13	-51.29
2509.80	H	-51.71	-52.43	8.56	-7.84	-13	-38.71

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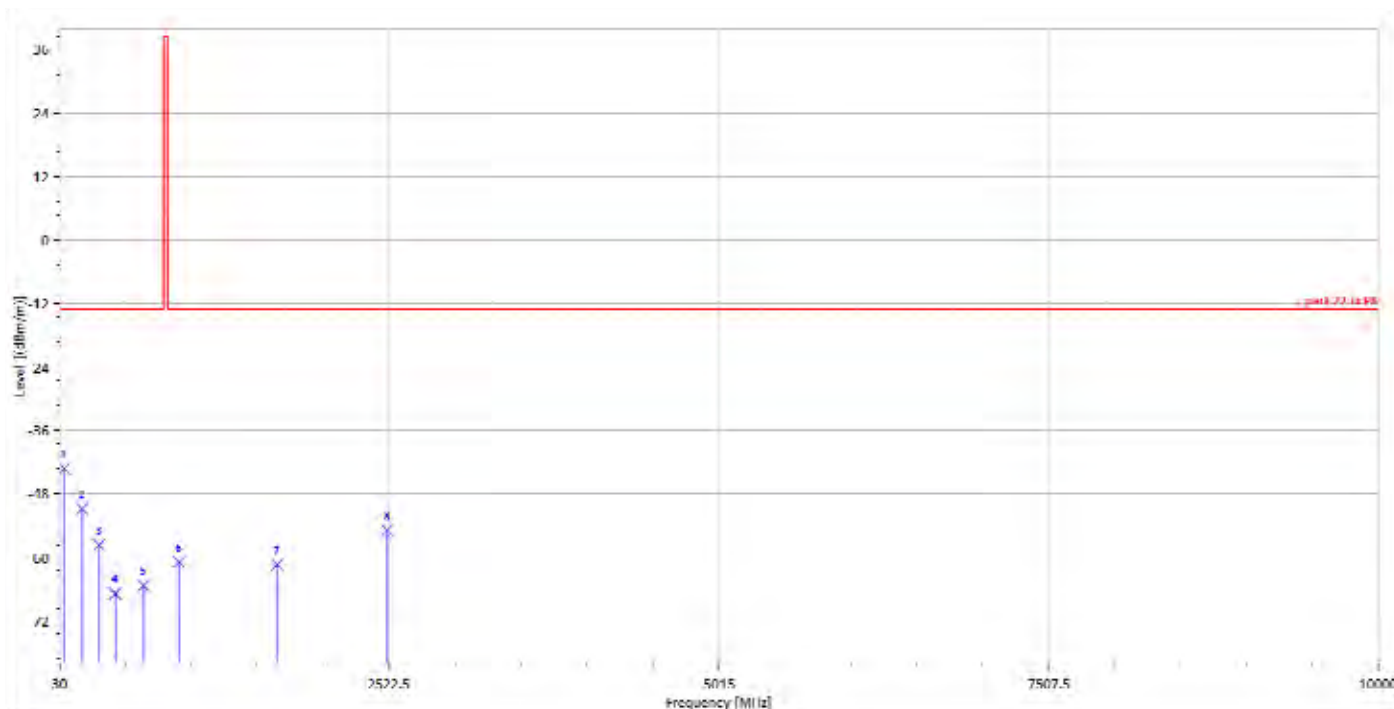
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Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
65.89	S	-43.18	-41.64	-0.44	-1.10	-13	-30.18
204.60	S	-50.86	-54.73	5.88	-2.01	-13	-37.86
332.64	S	-57.60	-60.94	5.94	-2.61	-13	-44.60
452.92	S	-66.81	-70.04	6.29	-3.06	-13	-53.81
667.29	S	-65.36	-68.98	7.36	-3.73	-13	-52.36
937.92	S	-60.87	-64.33	7.95	-4.49	-13	-47.87
1673.20	H	-61.40	-61.58	6.68	-6.50	-13	-48.40
2509.80	H	-54.75	-55.47	8.56	-7.84	-13	-41.75

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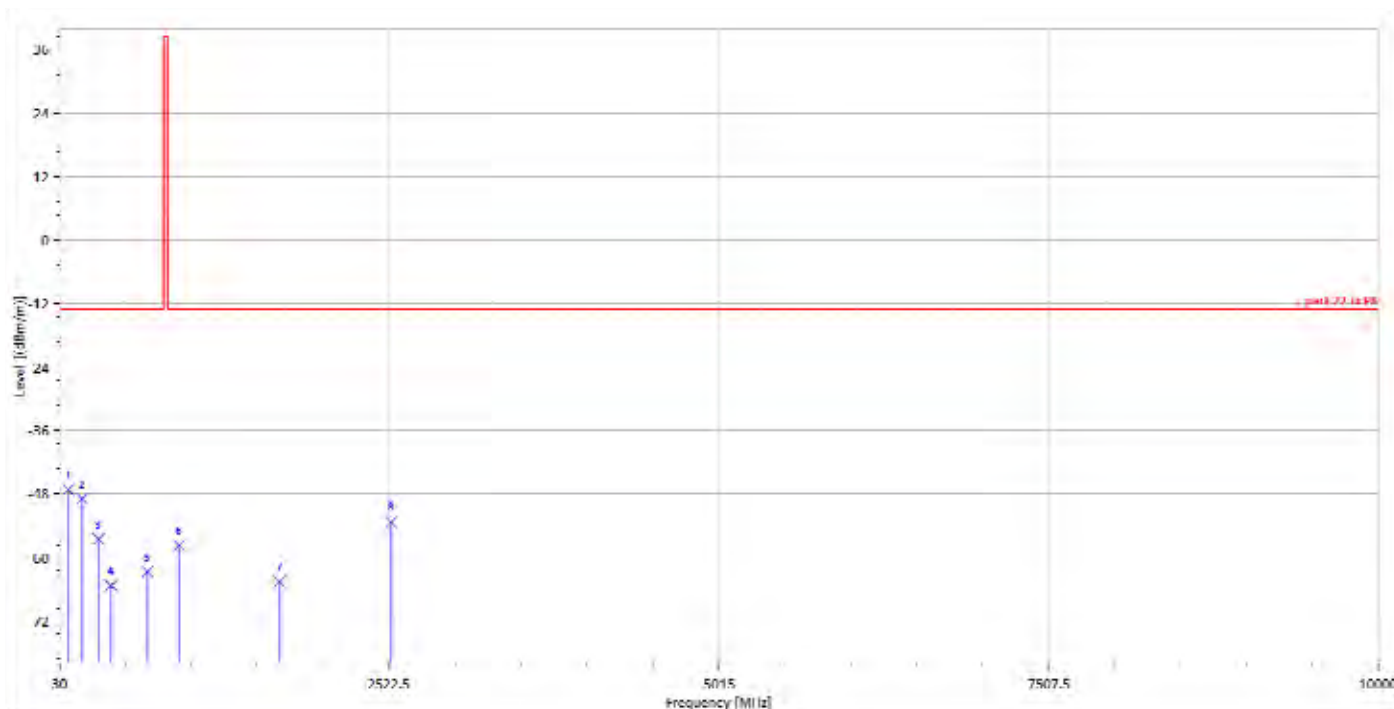
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Fundamental Frequency : 846.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
97.90	S	-47.21	-44.80	-1.04	-1.36	-13	-34.21
202.66	S	-48.95	-52.77	5.82	-2.00	-13	-35.95
329.73	S	-56.45	-59.79	5.94	-2.60	-13	-43.45
422.85	S	-65.37	-68.40	5.99	-2.96	-13	-52.37
695.42	S	-62.68	-66.54	7.66	-3.81	-13	-49.68
937.92	S	-57.65	-61.11	7.95	-4.49	-13	-44.65
1693.20	H	-64.63	-64.84	6.76	-6.55	-13	-51.63
2539.80	H	-53.20	-53.93	8.60	-7.87	-13	-40.20

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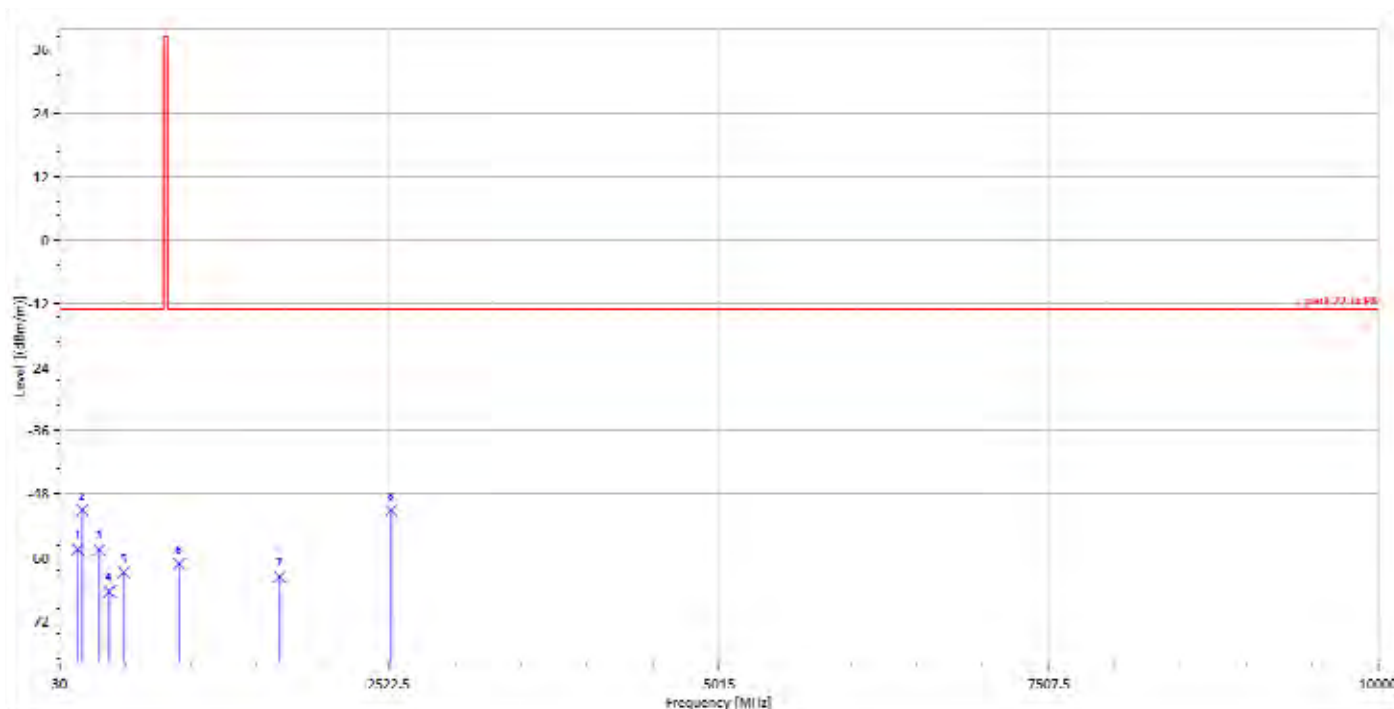
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Fundamental Frequency : 846.6 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
169.68	S	-58.46	-60.92	4.28	-1.83	-13	-45.46
204.60	S	-51.09	-54.95	5.88	-2.01	-13	-38.09
333.61	S	-58.52	-61.86	5.95	-2.61	-13	-45.52
410.24	S	-66.42	-69.35	5.86	-2.92	-13	-53.42
515.00	S	-62.85	-66.06	6.50	-3.29	-13	-49.85
938.89	S	-61.19	-64.64	7.95	-4.50	-13	-48.19
1693.20	H	-63.70	-63.92	6.76	-6.55	-13	-50.70
2539.80	H	-51.16	-51.89	8.60	-7.87	-13	-38.16

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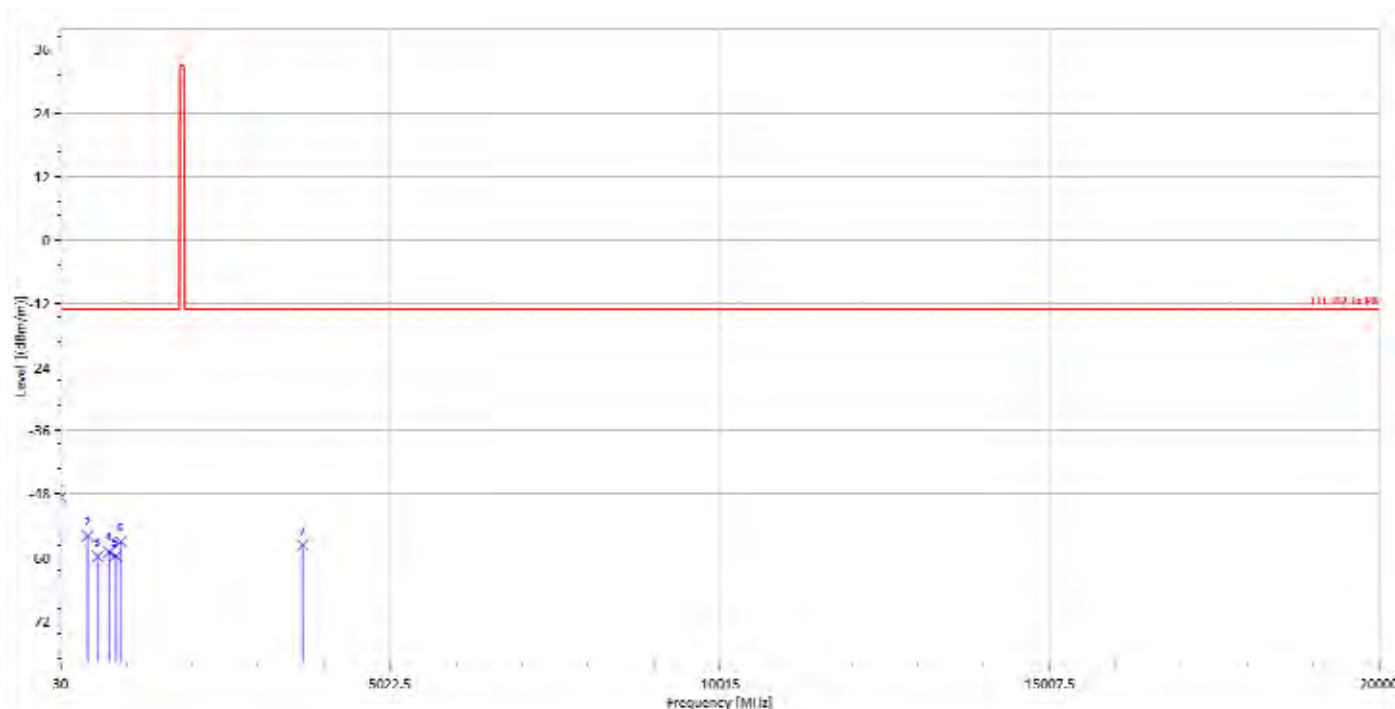
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Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

Operation Mode : LTEB2 1.4M QPSK RB 1.0 Test Date : 2017/9/29
Fundamental Frequency : 1850.7 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
35.82	S	-48.66	-32.22	-15.59	-0.84	-13	-35.66
446.13	S	-55.86	-59.06	6.23	-3.03	-13	-42.86
602.30	S	-59.81	-63.22	6.98	-3.58	-13	-46.81
775.93	S	-58.95	-62.66	7.74	-4.03	-13	-45.95
866.14	S	-59.72	-63.22	7.83	-4.33	-13	-46.72
937.92	S	-56.98	-60.43	7.95	-4.49	-13	-43.98
3701.40	H	-57.61	-61.13	12.42	-8.90	-13	-44.61

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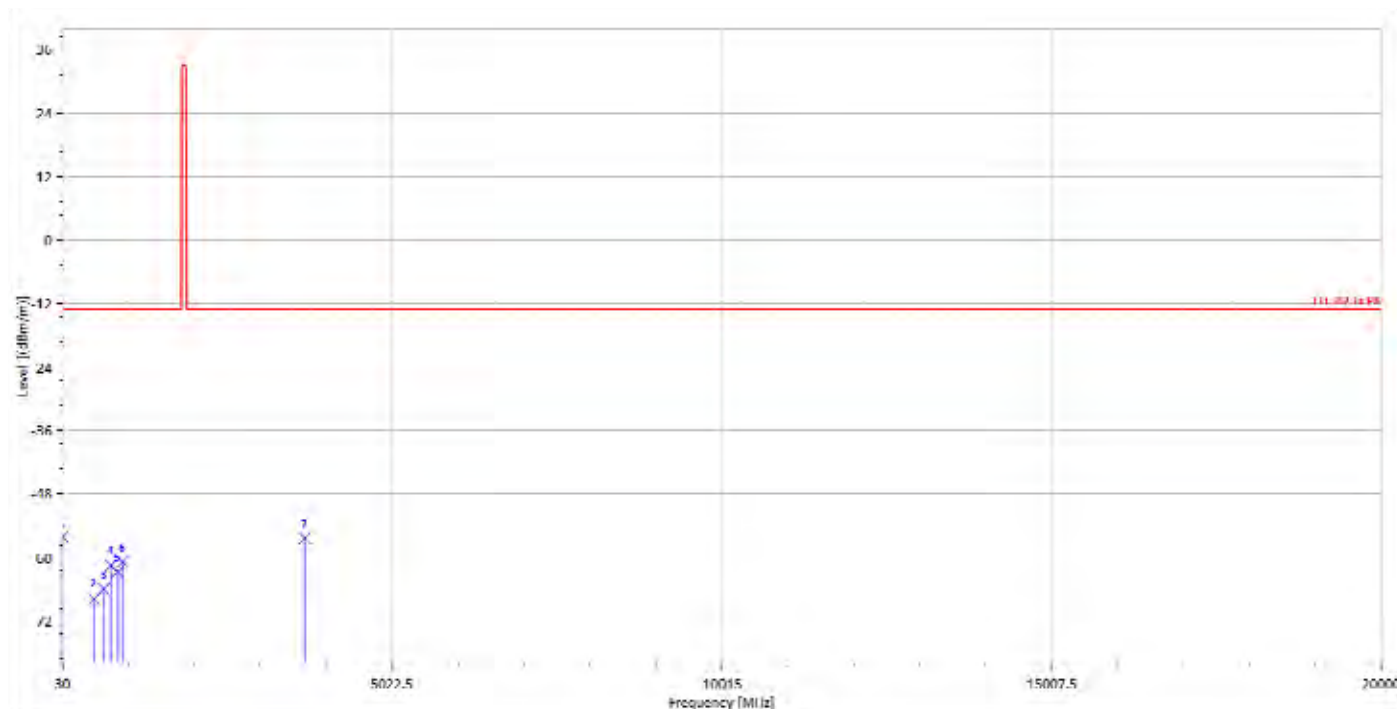
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Operation Mode : LTEB2 1.4M QPSK RB 1.0 Test Date : 2017/9/29
Fundamental Frequency : 1850.7 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.04	-36.44	-18.78	-0.83	-13	-43.04
513.06	S	-67.75	-70.97	6.50	-3.28	-13	-54.75
663.41	S	-65.96	-69.55	7.31	-3.73	-13	-52.96
773.99	S	-61.52	-65.23	7.74	-4.03	-13	-48.52
867.11	S	-62.77	-66.27	7.83	-4.33	-13	-49.77
937.92	S	-60.86	-64.31	7.95	-4.49	-13	-47.86
3701.40	H	-56.30	-59.82	12.42	-8.90	-13	-43.30

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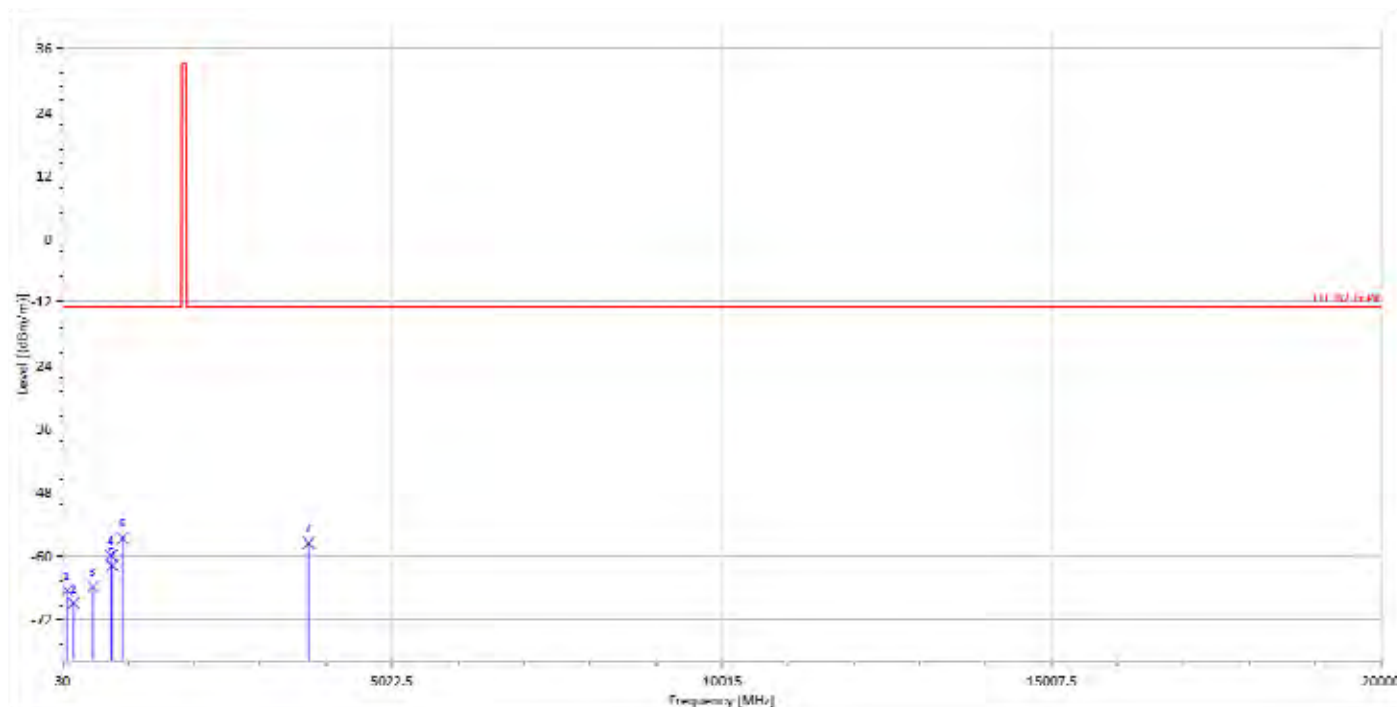
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Operation Mode : LTEB2 1.4M QPSK RB 1.0 Test Date : 2017/9/29
Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
101.78	S	-66.66	-63.91	-1.36	-1.39	-13	-53.66
197.81	S	-69.08	-72.86	5.76	-1.98	-13	-56.08
496.57	S	-65.92	-69.18	6.47	-3.22	-13	-52.92
773.99	S	-59.93	-63.65	7.74	-4.03	-13	-46.93
791.45	S	-61.90	-65.57	7.76	-4.09	-13	-48.90
937.92	S	-56.74	-60.19	7.95	-4.49	-13	-43.74
3760.00	H	-57.62	-61.14	12.46	-8.94	-13	-44.62

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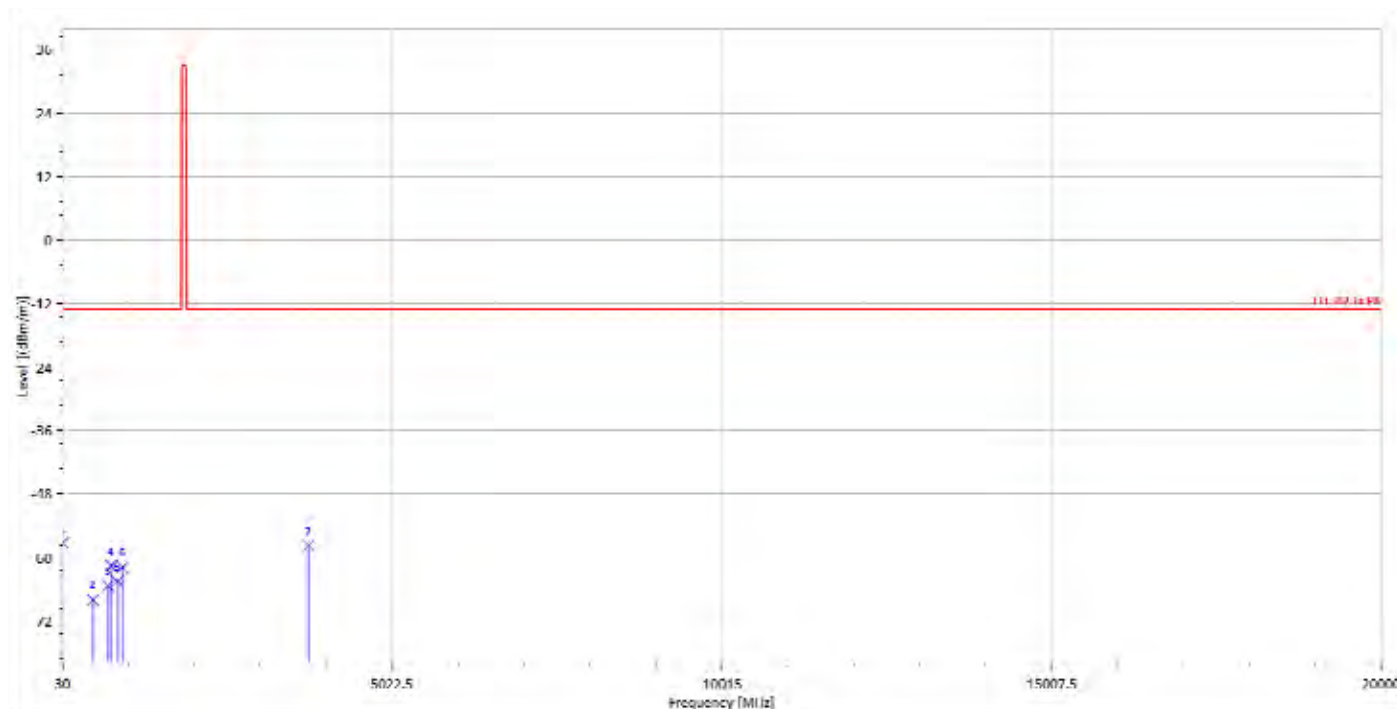
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Operation Mode : LTEB2 1.4M QPSK RB 1.0 Test Date : 2017/9/29
Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
32.91	S	-57.20	-38.38	-18.00	-0.83	-13	-44.20
497.54	S	-67.92	-71.18	6.48	-3.22	-13	-54.92
730.34	S	-65.39	-69.20	7.71	-3.90	-13	-52.39
775.93	S	-61.54	-65.25	7.74	-4.03	-13	-48.54
865.17	S	-64.52	-68.02	7.83	-4.33	-13	-51.52
937.92	S	-61.86	-65.31	7.95	-4.49	-13	-48.86
3760.00	H	-57.68	-61.20	12.46	-8.94	-13	-44.68

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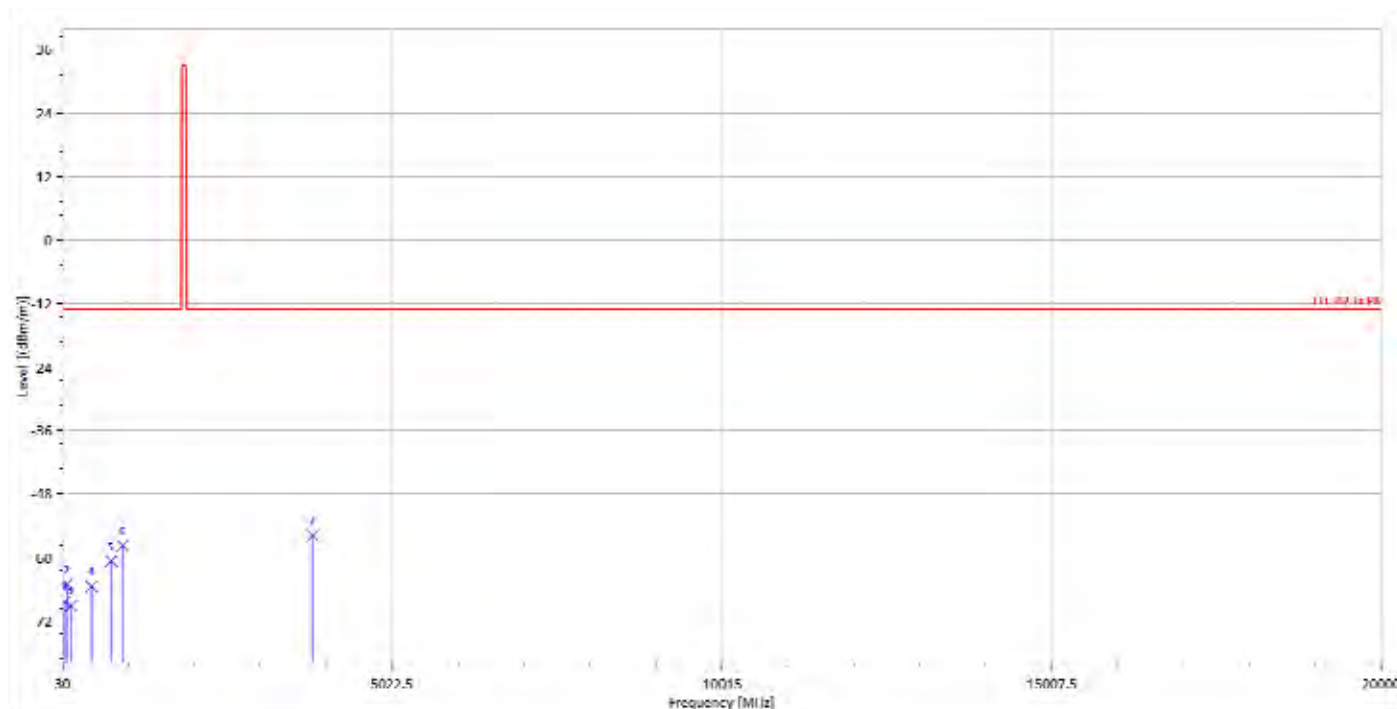
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Operation Mode : LTEB2 1.4M QPSK RB 1.0 Test Date : 2017/9/29
Fundamental Frequency : 1909.3 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
61.04	S	-68.37	-66.23	-1.09	-1.06	-13	-55.37
101.78	S	-65.09	-62.34	-1.36	-1.39	-13	-52.09
161.92	S	-69.05	-70.68	3.41	-1.78	-13	-56.05
475.23	S	-65.51	-68.76	6.38	-3.13	-13	-52.51
773.99	S	-60.66	-64.37	7.74	-4.03	-13	-47.66
937.92	S	-57.73	-61.18	7.95	-4.49	-13	-44.73
3818.60	H	-55.81	-59.32	12.49	-8.98	-13	-42.81

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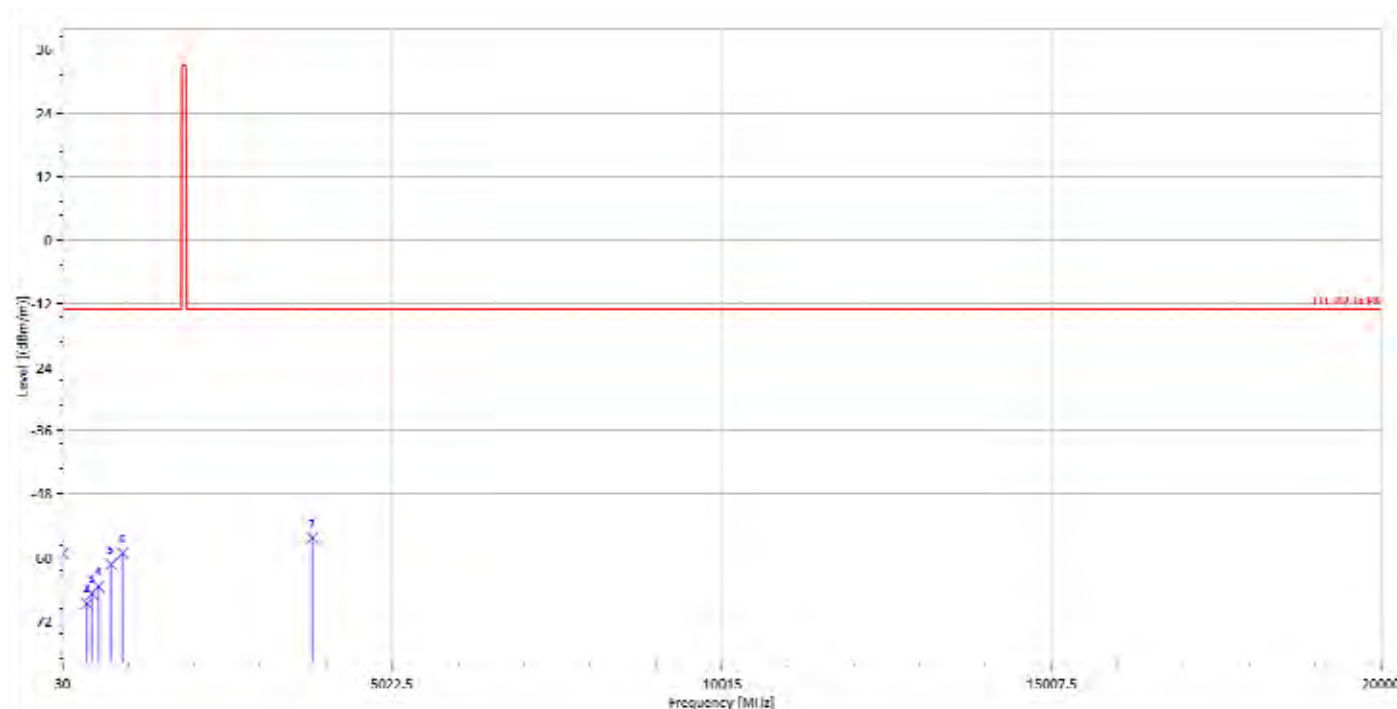
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Operation Mode : LTEB2 1.4M QPSK RB 1.0 Test Date : 2017/9/29
Fundamental Frequency : 1909.3 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
34.85	S	-59.20	-41.93	-16.43	-0.84	-13	-46.20
404.42	S	-68.66	-71.56	5.80	-2.89	-13	-55.66
481.05	S	-66.76	-70.01	6.41	-3.15	-13	-53.76
582.90	S	-65.53	-68.85	6.82	-3.50	-13	-52.53
773.02	S	-61.31	-65.03	7.74	-4.02	-13	-48.31
936.95	S	-59.16	-62.62	7.95	-4.49	-13	-46.16
3818.60	H	-56.27	-59.78	12.49	-8.98	-13	-43.27

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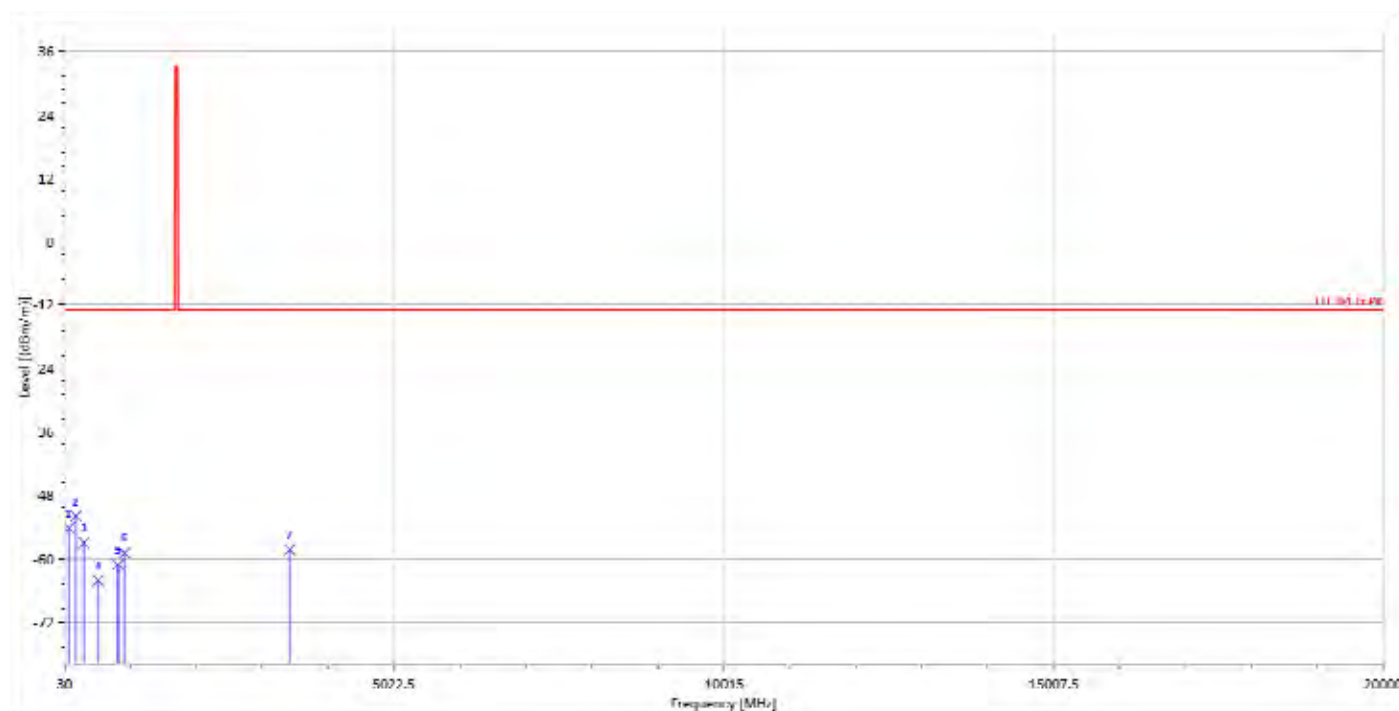
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Radiated Spurious Emission Measurement Result: LTE-Band 4 (The Worst Case)

Operation Mode : LTEB4 20M 64QAM RB
Fundamental Frequency : 1720.0 MHz
Operation Band : Tx CH Low
EUT Pol. : E2

Test Date : 2017/9/27
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Ashton
Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
97.90	S	-54.28	-51.88	-1.04	-1.36	-13	-41.28
204.60	S	-51.98	-55.85	5.88	-2.01	-13	-38.98
328.76	S	-57.06	-60.39	5.93	-2.60	-13	-44.06
546.04	S	-64.12	-67.24	6.52	-3.40	-13	-51.12
841.89	S	-61.12	-64.67	7.79	-4.25	-13	-48.12
936.95	S	-58.88	-62.33	7.95	-4.49	-13	-45.88
3440.00	H	-58.23	-59.55	10.03	-8.71	-13	-45.23

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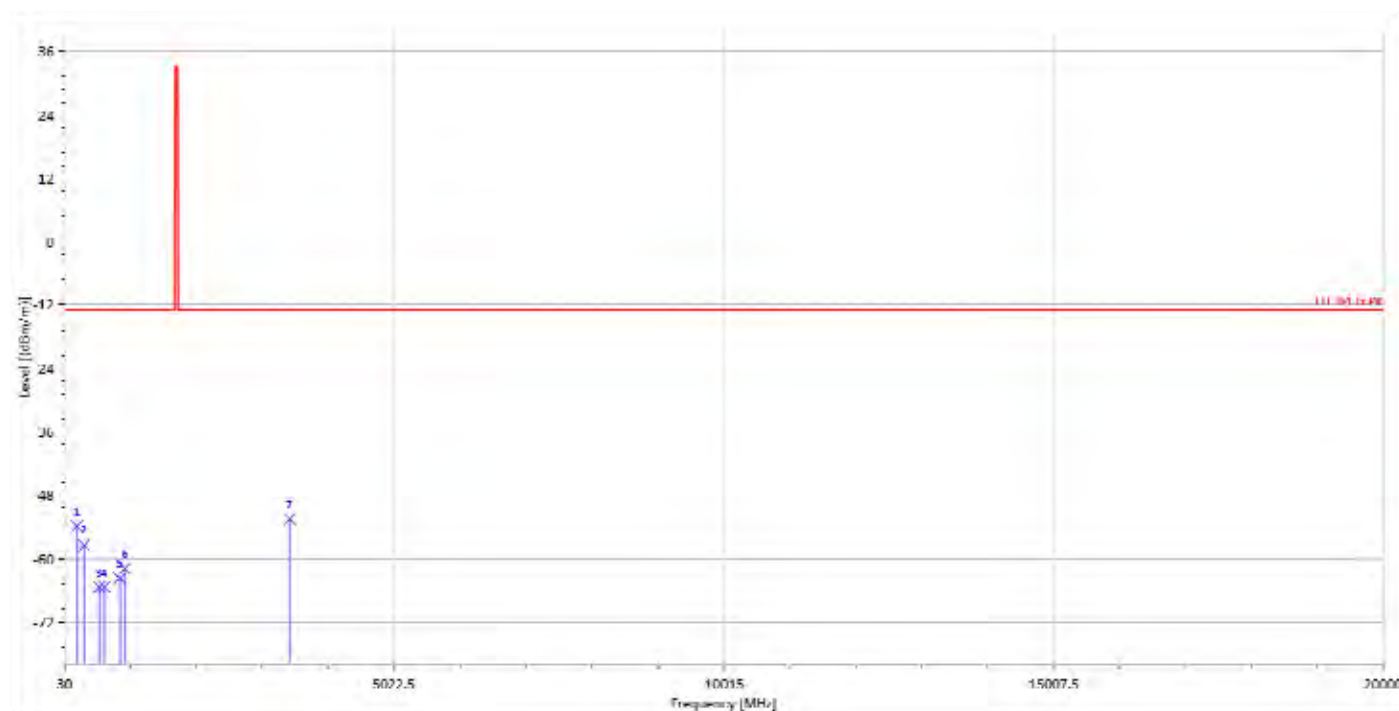
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Operation Mode : LTEB4 20M 64QAM RB
Fundamental Frequency : 1.99
Operation Band : 1720.0 MHz
EUT Pol. : Tx CH Low
E2

Test Date : 2017/9/27
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Ashton
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
222.06	S	-53.90	-58.09	6.29	-2.10	-13	-40.90
332.64	S	-57.45	-60.79	5.94	-2.61	-13	-44.45
564.47	S	-65.44	-68.65	6.65	-3.44	-13	-52.44
643.04	S	-65.44	-68.90	7.14	-3.68	-13	-52.44
870.02	S	-63.69	-67.19	7.84	-4.34	-13	-50.69
942.77	S	-61.88	-65.33	7.95	-4.51	-13	-48.88
3440.00	H	-52.57	-53.89	10.03	-8.71	-13	-39.57

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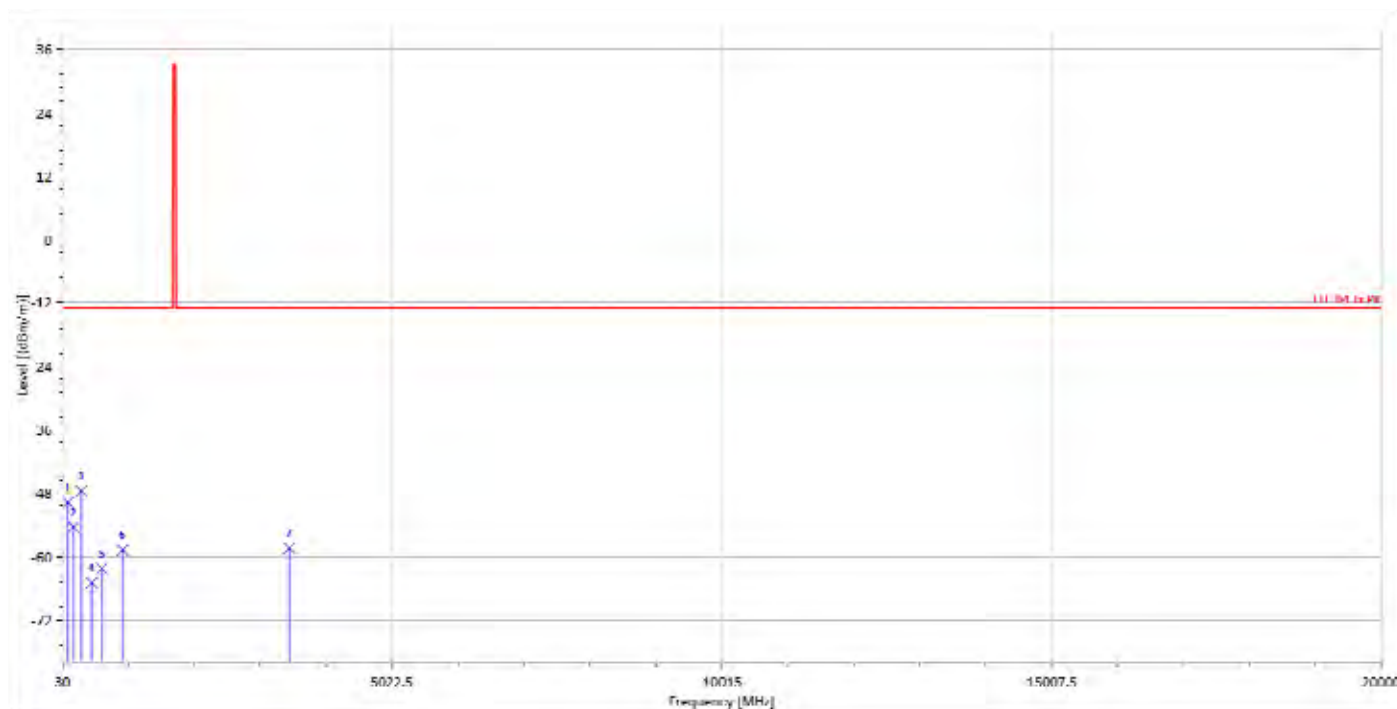
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Operation Mode : LTEB4 20M 64QAM RB
Fundamental Frequency : 1.99
Operation Band : 1732.5 MHz
EUT Pol. : Tx CH Mid E2

Test Date : 2017/9/27
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Ashton
Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
110.51	S	-49.73	-46.64	-1.64	-1.45	-13	-36.73
194.90	S	-54.52	-58.36	5.81	-1.96	-13	-41.52
318.09	S	-47.55	-50.90	5.90	-2.55	-13	-34.55
478.14	S	-64.97	-68.22	6.40	-3.14	-13	-51.97
634.31	S	-62.26	-65.71	7.11	-3.66	-13	-49.26
937.92	S	-58.71	-62.16	7.95	-4.49	-13	-45.71
3465.00	H	-58.34	-59.69	10.08	-8.73	-13	-45.34

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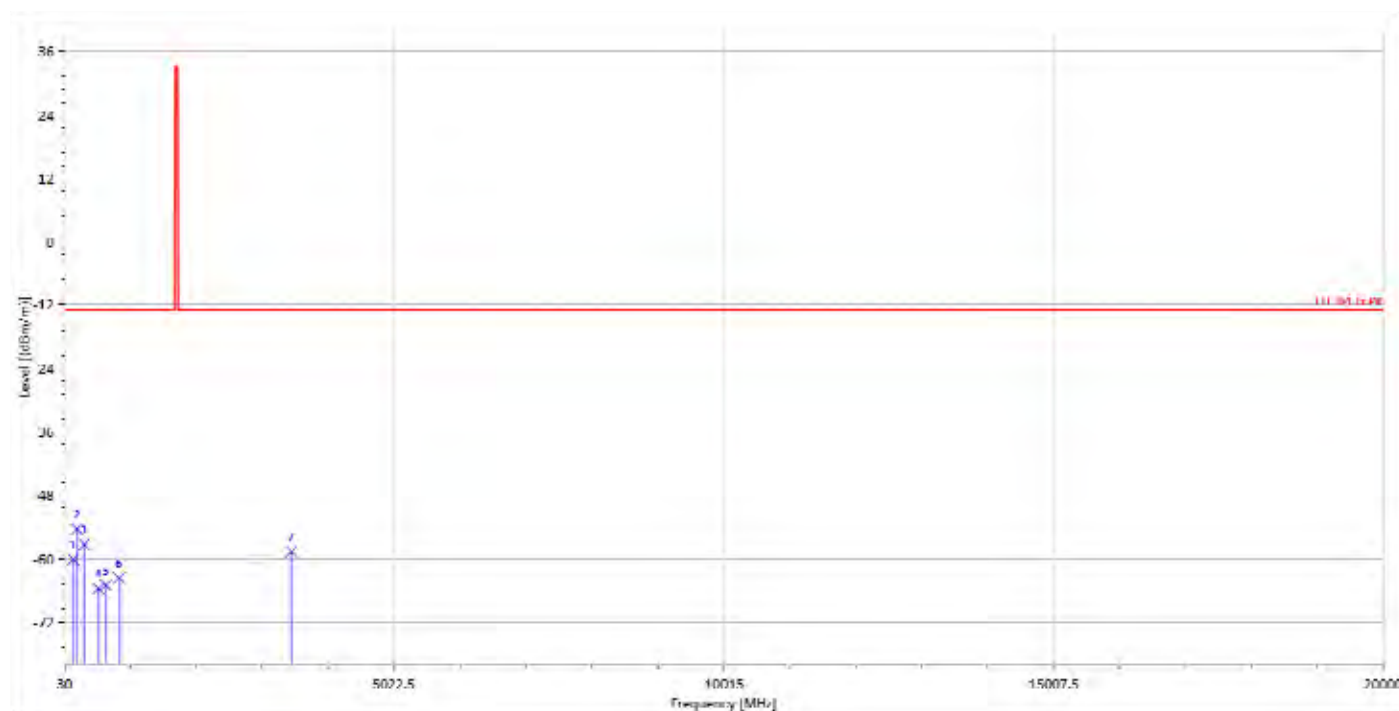
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Operation Mode : LTEB4 20M 64QAM RB
Fundamental Frequency : 1.99
Operation Band : 1732.5 MHz
EUT Pol. : Tx CH Mid
E2

Test Date : 2017/9/27
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Ashton
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
164.83	S	-60.10	-62.03	3.74	-1.80	-13	-47.10
222.06	S	-54.50	-58.69	6.29	-2.10	-13	-41.50
333.61	S	-57.32	-60.66	5.95	-2.61	-13	-44.32
549.92	S	-65.70	-68.81	6.52	-3.41	-13	-52.70
665.35	S	-65.05	-68.66	7.34	-3.73	-13	-52.05
860.32	S	-63.66	-67.17	7.82	-4.31	-13	-50.66
3465.00	H	-58.62	-59.97	10.08	-8.73	-13	-45.62

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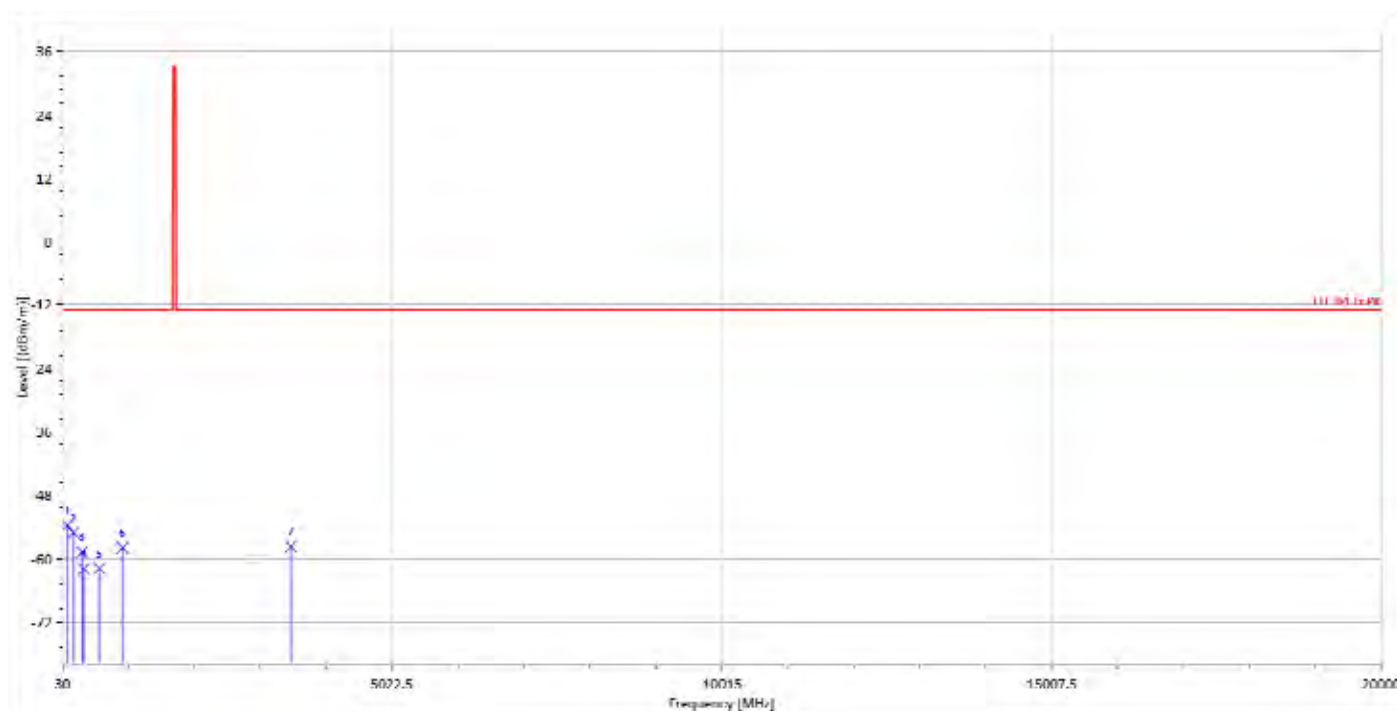
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Operation Mode : LTEB4 20M 64QAM RB
Fundamental Frequency : 1.99
Operation Band : 1745 MHz
EUT Pol. : Tx CH High E2

Test Date : 2017/9/28
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Ashton
Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
103.72	S	-53.76	-50.92	-1.43	-1.41	-13	-40.76
197.81	S	-55.20	-58.98	5.76	-1.98	-13	-42.20
331.67	S	-58.67	-62.01	5.94	-2.61	-13	-45.67
357.86	S	-61.92	-65.17	5.95	-2.70	-13	-48.92
596.48	S	-61.86	-65.25	6.94	-3.56	-13	-48.86
936.95	S	-57.91	-61.37	7.95	-4.49	-13	-44.91
3490.00	H	-57.66	-59.04	10.13	-8.75	-13	-44.66

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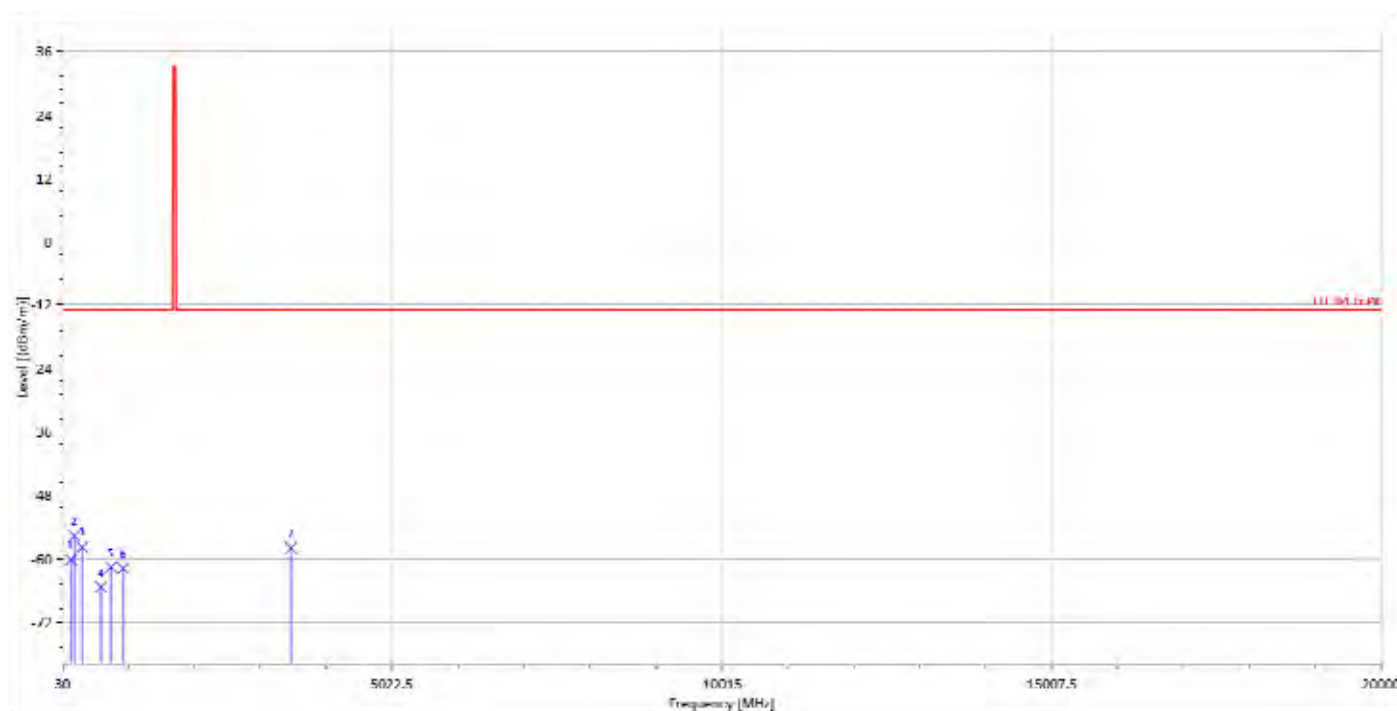
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Operation Mode : LTEB4 20M 64QAM RB
Fundamental Frequency : 1.99
Operation Band : 1745 MHz
EUT Pol. : Tx CH High
E2

Test Date : 2017/9/27
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Ashton
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
161.92	S	-60.17	-61.80	3.41	-1.78	-13	-47.17
213.33	S	-55.78	-59.88	6.16	-2.06	-13	-42.78
330.70	S	-57.79	-61.13	5.94	-2.60	-13	-44.79
620.73	S	-65.42	-68.84	7.05	-3.63	-13	-52.42
773.02	S	-61.58	-65.30	7.74	-4.02	-13	-48.58
946.65	S	-61.84	-65.29	7.96	-4.51	-13	-48.84
3490.00	H	-57.97	-59.34	10.13	-8.75	-13	-44.97

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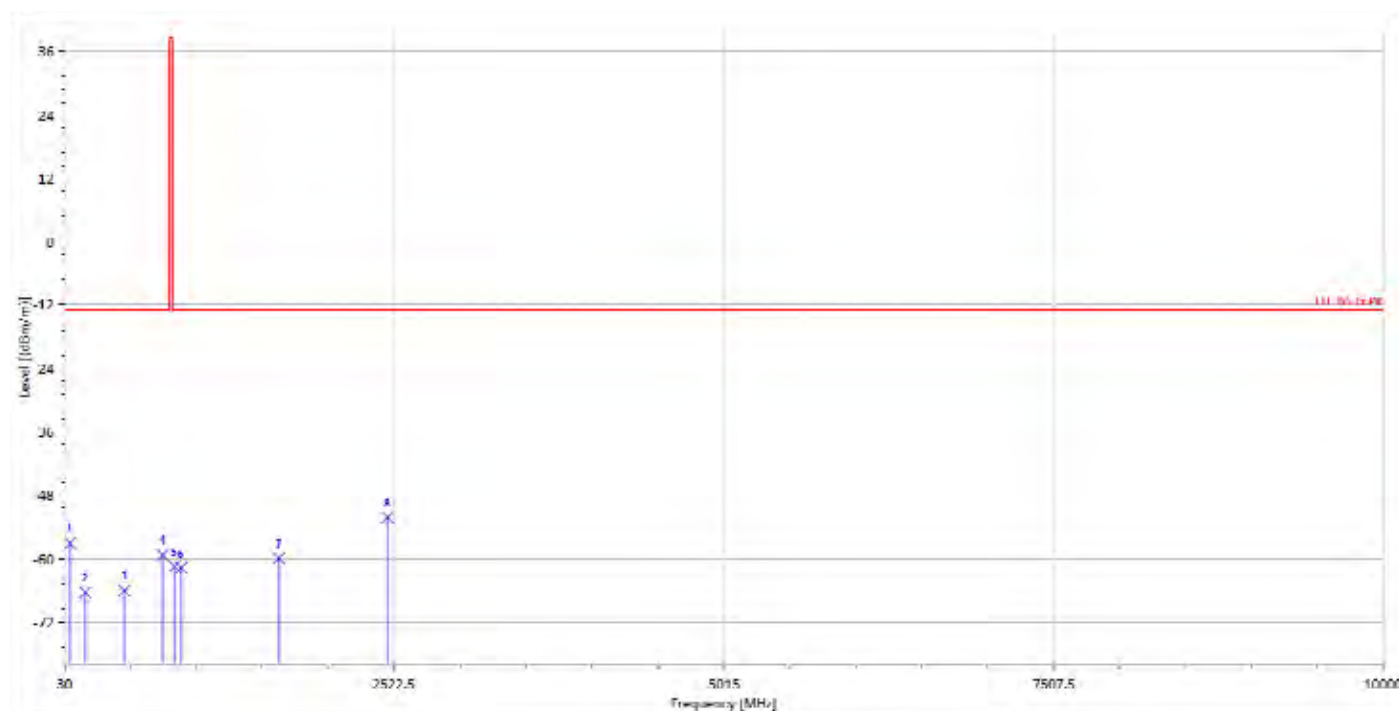
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Radiated Spurious Emission Measurement Result: LTE-Band 5 (The Worst Case)

LTEB5 1.4M 16QAM RB			
Operation Mode :	1.0	Test Date :	2017/9/29
Fundamental Frequency :	824.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
71.71	S	-57.12	-54.07	-1.90	-1.15	-13	-44.12
189.08	S	-66.39	-68.55	4.10	-1.93	-13	-53.39
481.05	S	-66.12	-66.85	3.88	-3.15	-13	-53.12
773.02	S	-59.28	-60.45	5.19	-4.02	-13	-46.28
864.20	S	-61.49	-62.27	5.10	-4.32	-13	-48.49
915.61	S	-61.74	-62.60	5.29	-4.44	-13	-48.74
1649.40	H	-59.91	-60.03	6.57	-6.45	-13	-46.91
2474.10	H	-52.26	-52.99	8.52	-7.79	-13	-39.26

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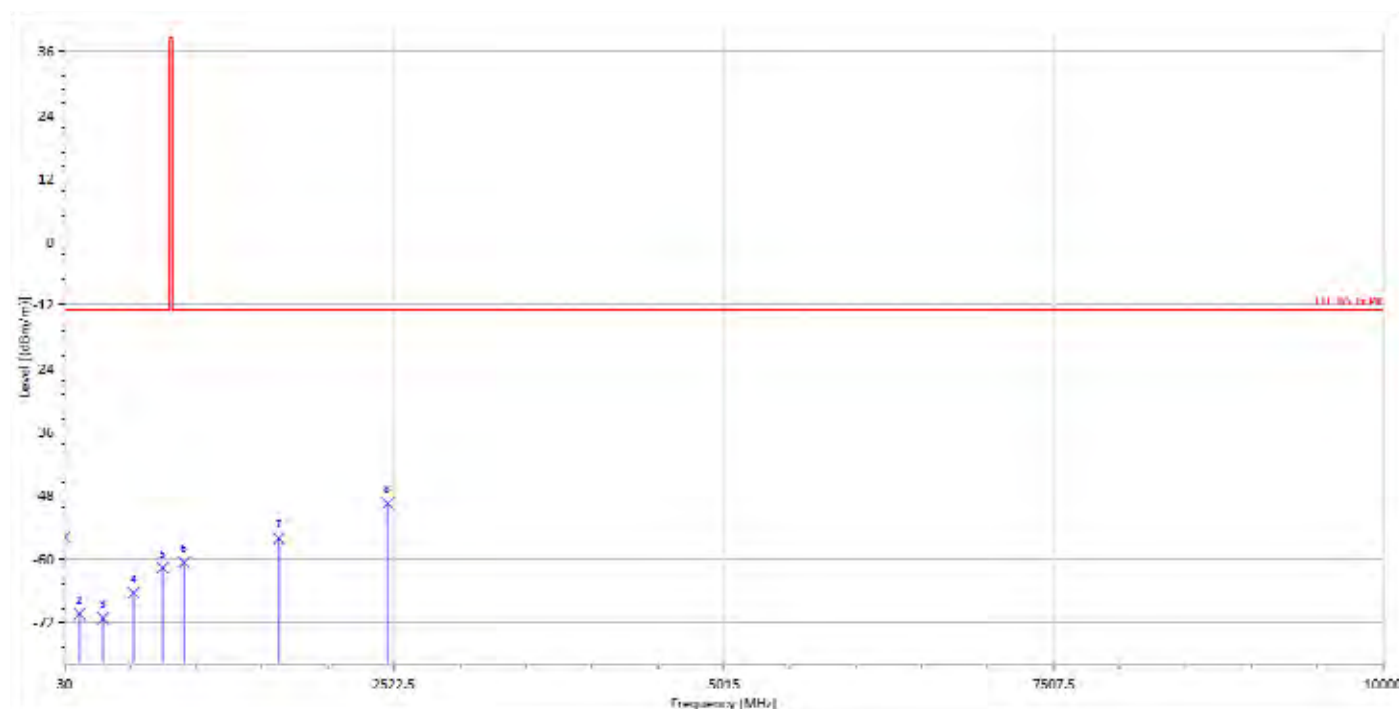
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Operation Mode : LTEB5 1.4M 16QAM RB
Fundamental Frequency : 1.0
Operation Band : 824.7 MHz
EUT Pol. : Tx CH Low
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-55.95	-35.15	-19.97	-0.83	-13	-42.95
146.40	S	-70.55	-68.60	-0.26	-1.69	-13	-57.55
324.88	S	-71.31	-72.20	3.47	-2.58	-13	-58.31
551.86	S	-66.54	-67.11	3.98	-3.41	-13	-53.54
774.96	S	-61.73	-62.89	5.19	-4.03	-13	-48.73
937.92	S	-60.70	-61.58	5.37	-4.49	-13	-47.70
1649.40	H	-56.26	-56.38	6.57	-6.45	-13	-43.26
2474.10	H	-49.56	-50.29	8.52	-7.79	-13	-36.56

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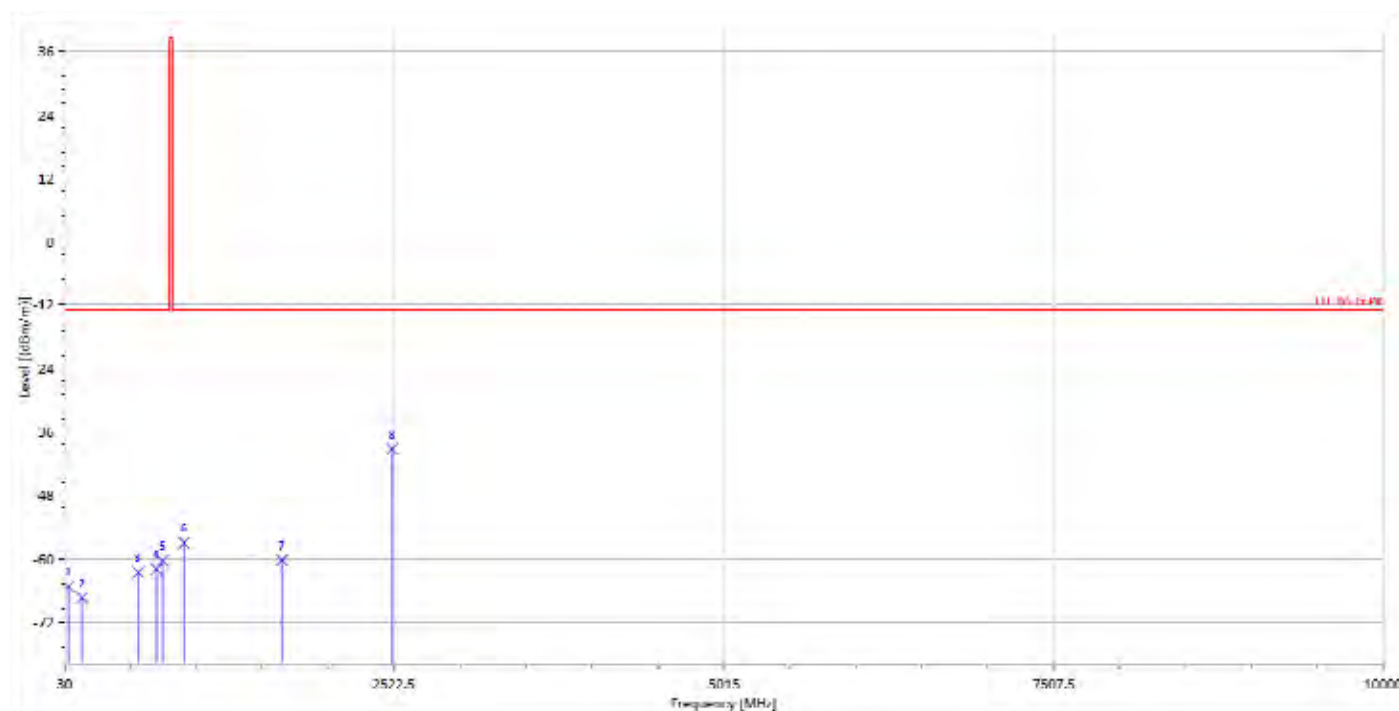
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Operation Mode :	LTEB5 1.4M 16QAM RB	Test Date :	2017/9/29
Fundamental Frequency :	1.0	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	836.5 MHz	Test Engineer :	Enzo
EUT Pol. :	Tx CH Mid	Measurement Antenna Pol. :	Vertical
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
61.04	S	-65.32	-61.21	-3.05	-1.06	-13	-52.32
162.89	S	-67.45	-67.36	1.70	-1.79	-13	-54.45
587.75	S	-62.59	-63.31	4.23	-3.52	-13	-49.59
727.43	S	-61.96	-63.18	5.11	-3.89	-13	-48.96
773.99	S	-60.37	-61.53	5.19	-4.03	-13	-47.37
937.92	S	-57.05	-57.93	5.37	-4.49	-13	-44.05
1673.00	H	-60.25	-60.41	6.65	-6.49	-13	-47.25
2509.50	H	-39.32	-40.04	8.55	-7.83	-13	-26.32

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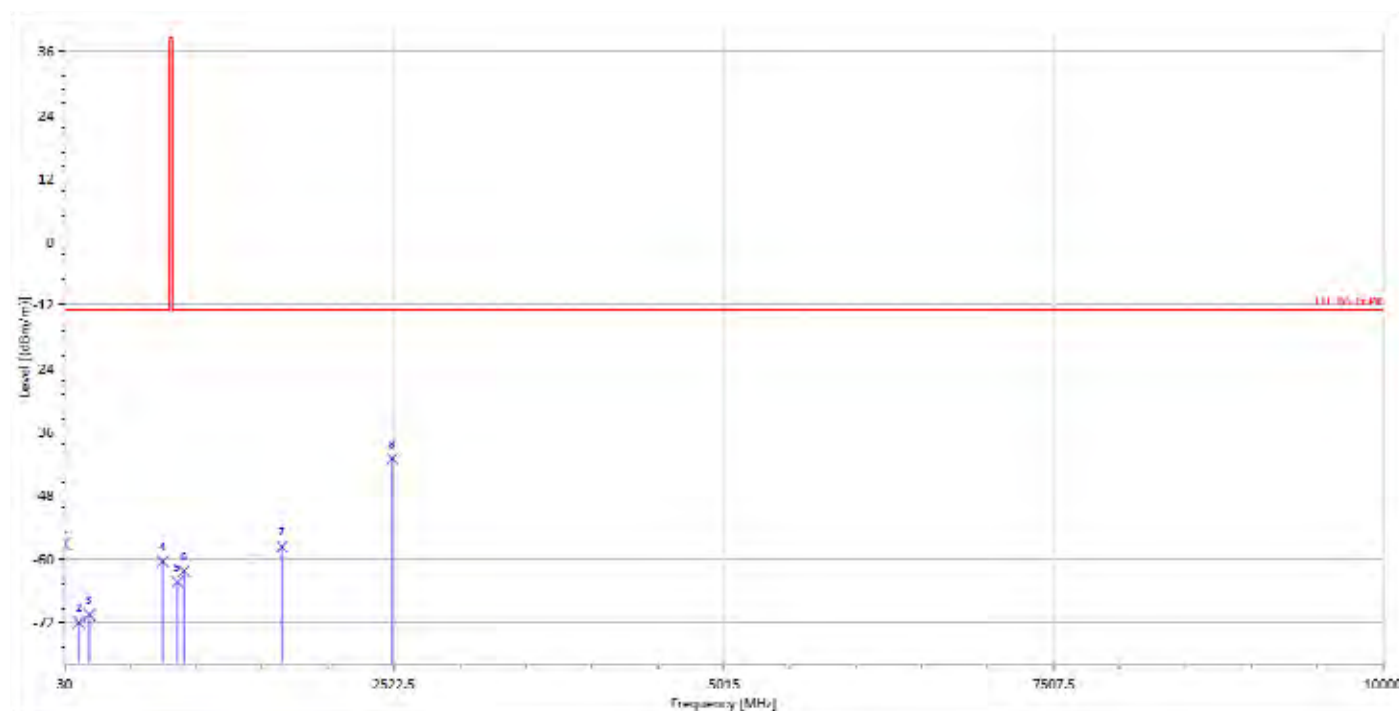
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LTEB5 1.4M 16QAM RB			
Operation Mode :	1.0	Test Date :	2017/9/29
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
31.94	S	-57.21	-35.56	-20.82	-0.83	-13	-44.21
140.58	S	-72.05	-69.26	-1.13	-1.65	-13	-59.05
220.12	S	-70.68	-72.60	4.00	-2.09	-13	-57.68
773.99	S	-60.47	-61.63	5.19	-4.03	-13	-47.47
887.48	S	-64.43	-65.24	5.19	-4.38	-13	-51.43
937.92	S	-62.31	-63.18	5.37	-4.49	-13	-49.31
1673.00	H	-57.71	-57.87	6.65	-6.49	-13	-44.71
2509.50	H	-41.14	-41.86	8.55	-7.83	-13	-28.14

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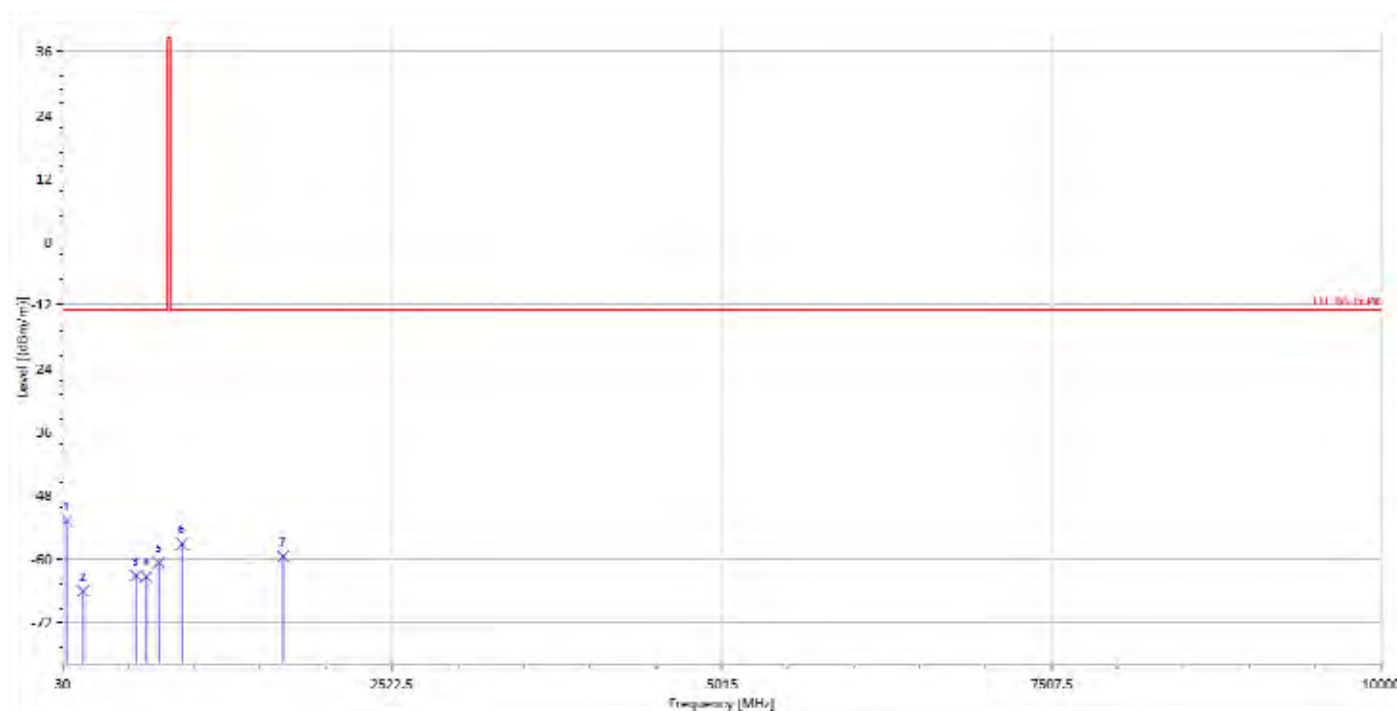
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Operation Mode : LTEB5 1.4M 16QAM RB
Fundamental Frequency : 1.0
Operation Band : 848.3 MHz
EUT Pol. : Tx CH High
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
61.04	S	-52.90	-48.79	-3.05	-1.06	-13	-39.90
188.11	S	-66.22	-68.34	4.05	-1.93	-13	-53.22
586.78	S	-63.21	-63.92	4.23	-3.52	-13	-50.21
664.38	S	-63.42	-64.44	4.75	-3.73	-13	-50.42
761.38	S	-60.76	-61.96	5.17	-3.98	-13	-47.76
937.92	S	-57.25	-58.13	5.37	-4.49	-13	-44.25
1696.60	H	-59.55	-59.77	6.76	-6.55	-13	-46.55

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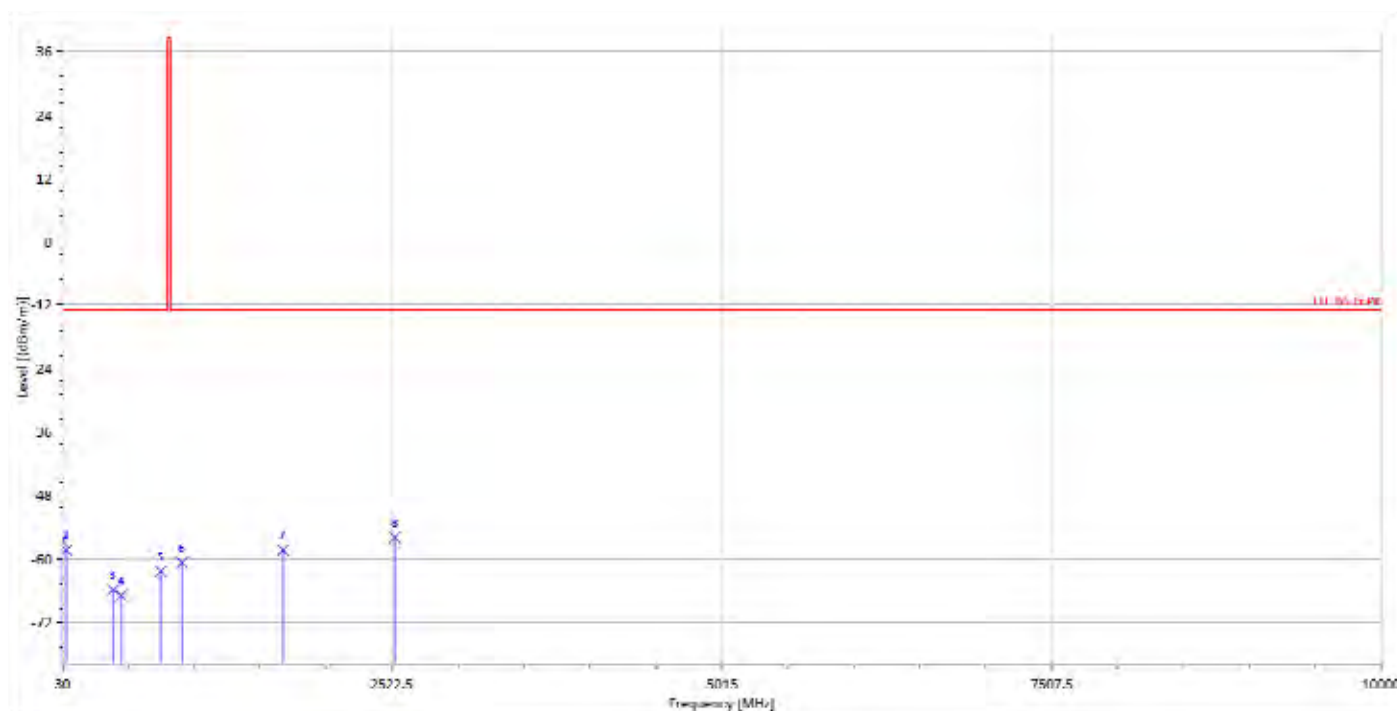
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Operation Mode : LTEB5 1.4M 16QAM RB
Fundamental Frequency : 1.0
Operation Band : 848.3 MHz
EUT Pol. : Tx CH High E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
30.97	S	-56.75	-34.26	-21.66	-0.82	-13	-43.75
59.10	S	-58.34	-53.76	-3.54	-1.04	-13	-45.34
416.06	S	-65.91	-66.31	3.33	-2.94	-13	-52.91
474.26	S	-67.03	-67.72	3.82	-3.13	-13	-54.03
774.96	S	-62.38	-63.54	5.19	-4.03	-13	-49.38
937.92	S	-60.71	-61.58	5.37	-4.49	-13	-47.71
1696.60	H	-58.32	-58.53	6.76	-6.55	-13	-45.32
2544.90	H	-56.06	-56.78	8.60	-7.87	-13	-43.06

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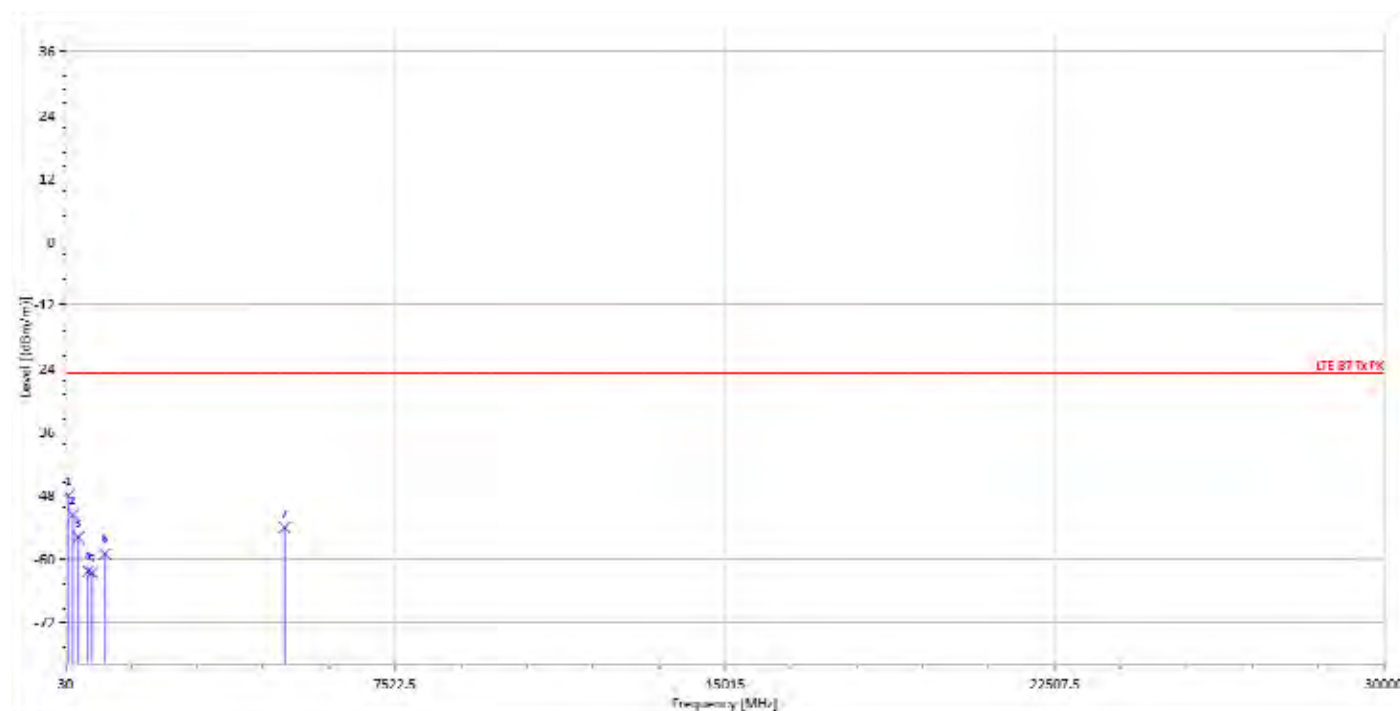
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Radiated Spurious Emission Measurement Result: LTE-Band 7 (The Worst Case)

LTE B7 10M QPSK RB			
Operation Mode :	1.49	Test Date :	2017/9/27
Fundamental Frequency :	2505.0 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
100.81	S	-48.03	-45.33	-1.32	-1.39	-25	-23.03
203.63	S	-51.78	-55.62	5.85	-2.01	-25	-26.78
324.88	S	-56.04	-59.38	5.92	-2.58	-25	-31.04
550.89	S	-62.35	-65.47	6.53	-3.41	-25	-37.35
641.10	S	-62.64	-66.10	7.13	-3.67	-25	-37.64
937.92	S	-59.07	-62.52	7.95	-4.49	-25	-34.07
5010.00	H	-54.20	-56.78	12.51	-9.93	-25	-29.20

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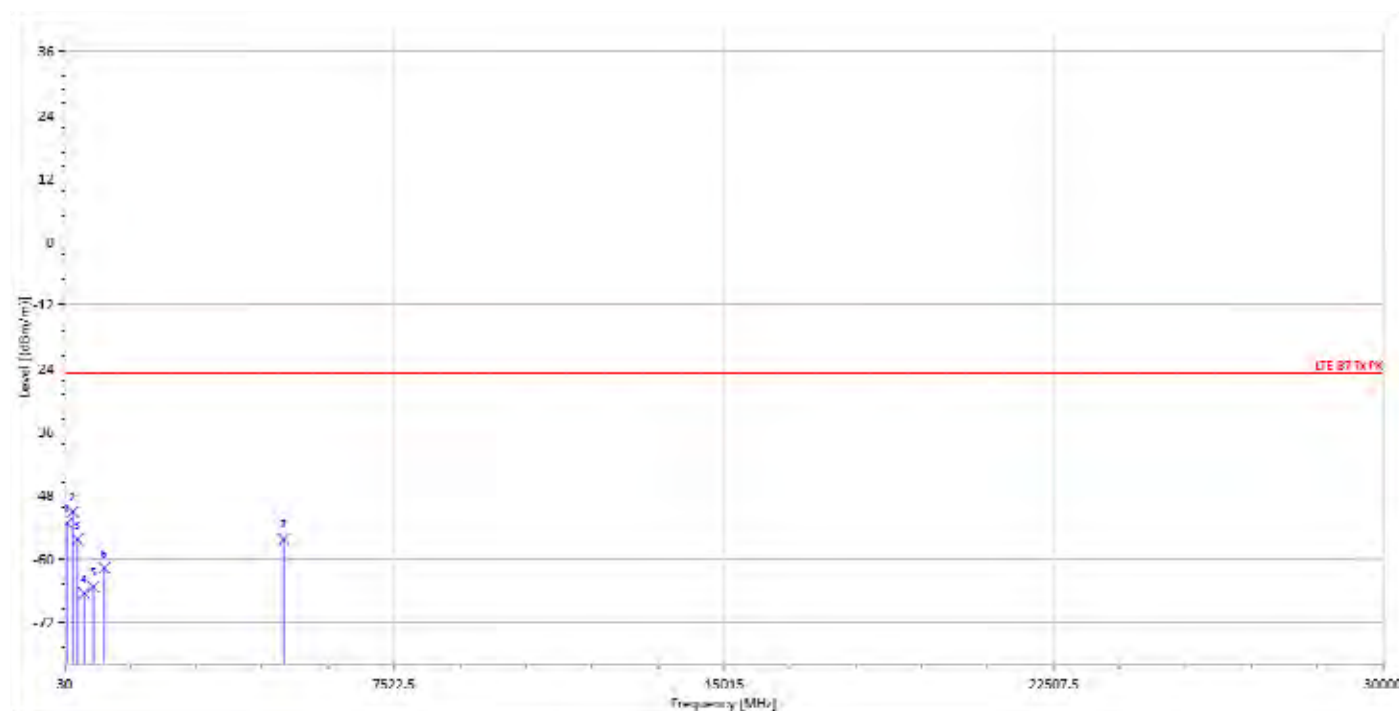
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Operation Mode :	LTE B7 10M QPSK RB	Test Date :	2017/9/27
Fundamental Frequency :	1.49	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	2505.0 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Low	Measurement Antenna Pol. :	Horizontal
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
90.14	S	-53.32	-51.90	-0.12	-1.30	-25	-28.32
222.06	S	-51.18	-55.37	6.29	-2.10	-25	-26.18
328.76	S	-56.41	-59.74	5.93	-2.60	-25	-31.41
483.96	S	-66.58	-69.84	6.42	-3.17	-25	-41.58
694.45	S	-65.38	-69.22	7.65	-3.81	-25	-40.38
942.77	S	-61.73	-65.18	7.95	-4.51	-25	-36.73
5010.00	H	-56.37	-58.95	12.51	-9.93	-25	-31.37

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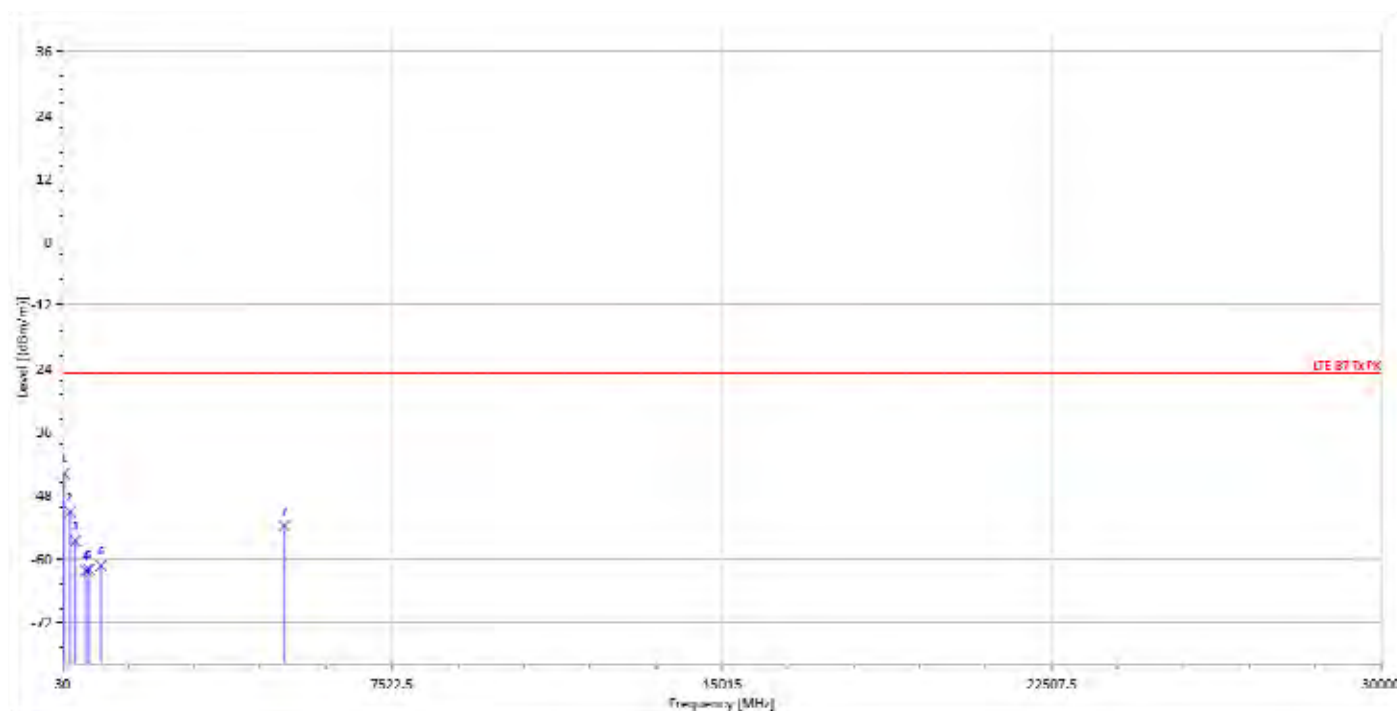
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Operation Mode :	LTE B7 10M QPSK RB	Test Date :	2017/9/27
Fundamental Frequency :	1.49	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	2535 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Mid	Measurement Antenna Pol. :	Vertical
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
64.92	S	-43.85	-42.18	-0.57	-1.09	-25	-18.85
204.60	S	-51.14	-55.01	5.88	-2.01	-25	-26.14
324.88	S	-56.65	-60.00	5.92	-2.58	-25	-31.65
564.47	S	-62.24	-65.45	6.65	-3.44	-25	-37.24
636.25	S	-62.04	-65.50	7.11	-3.66	-25	-37.04
915.61	S	-61.28	-64.76	7.92	-4.44	-25	-36.28
5070.00	H	-53.86	-56.45	12.57	-9.98	-25	-28.86

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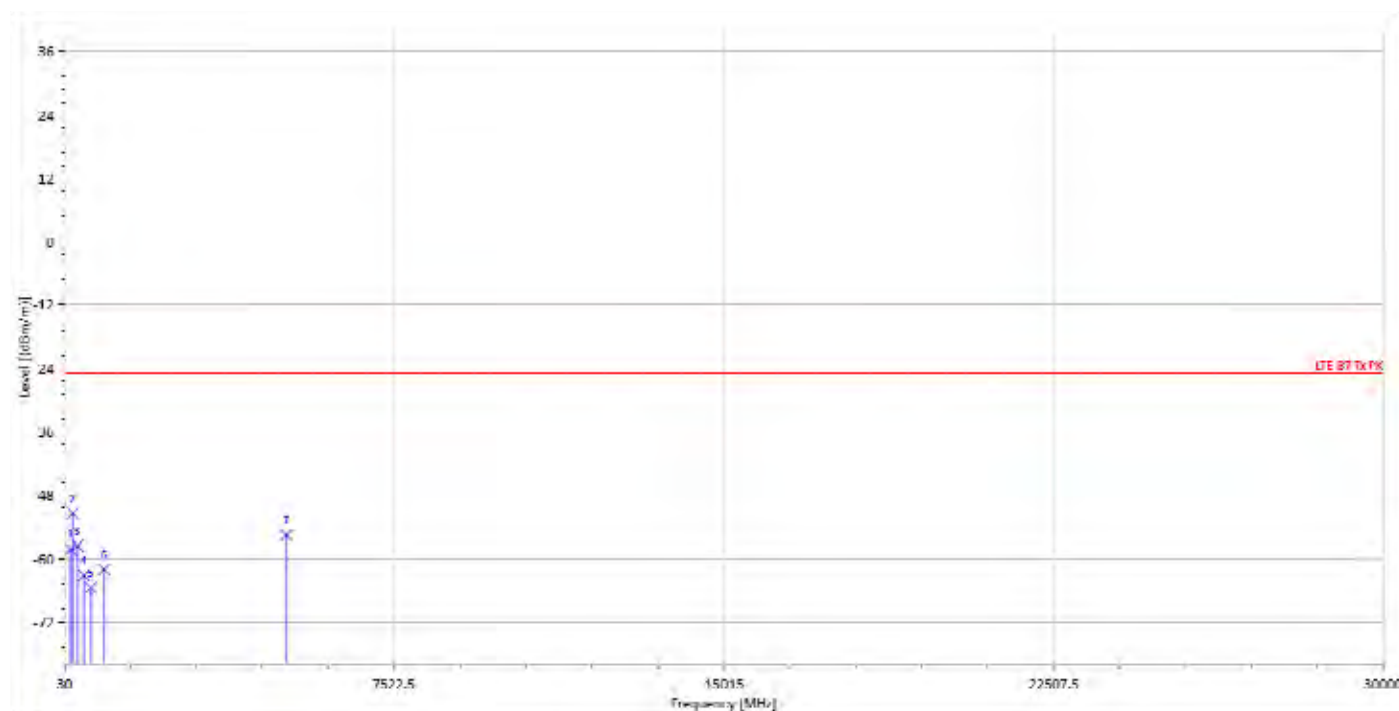
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Operation Mode :	LTE B7 10M QPSK RB	Test Date :	2017/9/27
Fundamental Frequency :	1.49	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	2535 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Mid	Measurement Antenna Pol. :	Horizontal
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
168.71	S	-58.22	-60.57	4.17	-1.82	-25	-33.22
221.09	S	-51.44	-55.67	6.32	-2.10	-25	-26.44
333.61	S	-57.55	-60.89	5.95	-2.61	-25	-32.55
478.14	S	-63.18	-66.43	6.40	-3.14	-25	-38.18
640.13	S	-65.52	-68.98	7.13	-3.67	-25	-40.52
937.92	S	-62.05	-65.51	7.95	-4.49	-25	-37.05
5070.00	H	-55.63	-58.22	12.57	-9.98	-25	-30.63

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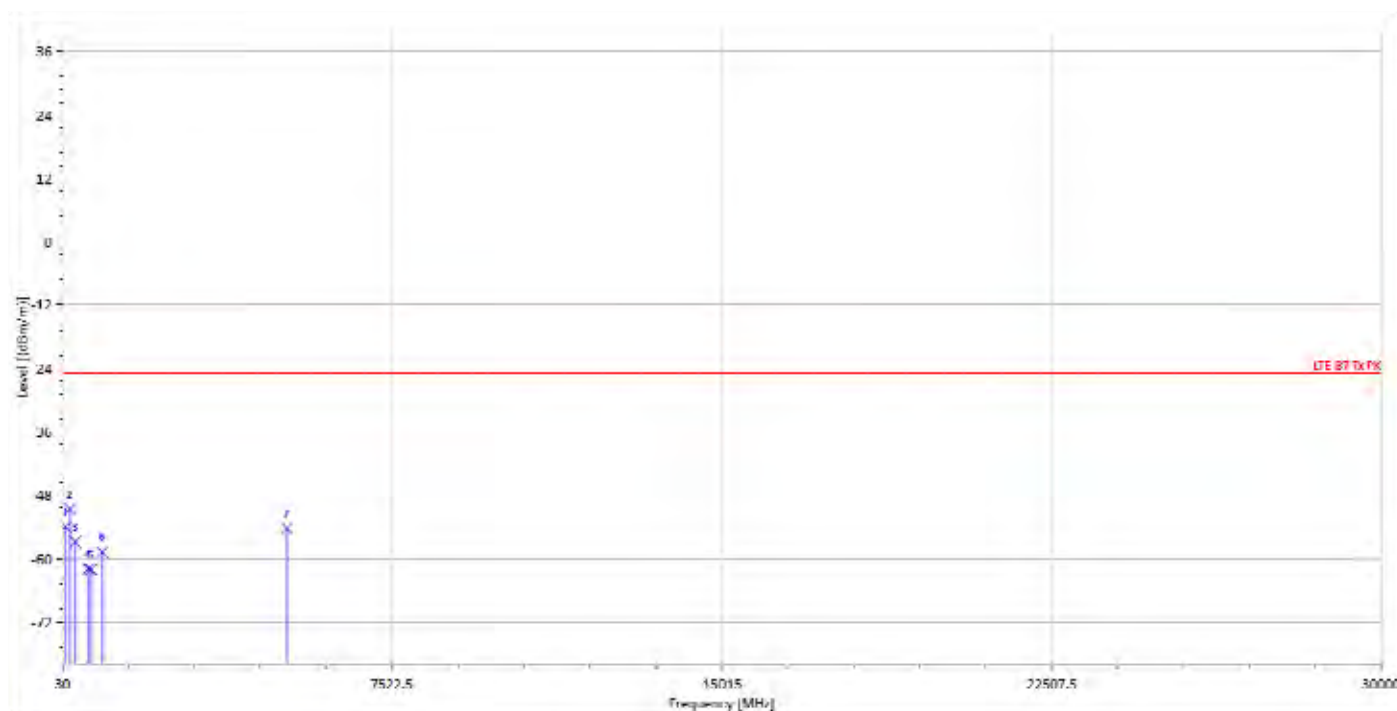
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Operation Mode :	LTE B7 10M QPSK RB	Test Date :	2017/9/27
Fundamental Frequency :	1.49	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	2565 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH High	Measurement Antenna Pol. :	Vertical
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
103.72	S	-54.07	-51.24	-1.43	-1.41	-25	-29.07
203.63	S	-50.63	-54.47	5.85	-2.01	-25	-25.63
325.85	S	-56.83	-60.17	5.92	-2.58	-25	-31.83
621.70	S	-61.93	-65.36	7.06	-3.63	-25	-36.93
685.72	S	-62.03	-65.80	7.56	-3.79	-25	-37.03
944.71	S	-58.75	-62.20	7.96	-4.51	-25	-33.75
5130.00	H	-54.35	-56.96	12.63	-10.02	-25	-29.35

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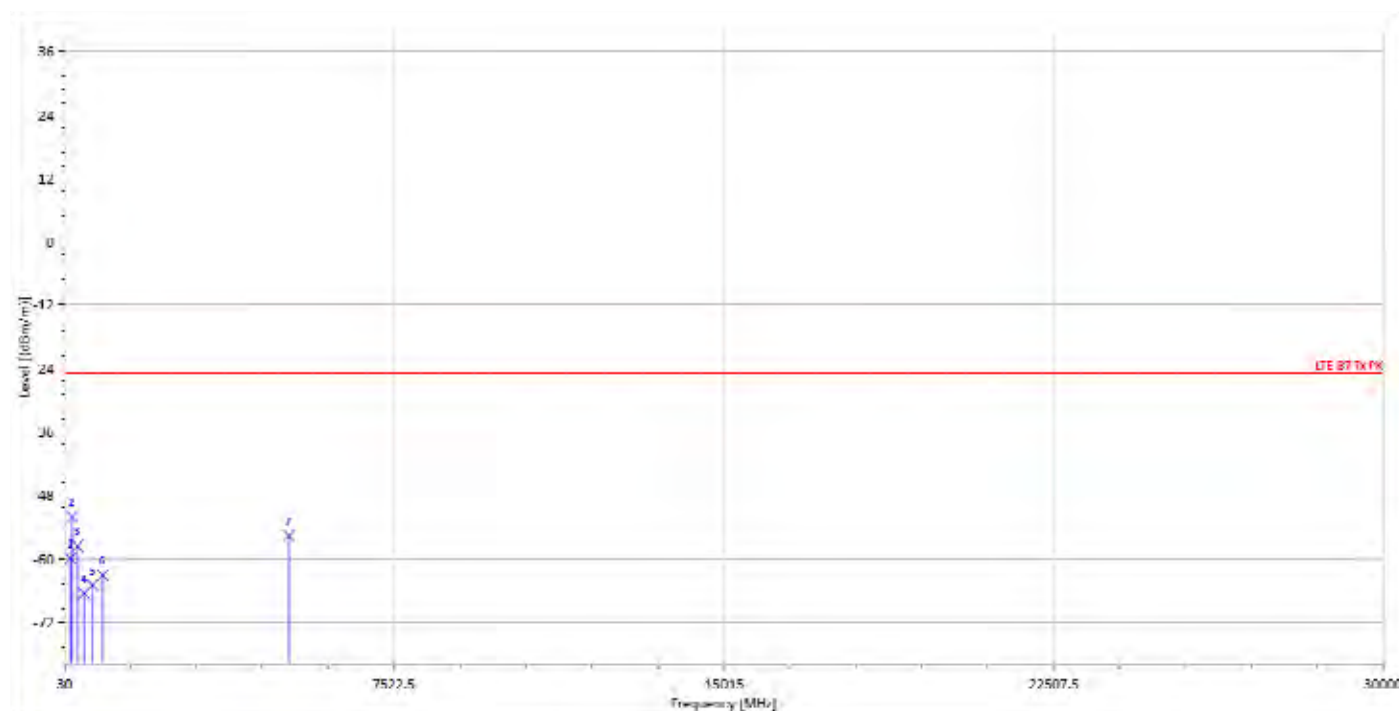
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Operation Mode :	LTE B7 10M QPSK RB	Test Date :	2017/9/27
Fundamental Frequency :	1.49	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	2565 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH High	Measurement Antenna Pol. :	Horizontal
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
166.77	S	-59.92	-62.06	3.96	-1.81	-25	-34.92
204.60	S	-52.12	-55.99	5.88	-2.01	-25	-27.12
331.67	S	-57.59	-60.92	5.94	-2.61	-25	-32.59
481.05	S	-66.62	-69.87	6.41	-3.15	-25	-41.62
672.14	S	-65.03	-68.69	7.41	-3.75	-25	-40.03
909.79	S	-63.14	-66.62	7.91	-4.43	-25	-38.14
5130.00	H	-55.77	-58.38	12.63	-10.02	-25	-30.77

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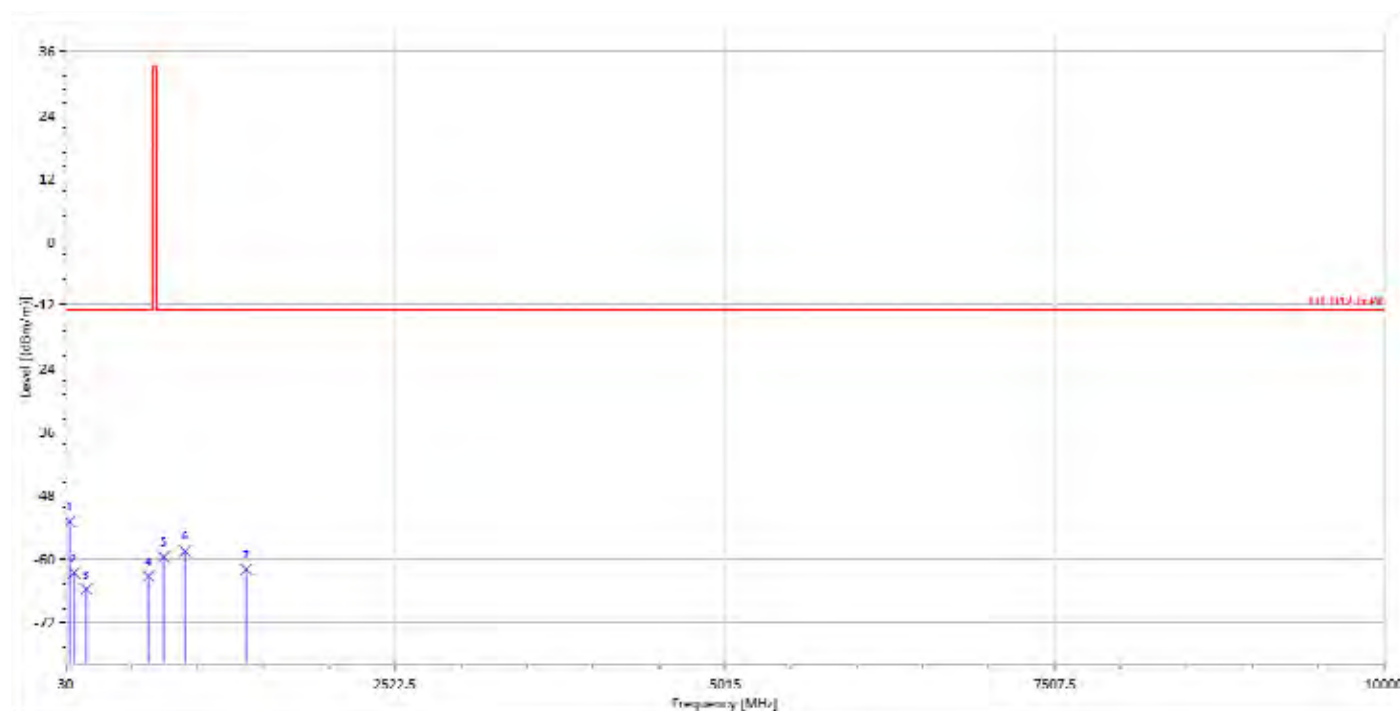
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Radiated Spurious Emission Measurement Result: LTE-Band 12 (The Worst Case)

LTEB12 1.4M 16QAM RB
 Operation Mode : 1.5 Test Date : 2017/9/29
 Fundamental Frequency : 699.7 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
62.01	S	-53.05	-49.05	-2.93	-1.07	-13	-40.05
95.96	S	-62.70	-58.44	-2.90	-1.35	-13	-49.70
189.08	S	-65.86	-68.02	4.10	-1.93	-13	-52.86
657.59	S	-63.32	-64.29	4.69	-3.72	-13	-50.32
773.99	S	-59.66	-60.82	5.19	-4.03	-13	-46.66
937.92	S	-58.55	-59.43	5.37	-4.49	-13	-45.55
1399.40	H	-62.04	-61.60	5.47	-5.90	-13	-49.04

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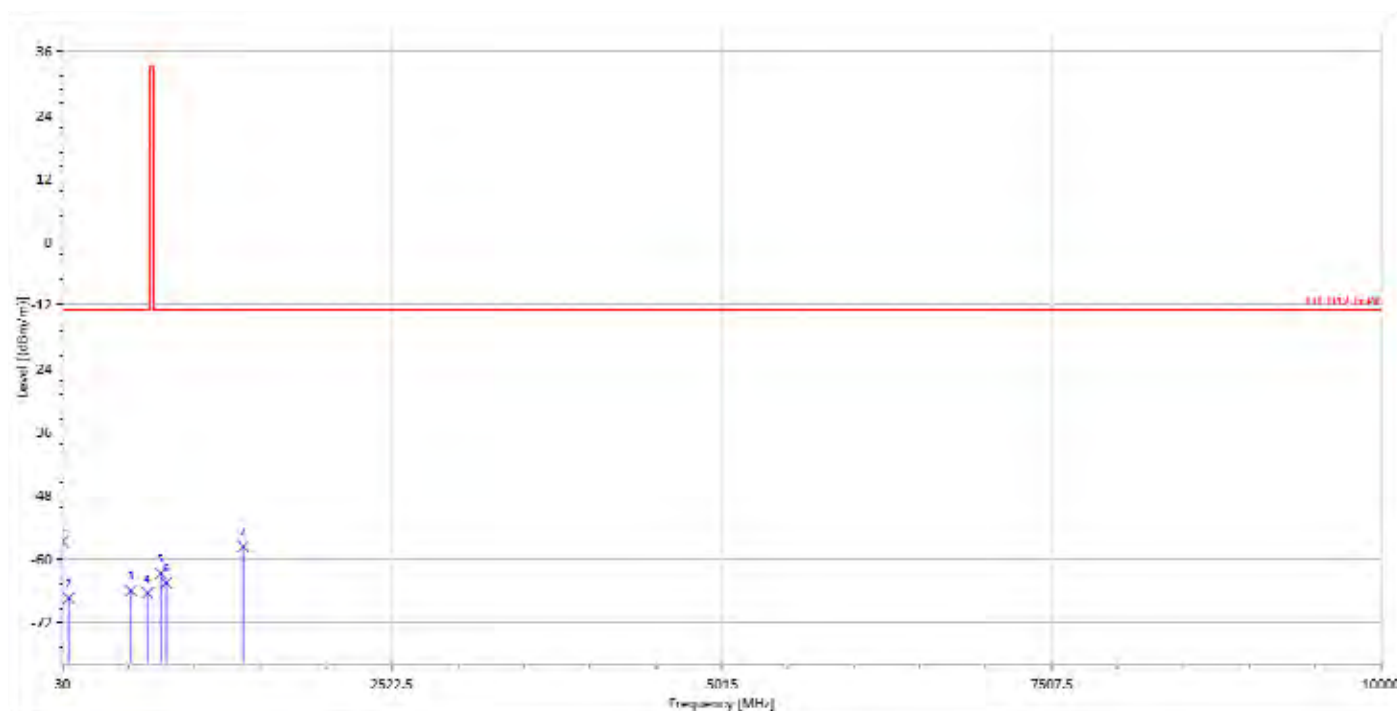
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Operation Mode : LTEB12 1.4M 16QAM RB
Fundamental Frequency : 1.5
Operation Band : 699.7 MHz
EUT Pol. : Tx CH Low
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
31.94	S	-56.81	-35.16	-20.82	-0.83	-13	-43.81
78.50	S	-67.54	-64.61	-1.72	-1.21	-13	-54.54
546.04	S	-66.12	-66.70	3.98	-3.40	-13	-53.12
674.08	S	-66.55	-67.63	4.83	-3.75	-13	-53.55
776.90	S	-62.80	-63.95	5.19	-4.04	-13	-49.80
816.67	S	-64.59	-65.60	5.16	-4.15	-13	-51.59
1399.40	S	-57.67	-57.23	5.45	-5.89	-13	-44.67

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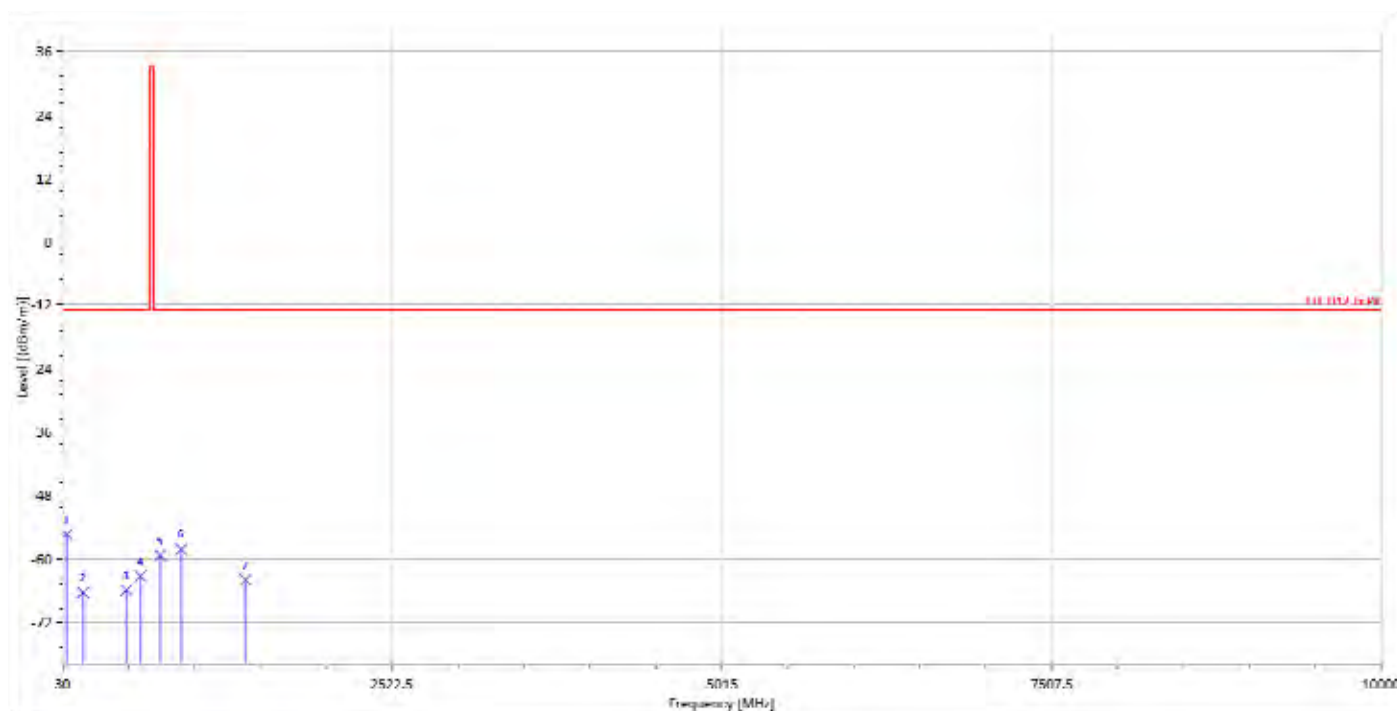
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Member of SGS Group

Operation Mode : LTEB12 1.4M 16QAM RB
Fundamental Frequency : 1.5
Operation Band : 707.5 MHz
EUT Pol. : Tx CH Mid E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
62.01	S	-55.47	-51.47	-2.93	-1.07	-13	-42.47
188.11	S	-66.47	-68.59	4.05	-1.93	-13	-53.47
512.09	S	-66.01	-66.76	4.02	-3.27	-13	-53.01
620.73	S	-63.33	-64.14	4.44	-3.63	-13	-50.33
772.05	S	-59.33	-60.50	5.19	-4.02	-13	-46.33
932.10	S	-58.19	-59.06	5.35	-4.48	-13	-45.19
1415.00	H	-64.01	-63.62	5.54	-5.93	-13	-51.01

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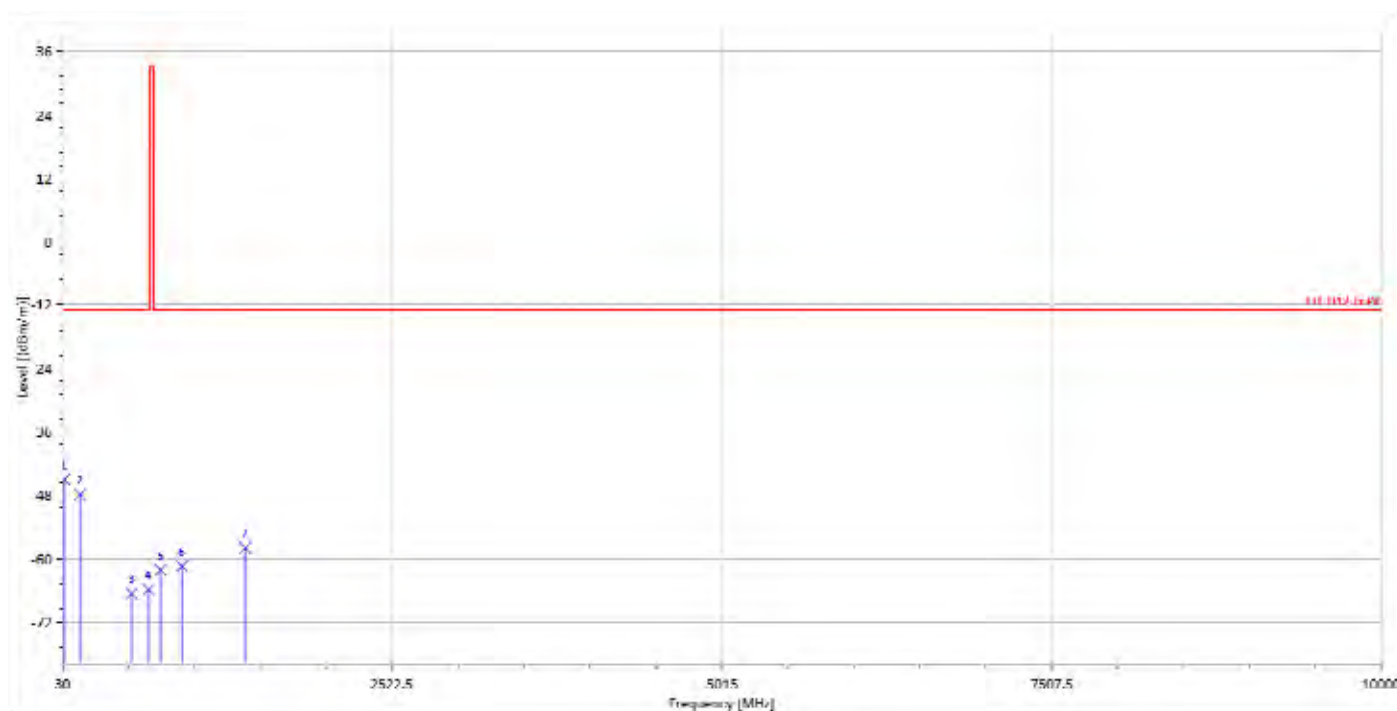
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Operation Mode : LTEB12 1.4M 16QAM RB
Fundamental Frequency : 1.5
Operation Band : 707.5 MHz
EUT Pol. : Tx CH Mid E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
43.58	S	-44.99	-32.74	-11.36	-0.89	-13	-31.99
165.80	S	-47.89	-48.14	2.05	-1.80	-13	-34.89
551.86	S	-66.68	-67.25	3.98	-3.41	-13	-53.68
681.84	S	-65.91	-67.04	4.90	-3.78	-13	-52.91
773.99	S	-62.17	-63.33	5.19	-4.03	-13	-49.17
937.92	S	-61.44	-62.32	5.37	-4.49	-13	-48.44
1415.00	H	-57.96	-57.56	5.54	-5.93	-13	-44.96

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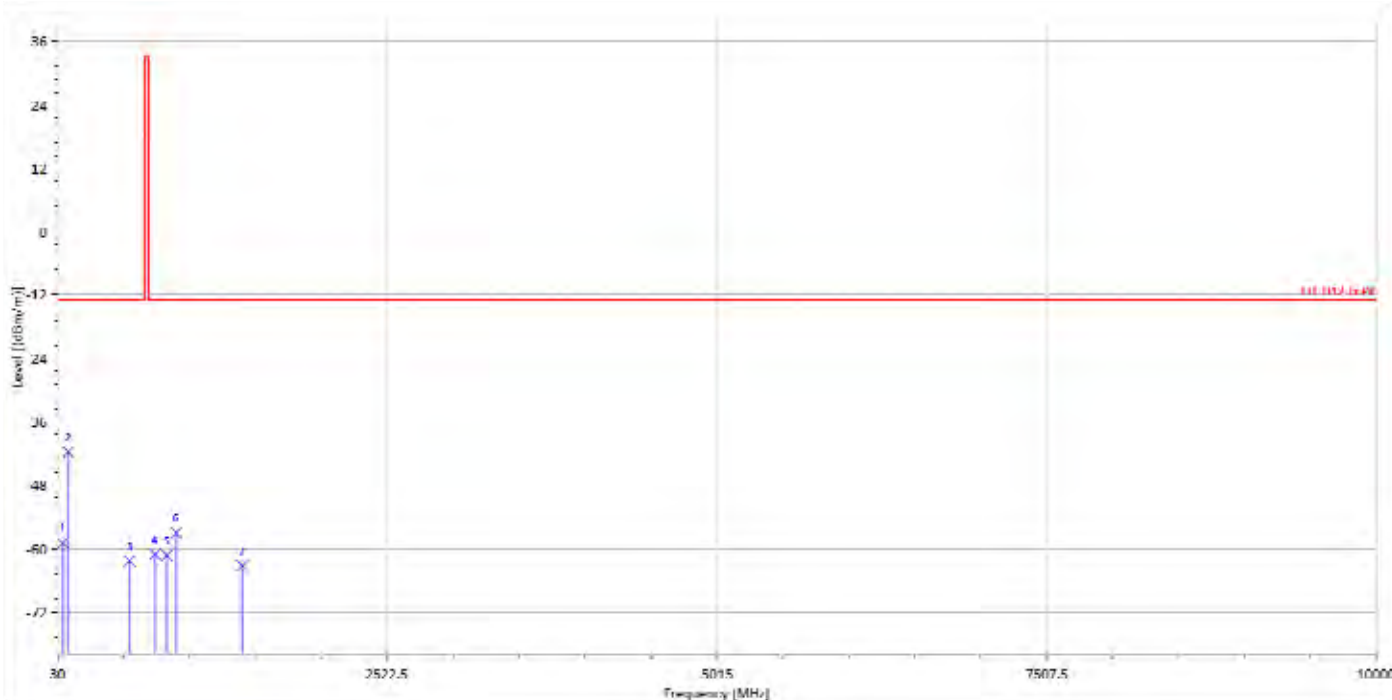
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Operation Mode : LTEB12 1.4M 16QAM RB
Fundamental Frequency : 1.5
Operation Band : 715.3 MHz
EUT Pol. : Tx CH High
Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
71.71	S	-58.90	-55.85	-1.90	-1.15	-13	-45.90
112.45	S	-41.77	-36.78	-3.52	-1.46	-13	-28.77
575.14	S	-62.32	-62.99	4.15	-3.48	-13	-49.32
770.11	S	-61.03	-62.20	5.18	-4.01	-13	-48.03
860.32	S	-61.26	-62.04	5.09	-4.31	-13	-48.26
932.10	S	-57.06	-57.93	5.35	-4.48	-13	-44.06
1430.60	H	-63.24	-62.88	5.62	-5.97	-13	-50.24

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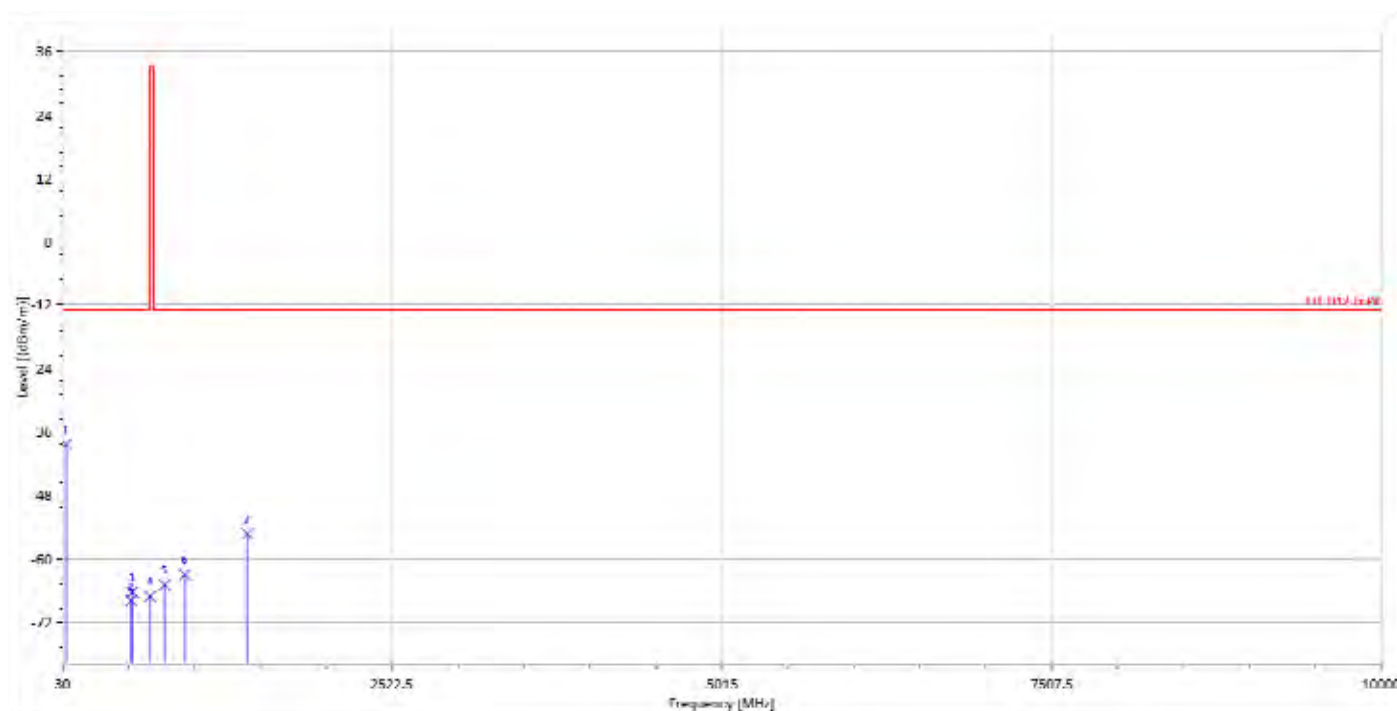
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Operation Mode : LTEB12 1.4M 16QAM RB
Fundamental Frequency : 1.5
Operation Band : 715.3 MHz
EUT Pol. : Tx CH High E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
59.10	S	-38.39	-33.81	-3.54	-1.04	-13	-25.39
548.95	S	-67.98	-68.55	3.97	-3.41	-13	-54.98
556.71	S	-66.41	-67.01	4.02	-3.42	-13	-53.41
692.51	S	-67.20	-68.39	4.99	-3.81	33	-100.20
805.03	S	-65.00	-66.08	5.20	-4.12	-13	-52.00
961.20	S	-63.00	-63.89	5.44	-4.55	-13	-50.00
1430.60	S	-55.38	-55.03	5.62	-5.97	-13	-42.38

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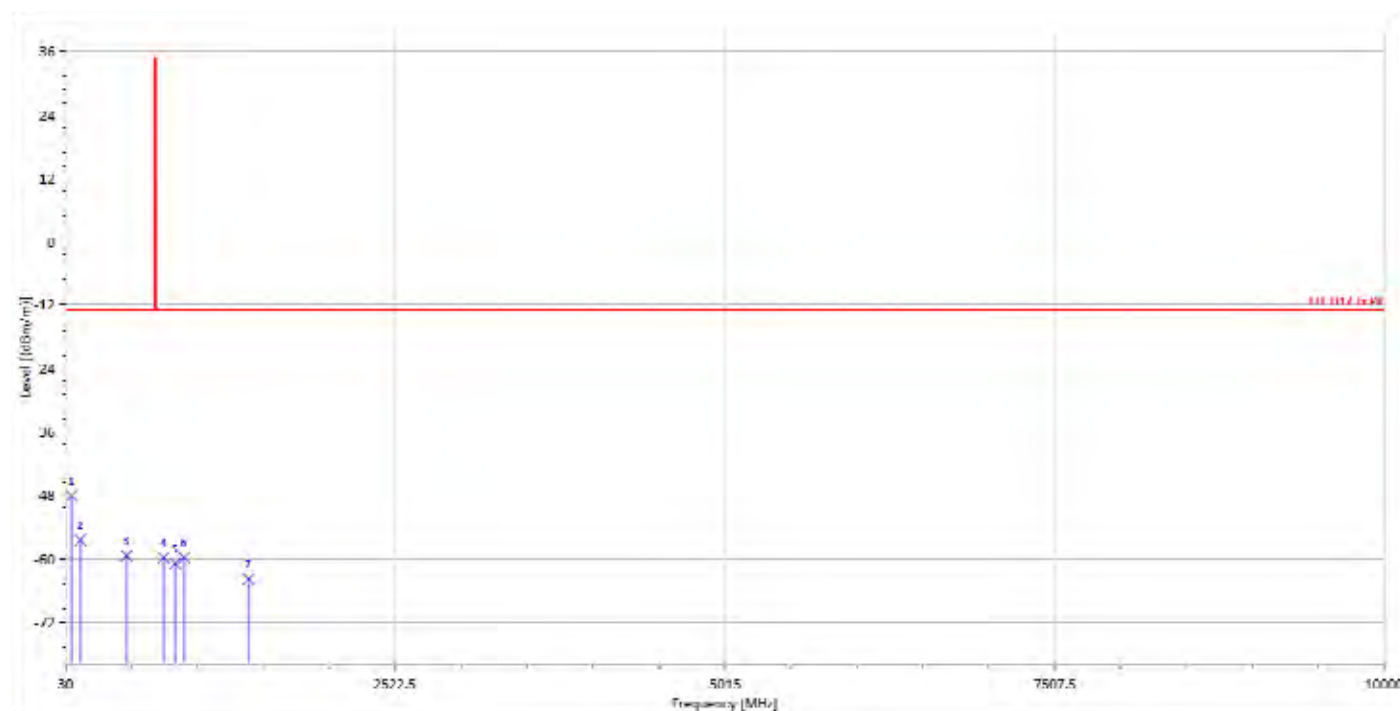
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Radiated Spurious Emission Measurement Result: LTE-Band 17 (The Worst Case)

LTEB17 10M 16QAM RB			
Operation Mode :	1.49	Test Date :	2017/9/29
Fundamental Frequency :	709 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
76.56	S	-48.11	-45.15	-1.77	-1.19	-13	-35.11
144.46	S	-56.54	-54.31	-0.55	-1.68	-13	-43.54
491.72	S	-59.40	-60.17	3.97	-3.20	-13	-46.40
773.99	S	-59.76	-60.92	5.19	-4.03	-13	-46.76
863.23	S	-60.86	-61.64	5.10	-4.32	-13	-47.86
932.10	S	-59.75	-60.62	5.35	-4.48	-13	-46.75
1418.00	H	-63.89	-63.50	5.56	-5.94	-13	-50.89

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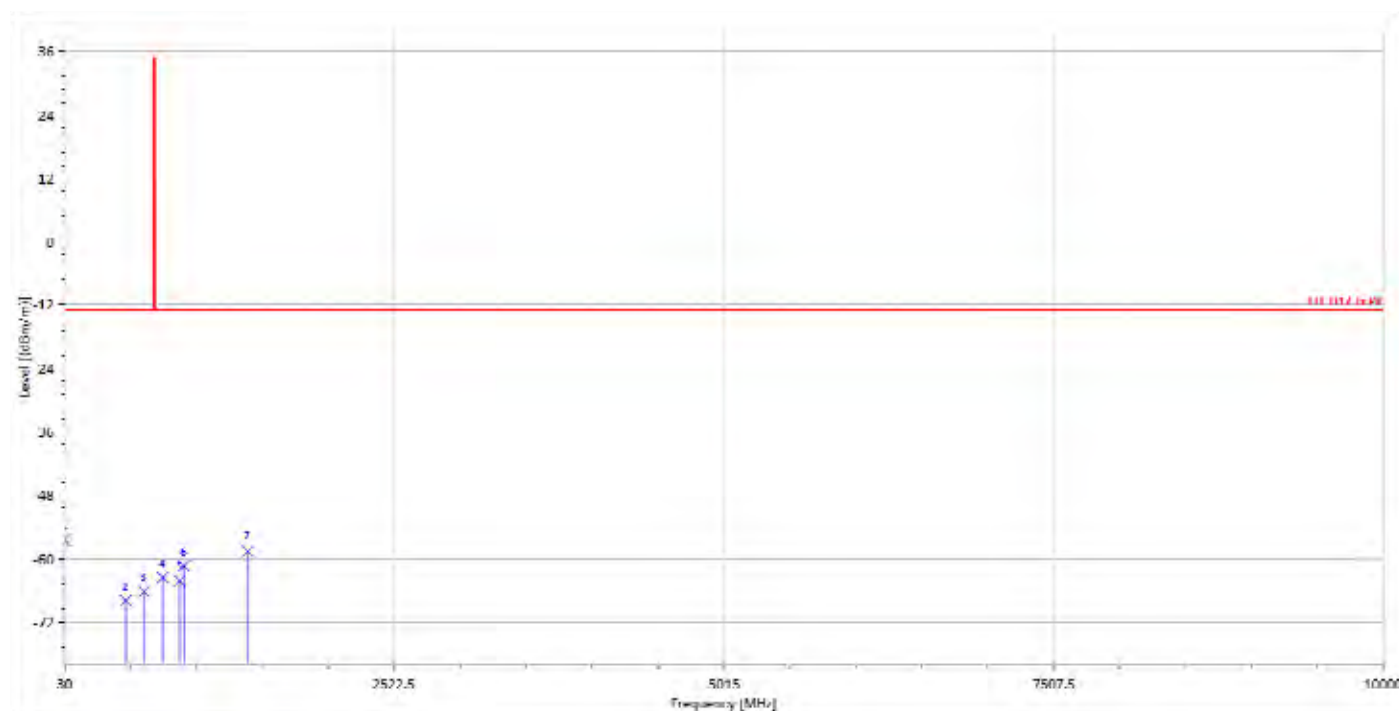
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Operation Mode : LTEB17 10M 16QAM RB
Fundamental Frequency : 1.49
Operation Band : 709 MHz
EUT Pol. : Tx CH Low E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-56.48	-34.84	-20.82	-0.83	-13	-43.48
492.69	S	-68.00	-68.77	3.98	-3.20	-13	-55.00
632.37	S	-66.27	-67.13	4.51	-3.65	-13	-53.27
774.96	S	-63.56	-64.72	5.19	-4.03	-13	-50.56
904.94	S	-64.19	-65.03	5.26	-4.42	-13	-51.19
937.92	S	-61.38	-62.26	5.37	-4.49	-13	-48.38
1418.00	S	-58.57	-58.19	5.58	-5.95	-13	-45.57

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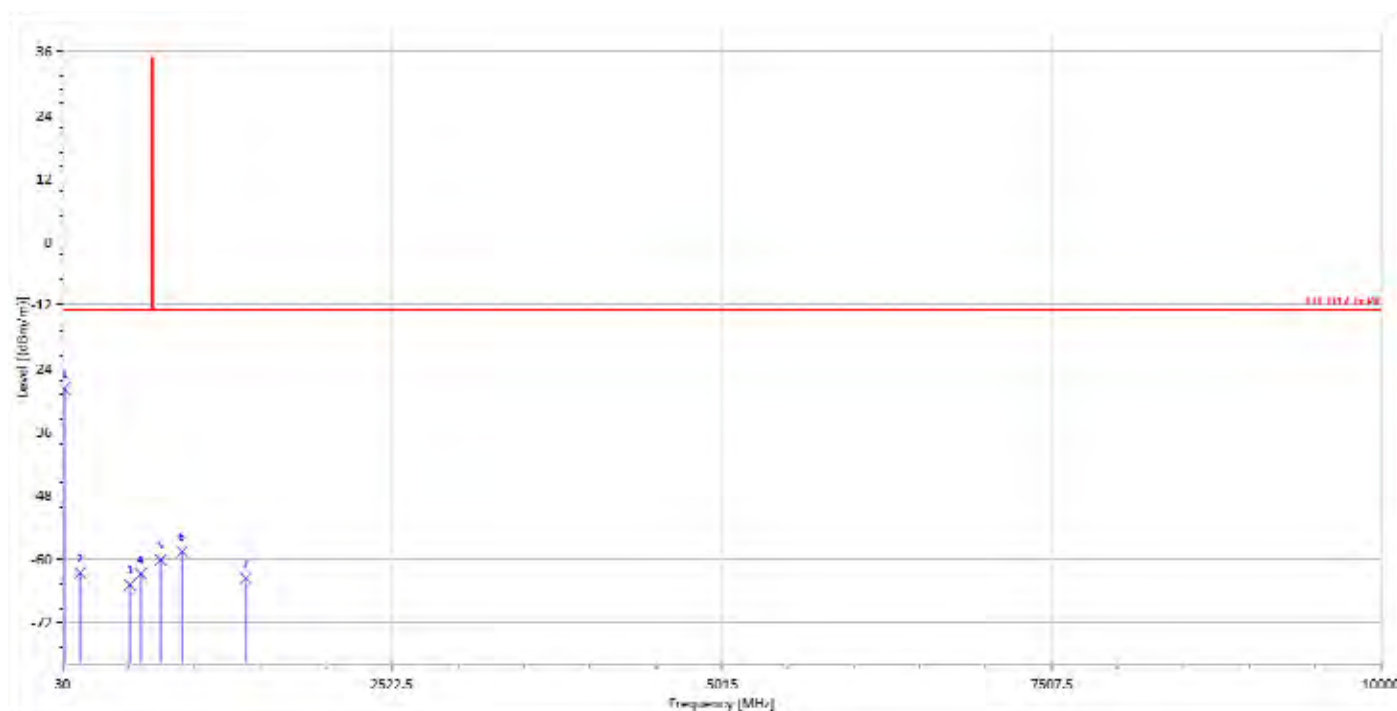
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Operation Mode : LTEB17 10M 16QAM RB
Fundamental Frequency : 1.49
Operation Band : 710 MHz
EUT Pol. : Tx CH Mid E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
45.52	S	-27.80	-16.93	-9.96	-0.91	-13	-14.80
165.80	S	-62.68	-62.93	2.05	-1.80	-13	-49.68
538.28	S	-64.96	-65.58	3.99	-3.37	-13	-51.96
622.67	S	-62.87	-63.69	4.46	-3.64	-13	-49.87
773.99	S	-60.21	-61.37	5.19	-4.03	-13	-47.21
937.92	S	-58.60	-59.47	5.37	-4.49	-13	-45.60
1420.00	H	-63.72	-63.34	5.57	-5.95	-13	-50.72

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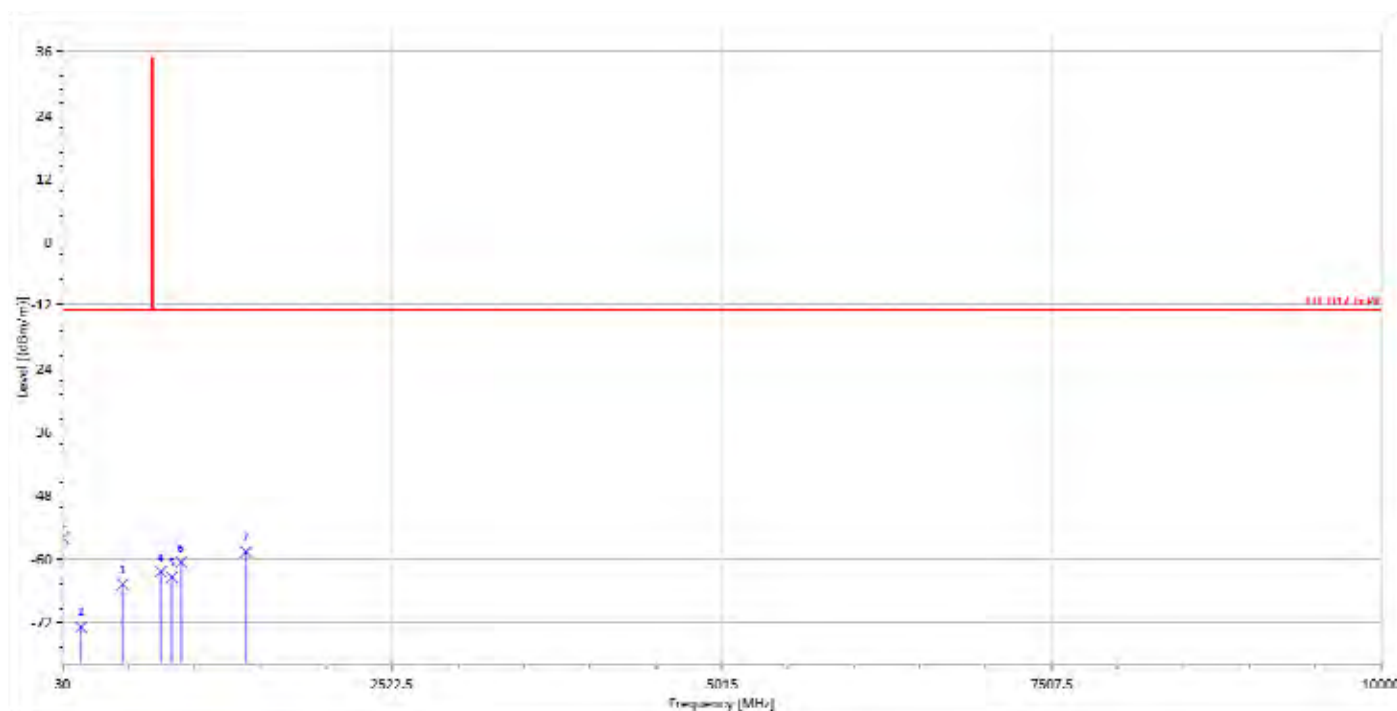
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Operation Mode : LTEB17 10M 16QAM RB
Fundamental Frequency : 1.49
Operation Band : 710 MHz
EUT Pol. : Tx CH Mid E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
32.91	S	-56.13	-35.32	-19.97	-0.83	-13	-43.13
170.65	S	-72.90	-73.71	2.64	-1.83	-13	-59.90
482.99	S	-64.89	-65.62	3.90	-3.16	-13	-51.89
775.93	S	-62.48	-63.64	5.19	-4.03	-13	-49.48
860.32	S	-63.50	-64.27	5.09	-4.31	-13	-50.50
932.10	S	-60.65	-61.53	5.35	-4.48	-13	-47.65
1420.00	S	-58.71	-58.34	5.58	-5.95	-13	-45.71

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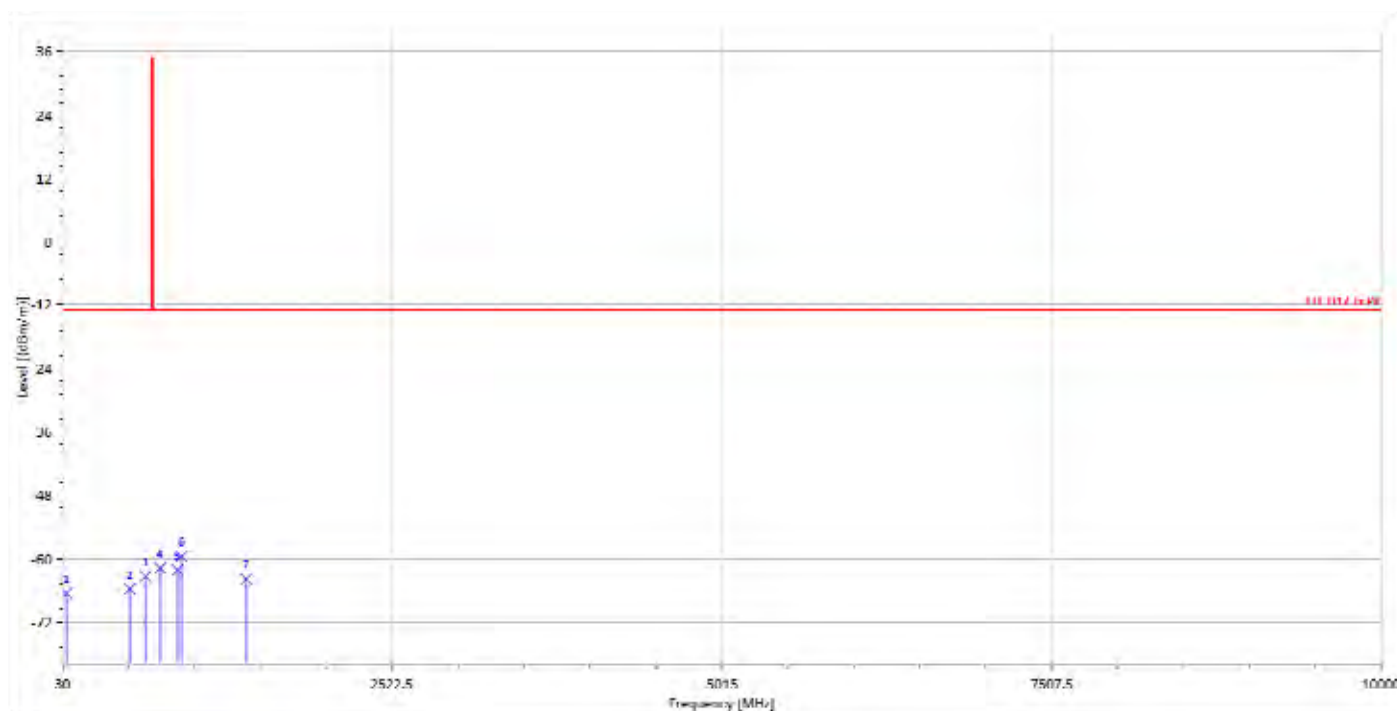
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Operation Mode : LTEB17 10M 16QAM RB
Fundamental Frequency : 1.49
Operation Band : 711 MHz
EUT Pol. : Tx CH High E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
61.04	S	-66.62	-62.51	-3.05	-1.06	-13	-53.62
538.28	S	-65.76	-66.38	3.99	-3.37	-13	-52.76
658.56	S	-63.38	-64.35	4.70	-3.72	-13	-50.38
771.08	S	-61.80	-62.97	5.19	-4.01	-13	-48.80
903.97	S	-62.17	-63.00	5.25	-4.42	-13	-49.17
934.04	S	-59.56	-60.43	5.36	-4.48	-13	-46.56
1422.00	H	-63.91	-63.53	5.58	-5.95	-13	-50.91

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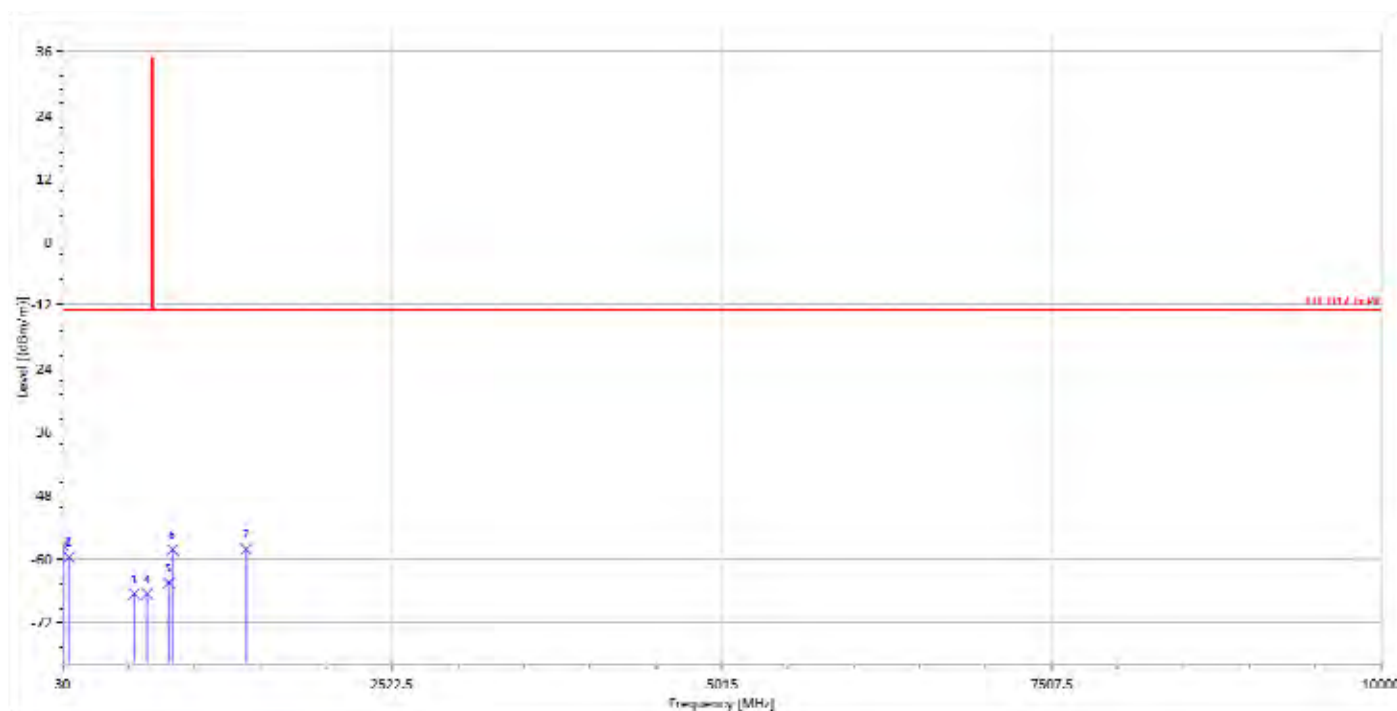
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Operation Mode : LTEB17 10M 16QAM RB
Fundamental Frequency : 1.49
Operation Band : 711 MHz
EUT Pol. : Tx CH High E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
36.79	S	-57.46	-39.91	-16.71	-0.85	-13	-44.46
80.44	S	-59.68	-56.75	-1.71	-1.22	-13	-46.68
571.26	S	-66.72	-67.38	4.12	-3.46	-13	-53.72
671.17	S	-66.69	-67.76	4.81	-3.74	-13	-53.69
837.04	S	-64.61	-65.47	5.09	-4.23	-13	-51.61
866.14	S	-58.24	-59.02	5.11	-4.33	-13	-45.24
1422.00	S	-58.14	-57.77	5.58	-5.95	-13	-45.14

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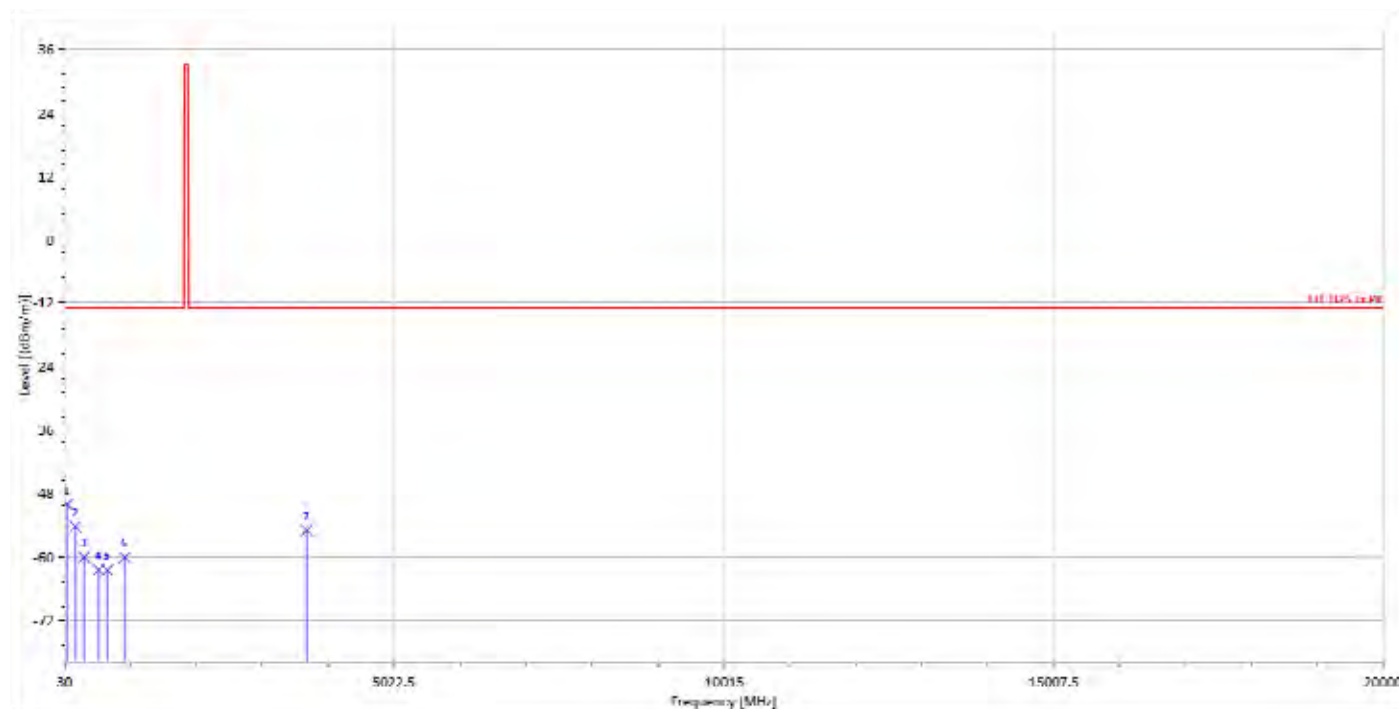
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Radiated Spurious Emission Measurement Result: LTE-Band 25 (The Worst Case)

Operation Mode :	LTE B25 1.4M 16QAM	Test Date :	2017/9/28
Fundamental Frequency :	RB1.5	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	1850.7 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Low	Measurement Antenna Pol. :	Vertical
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
73.65	S	-50.15	-49.22	0.24	-1.17	-13	-37.15
197.81	S	-54.38	-58.17	5.76	-1.98	-13	-41.38
330.70	S	-60.06	-63.40	5.94	-2.60	-13	-47.06
553.80	S	-62.50	-65.64	6.55	-3.42	-13	-49.50
686.69	S	-62.55	-66.33	7.57	-3.79	-13	-49.55
938.89	S	-60.11	-63.56	7.95	-4.50	-13	-47.11
3701.40	H	-55.10	-58.62	12.42	-8.90	-13	-42.10

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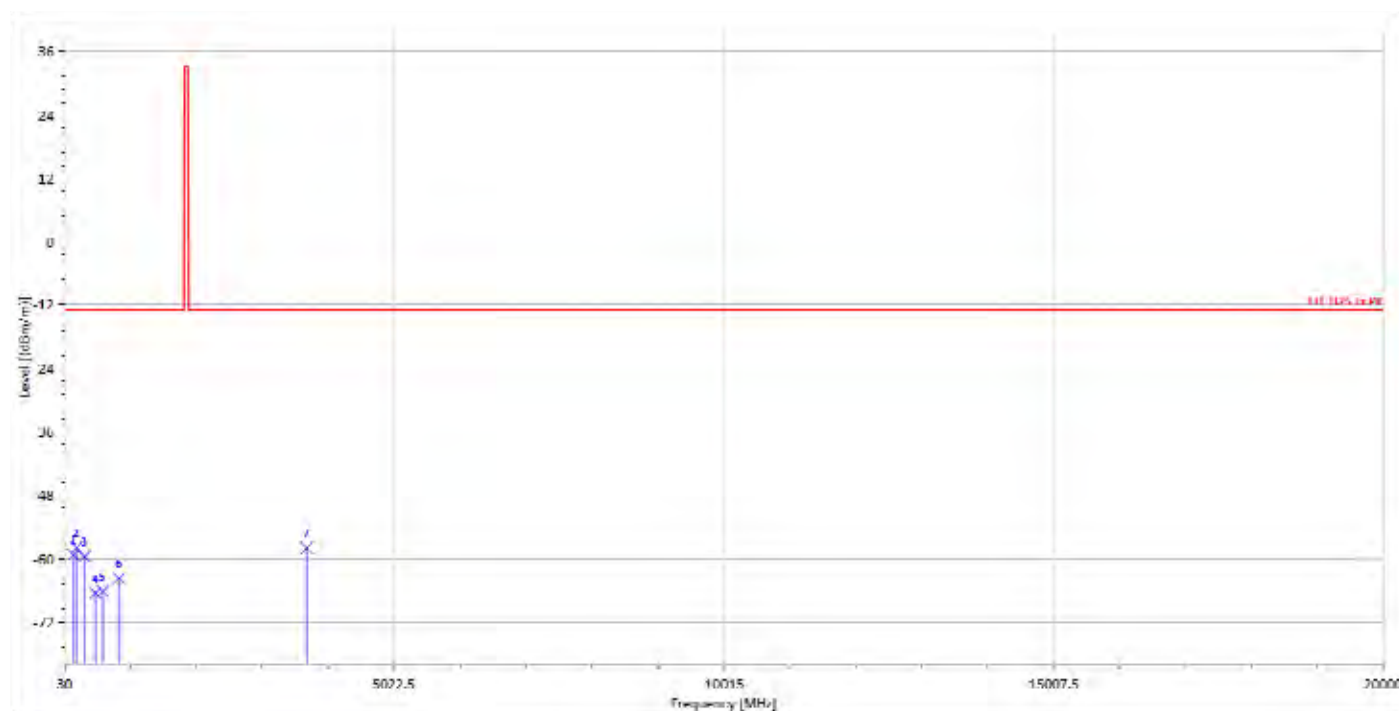
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Operation Mode :	LTE B25 1.4M 16QAM	Test Date :	2017/9/28
Fundamental Frequency :	RB1.5	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	1850.7 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Low	Measurement Antenna Pol. :	Horizontal
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
166.77	S	-59.21	-61.35	3.96	-1.81	-13	-46.21
217.21	S	-57.90	-62.09	6.27	-2.08	-13	-44.90
336.52	S	-59.56	-62.88	5.95	-2.63	-13	-46.56
506.27	S	-66.57	-69.81	6.49	-3.25	-13	-53.57
617.82	S	-66.27	-69.69	7.04	-3.62	-13	-53.27
856.44	S	-63.73	-67.25	7.81	-4.30	-13	-50.73
3701.40	H	-57.96	-61.48	12.42	-8.90	-13	-44.96

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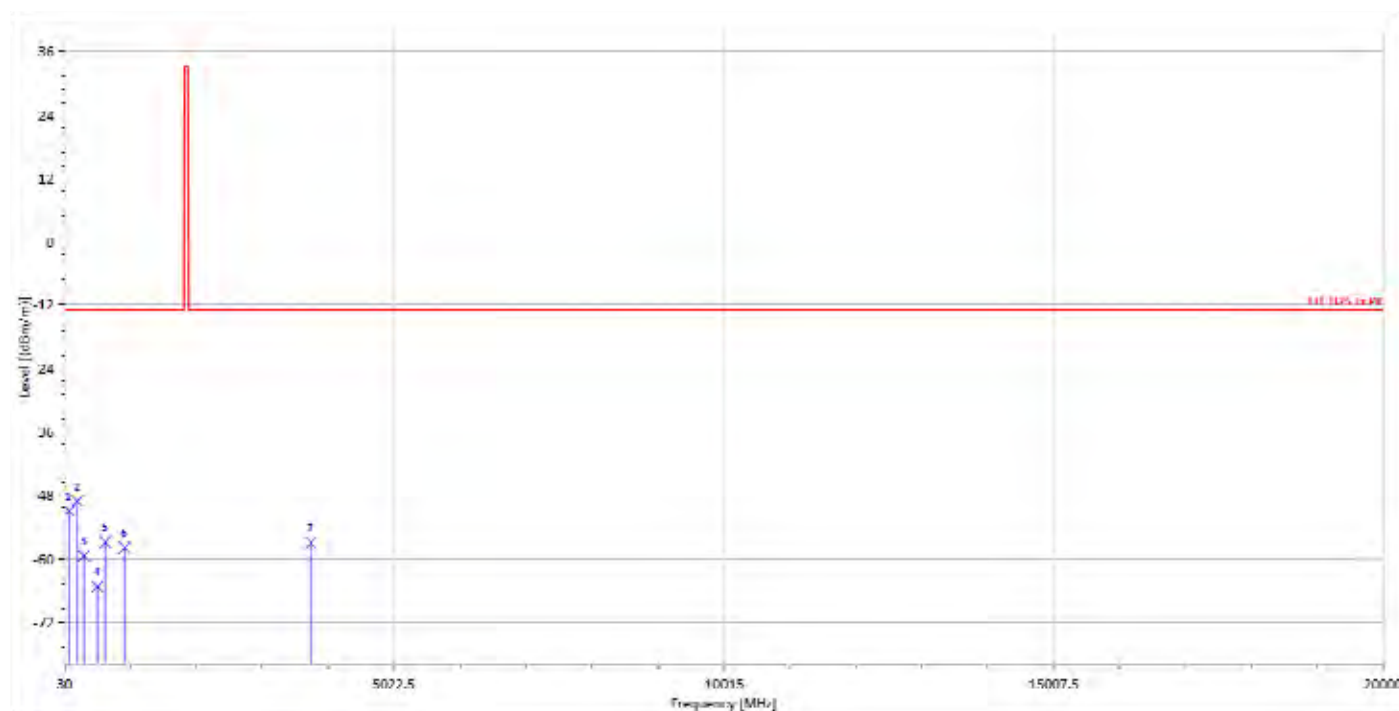
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Operation Mode :	LTE B25 1.4M 16QAM	Test Date :	2017/9/28
Fundamental Frequency :	RB1.5	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	1882.5 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Mid	Measurement Antenna Pol. :	Vertical
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
101.78	S	-50.99	-48.24	-1.36	-1.39	-13	-37.99
224.97	S	-49.12	-53.21	6.20	-2.11	-13	-36.12
329.73	S	-59.42	-62.76	5.94	-2.60	-13	-46.42
536.34	S	-65.36	-68.50	6.51	-3.37	-13	-52.36
657.59	S	-56.89	-60.42	7.25	-3.72	-13	-43.89
937.92	S	-57.88	-61.34	7.95	-4.49	-13	-44.88
3765.00	H	-57.02	-60.54	12.46	-8.95	-13	-44.02

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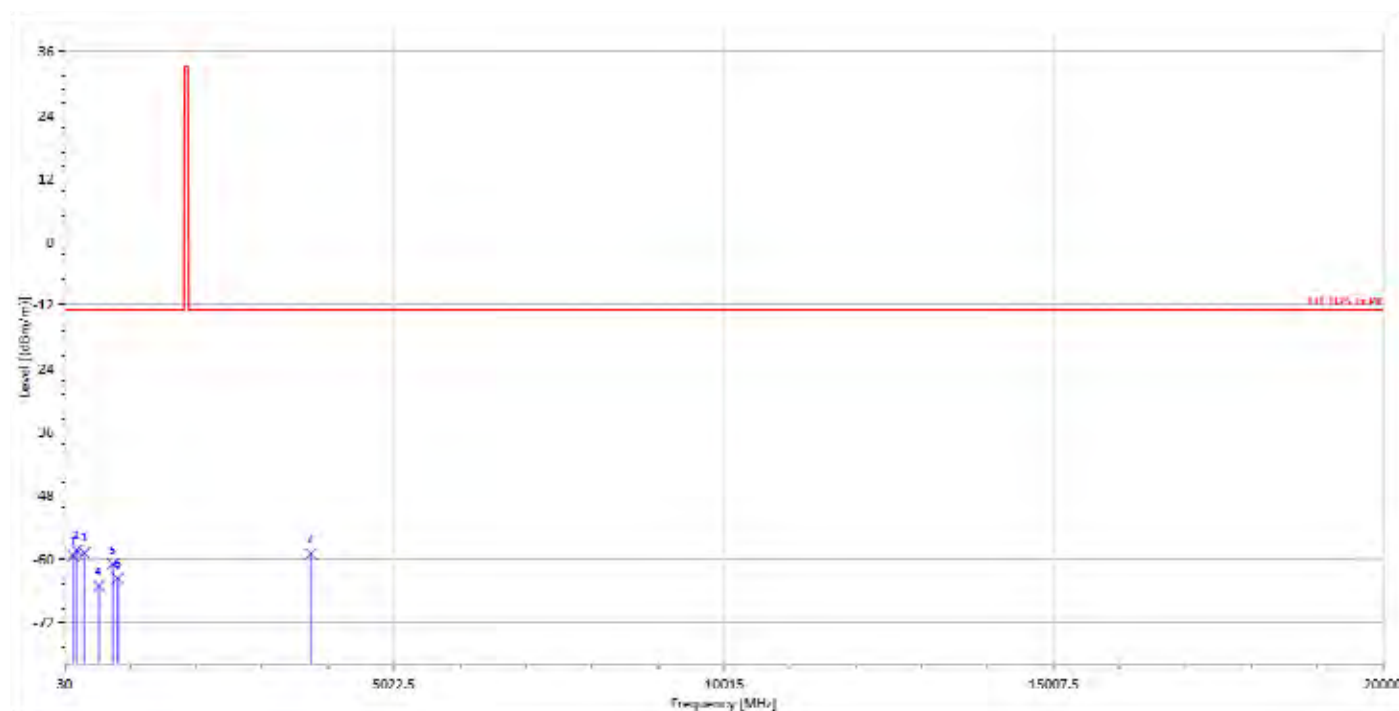
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Operation Mode :	LTE B25 1.4M 16QAM	Test Date :	2017/9/28
Fundamental Frequency :	RB1.5	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	1882.5 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH Mid	Measurement Antenna Pol. :	Horizontal
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
164.83	S	-59.48	-61.42	3.74	-1.80	-13	-46.48
217.21	S	-58.38	-62.57	6.27	-2.08	-13	-45.38
333.61	S	-58.87	-62.20	5.95	-2.61	-13	-45.87
558.65	S	-65.17	-68.34	6.60	-3.43	-13	-52.17
772.05	S	-61.02	-64.74	7.74	-4.02	-13	-48.02
839.95	S	-63.73	-67.29	7.79	-4.24	-13	-50.73
3765.00	H	-59.05	-62.56	12.46	-8.95	-13	-46.05

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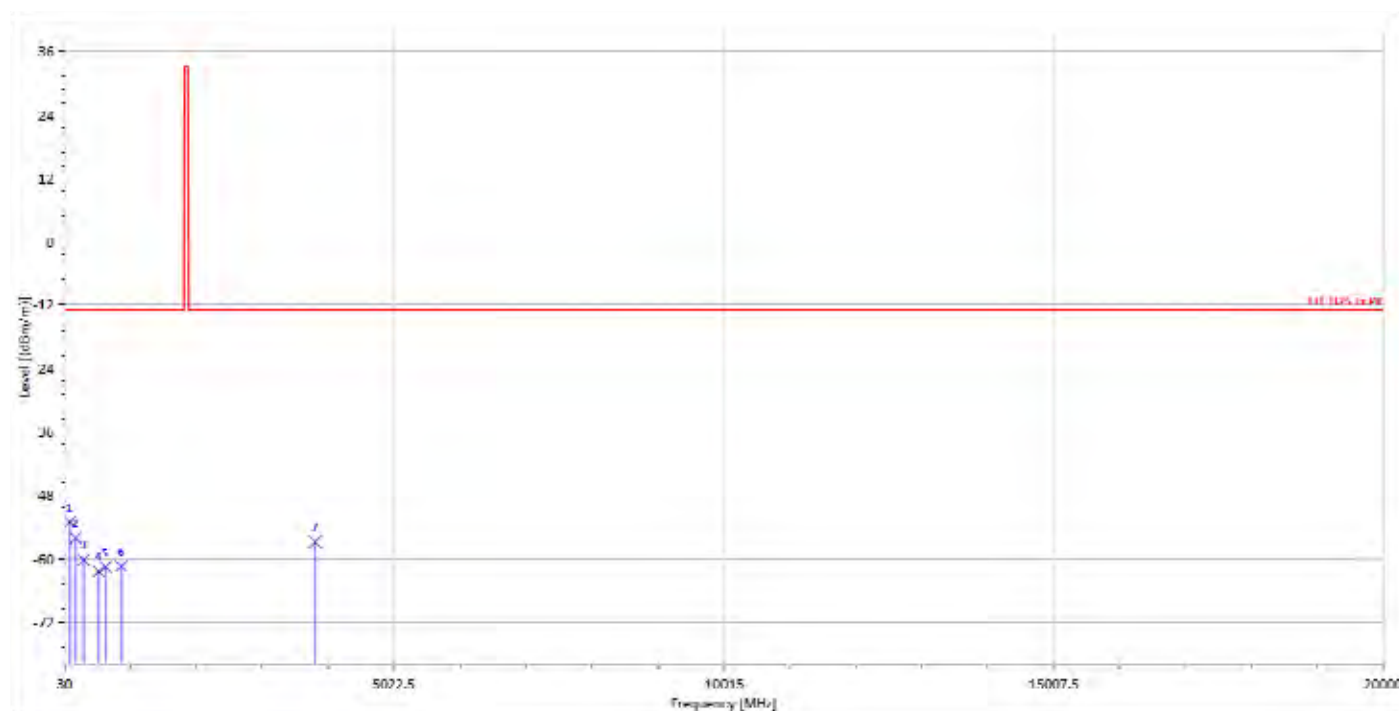
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Operation Mode :	LTE B25 1.4M 16QAM	Test Date :	2017/9/28
Fundamental Frequency :	RB1.5	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	1914.3 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH High	Measurement Antenna Pol. :	Vertical
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
112.45	S	-53.10	-50.09	-1.55	-1.46	-13	-40.10
199.75	S	-56.16	-59.91	5.73	-1.99	-13	-43.16
325.85	S	-60.21	-63.55	5.92	-2.58	-13	-47.21
552.83	S	-62.42	-65.55	6.54	-3.42	-13	-49.42
662.44	S	-61.54	-65.12	7.30	-3.72	-13	-48.54
890.39	S	-61.43	-64.92	7.88	-4.39	-13	-48.43
3828.60	H	-56.88	-60.39	12.50	-8.99	-13	-43.88

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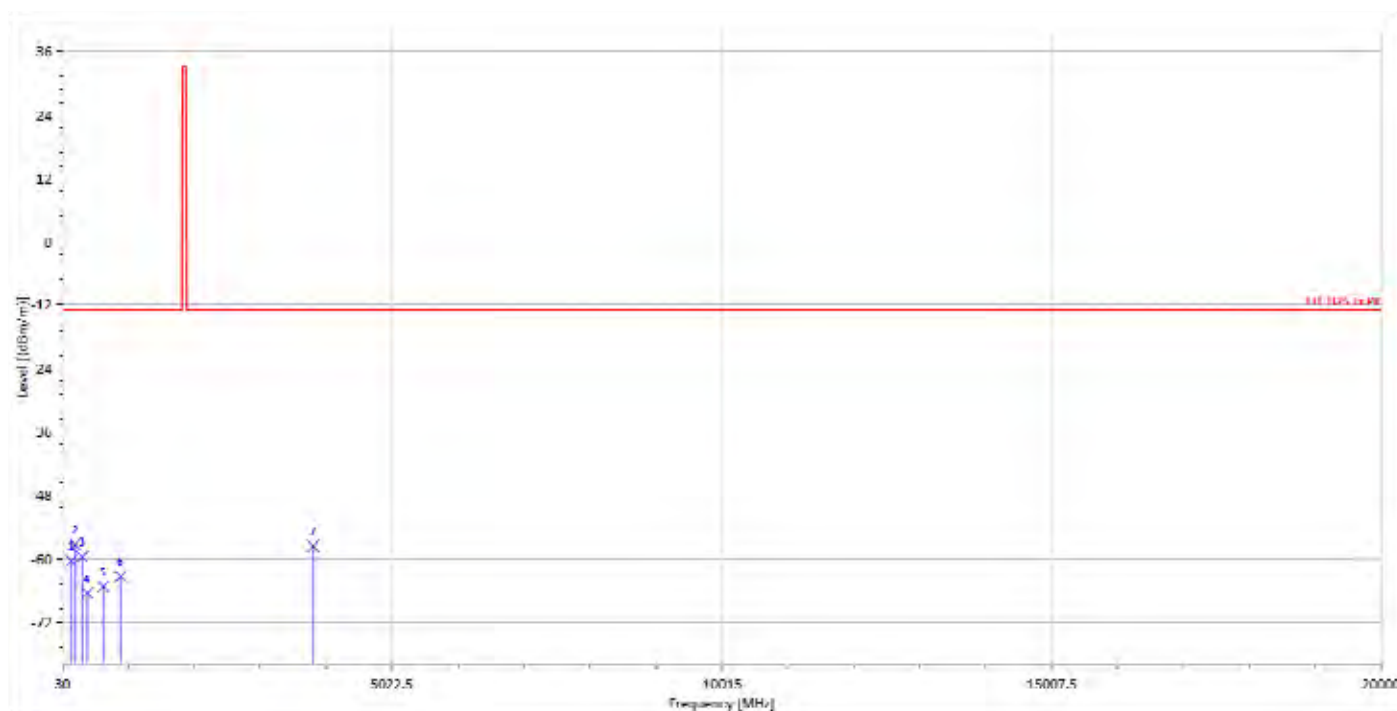
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Operation Mode :	LTE B25 1.4M 16QAM	Test Date :	2017/9/28
Fundamental Frequency :	RB1.5	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	1914.3 MHz	Test Engineer :	Ashton
EUT Pol. :	Tx CH High	Measurement Antenna Pol. :	Horizontal
	E2		



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
165.80	S	-60.37	-62.42	3.85	-1.80	-13	-47.37
224.97	S	-57.35	-61.44	6.20	-2.11	-13	-44.35
332.64	S	-59.61	-62.94	5.94	-2.61	-13	-46.61
411.21	S	-66.58	-69.52	5.87	-2.92	-13	-53.58
656.62	S	-65.34	-68.86	7.24	-3.71	-13	-52.34
907.85	S	-63.36	-66.84	7.91	-4.43	-13	-50.36
3828.60	H	-57.63	-61.14	12.50	-8.99	-13	-44.63

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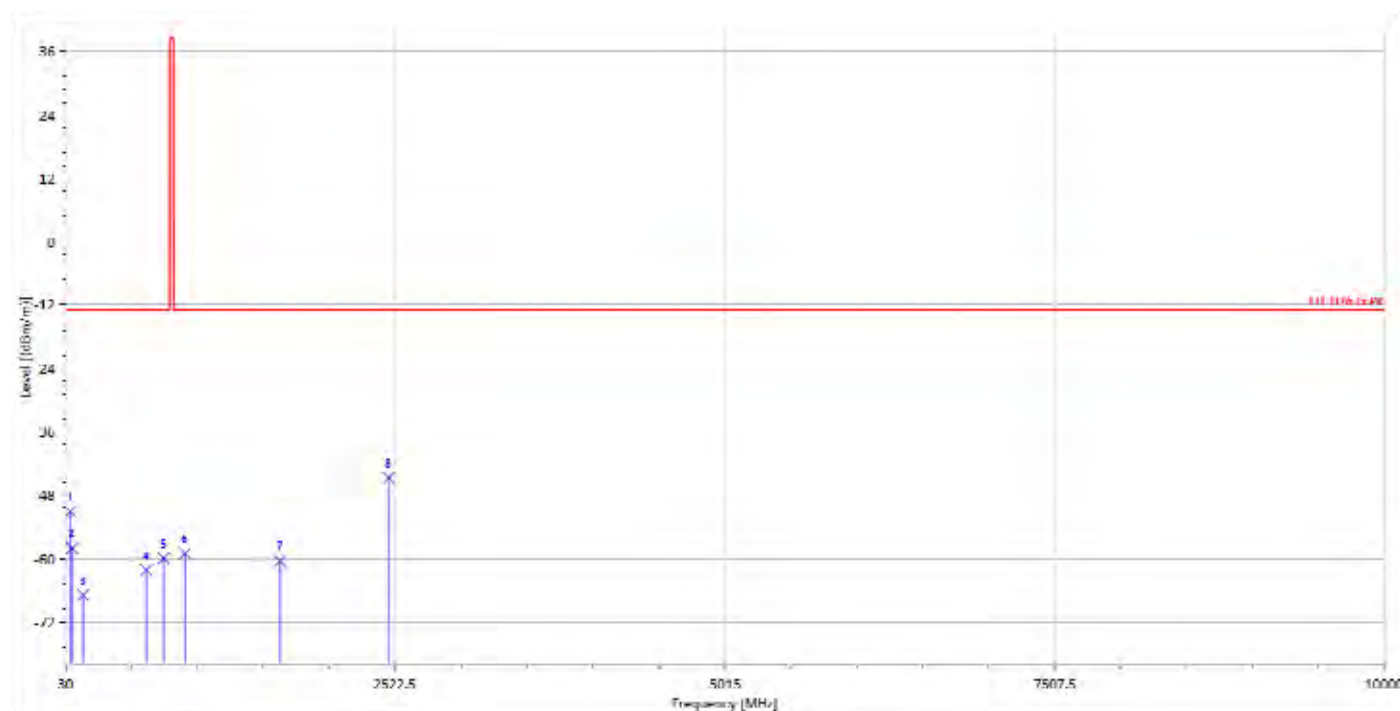
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Radiated Spurious Emission Measurement Result: LTE-Band 26 (The Worst Case)

LTEB26 3M QPSK RB			
Operation Mode :	1.14	Test Date :	2017/9/29
Fundamental Frequency :	847.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
32.91	S	-56.80	-36.00	-19.97	-0.83	-13	-43.80
101.78	S	-71.78	-67.00	-3.39	-1.39	-13	-58.78
558.65	S	-67.07	-67.67	4.03	-3.43	-13	-54.07
741.98	S	-64.35	-65.57	5.14	-3.92	-13	-51.35
776.90	S	-64.26	-65.42	5.19	-4.04	-13	-51.26
937.92	S	-61.69	-62.56	5.37	-4.49	-13	-48.69
1695.00	H	-58.50	-58.71	6.76	-6.55	-13	-45.50
2542.50	H	-58.52	-59.25	8.61	-7.88	-13	-45.52

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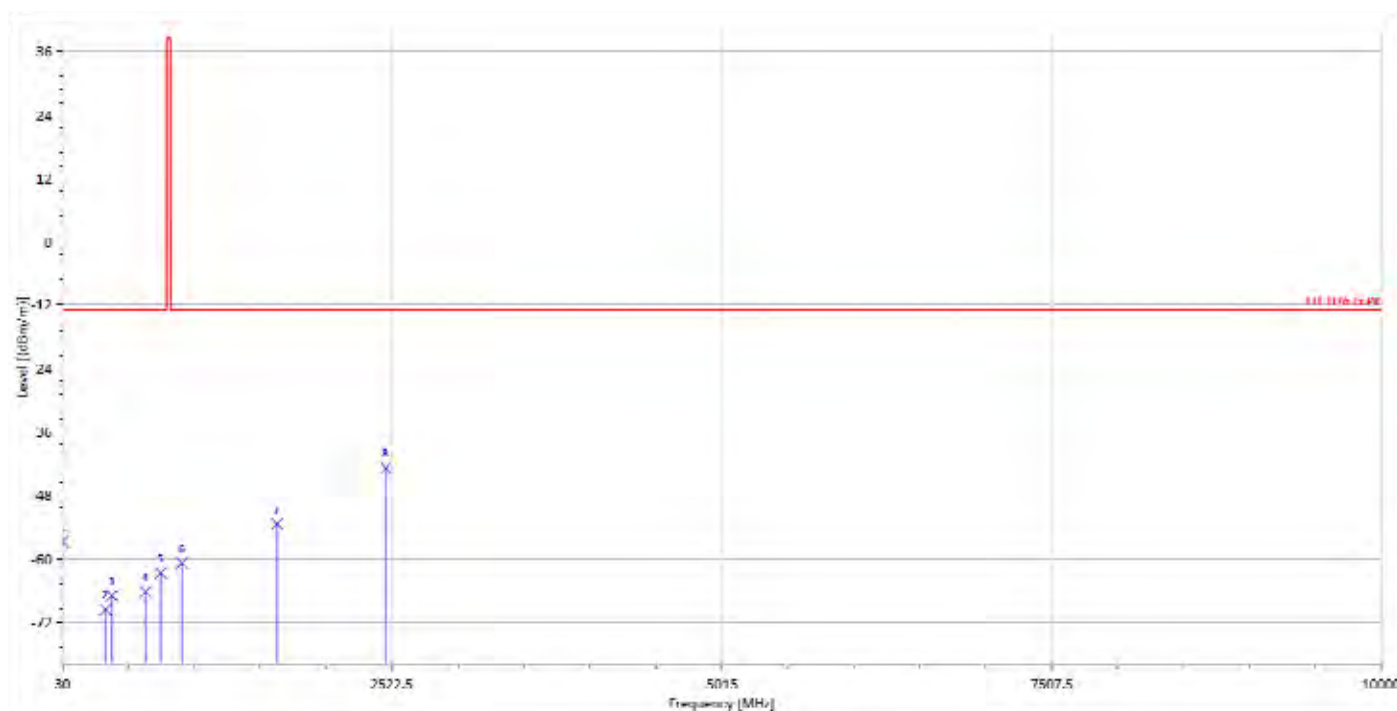
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f (886-2) 2298-0488

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Operation Mode : LTEB26 3M QPSK RB
Fundamental Frequency : 1.14
Operation Band : 825.5 MHz
EUT Pol. : Tx CH Low
Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-56.81	-36.01	-19.97	-0.83	-13	-43.81
359.80	S	-69.76	-70.45	3.39	-2.71	-13	-56.76
407.33	S	-67.05	-67.41	3.26	-2.91	-13	-54.05
658.56	S	-66.33	-67.31	4.70	-3.72	-13	-53.33
774.96	S	-62.70	-63.86	5.19	-4.03	-13	-49.70
936.95	S	-60.81	-61.68	5.37	-4.49	-13	-47.81
1651.00	H	-53.49	-53.61	6.57	-6.45	-13	-40.49
2476.50	H	-42.87	-43.59	8.53	-7.80	-13	-29.87

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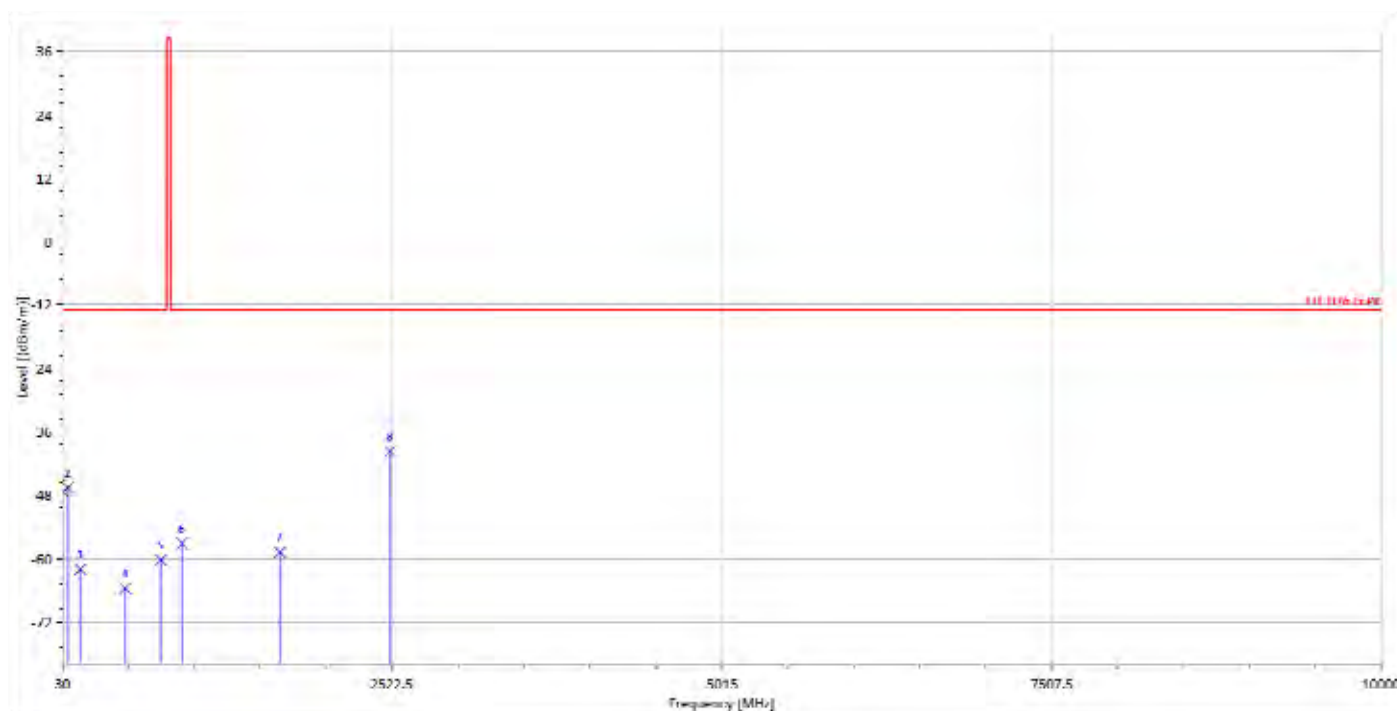
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Operation Mode : LTEB26 3M QPSK RB
Fundamental Frequency : 1.14
Operation Band : 836.5 MHz
EUT Pol. : Tx CH Mid
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
34.85	S	-47.31	-28.18	-18.29	-0.84	-13	-34.31
71.71	S	-46.57	-43.52	-1.90	-1.15	-13	-33.57
166.77	S	-62.00	-62.36	2.17	-1.81	-13	-49.00
502.39	S	-65.70	-66.50	4.04	-3.24	-13	-52.70
775.93	S	-60.21	-61.37	5.19	-4.03	-13	-47.21
937.92	S	-57.13	-58.00	5.37	-4.49	-13	-44.13
1673.00	H	-58.76	-58.94	6.69	-6.51	-13	-45.76
2509.50	H	-39.74	-40.46	8.56	-7.84	-13	-26.74

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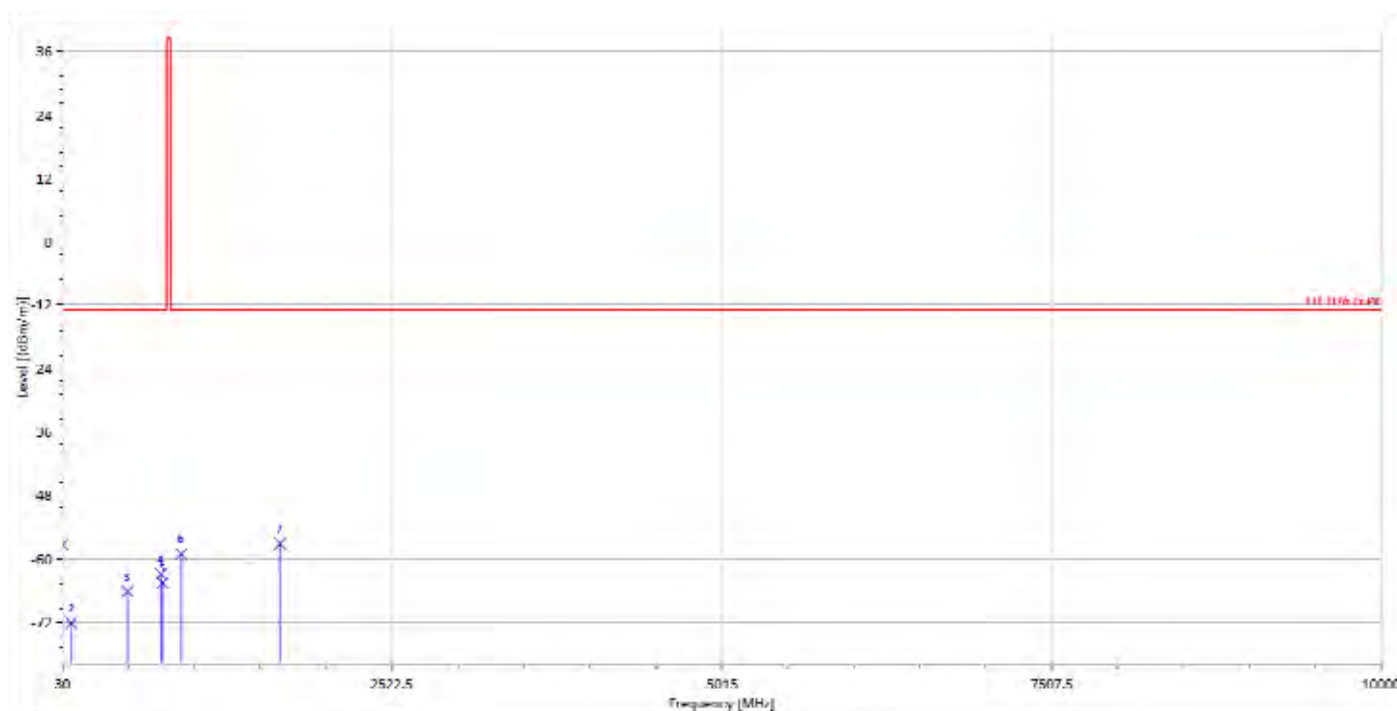
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Operation Mode : LTEB26 3M QPSK RB
Fundamental Frequency : 1.14
Operation Band : 836.5 MHz
EUT Pol. : Tx CH Mid
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-57.34	-37.38	-19.13	-0.84	-13	-44.34
96.93	S	-72.19	-67.83	-3.01	-1.36	-13	-59.19
521.79	S	-66.26	-66.95	4.01	-3.32	-13	-53.26
776.90	S	-62.94	-64.10	5.19	-4.04	-13	-49.94
789.51	S	-64.61	-65.73	5.21	-4.09	-13	-51.61
932.10	S	-59.06	-59.93	5.35	-4.48	-13	-46.06
1673.00	H	-57.20	-57.38	6.69	-6.51	-13	-44.20

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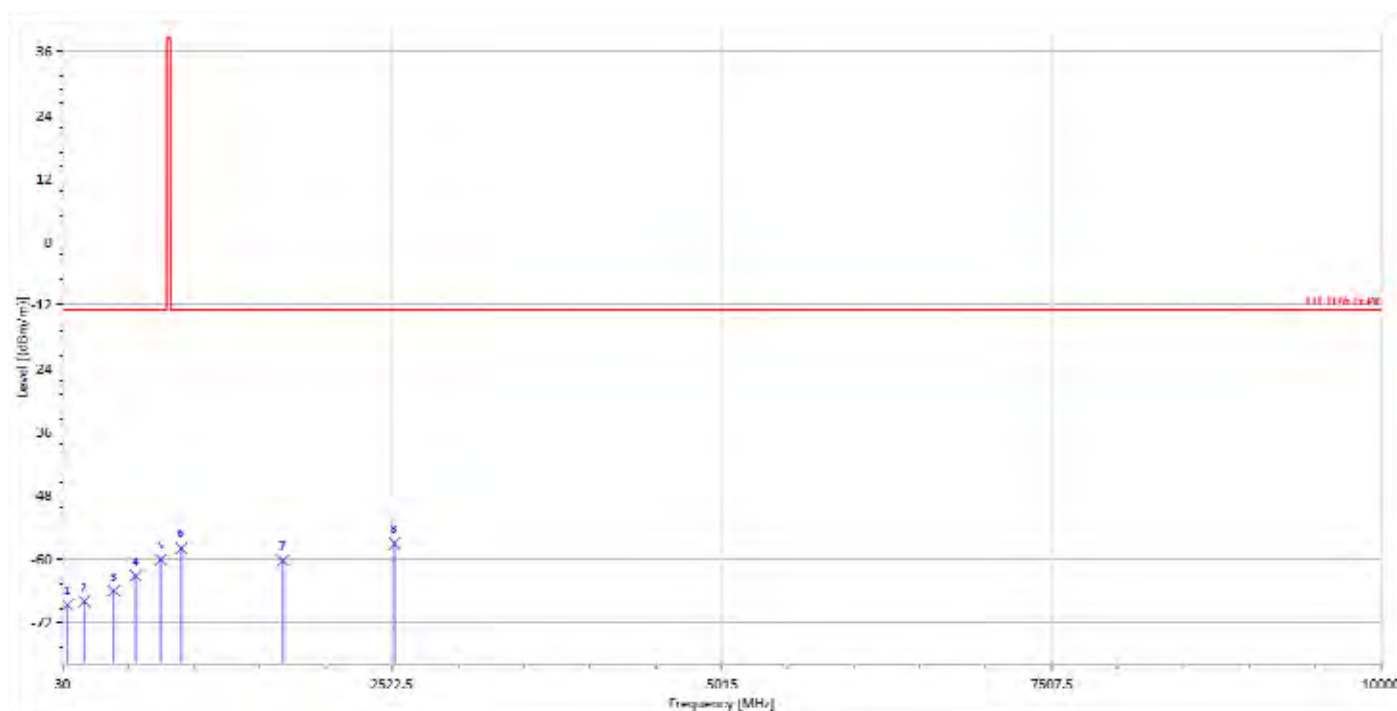
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Operation Mode : LTEB26 3M QPSK RB
Fundamental Frequency : 1.14
Operation Band : 847.5 MHz
EUT Pol. : Tx CH High
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
67.83	S	-68.83	-65.50	-2.21	-1.12	-13	-55.83
196.84	S	-68.16	-70.08	3.89	-1.97	-13	-55.16
419.94	S	-66.15	-66.56	3.37	-2.95	-13	-53.15
582.90	S	-63.29	-63.99	4.20	-3.50	-13	-50.29
773.99	S	-60.12	-61.29	5.19	-4.03	-13	-47.12
932.10	S	-57.99	-58.86	5.35	-4.48	-13	-44.99
1695.00	H	-60.37	-60.59	6.76	-6.55	-13	-47.37
2542.50	H	-57.14	-57.86	8.60	-7.87	-13	-44.14

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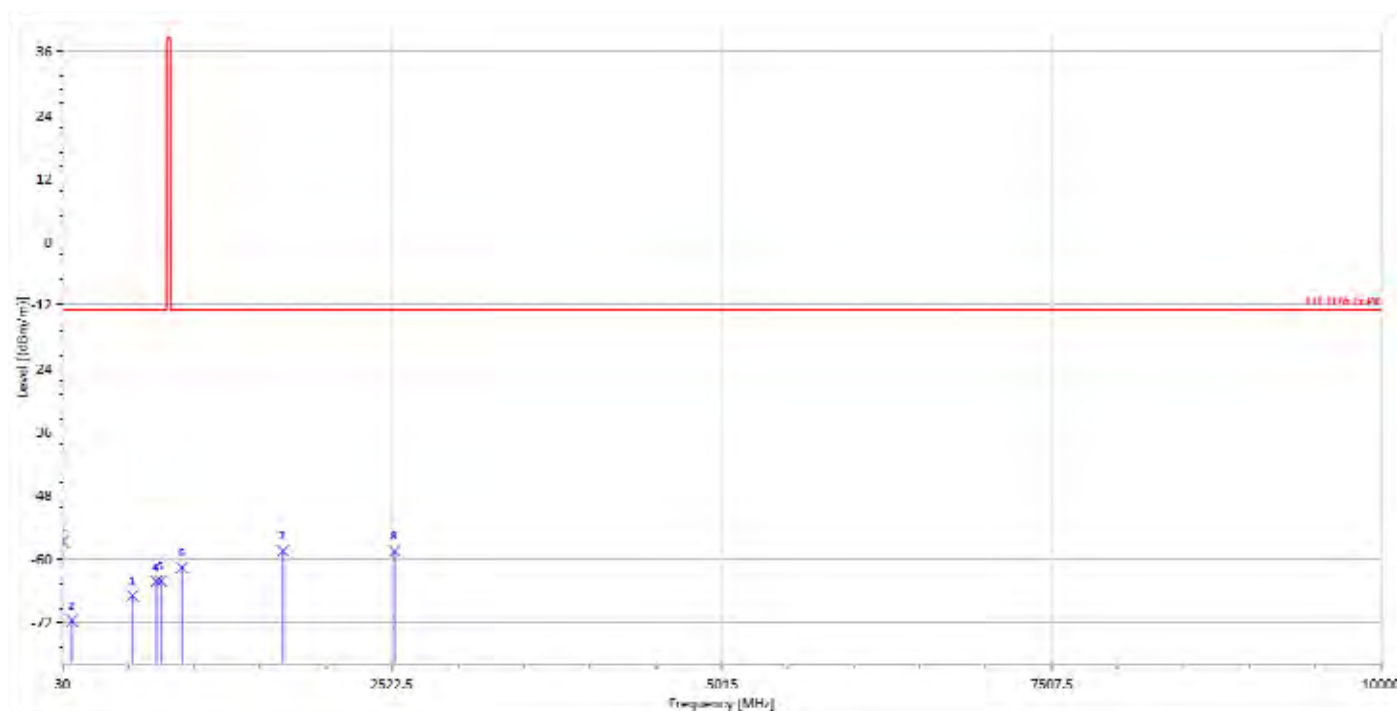
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Operation Mode : LTEB26 3M QPSK RB
Fundamental Frequency : 1.14
Operation Band : 847.5 MHz
EUT Pol. : Tx CH High
E2

Test Date : 2017/9/29
Temp. / Humi. : 22.7deg_C/57RH
Test Engineer : Enzo
Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
32.91	S	-56.80	-36.00	-19.97	-0.83	-13	-43.80
101.78	S	-71.78	-67.00	-3.39	-1.39	-13	-58.78
558.65	S	-67.07	-67.67	4.03	-3.43	-13	-54.07
741.98	S	-64.35	-65.57	5.14	-3.92	-13	-51.35
776.90	S	-64.26	-65.42	5.19	-4.04	-13	-51.26
937.92	S	-61.69	-62.56	5.37	-4.49	-13	-48.69
1695.00	H	-58.50	-58.71	6.76	-6.55	-13	-45.50
2542.50	H	-58.52	-59.25	8.61	-7.88	-13	-45.52

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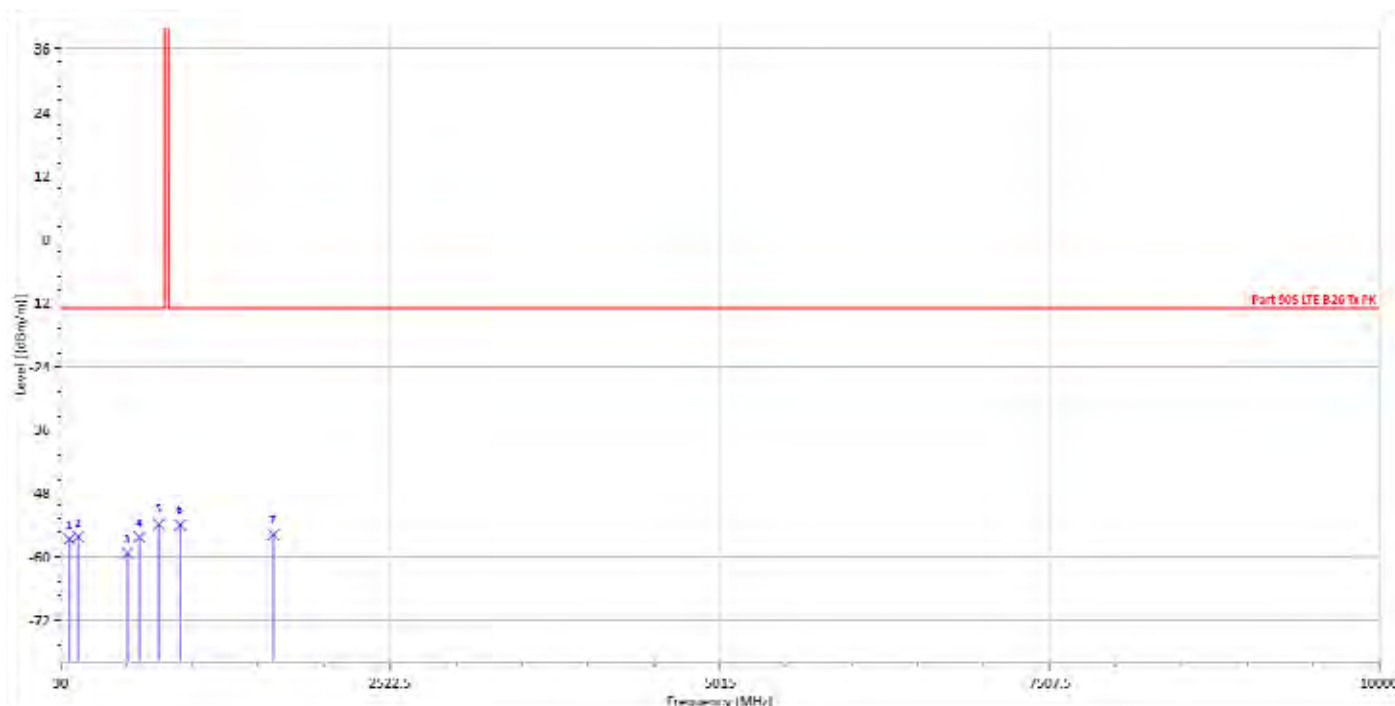
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Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S (The Worst Case)

Operation Mode :	LTEB26 10M QPSK 1.49	Test Date :	2017/9/29
Fundamental Frequency :	819 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
98.87	S	-56.66	-52.07	-3.22	-1.37	-13	-43.66
165.80	S	-56.21	-56.46	2.05	-1.80	-13	-43.21
536.34	S	-59.35	-59.97	3.99	-3.37	-13	-46.35
627.52	S	-56.31	-57.15	4.49	-3.65	-13	-43.31
775.93	S	-53.81	-54.96	5.19	-4.03	-13	-40.81
939.86	S	-53.96	-54.84	5.38	-4.50	-13	-40.96
1638.00	H	-55.81	-55.91	6.53	-6.43	-13	-42.81

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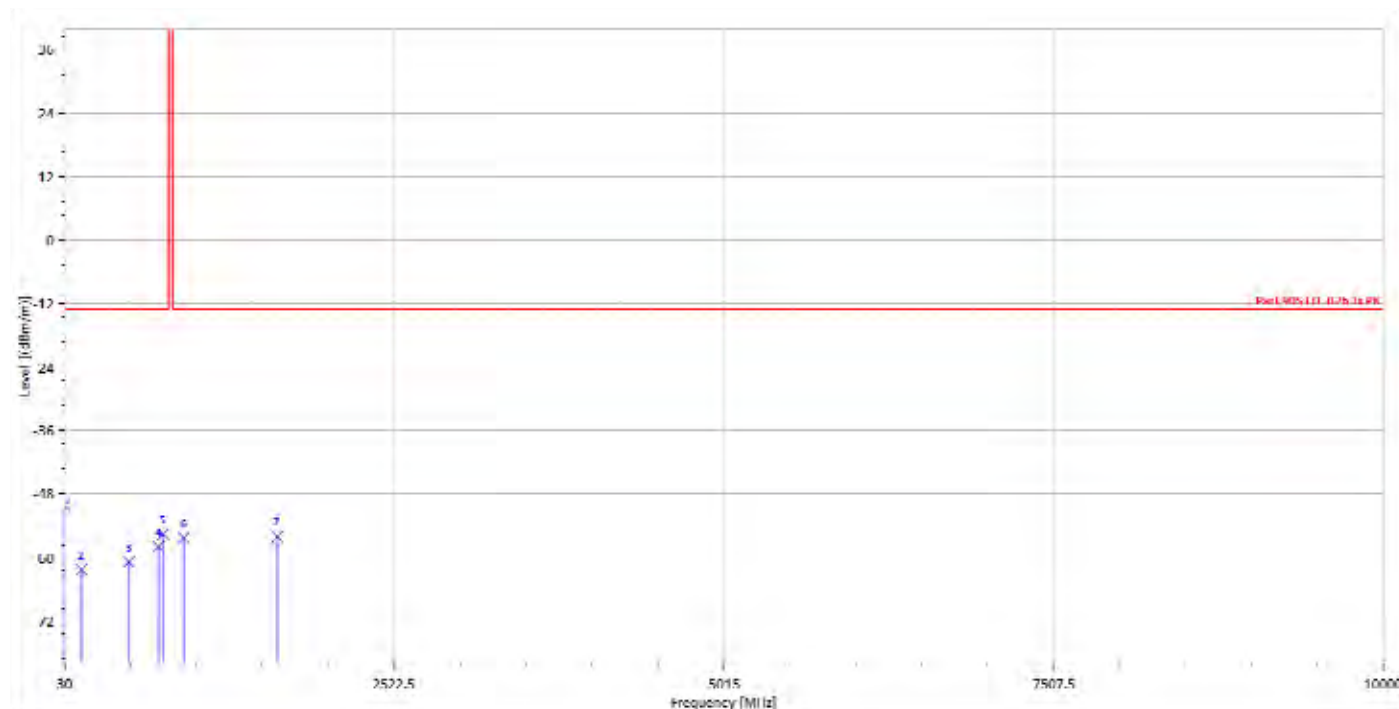
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Operation Mode : LTEB26 10M QPSK 1.49 Test Date : 2017/9/29
Fundamental Frequency : 819 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
30.97	S	-50.16	-27.68	-21.66	-0.82	-13	-37.16
160.95	S	-62.30	-61.98	1.46	-1.78	-13	-49.30
515.97	S	-60.85	-61.58	4.02	-3.29	-13	-47.85
742.95	S	-57.94	-59.17	5.15	-3.92	-13	-44.94
776.90	S	-55.55	-56.71	5.19	-4.04	-13	-42.55
935.98	S	-56.21	-57.09	5.36	-4.49	-13	-43.21
1638.00	H	-56.01	-56.11	6.53	-6.43	-13	-43.01

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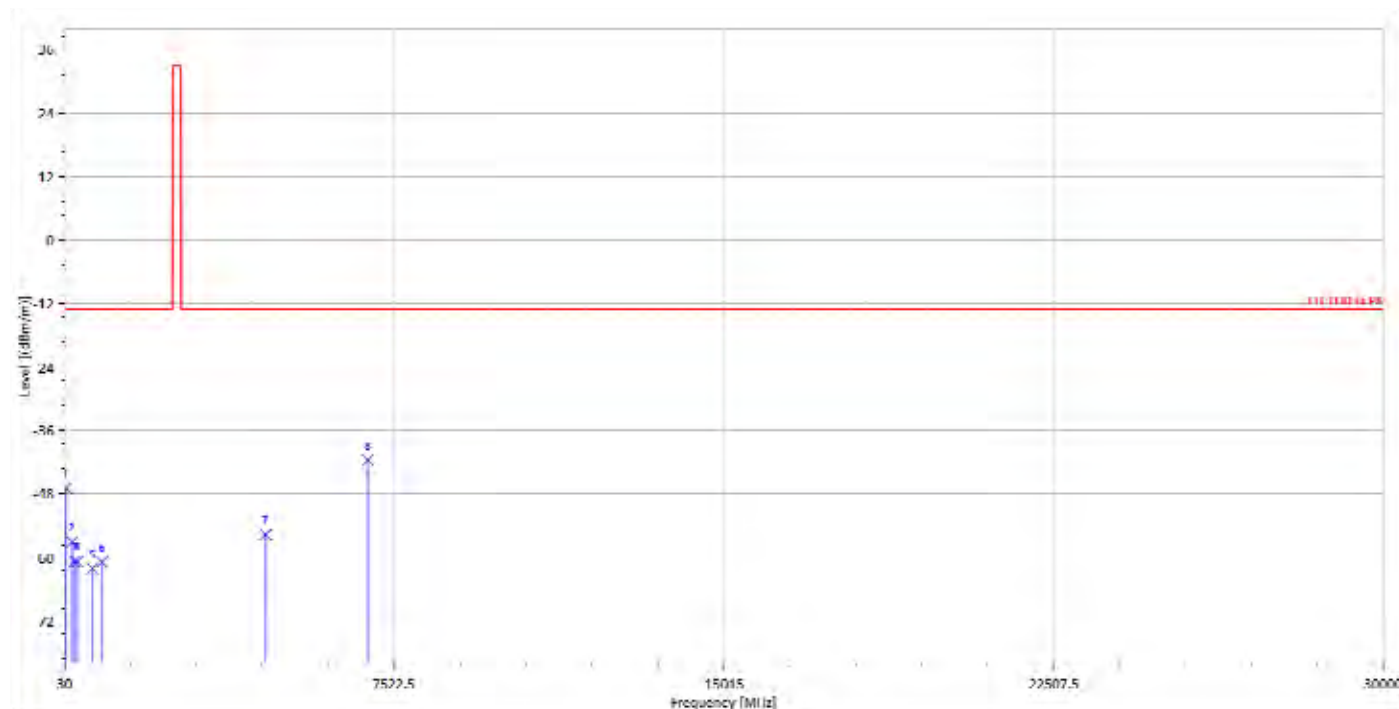
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Radiated Spurious Emission Measurement Result: LTE-Band 30 (The Worst Case)

Operation Mode : LTE B30 5M 64QAM 1.0 Test Date : 2017/9/28
Fundamental Frequency : 2307.5 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Ashton
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
62.98	S	-46.90	-45.00	-0.83	-1.08	-13	-33.90
205.57	S	-56.99	-60.88	5.91	-2.02	-13	-43.99
265.71	S	-60.78	-63.44	4.98	-2.32	-13	-47.78
332.64	S	-60.78	-64.11	5.94	-2.61	-13	-47.78
672.14	S	-62.10	-65.76	7.41	-3.75	-13	-49.10
893.30	S	-60.85	-64.33	7.88	-4.40	-13	-47.85
4615.00	H	-55.59	-58.55	12.58	-9.61	-13	-42.59
6922.50	H	-41.53	-42.36	12.05	-11.21	-13	-28.53

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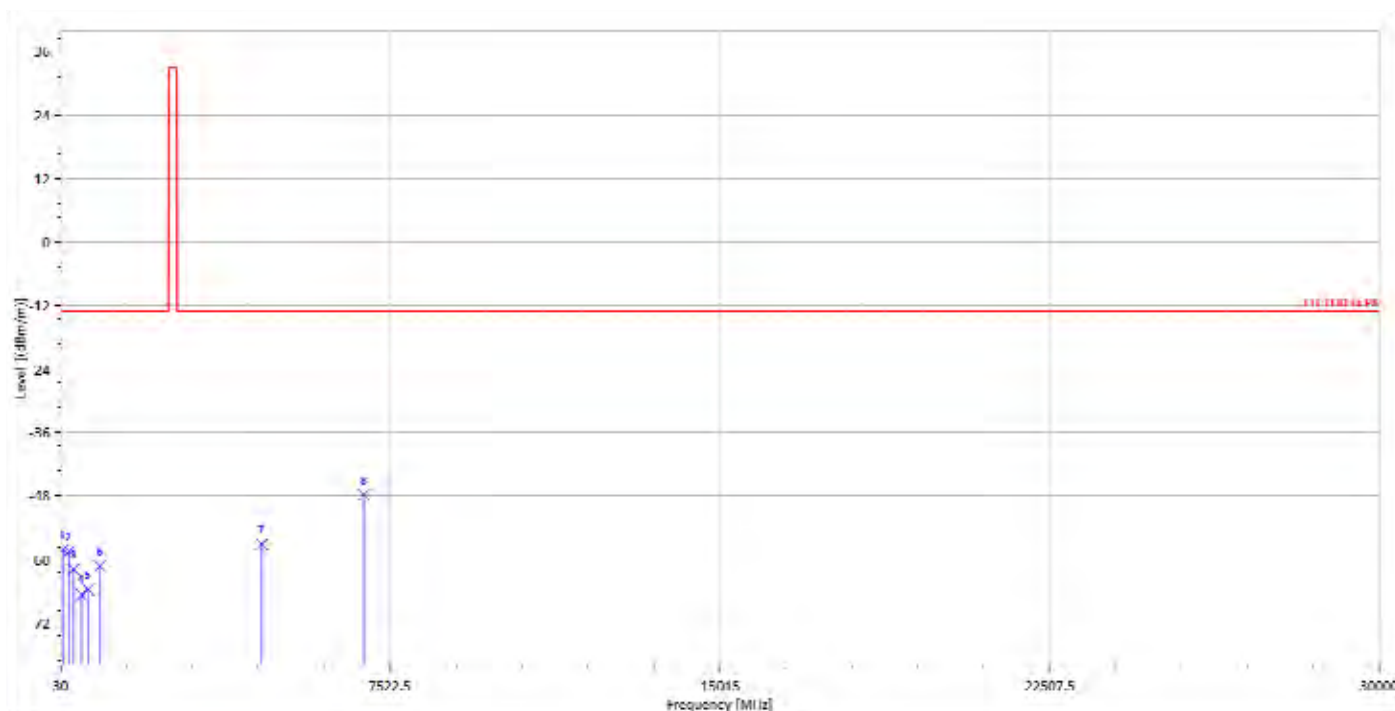
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Operation Mode :	LTE B30 5M 64QAM 1.0	Test Date :	2017/9/28
Fundamental Frequency :	2307.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level	Gain	Loss	@3m	
			dBm	dBd/dBi	dB	dBm/m	dB
94.99	S	-58.10	-56.07	-0.70	-1.34	-13	-45.10
227.88	S	-58.43	-62.41	6.11	-2.13	-13	-45.43
330.70	S	-61.87	-65.20	5.94	-2.60	-13	-48.87
513.06	S	-66.67	-69.90	6.50	-3.28	-13	-53.67
669.23	S	-65.71	-69.35	7.38	-3.74	-13	-52.71
937.92	S	-61.28	-64.73	7.95	-4.49	-13	-48.28
4615.00	H	-57.04	-60.01	12.58	-9.61	-13	-44.04
6922.50	H	-47.80	-48.64	12.05	-11.21	-13	-34.80

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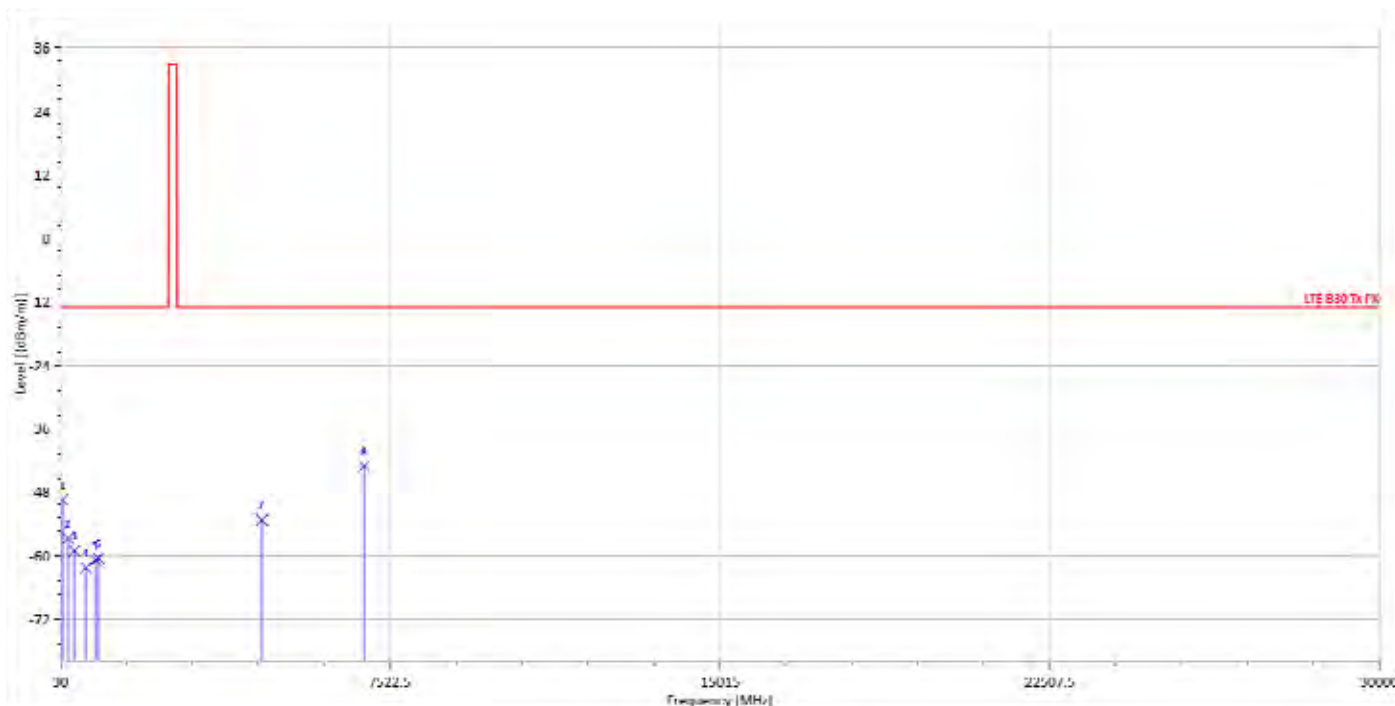
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Operation Mode :	LTE B30 5M 64QAM 1.0	Test Date :	2017/9/28
Fundamental Frequency :	2310.0 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
76.56	S	-49.53	-48.69	0.35	-1.19	-13	-36.53
205.57	S	-56.71	-60.61	5.91	-2.02	-13	-43.71
352.04	S	-59.08	-62.37	5.98	-2.69	-13	-46.08
612.97	S	-62.30	-65.72	7.02	-3.61	-13	-49.30
836.07	S	-60.84	-64.40	7.79	-4.22	-13	-47.84
904.94	S	-60.52	-64.00	7.90	-4.42	-13	-47.52
4620.00	H	-53.22	-56.18	12.58	-9.61	-13	-40.22
6930.00	H	-43.04	-43.86	12.04	-11.22	-13	-30.04

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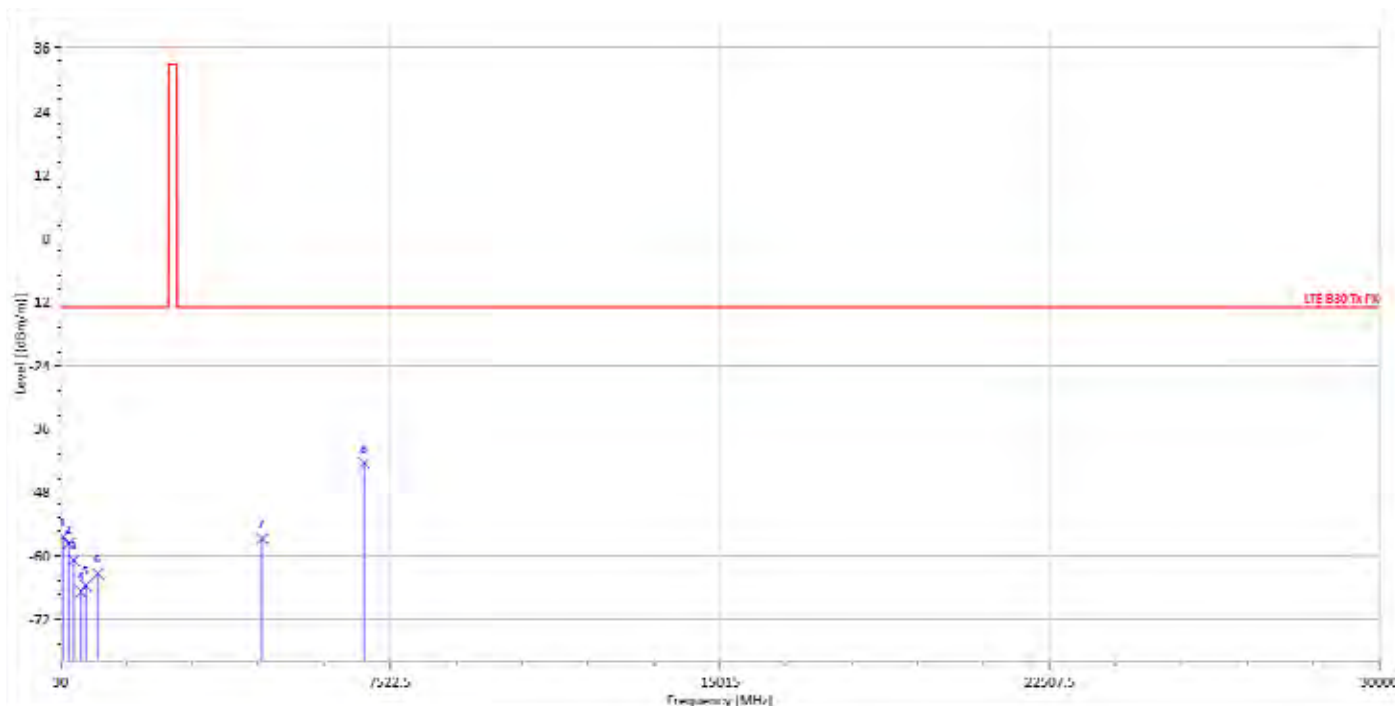
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Operation Mode :	LTE B30 5M 64QAM 1.0	Test Date :	2017/9/28
Fundamental Frequency :	2310.0 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
94.02	S	-56.39	-54.48	-0.58	-1.33	-13	-43.39
220.12	S	-57.71	-61.97	6.35	-2.09	-13	-44.71
332.64	S	-60.91	-64.24	5.94	-2.61	-13	-47.91
503.36	S	-66.80	-70.05	6.49	-3.24	-13	-53.80
613.94	S	-65.72	-69.13	7.03	-3.61	-13	-52.72
889.42	S	-63.46	-66.95	7.87	-4.39	-13	-50.46
4620.00	H	-56.74	-59.70	12.58	-9.61	-13	-43.74
6930.00	H	-42.48	-43.31	12.04	-11.22	-13	-29.48

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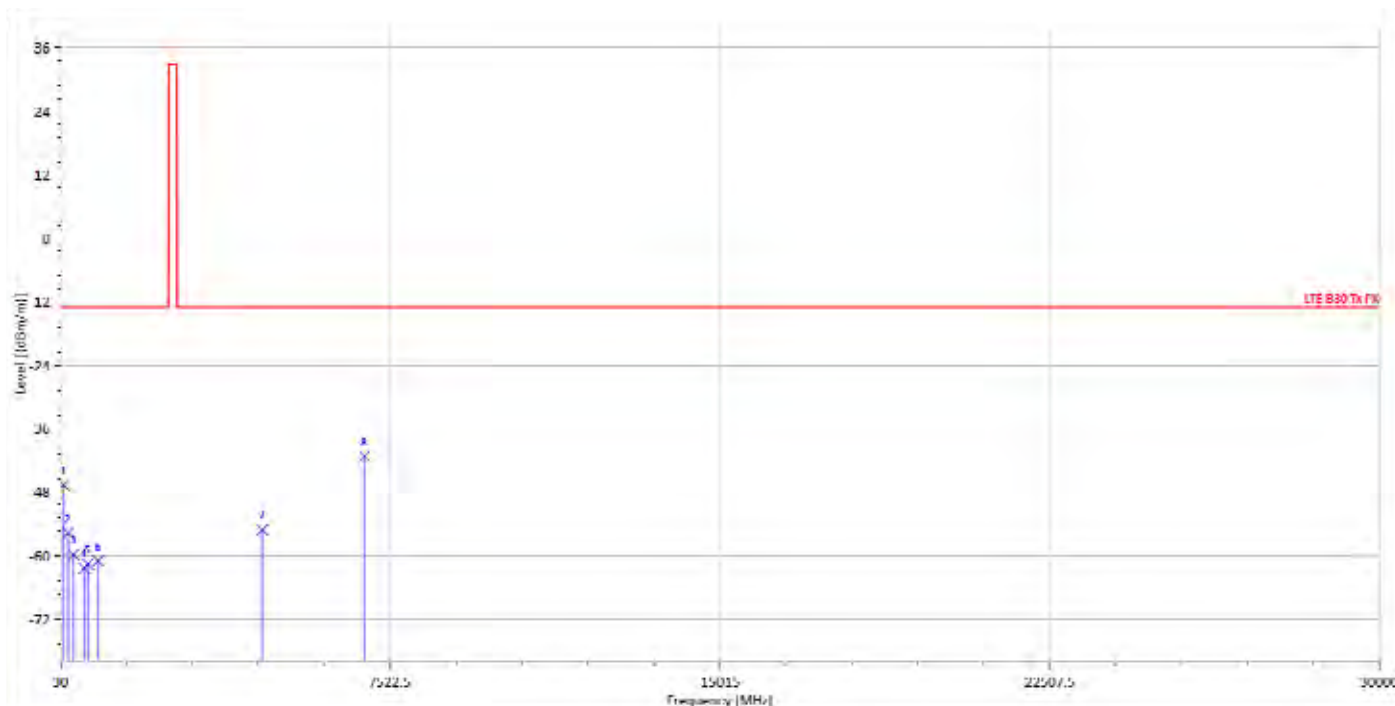
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Operation Mode :	LTE B30 5M 64QAM 1.0	Test Date :	2017/9/28
Fundamental Frequency :	2312.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
101.78	S	-46.70	-43.95	-1.36	-1.39	-13	-33.70
205.57	S	-55.67	-59.56	5.91	-2.02	-13	-42.67
327.79	S	-59.82	-63.16	5.93	-2.59	-13	-46.82
579.02	S	-62.42	-65.72	6.78	-3.49	-13	-49.42
658.56	S	-61.62	-65.17	7.26	-3.72	-13	-48.62
895.24	S	-61.01	-64.50	7.89	-4.40	-13	-48.01
4625.00	H	-55.08	-58.03	12.58	-9.62	-13	-42.08
6937.50	H	-41.16	-41.98	12.04	-11.22	-13	-28.16

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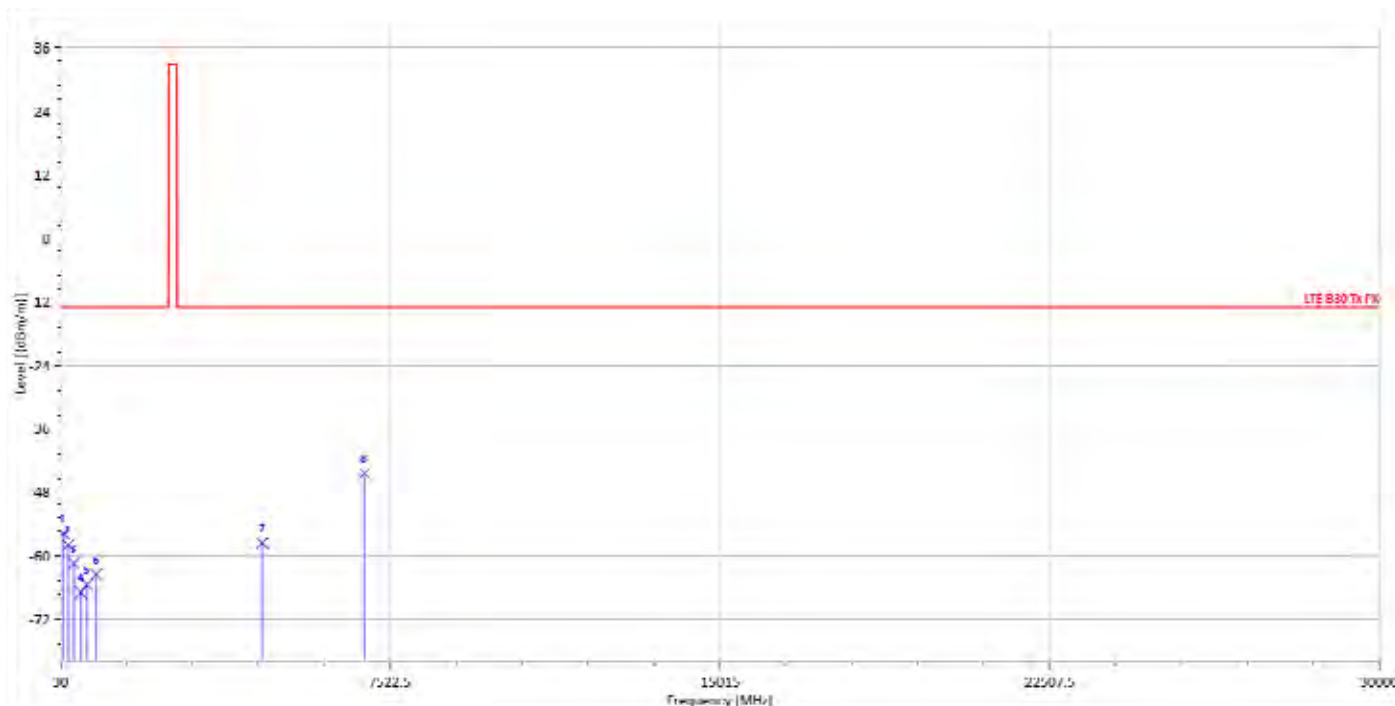
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Operation Mode :	LTE B30 5M 64QAM 1.0	Test Date :	2017/9/28
Fundamental Frequency :	2312.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
94.99	S	-55.74	-53.70	-0.70	-1.34	-13	-42.74
206.54	S	-57.99	-61.91	5.94	-2.02	-13	-44.99
338.46	S	-61.48	-64.81	5.96	-2.63	-13	-48.48
503.36	S	-66.94	-70.19	6.49	-3.24	-13	-53.94
643.04	S	-65.52	-68.98	7.14	-3.68	-13	-52.52
847.71	S	-63.60	-67.14	7.80	-4.26	-13	-50.60
4625.00	H	-57.57	-60.53	12.58	-9.62	-13	-44.57
6937.50	H	-44.44	-45.26	12.04	-11.22	-13	-31.44

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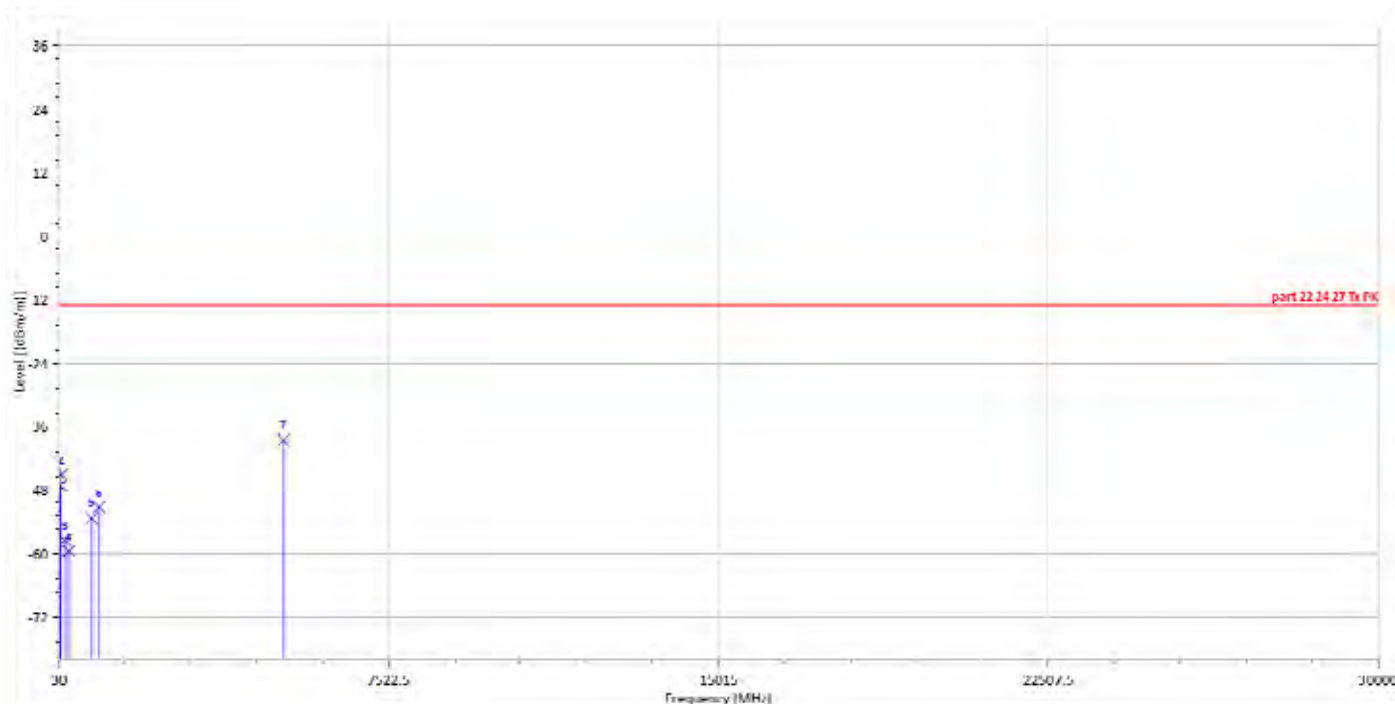
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Radiated Spurious Emission Measurement Result: LTE-Band 38 (The Worst Case)

Operation Mode :	LTEB38 5M QPSK 1.0	Test Date :	2017/9/29
Fundamental Frequency :	2572.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
59.10	S	-47.20	-44.58	-1.58	-1.04	-13.01	-34.19
80.44	S	-45.07	-44.30	0.45	-1.22	-13.01	-32.06
163.86	S	-57.46	-59.29	3.63	-1.79	-13.01	-44.45
248.25	S	-59.52	-62.53	5.25	-2.24	-13.01	-46.51
768.17	S	-53.25	-56.99	7.73	-4.00	-13.01	-40.24
938.89	S	-51.25	-54.71	7.95	-4.50	-13.01	-38.24
5145.00	H	-38.54	-41.15	12.65	-10.03	-13.01	-25.53

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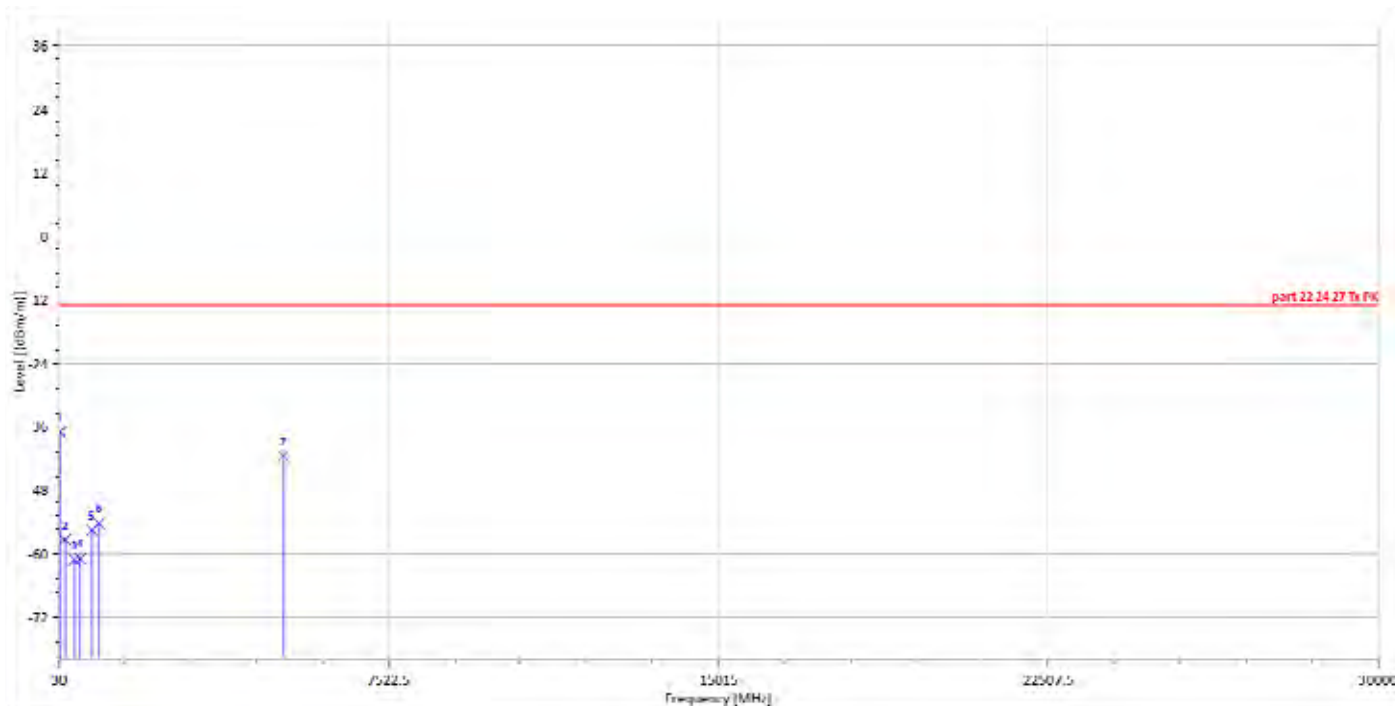
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Operation Mode :	LTEB38 5M QPSK 1.0	Test Date :	2017/9/29
Fundamental Frequency :	2572.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
59.10	S	-37.03	-34.41	-1.58	-1.04	-13.01	-24.02
164.83	S	-57.33	-59.27	3.74	-1.80	-13.01	-44.32
376.29	S	-61.18	-64.27	5.87	-2.78	-13.01	-48.17
502.39	S	-60.98	-64.23	6.49	-3.24	-13.01	-47.97
774.96	S	-55.50	-59.22	7.74	-4.03	-13.01	-42.49
938.89	S	-54.22	-57.68	7.95	-4.50	-13.01	-41.21
5145.00	H	-41.51	-44.12	12.65	-10.03	-13.01	-28.50

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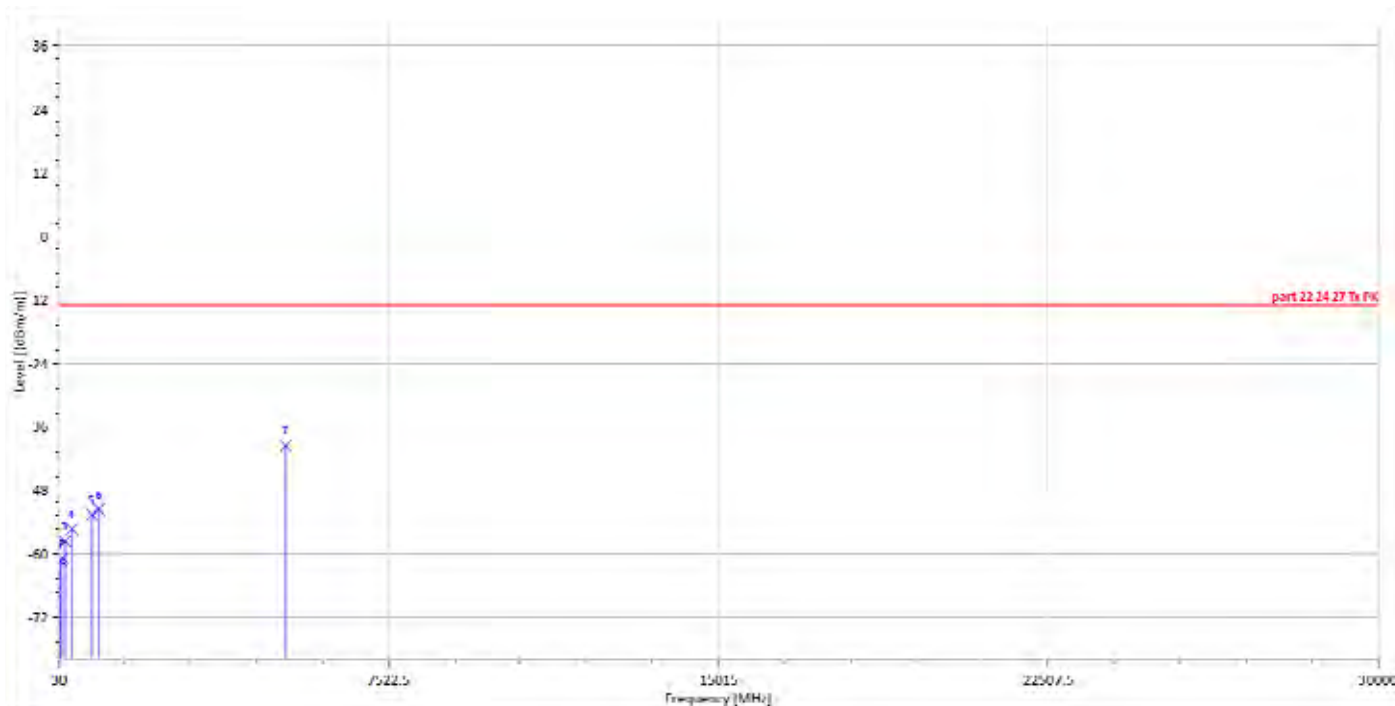
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Operation Mode :	LTEB38 5M QPSK 1.0	Test Date :	2017/9/29
Fundamental Frequency :	2595.0 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
60.07	S	-61.25	-58.99	-1.22	-1.05	-13.01	-48.24
100.81	S	-60.85	-58.15	-1.32	-1.39	-13.01	-47.84
161.92	S	-57.59	-59.22	3.41	-1.78	-13.01	-44.58
316.15	S	-55.32	-58.67	5.90	-2.54	-13.01	-42.31
774.96	S	-52.61	-56.32	7.74	-4.03	-13.01	-39.60
936.95	S	-51.63	-55.08	7.95	-4.49	-13.01	-38.62
5190.00	H	-39.53	-42.16	12.69	-10.06	-13.01	-26.52

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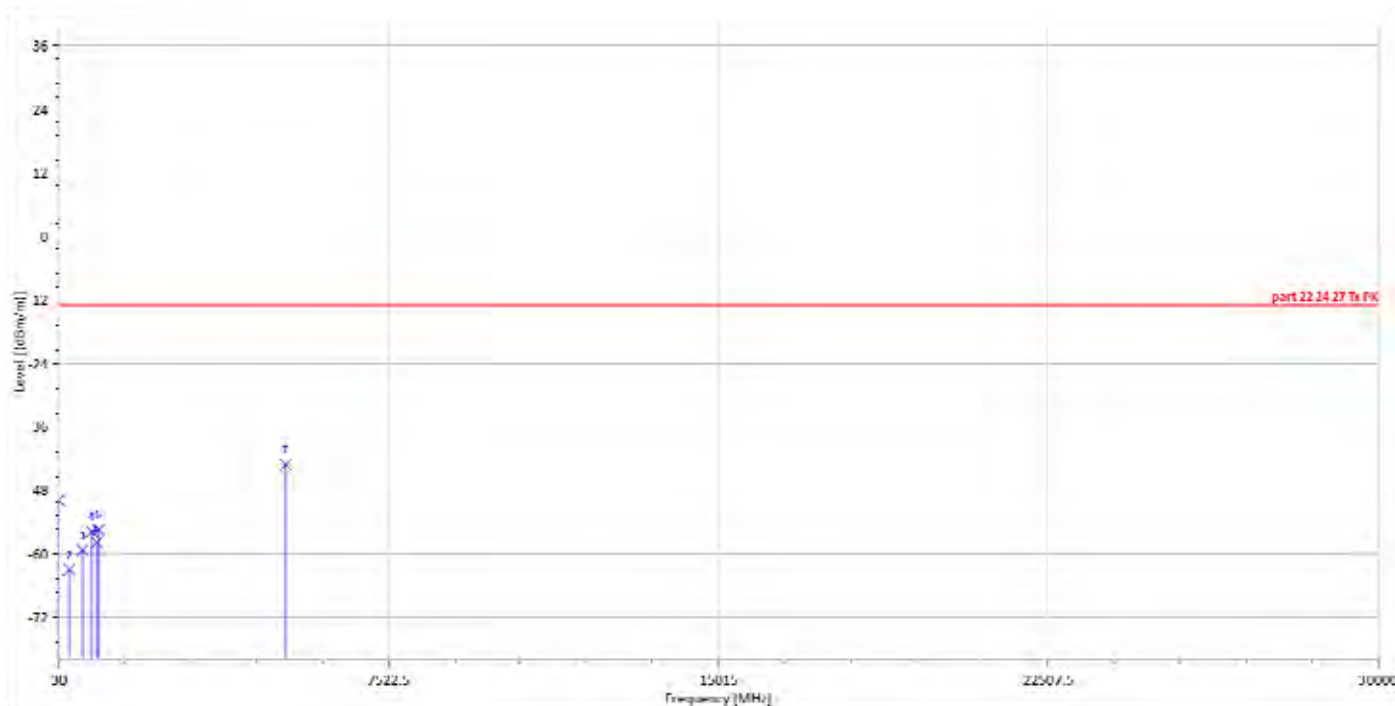
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Operation Mode :	LTEB38 5M QPSK 1.0	Test Date :	2017/9/29
Fundamental Frequency :	2595.0 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
30.97	S	-49.98	-29.59	-19.56	-0.82	-13.01	-36.97
254.07	S	-63.05	-65.68	4.90	-2.27	-13.01	-50.04
561.56	S	-59.34	-62.53	6.62	-3.43	-13.01	-46.33
773.02	S	-55.76	-59.48	7.74	-4.02	-13.01	-42.75
890.39	S	-57.84	-61.33	7.88	-4.39	-13.01	-44.83
934.04	S	-55.46	-58.92	7.94	-4.48	-13.01	-42.45
5190.00	S	-43.14	-45.76	12.69	-10.06	-13.01	-30.13

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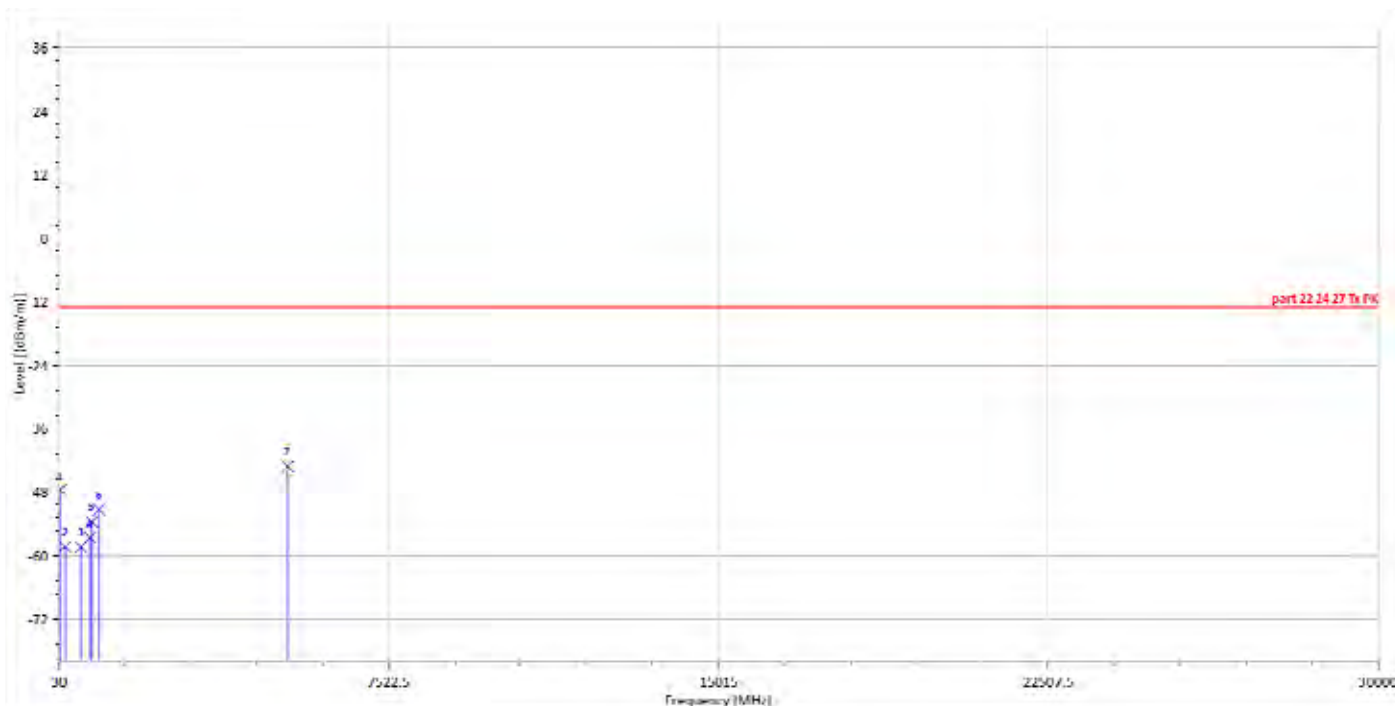
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Operation Mode :	LTEB38 5M QPSK 1.0	Test Date :	2017/9/29
Fundamental Frequency :	2617.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
60.07	S	-47.60	-45.33	-1.22	-1.05	-13.01	-34.59
165.80	S	-58.31	-60.35	3.85	-1.80	-13.01	-45.30
526.64	S	-58.34	-61.51	6.50	-3.34	-13.01	-45.33
732.28	S	-56.57	-60.38	7.71	-3.90	-13.01	-43.56
774.96	S	-53.54	-57.25	7.74	-4.03	-13.01	-40.53
937.92	S	-51.35	-54.81	7.95	-4.49	-13.01	-38.34
5235.00	S	-43.08	-45.73	12.74	-10.09	-13.01	-30.07

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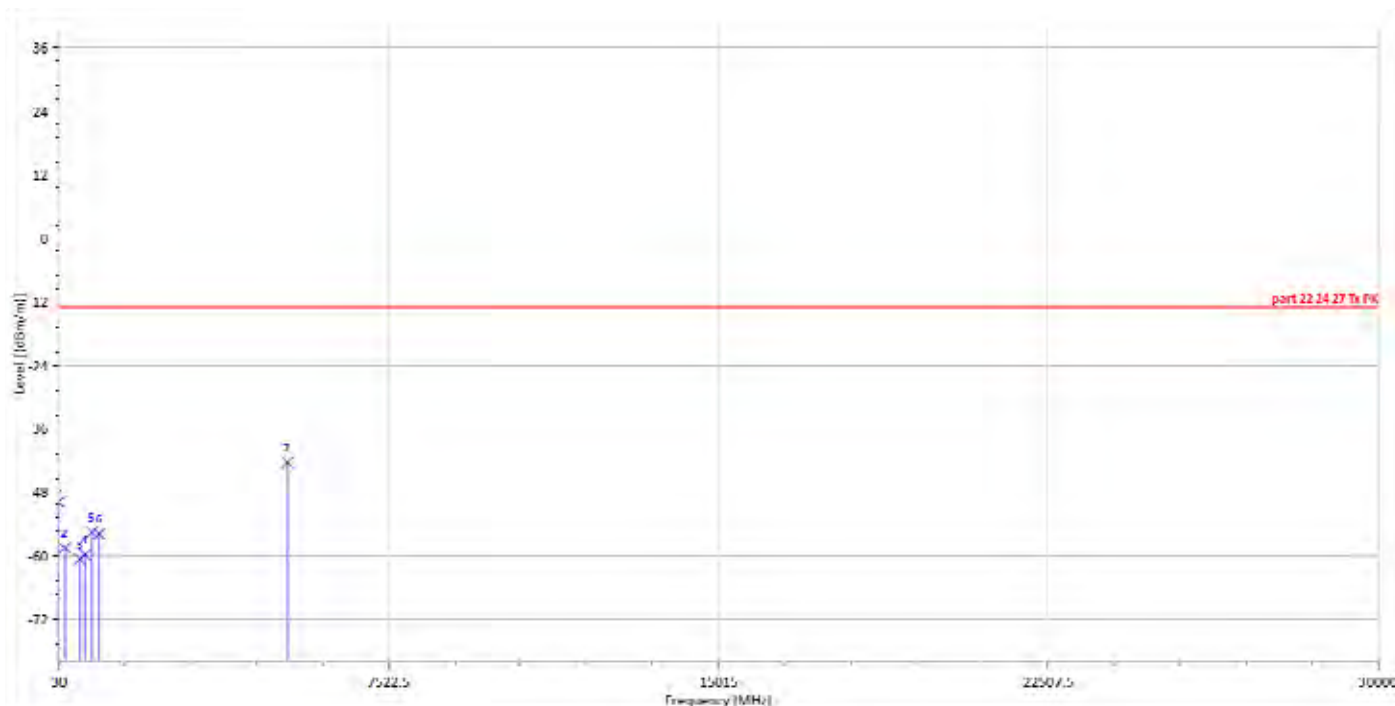
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Operation Mode :	LTEB38 5M QPSK 1.0	Test Date :	2017/9/29
Fundamental Frequency :	2617.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
31.94	S	-49.93	-30.32	-18.78	-0.83	-13.01	-36.92
161.92	S	-58.54	-60.16	3.41	-1.78	-13.01	-45.53
497.54	S	-60.65	-63.91	6.48	-3.22	-13.01	-47.64
620.73	S	-59.84	-63.26	7.05	-3.63	-13.01	-46.83
774.96	S	-55.55	-59.26	7.74	-4.03	-13.01	-42.54
940.83	S	-55.82	-59.27	7.95	-4.50	-13.01	-42.81
5235.00	H	-42.30	-44.94	12.74	-10.09	-13.01	-29.29

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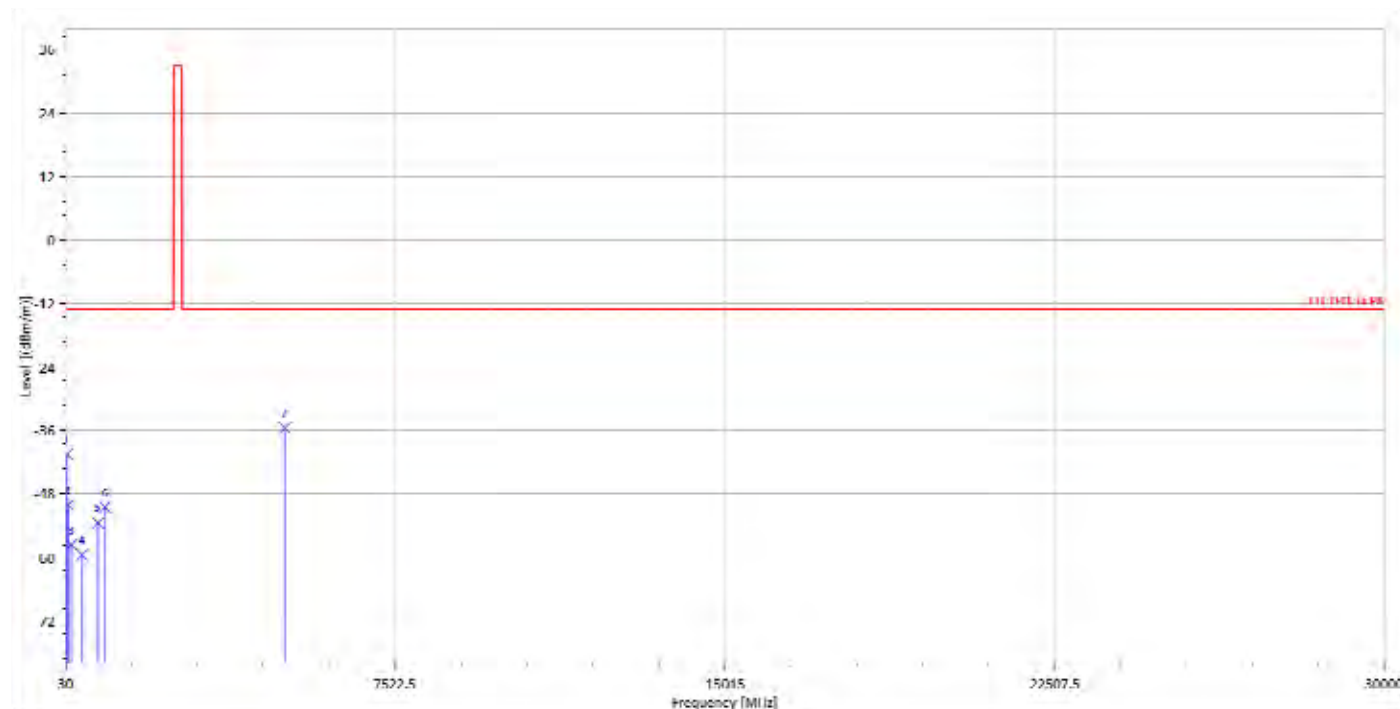
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Radiated Spurious Emission Measurement Result: LTE-Band 41(The Worst Case)

Operation Mode : LTEB41 20M QPSK 1.0 Test Date : 2017/9/29
Fundamental Frequency : 2506 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
63.95	S	-40.40	-38.61	-0.70	-1.09	-13	-27.40
87.23	S	-50.14	-48.91	0.05	-1.28	-13	-37.14
162.89	S	-57.56	-59.29	3.52	-1.79	-13	-44.56
414.12	S	-59.48	-62.44	5.90	-2.93	-13	-46.48
776.90	S	-53.37	-57.07	7.74	-4.04	-13	-40.37
937.92	S	-50.53	-53.98	7.95	-4.49	-13	-37.53
5012.00	H	-35.54	-38.12	12.51	-9.93	-13	-22.54

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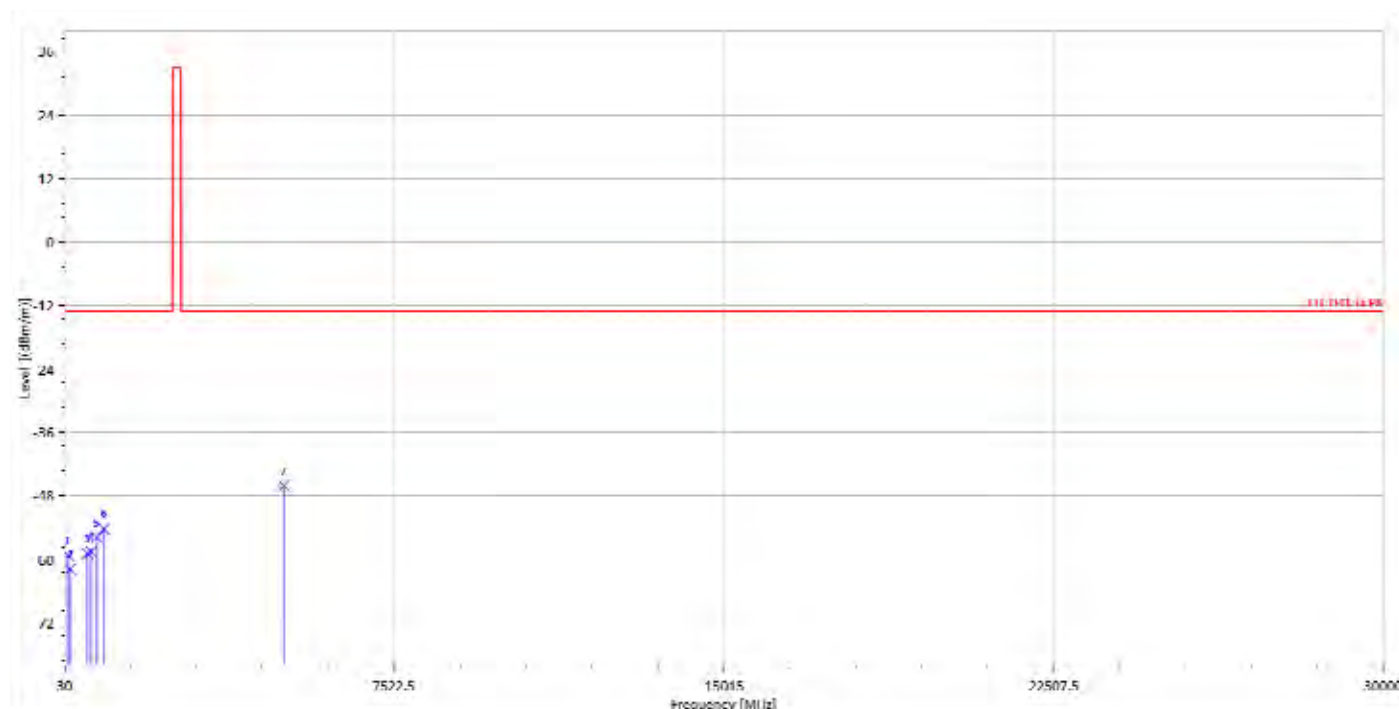
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Operation Mode : LTEB41 20M QPSK 1.0 Test Date : 2017/9/29
Fundamental Frequency : 2506 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Low Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
113.42	S	-59.17	-56.20	-1.51	-1.47	-13	-46.17
162.89	S	-61.81	-63.54	3.52	-1.79	-13	-48.81
554.77	S	-58.81	-61.95	6.56	-3.42	-13	-45.81
645.95	S	-58.50	-61.97	7.15	-3.69	-13	-45.50
773.99	S	-55.79	-59.50	7.74	-4.03	-13	-42.79
936.95	S	-54.14	-57.59	7.95	-4.49	-13	-41.14
5012.00	H	-46.06	-48.65	12.51	-9.93	-13	-33.06

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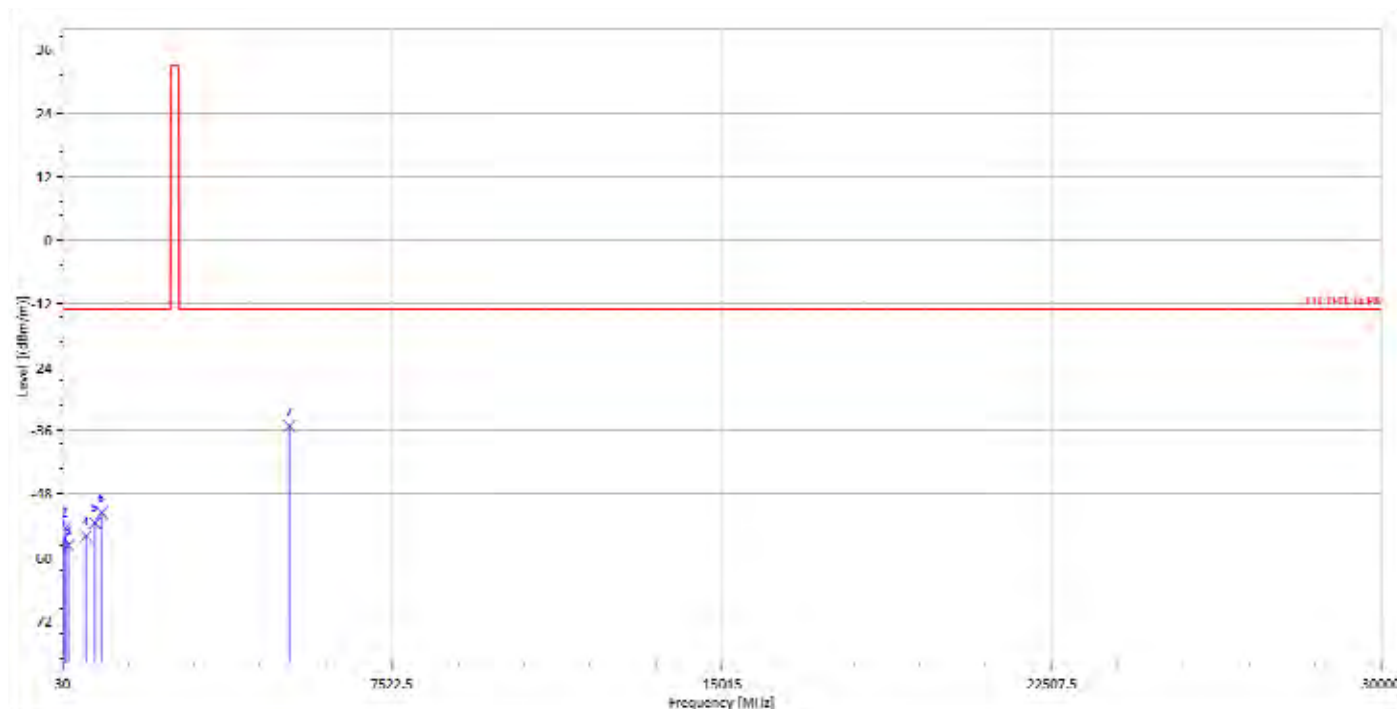
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Operation Mode : LTEB41 20M QPSK 1.0 Test Date : 2017/9/29
Fundamental Frequency : 2593 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
63.95	S	-56.37	-54.58	-0.70	-1.09	-13	-43.37
95.96	S	-54.33	-52.17	-0.81	-1.35	-13	-41.33
165.80	S	-57.65	-59.69	3.85	-1.80	-13	-44.65
569.32	S	-55.86	-59.10	6.69	-3.46	-13	-42.86
774.96	S	-53.38	-57.09	7.74	-4.03	-13	-40.38
932.10	S	-51.52	-54.98	7.94	-4.48	-13	-38.52
5186.00	H	-35.20	-37.82	12.69	-10.06	-13	-22.20

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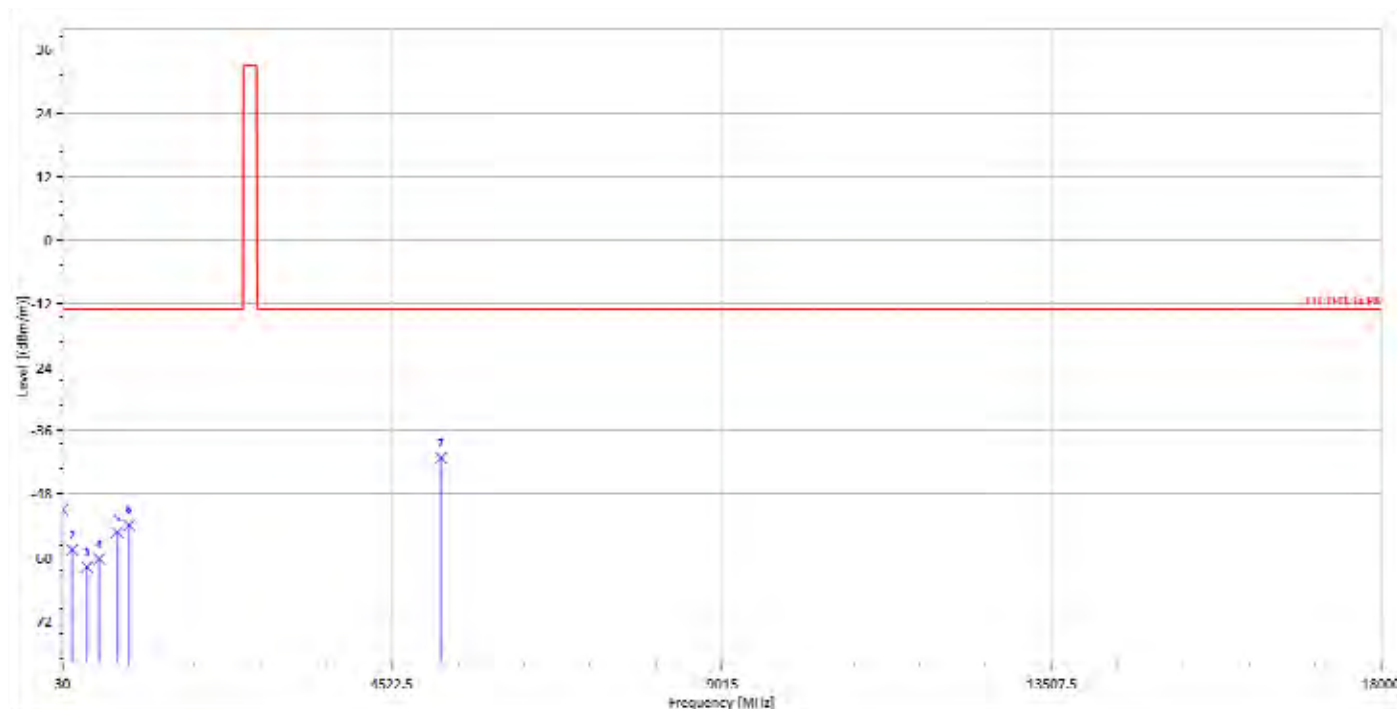
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Operation Mode : LTEB41 20M QPSK 1.0 Test Date : 2017/9/29
Fundamental Frequency : 2593 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH Mid Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-51.02	-32.19	-18.00	-0.83	-13	-38.02
162.89	S	-58.52	-60.25	3.52	-1.79	-13	-45.52
367.56	S	-61.80	-64.97	5.91	-2.74	-13	-48.80
538.28	S	-60.25	-63.39	6.51	-3.37	-13	-47.25
775.93	S	-55.14	-58.84	7.74	-4.03	-13	-42.14
934.04	S	-53.81	-57.27	7.94	-4.48	-13	-40.81
5186.00	S	-41.11	-43.74	12.69	-10.06	-13	-28.11

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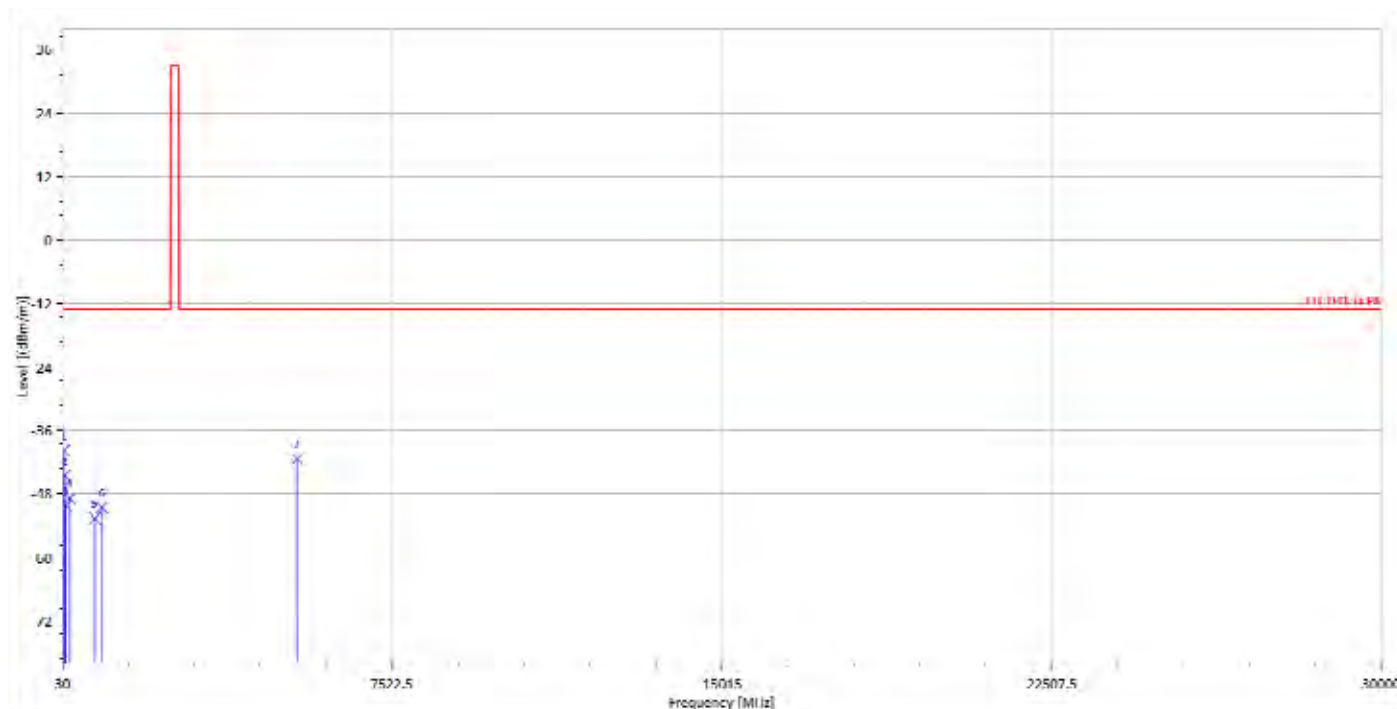
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Operation Mode : LTEB41 20M QPSK 1.0 Test Date : 2017/9/29
Fundamental Frequency : 2680 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	dB
59.10	S	-39.67	-37.05	-1.58	-1.04	-13	-26.67
79.47	S	-44.46	-43.69	0.45	-1.22	-13	-31.46
107.60	S	-50.19	-47.19	-1.57	-1.43	-13	-37.19
191.02	S	-48.83	-52.76	5.87	-1.95	-13	-35.83
773.99	S	-52.58	-56.29	7.74	-4.03	-13	-39.58
937.92	S	-50.61	-54.06	7.95	-4.49	-13	-37.61
5360.00	H	-41.31	-43.98	12.86	-10.18	-13	-28.31

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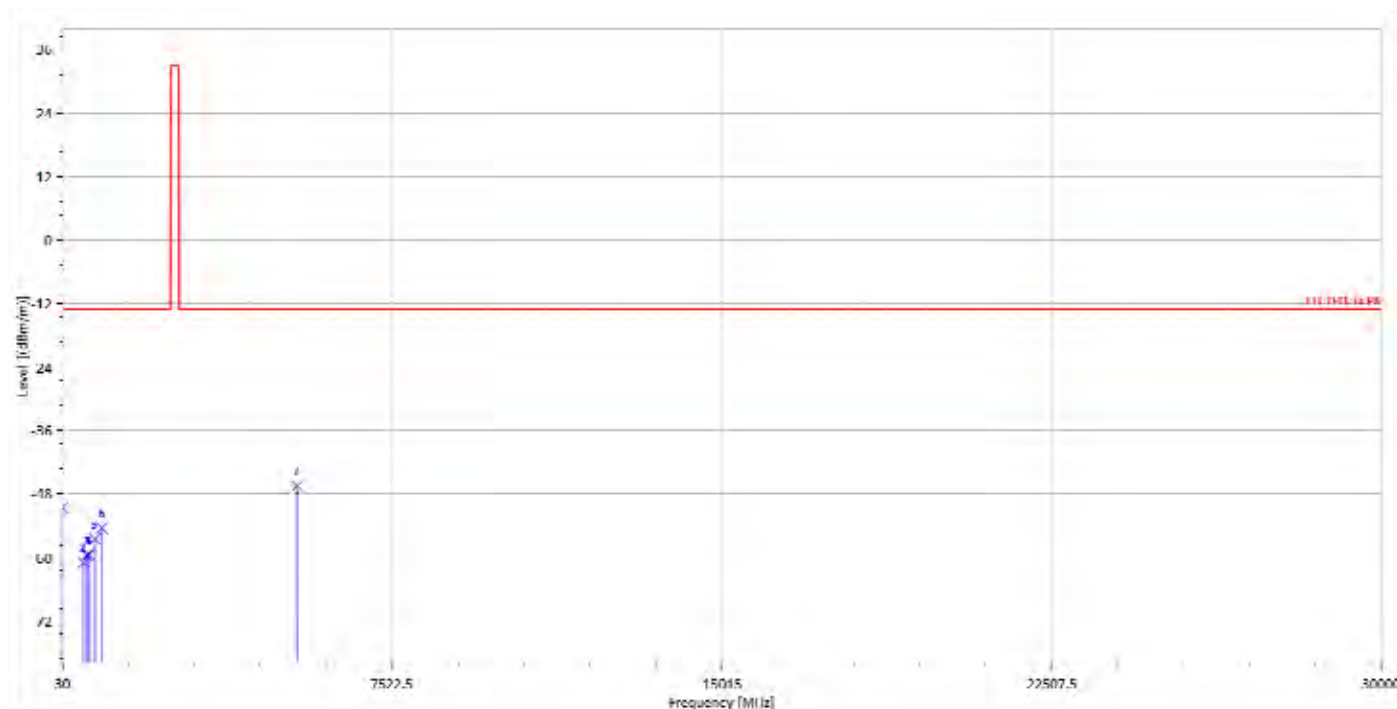
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Operation Mode : LTEB41 20M QPSK 1.0 Test Date : 2017/9/29
Fundamental Frequency : 2680 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : Tx CH High Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-50.59	-30.99	-18.78	-0.83	-13	-37.59
512.09	S	-60.97	-64.20	6.50	-3.27	-13	-47.97
586.78	S	-59.56	-62.90	6.85	-3.52	-13	-46.56
639.16	S	-59.43	-62.89	7.13	-3.67	-13	-46.43
776.90	S	-56.48	-60.19	7.74	-4.04	-13	-43.48
936.95	S	-54.37	-57.82	7.95	-4.49	-13	-41.37
5360.00	H	-46.46	-49.13	12.86	-10.18	-13	-33.46

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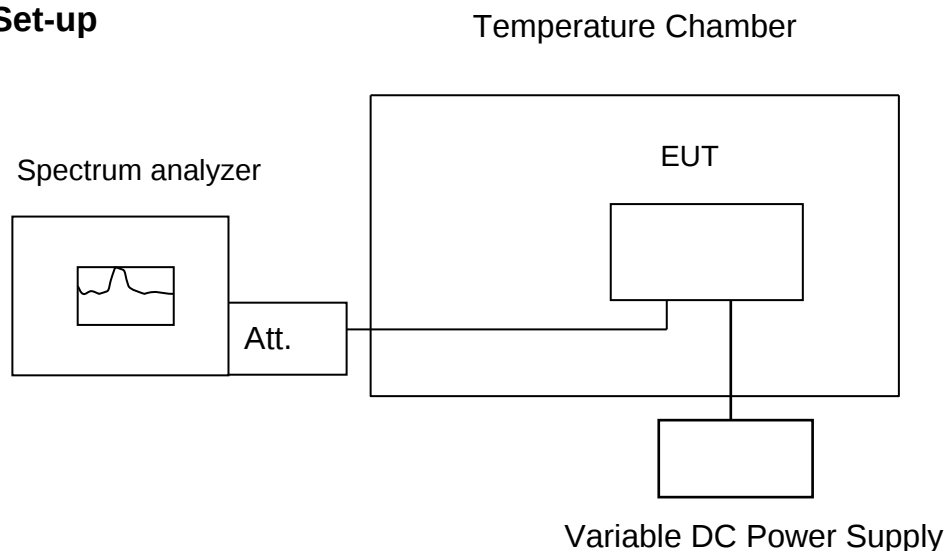
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11. FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicable

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

11.2. Test Set-up



Note: Measurement setup for testing on Antenna connector

11.3. Measurement Procedure

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

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

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

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11.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBDA	RFLT2W1G18G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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11.5. Measurement Result

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
4.42	20	836600009	17	2091
3.85	20	836599992	-3	2091
3.4	20	836599995	8	2091
3.3 (End point)	20	836599987	-5	2091
FREQUENCY ERROR vs. Temp.				
3.85	50	836600001	-8	2091
3.85	40	836600009	24	2091
3.85	30	836599985	-14	2091
3.85	20	836599999	-15	2091
3.85	10	836600014	25	2091
3.85	0	836599989	-2	2091
3.85	-10	836599991	-11	2091
3.85	-20	836600002	-6	2091
3.85	-30	836600008	5	2091

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
4.42	20	1879999998	6	4700
3.85	20	1879999992	-10	4700
3.4	20	1880000002	11	4700
3.3 (End point)	20	1879999991	-5	4700
FREQUENCY ERROR vs. Temp.				
3.85	50	1880000008	12	4700
3.85	40	1879999996	4	4700
3.85	30	1879999992	-16	4700
3.85	20	1880000008	13	4700
3.85	10	1879999995	4	4700
3.85	0	1879999991	-18	4700
3.85	-10	1880000009	10	4700
3.85	-20	1879999999	-6	4700
3.85	-30	1880000005	3	4700

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Reference Frequency: WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
4.42	20	1879999997	-12	4700
3.85	20	1880000009	25	4700
3.4	20	1879999984	-24	4700
3.3 (End point)	20	1880000008	2	4700
FREQUENCY ERROR vs. Temp.				
Reference Frequency: WCDMA II Mid Channel 1880				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
3.85	50	1879999991	-13	4700
3.85	40	1880000004	11	4700
3.85	30	1879999993	-6	4700
3.85	20	1879999999	-7	4700
3.85	10	1880000006	10	4700
3.85	0	1879999996	-6	4700
3.85	-10	1880000002	-6	4700
3.85	-20	1880000008	13	4700
3.85	-30	1879999995	7	4700

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Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
4.42	20	173260005	12	4331
3.85	20	173259993	-5	4331
3.4	20	173259998	-4	4331
3.3 (End point)	20	173260002	-5	4331
FREQUENCY ERROR vs. Temp.				
Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
3.85	50	173259991	-11	4331
3.85	40	173260002	-4	4331
3.85	30	173260006	20	4331
3.85	20	173259986	2	4331
3.85	10	173259984	-23	4331
3.85	0	173260007	-1	4331
3.85	-10	173260008	9	4331
3.85	-20	173259999	-10	4331
3.85	-30	173260009	7	4331

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Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
FREQUENCY ERROR vs. VOLTAGE				
4.42	20	836599986	-26	2091
3.85	20	836600012	8	2091
3.4	20	836600004	8	2091
3.3 (End point)	20	836599996	-1	2091
FREQUENCY ERROR vs. Temp.				
Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temp. ()	(MHz)		
3.85	50	836599994	-8	2091
3.85	40	836600002	11	2091
3.85	30	836599991	0	2091
3.85	20	836599991	-12	2091
3.85	10	836600003	7	2091
3.85	0	836599996	-16	2091
3.85	-10	836600012	3	2091
3.85	-20	836600009	4	2091
3.85	-30	836600005	4	2091

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Reference Freq.:	LTE B2 Mid Channel		1880	MHz 20M QPSK CH 18900
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	1880.000006	24	4700
3.85	25	1879.999982	0	4700
3.4	25	1880	18	4700
3.3 (End Point)	25	1880	18	4700
Freq. ERROR vs. Temp.				
3.85	-30	1880.000004	-15	4700
3.85	-20	1879.999982	-37	4700
3.85	-10	1880.000013	-6	4700
3.85	0	1879.999981	-38	4700
3.85	10	1879.999982	-37	4700
3.85	20	1880.000019	0	4700
3.85	30	1880.000001	-9	4700
3.85	40	1880.000013	-6	4700
3.85	50	1880.000006	-13	4700

Reference Freq.:	LTE B4 Mid Channel		1732.5	MHz 20M QPSK CH 20175
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	1732.5	30	4331
3.85	25	1732.5	0	4331
3.4	25	1732.5	22	4331
3.3 (End Point)	25	1732.5	22	4331
Freq. ERROR vs. Temp.				
3.85	-30	1732.5	-11	4331
3.85	-20	1732.5	-33	4331
3.85	-10	1732.5	-8	4331
3.85	0	1732.5	-37	4331
3.85	10	1732.5	-40	4331
3.85	20	1732.5	0	4331
3.85	30	1732.5	-5	4331
3.85	40	1732.5	-2	4331
3.85	50	1732.5	-17	4331

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Reference Freq.:	LTE B5 Mid Channel		836.5	MHz 10M QPSK CH 20525
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	836.499991	14	2091
3.85	25	836.499977	0	2091
3.4	25	836.499994	17	2091
3.3 (End Point)	25	836.5	23	2091
Freq. ERROR vs. Temp.				
3.85	-30	836.500021	3	2091
3.85	-20	836.499987	-31	2091
3.85	-10	836.499987	-31	2091
3.85	0	836.500016	-2	2091
3.85	10	836.499986	-32	2091
3.85	20	836.500018	0	2091
3.85	30	836.499991	-27	2091
3.85	40	836.500003	-15	2091
3.85	50	836.500023	5	2091

Reference Freq.:	LTE B7 Mid Channel		2535	MHz 10M QPSK CH 21100
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	2535	-7	6338
3.85	25	2535	0	6338
3.4	25	2535	-37	6338
3.3 (End Point)	25	2535	-13	6338
Freq. ERROR vs. Temp.				
3.85	-30	2535	-12	6338
3.85	-20	2535	-29	6338
3.85	-10	2535	-23	6338
3.85	0	2535	10	6338
3.85	10	2535	15	6338
3.85	20	2535	0	6338
3.85	30	2535	-27	6338
3.85	40	2535	-7	6338
3.85	50	2535	-31	6338

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Reference Freq.:	LTE B12 Mid Channel		707.5	MHz 10M QPSK CH 23095
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	707.499984	3	1769
3.85	25	707.499981	0	1769
3.4	25	707.499992	11	1769
3.3 (End Point)	25	707.5	19	1769
Freq. ERROR vs. Temp.				
3.85	-30	707.500008	32	1769
3.85	-20	707.499981	5	1769
3.85	-10	707.500022	46	1769
3.85	0	707.499996	20	1769
3.85	10	707.500021	45	1769
3.85	20	707.499976	0	1769
3.85	30	707.500012	36	1769
3.85	40	707.499978	2	1769
3.85	50	707.499984	8	1769

Reference Freq.:	LTE B17 Mid Channel		710	MHz 10M QPSK CH 23790
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	710.00001	-12	1775
3.85	25	710.00002	0	1775
3.4	25	710	-21	1775
3.3 (End Point)	25	710	-22	1775
Freq. ERROR vs. Temp.				
3.85	-30	710	-1	1775
3.85	-20	709.99998	-16	1775
3.85	-10	710.00001	14	1775
3.85	0	710.00001	16	1775
3.85	10	710	2	1775
3.85	20	710	0	1775
3.85	30	709.99999	-8	1775
3.85	40	710	2	1775
3.85	50	710	1	1775

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Reference Freq.:	LTE B25 Mid Channel		1882.5	MHz 20M QPSK CH 26365
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	1882.500007	-10	2091
3.85	25	1882.500017	0	2091
3.4	25	1882.500018	1	2091
3.3 (End Point)	25	1882.5	-17	2091
Freq. ERROR vs. Temp.				
3.85	-30	1882.499997	7	2091
3.85	-20	1882.499992	2	2091
3.85	-10	1882.500013	23	2091
3.85	0	1882.499994	4	2091
3.85	10	1882.500023	33	2091
3.85	20	1882.49999	0	2091
3.85	30	1882.500015	25	2091
3.85	40	1882.499995	5	2091
3.85	50	1882.5	10	2091

Reference Freq.:	LTE B26 Mid Channel		836.5	MHz 15M QPSK CH 26915
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	836.499987	-10	2091
3.85	25	836.499997	0	2091
3.4	25	836.500023	26	2091
3.3 (End Point)	25	836.5	3	2091
Freq. ERROR vs. Temp.				
3.85	-30	836.499995	-27	2091
3.85	-20	836.500002	-20	2091
3.85	-10	836.500009	-13	2091
3.85	0	836.499995	-27	2091
3.85	10	836.499984	-38	2091
3.85	20	836.500022	0	2091
3.85	30	836.500014	-8	2091
3.85	40	836.500012	-10	2091
3.85	50	836.499998	-24	2091

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Reference Freq.:		LTE Part90 B26 Mid Channel	819	MHz 10M QPSK CH 26740
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE (LTE B26 for Part 90S)				
4.42	25	818.99999	-14	2048
3.85	25	819.00001	0	2048
3.4	25	819	-11	2048
3.3 (End Point)	25	819	-6	2048
Freq. ERROR vs. Temp.				
3.85	-30	818.99999	-17	2048
3.85	-20	819.00001	5	2048
3.85	-10	819.00002	14	2048
3.85	0	819	-6	2048
3.85	10	818.99999	-22	2048
3.85	20	819.00001	0	2048
3.85	30	819	-12	2048
3.85	40	819	-11	2048
3.85	50	819.00002	9	2048

Reference Freq.:		LTE B30 Mid Channel	2310	MHz 10M QPSK CH 27710
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	2310	-8	6488
3.85	25	2310	0	6488
3.4	25	2310	15	6488
3.3 (End Point)	25	2310	9	6488
Freq. ERROR vs. Temp.				
3.85	-30	2310	18	6488
3.85	-20	2310	21	6488
3.85	-10	2310	8	6488
3.85	0	2310	10	6488
3.85	10	2310	28	6488
3.85	20	2310	0	6488
3.85	30	2310	6	6488
3.85	40	2310	36	6488
3.85	50	2310	23	6488

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Reference Freq.:	LTE B38 Mid Channel		2595	MHz 10M QPSK CH 38000
Power Supply Vdc	Temp. ()	Freq. (MHz)		
Freq. ERROR vs. VOLTAGE				
4.42	25	2595	-18	6488
3.85	25	2595	0	6488
3.4	25	2595	-14	6488
3.3	25	2595	-20	6488
(End Point)				
Freq. ERROR vs. Temp.				
3.85	-30	2595	-9	6488
3.85	-20	2595	-27	6488
3.85	-10	2595	2	6488
3.85	0	2595	-14	6488
3.85	10	2595	9	6488
3.85	20	2595	0	6488
3.85	30	2595	13	6488
3.85	40	2595	-12	6488
3.85	50	2595	10	6488

Reference Freq.:		LTE B41 Mid	2605	MHz 10M QPSK CH 40740
		Channel		
Power Supply Vdc	Temp. ()	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
4.42	25	2605.000017	3	6488
3.85	25	2605.000014	0	6488
3.4	25	2604.999991	-23	6488
3.3	25	2605	-14	6488
(End Point)				
Freq. ERROR vs. Temp.				
3.85	-30	2604.999976	-43	6488
3.85	-20	2605.000002	-17	6488
3.85	-10	2604.999997	-22	6488
3.85	0	2605.000004	-15	6488
3.85	10	2605.000012	-7	6488
3.85	20	2605.000019	0	6488
3.85	30	2604.999987	-32	6488
3.85	40	2605.000001	-18	6488
3.85	50	2605.000002	1	6488

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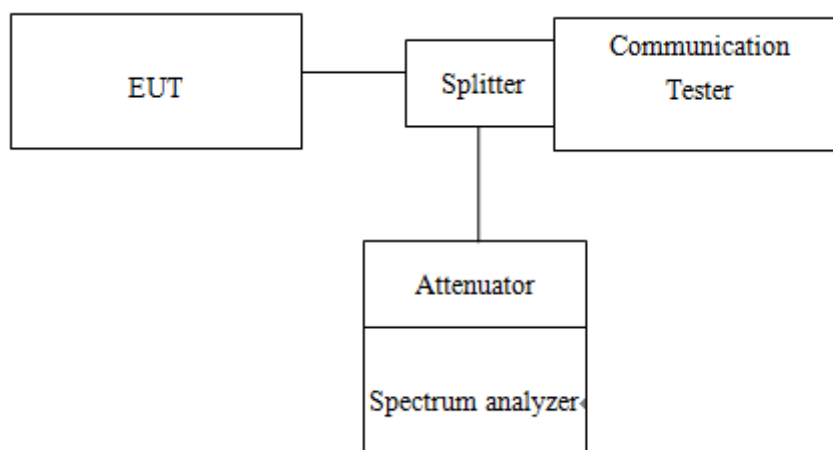
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12. PEAK TO AVERAGE RATIO

12.1. Standard Applicable

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

12.2. Test SET-UP



12.3. Measurement Procedure

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

12.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBDA	RFLT2W1G18G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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12.5. Measurement Result

Tabular Results:

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		GSM 850	GPRS 850	EDGE 850
824.2	128	9.73	9.35	7.55
836.6	190	9.65	7.86	8.48
848.8	251	9.29	10.79	9.3

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	9262	3.49	3.68	3.72
1880	9400	3.77	3.71	3.65
1907.6	9538	2.97	3.80	3.89

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		GSM 1900	GPRS 1900	EDGE 1900
1850.2	512	9.03	8.94	9.78
1880	661	9.8	7.78	10.08
1909.8	810	9.67	9.43	11.01

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	3.55	3.79	3.65
1732.6	1413	4.14	3.90	3.78
1752.6	1513	3.95	3.94	3.93

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA V	HSDPA V	HSUPA V
826.4	4132	3.14	5.26	5.33
836.6	4183	3.12	4.55	4.05
846.6	4233	3.11	4.46	5.20

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LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		64QAM	Limit			64QAM	Limit
1850.7	18607	6.22	13	1851.5	18615	6.05	13
1880.0	18900	6.11	13	1880.0	18900	6.04	13
1909.3	19193	5.96	13	1908.5	19185	5.92	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		64QAM	Limit			64QAM	Limit
1852.5	18625	6.05	13	1855.0	18650	5.94	13
1880.0	18900	6.06	13	1880.0	18900	6.05	13
1907.5	19175	5.97	13	1905.0	19150	5.99	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		64QAM	Limit			64QAM	Limit
1857.5	18675	6.60	13	1860.0	18700	7.06	13
1880.0	18900	6.60	13	1880.0	18900	6.86	13
1902.5	19125	6.62	13	1900.0	19100	6.96	13

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		64QAM	Limit			64QAM	Limit
1710.7	19957	6.12	13	1711.5	19965	6.04	13
1732.5	20175	6.02	13	1732.5	20175	6.04	13
1754.3	20393	5.97	13	1753.5	20385	5.91	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		64QAM	Limit			64QAM	Limit
1712.5	19957	5.96	13	1715.0	20000	5.93	13
1732.5	20175	6.00	13	1732.5	20175	6.07	13
1752.5	20375	5.86	13	1750.0	20350	5.96	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		64QAM	Limit			64QAM	Limit
1717.5	20025	6.06	13	1720.0	20050	6.64	13
1732.5	20175	6.20	13	1732.5	20175	6.76	13
1747.5	20325	6.11	13	1745.0	20300	6.64	13

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LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
824.7	20407	6.14	13	825.5	20415	6.01	13
836.5	20525	6.18	13	836.5	20525	6.08	13
848.3	20643	6.09	13	847.5	20635	6.01	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
826.5	20425	6.05	13	829.0	20450	6.04	13
836.5	20525	6.05	13	836.5	20525	6.04	13
846.5	20625	5.97	13	844.0	20600	6.03	13

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2502.5	20775	6.02	13	2505.0	20800	6.09	13
2535.0	21100	4.98	13	2535.0	21100	5.71	13
2567.5	21375	5.98	13	2565.0	21350	6.06	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2507.5	20825	6.11	13	2510	20850	6.62	13
2535	21100	6.09	13	2535	21100	6.67	13
2562.5	21375	6.15	13	2560	21350	6.71	13

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LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
699.7	23017	5.77	13	700.5	23025	5.92	13
707.5	23095	6.20	13	707.5	23095	6.05	13
715.3	23173	6.11	13	714.5	23165	6.07	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
701.5	23035	6.07	13	704.0	23060	6.03	13
707.5	23095	6.00	13	707.5	23095	5.97	13
713.5	23155	5.93	13	711.0	23130	6.11	13

LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
706.5	23755	5.78	13	709	23780	5.50	13
710	23790	5.13	13	710	23790	5.47	13
713.5	23825	5.21	13	711	23780	5.52	13

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LTE BAND 25							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	LIMIT			64QAM	LIMIT
1850.7	26047	6.02	13	1851.5	26055	6.05	13
1882.5	26365	6.09	13	1882.5	26365	6.02	13
1914.3	26683	6.03	13	1913.5	26675	6.06	13

LTE BAND 25							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	LIMIT			64QAM	LIMIT
1852.5	26065	6.00	13	1855.0	26090	6.08	13
1882.5	26365	6.01	13	1882.5	26365	5.98	13
1912.5	26665	6.02	13	1910.0	26640	6.02	13

LTE BAND 25							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	LIMIT			64QAM	LIMIT
1857.5	26115	6.13	13	1860.0	26140	6.82	13
1882.5	26365	6.12	13	1882.5	26365	6.53	13
1907.5	16615	6.08	13	1905.0	26590	6.41	13

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LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	LIMIT			64QAM	LIMIT
814.7	26697	5.89	13	815.5	26705	6.08	13
831.5	26865	6.10	13	831.5	26865	6.09	13
848.3	27033	5.68	13	847.5	27025	5.81	13

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	LIMIT			64QAM	LIMIT
816.5	26715	6.00	13	820.0	26750	5.90	13
831.5	26865	6.06	13	831.5	26865	6.03	13
846.5	27015	5.76	13	844.0	26990	5.77	13

LTE BAND 26			
Channel bandwidth: 15MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	LIMIT
822.5	26825	6.32	13
831.5	26865	6.50	13
841.5	26965	6.32	13

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LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
814.7	26697	6.64	13	815.5	26705	6.48	13
819	26740	6.49	13	819	26740	6.41	13
823.3	26783	6.50	13	822.5	26775	6.37	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
816.5	26715	6.54	13	819.0	26740	6.43	13
819	26740	6.50	13				
821.5	26765	6.52	13				

LTE BAND 30							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2307.5	27685	6.43	13	2310.0	27710	6.50	13
2310.0	27710	6.47	13				
2312.5	27735	6.46	13				

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LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2572.5	37775	10.52	13	2575	37800	9.79	13
2595	38000	10.61	13	2595	38000	9.09	13
2617.5	38225	7.98	13	2615	38200	8.04	13

LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2498.5	39675	10.33	13	2501.0	39700	10.56	13
2593.0	40620	9.53	13	2593.0	40620	10.15	13
2687.5	41565	9.12	13	2685.0	41540	9.96	13

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2498.5	39675	10.33	13	2501.0	39700	10.56	13
2593.0	40620	9.53	13	2593.0	40620	10.15	13
2687.5	41565	9.12	13	2685.0	41540	9.96	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		64QAM	Limit			64QAM	Limit
2503.5	39725	9.90	13	2506.0	39750	8.99	13
2593.0	40620	10.31	13	2593.0	40620	8.76	13
2682.5	41515	9.78	13	2680.0	41490	9.91	13

Measurement Results:

Please refer to next page.

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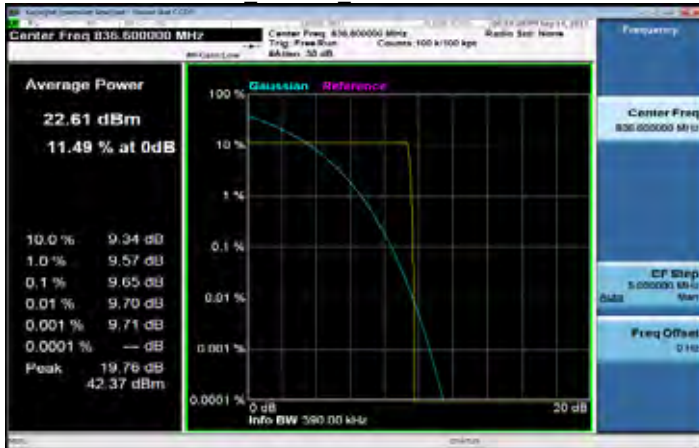
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GPRS 850MHz LowCH128-824.2



GSM 850MHz MidCH190-836.6



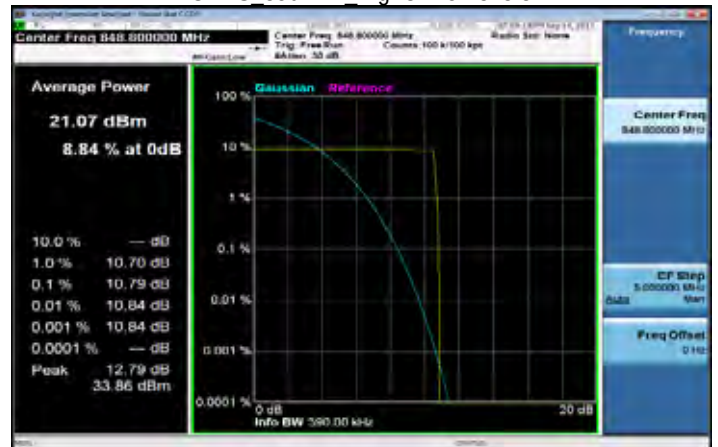
GPRS 850MHz MidCH190-836.6



GSM 850MHz HighCH251-848.8



GPRS 850MHz HighCH251-848.8



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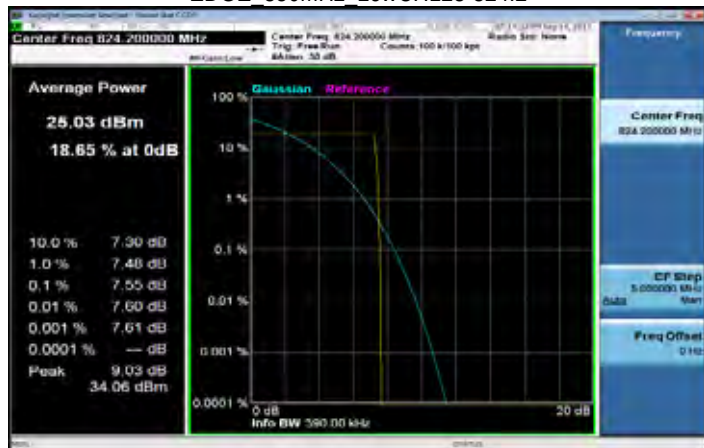
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EDGE 850MHz LowCH128-824.2



GSM 1900MHz LowCH512-1850.2



EDGE 850MHz MidCH190-836.6



GSM 1900MHz MidCH661-1880



EDGE 850MHz HighCH251-848.8



GSM 1900MHz HighCH810-1909.8



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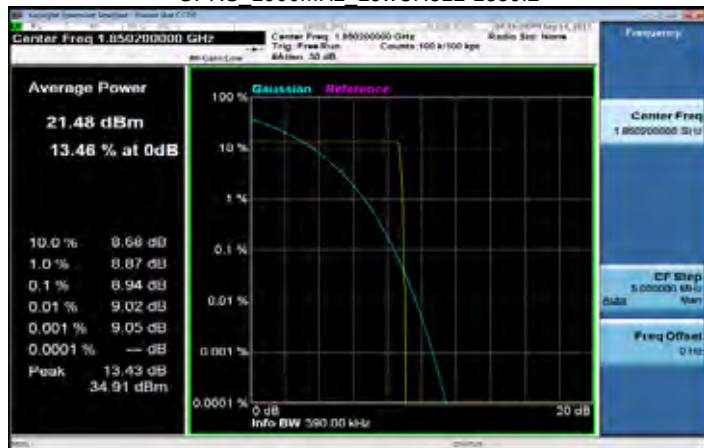
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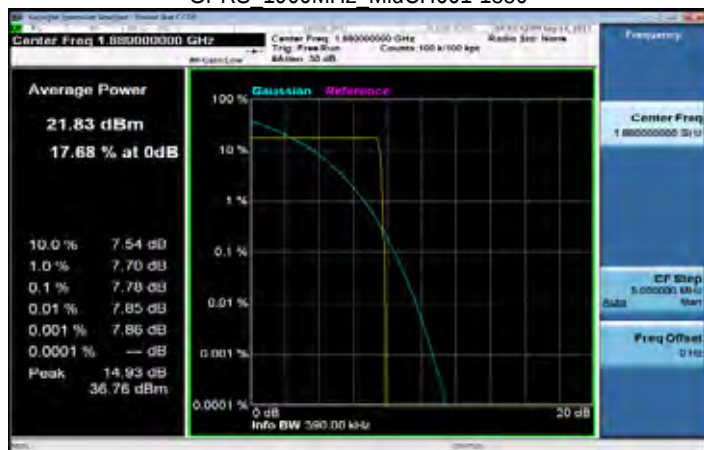
GPRS 1900MHz LowCH512-1850.2



EDGE 1900MHz LowCH512-1850.2



GPRS 1900MHz MidCH661-1880



EDGE 1900MHz MidCH661-1880



GPRS 1900MHz HighCH810-1909.8



EDGE 1900MHz HighCH810-1909.8



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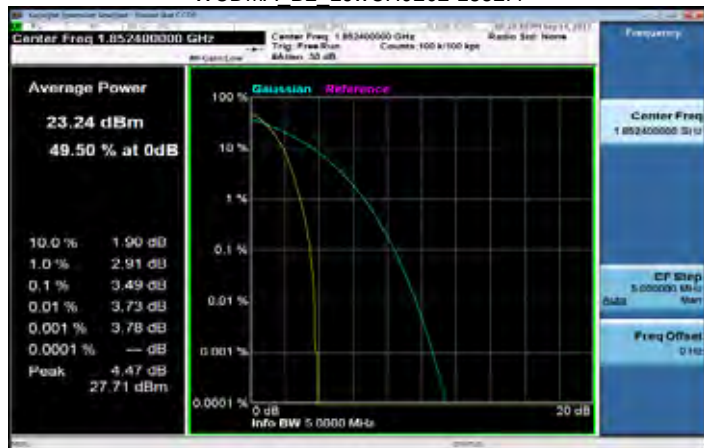
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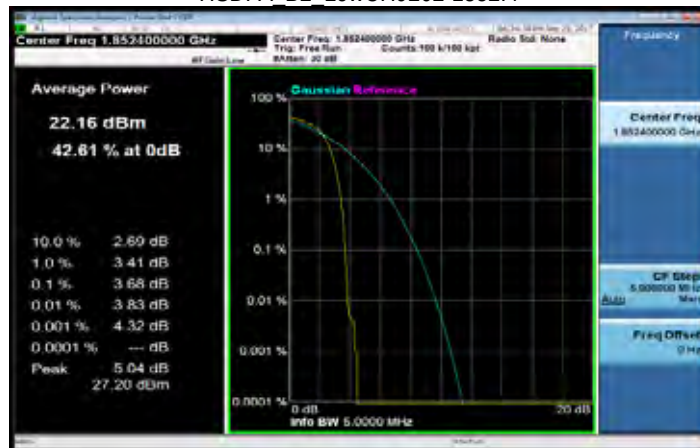
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WCDMA B2 LowCH9262-1852.4



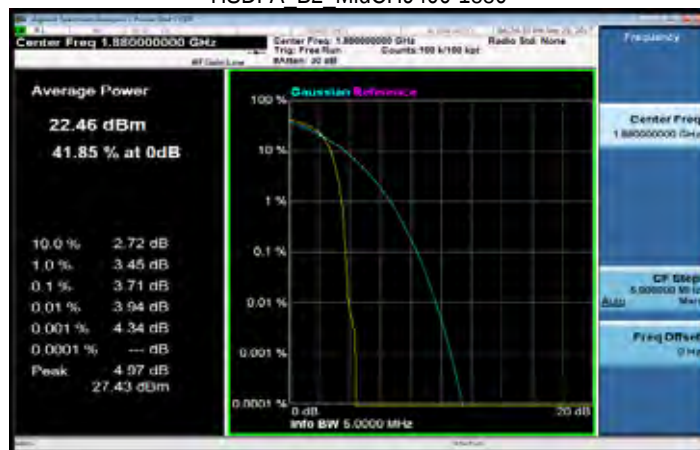
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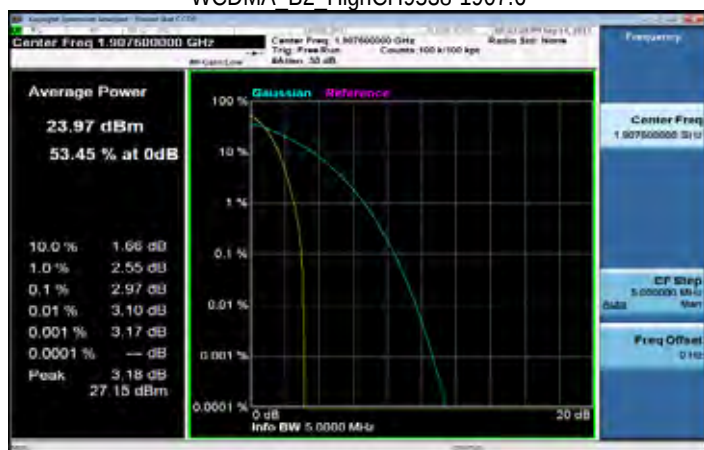
WCDMA B2 MidCH9400-1880



HSDPA B2 MidCH9400-1880



WCDMA B2 HighCH9538-1907.6



HSDPA B2 HighCH9538-1907.6



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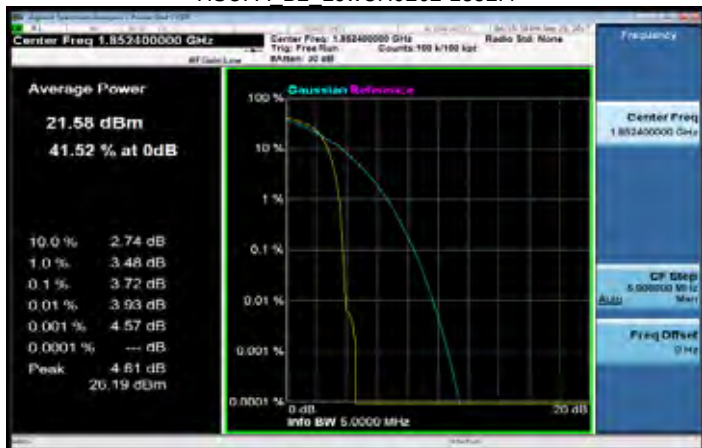
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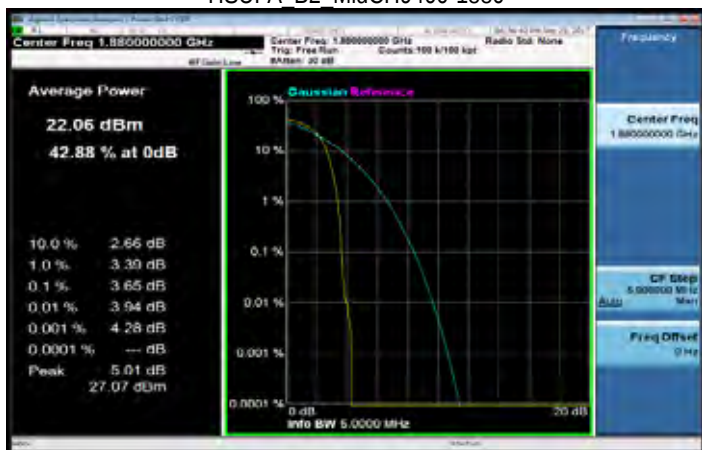
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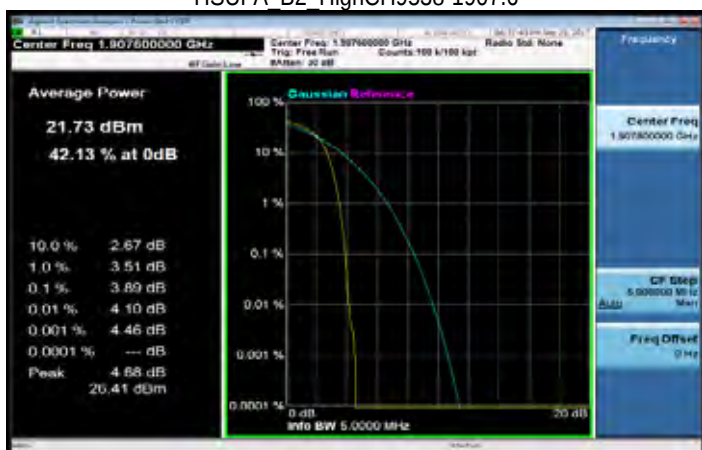
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WCDMA B4 MidCH1413-1732.6



HSUPA B2 HighCH9538-1907.6



WCDMA B4 HighCH1513-1752.6



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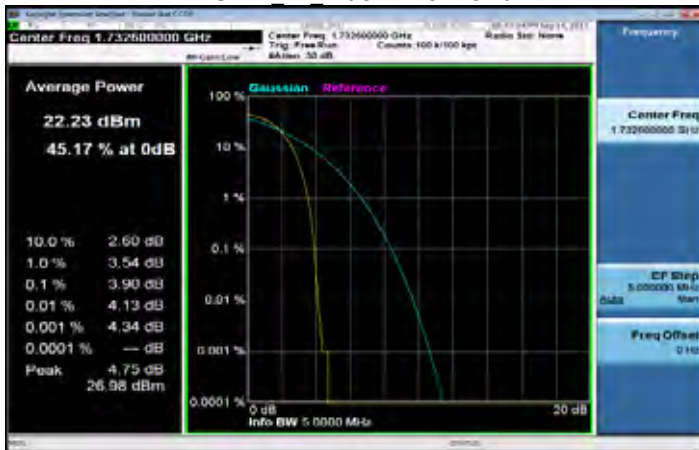
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HSUPA B4 LowCH1312-1712.4



HSDPA B4 MidCH1413-1732.6



HSUPA B4 MidCH1413-1732.6



HSDPA B4 HighCH1513-1752.6



HSUPA B4 HighCH1513-1752.6



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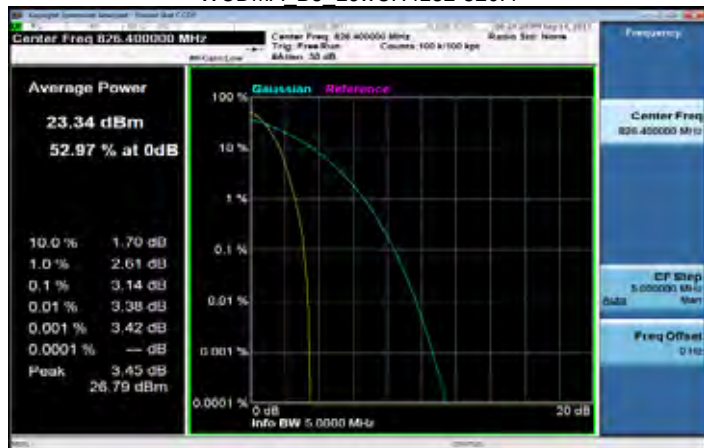
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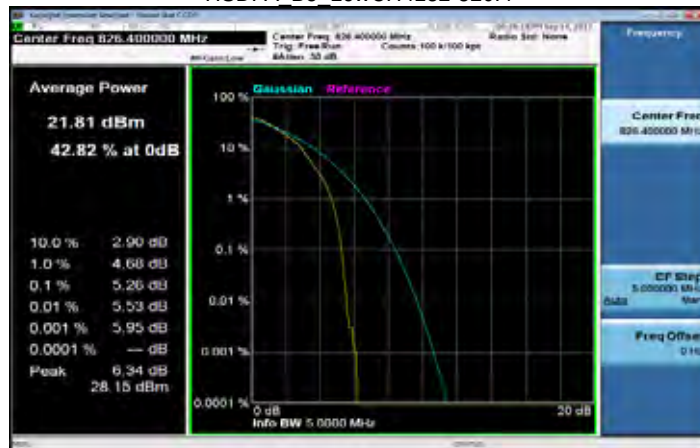
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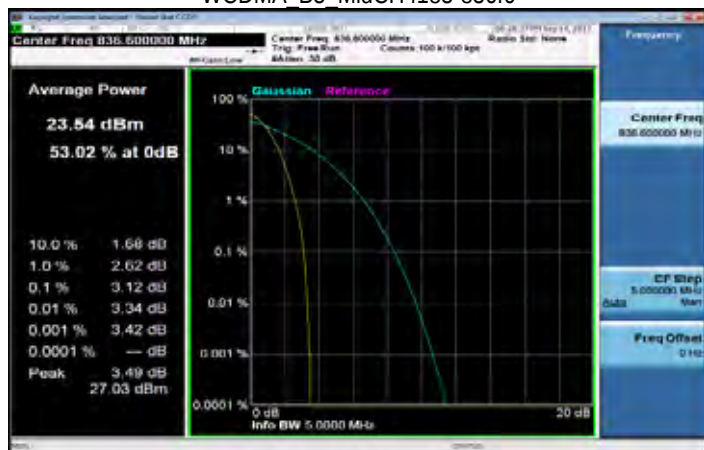
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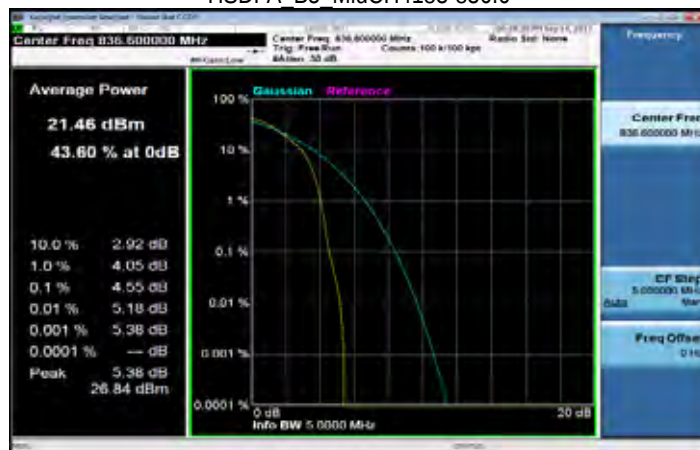
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WCDMA B5 MidCH4183-836.6



HSDPA B5 MidCH4183-836.6



WCDMA B5 HighCH4233-846.6



HSDPA B5 HighCH4233-846.6



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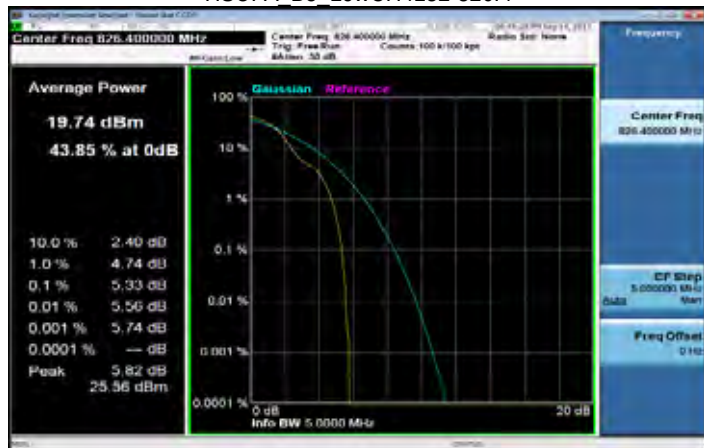
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HSUPA B5 LowCH4132-826.4



LTE Band4 1 4MHz 64QAM 6 0 LowCH19957-1710.7



HSUPA B5 MidCH4183-836.6



LTE Band4 1 4MHz 64QAM 6 0 MidCH20175-1732.5



HSUPA B5 HighCH4233-846.6



LTE Band4 1 4MHz 64QAM 6 0 HighCH20393-1754.3



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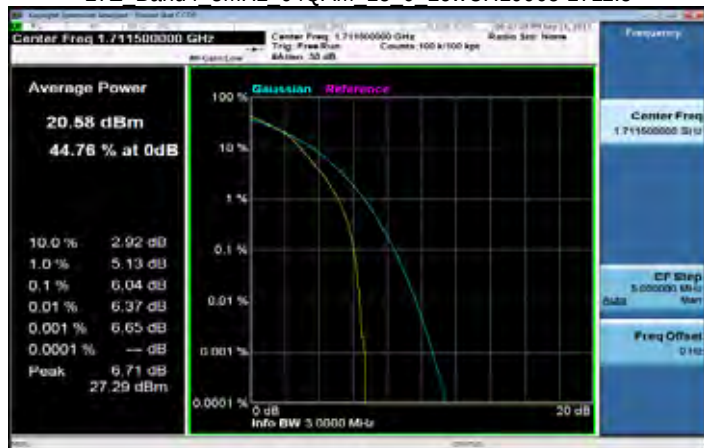
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LTE Band4 3MHz 64QAM 15 0 LowCH19965-1711.5



LTE Band4 5MHz 64QAM 25 0 LowCH19975-1712.5



LTE Band4 3MHz 64QAM 15 0 MidCH20175-1732.5



LTE Band4 5MHz 64QAM 25 0 MidCH20175-1732.5



LTE Band4 3MHz 64QAM 15 0 HighCH20385-1753.5



LTE Band4 5MHz 64QAM 25 0 HighCH20375-1752.5



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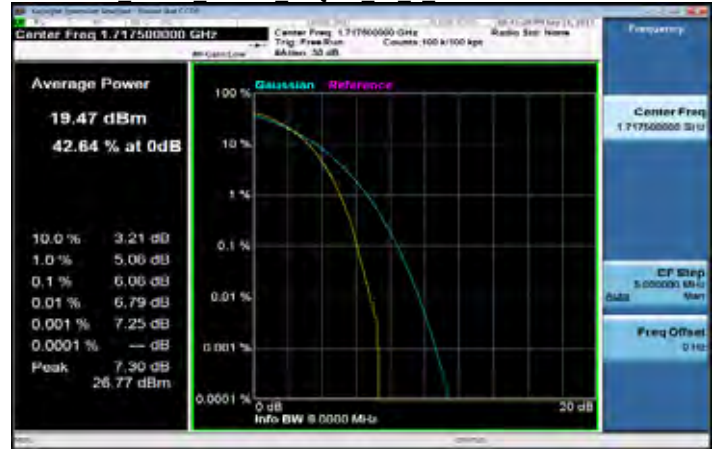
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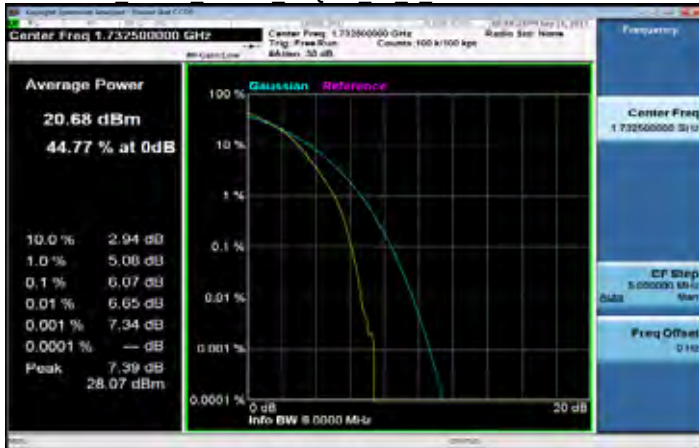
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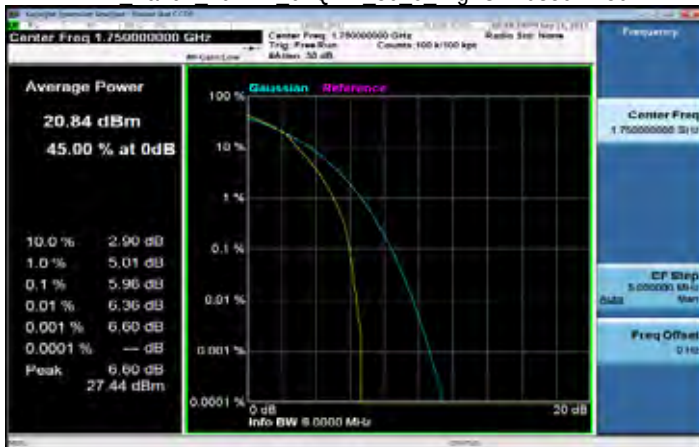
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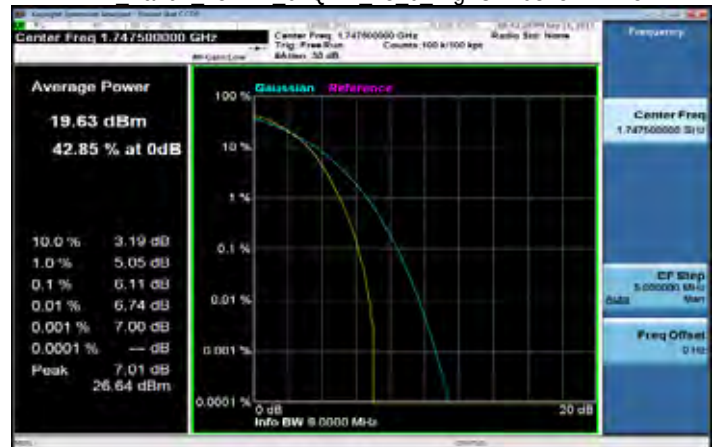
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LTE Band4 10MHz 64QAM 50 0 HighCH20350-1750



LTE Band4 15MHz 64QAM 75 0 HighCH20325-1747.5



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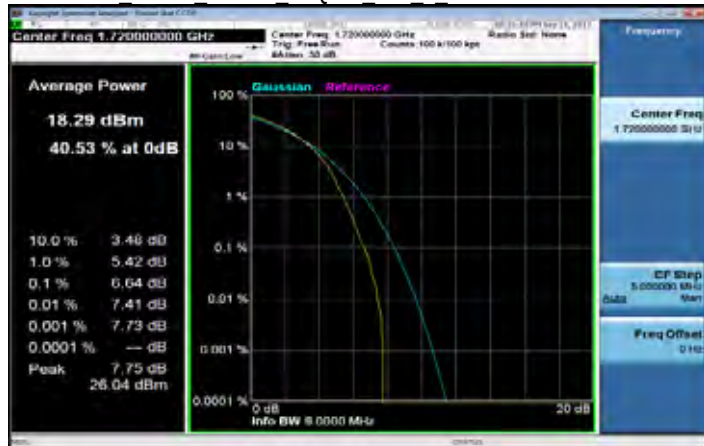
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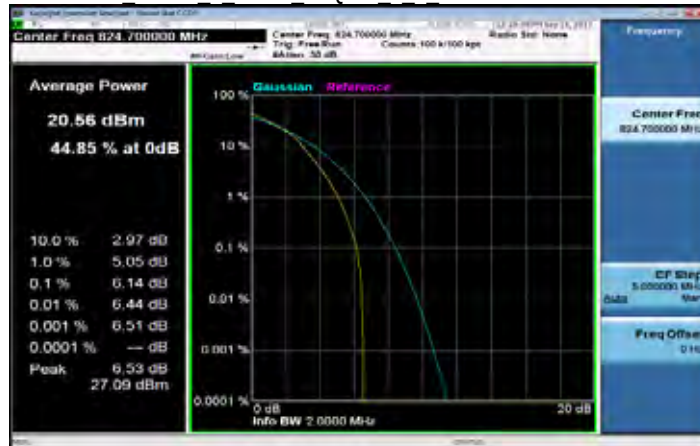
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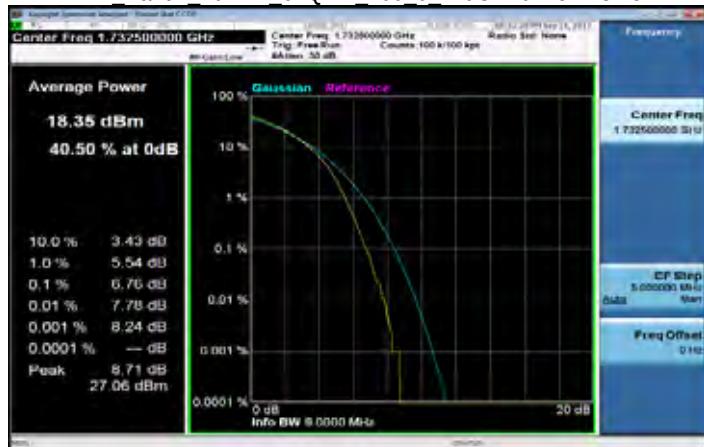
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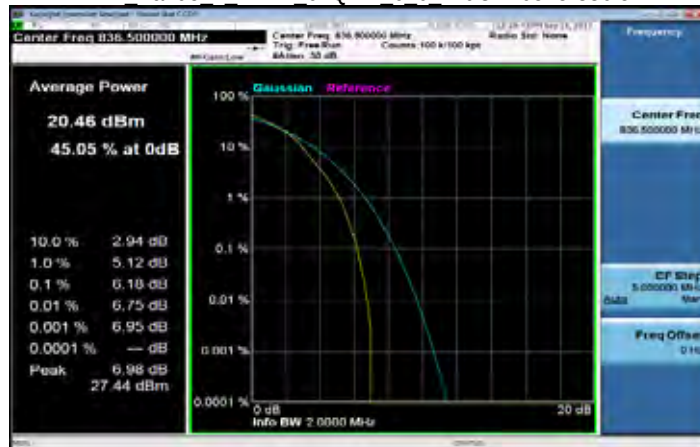
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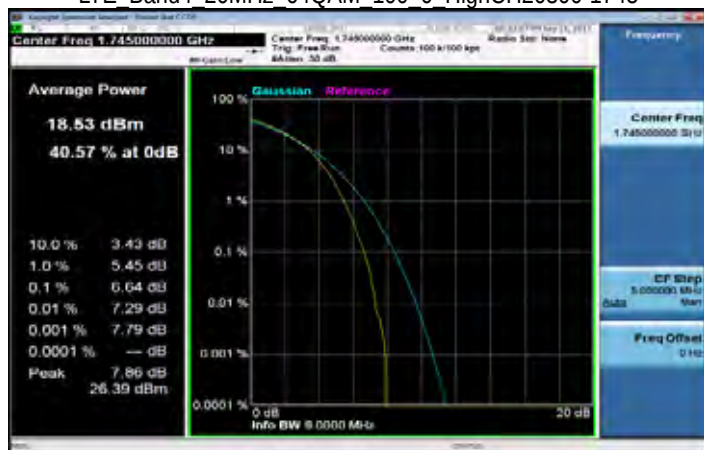
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LTE Band5 1 4MHz 64QAM 6 0 MidCH20525-836.5



LTE Band4 20MHz 64QAM 100 0 HighCH20300-1745



LTE Band5 1 4MHz 64QAM 6 0 HighCH20643-848.3



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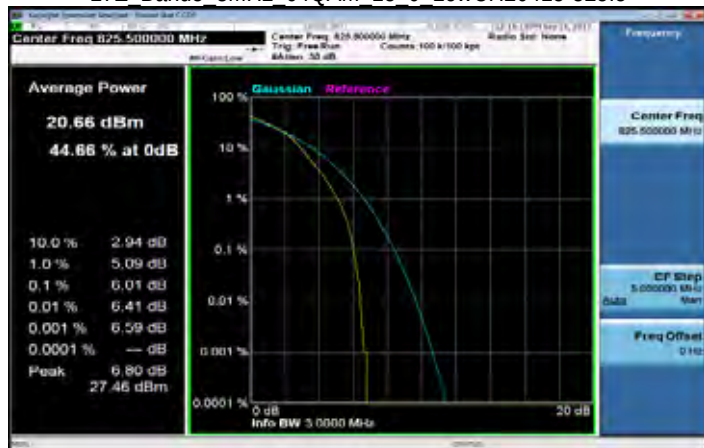
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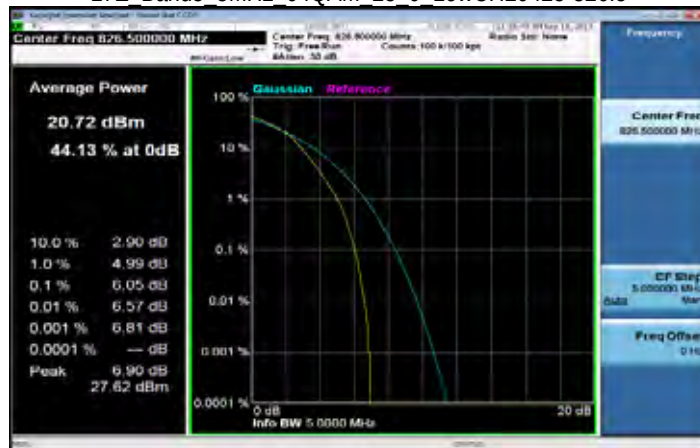
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LTE Band5 3MHz 64QAM 15 0 LowCH20415-825.5



LTE Band5 5MHz 64QAM 25 0 LowCH20425-826.5



LTE Band5 3MHz 64QAM 15 0 MidCH20525-836.5



LTE Band5 5MHz 64QAM 25 0 MidCH20525-836.5



LTE Band5 3MHz 64QAM 15 0 HighCH20635-847.5



LTE Band5 5MHz 64QAM 25 0 HighCH20625-846.5



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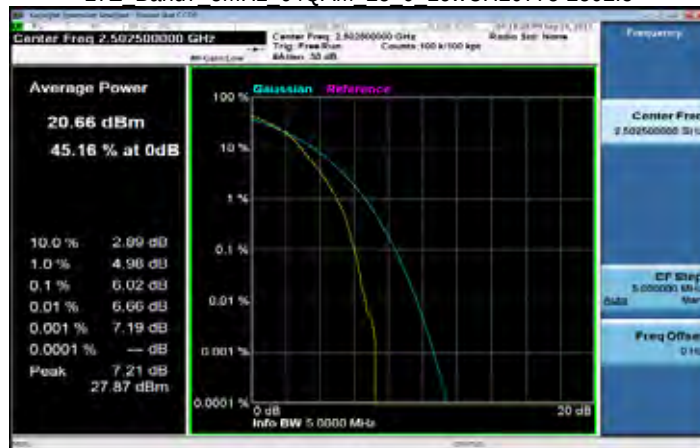
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LTE Band5 10MHz 64QAM 50 0 LowCH20450-829



LTE Band7 5MHz 64QAM 25 0 LowCH20775-2502.5



LTE Band5 10MHz 64QAM 50 0 MidCH20525-836.5



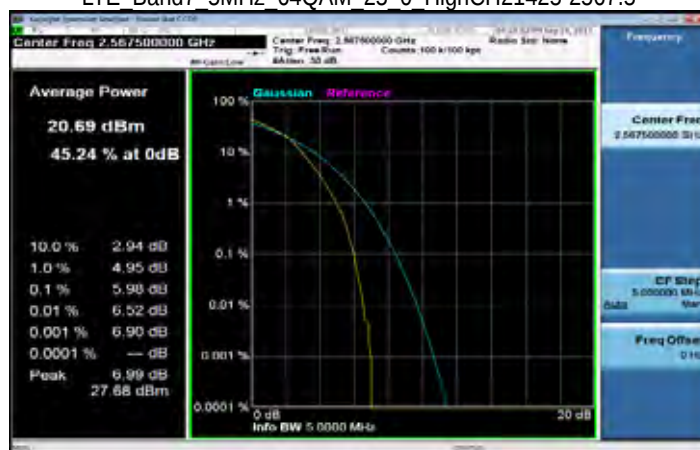
LTE Band7 5MHz 64QAM 25 0 MidCH21100-2535



LTE Band5 10MHz 64QAM 50 0 HighCH20600-844



LTE Band7 5MHz 64QAM 25 0 HighCH21425-2567.5



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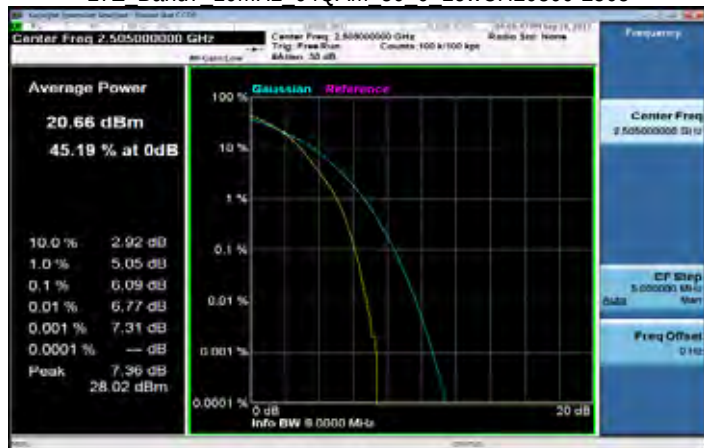
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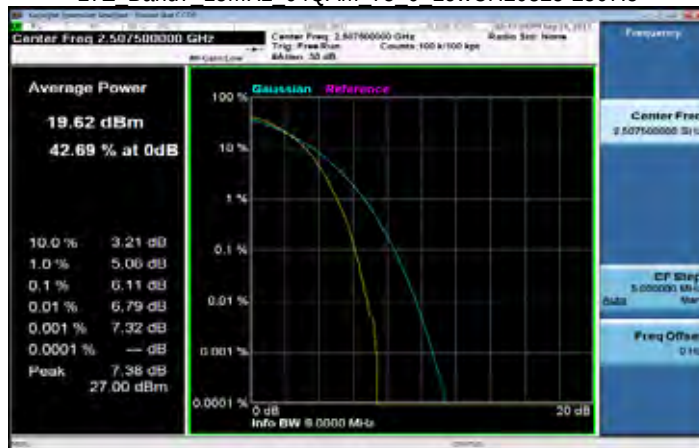
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LTE Band7 10MHz 64QAM 50 0 LowCH20800-2505



LTE Band7 15MHz 64QAM 75 0 LowCH20825-2507.5



LTE Band7 10MHz 64QAM 50 0 MidCH21100-2535



LTE Band7 15MHz 64QAM 75 0 MidCH21100-2535



LTE Band7 10MHz 64QAM 50 0 HighCH21400-2565



LTE Band7 15MHz 64QAM 75 0 HighCH21375-2562.5



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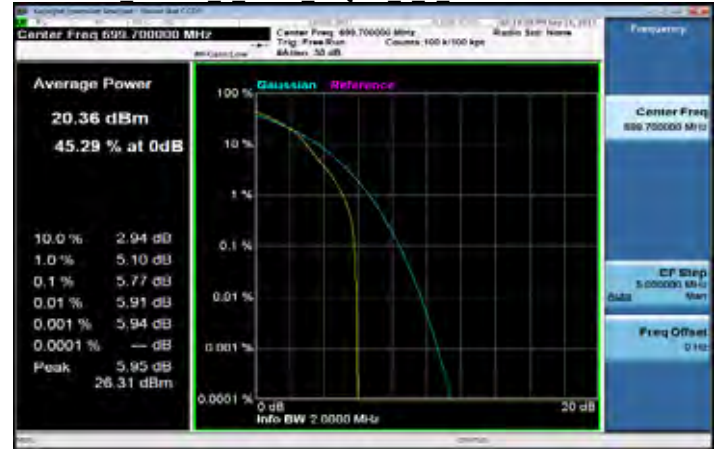
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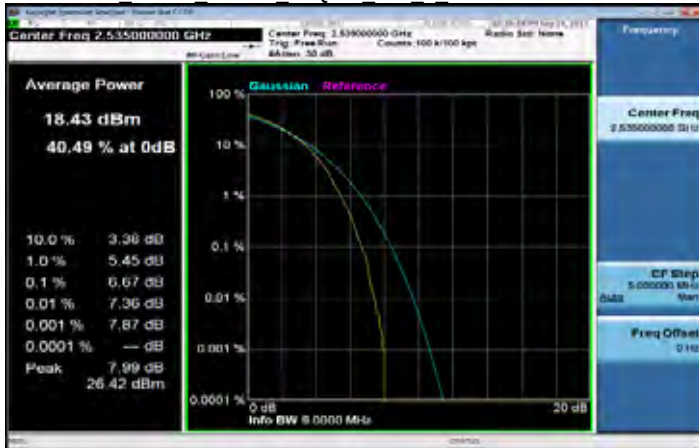
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LTE Band12 1 4MHz 64QAM 6 0 LowCH23017-699.7



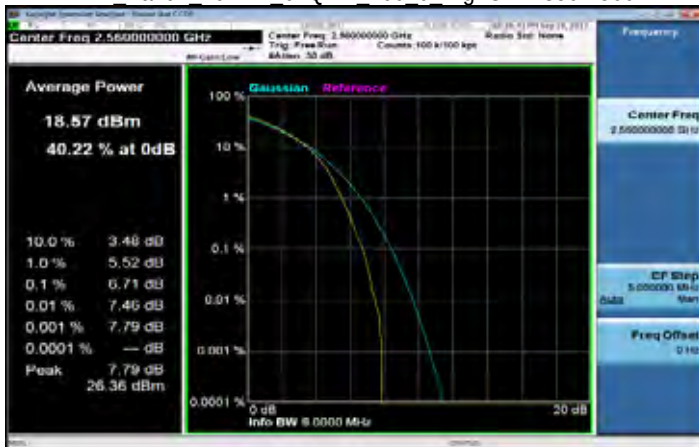
LTE Band7 20MHz 64QAM 100 0 MidCH21100-2535



LTE Band12 1 4MHz 64QAM 6 0 MidCH23095-707.5



LTE Band7 20MHz 64QAM 100 0 HighCH21350-2560



LTE Band12 1 4MHz 64QAM 6 0 HighCH23173-715.3



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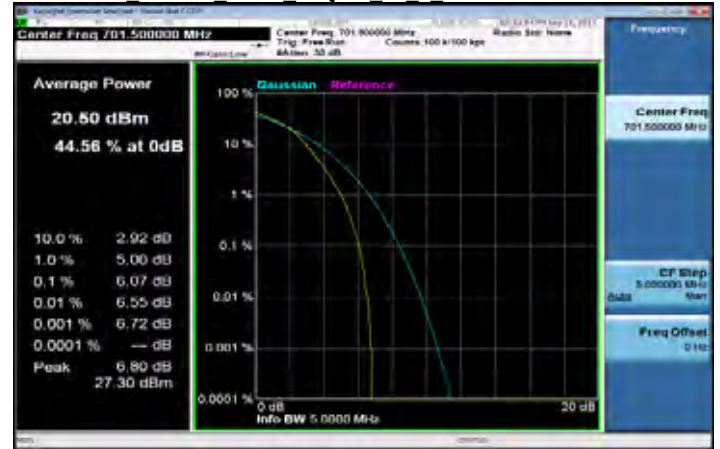
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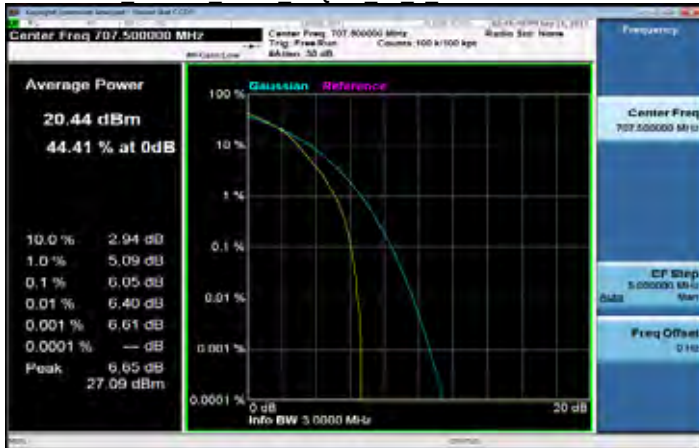
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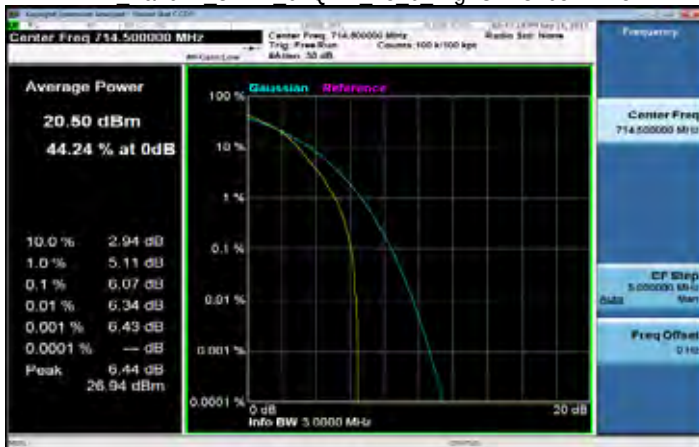
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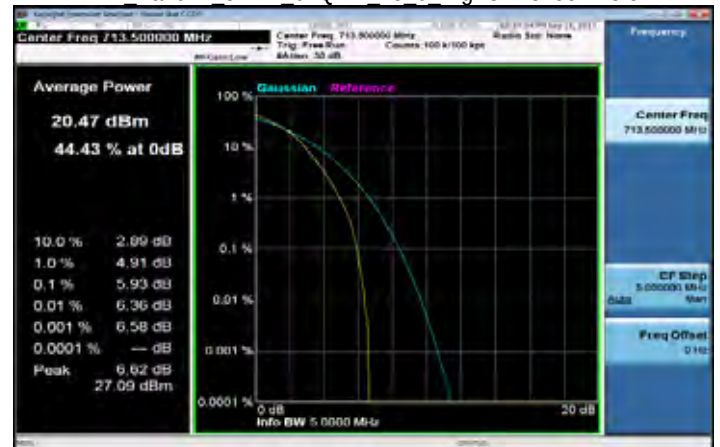
LTE Band12 5MHz 64QAM 25 0 MidCH23095-707.5



LTE Band12 3MHz 64QAM 15 0 HighCH23165-714.5



LTE Band12 5MHz 64QAM 25 0 HighCH23155-713.5



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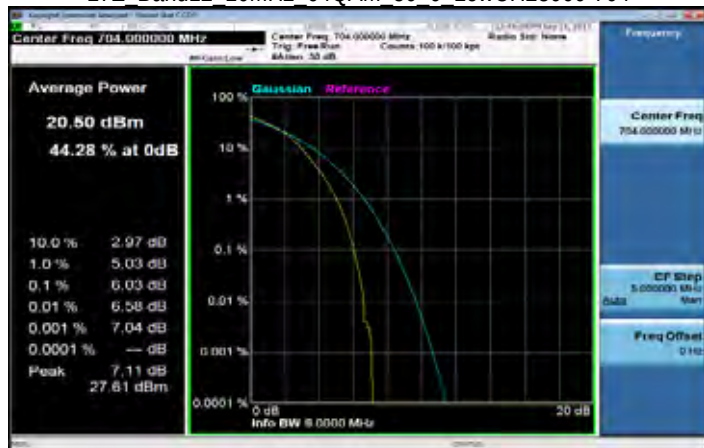
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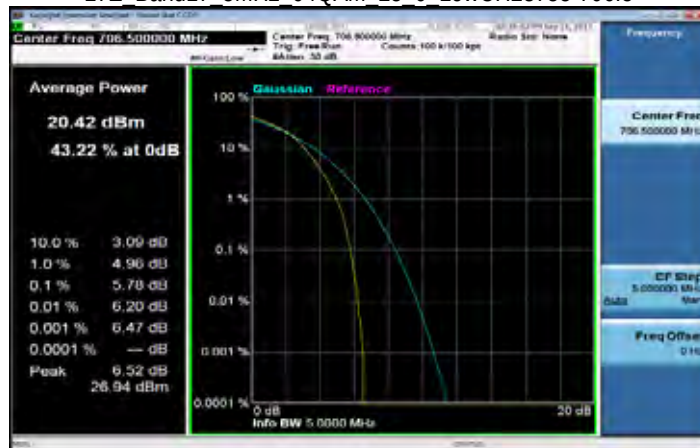
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LTE Band12 10MHz 64QAM 50 0 LowCH23060-704



LTE Band17 5MHz 64QAM 25 0 LowCH23755-706.5



LTE Band12 10MHz 64QAM 50 0 MidCH23095-707.5



LTE Band17 5MHz 64QAM 25 0 MidCH23790-710



LTE Band12 10MHz 64QAM 50 0 HighCH23130-711



LTE Band17 5MHz 64QAM 25 0 HighCH23825-713.5



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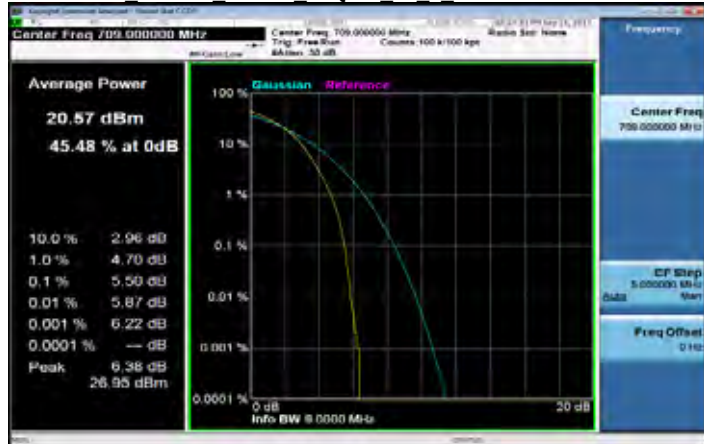
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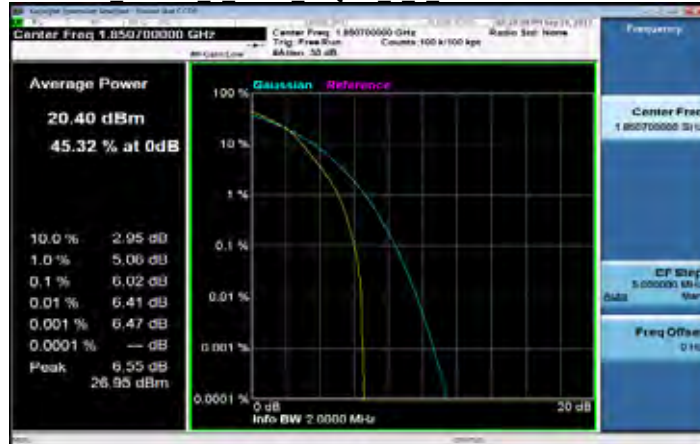
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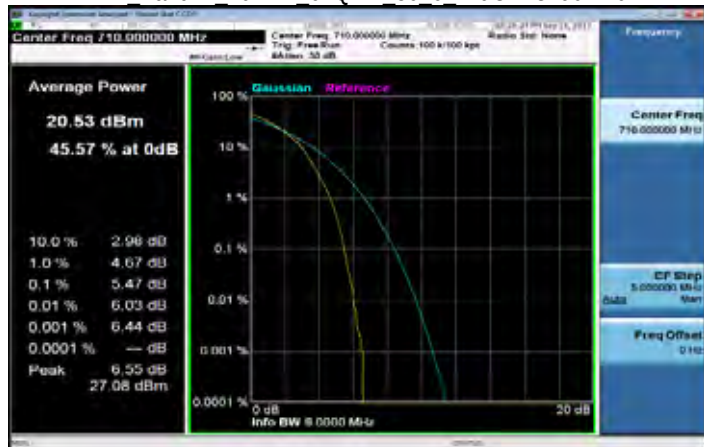
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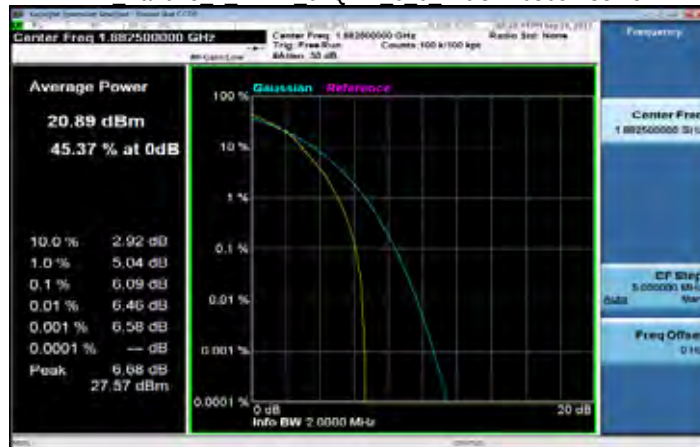
LTE Band25 1 4MHz 64QAM 6 0 LowCH26047-1850.7



LTE Band17 10MHz 64QAM 50 0 MidCH23790-710



LTE Band25 1 4MHz 64QAM 6 0 MidCH26365-1882.5



LTE Band17 10MHz 64QAM 50 0 HighCH23800-711



LTE Band25 1 4MHz 64QAM 6 0 HighCH26683-1914.3



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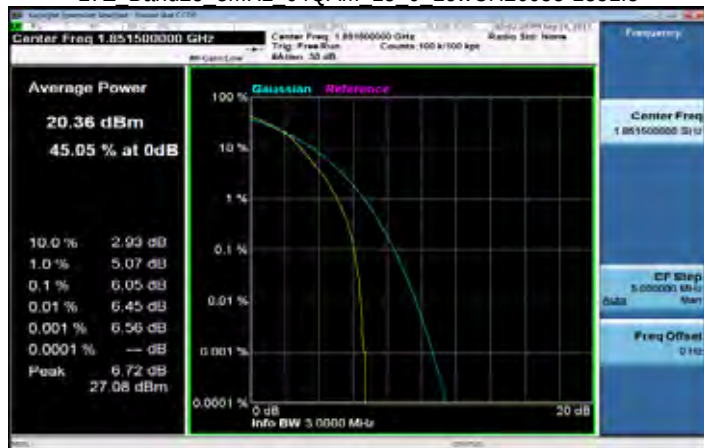
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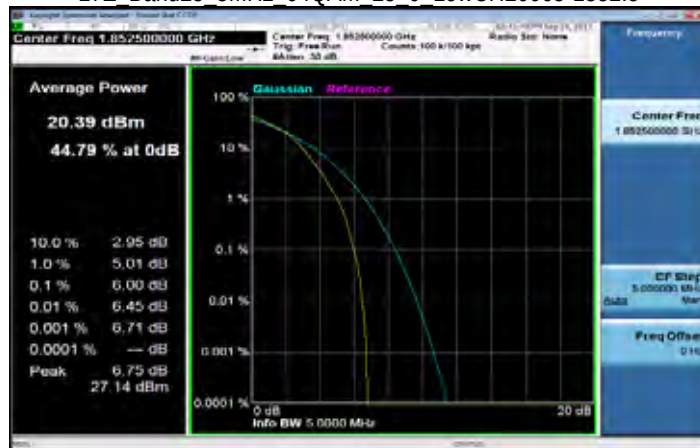
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LTE Band25 5MHz 64QAM 25 0 LowCH26065-1852.5



LTE Band25 3MHz 64QAM 15 0 MidCH26365-1882.5



LTE Band25 5MHz 64QAM 25 0 MidCH26365-1882.5



LTE Band25 3MHz 64QAM 15 0 HighCH26675-1913.5



LTE Band25 5MHz 64QAM 25 0 HighCH26665-1912.5



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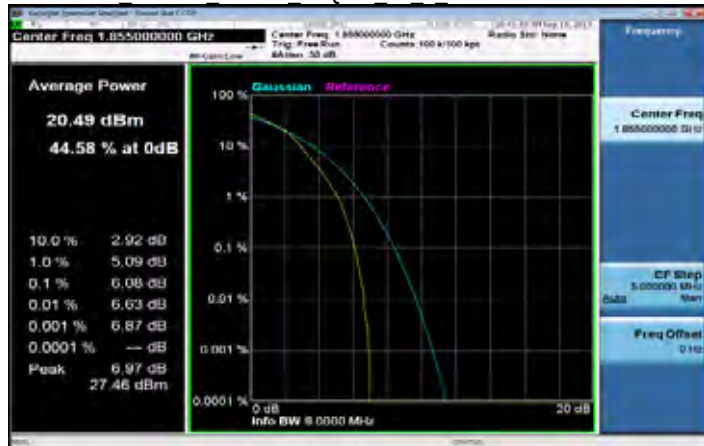
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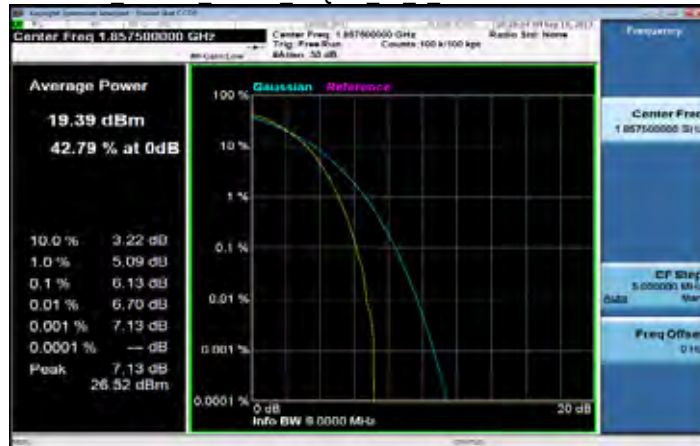
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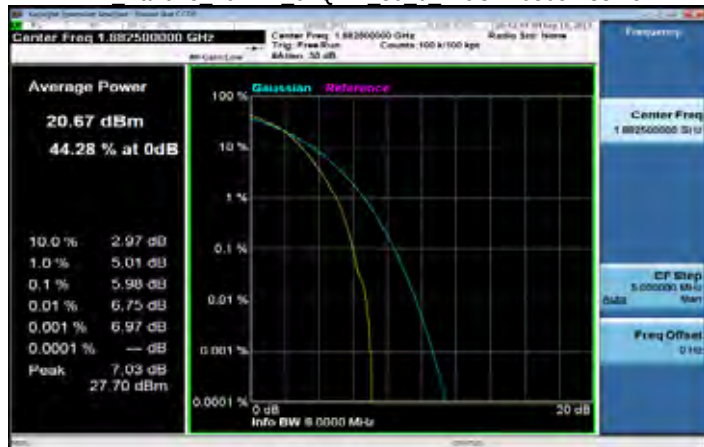
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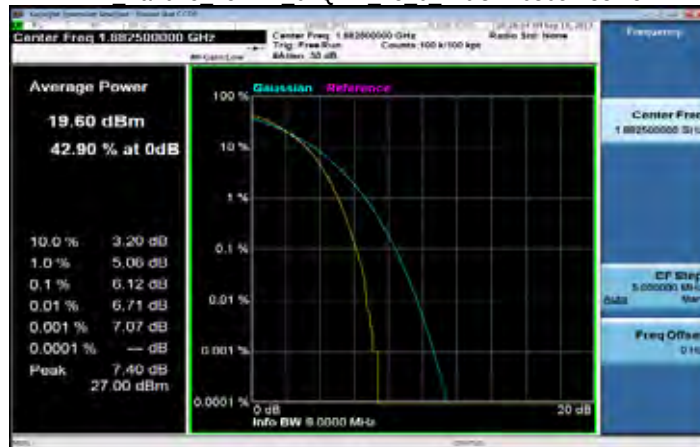
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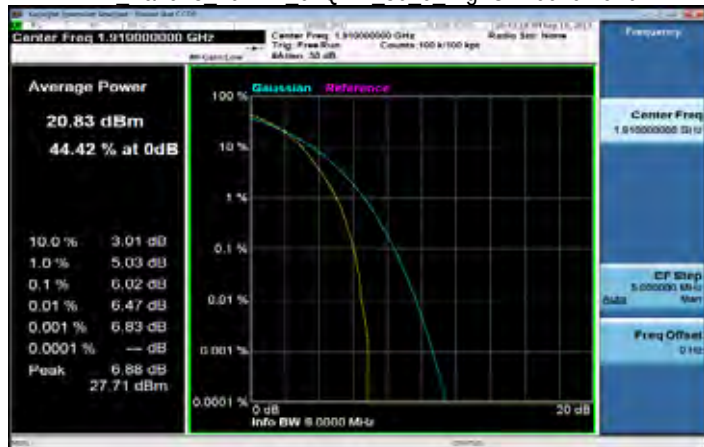
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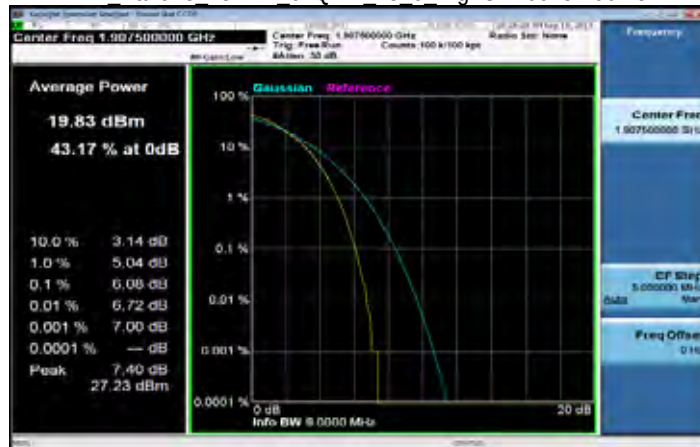
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LTE Band25 10MHz 64QAM 50 0 HighCH26640-1910



LTE Band25 15MHz 64QAM 75 0 HighCH26615-1907.5



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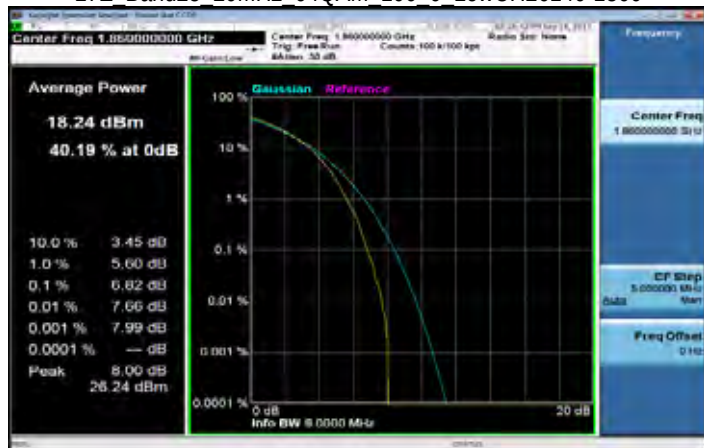
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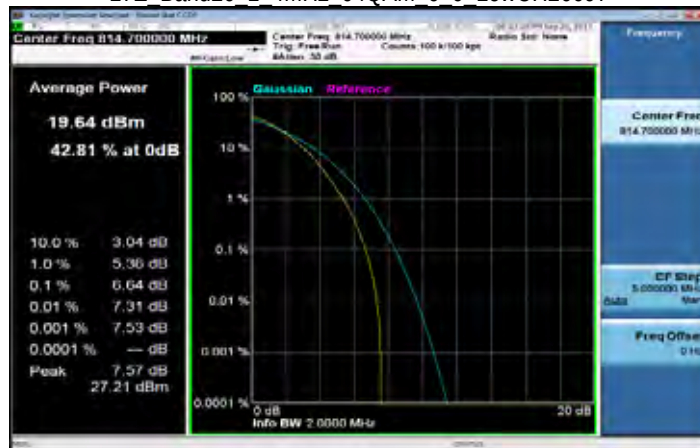
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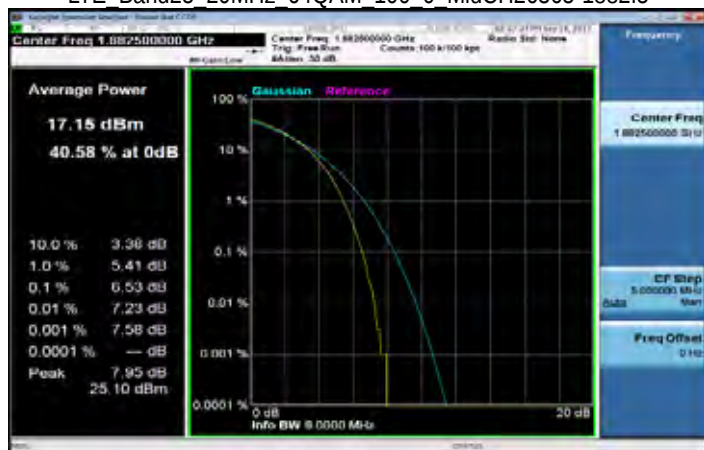
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LTE Band26 1 4MHz 64QAM 6 0 LowCH26697



LTE Band25 20MHz 64QAM 100 0 MidCH26365-1882.5



LTE Band26 1 4MHz 64QAM 6 0 LowCH26697-814.7



LTE Band25 20MHz 64QAM 100 0 HighCH26590-1905



LTE Band26 1 4MHz 64QAM 6 0 MidCH26740



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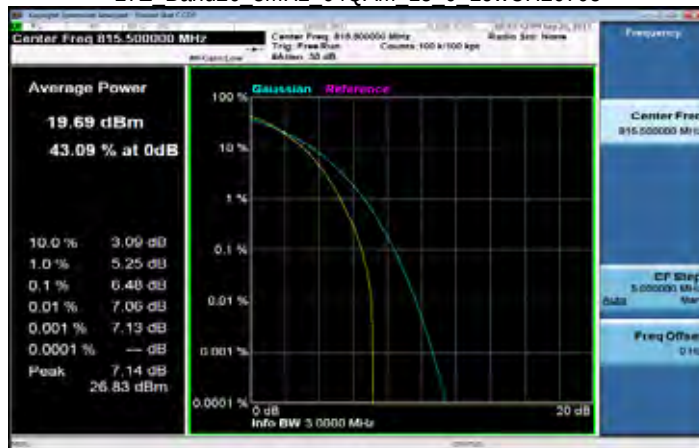
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LTE Band26 1 4MHz 64QAM 6 0 MidCH26865-831.5



LTE Band26 3MHz 64QAM 15 0 LowCH26705



LTE Band26 1 4MHz 64QAM 6 0 HighCH26783



LTE Band26 3MHz 64QAM 15 0 LowCH26705-815.5



LTE Band26 1 4MHz 64QAM 6 0 HighCH27033-848.3



LTE Band26 3MHz 64QAM 15 0 MidCH26740



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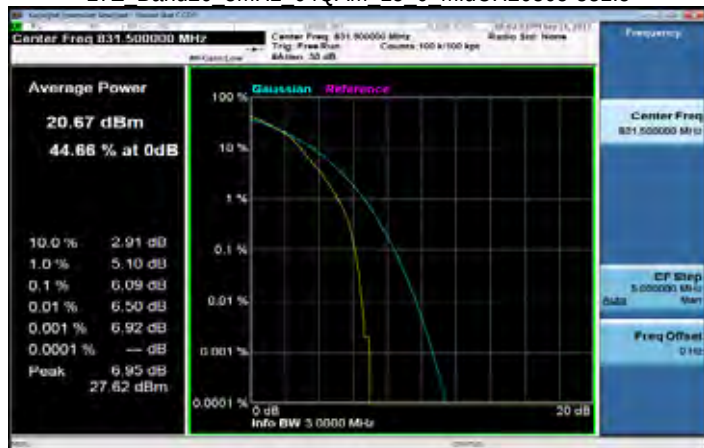
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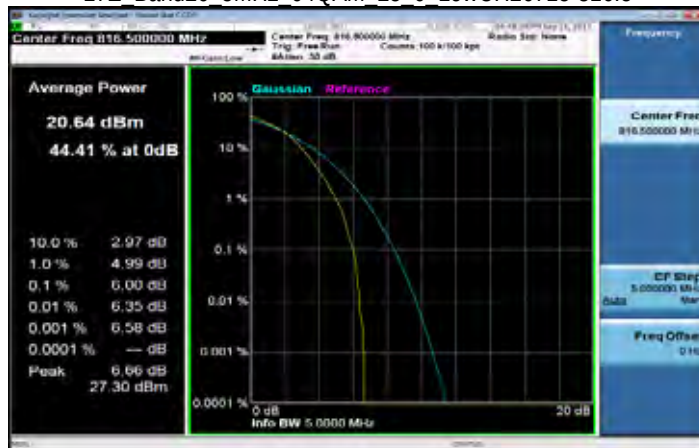
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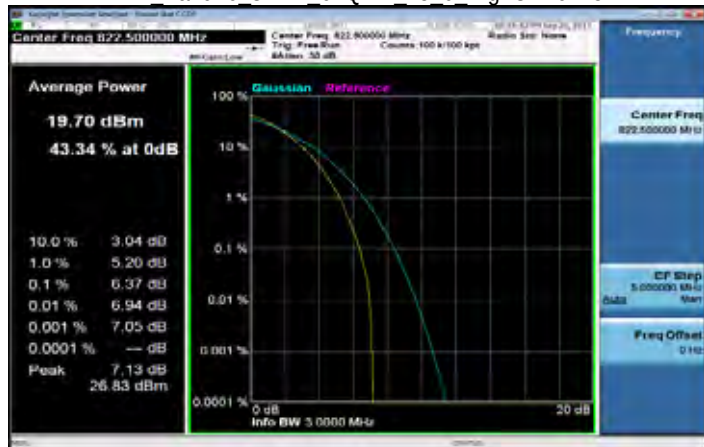
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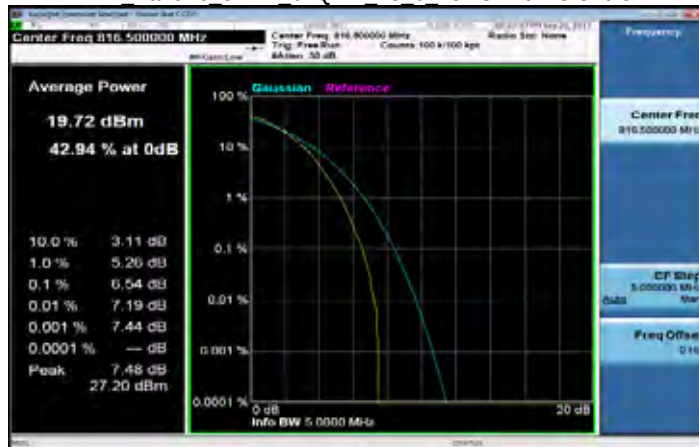
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LTE Band26 3MHz 64QAM 15 0 HighCH26775



LTE Band26 5MHz 64QAM 25 0 LowCH26715-816.5



LTE Band26 3MHz 64QAM 15 0 HighCH27025-847.5



LTE Band26 5MHz 64QAM 25 0 MidCH26740



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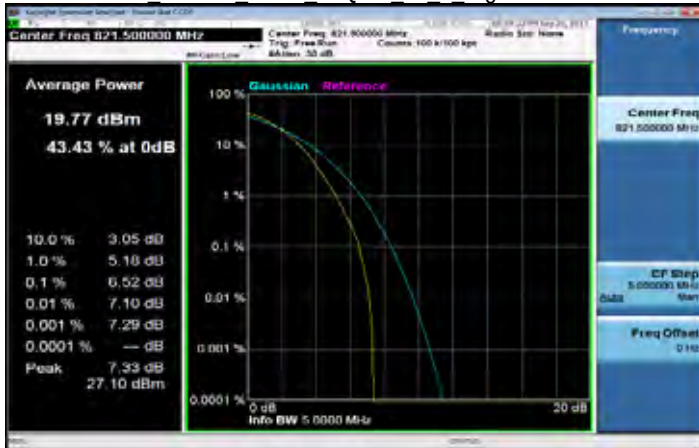
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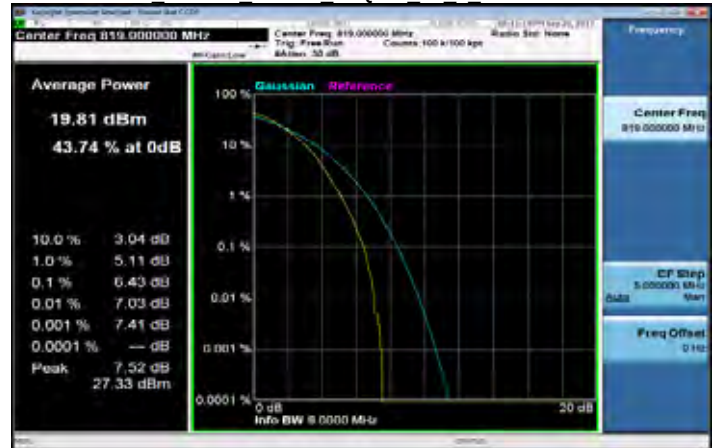
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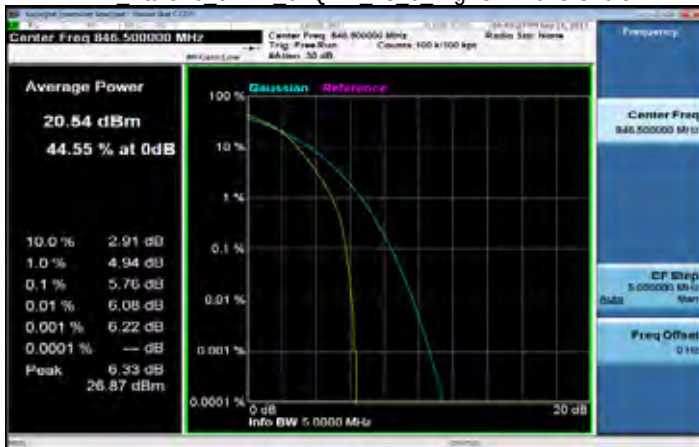
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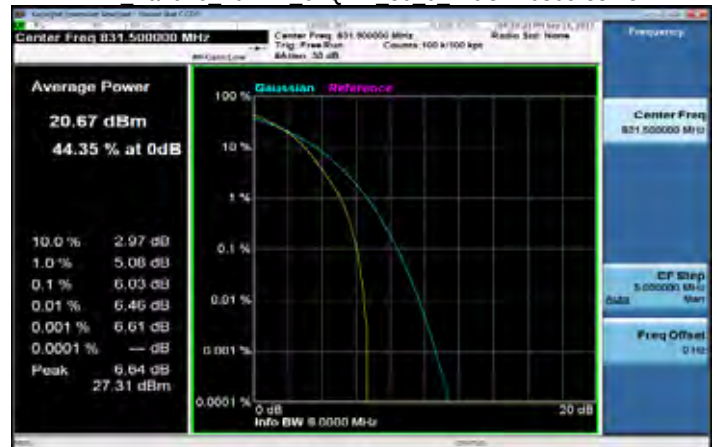
LTE Band26 10MHz 64QAM 50 0 MidCH26740



LTE Band26 5MHz 64QAM 25 0 HighCH27015-846.5



LTE Band26 10MHz 64QAM 50 0 MidCH26865-831.5



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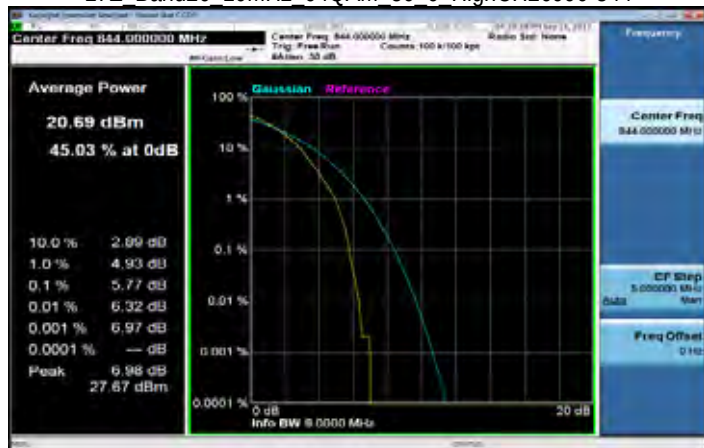
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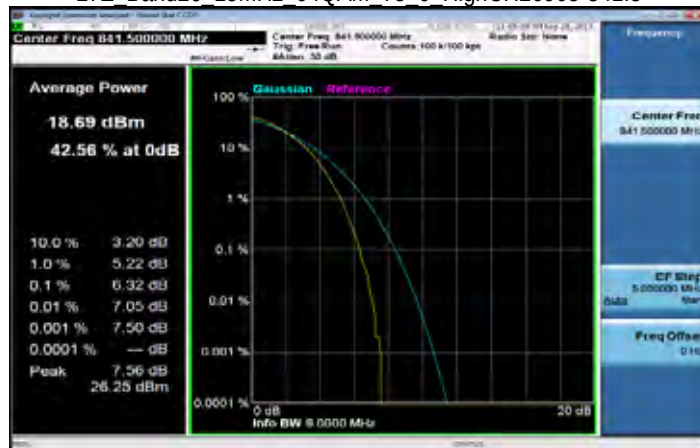
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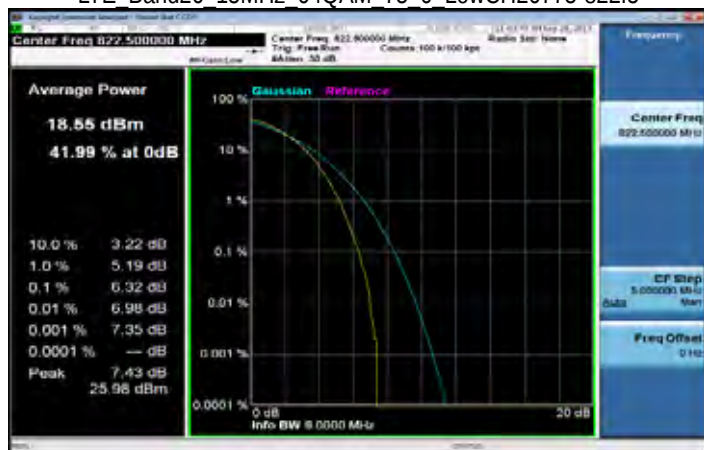
LTE Band26 10MHz 64QAM 50 0 HighCH26990-844



LTE Band26 15MHz 64QAM 75 0 HighCH26965-841.5



LTE Band26 15MHz 64QAM 75 0 LowCH26775-822.5



LTE Band30 5MHz 64QAM 25 0 LowCH27685



LTE Band26 15MHz 64QAM 75 0 MidCH26865-831.5



LTE Band30 5MHz 64QAM 25 0 MidCH27710



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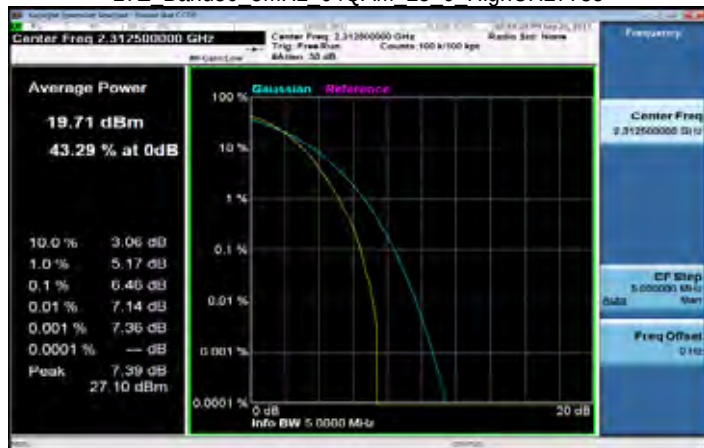
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LTE Band30 5MHz 64QAM 25 0 HighCH27735



LTE Band38 5MHz 64QAM 25 0 MidCH38000-2595



LTE Band30 10MHz 64QAM 50 0 MidCH27710



LTE Band38 5MHz 64QAM 25 0 HighCH38225-2617.5



LTE Band38 5MHz 64QAM 25 0 LowCH37775-2572.5



LTE Band38 10MHz 64QAM 50 0 LowCH37800-2575



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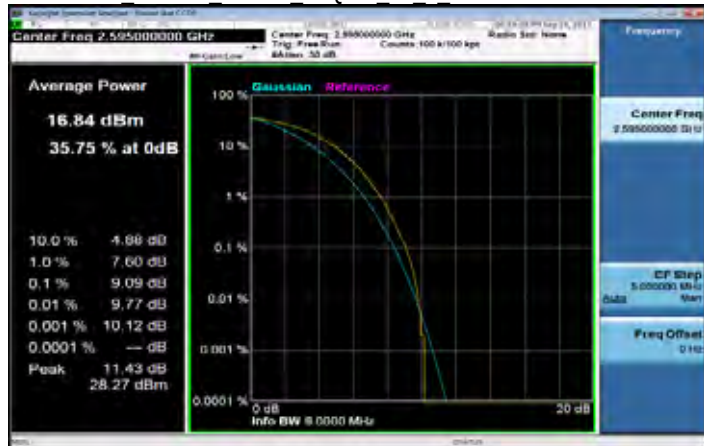
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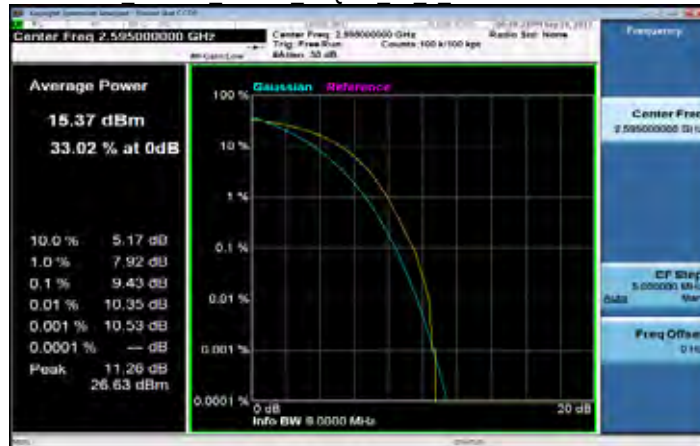
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LTE Band38 10MHz 64QAM 50 0 MidCH38000-2595



LTE Band38 15MHz 64QAM 75 0 MidCH38000-2595



LTE Band38 10MHz 64QAM 50 0 HighCH38200-2615



LTE Band38 15MHz 64QAM 75 0 HighCH38175-2612.5



LTE Band38 15MHz 64QAM 75 0 LowCH37825-2577.5



LTE Band38 20MHz 64QAM 100 0 LowCH37850



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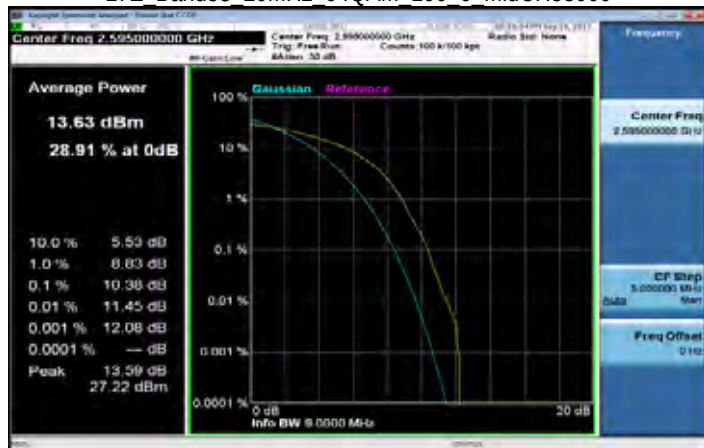
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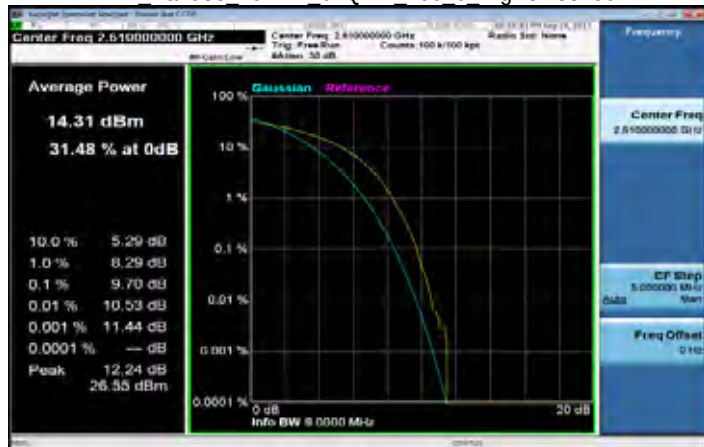
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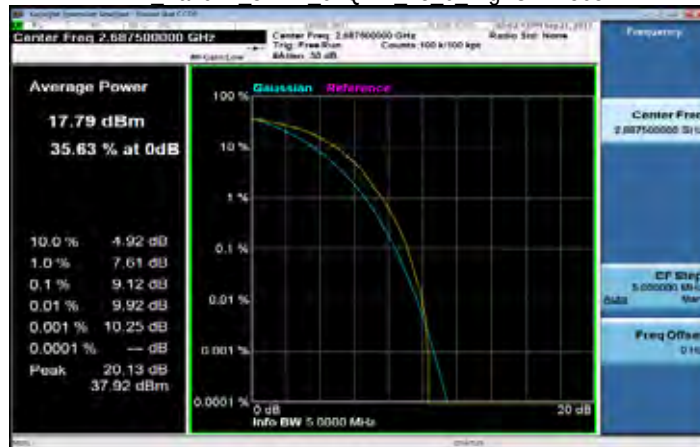
LTE Band41 5MHz 64QAM 25 0 MidCH40620



LTE Band38 20MHz 64QAM 100 0 HighCH38150



LTE Band41 5MHz 64QAM 25 0 HighCH41565



LTE Band41 5MHz 64QAM 25 0 LowCH39675



LTE Band41 10MHz 64QAM 50 0 LowCH39700



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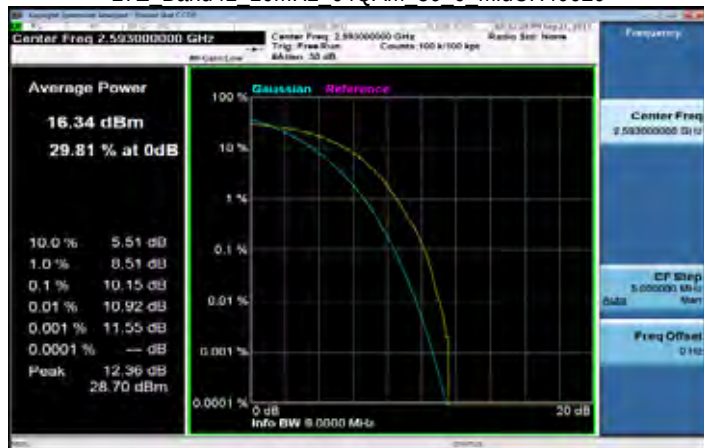
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LTE Band41 10MHz 64QAM 50 0 MidCH40620



LTE Band41 15MHz 64QAM 75 0 MidCH40620



LTE Band41 10MHz 64QAM 50 0 HighCH41540



LTE Band41 15MHz 64QAM 75 0 HighCH41515



LTE Band41 15MHz 64QAM 75 0 LowCH39725



LTE Band41 20MHz 64QAM 100 0 LowCH39750



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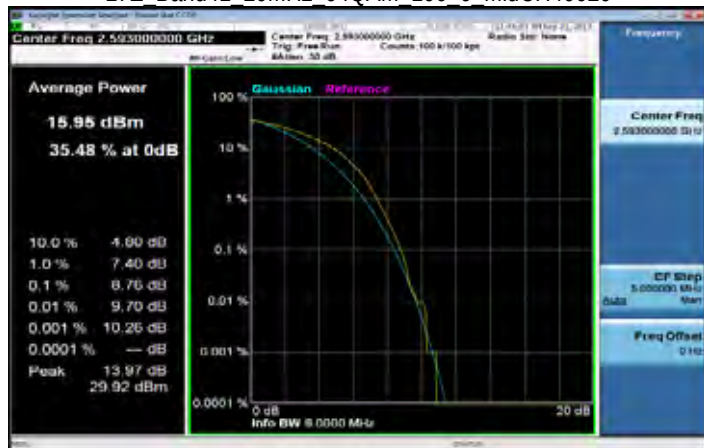
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LTE Band41 20MHz 64QAM 100 0 MidCH40620



LTE Band41 20MHz 64QAM 100 0 HighCH41490



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