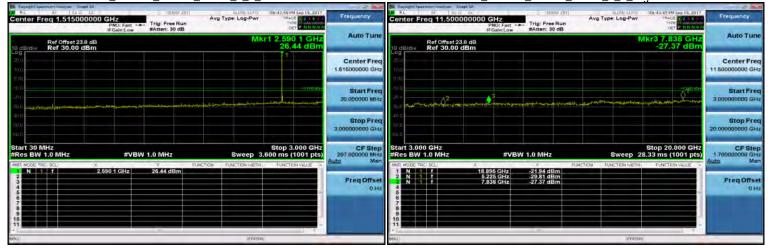




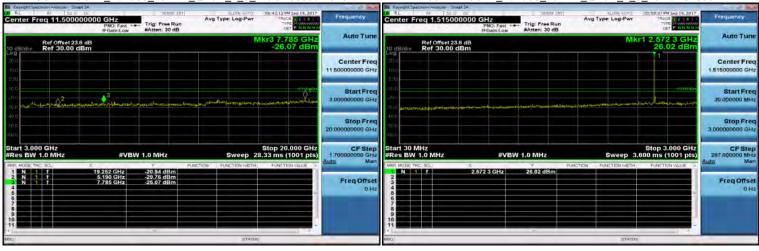
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3GHz~10GHz_Band38_15MHz_QPSK_1_0_HighCH38175-2612.5



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





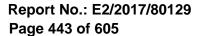
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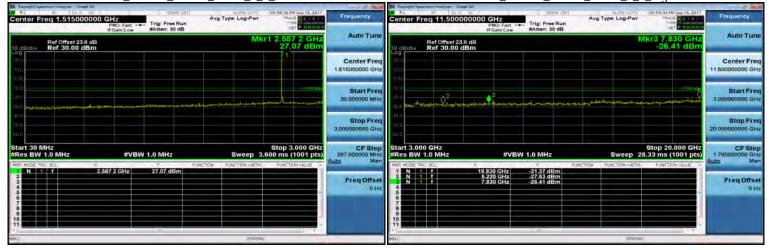
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30MHz~3GHz_Band38_20MHz_QPSK_1_0_MidCH38000

3GHz~10GHz_Band38_20MHz_QPSK_1_0_HighCH38150



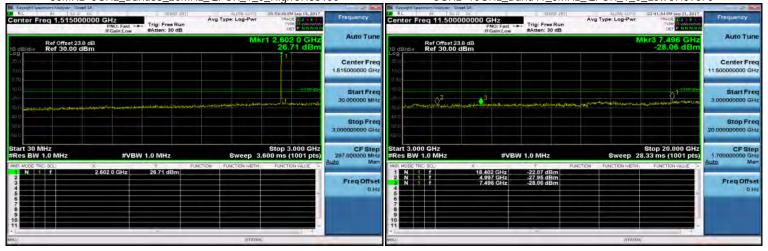
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30MHz~3GHz_Band41_5MHz_QPSK_1_0_LowCH39675



30MHz~3GHz_Band38_20MHz_QPSK_1_0_HighCH38150

3GHz~10GHz_Band41_5MHz_QPSK_1_0_LowCH39675



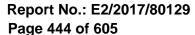
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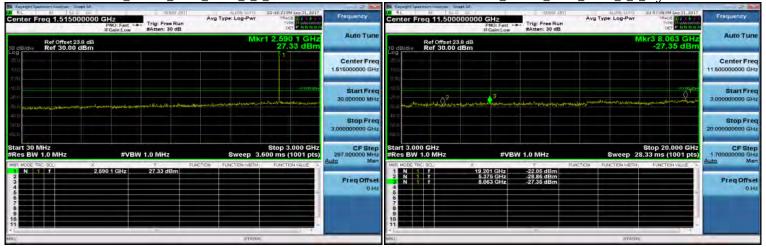
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30MHz~3GHz_Band41_5MHz_QPSK_1_0_MidCH40620

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



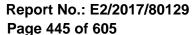
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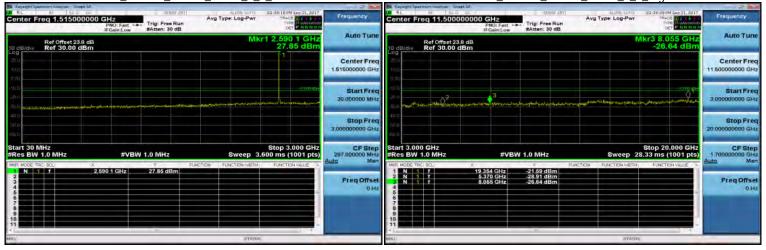
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30MHz~3GHz_Band41_10MHz_QPSK_1_0_MidCH40620

3GHz~10GHz_Band41_10MHz_QPSK_1_0_HighCH41540



3GHz~10GHz_Band41_10MHz_QPSK_1_0_MidCH40620

30MHz~3GHz_Band41_15MHz_QPSK_1_0_LowCH39725



30MHz~3GHz_Band41_10MHz_QPSK_1_0_HighCH41540





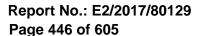
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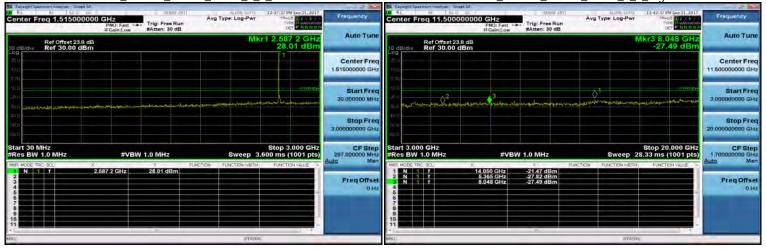
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30MHz~3GHz_Band41_15MHz_QPSK_1_0_MidCH40620

3GHz~10GHz_Band41_15MHz_QPSK_1_0_HighCH41515



3GHz~10GHz_Band41_15MHz_QPSK_1_0_MidCH40620

30MHz~3GHz_Band41_20MHz_QPSK_1_0_LowCH39750



30MHz~3GHz_Band41_15MHz_QPSK_1_0_HighCH41515





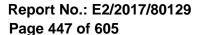
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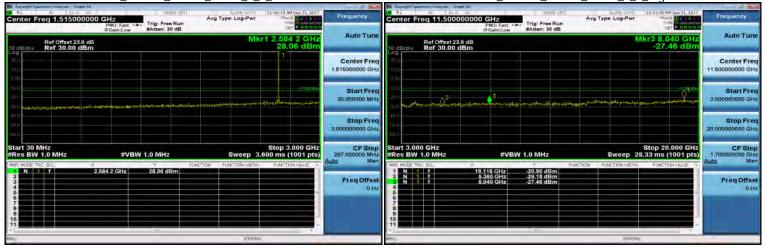
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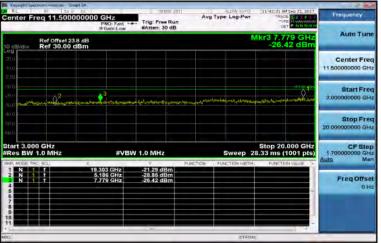


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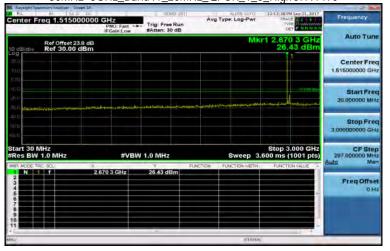
3GHz~10GHz_Band41_20MHz_QPSK_1_0_HighCH41490



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(q)

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 that 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 log10 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 log10 p(watts), dB, for base and fixed equipment, and
- (ii) 65 + 10 log10 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 log10 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 log10 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 log10 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 log10 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 log10(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	$43 + 10 \log_{10}(p)^{\text{Note}}$
2320 - 2324	$55 + 10 \log_{10}(p)$
2324 - 2328	$61 + 10 \log_{10}(p)$
2328 - 2337	$67 + 10 \log_{10}(p)$
2337 - 2341	$61 + 10 \log_{10}(p)$
2341 - 2345	$55 + 10 \log_{10}(p)$
2345 - 2360	$43 + 10 \log_{10}(p)^{\text{Note}}$
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 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 log₁₀ 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 log₁₀ p from the channel edges to 5 MHz away
- (ii) 43 + 10 log₁₀ p between 5 MHz and X MHz from the channel edges, and
- (iii) 55 + 10 log₁₀ 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.

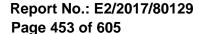
In (a) and (b), **p** is the transmitter power measured in watts and **X** is 6 MHz or the equipment occupied bandwidth, whichever is greater.

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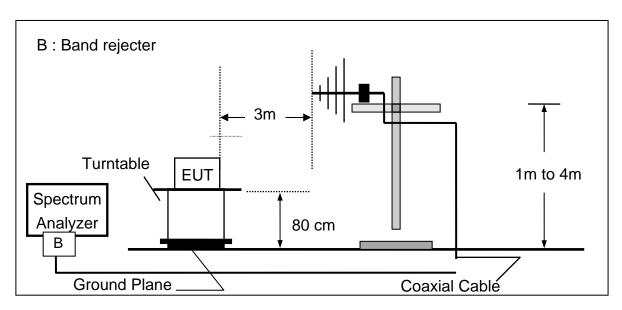
台灣檢驗科技股份有限公司



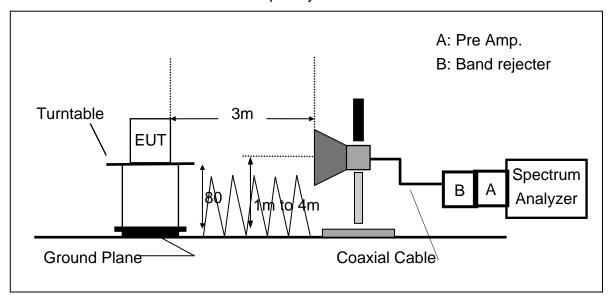


10.2. EUT Setup

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

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

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency. Note:

"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	SERIAL	LAST CAL.	CAL DUE.								
		NUMBER	NUMBER	2,101 0,121	07.12.02.								
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	SCU-18 10204		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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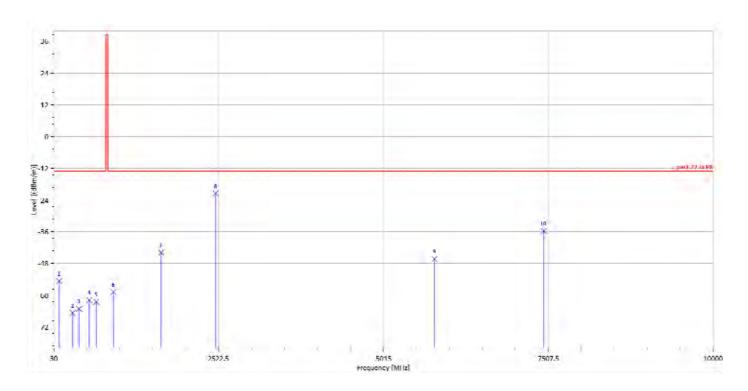
10.5. Measurement Result:

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.: **E**2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-43.83	-43.96	6.59	-6.46	-13	-30.83
2479.20	Н	-21.47	-22.20	8.53	-7.81	-13	-8.47
5784.80	Н	-46.27	-46.65	10.91	-10.53	-13	-33.27
7437.60	Н	-35.76	-33.47	9.24	-11.52	-13	-22.76

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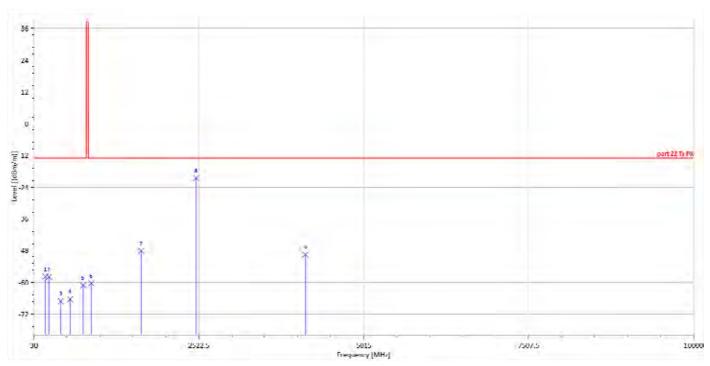


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Operation Mode: GPRS850 Test Date: 2017/9/28

Fundamental Frequency: 22.7deg_C/57RH 824.2 MHz Temp. / Humi.:

Operation Band: Test Engineer: Tx CH Low Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-48.13	-48.26	6.59	-6.46	-13	-35.13
2479.20	Н	-20.62	-21.34	8.53	-7.81	-13	-7.62
4132.00	Н	-49.59	-50.78	10.45	-9.26	-13	-36.59

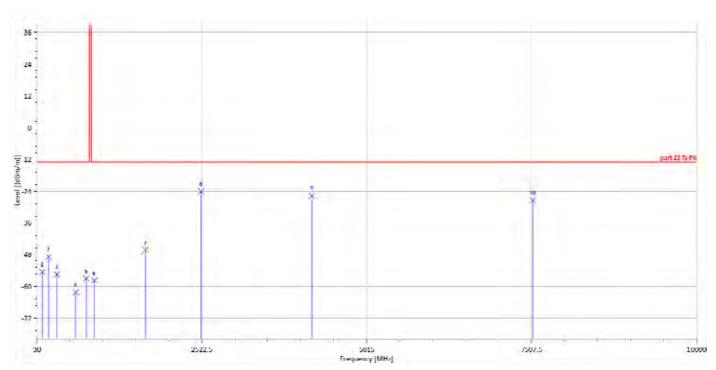


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Operation Mode: GPRS850 Test Date: 2017/9/28

Fundamental Frequency: 22.7deg_C/57RH 836.6 MHz Temp. / Humi.:

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-46.24	-46.42	6.68	-6.50	-13	-33.24
2509.80	Н	-24.12	-24.84	8.56	-7.84	-13	-11.12
4183.00	Н	-25.65	-26.80	10.45	-9.30	-13	-12.65
7529.40	Н	-27.47	-25.05	9.15	-11.57	-13	-14.47

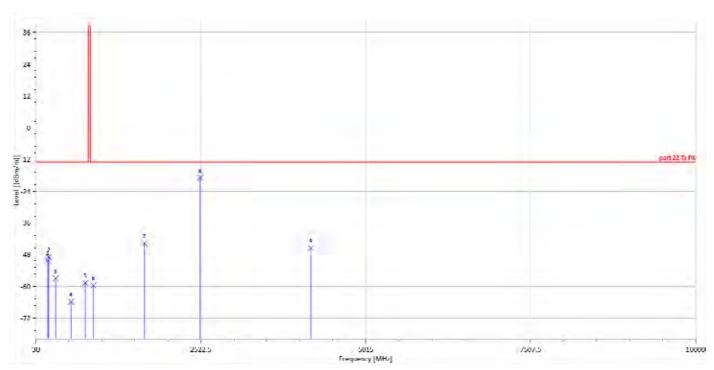


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Operation Mode: GPRS850 Test Date: 2017/9/28

Fundamental Frequency: 22.7deg_C/57RH 836.6 MHz Temp. / Humi.:

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-43.75	-43.93	6.68	-6.50	-13	-30.75
2509.80	Н	-18.93	-19.65	8.56	-7.84	-13	-5.93
4183.00	Н	-45.56	-46.71	10.45	-9.30	-13	-32.56

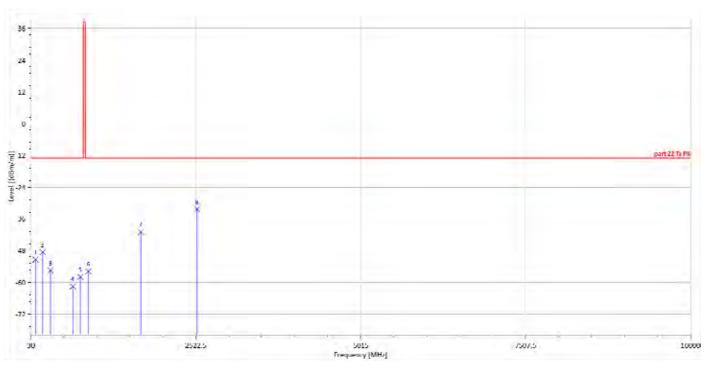


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Operation Mode: GPRS850 Test Date: 2017/9/28

Fundamental Frequency: 22.7deg_C/57RH 848.8 MHz Temp. / Humi.:

Operation Band: Test Engineer: Tx CH High Ashton EUT Pol.: E2 Measurement Antenna Pol.: Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-40.89	-41.10	6.76	-6.55	-13	-27.89
2539.80	Н	-32.33	-33.05	8.60	-7.87	-13	-19.33

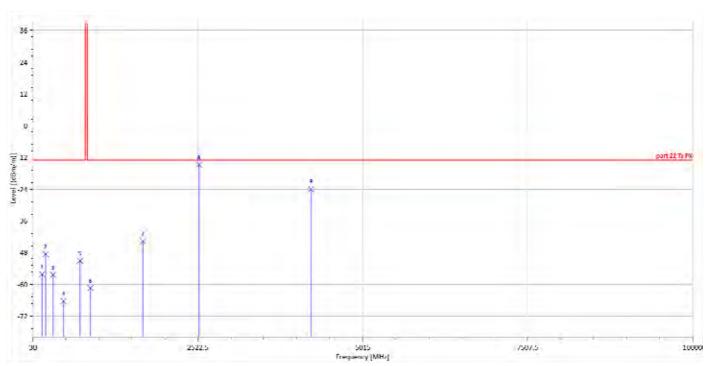


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Operation Mode: GPRS850 Test Date: 2017/9/28

Fundamental Frequency: Temp. / Humi.: 22.7deg_C/57RH 848.8 MHz

Tx CH High Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-43.65	-43.86	6.76	-6.55	-13	-30.65
2539.80	Н	-14.70	-15.42	8.60	-7.87	-13	-1.70
4233.00	Н	-24.04	-25.14	10.45	-9.35	-13	-11.04

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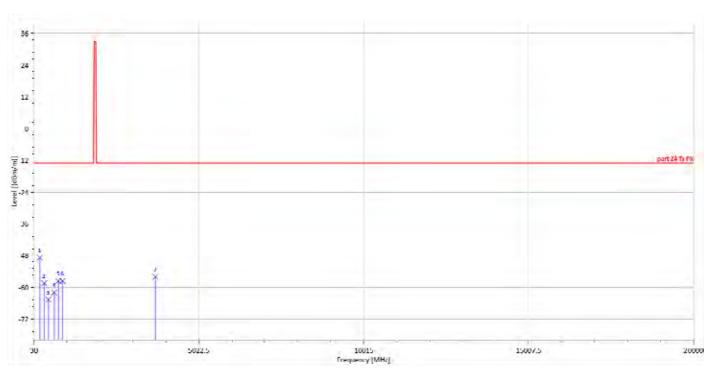
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Radiated Spurious Emission Measurement Result: GSM 1900 Mode (The Worst Case)

Operation Mode: GSM 1900 Test Date: 2017/9/28

Fundamental Frequency: 1850.2 MHz 22.7deg_C/57RH Temp. / Humi.:

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.99	-59.51	12.42	-8.90	-13.01	-42.98

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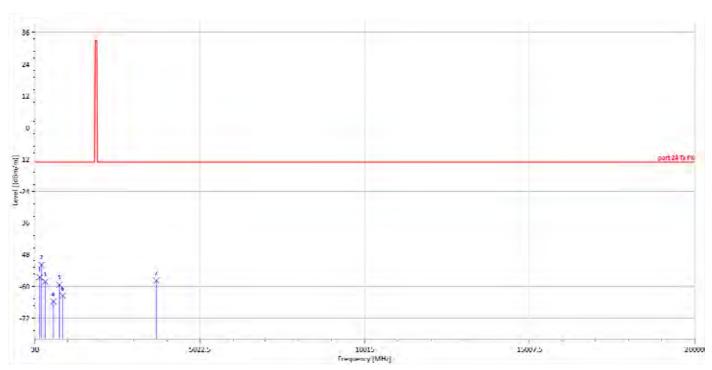


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Operation Mode: GSM 1900 Test Date: 2017/9/28

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-57.76	-61.28	12.42	-8.90	-13.01	-44.75

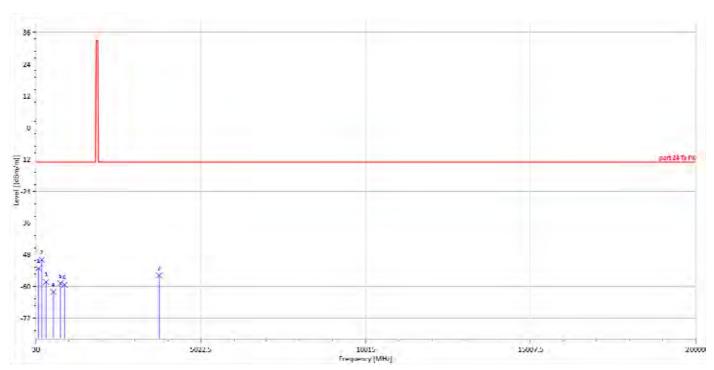


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Operation Mode: GSM 1900 Test Date: 2017/9/28

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.90	-59.42	12.46	-8.94	-13.01	-42.89

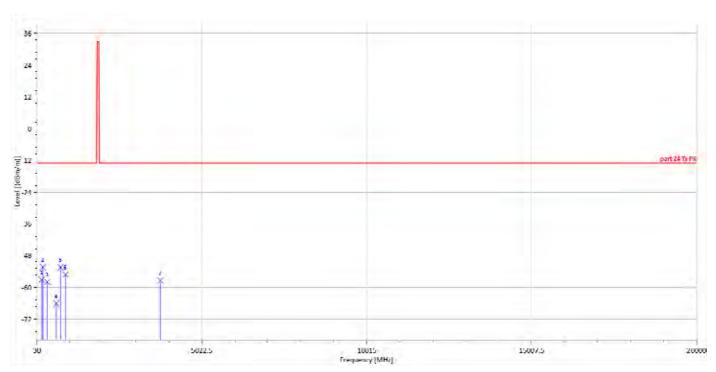


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Operation Mode: Test Date: **GSM 1900** 2017/9/28

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-57.41	-60.93	12.46	-8.94	-13.01	-44.40

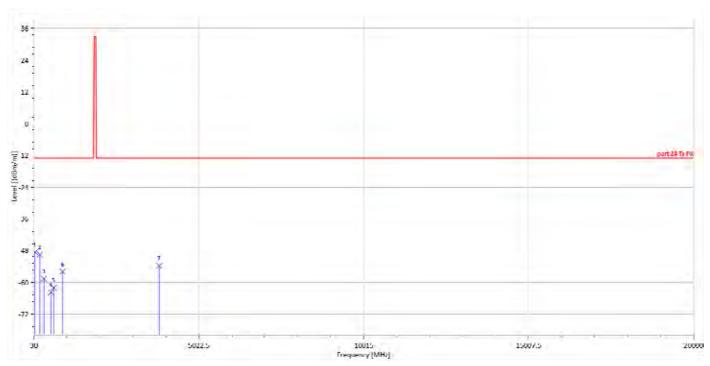


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Operation Mode: GSM 1900 Test Date: 2017/9/28

Fundamental Frequency: 1909.8 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Test Engineer: Tx CH High Ashton EUT Pol.: E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-53.69	-57.20	12.49	-8.98	-13.01	-40.68

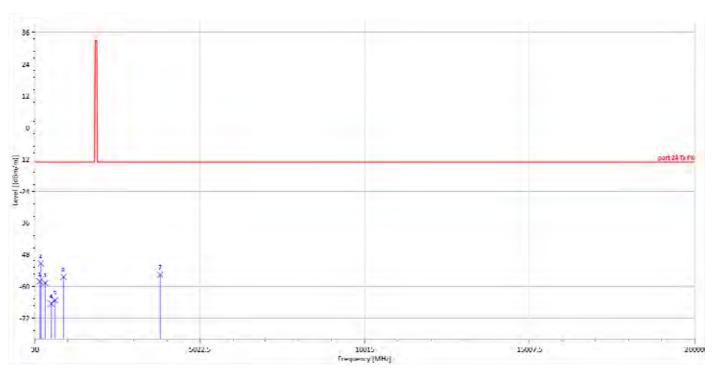


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Operation Mode: GSM 1900 Test Date: 2017/9/28

Fundamental Frequency: 1909.8 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Test Engineer: Tx CH High Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.61	-59.12	12.49	-8.98	-13.01	-42.60



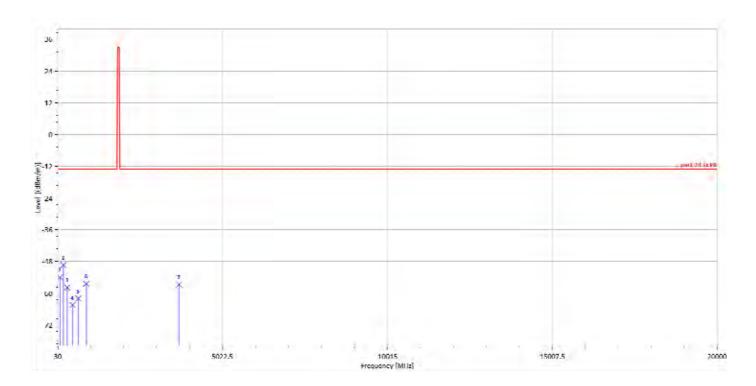
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Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-56.63	-60.15	12.42	-8.90	-13.01	-43.62

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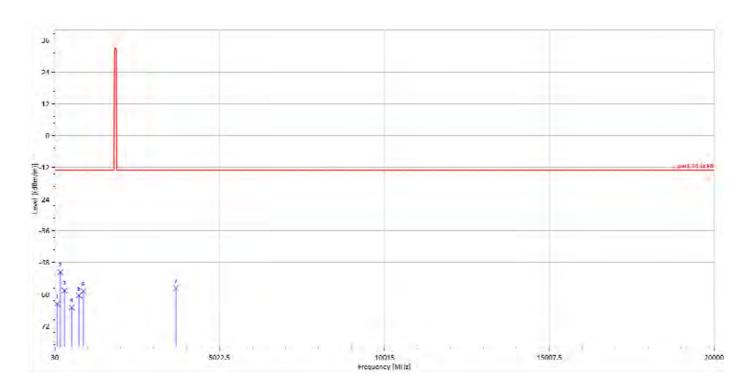


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Operation Mode: WCDMA B2 Test Date: 2017/9/28

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.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.65	-61.17	12.42	-8.90	-13.01	-44.64

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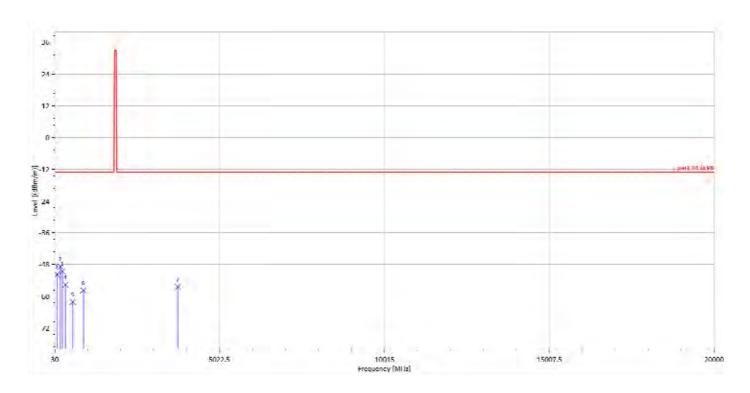


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Operation Mode: WCDMA B2 Test Date: 2017/9/28

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-56.46	-59.97	12.46	-8.94	-13.01	-43.45

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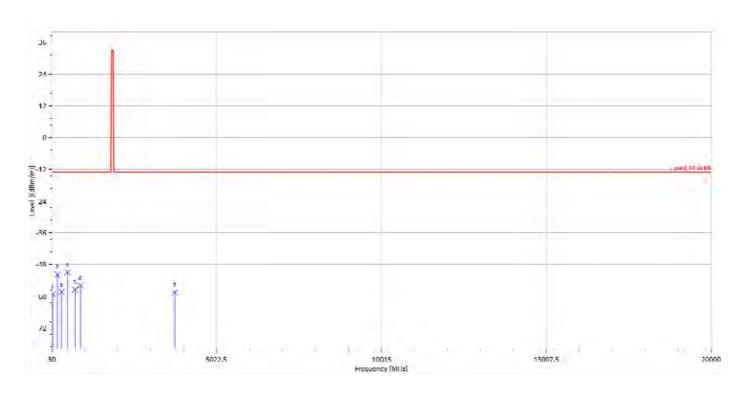


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Operation Mode: WCDMA B2 Test Date: 2017/9/28

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-58.57	-62.08	12.46	-8.94	-13.01	-45.56

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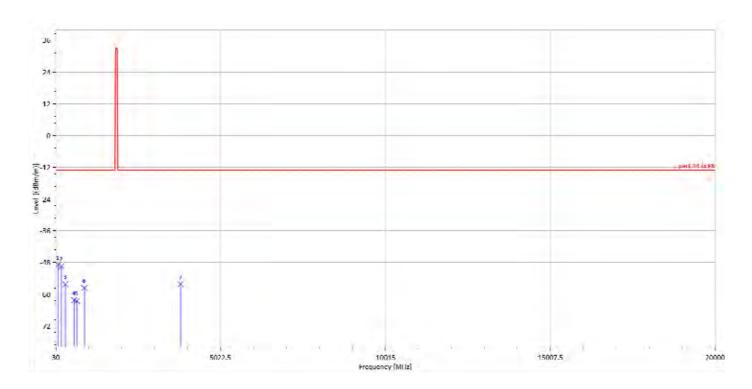


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Operation Mode: WCDMA B2 Test Date: 2017/9/28

Fundamental Frequency: 1907.6 MHz Temp. / Humi.: 22.7deg_C/57RH

Tx CH High Operation Band: 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	Н	-56.10	-59.61	12.49	-8.98	-13.01	-43.09

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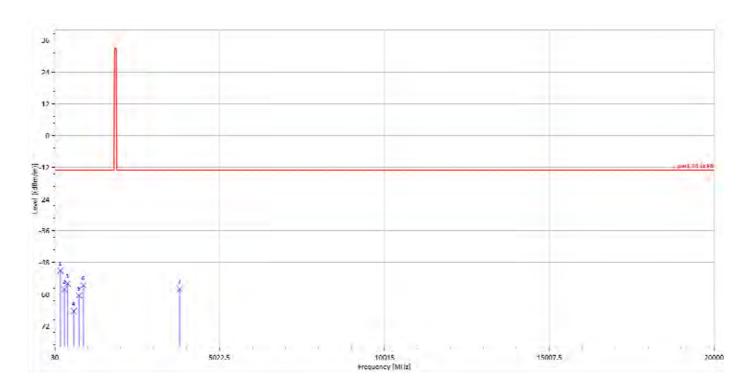


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Operation Mode: WCDMA B2 Test Date: 2017/9/28

Fundamental Frequency: 1907.6 MHz Temp. / Humi.: 22.7deg_C/57RH

Tx CH High Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.98	-61.48	12.49	-8.98	-13.01	-44.97

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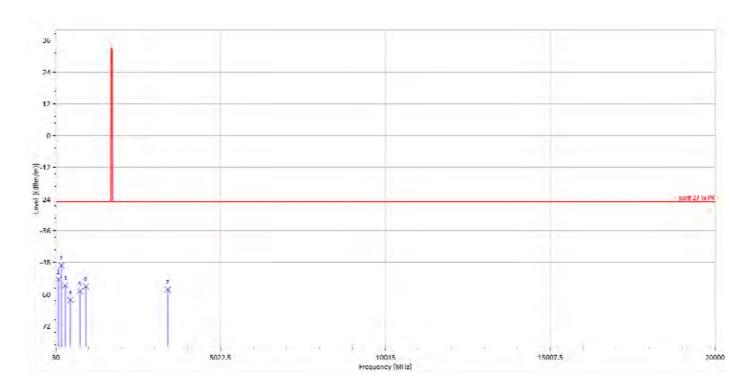
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Radiated Spurious Emission Measurement Result: HSUPA Band 4 Mode

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-58.21	-61.66	12.15	-8.70	-25	-33.21

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

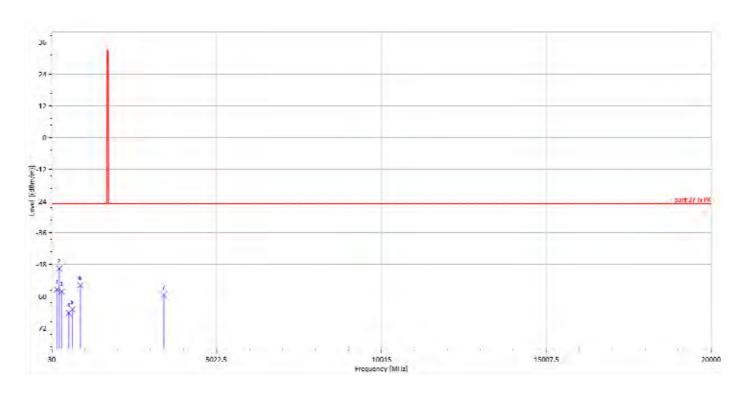


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Operation Mode: HSUPA B4 Test Date: 2017/9/28

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-59.46	-62.91	12.15	-8.70	-25	-34.46

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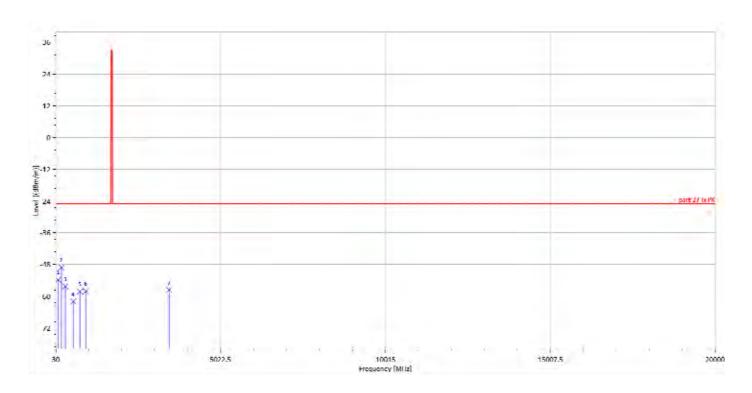


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Operation Mode: HSUPA B4 Test Date: 2017/9/28

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-57.53	-61.03	12.23	-8.73	-25	-32.53

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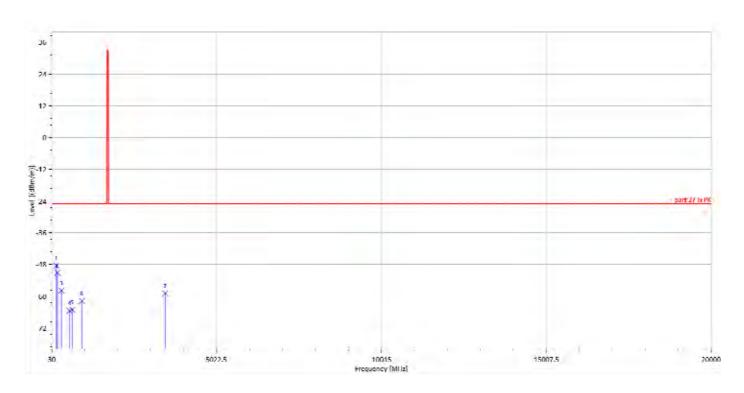


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Operation Mode: HSUPA B4 Test Date: 2017/9/28

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-58.87	-62.37	12.23	-8.73	-25	-33.87

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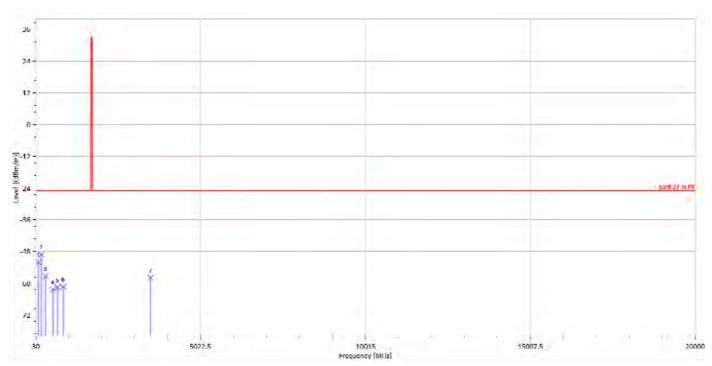


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Operation Mode: HSUPA B4 Test Date: 2017/9/28

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	Н	-57.88	-61.42	12.30	-8.76	-25	-32.88

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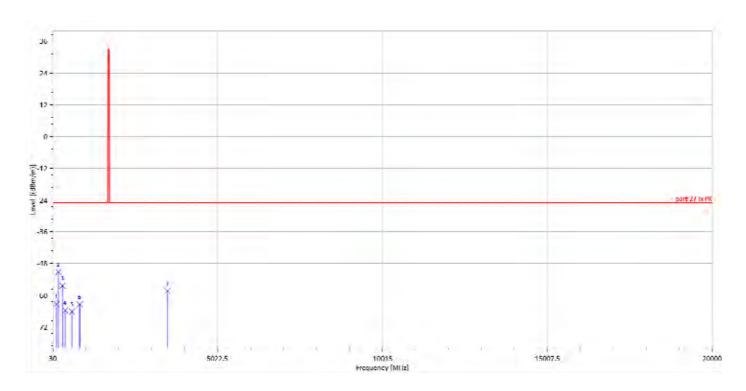


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Operation Mode: HSUPA B4 Test Date: 2017/9/28

Fundamental Frequency: 1752.6 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH High Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-58.33	-61.87	12.30	-8.76	-25	-33.33

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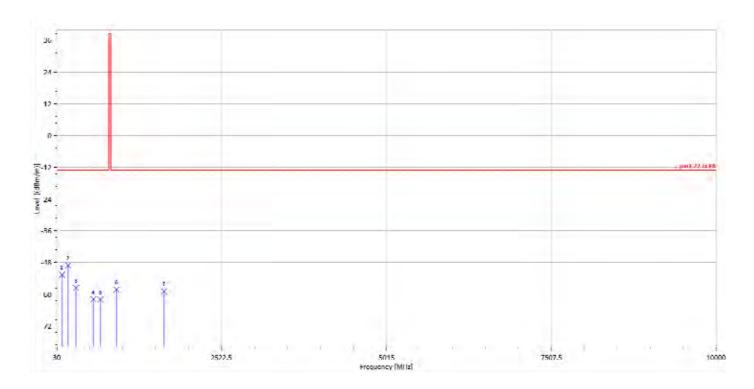
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Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-58.89	-59.02	6.59	-6.46	-13	-45.89

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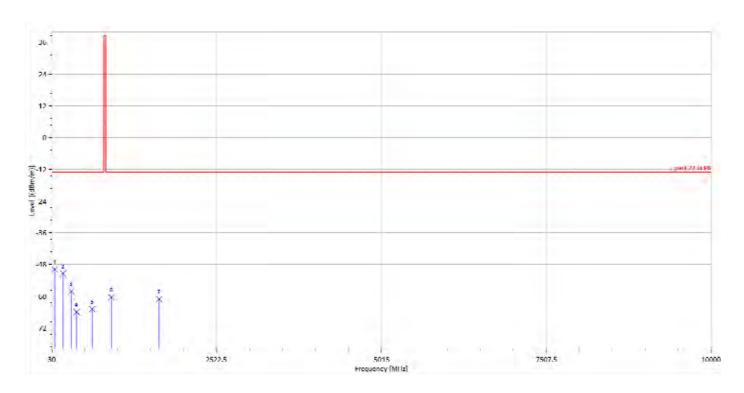


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Operation Mode: WCDMA B5 Test Date: 2017/9/28

826.4 MHz Fundamental Frequency: 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
			Level	Gain	Loss	@3m	
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	Н	-61.07	-61.20	6.59	-6.46	-13	-48.07

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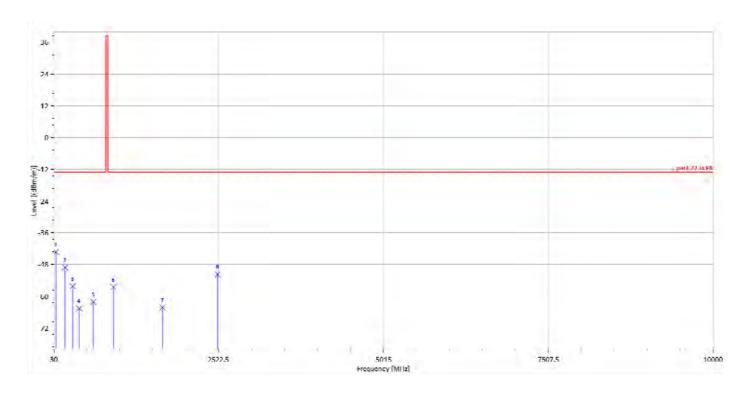


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Operation Mode: WCDMA B5 Test Date: 2017/9/28

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-64.29	-64.47	6.68	-6.50	-13	-51.29
2509.80	Н	-51.71	-52.43	8.56	-7.84	-13	-38.71

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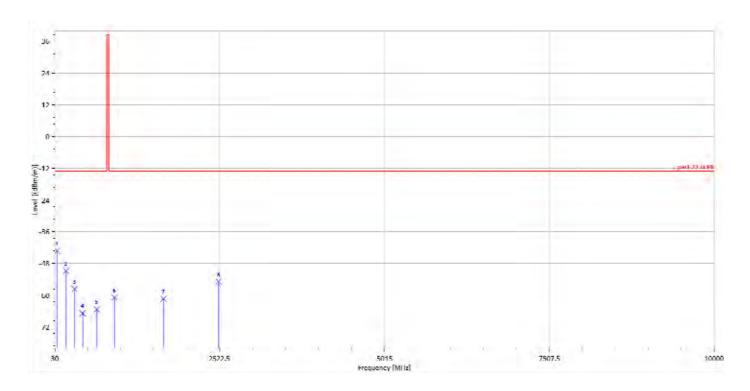


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Operation Mode: WCDMA B5 Test Date: 2017/9/28

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.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-61.40	-61.58	6.68	-6.50	-13	-48.40
2509.80	Н	-54.75	-55.47	8.56	-7.84	-13	-41.75

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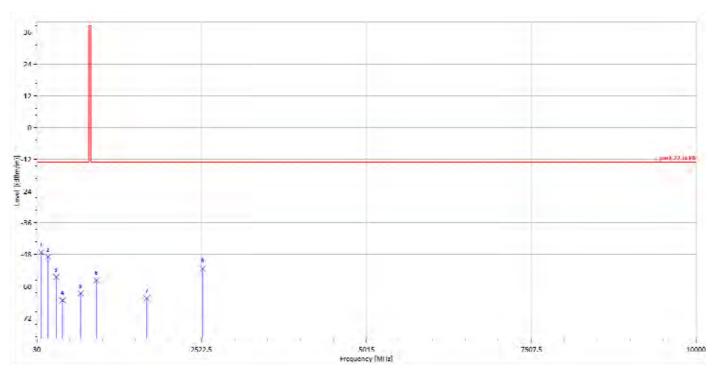


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Operation Mode: WCDMA B5 Test Date: 2017/9/28

846.6 MHz Fundamental Frequency: 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
			Level	Gain	Loss	@3m	
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	Н	-64.63	-64.84	6.76	-6.55	-13	-51.63
2539.80	Н	-53.20	-53.93	8.60	-7.87	-13	-40.20

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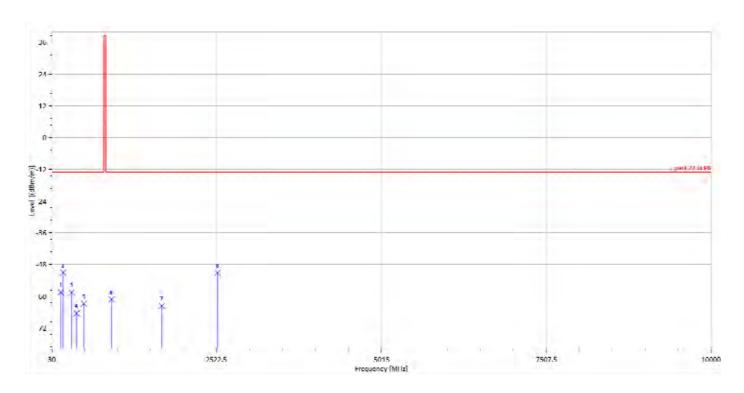


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Operation Mode: WCDMA B5 Test Date: 2017/9/28

846.6 MHz Fundamental Frequency: 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
			Level	Gain	Loss	@3m	
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	Н	-63.70	-63.92	6.76	-6.55	-13	-50.70
2539.80	Н	-51.16	-51.89	8.60	-7.87	-13	-38.16

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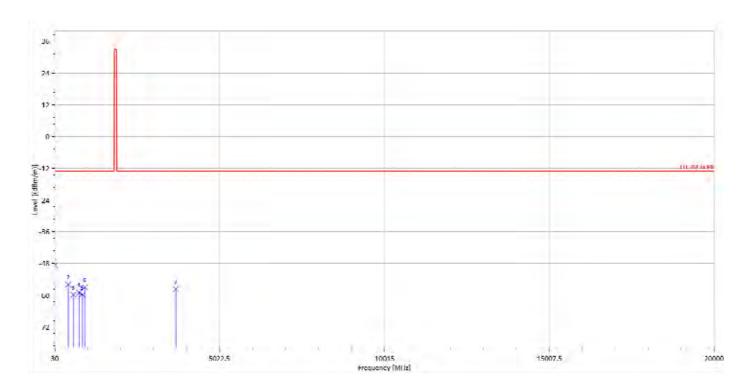
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Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

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.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.61	-61.13	12.42	-8.90	-13	-44.61

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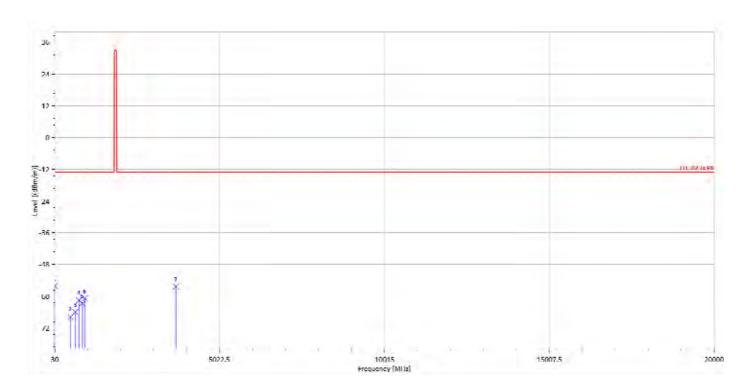


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Operation Mode: LTEB2 1.4M QPSK RB 1.0 Test Date: 2017/9/29

Fundamental Frequency: 1850.7 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Low Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-56.30	-59.82	12.42	-8.90	-13	-43.30

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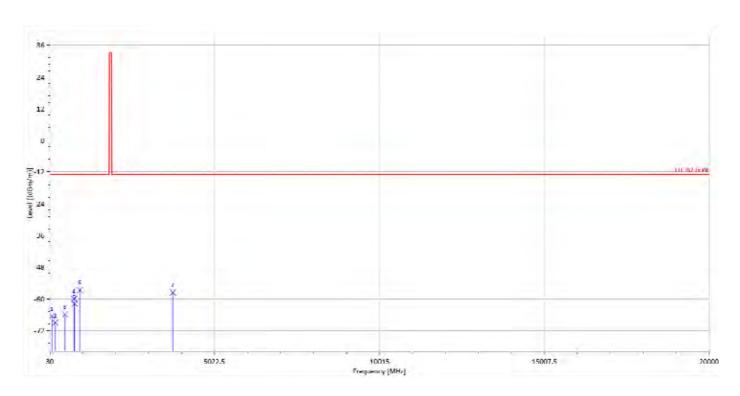


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Operation Mode: LTEB2 1.4M QPSK RB 1.0 Test Date: 2017/9/29

Fundamental Frequency: 1880 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Mid Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.62	-61.14	12.46	-8.94	-13	-44.62

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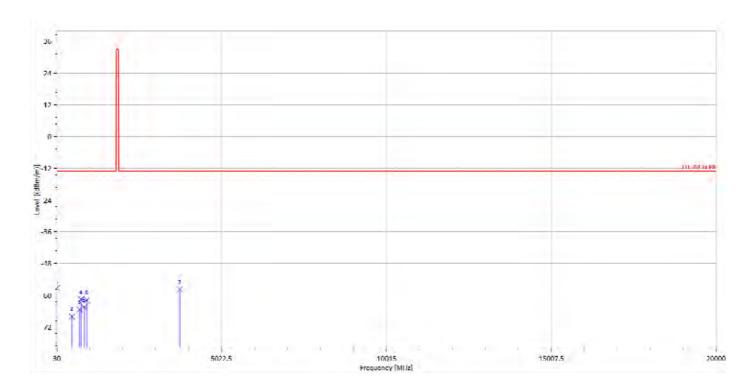


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Operation Mode: LTEB2 1.4M QPSK RB 1.0 Test Date: 2017/9/29

Fundamental Frequency: 1880 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Mid Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-57.68	-61.20	12.46	-8.94	-13	-44.68

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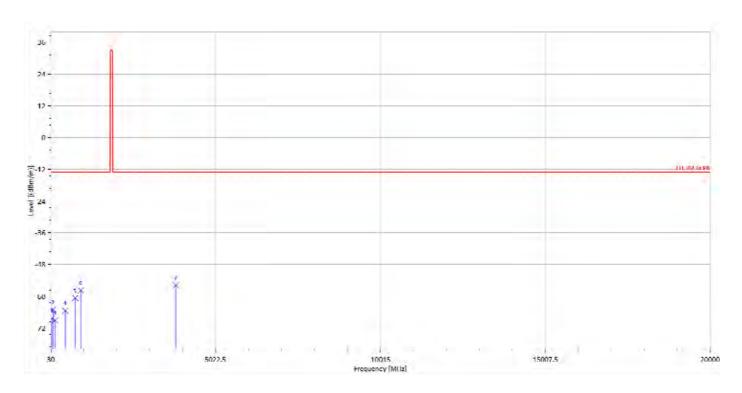


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Operation Mode: LTEB2 1.4M QPSK RB 1.0 Test Date: 2017/9/29

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-55.81	-59.32	12.49	-8.98	-13	-42.81

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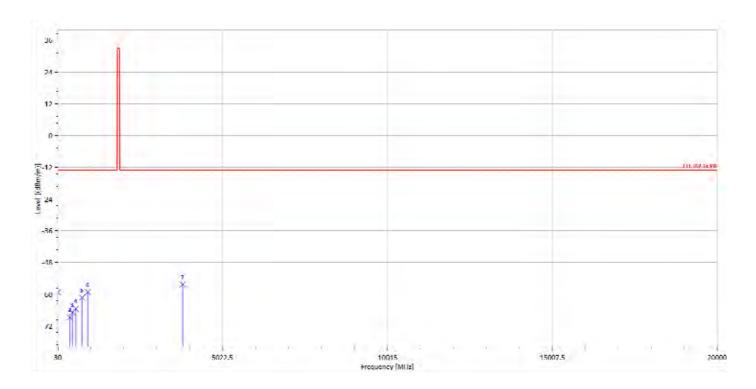


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Operation Mode: LTEB2 1.4M QPSK RB 1.0 Test Date: 2017/9/29

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.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-56.27	-59.78	12.49	-8.98	-13	-43.27

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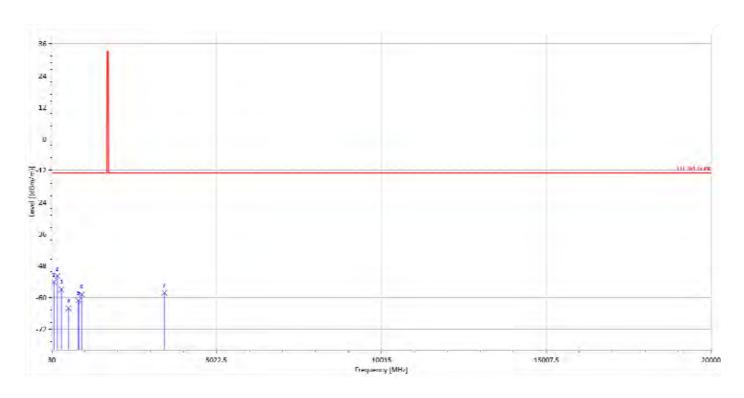
Radiated Spurious Emission Measurement Result: LTE-Band 4 (The Worst Case)

LTEB4 20M 64QAM RB

Operation Mode: 1.99 Test Date: 2017/9/27

Fundamental Frequency: 1720.0 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-58.23	-59.55	10.03	-8.71	-13	-45.23

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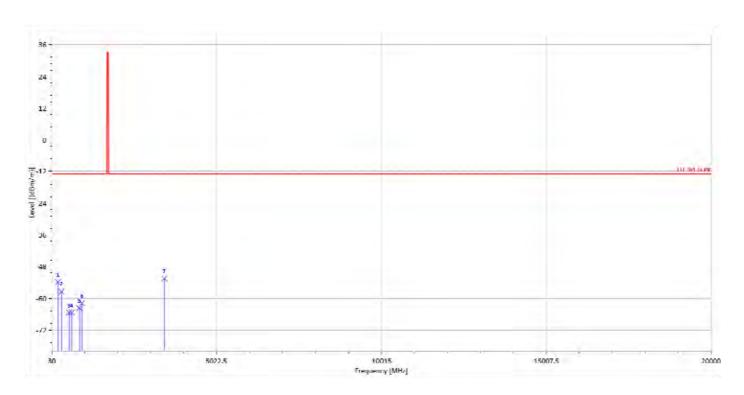
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LTEB4 20M 64QAM RB

Operation Mode: 1.99 Test Date: 2017/9/27

Fundamental Frequency: 1720.0 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-52.57	-53.89	10.03	-8.71	-13	-39.57

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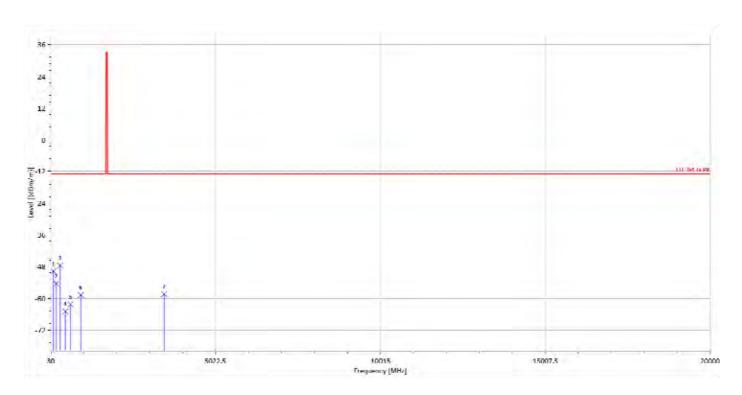
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LTEB4 20M 64QAM RB

Operation Mode: 1.99 Test Date: 2017/9/27

Fundamental Frequency: 1732.5 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-58.34	-59.69	10.08	-8.73	-13	-45.34

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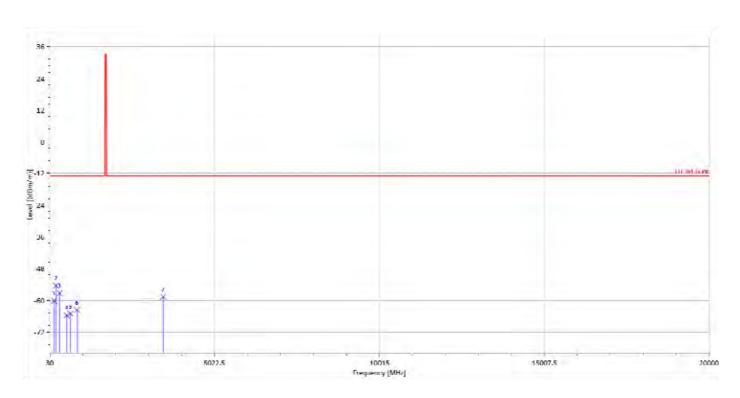
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LTEB4 20M 64QAM RB

Operation Mode: 1.99 Test Date: 2017/9/27

Fundamental Frequency: 1732.5 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-58.62	-59.97	10.08	-8.73	-13	-45.62

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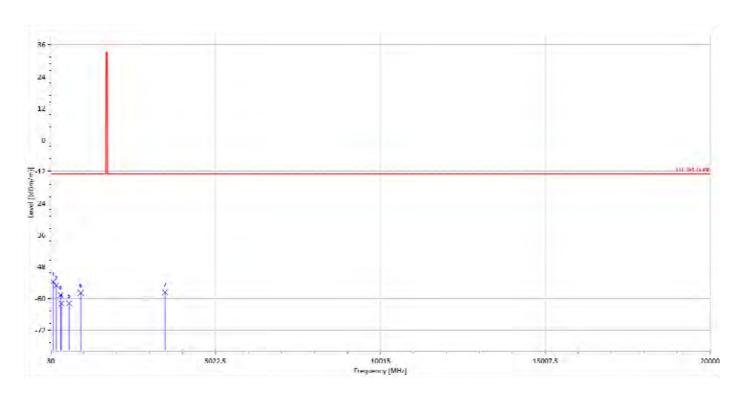
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LTEB4 20M 64QAM RB

Operation Mode: 1.99 Test Date: 2017/9/28

Fundamental Frequency: 1745 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.66	-59.04	10.13	-8.75	-13	-44.66

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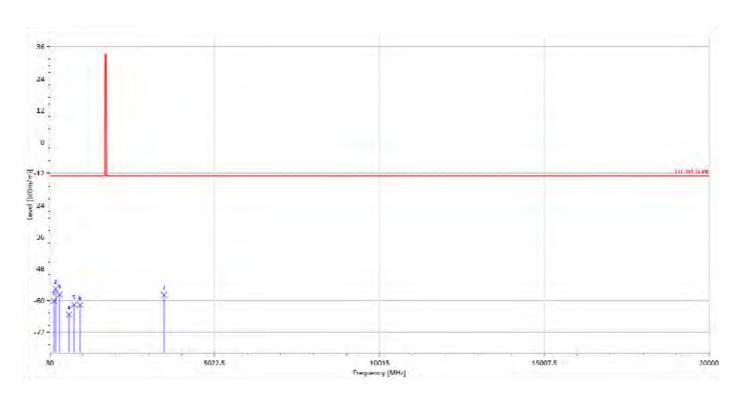
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LTEB4 20M 64QAM RB

Operation Mode: 1.99 Test Date: 2017/9/27

Fundamental Frequency: 1745 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
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	Н	-57.97	-59.34	10.13	-8.75	-13	-44.97

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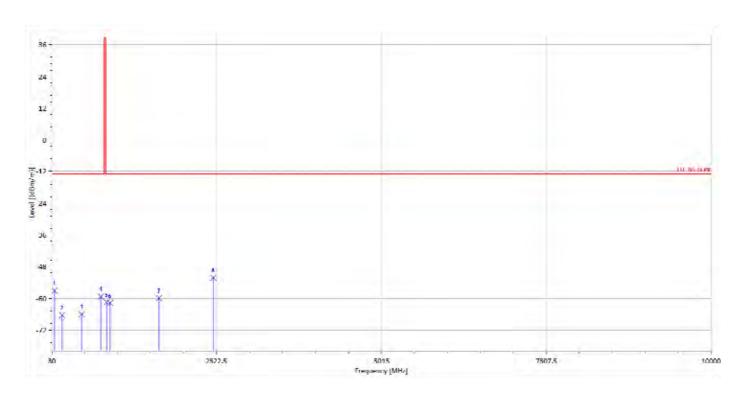
Radiated Spurious Emission Measurement Result: LTE-Band 5 (The Worst Case)

LTEB5 1.4M 16QAM RB

Operation Mode: Test Date: 2017/9/29 1.0

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 Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-59.91	-60.03	6.57	-6.45	-13	-46.91
2474.10	Н	-52.26	-52.99	8.52	-7.79	-13	-39.26

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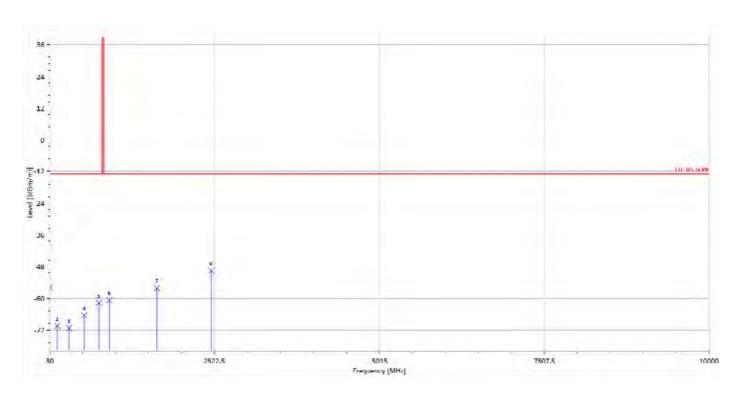
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LTEB5 1.4M 16QAM RB

Operation Mode: Test Date: 2017/9/29 1.0

Fundamental Frequency: 824.7 MHz Temp. / Humi.: 22.7deg C/57RH

Tx CH Low Operation Band: 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	-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	Н	-56.26	-56.38	6.57	-6.45	-13	-43.26
2474.10	Н	-49.56	-50.29	8.52	-7.79	-13	-36.56

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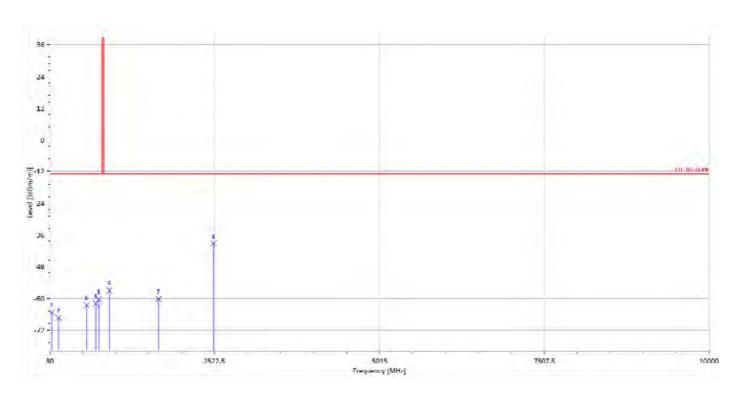
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LTEB5 1.4M 16QAM RB

Operation Mode: Test Date: 2017/9/29 1.0

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. : 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	-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	Н	-60.25	-60.41	6.65	-6.49	-13	-47.25
2509.50	Н	-39.32	-40.04	8.55	-7.83	-13	-26.32

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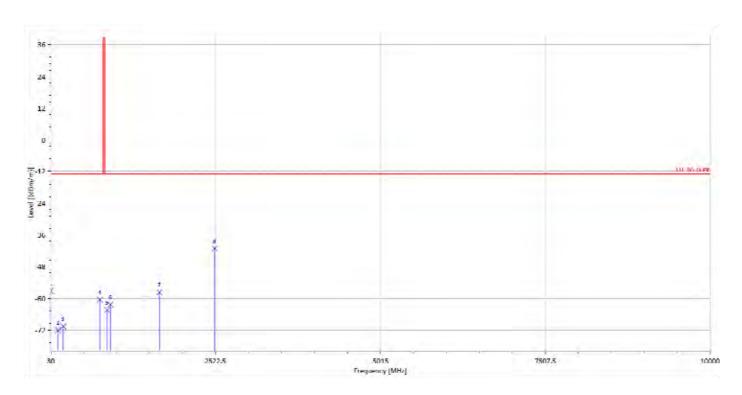
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LTEB5 1.4M 16QAM RB

Operation Mode: Test Date: 2017/9/29 1.0

Fundamental Frequency: 836.5 MHz Temp. / Humi.: 22.7deg C/57RH

Tx CH Mid Operation Band: 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
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	Н	-57.71	-57.87	6.65	-6.49	-13	-44.71
2509.50	Н	-41.14	-41.86	8.55	-7.83	-13	-28.14

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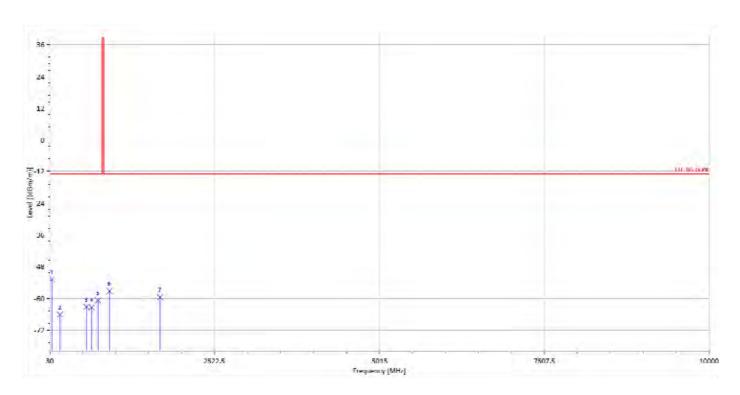
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LTEB5 1.4M 16QAM RB

Operation Mode: Test Date: 2017/9/29 1.0

Fundamental Frequency: 848.3 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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-59.55	-59.77	6.76	-6.55	-13	-46.55

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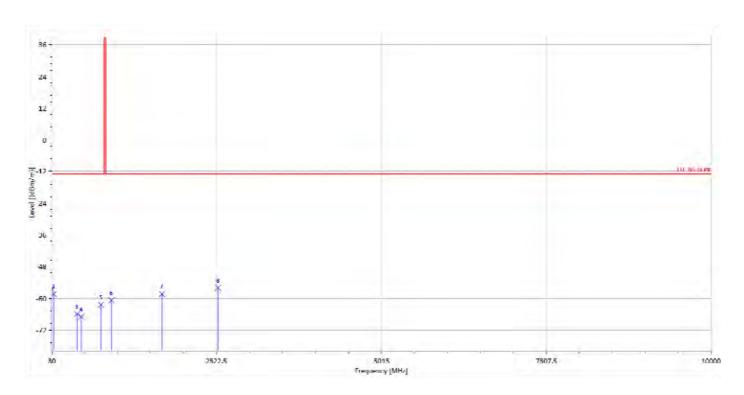
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LTEB5 1.4M 16QAM RB

Operation Mode: Test Date: 2017/9/29 1.0

Fundamental Frequency: 848.3 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 Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-58.32	-58.53	6.76	-6.55	-13	-45.32
2544.90	Н	-56.06	-56.78	8.60	-7.87	-13	-43.06

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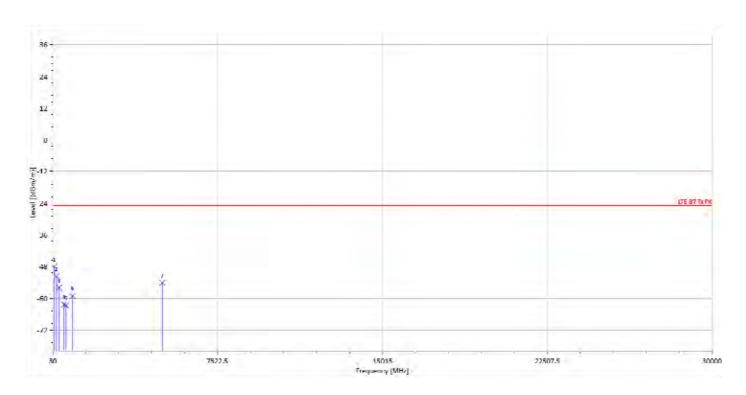
Radiated Spurious Emission Measurement Result: LTE-Band 7 (The Worst Case)

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.: Measurement Antenna Pol.: E2 Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-54.20	-56.78	12.51	-9.93	-25	-29.20

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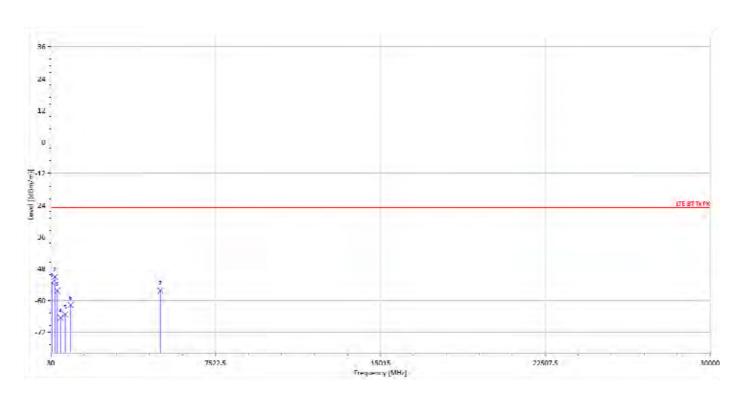
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LTE B7 10M QPSK RB

1.49 Operation Mode: 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.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-56.37	-58.95	12.51	-9.93	-25	-31.37

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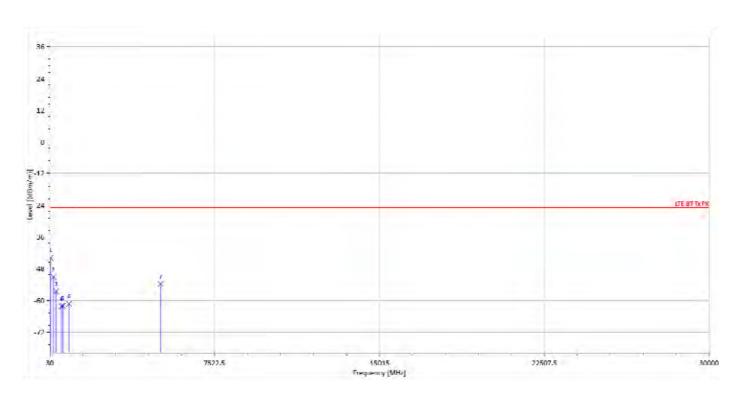
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LTE B7 10M QPSK RB

Operation Mode: 1.49 Test Date: 2017/9/27

Fundamental Frequency: 2535 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-53.86	-56.45	12.57	-9.98	-25	-28.86

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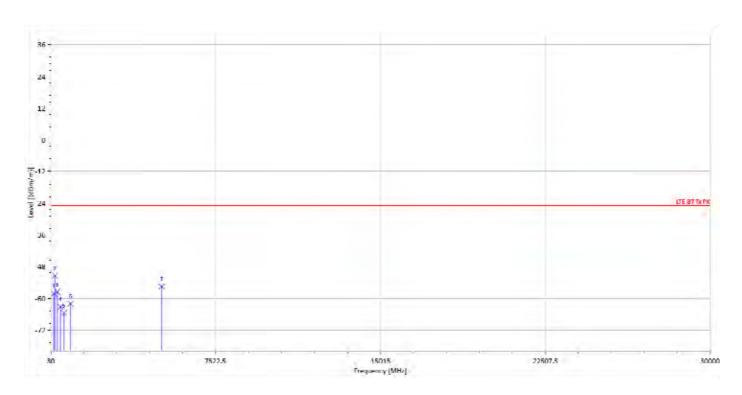
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LTE B7 10M QPSK RB

Operation Mode: 1.49 Test Date: 2017/9/27

Fundamental Frequency: 2535 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.63	-58.22	12.57	-9.98	-25	-30.63

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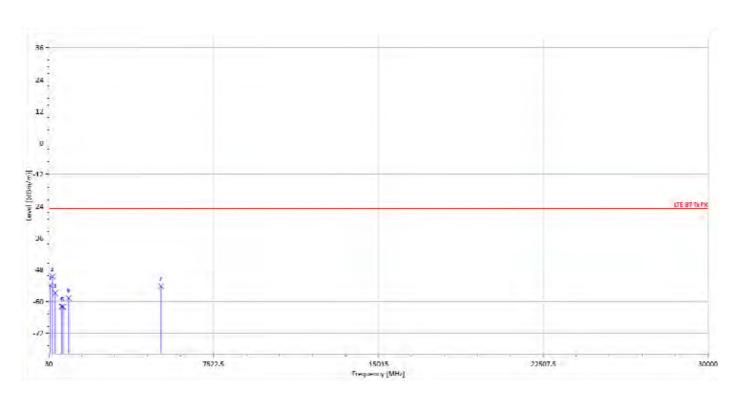
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LTE B7 10M QPSK RB

Operation Mode: 1.49 Test Date: 2017/9/27

Fundamental Frequency: 2565 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-54.35	-56.96	12.63	-10.02	-25	-29.35

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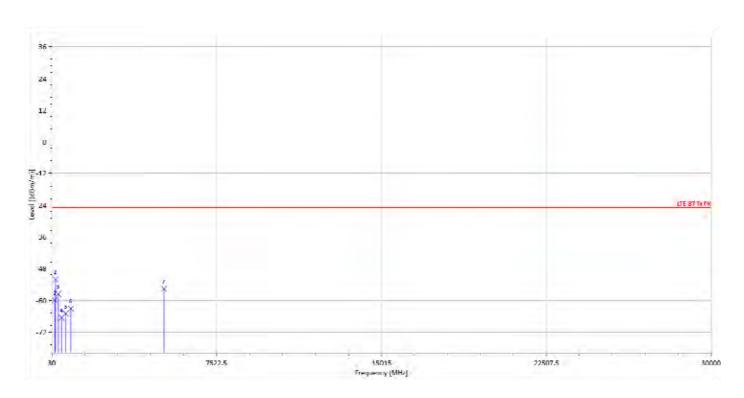
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LTE B7 10M QPSK RB

Operation Mode: 1.49 Test Date: 2017/9/27

Fundamental Frequency: 2565 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.77	-58.38	12.63	-10.02	-25	-30.77

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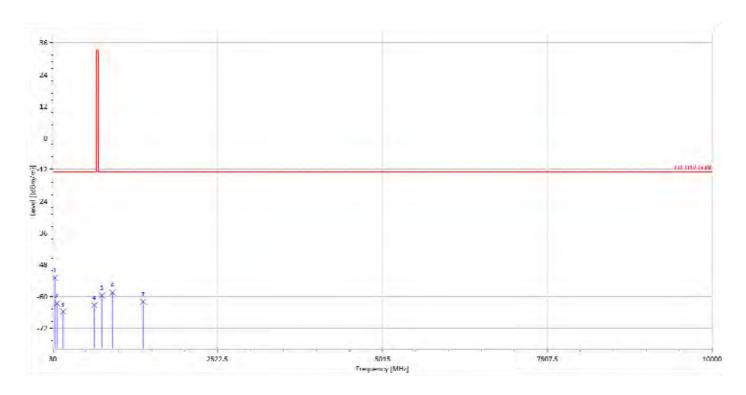
Radiated Spurious Emission Measurement Result: LTE-Band 12 (The Worst Case)

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-62.04	-61.60	5.47	-5.90	-13	-49.04

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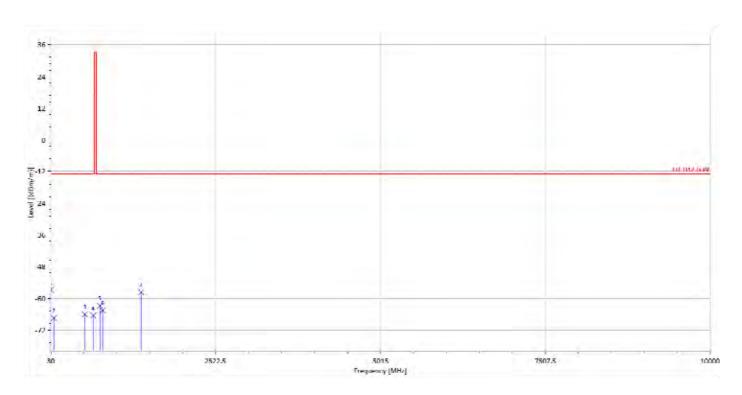
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LTEB12 1.4M 16QAM RB

Operation Mode: 1.5 Test Date: 2017/9/29

Fundamental Frequency: 699.7 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Low Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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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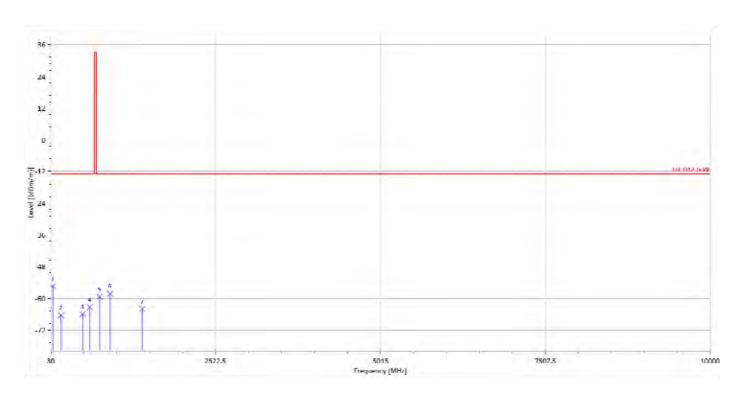
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LTEB12 1.4M 16QAM RB

Operation Mode: 1.5 Test Date: 2017/9/29

Fundamental Frequency: 707.5 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-64.01	-63.62	5.54	-5.93	-13	-51.01

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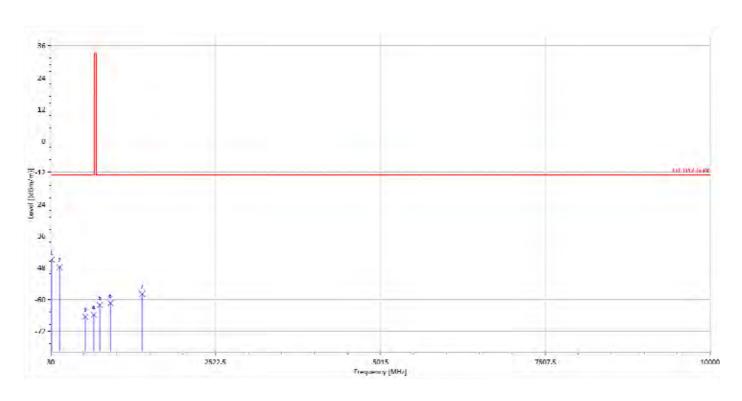
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LTEB12 1.4M 16QAM RB

Operation Mode: 1.5 Test Date: 2017/9/29

Fundamental Frequency: 707.5 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.96	-57.56	5.54	-5.93	-13	-44.96

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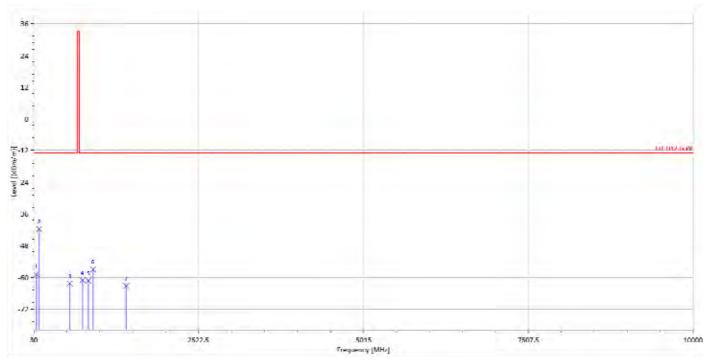
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LTEB12 1.4M 16QAM RB

Operation Mode: 1.5 Test Date: 2017/9/29

Fundamental Frequency: 715.3 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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-63.24	-62.88	5.62	<i>-</i> 5.97	-13	-50.24

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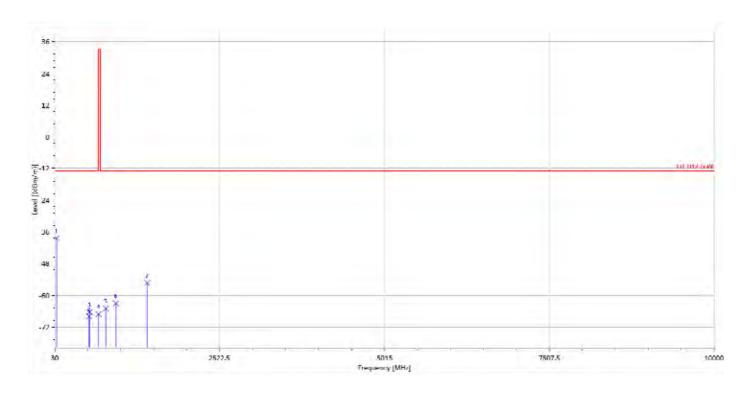
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LTEB12 1.4M 16QAM RB

Operation Mode: 1.5 Test Date: 2017/9/29

Fundamental Frequency: 715.3 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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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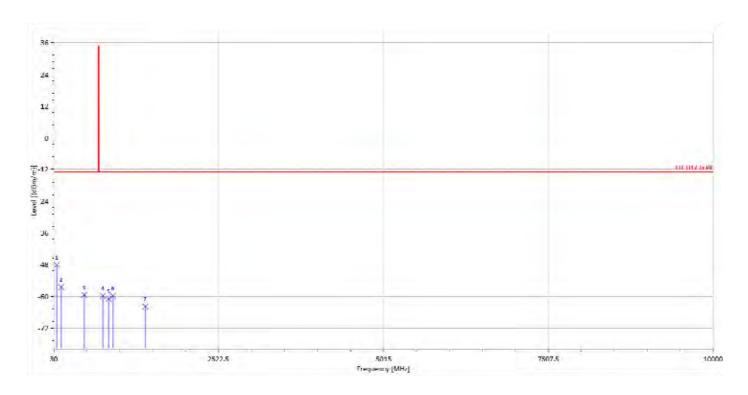
Radiated Spurious Emission Measurement Result: LTE-Band 17 (The Worst Case)

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 Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-63.89	-63.50	5.56	-5.94	-13	-50.89

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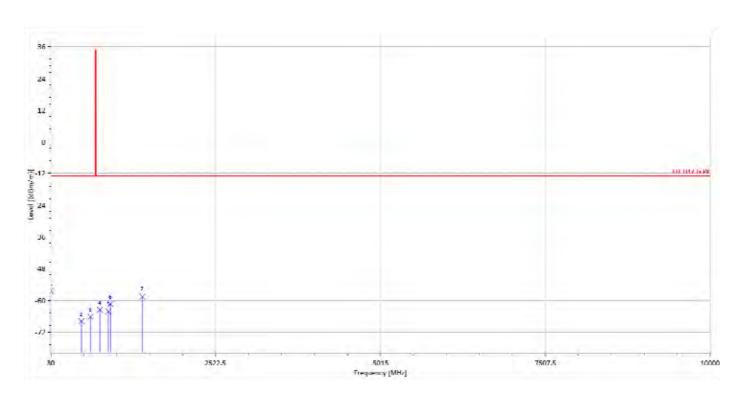
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LTEB17 10M 16QAM RB

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.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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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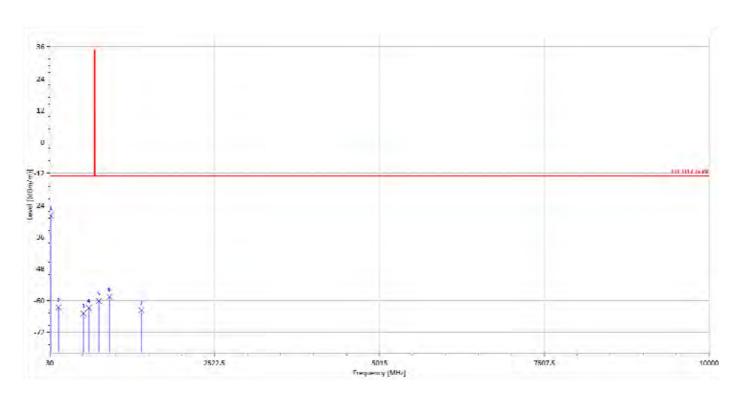
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LTEB17 10M 16QAM RB

Operation Mode: 1.49 Test Date: 2017/9/29

Fundamental Frequency: 710 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-63.72	-63.34	5.57	-5.95	-13	-50.72

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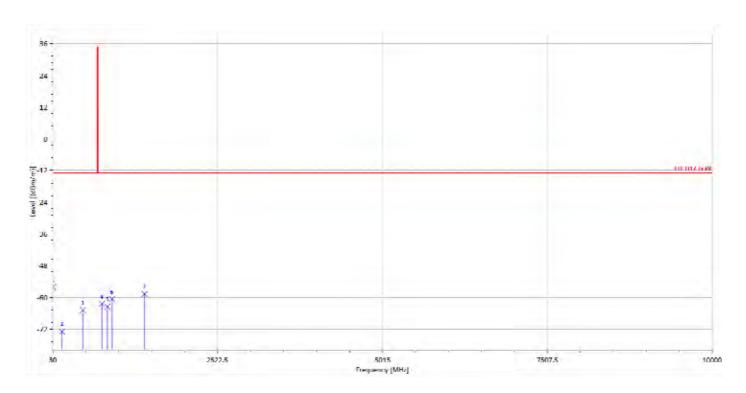
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LTEB17 10M 16QAM RB

Operation Mode: 1.49 Test Date: 2017/9/29

Fundamental Frequency: 710 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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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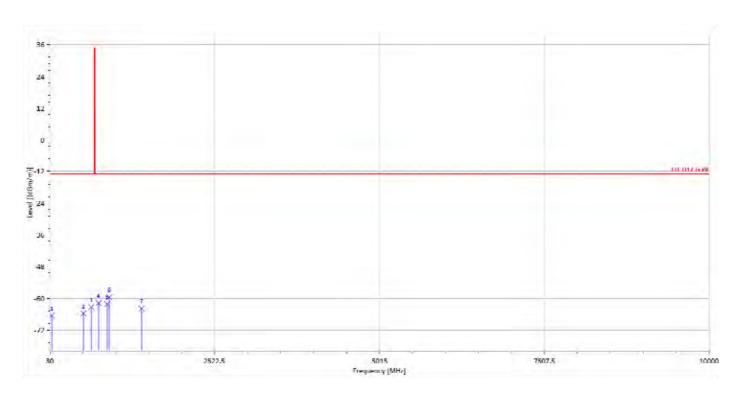
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LTEB17 10M 16QAM RB

Operation Mode: 1.49 Test Date: 2017/9/29

Fundamental Frequency: 711 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-63.91	-63.53	5.58	-5.95	-13	-50.91

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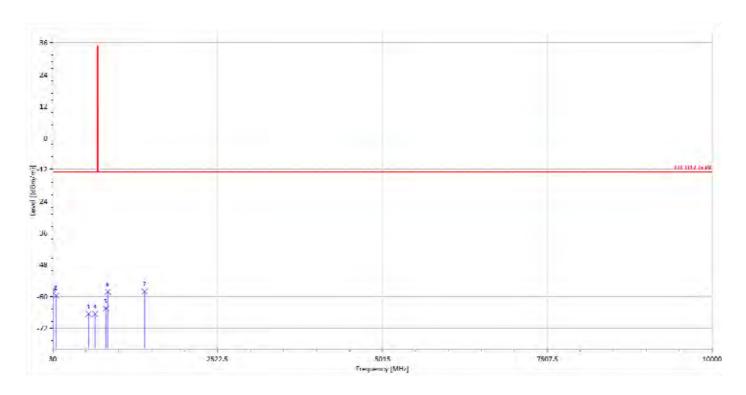
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LTEB17 10M 16QAM RB

Operation Mode: 1.49 Test Date: 2017/9/29

Fundamental Frequency: 711 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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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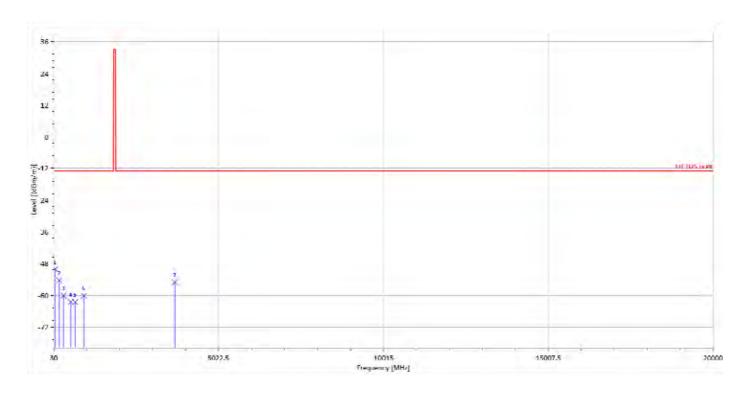
Radiated Spurious Emission Measurement Result: LTE-Band 25 (The Worst Case)

LTE B25 1.4M 16QAM

Operation Mode: **RB1.5** Test Date: 2017/9/28

Fundamental Frequency: 1850.7 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.10	-58.62	12.42	-8.90	-13	-42.10

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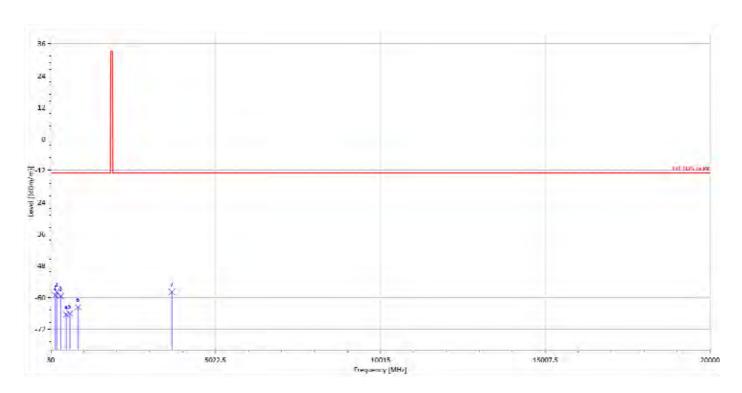
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LTE B25 1.4M 16QAM

Operation Mode: **RB1.5** Test Date: 2017/9/28

Fundamental Frequency: 1850.7 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Low Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-57.96	-61.48	12.42	-8.90	-13	-44.96

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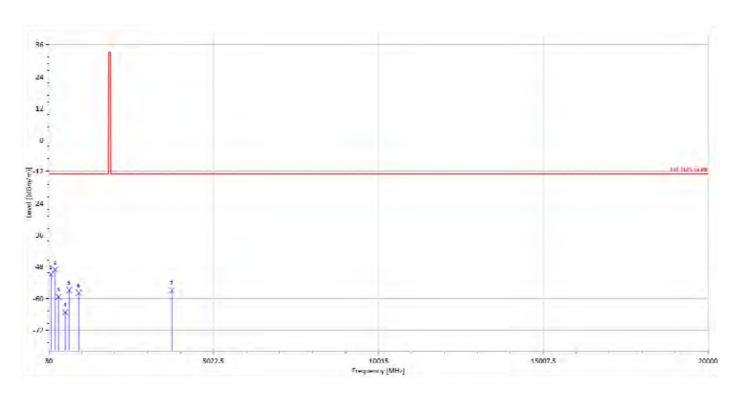
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LTE B25 1.4M 16QAM

Operation Mode: **RB1.5** Test Date: 2017/9/28

Fundamental Frequency: 1882.5 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-57.02	-60.54	12.46	-8.95	-13	-44.02

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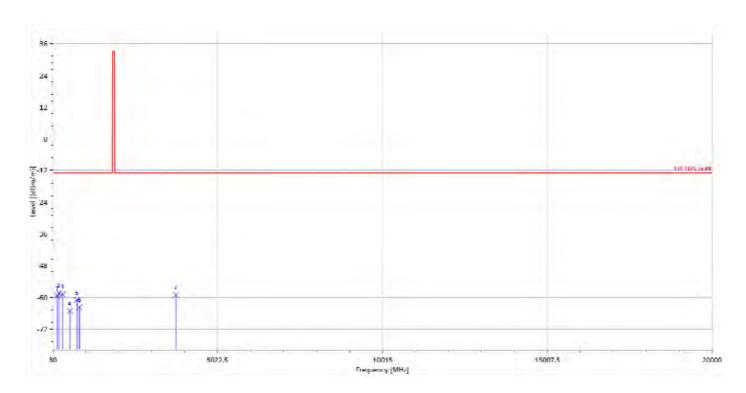
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LTE B25 1.4M 16QAM

Operation Mode: **RB1.5** Test Date: 2017/9/28

Fundamental Frequency: 1882.5 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-59.05	-62.56	12.46	-8.95	-13	-46.05

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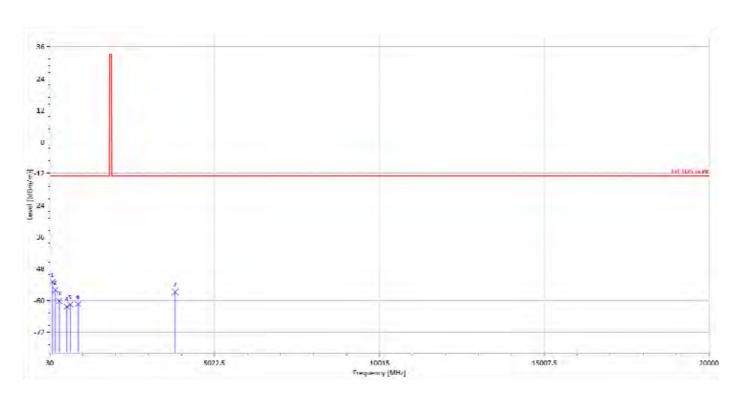
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LTE B25 1.4M 16QAM

Operation Mode: **RB1.5** Test Date: 2017/9/28

Fundamental Frequency: 1914.3 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-56.88	-60.39	12.50	-8.99	-13	-43.88

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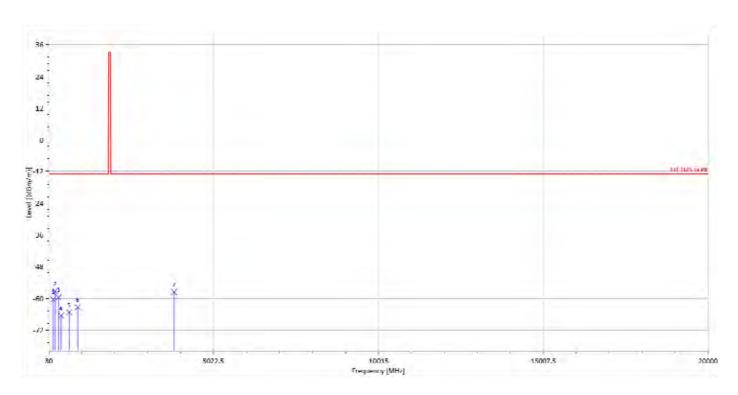
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LTE B25 1.4M 16QAM

Operation Mode: **RB1.5** Test Date: 2017/9/28

Fundamental Frequency: 1914.3 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-57.63	-61.14	12.50	-8.99	-13	-44.63

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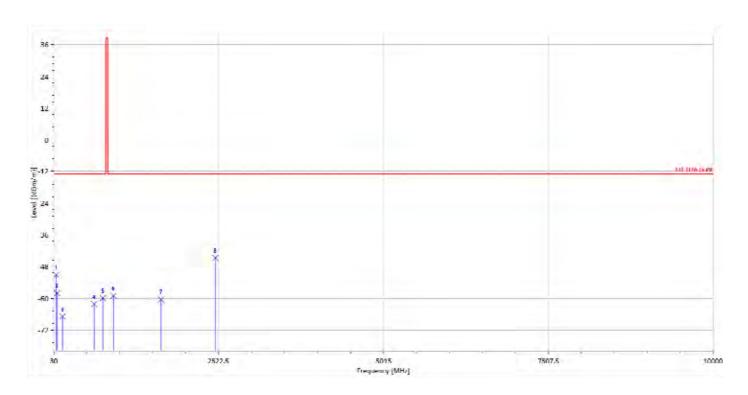
Radiated Spurious Emission Measurement Result: LTE-Band 26 (The Worst Case)

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-58.50	-58.71	6.76	-6.55	-13	-45.50
2542.50	Н	-58.52	-59.25	8.61	-7.88	-13	-45.52

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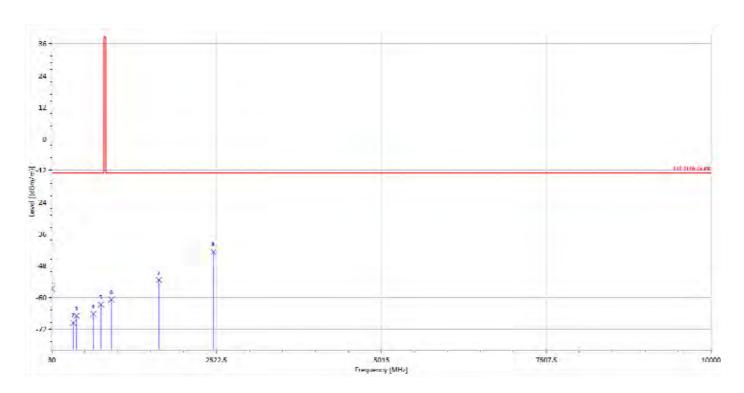
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LTEB26 3M QPSK RB

Operation Mode: 1.14 Test Date: 2017/9/29

Fundamental Frequency: 825.5 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-53.49	-53.61	6.57	-6.45	-13	-40.49
2476.50	Н	-42.87	-43.59	8.53	-7.80	-13	-29.87

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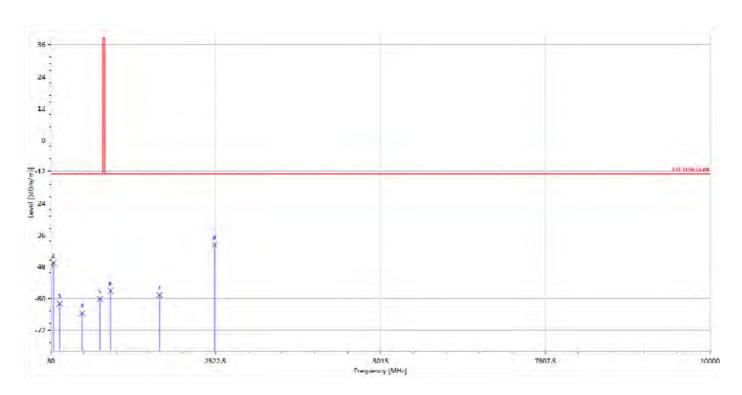
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LTEB26 3M QPSK RB

Operation Mode: 1.14 Test Date: 2017/9/29

Fundamental Frequency: 836.5 MHz Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: 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
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	Н	-58.76	-58.94	6.69	-6.51	-13	-45.76
2509.50	Н	-39.74	-40.46	8.56	-7.84	-13	-26.74

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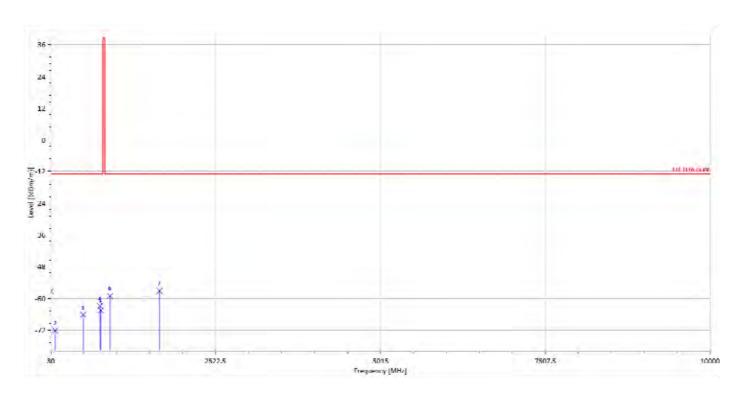
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LTEB26 3M QPSK RB

Operation Mode: 1.14 Test Date: 2017/9/29

836.5 MHz Fundamental Frequency: Temp. / Humi. : 22.7deg C/57RH

Tx CH Mid Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-57.20	-57.38	6.69	-6.51	-13	-44.20

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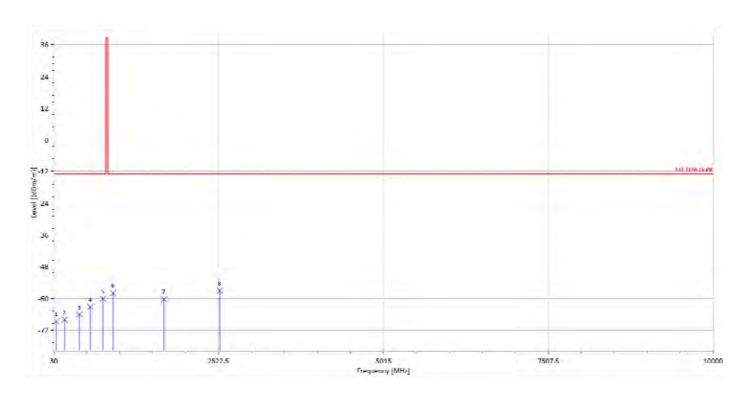
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LTEB26 3M QPSK RB

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. : 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
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	Н	-60.37	-60.59	6.76	-6.55	-13	-47.37
2542.50	Н	-57.14	-57.86	8.60	-7.87	-13	-44.14

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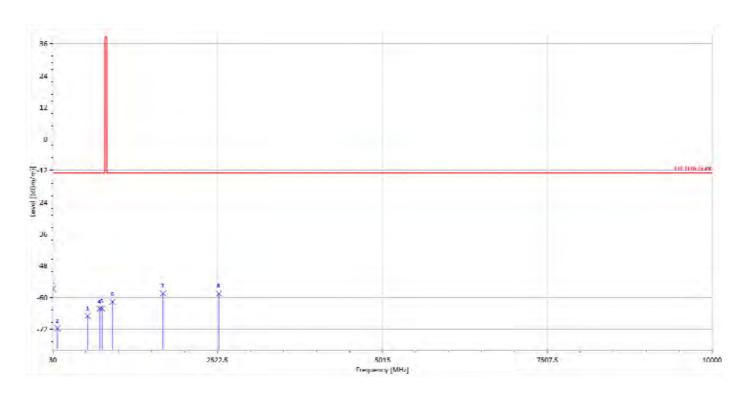
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LTEB26 3M QPSK RB

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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-58.50	-58.71	6.76	-6.55	-13	-45.50
2542.50	Н	-58.52	-59.25	8.61	-7.88	-13	-45.52

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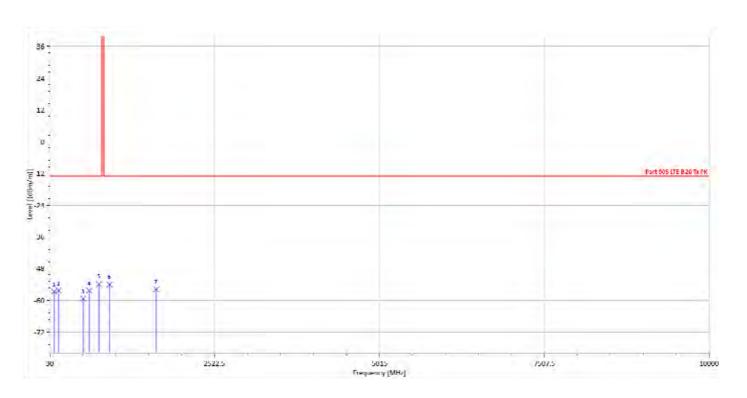
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Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S (The Worst Case)

Operation Mode: LTEB26 10M QPSK 1.49 Test Date: 2017/9/29

Temp. / Humi.: 819 MHz Fundamental Frequency: 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
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.81	-55.91	6.53	-6.43	-13	-42.81

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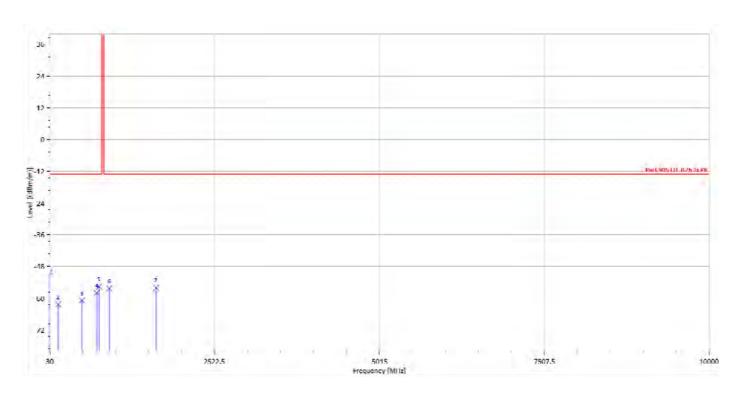


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LTEB26 10M QPSK 1.49 Test Date: Operation Mode: 2017/9/29

Fundamental Frequency: 819 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Mid Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-56.01	-56.11	6.53	-6.43	-13	-43.01

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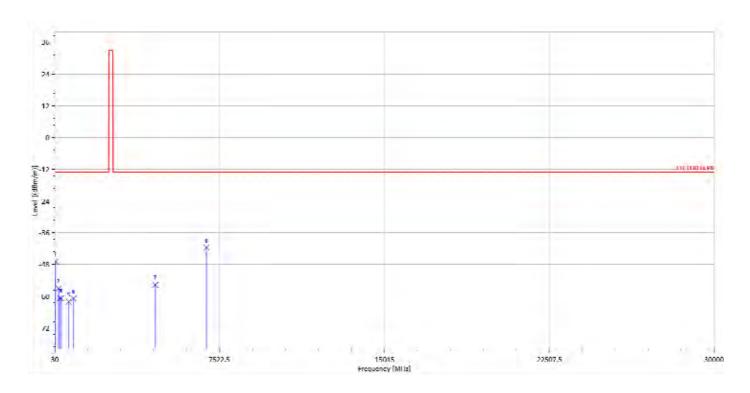
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Radiated Spurious Emission Measurement Result: LTE-Band 30 (The Worst Case)

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-55.59	-58.55	12.58	-9.61	-13	-42.59
6922.50	Н	-41.53	-42.36	12.05	-11.21	-13	-28.53

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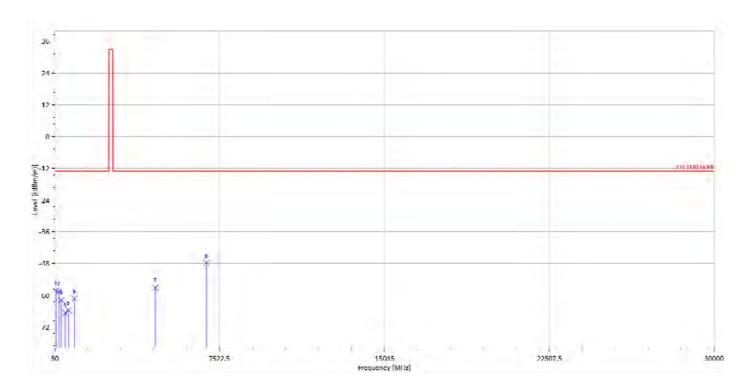


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LTE B30 5M 64QAM 1.0 Test Date: Operation Mode: 2017/9/28

Fundamental Frequency: 2307.5 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Low Operation Band: Test Engineer: Ashton EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	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	Н	-57.04	-60.01	12.58	-9.61	-13	-44.04
6922.50	Н	-47.80	-48.64	12.05	-11.21	-13	-34.80

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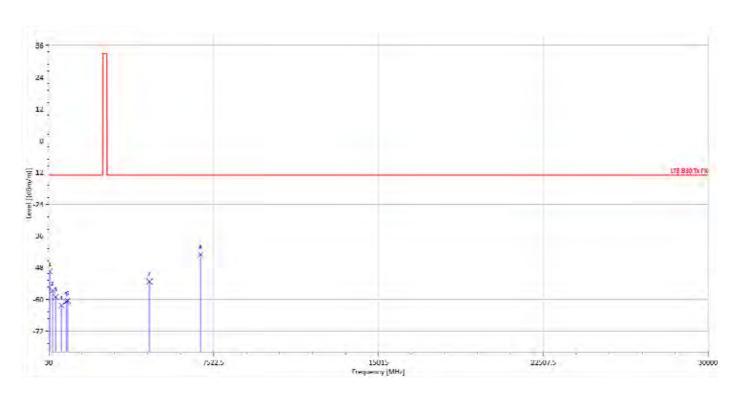


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Operation Mode: LTE B30 5M 64QAM 1.0 Test Date: 2017/9/28

Fundamental Frequency: 22.7deg_C/57RH 2310.0 MHz Temp. / Humi.:

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



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-53.22	-56.18	12.58	-9.61	-13	-40.22
6930.00	Н	-43.04	-43.86	12.04	-11.22	-13	-30.04

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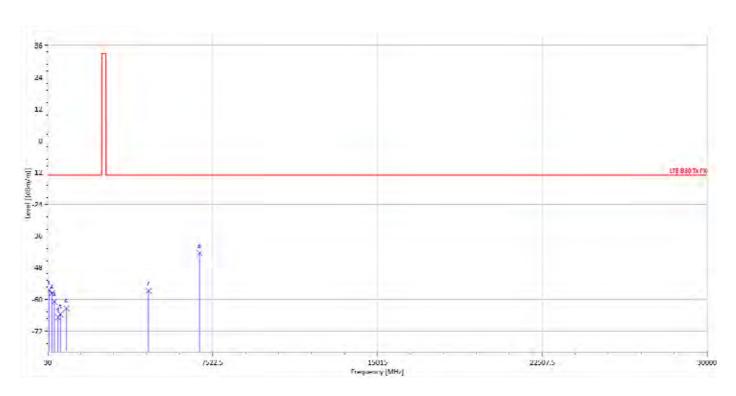


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Operation Mode: LTE B30 5M 64QAM 1.0 Test Date: 2017/9/28

Fundamental Frequency: 22.7deg_C/57RH 2310.0 MHz Temp. / Humi.:

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-56.74	-59.70	12.58	-9.61	-13	-43.74
6930.00	Н	-42.48	-43.31	12.04	-11.22	-13	-29.48

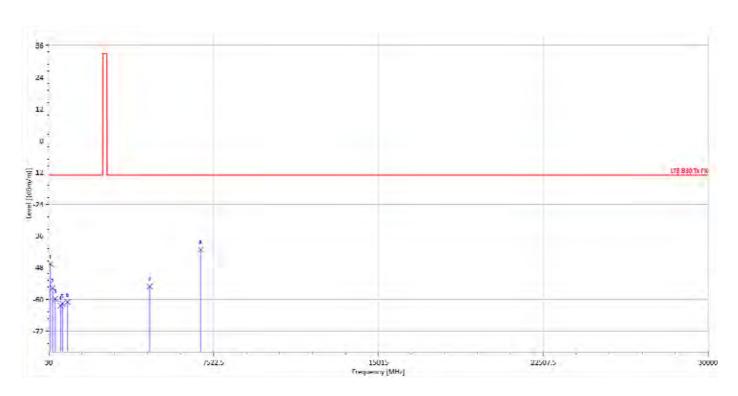


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Operation Mode: LTE B30 5M 64QAM 1.0 Test Date: 2017/9/28

Fundamental Frequency: 2312.5 MHz 22.7deg_C/57RH Temp. / Humi.:

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



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-55.08	-58.03	12.58	-9.62	-13	-42.08
6937.50	Н	-41.16	-41.98	12.04	-11.22	-13	-28.16

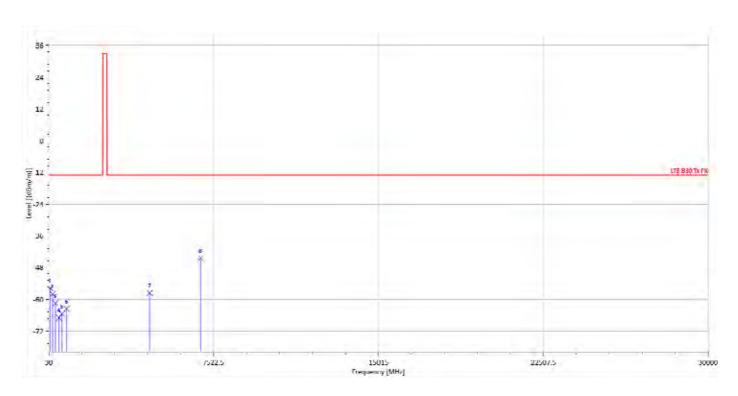


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Operation Mode: LTE B30 5M 64QAM 1.0 Test Date: 2017/9/28

Fundamental Frequency: 2312.5 MHz 22.7deg_C/57RH Temp. / Humi.:

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-57.57	-60.53	12.58	-9.62	-13	-44.57
6937.50	Н	-44.44	-45.26	12.04	-11.22	-13	-31.44

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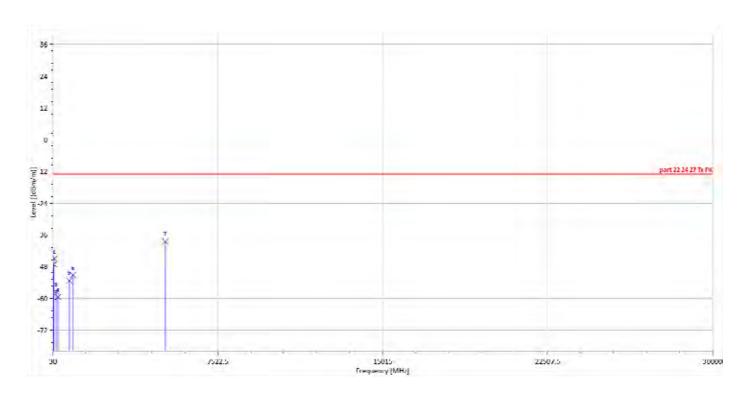
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Radiated Spurious Emission Measurement Result: LTE-Band 38 (The Worst Case)

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.: 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	-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	Н	-38.54	-41.15	12.65	-10.03	-13.01	-25.53

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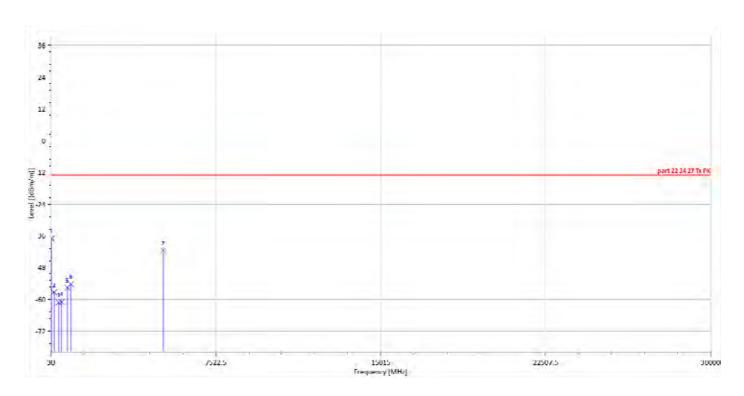


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Operation Mode: LTEB38 5M QPSK 1.0 Test Date: 2017/9/29

Fundamental Frequency: 2572.5 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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	Н	-41.51	-44.12	12.65	-10.03	-13.01	-28.50

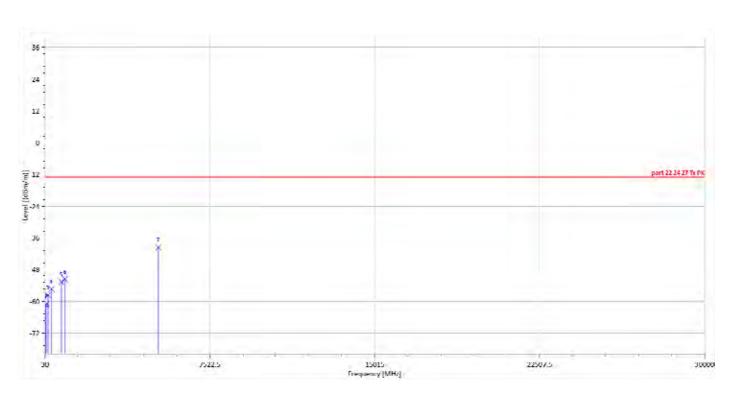


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Operation Mode: LTEB38 5M QPSK 1.0 Test Date: 2017/9/29

Fundamental Frequency: 2595.0 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Mid Test Engineer: Enzo EUT Pol.: 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
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	Н	-39.53	-42.16	12.69	-10.06	-13.01	-26.52

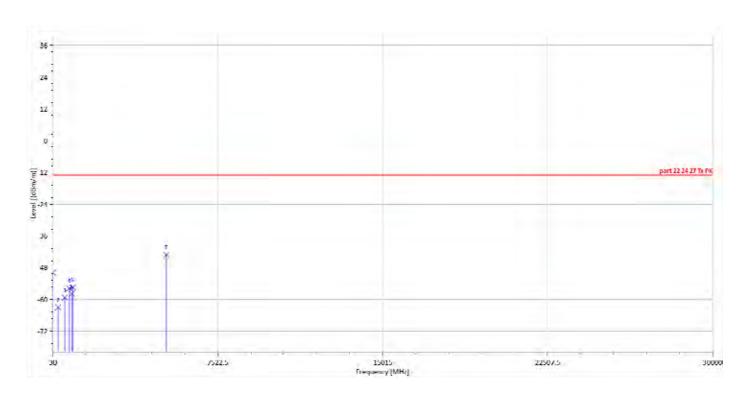


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Operation Mode: LTEB38 5M QPSK 1.0 Test Date: 2017/9/29

Fundamental Frequency: 2595.0 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Mid Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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

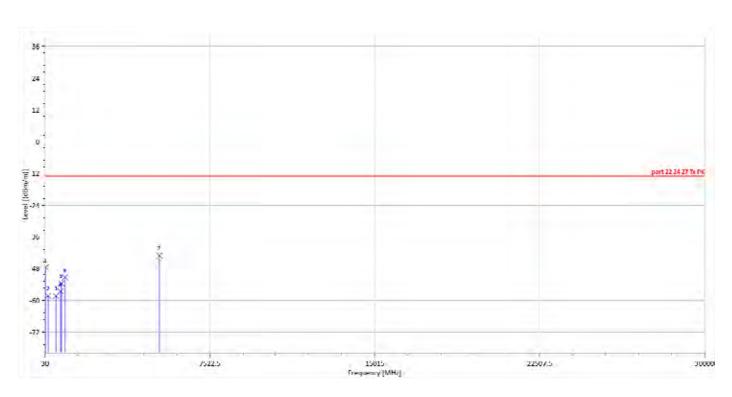


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Operation Mode: LTEB38 5M QPSK 1.0 Test Date: 2017/9/29

Fundamental Frequency: 2617.5 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH High Operation Band: Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	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

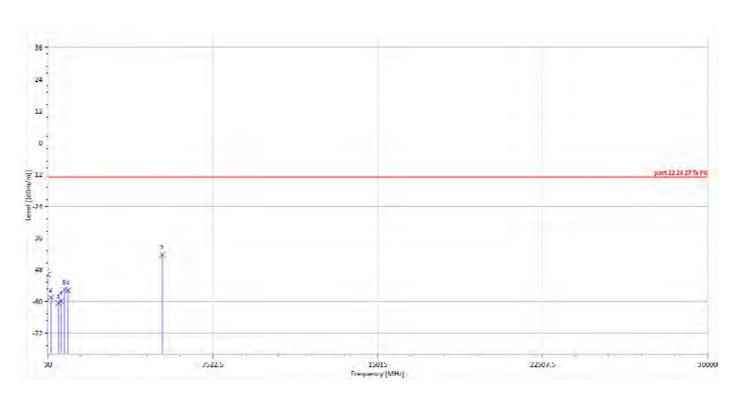


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Operation Mode: LTEB38 5M QPSK 1.0 Test Date: 2017/9/29

Fundamental Frequency: 2617.5 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH High Test Engineer: Enzo EUT Pol.: 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
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	Н	-42.30	-44.94	12.74	-10.09	-13.01	-29.29



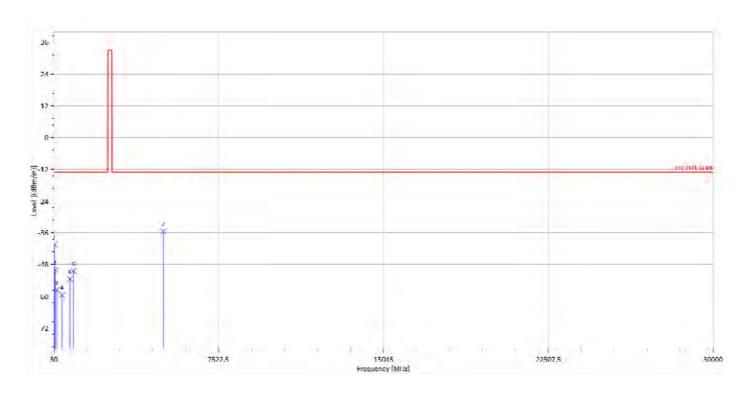
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Radiated Spurious Emission Measurement Result: LTE-Band 41(The Worst Case)

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-35.54	-38.12	12.51	-9.93	-13	-22.54

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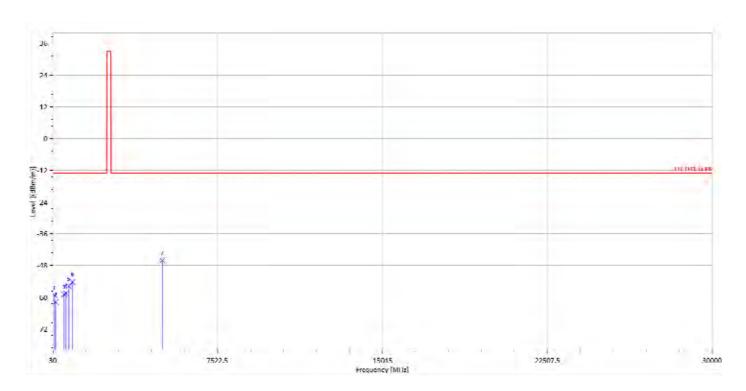


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LTEB41 20M QPSK 1.0 Test Date: Operation Mode: 2017/9/29

Fundamental Frequency: 2506 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Low Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-46.06	-48.65	12.51	-9.93	-13	-33.06

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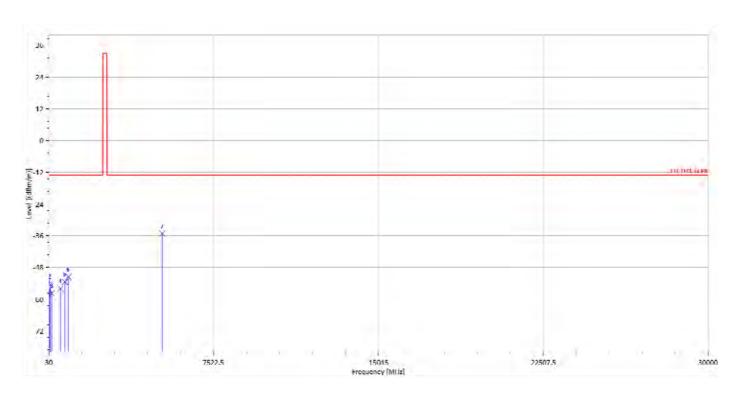


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LTEB41 20M QPSK 1.0 Test Date: Operation Mode: 2017/9/29

Fundamental Frequency: 2593 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Mid Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-35.20	-37.82	12.69	-10.06	-13	-22.20

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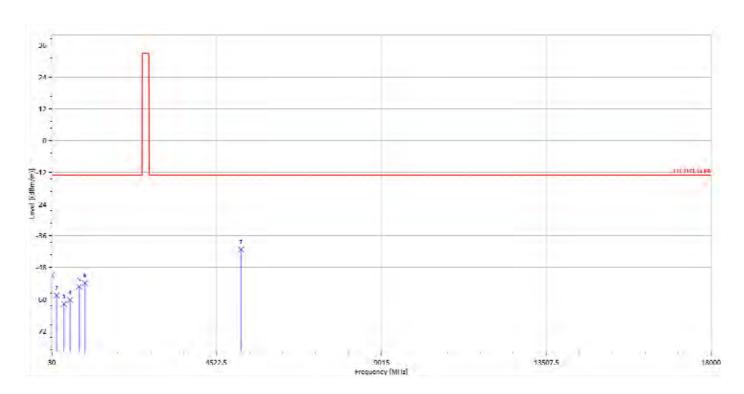


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LTEB41 20M QPSK 1.0 Test Date: Operation Mode: 2017/9/29

Fundamental Frequency: 2593 MHz Temp. / Humi. : 22.7deg_C/57RH

Tx CH Mid Operation Band: Test Engineer: Enzo EUT Pol.: E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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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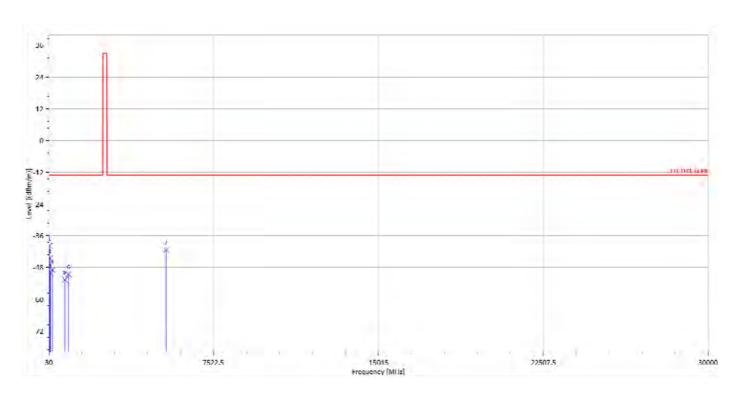


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LTEB41 20M QPSK 1.0 Test Date: Operation Mode: 2017/9/29

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	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
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	Н	-41.31	-43.98	12.86	-10.18	-13	-28.31

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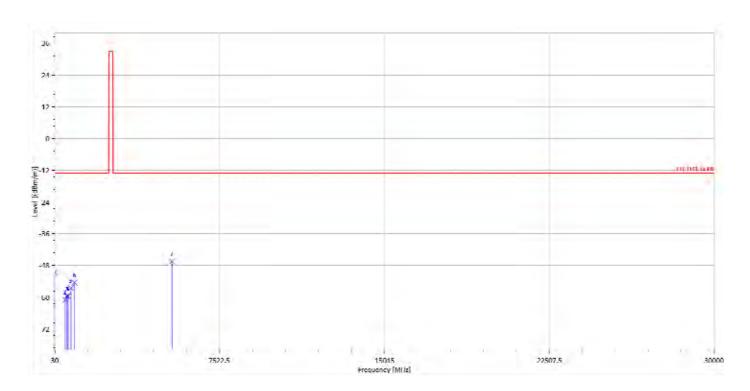


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LTEB41 20M QPSK 1.0 Test Date: Operation Mode: 2017/9/29

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.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
			Level	Gain	Loss	@3m	
MHz	F/H/E/S	dBm	dBm	dBd/dBi	dB	dBm/m	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	Н	-46.46	-49.13	12.86	-10.18	-13	-33.46

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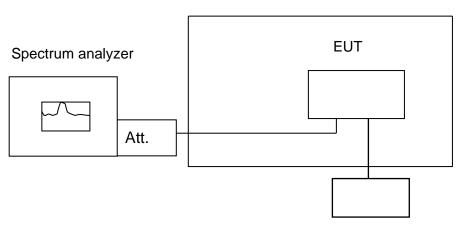
FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicabl

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

11.2. Test Set-up

Temperature Chamber



Variable DC Power Supply

Note: Measurement setup for testing on Antenna connector

11.3. Measurement Procedure

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

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

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

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11.4. Measurement Equipment Used

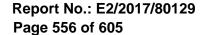
······································									
Conducted Emission (measured at antenna port) Test Site									
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018				
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018				
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017				
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018				
DC Block	PASTERNACK	PE8210	RF29	12/12/2016	12/11/2017				
Splitter	RF-LAMBAD	RFLT2W1G1 8G	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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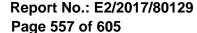




11.5. Measurement Result

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz						
	Limit: -	+/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)		
Vdc	Temp. ()	(MHz)	Della (HZ)	LIIIII (HZ)		
F	REQUENCY EI	RROR vs. VOL	TAGE			
4.42	20	836600009	17	2091		
3.85	20	836599992	-3	2091		
3.4	20	836599995	8	2091		
3.3	20	836599987	-5	2091		
(End point)	20	030377707	-3	2071		
	FREQUENCY	ERROR vs. Te	emp.			
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)	Della (FIZ)	LIIIII (IIZ)				
F	REQUENCY EI	RROR vs. VOI	_TAGE					
4.42	20	1879999998	6	4700				
3.85	20	1879999992	-10	4700				
3.4	20	1880000002	11	4700				
3.3	20	1879999991	-5	4700				
(End point)	20	10/7777771	-5	4700				
	FREQUENCY	ERROR vs. Te	emp.					
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				



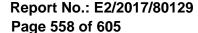


Reference Frequency: WCDMA II Mid Channel 1880 MHz Limit: +/- 2.5 ppm **Power Supply** Environment Frequency Delta (Hz) Limit (Hz) Vdc (MHz) Temp. (FREQUENCY ERROR vs. VOLTAGE 1879999997 4.42 20 -12 4700 20 25 4700 3.85 1880000009 3.4 20 1879999984 -24 4700 3.3 20 1880000008 2 4700 (End point) FREQUENCY ERROR vs. Temp. Reference Frequency: WCDMA II Mid Channel 1880 Limit: +/- 2.5 ppm Power Supply Environment Frequency Delta (Hz) Limit (Hz) Vdc (MHz) Temp. (3.85 50 1879999991 -13 4700 40 11 4700 3.85 1880000004 30 187999993 3.85 -6 4700 -7 3.85 20 1879999999 4700 10 3.85 10 4700 1880000006 3.85 0 1879999996 4700 -6 3.85 -10 1880000002 -6 4700 3.85 -20 1880000008 13 4700 3.85 -30 1879999995 4700

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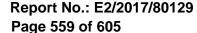
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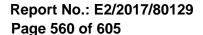


Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz								
	Limit: +/- 2.5 ppm							
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)				
Vdc	Temp. ()	(MHz)	Della (FIZ)	LIIIII (I IZ)				
F	FREQUENCY ERROR vs. VOLTAGE							
4.42	20	173260005	12	4331				
3.85	20	173259993	-5	4331				
3.4	20	173259998	-4	4331				
3.3	20	173260002	-5	4331				
(End point)	20	173200002	-0	4331				
	FREQUENCY ERROR vs. Temp.							
Reference Fr	Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz							
	Limit: -	+/- 2.5 ppm						
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)				
Vdc	Temp. ()	(MHz)	Della (FIZ)	LIIIII (112)				
3.85	50	173259991	-11	4331				
3.85	40	173260002	-4	4331				
0		30 173260006 20						
3.85	30	173260006	20	4331				
3.85 3.85	30 20	173260006 173259986	20	4331 4331				
3.85	20	173259986	2	4331				
3.85 3.85	20 10	173259986 173259984	2 -23	4331 4331				
3.85 3.85 3.85	20 10 0	173259986 173259984 173260007	2 -23 -1	4331 4331 4331				





Reference Frequency: WCDMA V Mid Channel 836.6 MHz							
Limit: +/- 2.5 ppm							
Power Supply	Environment	Environment Frequency		Limit (Hz)			
Vdc	Temp. ()	(MHz)	Delta (Hz)	LIIIII (I IZ)			
F	FREQUENCY ERROR vs. VOLTAGE						
4.42	20	836599986	-26	2091			
3.85	20	836600012	8	2091			
3.4	20	836600004	8	2091			
3.3	20	836599996	-1	2091			
(End point)	20	030399990	-	2091			
	FREQUENCY ERROR vs. Temp.						
Reference F	Reference Frequency: WCDMA V Mid Channel 836.6 MHz						
	Limit: -	+/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)			
Vdc	Temp. ()	(MHz)	Della (FIZ)	LIIIII (I IZ)			
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			

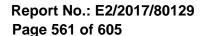




Reference Freq.:	LTE B2 Mid Channel		1880	MHz 20M QPSK CH 18900
Power Supply Vdc	Temp.	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
	Fre	q. ERROR vs. V	OLTAG	E
4.42	25	1880.000006	24	4700
3.85	25	1879.999982	0	4700
3.4	25	1880	18	4700
3.3 (End Point)	25	1880	18	4700
	F	req. ERROR vs.	Temp.	
3.85	-30	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	1880.00001	-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.	VOLTAG	E
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
	Fred	ą. ERROR v	s. 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

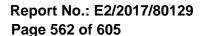
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Reference Freq.:		LTE B5 Mid Channel		MHz 10M QPSK CH 20525
Power Supply Vdc	Temp.	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
	Fre	eq. ERROR vs. V	OLTAG	E
4.42	25	836.499991	14	2091
3.85	25	836.499977	0	2091
3.4	25	836.499994	17	2091
3.3 (End Point)	25	836.5	23	2091
	F	req. 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

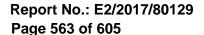
Reference Freq.:	LTE B7 Mid Channel		2535	MHz 10M QPSK CH 21100				
Power Supply Vdc	Temp.	emp. Freq. (MHz)		Limit = +/- 2.5 ppm (Hz)				
	Freq. ERROR vs. VOLTAGE							
4.42	25	2535	-7	6338				
3.85	25	2535	0	6338				
3.4	25	2535	-37	6338				
3.3 (End Point)	7h 7		-13	6338				
	Freq. ERROR vs. Temp.							
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				





Reference Freq.:		E 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			
	F	req. 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			

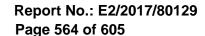
Reference Freq.:	LTE B17 Mid Channel		710	MHz 10M QPSK CH 23790				
Power Supply Vdc	Temp.	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)				
	Freq. ERROR vs. VOLTAGE							
4.42	25	710.00001	-12	1775				
3.85	25	710.00002	0	1775				
3.4	25	710	-21	1775				
3.3 (End Point)	25	710 -22		1775				
Freq.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





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		
	F	req. 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		

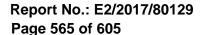
Reference Freq.:	LTE B26 Mid Channel		836.5	MHz 15M QPSK CH 26915			
Power Supply Vdc	Temp.	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)			
	Freq. ERROR vs. VOLTAGE						
4.42	25	836.499987	-10	2091			
3.85	25	836.499997	0	2091			
3.4	25	836.500023	26	2091			
3.3 (End Point)	25	836.5	3	2091			
	F	req. 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			





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. I	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)	/h		-6	2048
	Free	q. ERROR v	s. 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.	Temp. Freq. (MHz)		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				
	Fred	ą. ERROR v	s. 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				





Reference Freq.:	LTE B38 Mid Channel Temp. Freq. () (MHz)		2595	MHz 10M QPSK CH 38000					
Power Supply Vdc			Delta (Hz)	Limit = +/- 2.5 ppm (Hz)					
	Freq. ERROR vs. VOLTAGE								
4.42	25	2595	-18	6488					
3.85	25	2595	0	6488					
3.4	25	2595	-14	6488					
3.3 (End Point)	/h		-20	6488					
	Fred	ą. ERROR v	s. 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 Channel	2605	MHz 10M QPSK CH 40740
Power Supply Vdc	Temp.	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
	Fre	eq. ERROR vs. V	OLTAGI	E
4.42	25	2605.000017	3	6488
3.85	25	2605.000014	0	6488
3.4	25	2604.999991	-23	6488
3.3 (End Point)	25	2605	-14	6488
	F	req. 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	2605.00002	1	6488



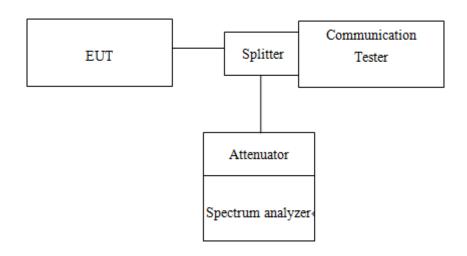
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12. **PEAK TO AVERAGE RATIO**

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 ≥ signal's occupied bandwidth; & internal =1ms
- Set the number of counts to a value that stabilizes the measured CCDF curve.

12.4. **Measurement Equipment Used**

Conduc	Conducted Emission (measured at antenna port) Test Site								
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
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	00100A1F1A 195C	RF01	12/12/2016	12/11/2017				
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018				
DC Block	PASTERNACK	PE8210	RF29	12/12/2016	12/11/2017				
Splitter	RF-LAMBAD	RFLT2W1G1 8G	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				

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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12.5. **Measurement Result**

Tabular Results:

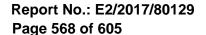
Eroa		Peak-to-A	verage Ra	tio (dB)
Freq. (MHz)	СН	GSM	GPRS	EDGE
(1711 12)		850	850	850
824.2	128	9.73	9.35	7.55
836.6	190	9.65	7.86	8.48
848.8	251	9.29	10.79	9.3

Freq.		Peak-to-Average Ratio (dB)			
(MHz)	CH	WCDMA	HSDPA	HSUPA	
(IVII IZ)		II	II	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)		Peak-to-Average Ratio (dB)				
	СН	GSM	GPRS	EDGE		
(IVII IZ)		1900	1900	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.		Peak-to-Average Ratio (dB)				
(MHz)	CH	WCDMA	HSDPA	HSUPA		
(171112)		IV	IV	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		

Erog	СН	Peak-to-Average Ratio (dB)				
Freq. (MHz)		WCDMA	HSDPA	HSUPA		
(IVII IZ)		V	V	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		





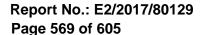
LTE BAND 2											
Cha	Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz						
Freq.	СН	Peak-to- Ra	J	Freq.	СН	Peak-to-Average Ratio					
(MHz)		64QAM	Limit	(MHz)		64QAM	Limit				
1850.7	18607	6.22	13	1851.5	18615	6.05	13				
1880.0	18900	6.11	13	1880.0	18900	6.04	13				
1909.3	19193	5.96	13	1908.5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

	LTE BAND 2										
Ch	Channel bandwidth: 5MHz				Channel bandwidth: 10MHz						
Freq.	СН	CH RAIIO I		Freq.	СН	Peak-to-Average Ratio					
(MHz)		64QAM	Limit	(MHz)		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										
Cha	annel band	lwidth: 15N	1Hz	Channel bandwidth: 20MHz							
Freq.	СН	Peak-to-Average CH Ratio		Freq.	СН	Peak-to-Average Ratio					
(MHz)		64QAM	Limit	(MHz)		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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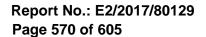




	LTE BAND 4										
Cha	annel band	width: 1.4N	ЛHz	Channel bandwidth: 3MHz							
Freq.	СН	Peak-to- Ra	io Freq. CH		СН	Peak-to- Ra	3				
(MHz)		64QAM	Limit	(MHz)		64QAM	Limit				
1710.7	19957	6.12	13	1711.5	19965	6.04	13				
1732.5	20175	6.02	13	1732.5	20175	6.04	13				
1732.3	20175	0.02	13	1732.3	20173	0.04	13				

	LTE BAND 4										
Ch	Channel bandwidth: 5MHz				annel band	lwidth: 10N	/lHz				
Freq.	СН	Rallo		Freq.	СН	Peak-to-Average Ratio					
(MHz)		64QAM	Limit	(MHz)		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										
Cha	annel band	lwidth: 15N	1Hz	Channel bandwidth: 20MHz							
Freq.	СН	Peak-to-	0	Freq.	CH	Peak-to-	3				
(MHz)		Ra		(MHz)	СН	Ratio					
(171112)		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				





	LTE BAND 5										
Cha	nnel ban	dwidth: 1.4l	ИНz	Ch	Channel bandwidth: 3MHz						
Freq. (MHz)	СН	Peak-to-A Raf (dl	tio	Freq. (MHz)	СН	Peak-to- Ra (d	tio				
		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				

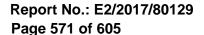
	LTE BAND 5										
Ch	annel bar	ndwidth: 5N	lHz	Cha	Channel bandwidth: 10MHz						
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	Peak-to-Average Ratio (dB)					
. ,		64QAM	Limit	` '		64QAM	Limit				
826.5	20425	6.05	13	829.0	20450	6.04	13				
836.5	20525	6.05	13	836.5	20525	6.04	13				
846.5	20625	5.97	13	844.0	20600	6.03	13				

	LTE BAND 7										
Ch	annel bar	ndwidth: 5N	lHz	Cha	Channel bandwidth: 10MHz						
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	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										
Cha	annel ban	dwidth: 15N	ЛHz	Channel bandwidth: 20MHz							
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	Peak-to-Average Ratio (dB)					
(2)		64QAM	Limit	(12)		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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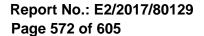
	LTE BAND 12											
Cha	annel band	width: 1.4N	ЛHz	Ch	annel band	dwidth: 3M	Hz					
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	Peak-to-Average Ratio (dB)						
		64QAM	Limit			64QAM	Limit					
699.7	23017	5.77	13	700.5	23025	5.92	13					
707.5	23095	6.20	13	707.5	23095	6.05	13					
715.3	23173	6.11	13	714.5	23165	6.07	13					

	LTE BAND 12										
Ch	annel ban	dwidth: 5M	Hz	Cha	annel band	lwidth: 10N	1Hz				
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	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										
Ch	annel ban	dwidth: 5M	Hz	Cha	annel band	lwidth: 10N	/lHz				
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	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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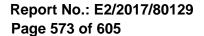
	LTE BAND 25											
Ch	annel band	width: 1.4M	Hz	С	hannel band	dwidth: 3MF	łz					
Freq.	СН	Peak-to-Average Ratio (dB)		Freq.	СН		Average (dB)					
(MHz)		64QAM	LIMIT	(MHz)		64QAM	LIMIT					
1850.7	26047	6.02	13	1851.5	26055	6.05	13					
1882.5	26365	6.09	13	1882.5	26365	6.02	13					
1914.3	26683	6.03	13	1913.5	26675	6.06	13					

	LTE BAND 25										
С	hannel band	dwidth: 5MF	łz	Cł	nannel band	lwidth: 10Ml	Hz				
Freq.	СН	Peak-to-Average Ratio (dB)		Freq.	СН	Peak-to- Ratio	Average (dB)				
(MHz)		64QAM	LIMIT	(MHz)		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 B/	AND 25			
Cł	nannel band	lwidth: 15M	Hz	Cł	nannel band	lwidth: 20MI	Hz
Freq.	СН	Peak-to-Average Ratio (dB)		Freq.	СН		Average (dB)
(MHz)		64QAM	LIMIT	(MHz)		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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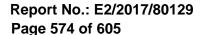




	LTE BAND 26											
Ch	annel band	width: 1.4M	Hz	С	hannel band	dwidth: 3MF	łz					
Freq.	СН	Peak-to-Average Ratio (dB)		Freq.	СН		Average (dB)					
(MHz)		64QAM	LIMIT	(MHz)		64QAM	LIMIT					
814.7	26697	5.89	13	815.5	26705	6.08	13					
831.5	26865	6.10	13	831.5	26865	6.09	13					
848.3	27033	5.68	13	847.5	27025	5.81	13					

			LTE B/	AND 26			
С	hannel ban	dwidth: 5MF	łz	Cł	nannel band	lwidth: 10M	Hz
Freq.	СН	Peak-to-Average Ratio (dB)		Freq.	СН		Average (dB)
(MHz)		64QAM	LIMIT	(MHz)		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								
Cł	Channel bandwidth: 15MHz								
Freq. Peak-to-Average Ratio (dB)									
(MHz)		64QAM	LIMIT						
822.5	26825	6.32	13						
831.5	26865	6.50	13						
841.5	26965	6.32	13						





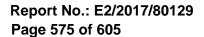
	LTE BAND 26 for part 90S											
Cha	annel band	width: 1.4N	ЛHz	Ch	Channel bandwidth: 3MHz							
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	Peak-to-Average Ratio (dB)						
		64QAM	Limit			64QAM	Limit					
814.7	26697	6.64	13	815.5	26705	6.48	13					
819	26740	6.49	13	819	26740	6.41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

	LTE BAND 26 for part 90S										
Ch	annel band	dwidth: 5M	Hz	Channel bandwidth: 10MHz							
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	· I (H I		tio				
. ,		64QAM	Limit			64QAM	Limit				
816.5	26715	6.54	13								
819	26740	6.50	13	819.0	26740	6.43	13				
821.5	26765	6.52	13								

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

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LTE BAND 38									
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz					
	СН		Peak-to-Average		СН	Peak-to-Average			
Freq. (MHz)		Ratio (dB)		Freq. (MHz)		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									
Cha	annel band	lwidth: 15N	/lHz	Channel bandwidth: 20MHz					
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	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)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	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									
Cha	annel band	lwidth: 15N	/lHz	Channel bandwidth: 20MHz					
Freq. (MHz)	СН	Peak-to-Average Ratio (dB)		Freq. (MHz)	СН	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:

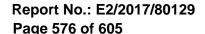
Please refer to next page.

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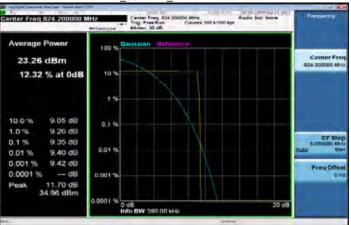




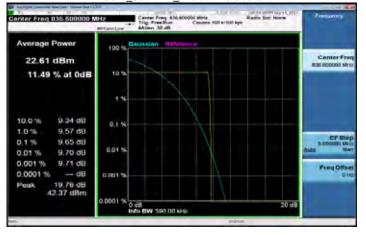
GSM_850MHz_LowCH128-824.2



GPRS_850MHz_LowCH128-824.2



GSM_850MHz_MidCH190-836.6



GPRS_850MHz_MidCH190-836.6



GSM_850MHz_HighCH251-848.8

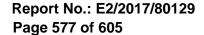


GPRS_850MHz_HighCH251-848.8



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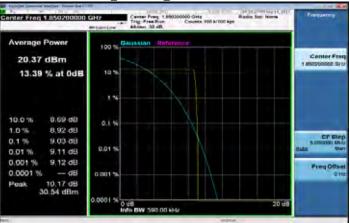




EDGE_850MHz_LowCH128-824.2



GSM 1900MHz LowCH512-1850.2



EDGE_850MHz_MidCH190-836.6



GSM_1900MHz_MidCH661-1880



EDGE_850MHz_HighCH251-848.8



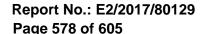




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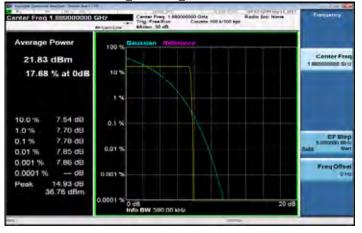
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EDGE_1900MHz_LowCH512-1850.2



GPRS_1900MHz_MidCH661-1880



EDGE_1900MHz_MidCH661-1880



GPRS_1900MHz_HighCH810-1909.8



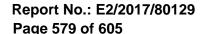
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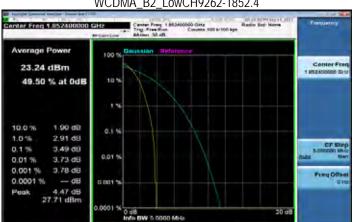
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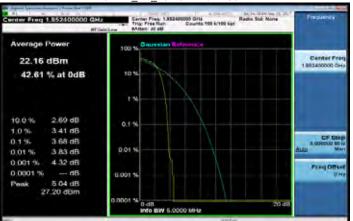




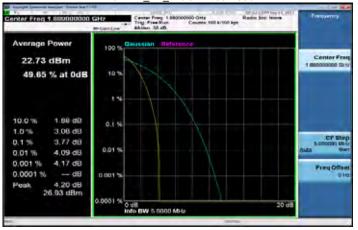
WCDMA_B2_LowCH9262-1852.4



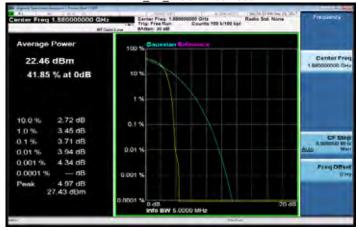
HSDPA_B2_LowCH9262-1852.4



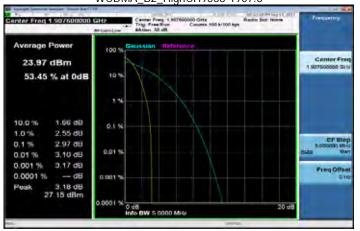
WCDMA_B2_MidCH9400-1880



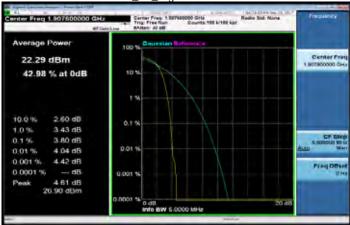
HSDPA_B2_MidCH9400-1880



WCDMA_B2_HighCH9538-1907.6



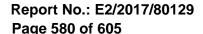
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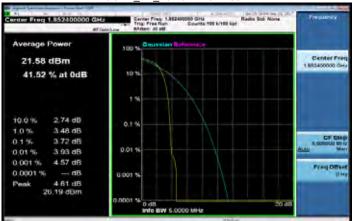
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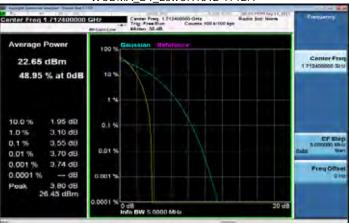




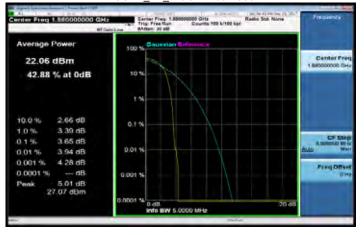
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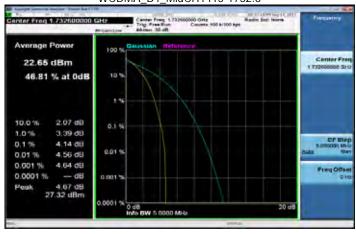
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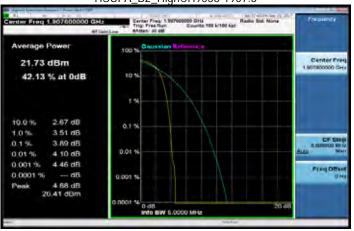
HSUPA_B2_MidCH9400-1880



WCDMA_B4_MidCH1413-1732.6



HSUPA_B2_HighCH9538-1907.6



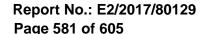
WCDMA_B4_HighCH1513-1752.6



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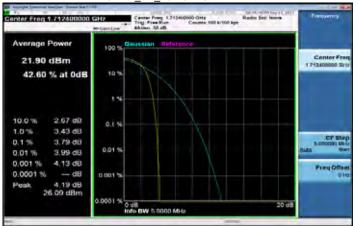
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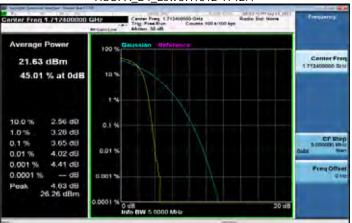




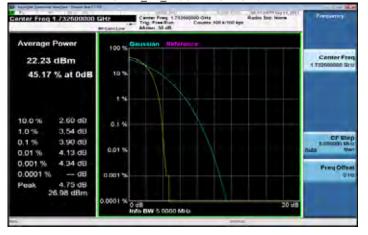
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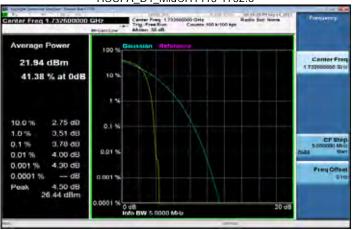
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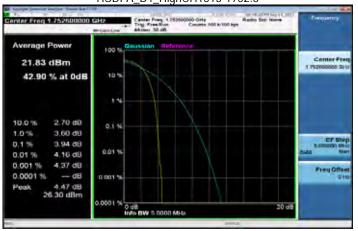
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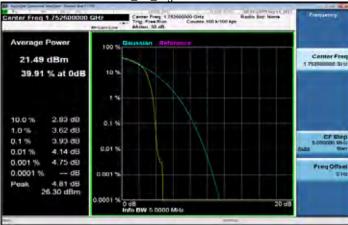
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HSDPA_B4_HighCH1513-1752.6

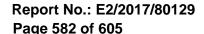


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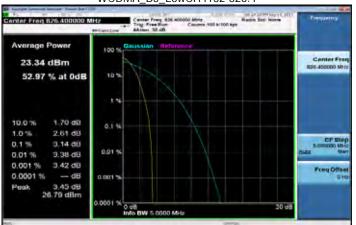
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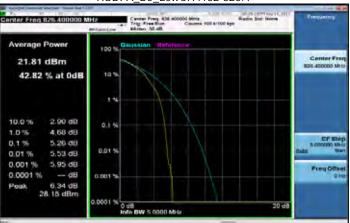




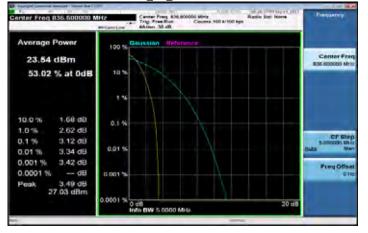
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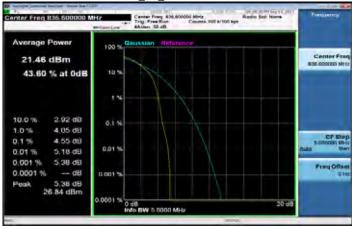
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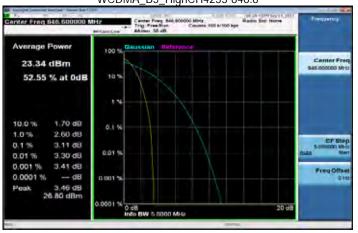
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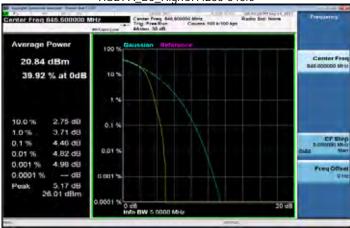
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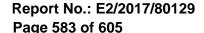


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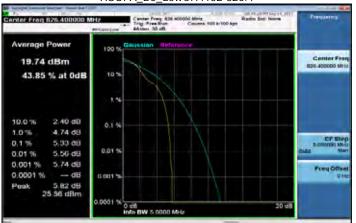
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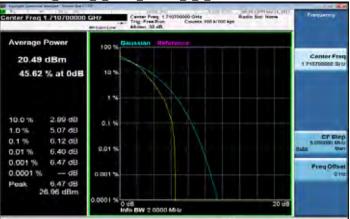




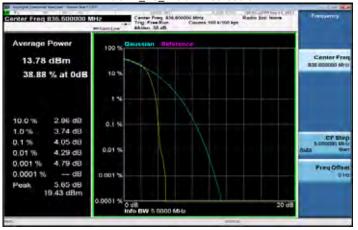
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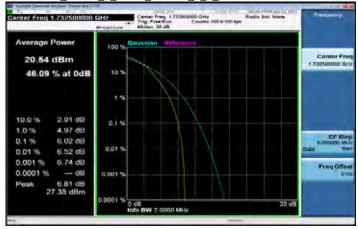




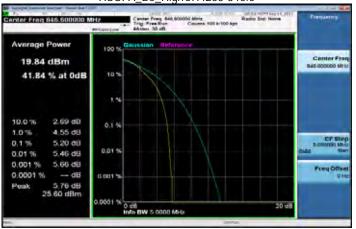
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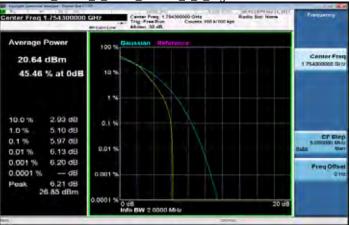
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HSUPA_B5_HighCH4233-846.6

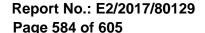


LTE_Band4_1_4MHz_64QAM_6_0_HighCH20393-1754.3



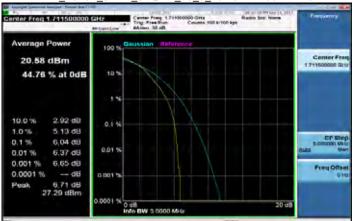
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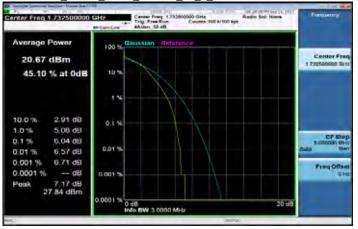
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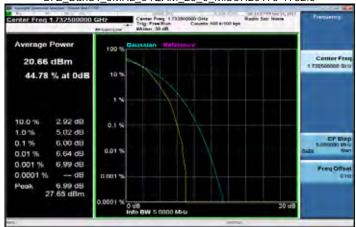
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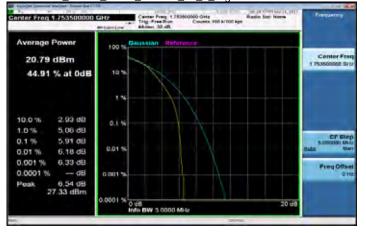
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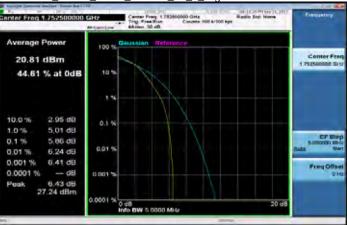
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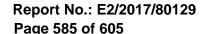


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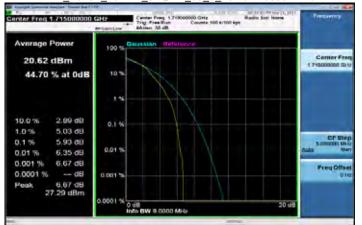
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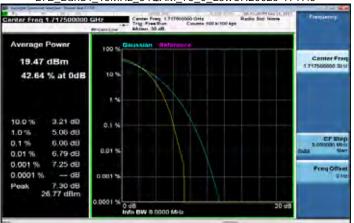




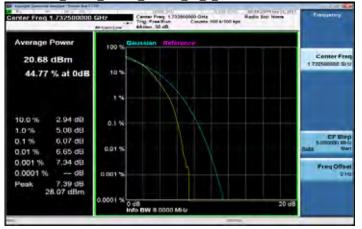
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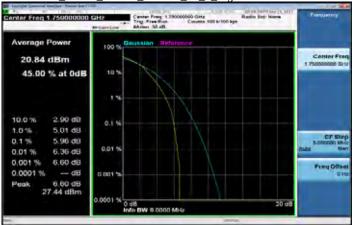
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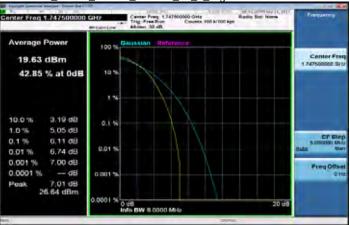
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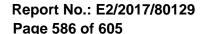


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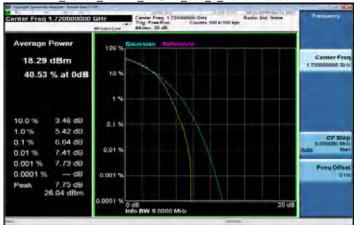
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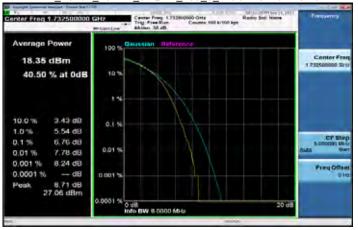
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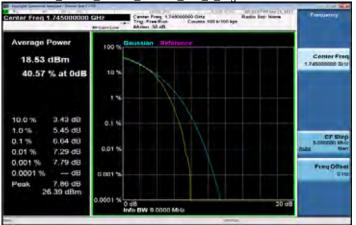
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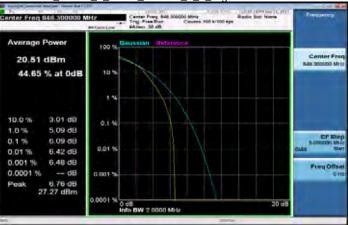
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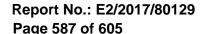
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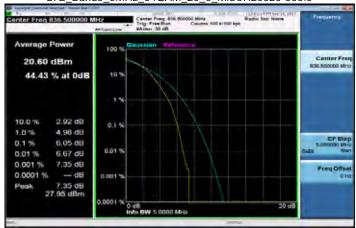
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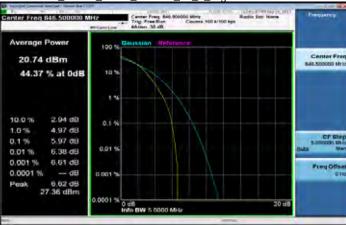
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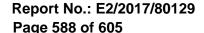
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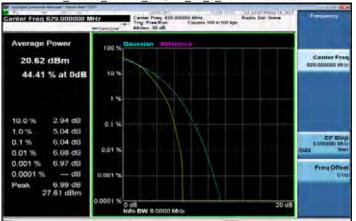
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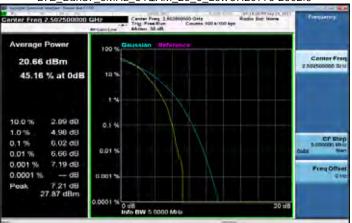




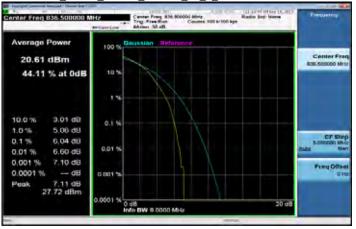
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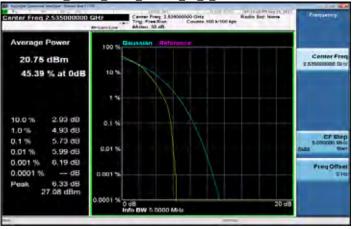
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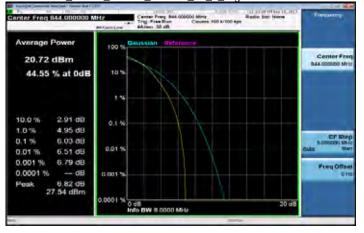
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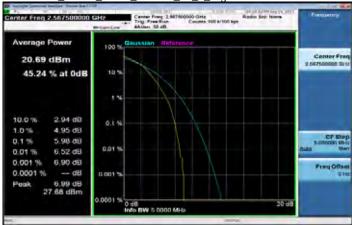
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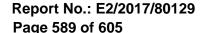


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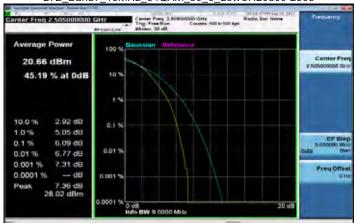
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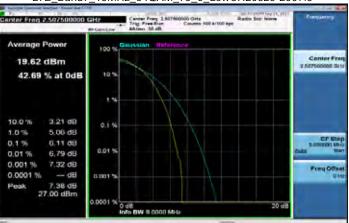




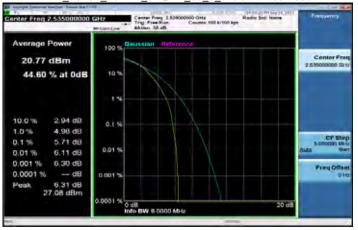
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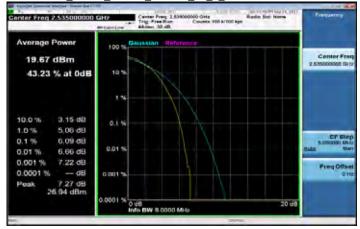
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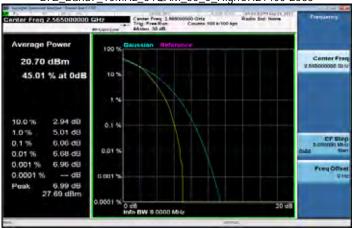
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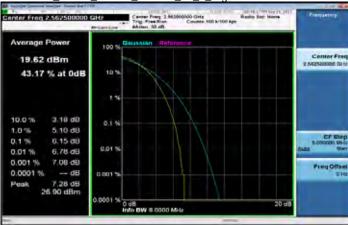
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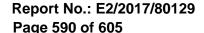


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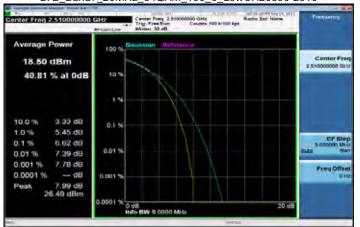
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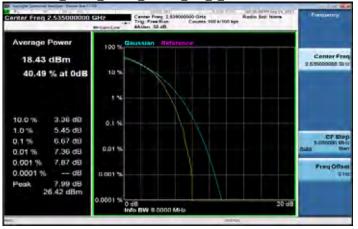
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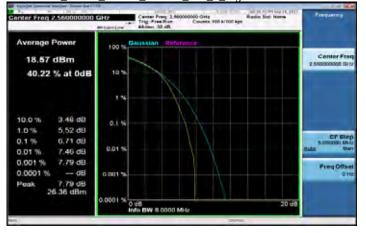
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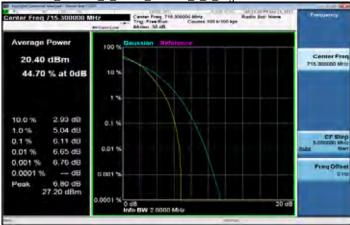
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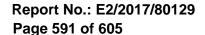


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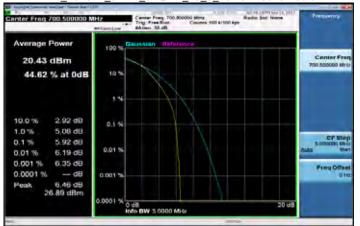
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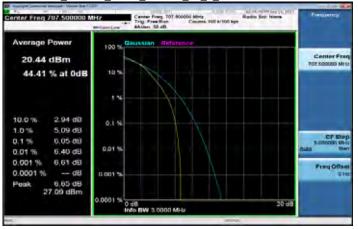
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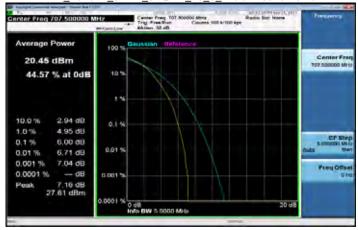
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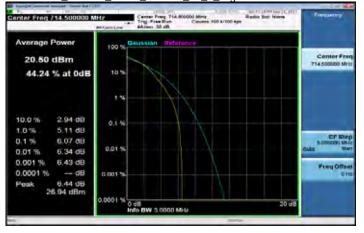
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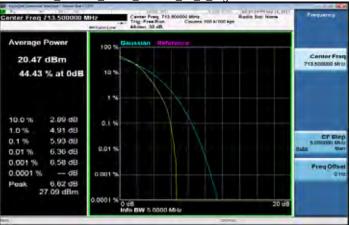
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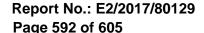


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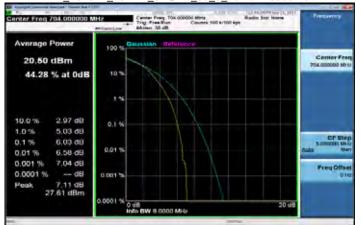
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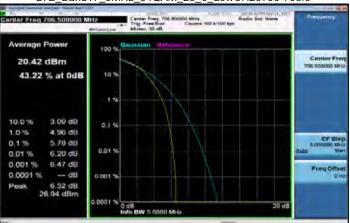




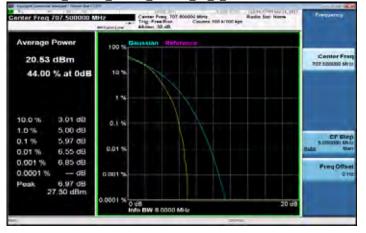
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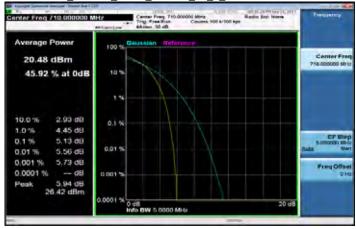
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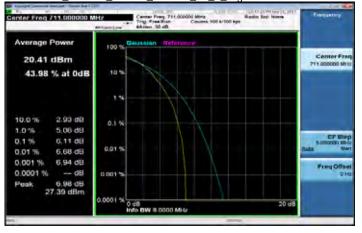
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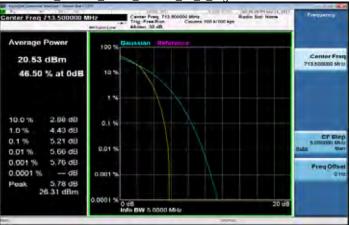
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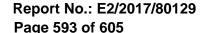
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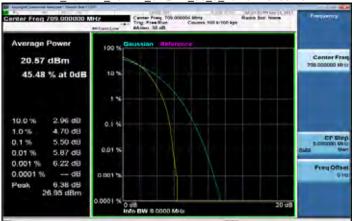
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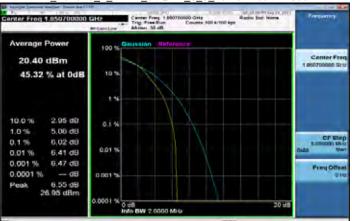




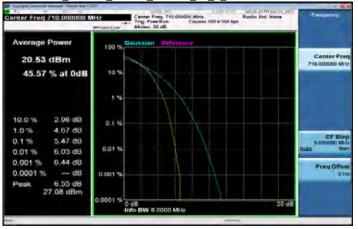
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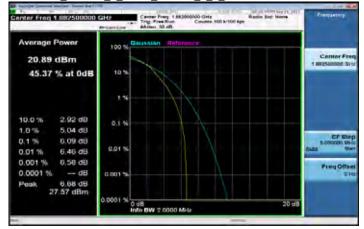
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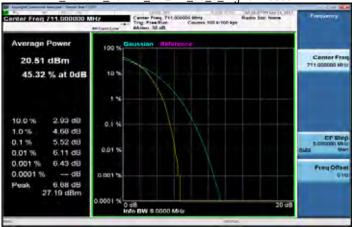
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LTE_Band25_1_4MHz_64QAM_6_0_HighCH26683-1914.3



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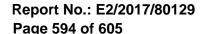
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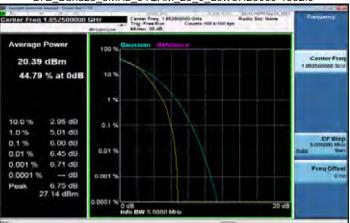




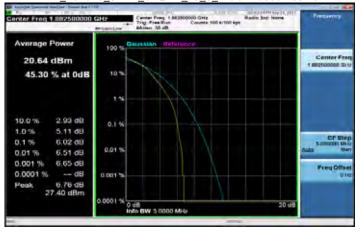
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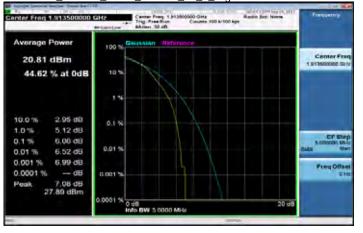
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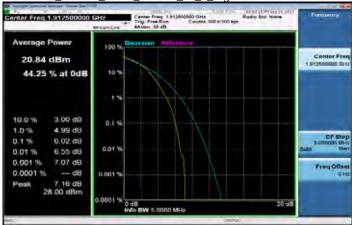
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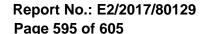


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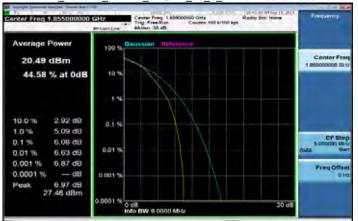
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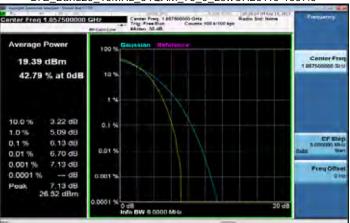




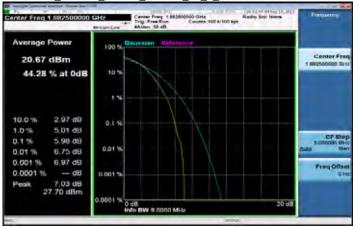
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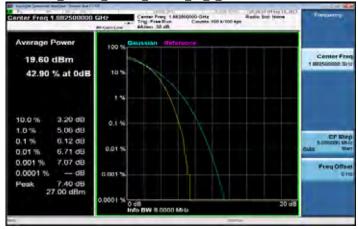
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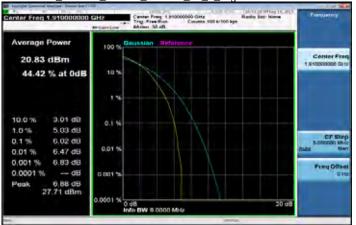
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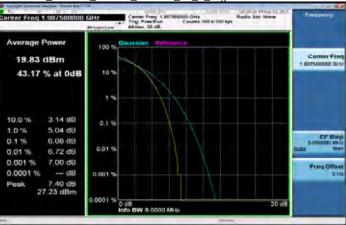
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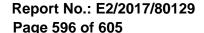
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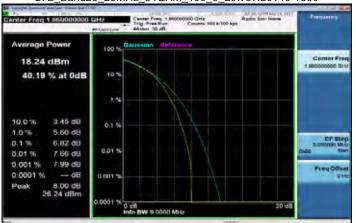
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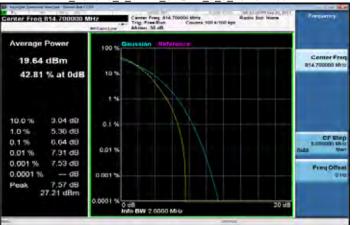




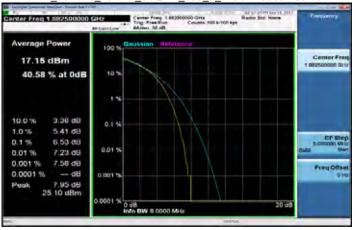
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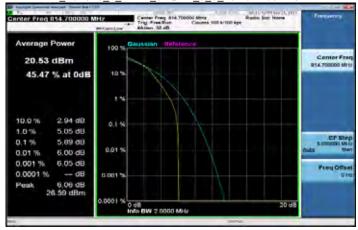
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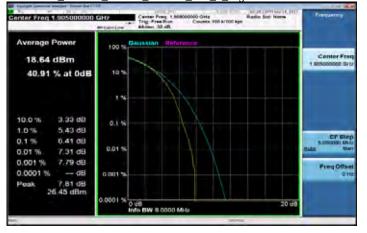
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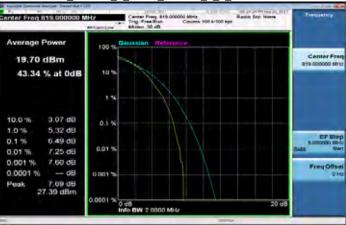
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LTE_Band25_20MHz_64QAM_100_0_HighCH26590-1905



LTE_Band26_1_4MHz_64QAM_6_0_MidCH26740



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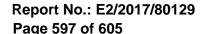
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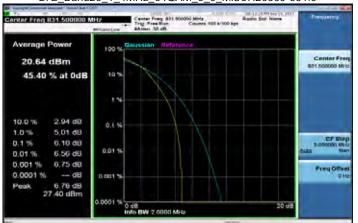
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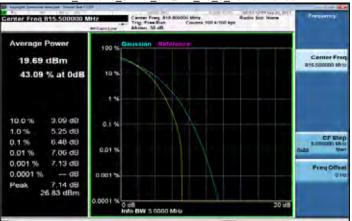




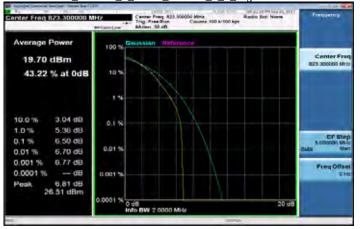
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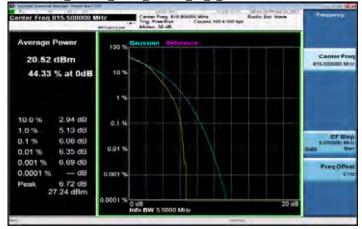
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LTE_Band26_1_4MHz_64QAM_6_0_HighCH27033-848.3



LTE_Band26_3MHz_64QAM_15_0_MidCH26740



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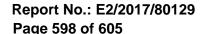
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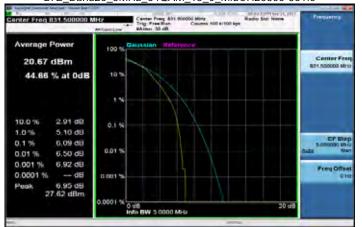
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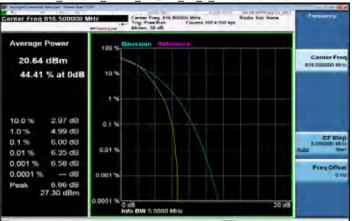




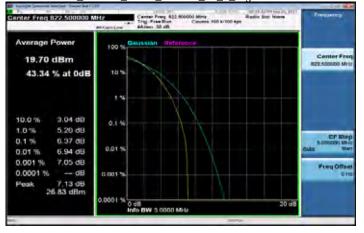
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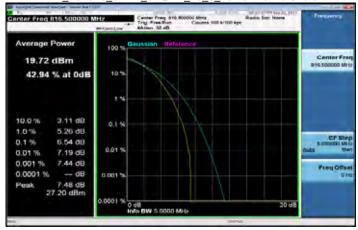
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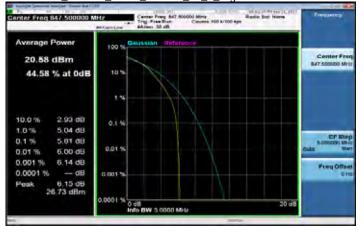
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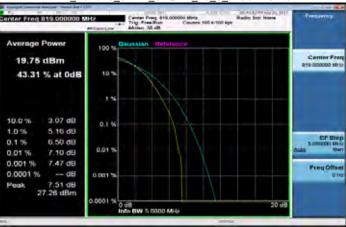
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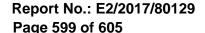


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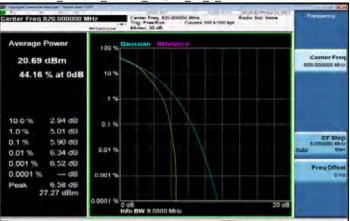




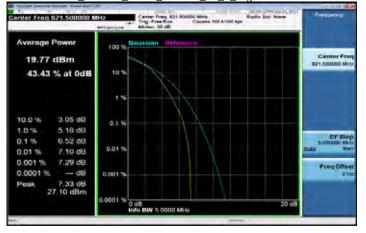
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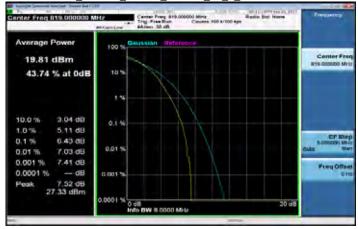
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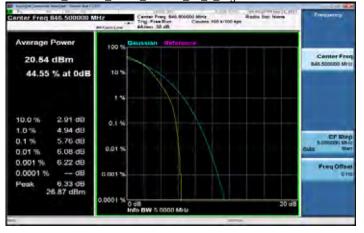
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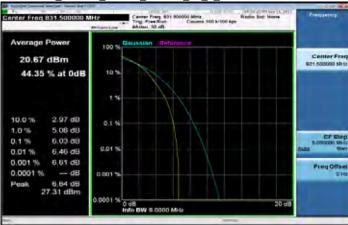
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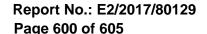
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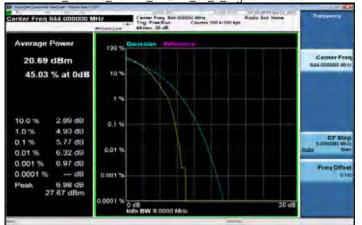
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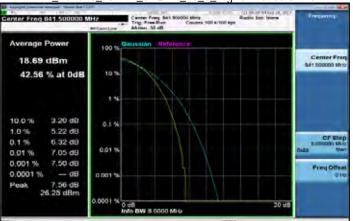




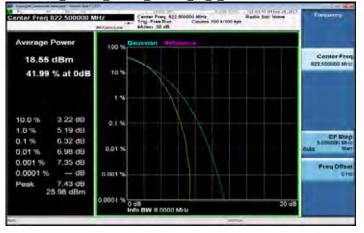
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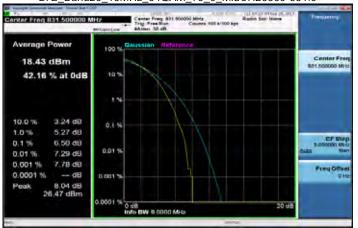
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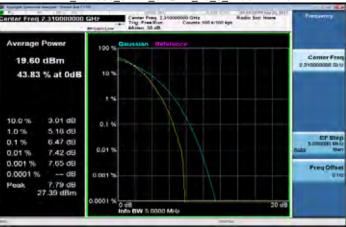
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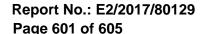


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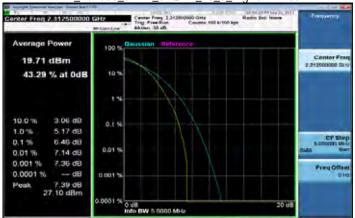
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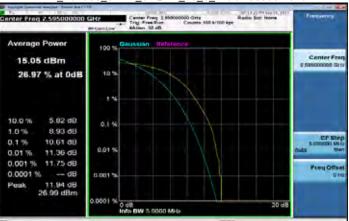




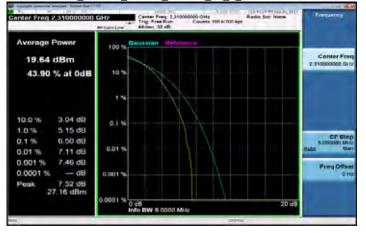
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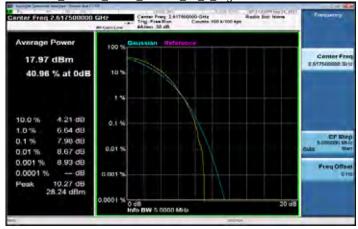
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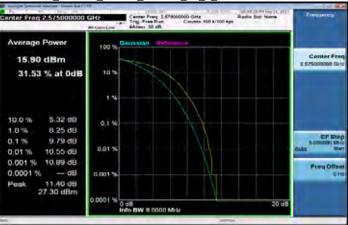
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LTE_Band38_10MHz_64QAM_50_0_LowCH37800-2575

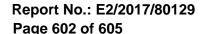


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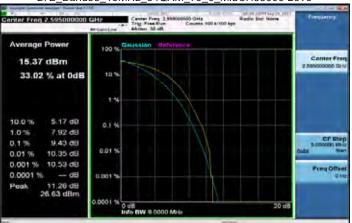




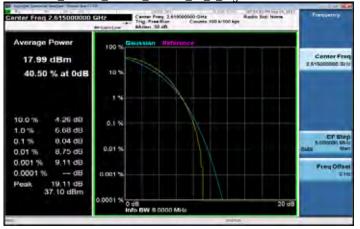
LTE_Band38_10MHz_64QAM_50_0_MidCH38000-2595



LTE_Band38_15MHz_64QAM_75_0_MidCH38000-2595



LTE_Band38_10MHz_64QAM_50_0_HighCH38200-2615



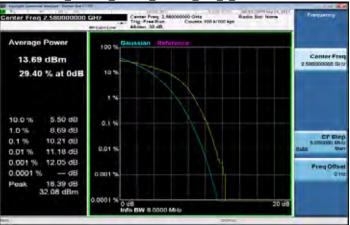
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LTE_Band38_15MHz_64QAM_75_0_LowCH37825-2577.5



LTE_Band38_20MHz_64QAM_100_0_LowCH37850



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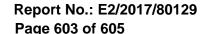
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台灣檢驗科技股份有限公司 t (886-2) 2299-3279

f (886-2) 2298-0488





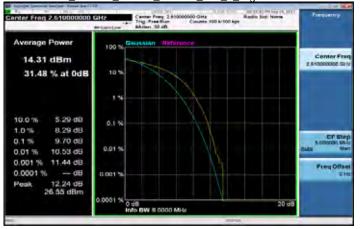
LTE_Band38_20MHz_64QAM_100_0_MidCH38000



LTE_Band41_5MHz_64QAM_25_0_MidCH40620



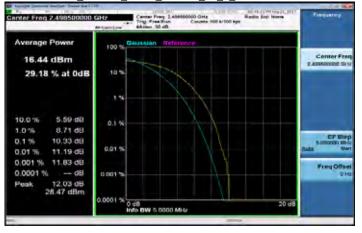
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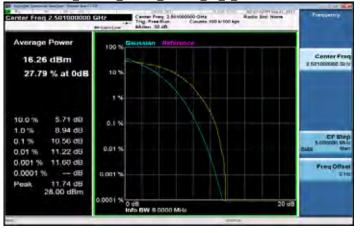
LTE_Band41_5MHz_64QAM_25_0_HighCH41565



LTE_Band41_5MHz_64QAM_25_0_LowCH39675



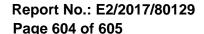
LTE_Band41_10MHz_64QAM_50_0_LowCH39700



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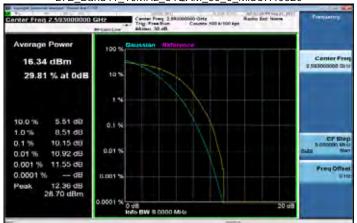
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LTE_Band41_10MHz_64QAM_50_0_MidCH40620



LTE_Band41_15MHz_64QAM_75_0_MidCH40620



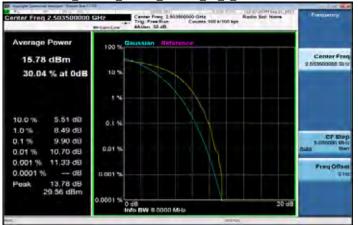
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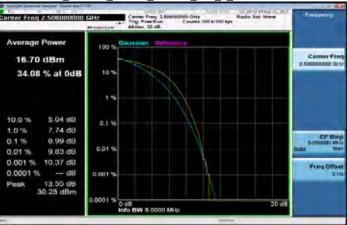
LTE_Band41_15MHz_64QAM_75_0_HighCH41515



LTE_Band41_15MHz_64QAM_75_0_LowCH39725



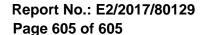
LTE_Band41_20MHz_64QAM_100_0_LowCH39750



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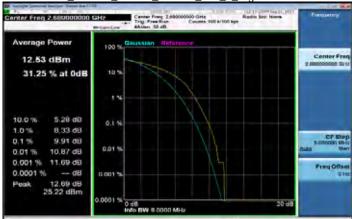




LTE_Band41_20MHz_64QAM_100_0_MidCH40620



LTE_Band41_20MHz_64QAM_100_0_HighCH41490



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