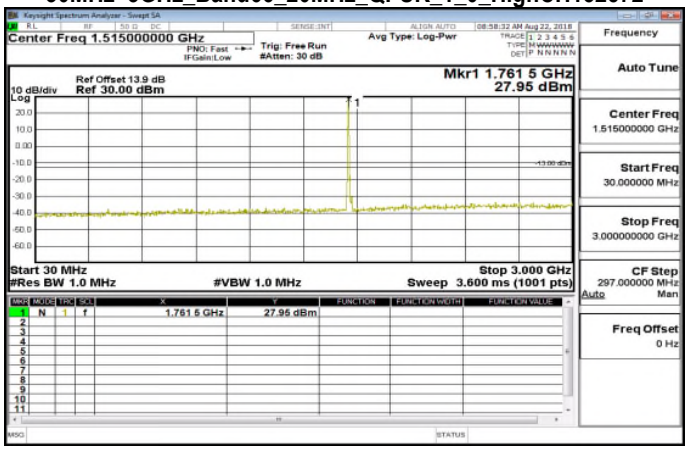
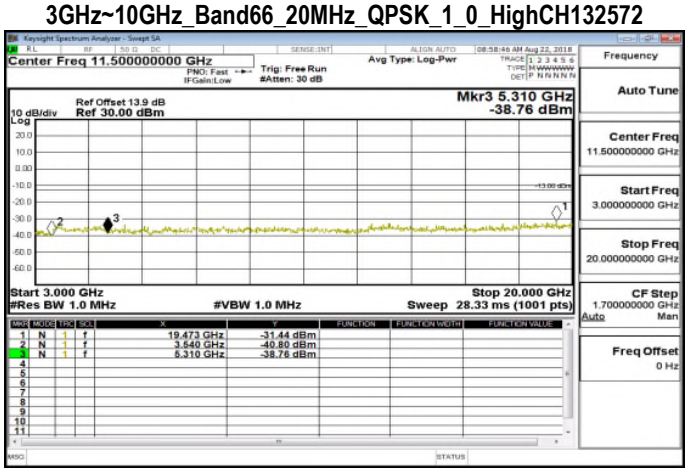
30MHz~3GHz_Band66_20MHz_QPSK_1_0_HighCH132572



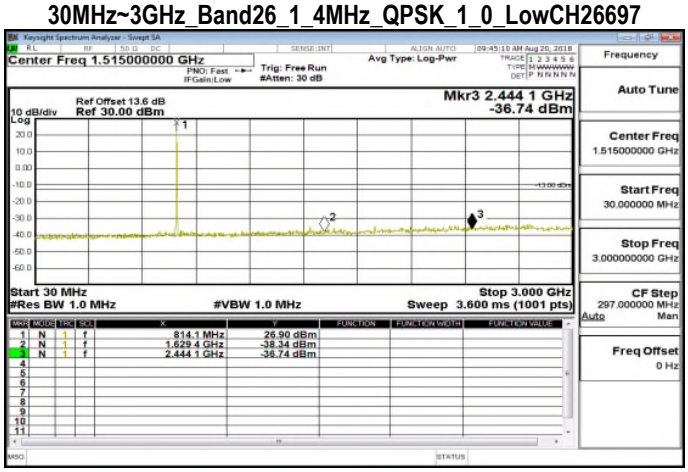
3GHz~10GHz_Band66_20MHz_QPSK_1_0_HighCH132572



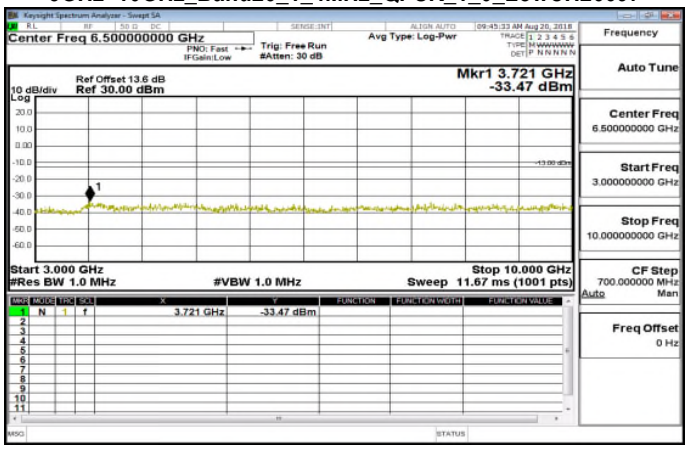
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Part 90

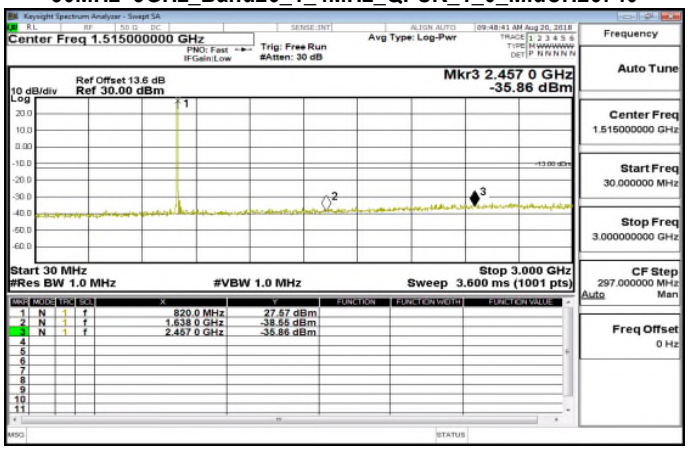
30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_LowCH26697



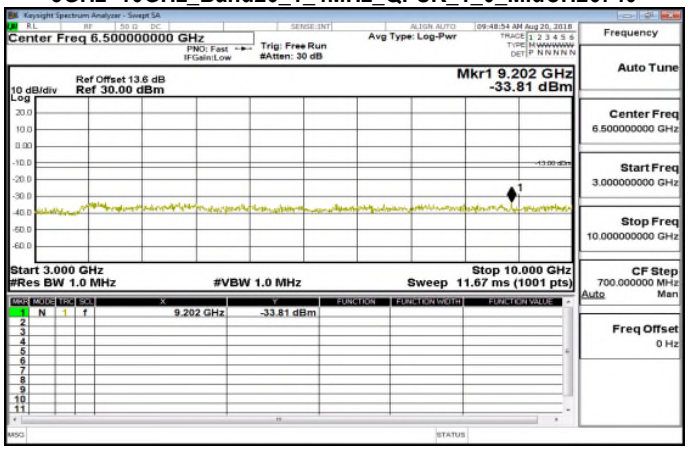
3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_LowCH26697



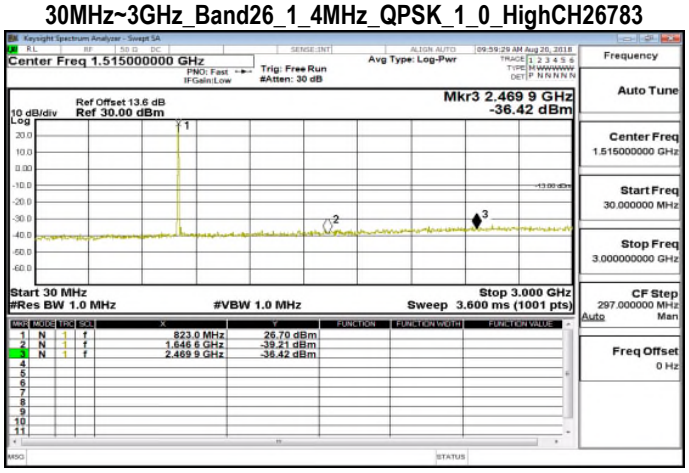
30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_MidCH26740



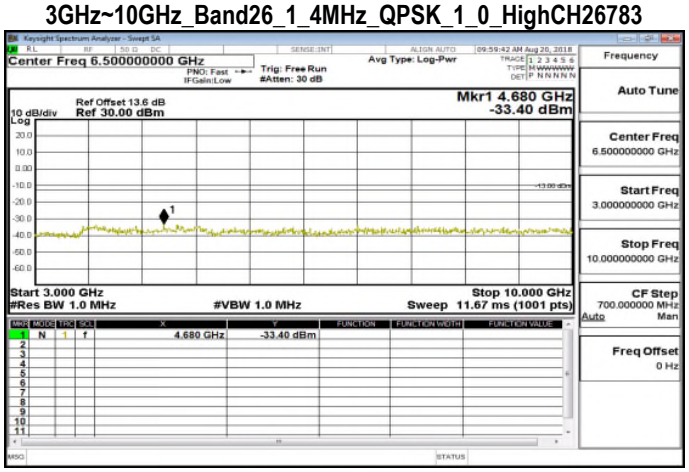
3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_MidCH26740



30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783

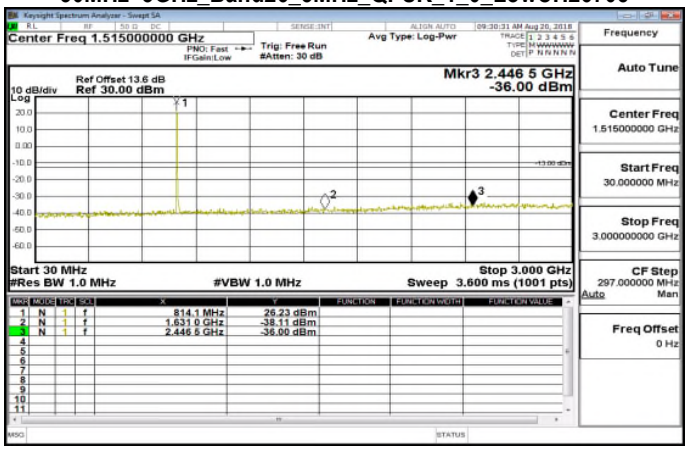


3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783

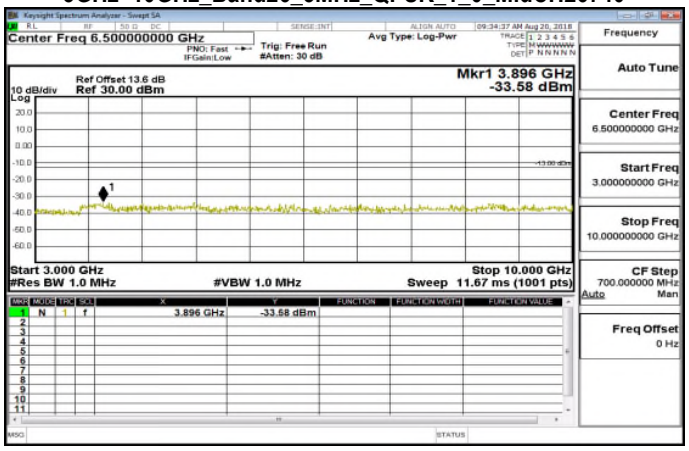


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

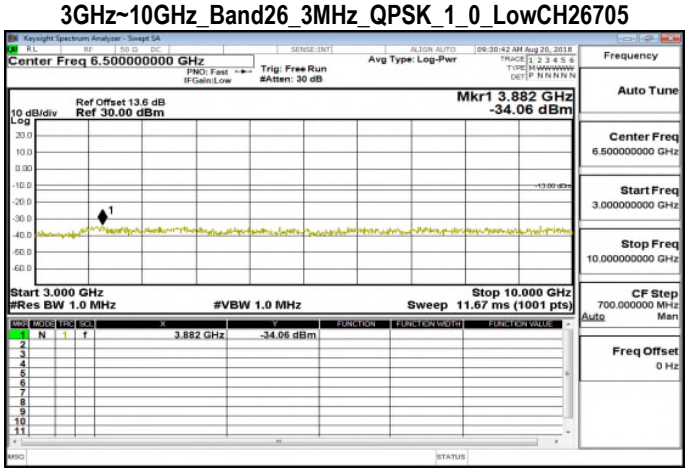
30MHz~3GHz_Band26_3MHz_QPSK_1_0_LowCH26705



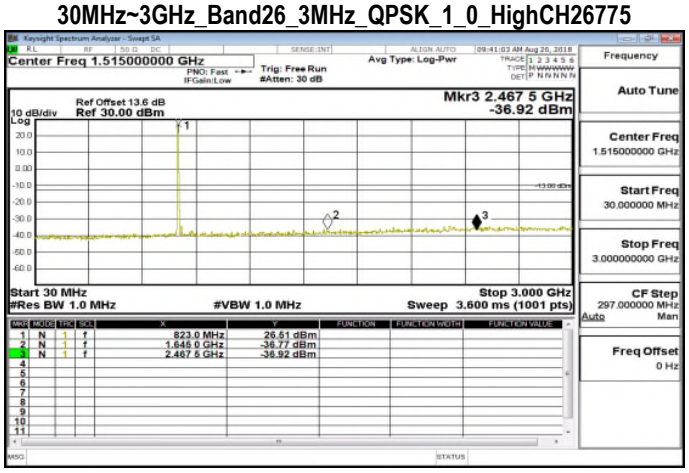
3GHz~10GHz_Band26_3MHz_QPSK_1_0_MidCH26740



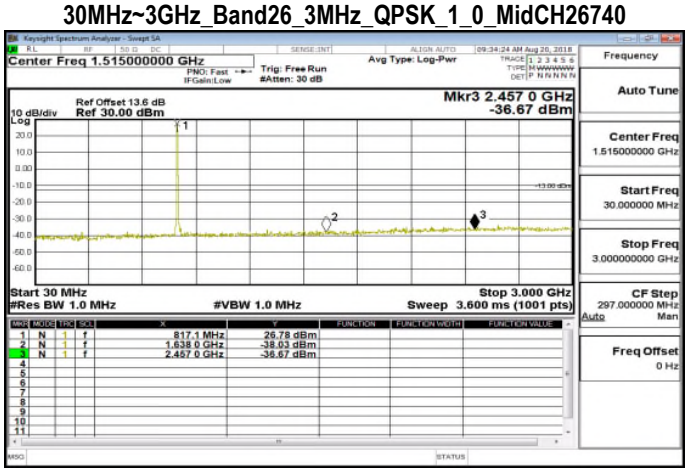
3GHz~10GHz_Band26_3MHz_QPSK_1_0_LowCH26705



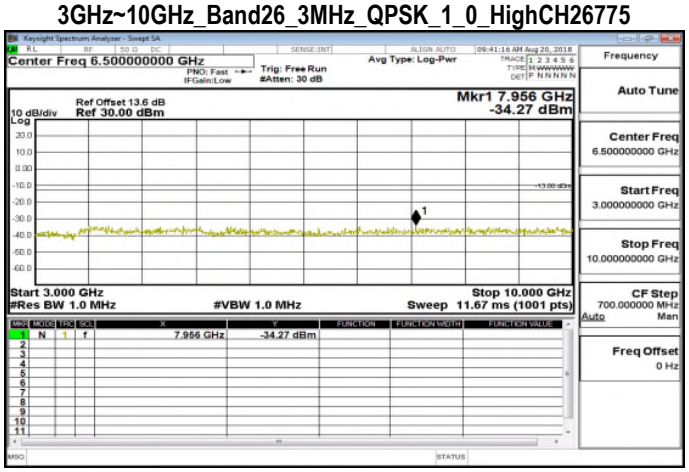
30MHz~3GHz_Band26_3MHz_QPSK_1_0_HighCH26775



30MHz~3GHz_Band26_3MHz_QPSK_1_0_MidCH26740

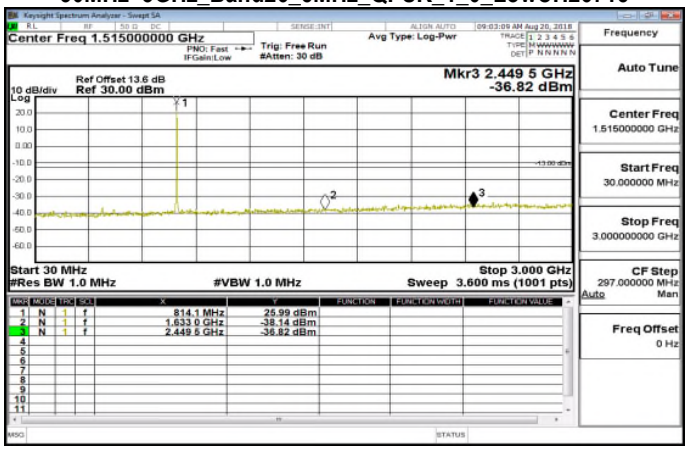


3GHz~10GHz_Band26_3MHz_QPSK_1_0_HighCH26775

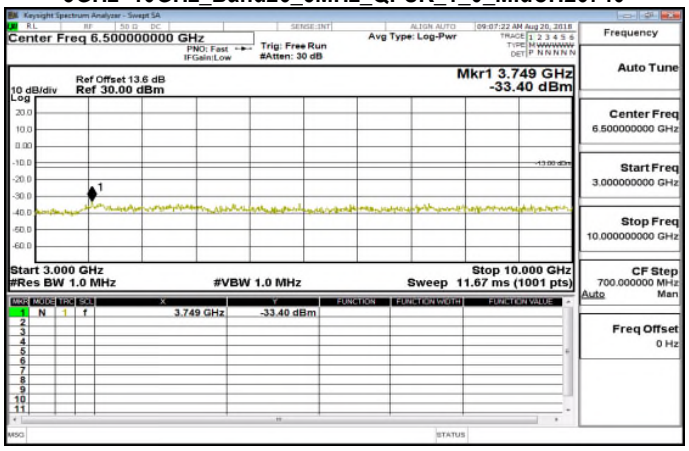


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

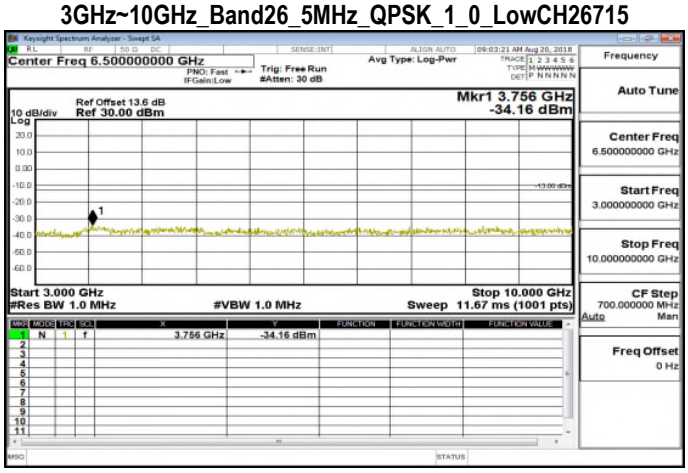
30MHz~3GHz_Band26_5MHz_QPSK_1_0_LowCH26715



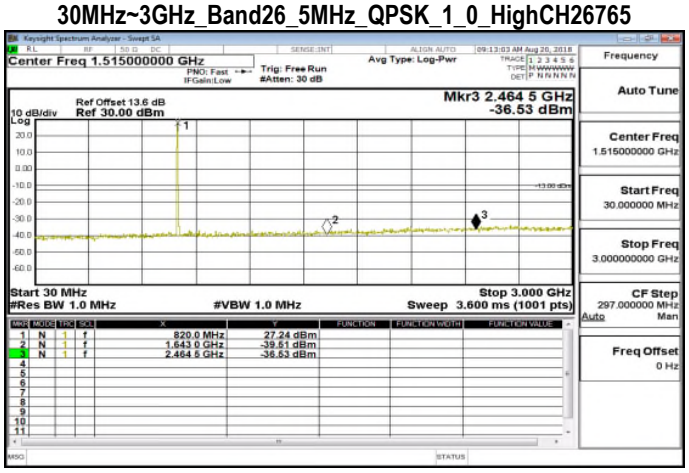
3GHz~10GHz_Band26_5MHz_QPSK_1_0_MidCH26740



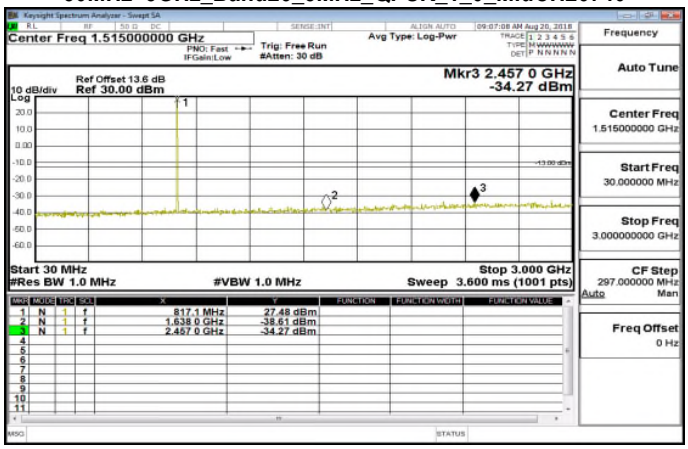
3GHz~10GHz_Band26_5MHz_QPSK_1_0_LowCH26715



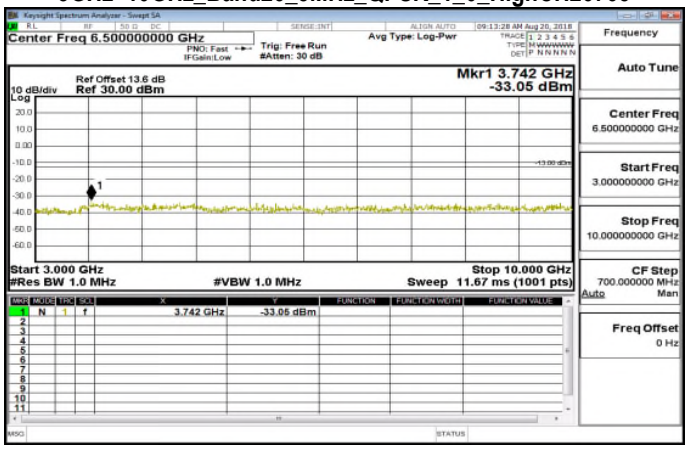
30MHz~3GHz_Band26_5MHz_QPSK_1_0_HighCH26765



30MHz~3GHz_Band26_5MHz_QPSK_1_0_MidCH26740

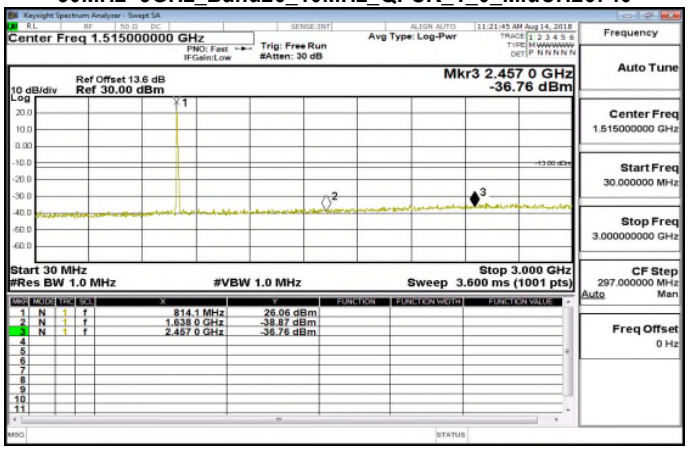


3GHz~10GHz_Band26_5MHz_QPSK_1_0_HighCH26765

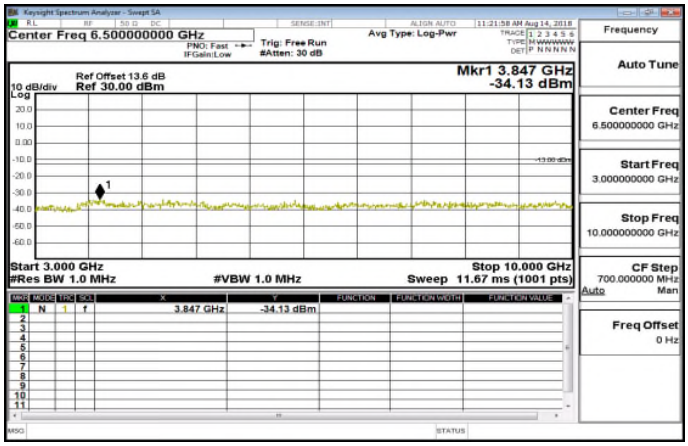


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

30MHz~3GHz_Band26_10MHz_QPSK_1_0_MidCH26740



3GHz~10GHz_Band26_10MHz_QPSK_1_0_MidCH26740



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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1. Standard Applicable

According to FCC §2.1053,

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

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

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

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

FCC §27.53(c) (5) & FCC §27.53(g)
Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53(h) (3)

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

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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.

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

FCC 27.53(a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;

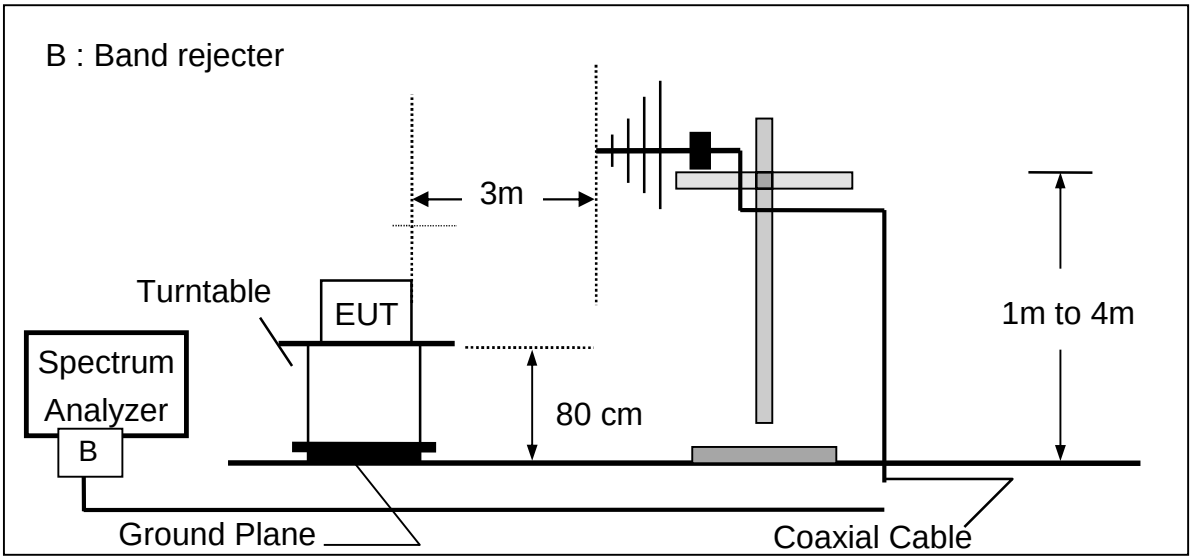
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

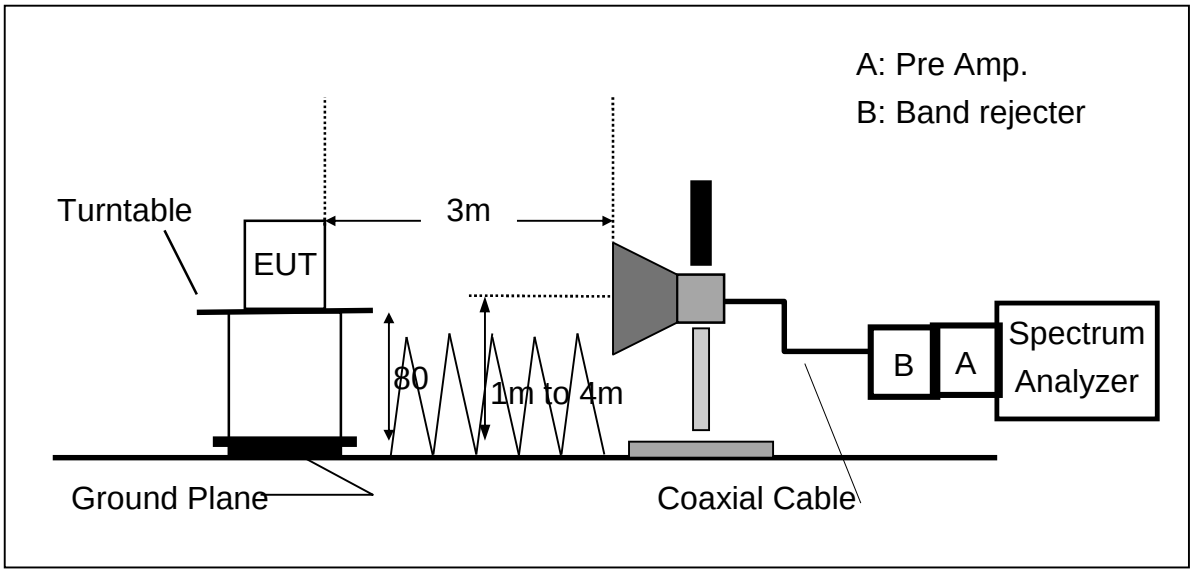
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

9.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

9.3. Measurement Procedure:

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

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

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

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

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

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

9.4. Measurement Equipment Used:

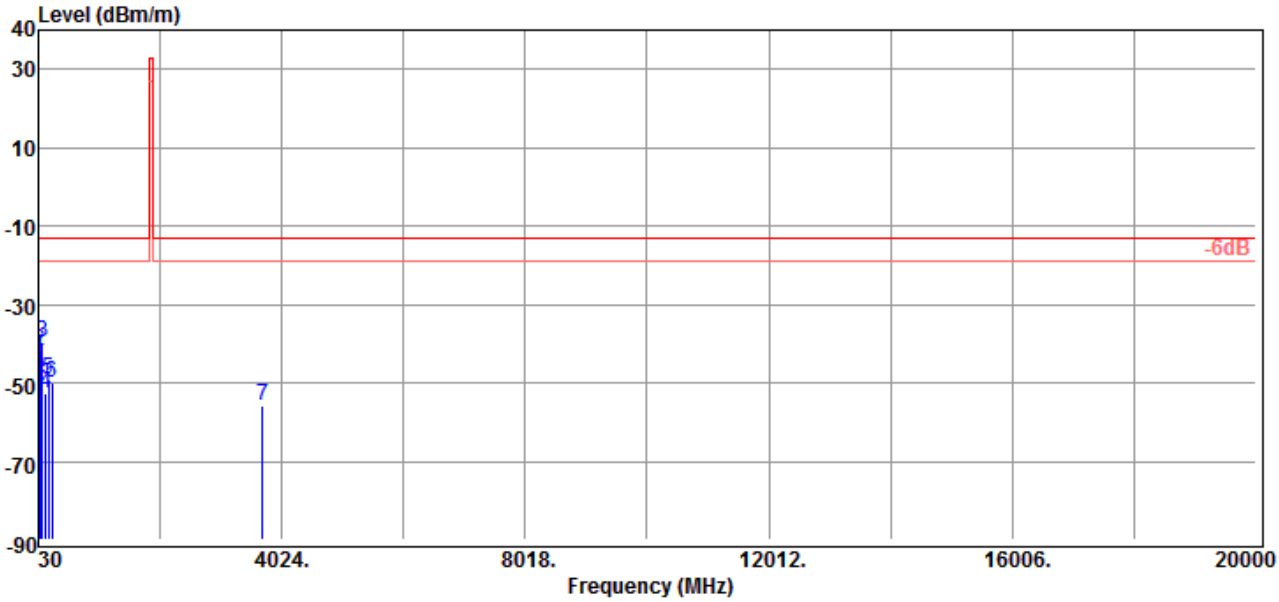
ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Broadband Antenna	SCHWAZBECK	VULB 9168	9168-617	2017/10/27	2018/10/26
Horn Antenna	Schwarzbeck	BBHA9120D	1341	2018/06/07	2019/06/06
Loop Antenna	ETS.LINDGREN	6502	148045	2017/09/26	2018/09/25
3m Site NSA	SGS	966 chamber D	N/A	2018/07/06	2019/07/05
EMI Test Receiver	R&S	ESU 40	100363	2018/04/11	2019/04/10
Pre-Amplifier	EMC Instruments	EMC184045B	980135	2017/10/27	2018/10/26
Pre-Amplifier	EMC Instruments	EMC9135	980234	2017/12/26	2018/12/25
Pre-Amplifier	EMC Instruments	EMC12630SE	980271	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	2017/12/26	2018/12/25

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

9.5. Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

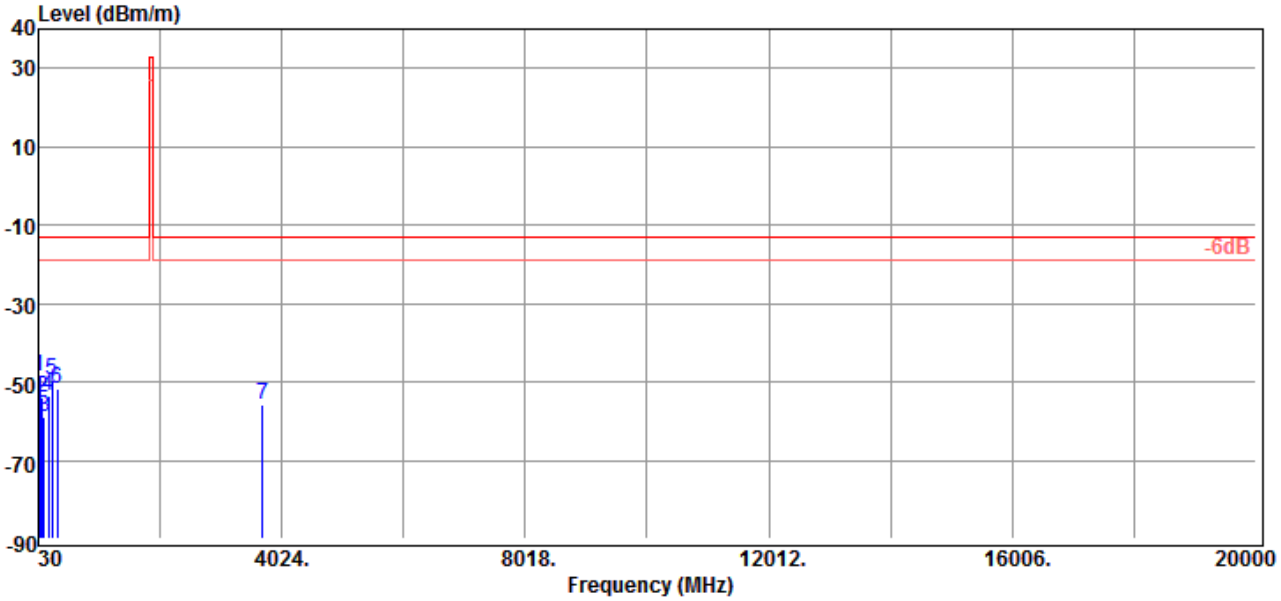
Operation Mode	:WCDMA B2	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1852.4 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-43.82	-25.06	-18.29	-0.47	-13.00	-30.82
51.34	-42.03	-37.22	-4.15	-0.66	-13.00	-29.03
97.90	-39.72	-38.16	-0.71	-0.85	-13.00	-26.72
155.13	-52.55	-54.45	2.92	-1.02	-13.00	-39.55
192.96	-49.11	-53.32	5.42	-1.21	-13.00	-36.11
248.25	-50.02	-53.78	5.19	-1.43	-13.00	-37.02
3704.80	-55.99	-61.68	12.43	-6.74	-13.00	-42.99

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

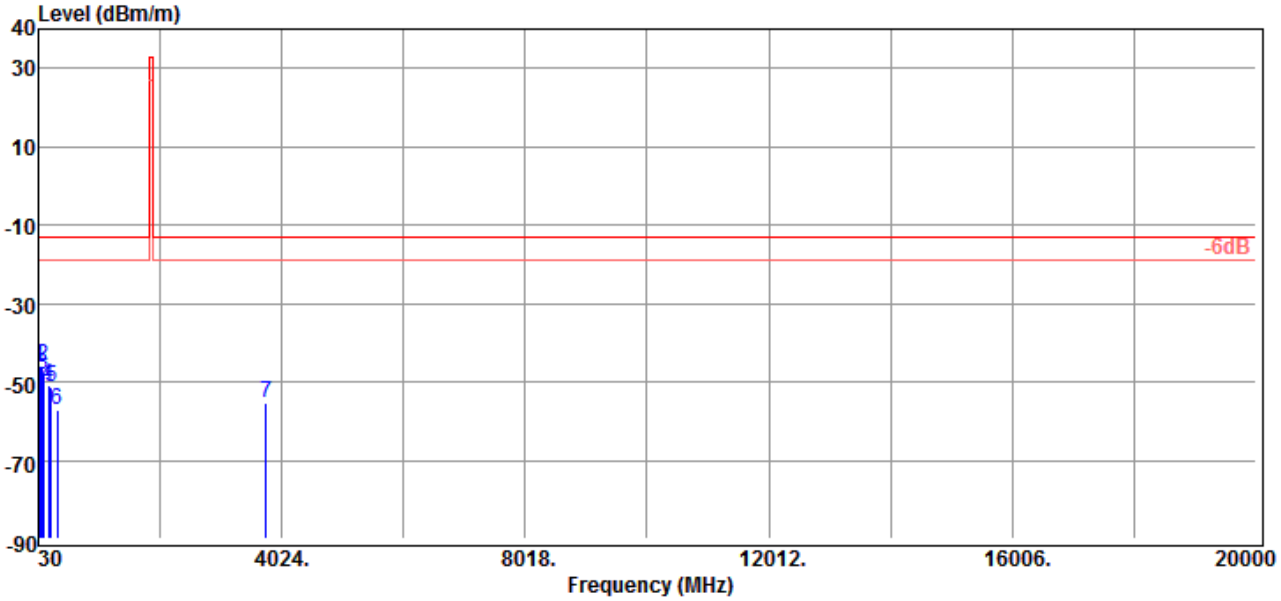
Operation Mode	:WCDMA B2	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1852.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-48.81	-44.40	-3.75	-0.66	-13.00	-35.81
97.90	-53.88	-52.32	-0.71	-0.85	-13.00	-40.88
121.18	-59.08	-58.89	0.73	-0.92	-13.00	-46.08
197.81	-53.68	-58.15	5.70	-1.23	-13.00	-40.68
248.25	-49.59	-53.35	5.19	-1.43	-13.00	-36.59
334.58	-51.75	-55.71	5.81	-1.85	-13.00	-38.75
3704.80	-55.82	-61.51	12.43	-6.74	-13.00	-42.82

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

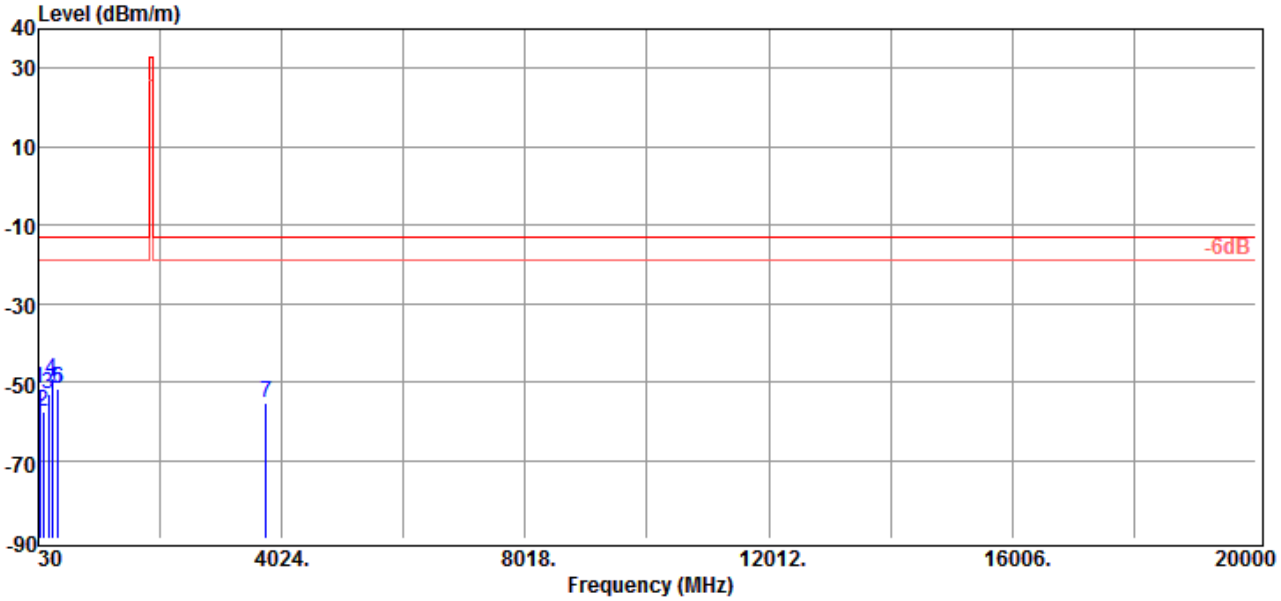
Operation Mode	:WCDMA B2	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1880 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-46.17	-41.36	-4.15	-0.66	-13.00	-33.17
96.93	-45.83	-44.35	-0.63	-0.85	-13.00	-32.83
116.33	-47.97	-47.45	0.39	-0.91	-13.00	-34.97
199.75	-50.74	-55.32	5.82	-1.24	-13.00	-37.74
243.40	-51.30	-55.14	5.25	-1.41	-13.00	-38.30
341.37	-57.29	-61.20	5.80	-1.89	-13.00	-44.29
3760.00	-55.41	-61.20	12.46	-6.67	-13.00	-42.41

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

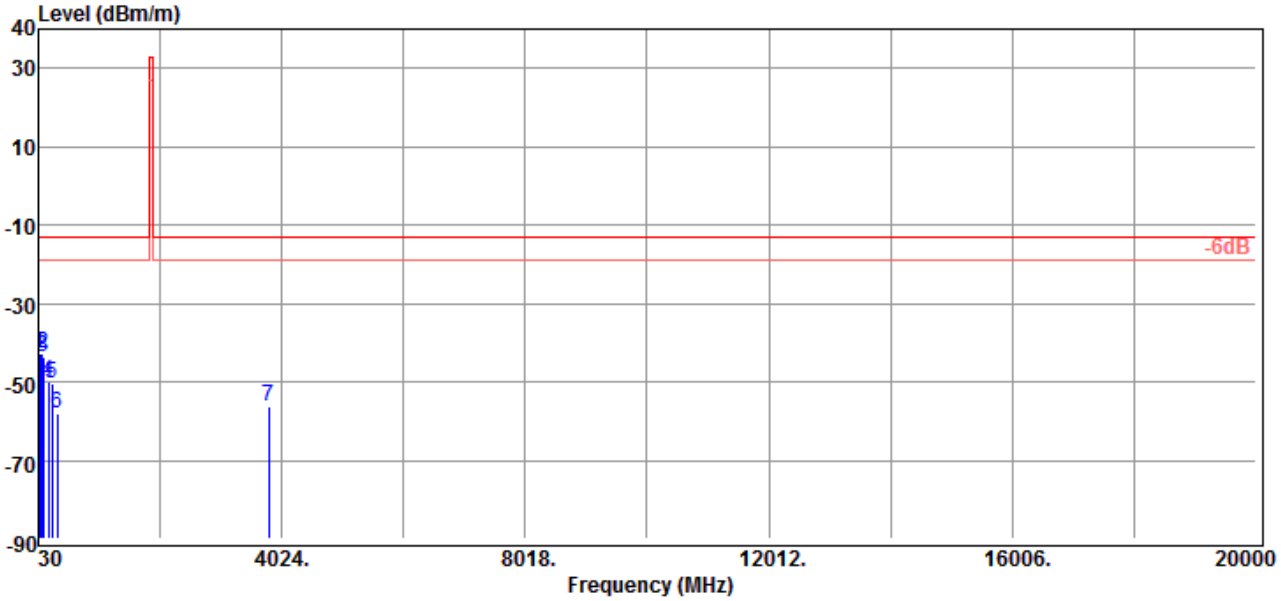
Operation Mode	:WCDMA B2	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1880 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-51.70	-46.89	-4.15	-0.66	-13.00	-38.70
114.39	-57.39	-56.73	0.24	-0.90	-13.00	-44.39
202.66	-53.19	-57.73	5.79	-1.25	-13.00	-40.19
251.16	-49.57	-53.32	5.19	-1.44	-13.00	-36.57
333.61	-51.55	-55.52	5.81	-1.84	-13.00	-38.55
349.13	-51.65	-55.50	5.79	-1.94	-13.00	-38.65
3760.00	-55.42	-61.21	12.46	-6.67	-13.00	-42.42

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

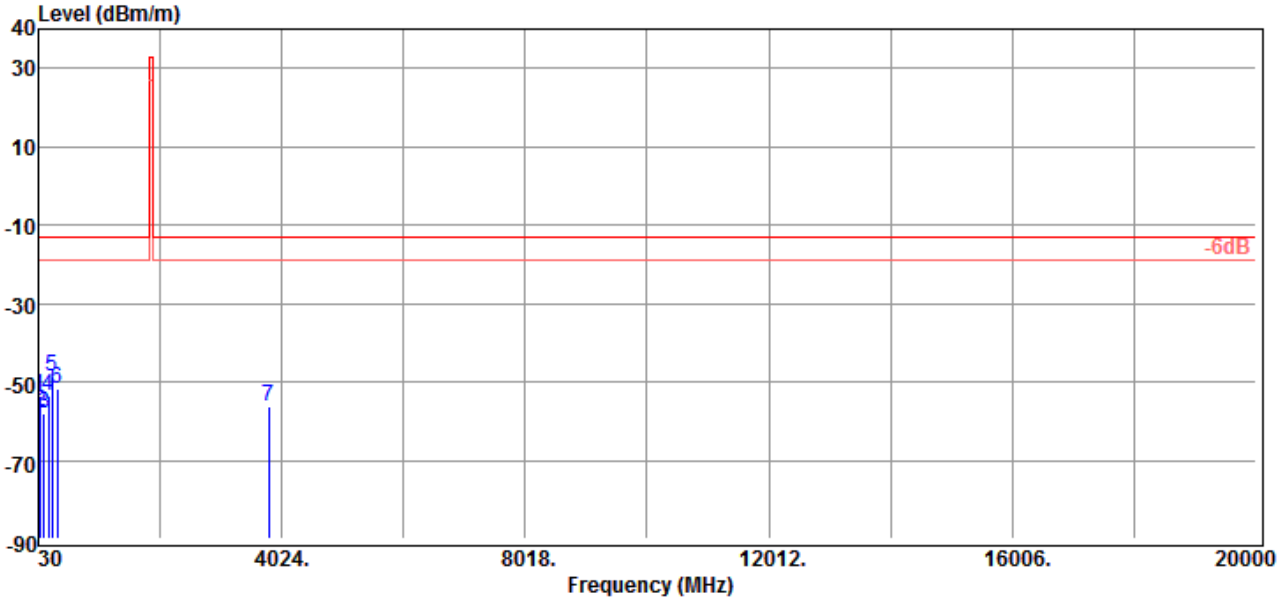
Operation Mode	:WCDMA B2	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1907.6 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-42.91	-38.10	-4.15	-0.66	-13.00	-29.91
98.87	-42.60	-40.94	-0.80	-0.86	-13.00	-29.60
104.69	-43.87	-42.49	-0.50	-0.88	-13.00	-30.87
198.78	-49.86	-54.39	5.76	-1.23	-13.00	-36.86
247.28	-50.53	-54.30	5.20	-1.43	-13.00	-37.53
341.37	-58.08	-61.99	5.80	-1.89	-13.00	-45.08
3815.20	-56.07	-61.97	12.49	-6.59	-13.00	-43.07

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:WCDMA B2	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1907.6 MHz	Engineer	:Enzo

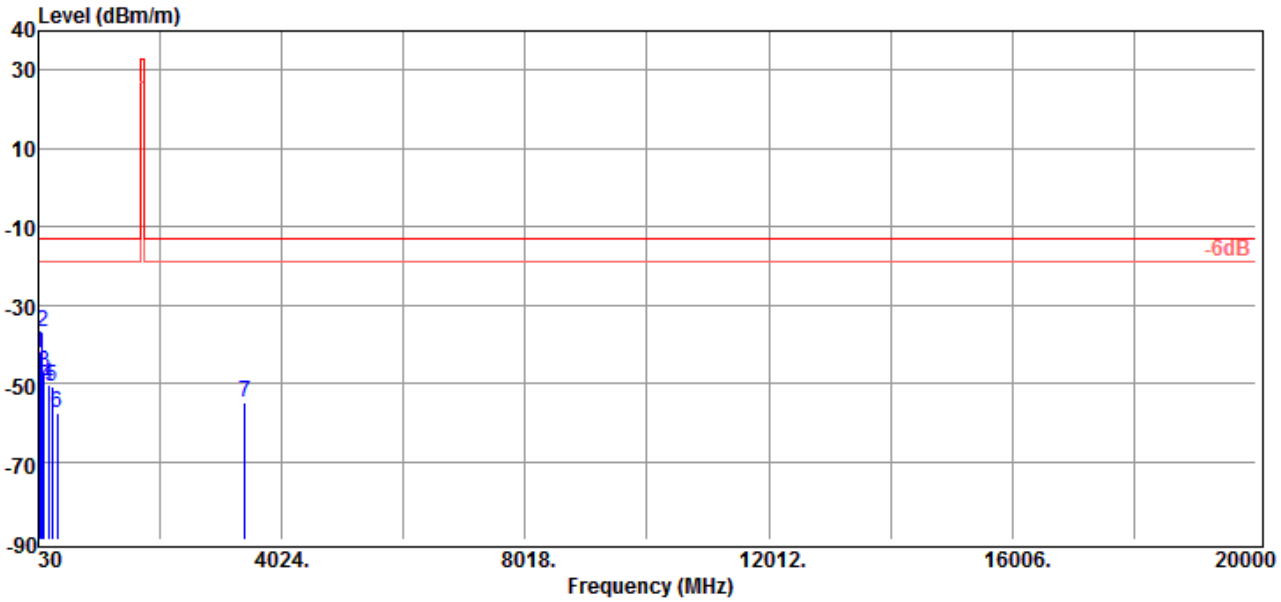


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-53.68	-48.87	-4.15	-0.66	-13.00	-40.68
62.98	-57.52	-56.44	-0.41	-0.67	-13.00	-44.52
119.24	-57.89	-57.56	0.59	-0.92	-13.00	-44.89
198.78	-53.46	-57.99	5.76	-1.23	-13.00	-40.46
256.01	-48.67	-52.47	5.26	-1.46	-13.00	-35.67
337.49	-51.65	-55.58	5.80	-1.87	-13.00	-38.65
3815.20	-56.09	-61.99	12.49	-6.59	-13.00	-43.09

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA Band 4 Mode

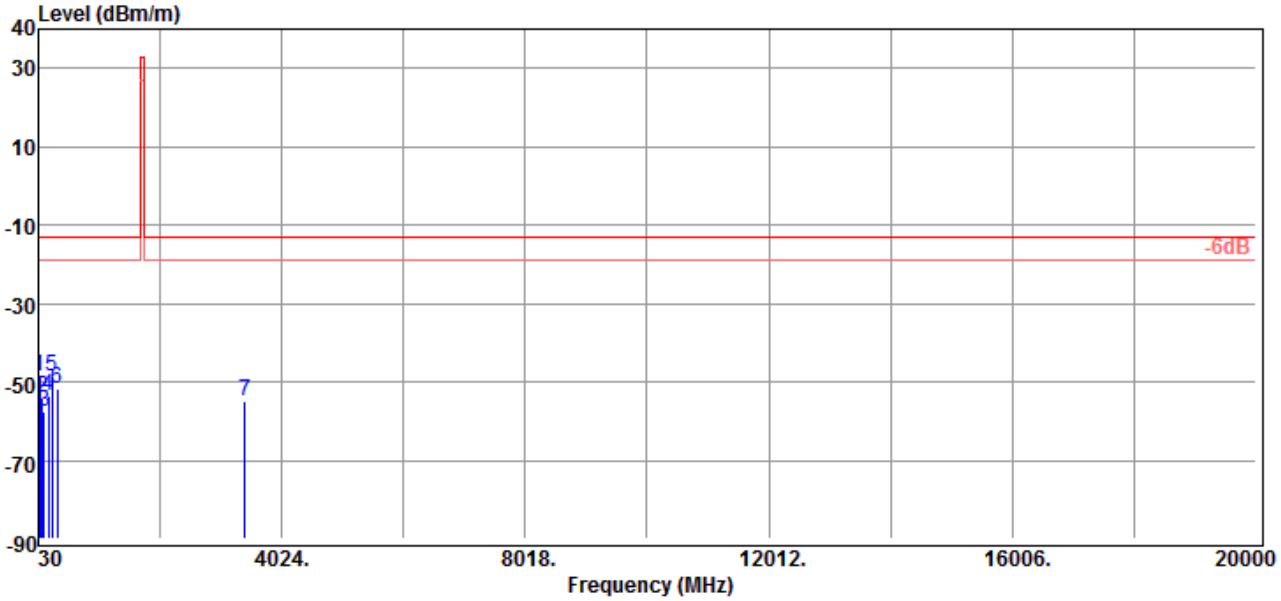
Operation Mode	:WCDMA B4	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1712.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-42.24	-37.43	-4.15	-0.66	-13.00	-29.24
91.11	-36.91	-35.98	-0.11	-0.82	-13.00	-23.91
118.27	-47.11	-46.73	0.53	-0.91	-13.00	-34.11
197.81	-50.64	-55.11	5.70	-1.23	-13.00	-37.64
250.19	-50.69	-54.42	5.17	-1.44	-13.00	-37.69
337.49	-57.58	-61.51	5.80	-1.87	-13.00	-44.58
3424.80	-55.05	-60.57	12.16	-6.64	-13.00	-42.05

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

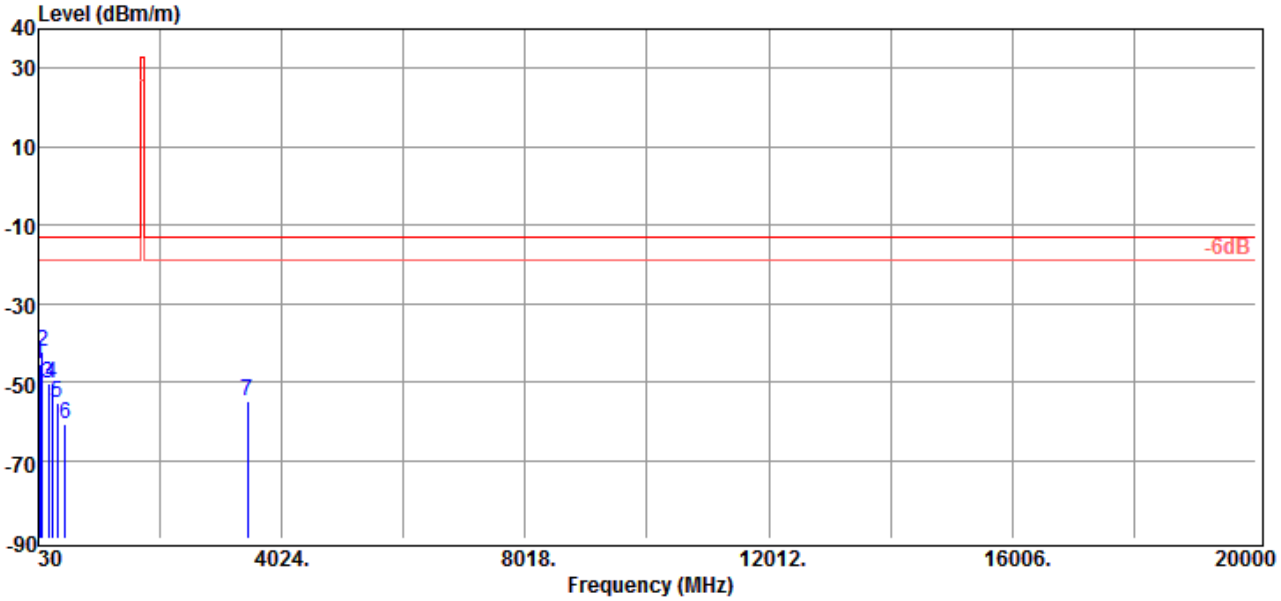
Operation Mode	:WCDMA B4	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1712.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.28	-48.49	-44.47	-3.36	-0.66	-13.00	-35.49
97.90	-53.86	-52.30	-0.71	-0.85	-13.00	-40.86
118.27	-57.54	-57.16	0.53	-0.91	-13.00	-44.54
202.66	-53.48	-58.02	5.79	-1.25	-13.00	-40.48
250.19	-48.42	-52.15	5.17	-1.44	-13.00	-35.42
335.55	-51.81	-55.77	5.81	-1.85	-13.00	-38.81
3424.80	-54.79	-60.31	12.16	-6.64	-13.00	-41.79

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

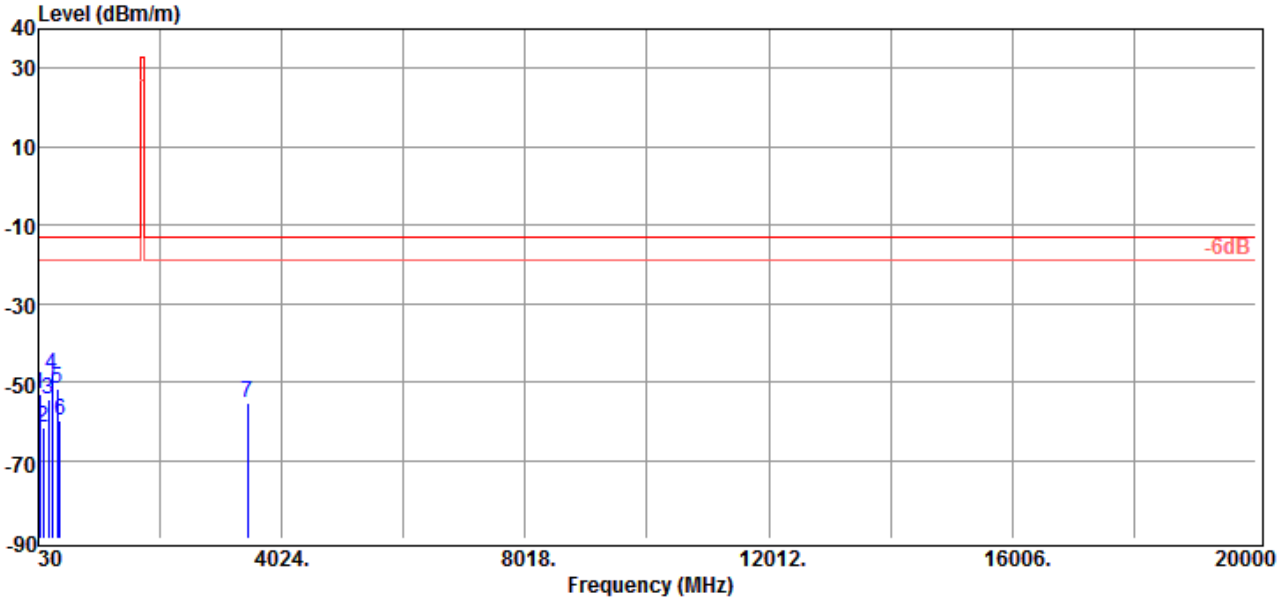
Operation Mode	:WCDMA B4	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1732.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-45.30	-40.49	-4.15	-0.66	-13.00	-32.30
96.93	-42.31	-40.83	-0.63	-0.85	-13.00	-29.31
199.75	-50.28	-54.86	5.82	-1.24	-13.00	-37.28
247.28	-50.20	-53.97	5.20	-1.43	-13.00	-37.20
336.52	-55.57	-59.52	5.81	-1.86	-13.00	-42.57
467.47	-60.81	-64.70	6.15	-2.26	-13.00	-47.81
3464.80	-55.13	-60.52	12.23	-6.84	-13.00	-42.13

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

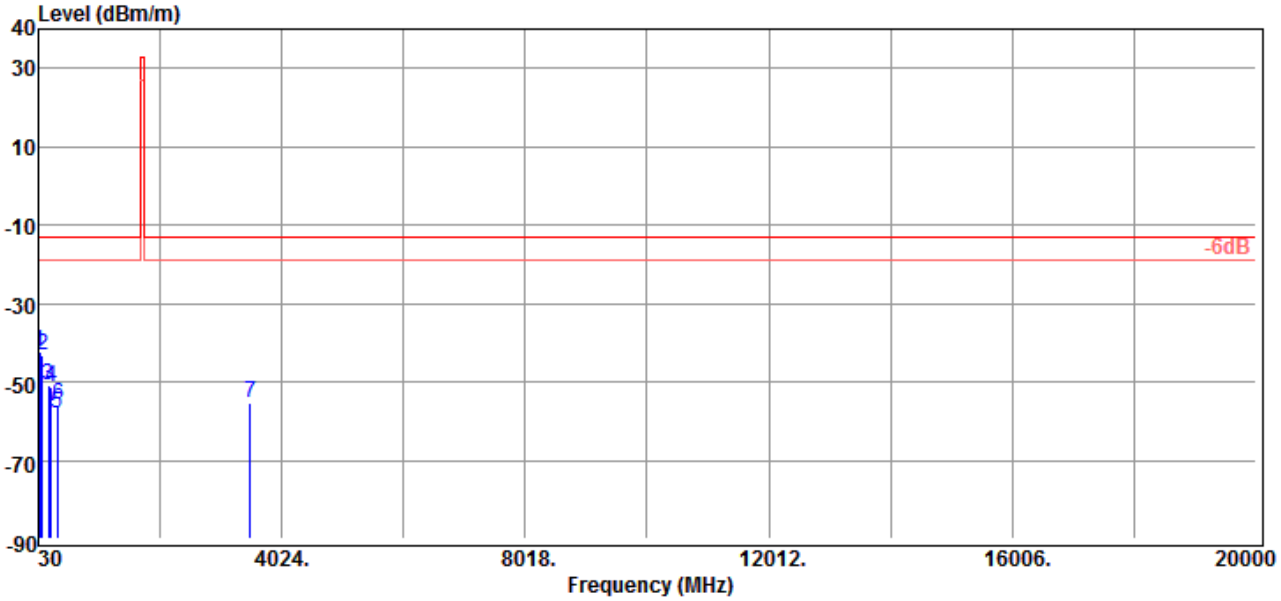
Operation Mode	:WCDMA B4	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1732.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-53.33	-48.52	-4.15	-0.66	-13.00	-40.33
116.33	-61.51	-60.99	0.39	-0.91	-13.00	-48.51
201.69	-54.49	-59.05	5.81	-1.25	-13.00	-41.49
254.07	-48.31	-52.09	5.23	-1.45	-13.00	-35.31
333.61	-51.71	-55.68	5.81	-1.84	-13.00	-38.71
380.17	-60.01	-63.65	5.64	-2.00	-13.00	-47.01
3464.80	-55.19	-60.58	12.23	-6.84	-13.00	-42.19

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

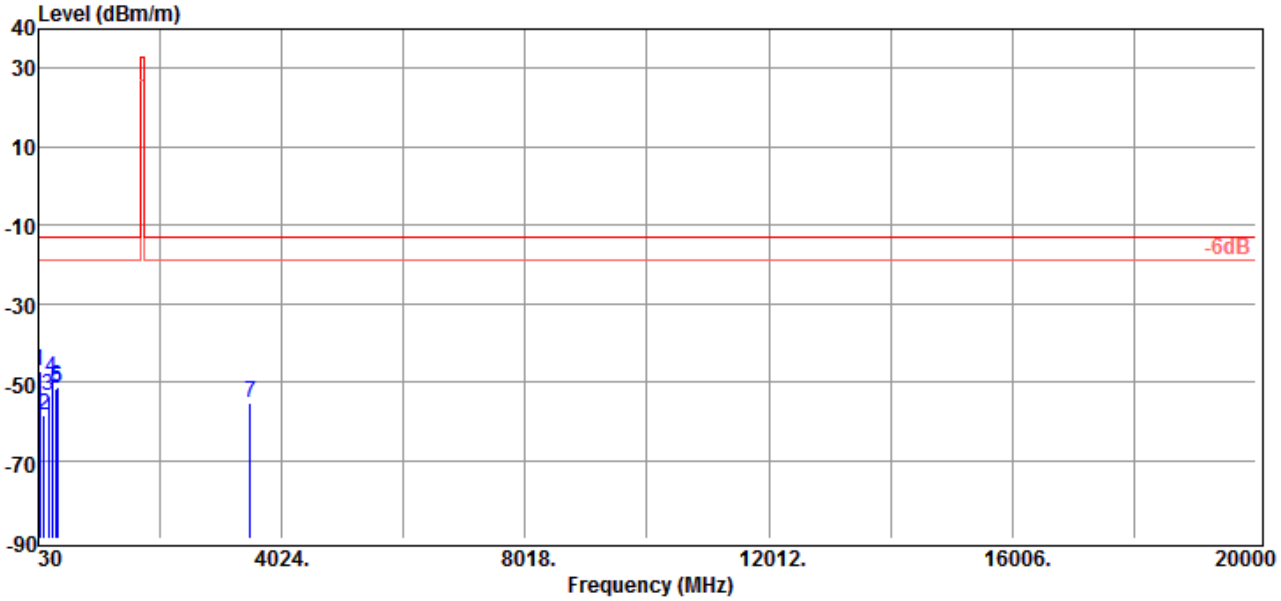
Operation Mode	:WCDMA B4	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1752.6 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-42.28	-37.47	-4.15	-0.66	-13.00	-29.28
96.93	-43.19	-41.71	-0.63	-0.85	-13.00	-30.19
196.84	-50.97	-55.40	5.65	-1.22	-13.00	-37.97
243.40	-51.37	-55.21	5.25	-1.41	-13.00	-38.37
343.31	-57.96	-61.85	5.80	-1.91	-13.00	-44.96
353.01	-55.83	-59.64	5.77	-1.96	-13.00	-42.83
3505.20	-55.37	-60.67	12.30	-7.00	-13.00	-42.37

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:WCDMA B4	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1752.6 MHz	Engineer	:Enzo

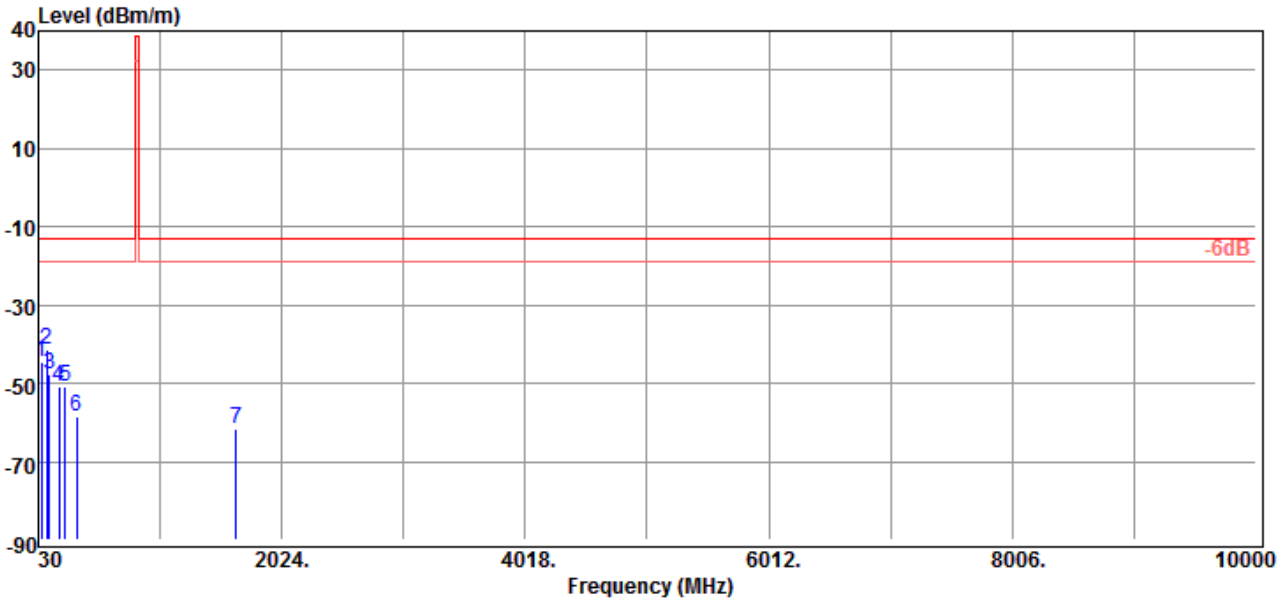


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-47.43	-42.62	-4.15	-0.66	-13.00	-34.43
117.30	-58.68	-58.23	0.46	-0.91	-13.00	-45.68
201.69	-53.58	-58.14	5.81	-1.25	-13.00	-40.58
254.07	-49.28	-53.06	5.23	-1.45	-13.00	-36.28
329.73	-51.92	-55.91	5.81	-1.82	-13.00	-38.92
345.25	-51.14	-55.02	5.80	-1.92	-13.00	-38.14
3505.20	-55.35	-60.65	12.30	-7.00	-13.00	-42.35

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

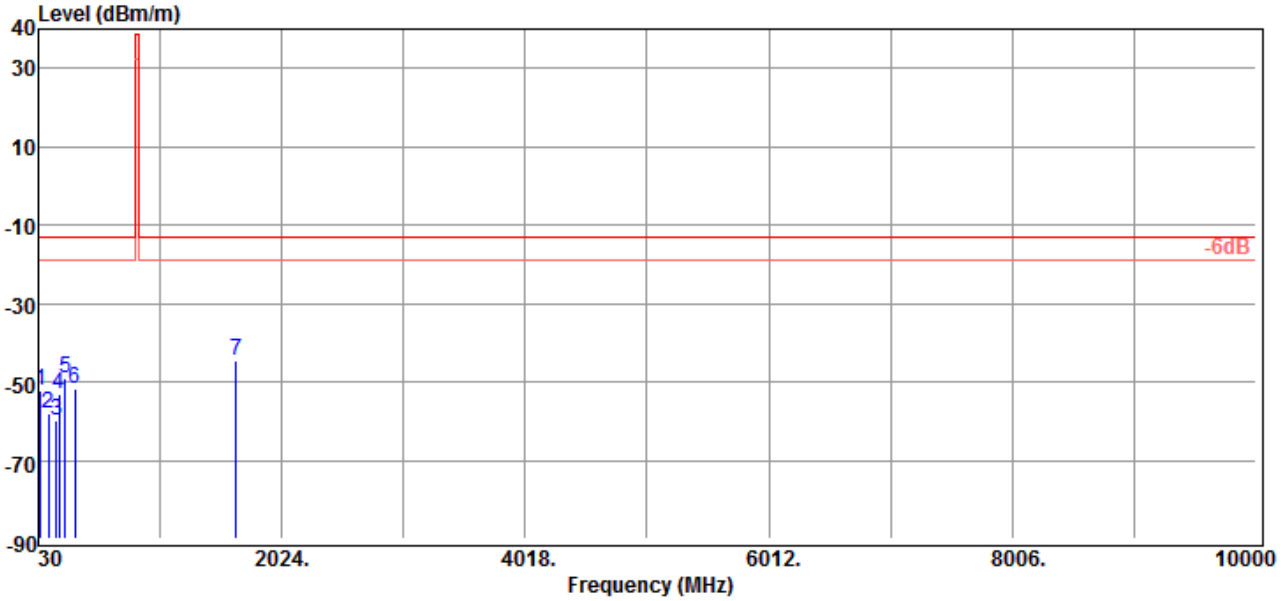
Operation Mode	:WCDMA B5	Test Date	:2018-08-25
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:826.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-44.66	-40.25	-3.75	-0.66	-13.00	-31.66
97.90	-41.55	-39.99	-0.71	-0.85	-13.00	-28.55
119.24	-47.59	-47.26	0.59	-0.92	-13.00	-34.59
197.81	-50.91	-55.38	5.70	-1.23	-13.00	-37.91
247.28	-50.96	-54.73	5.20	-1.43	-13.00	-37.96
340.40	-58.58	-62.49	5.80	-1.89	-13.00	-45.58
1652.80	-61.78	-66.75	8.81	-3.84	-13.00	-48.78

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

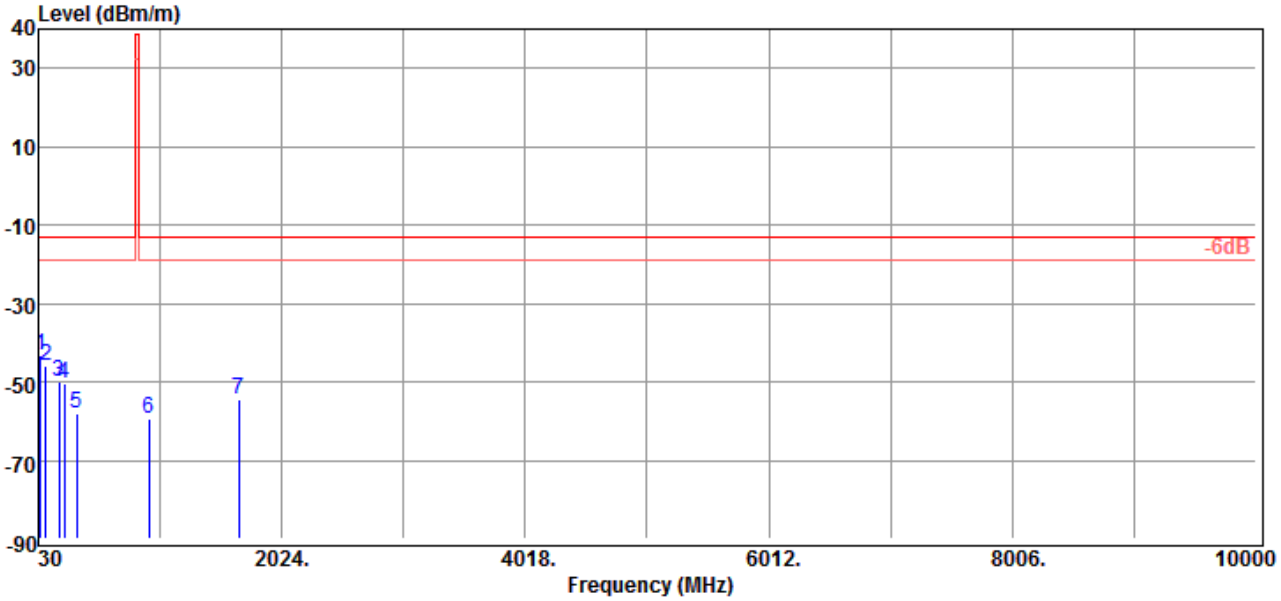
Operation Mode	:WCDMA B5	Test Date	:2018-08-25
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:826.4 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-52.01	-47.20	-4.15	-0.66	-13.00	-39.01
113.42	-58.12	-57.39	0.17	-0.90	-13.00	-45.12
176.47	-60.01	-63.27	4.39	-1.13	-13.00	-47.01
198.78	-53.11	-57.64	5.76	-1.23	-13.00	-40.11
253.10	-49.15	-52.92	5.22	-1.45	-13.00	-36.15
328.76	-51.60	-55.60	5.81	-1.81	-13.00	-38.60
1652.80	-44.52	-49.49	8.81	-3.84	-13.00	-31.52

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

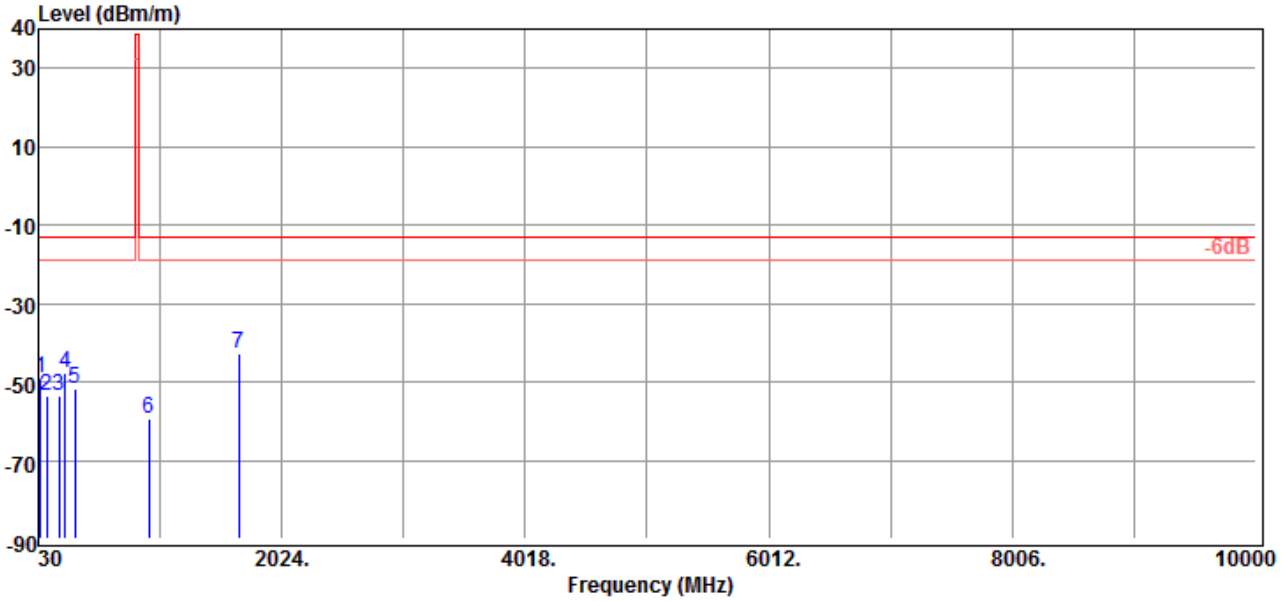
Operation Mode	:WCDMA B5	Test Date	:2018-08-25
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:836.6 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-43.04	-38.23	-4.15	-0.66	-13.00	-30.04
91.11	-46.13	-45.20	-0.11	-0.82	-13.00	-33.13
197.81	-50.15	-54.62	5.70	-1.23	-13.00	-37.15
244.37	-50.26	-54.08	5.24	-1.42	-13.00	-37.26
340.40	-57.87	-61.78	5.80	-1.89	-13.00	-44.87
936.95	-59.40	-64.39	7.64	-2.65	-13.00	-46.40
1673.20	-54.50	-59.54	8.90	-3.86	-13.00	-41.50

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

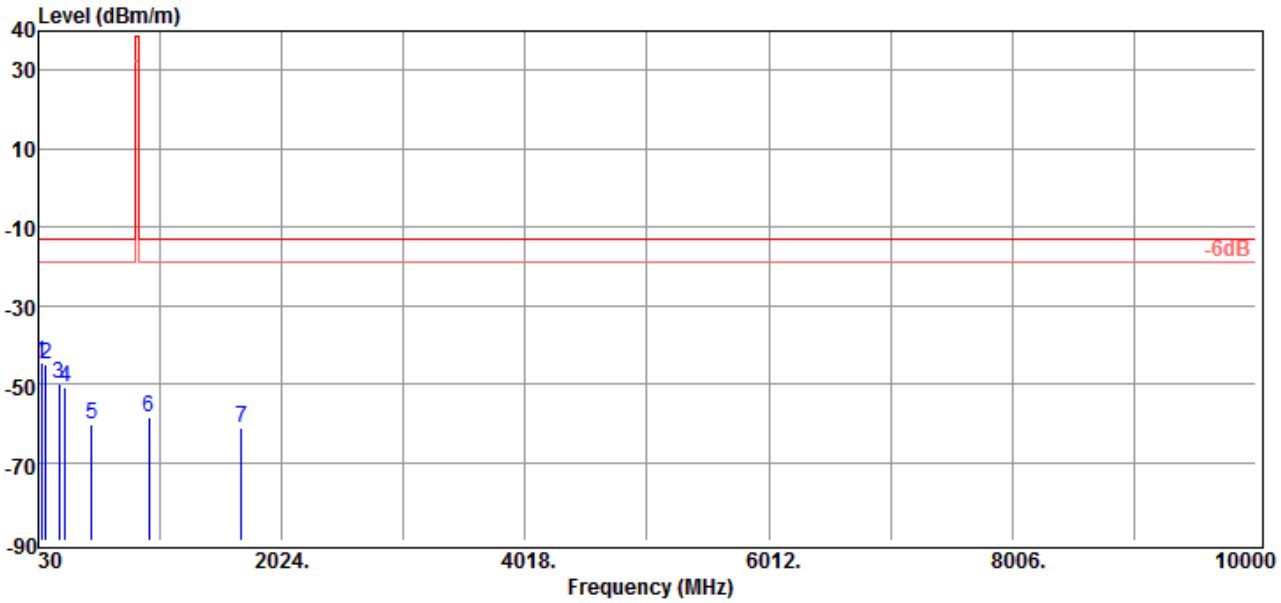
Operation Mode	:WCDMA B5	Test Date	:2018-08-25
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:836.6 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-49.01	-44.20	-4.15	-0.66	-13.00	-36.01
97.90	-53.73	-52.17	-0.71	-0.85	-13.00	-40.73
198.78	-53.34	-57.87	5.76	-1.23	-13.00	-40.34
252.13	-47.93	-51.68	5.20	-1.45	-13.00	-34.93
330.70	-51.83	-55.82	5.81	-1.82	-13.00	-38.83
938.89	-59.55	-64.52	7.64	-2.67	-13.00	-46.55
1673.20	-42.72	-47.76	8.90	-3.86	-13.00	-29.72

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

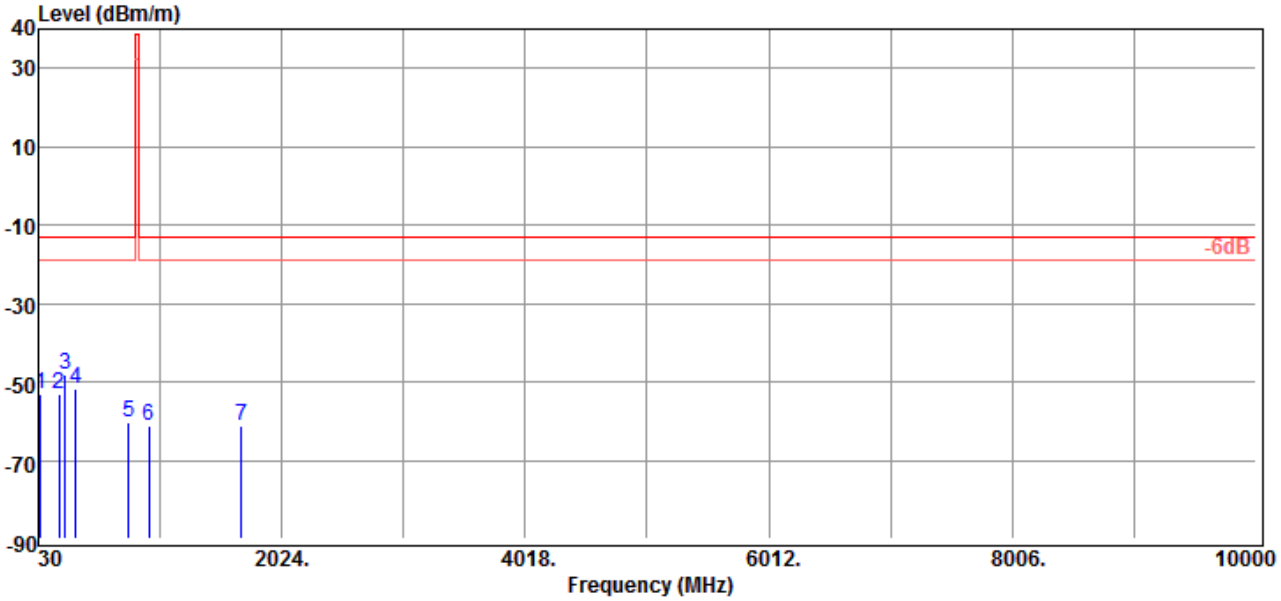
Operation Mode	:WCDMA B5	Test Date	:2018-08-25
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:846.6 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-44.38	-39.97	-3.75	-0.66	-13.00	-31.38
93.05	-44.94	-43.82	-0.29	-0.83	-13.00	-31.94
198.78	-50.12	-54.65	5.76	-1.23	-13.00	-37.12
249.22	-51.04	-54.78	5.18	-1.44	-13.00	-38.04
465.53	-60.40	-64.31	6.14	-2.23	-13.00	-47.40
938.89	-58.33	-63.30	7.64	-2.67	-13.00	-45.33
1693.20	-61.29	-66.38	8.98	-3.89	-13.00	-48.29

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:WCDMA B5	Test Date	:2018-08-25
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:846.6 MHz	Engineer	:Enzo

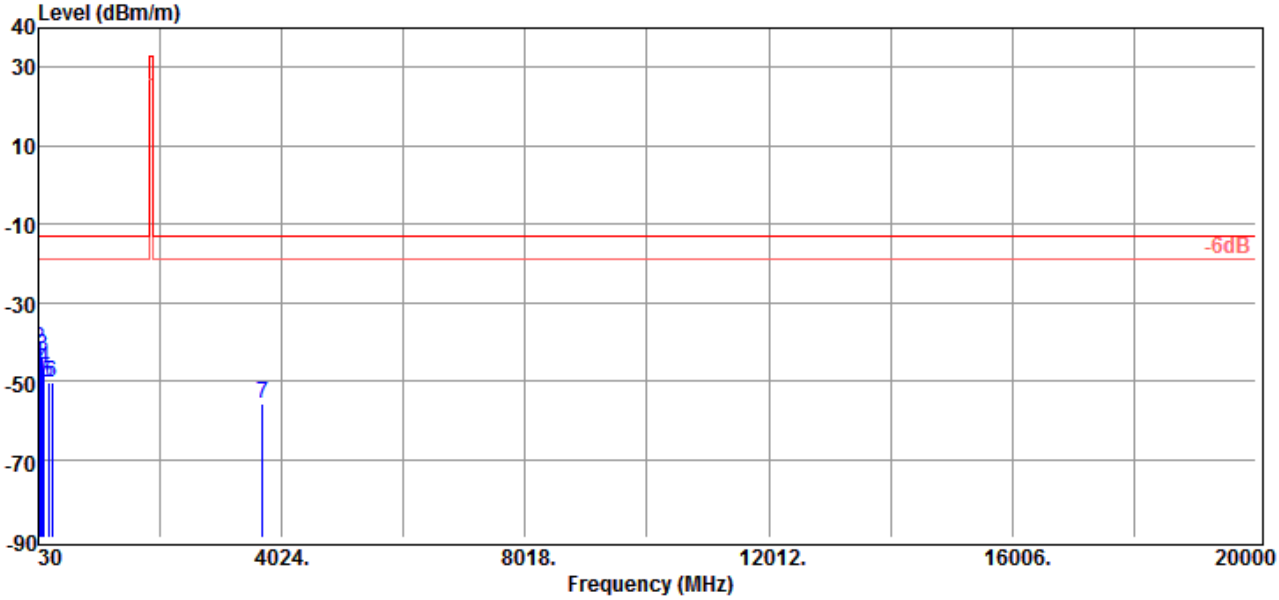


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
50.37	-52.92	-47.71	-4.55	-0.66	-13.00	-39.92
200.72	-53.27	-57.85	5.82	-1.24	-13.00	-40.27
251.16	-48.22	-51.97	5.19	-1.44	-13.00	-35.22
337.49	-51.81	-55.74	5.80	-1.87	-13.00	-38.81
769.14	-60.42	-65.69	7.47	-2.20	-13.00	-47.42
938.89	-60.99	-65.96	7.64	-2.67	-13.00	-47.99
1693.20	-61.08	-66.17	8.98	-3.89	-13.00	-48.08

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

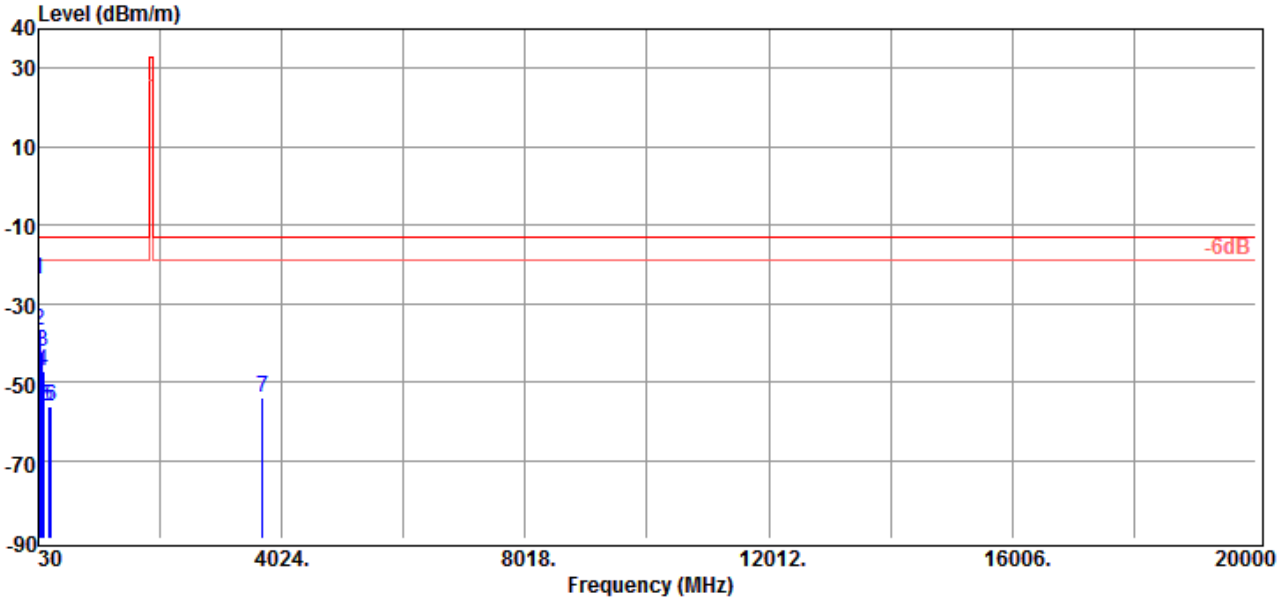
Operation Mode	:LTEB2 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1855 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.97	-45.29	-25.68	-19.15	-0.46	-13.00	-32.29
52.31	-41.79	-37.38	-3.75	-0.66	-13.00	-28.79
94.02	-43.49	-42.29	-0.37	-0.83	-13.00	-30.49
118.27	-46.77	-46.39	0.53	-0.91	-13.00	-33.77
198.78	-50.41	-54.94	5.76	-1.23	-13.00	-37.41
251.16	-50.29	-54.04	5.19	-1.44	-13.00	-37.29
3710.00	-55.77	-61.47	12.43	-6.73	-13.00	-42.77

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
SGS Taiwan Ltd. 台灣檢驗科技股份有限公司
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號
t (886-2) 2299-3279 f (886-2) 2298-0488 www.tw.sgs.com
Member of SGS Group

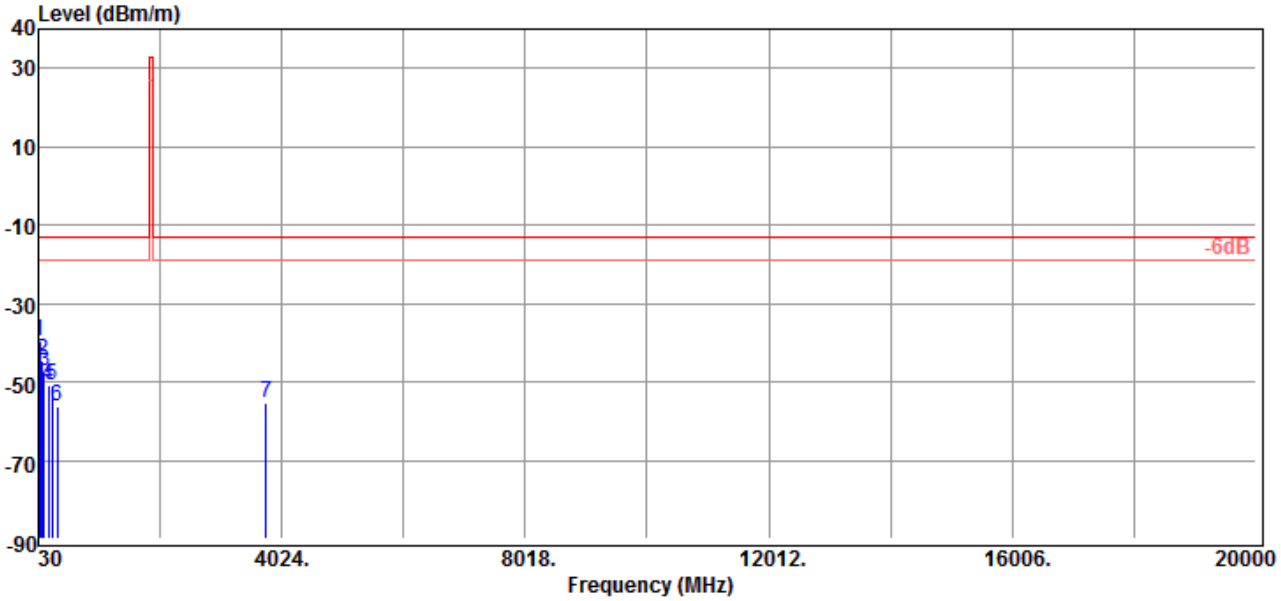
Operation Mode	:LTEB2 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1855 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-24.05	-6.12	-17.44	-0.49	-13.00	-11.05
51.34	-36.85	-32.04	-4.15	-0.66	-13.00	-23.85
97.90	-42.38	-40.82	-0.71	-0.85	-13.00	-29.38
113.42	-47.20	-46.47	0.17	-0.90	-13.00	-34.20
197.81	-56.07	-60.54	5.70	-1.23	-13.00	-43.07
242.43	-56.21	-60.06	5.26	-1.41	-13.00	-43.21
3710.00	-54.17	-59.87	12.43	-6.73	-13.00	-41.17

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

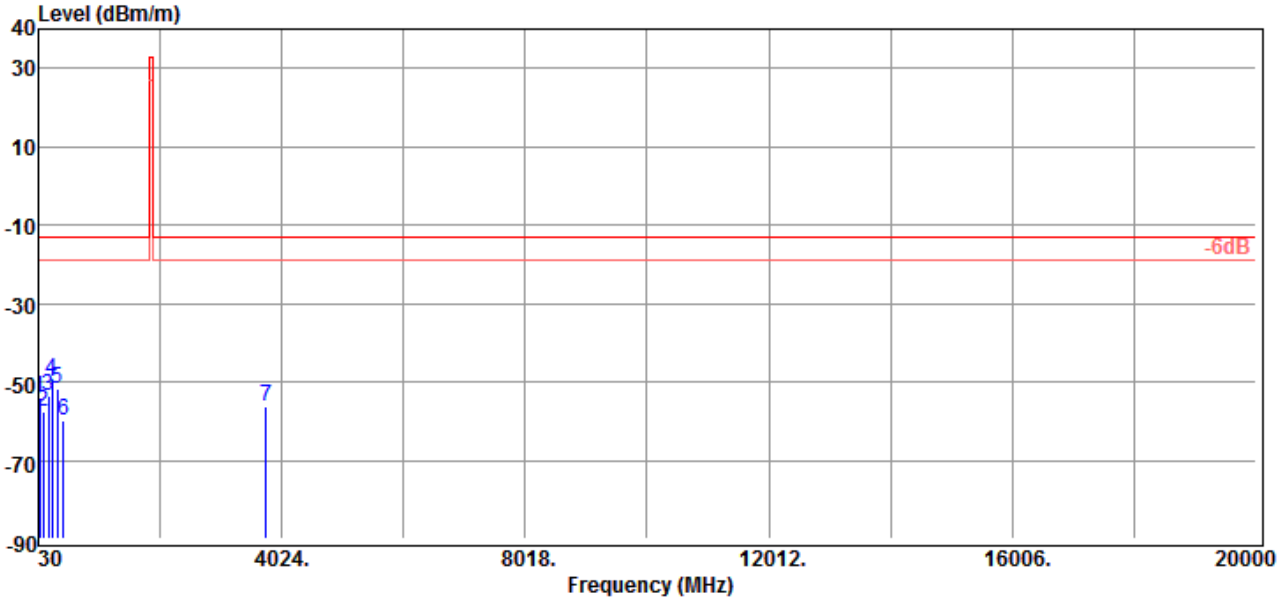
Operation Mode	:LTEB2 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1880 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-39.82	-35.01	-4.15	-0.66	-13.00	-26.82
93.05	-44.79	-43.67	-0.29	-0.83	-13.00	-31.79
118.27	-47.40	-47.02	0.53	-0.91	-13.00	-34.40
196.84	-50.74	-55.17	5.65	-1.22	-13.00	-37.74
248.25	-50.96	-54.72	5.19	-1.43	-13.00	-37.96
337.49	-56.30	-60.23	5.80	-1.87	-13.00	-43.30
3760.00	-55.55	-61.34	12.46	-6.67	-13.00	-42.55

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

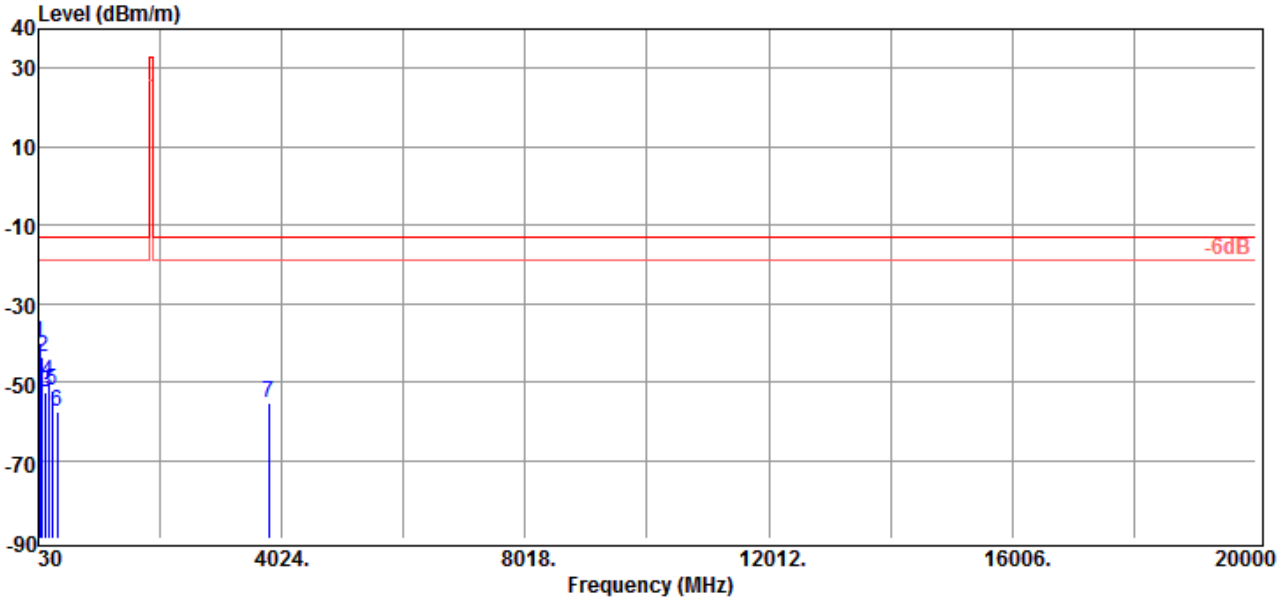
Operation Mode	:LTEB2 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1880 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-53.83	-49.42	-3.75	-0.66	-13.00	-40.83
116.33	-57.76	-57.24	0.39	-0.91	-13.00	-44.76
200.72	-53.53	-58.11	5.82	-1.24	-13.00	-40.53
252.13	-49.32	-53.07	5.20	-1.45	-13.00	-36.32
340.40	-51.67	-55.58	5.80	-1.89	-13.00	-38.67
436.43	-59.66	-63.54	5.93	-2.05	-13.00	-46.66
3760.00	-56.08	-61.87	12.46	-6.67	-13.00	-43.08

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

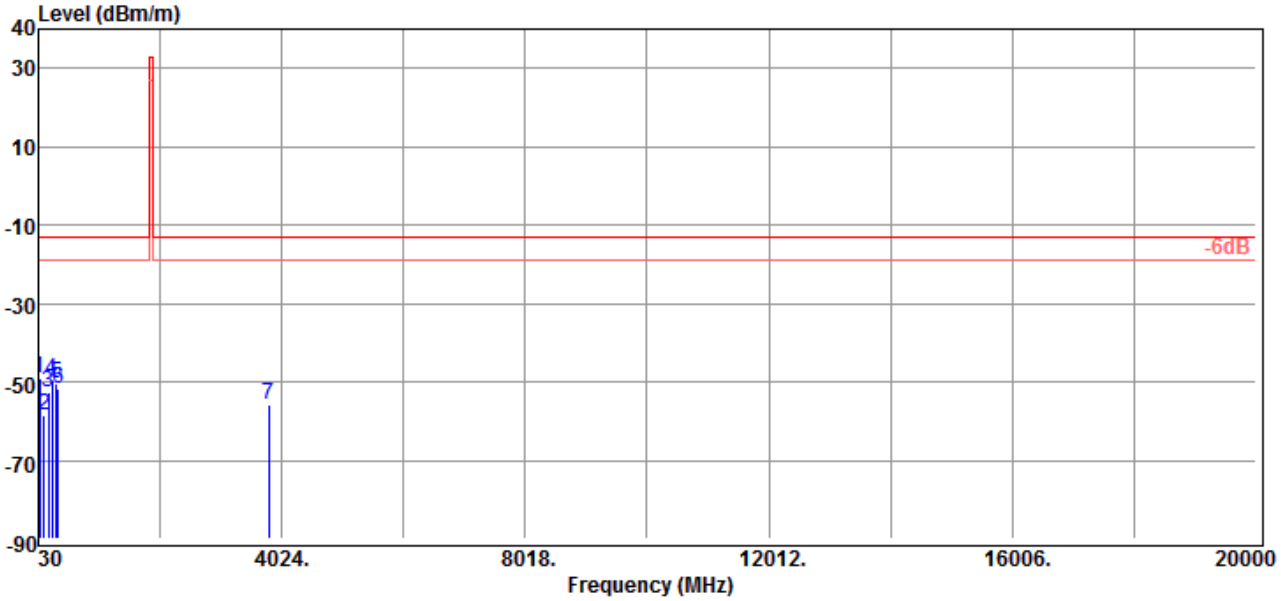
Operation Mode	:LTEB2 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1905 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-40.20	-35.39	-4.15	-0.66	-13.00	-27.20
95.96	-43.81	-42.42	-0.55	-0.84	-13.00	-30.81
148.34	-52.85	-54.29	2.44	-1.00	-13.00	-39.85
195.87	-50.08	-54.45	5.59	-1.22	-13.00	-37.08
250.19	-52.05	-55.78	5.17	-1.44	-13.00	-39.05
339.43	-57.52	-61.44	5.80	-1.88	-13.00	-44.52
3810.00	-55.39	-61.28	12.49	-6.60	-13.00	-42.39

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB2 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1905 MHz	Engineer	:Enzo

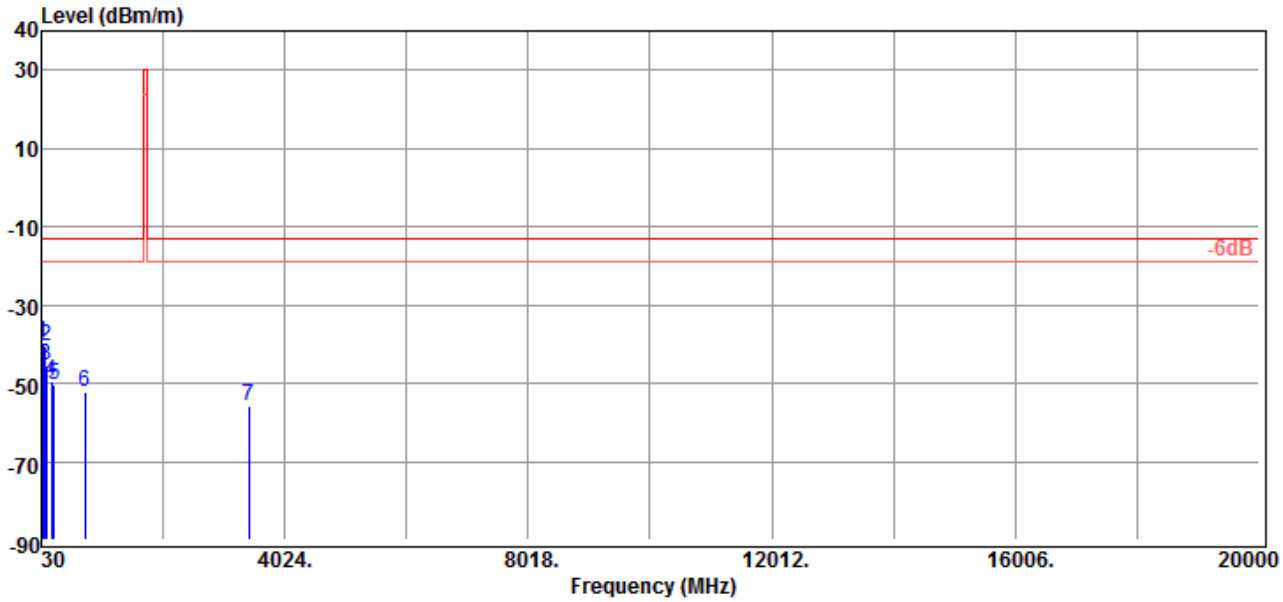


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
52.31	-48.99	-44.58	-3.75	-0.66	-13.00	-35.99
118.27	-58.33	-57.95	0.53	-0.91	-13.00	-45.33
199.75	-52.75	-57.33	5.82	-1.24	-13.00	-39.75
252.13	-49.49	-53.24	5.20	-1.45	-13.00	-36.49
330.70	-50.63	-54.62	5.81	-1.82	-13.00	-37.63
348.16	-51.97	-55.82	5.79	-1.94	-13.00	-38.97
3810.00	-55.73	-61.62	12.49	-6.60	-13.00	-42.73

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

Operation Mode	:LTEB4 20M QPSK RB1,99	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1720 MHz	Engineer	:Enzo

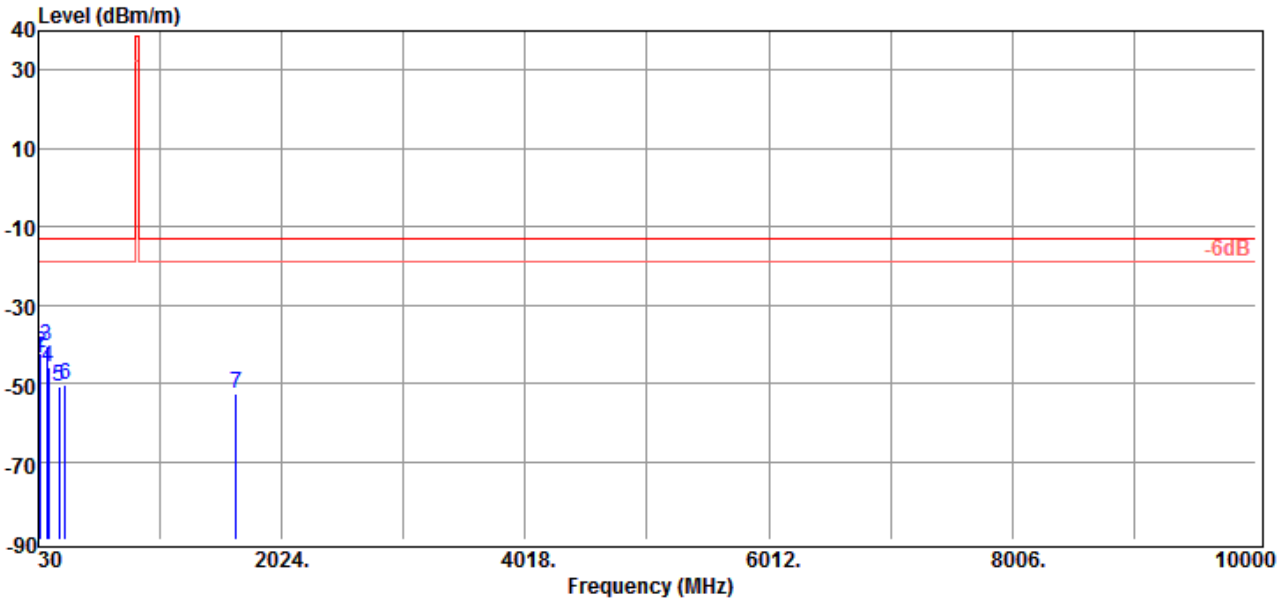


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-39.60	-34.79	-4.15	-0.66	-13.00	-26.60
96.93	-40.60	-39.12	-0.63	-0.85	-13.00	-27.60
114.39	-45.27	-44.61	0.24	-0.90	-13.00	-32.27
200.72	-49.70	-54.28	5.82	-1.24	-13.00	-36.70
246.31	-50.50	-54.28	5.21	-1.43	-13.00	-37.50
747.80	-52.26	-57.61	7.41	-2.06	-13.00	-39.26
3440.00	-55.90	-61.37	12.19	-6.72	-13.00	-42.90

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

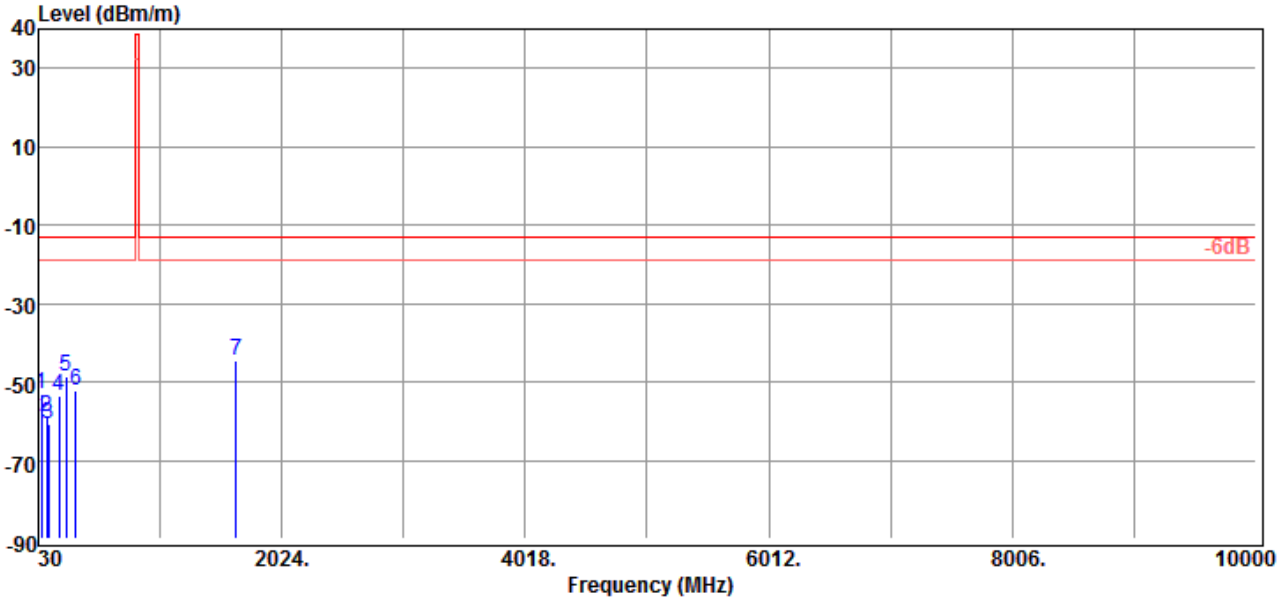
Operation Mode	:LTEB5 5M QPSK RB1,24	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:826.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-43.74	-25.81	-17.44	-0.49	-13.00	-30.74
51.34	-42.41	-37.60	-4.15	-0.66	-13.00	-29.41
95.96	-40.37	-38.98	-0.55	-0.84	-13.00	-27.37
116.33	-45.88	-45.36	0.39	-0.91	-13.00	-32.88
198.78	-50.98	-55.51	5.76	-1.23	-13.00	-37.98
249.22	-50.57	-54.31	5.18	-1.44	-13.00	-37.57
1653.00	-52.77	-57.74	8.81	-3.84	-13.00	-39.77

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

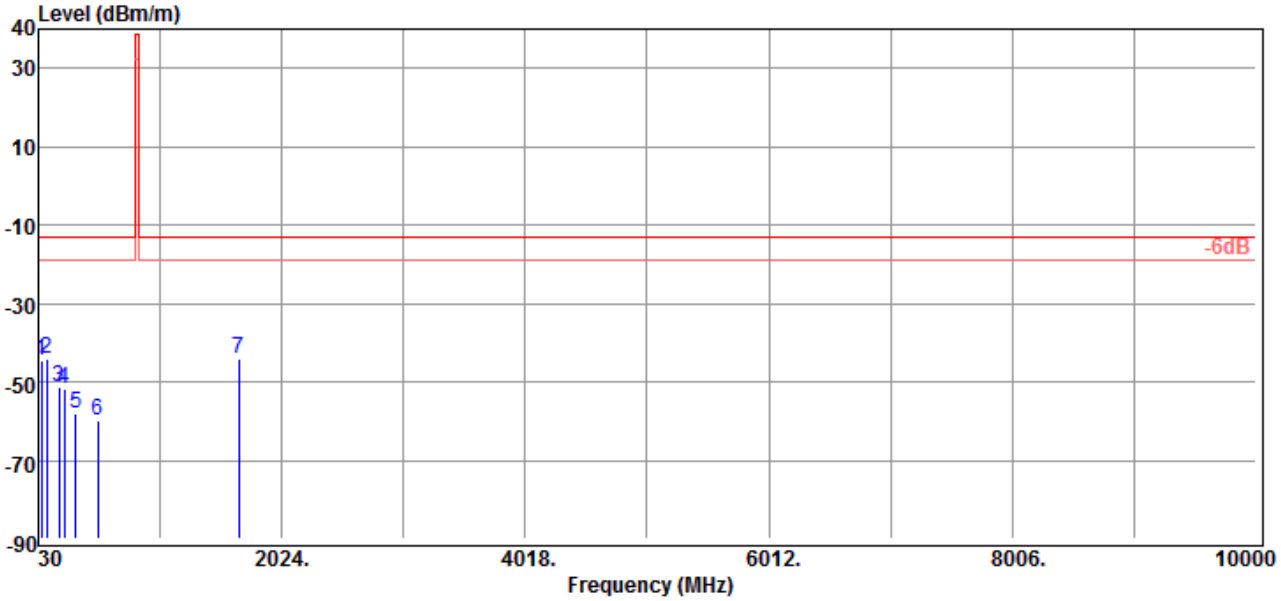
Operation Mode	:LTEB5 5M QPSK RB1,24	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:826.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-52.98	-48.57	-3.75	-0.66	-13.00	-39.98
94.99	-59.16	-57.86	-0.46	-0.84	-13.00	-46.16
109.54	-60.55	-59.54	-0.12	-0.89	-13.00	-47.55
198.78	-53.51	-58.04	5.76	-1.23	-13.00	-40.51
255.04	-48.49	-52.27	5.24	-1.46	-13.00	-35.49
333.61	-52.10	-56.07	5.81	-1.84	-13.00	-39.10
1653.00	-44.60	-49.57	8.81	-3.84	-13.00	-31.60

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

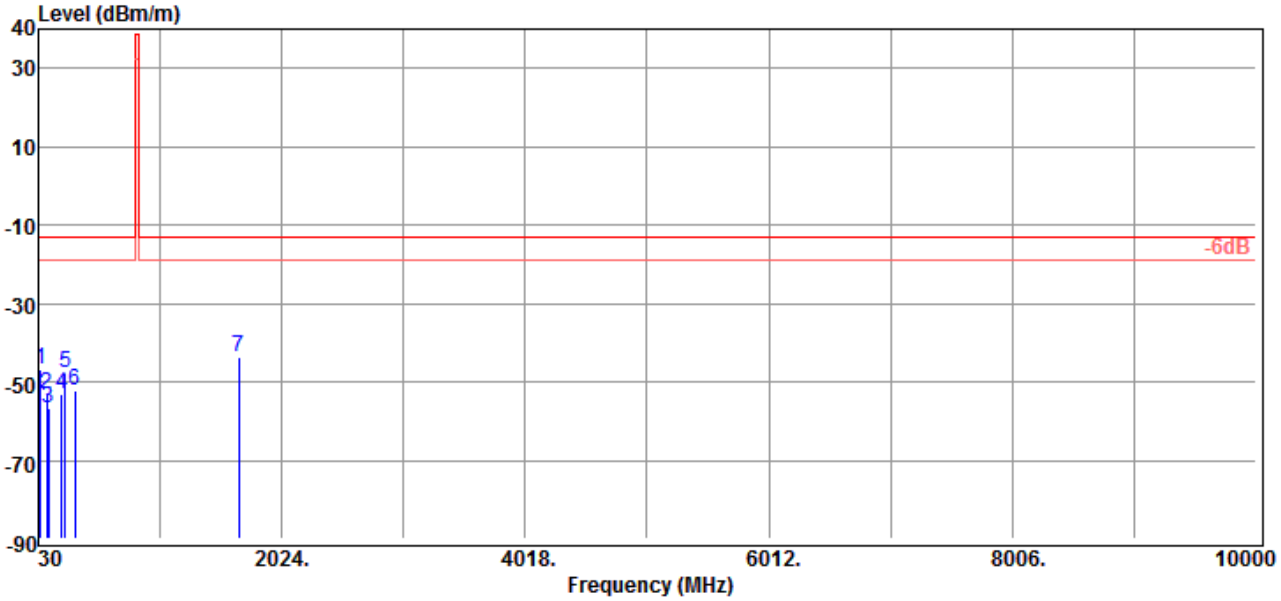
Operation Mode	:LTEB5 5M QPSK RB1,24	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:836.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-44.35	-39.94	-3.75	-0.66	-13.00	-31.35
96.93	-44.25	-42.77	-0.63	-0.85	-13.00	-31.25
198.78	-51.42	-55.95	5.76	-1.23	-13.00	-38.42
241.46	-51.83	-55.69	5.27	-1.41	-13.00	-38.83
338.46	-58.01	-61.94	5.80	-1.87	-13.00	-45.01
515.97	-60.00	-63.74	6.27	-2.53	-13.00	-47.00
1673.00	-44.16	-49.20	8.90	-3.86	-13.00	-31.16

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

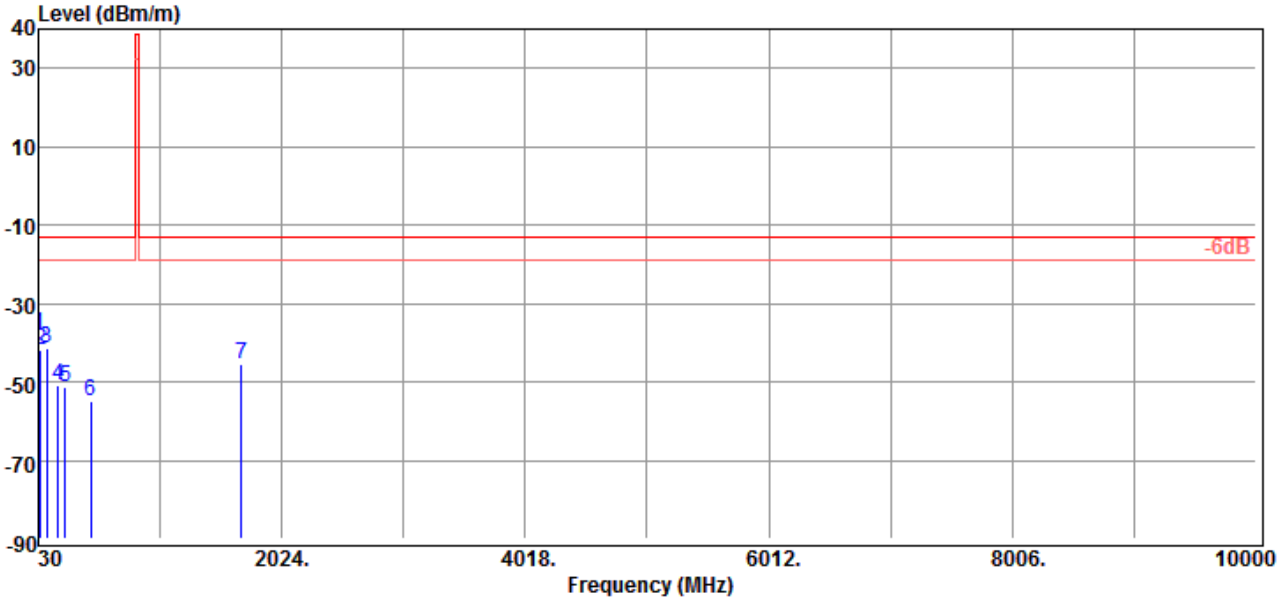
Operation Mode	:LTEB5 5M QPSK RB1,24	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:836.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-46.63	-41.42	-4.55	-0.66	-13.00	-33.63
95.96	-53.33	-51.94	-0.55	-0.84	-13.00	-40.33
113.42	-56.52	-55.79	0.17	-0.90	-13.00	-43.52
220.12	-53.07	-57.30	5.55	-1.32	-13.00	-40.07
250.19	-47.54	-51.27	5.17	-1.44	-13.00	-34.54
331.67	-52.04	-56.02	5.81	-1.83	-13.00	-39.04
1673.00	-43.84	-48.88	8.90	-3.86	-13.00	-30.84

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

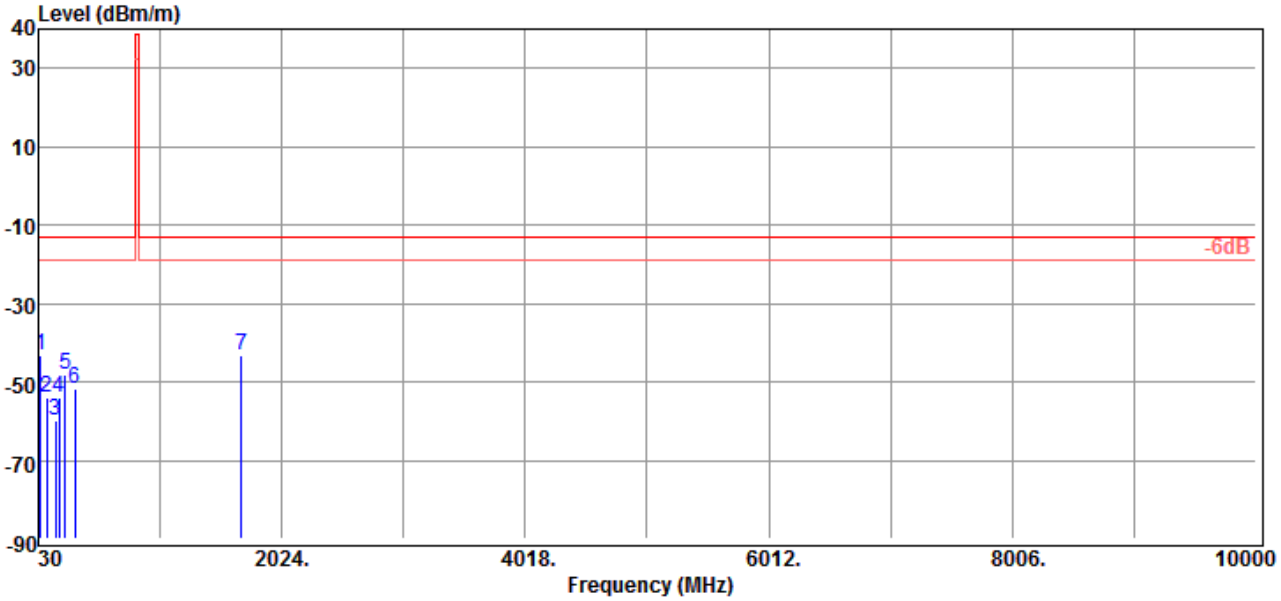
Operation Mode	:LTEB5 5M QPSK RB1,24	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:846.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-37.79	-18.18	-19.15	-0.46	-13.00	-24.79
50.37	-41.94	-36.73	-4.55	-0.66	-13.00	-28.94
98.87	-41.47	-39.81	-0.80	-0.86	-13.00	-28.47
194.90	-50.74	-55.05	5.53	-1.22	-13.00	-37.74
248.25	-51.31	-55.07	5.19	-1.43	-13.00	-38.31
456.80	-54.95	-58.91	6.10	-2.14	-13.00	-41.95
1693.00	-45.39	-50.48	8.98	-3.89	-13.00	-32.39

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB5 5M QPSK RB1,24	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:846.5 MHz	Engineer	:Enzo

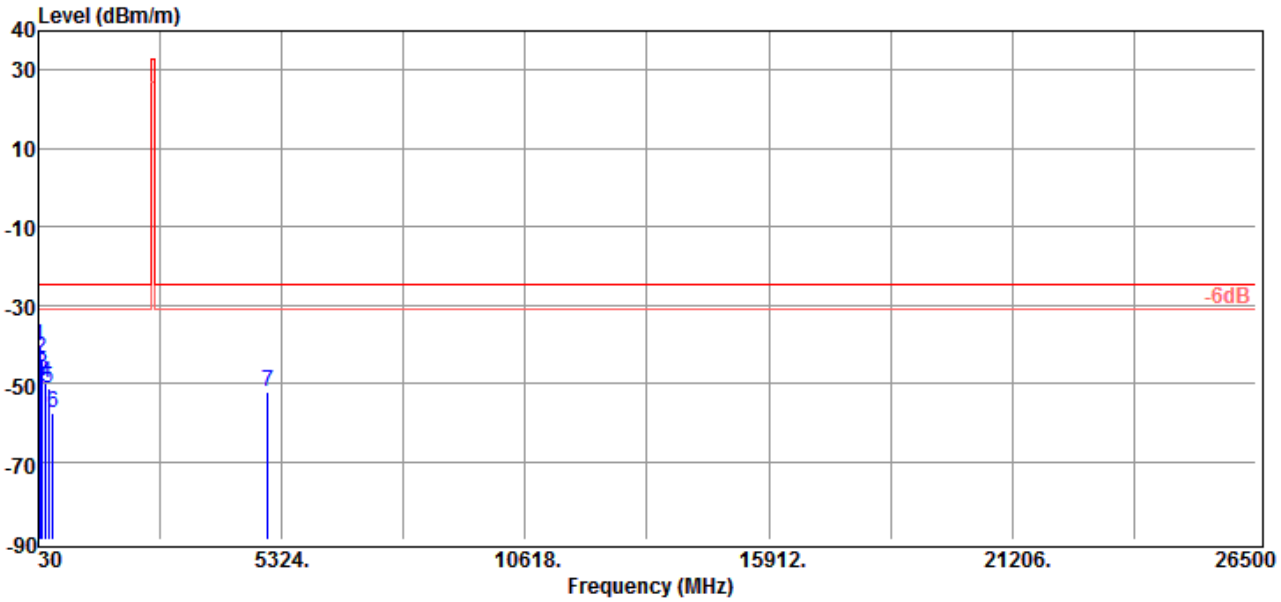


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-43.02	-35.98	-6.40	-0.64	-13.00	-30.02
96.93	-53.93	-52.45	-0.63	-0.85	-13.00	-40.93
173.56	-59.76	-62.85	4.20	-1.11	-13.00	-46.76
202.66	-53.95	-58.49	5.79	-1.25	-13.00	-40.95
248.25	-48.08	-51.84	5.19	-1.43	-13.00	-35.08
326.82	-51.63	-55.65	5.82	-1.80	-13.00	-38.63
1693.00	-43.29	-48.38	8.98	-3.89	-13.00	-30.29

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

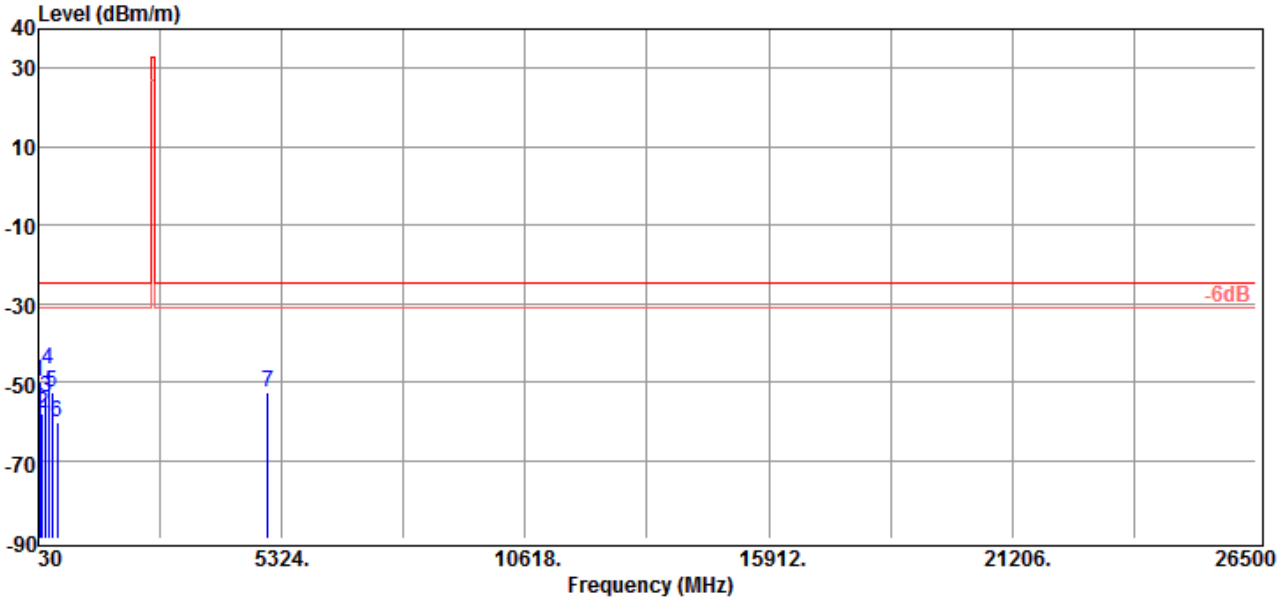
Operation Mode	:LTEB7 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2510 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-40.45	-35.64	-4.15	-0.66	-25.00	-15.45
94.02	-43.53	-42.33	-0.37	-0.83	-25.00	-18.53
115.36	-47.52	-46.93	0.32	-0.91	-25.00	-22.52
198.78	-50.07	-54.60	5.76	-1.23	-25.00	-25.07
249.22	-51.45	-55.19	5.18	-1.44	-25.00	-26.45
338.46	-57.41	-61.34	5.80	-1.87	-25.00	-32.41
5020.00	-52.26	-57.97	12.52	-6.81	-25.00	-27.26

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

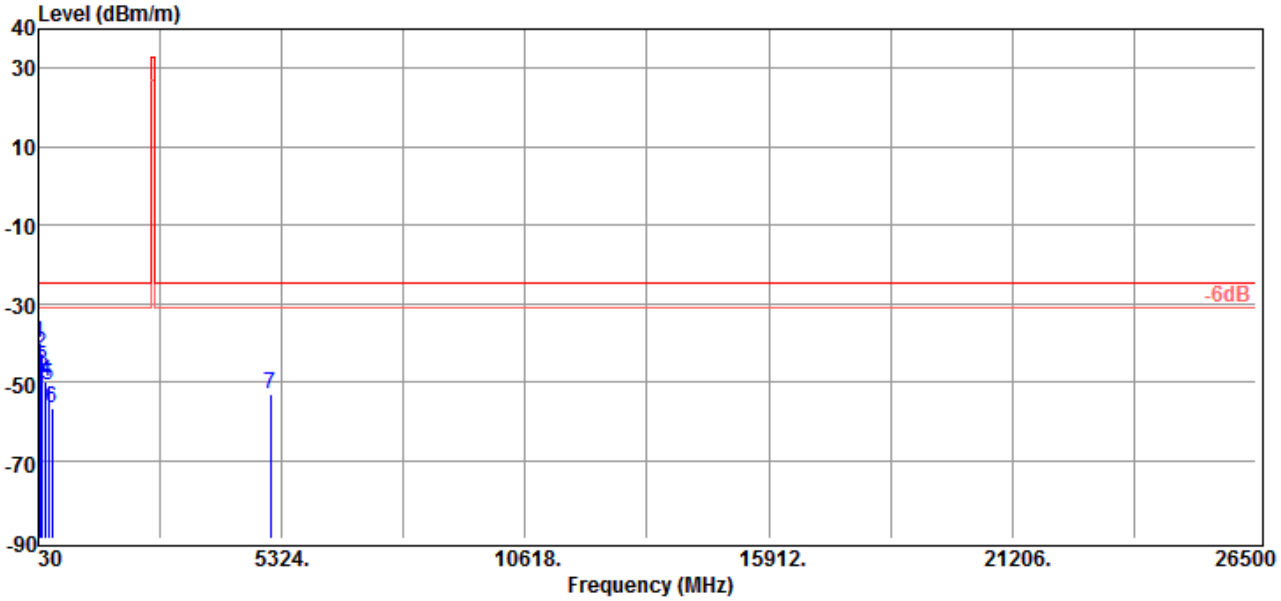
Operation Mode	:LTEB7 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2510 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-49.76	-44.55	-4.55	-0.66	-25.00	-24.76
120.21	-58.08	-57.82	0.66	-0.92	-25.00	-33.08
198.78	-53.90	-58.43	5.76	-1.23	-25.00	-28.90
255.04	-46.72	-50.50	5.24	-1.46	-25.00	-21.72
334.58	-52.55	-56.51	5.81	-1.85	-25.00	-27.55
437.40	-60.18	-64.07	5.94	-2.05	-25.00	-35.18
5020.00	-52.83	-58.54	12.52	-6.81	-25.00	-27.83

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

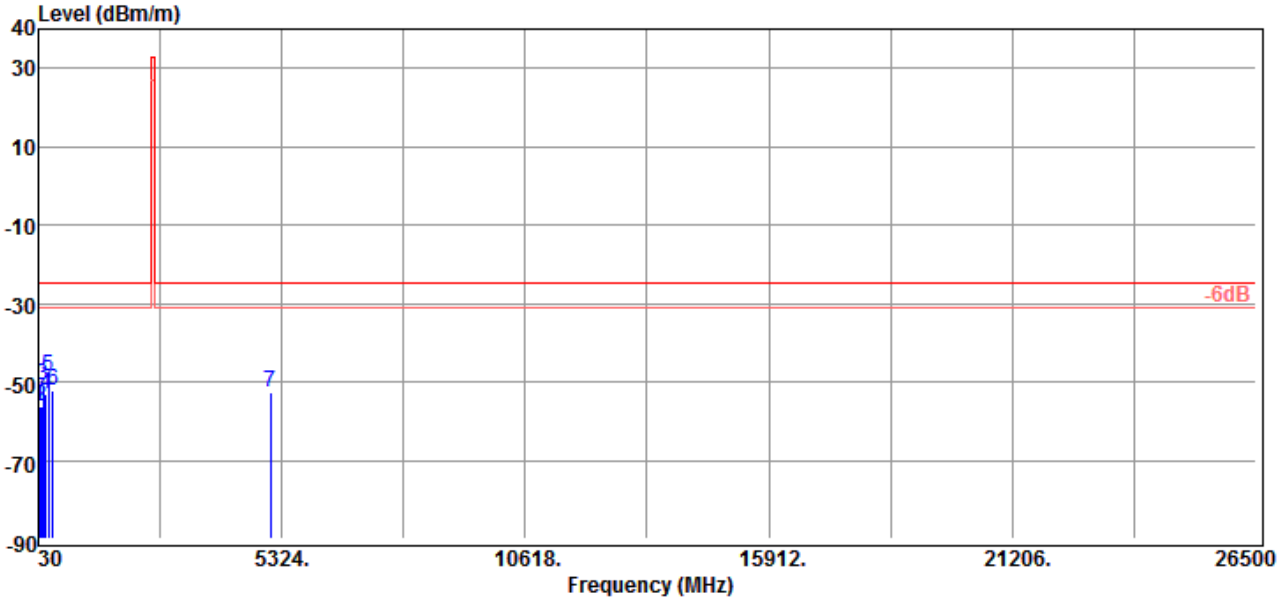
Operation Mode	:LTEB7 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2535 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-40.20	-35.79	-3.75	-0.66	-25.00	-15.20
93.05	-42.81	-41.69	-0.29	-0.83	-25.00	-17.81
115.36	-47.47	-46.88	0.32	-0.91	-25.00	-22.47
199.75	-49.83	-54.41	5.82	-1.24	-25.00	-24.83
248.25	-50.88	-54.64	5.19	-1.43	-25.00	-25.88
335.55	-56.73	-60.69	5.81	-1.85	-25.00	-31.73
5070.00	-53.21	-59.02	12.57	-6.76	-25.00	-28.21

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

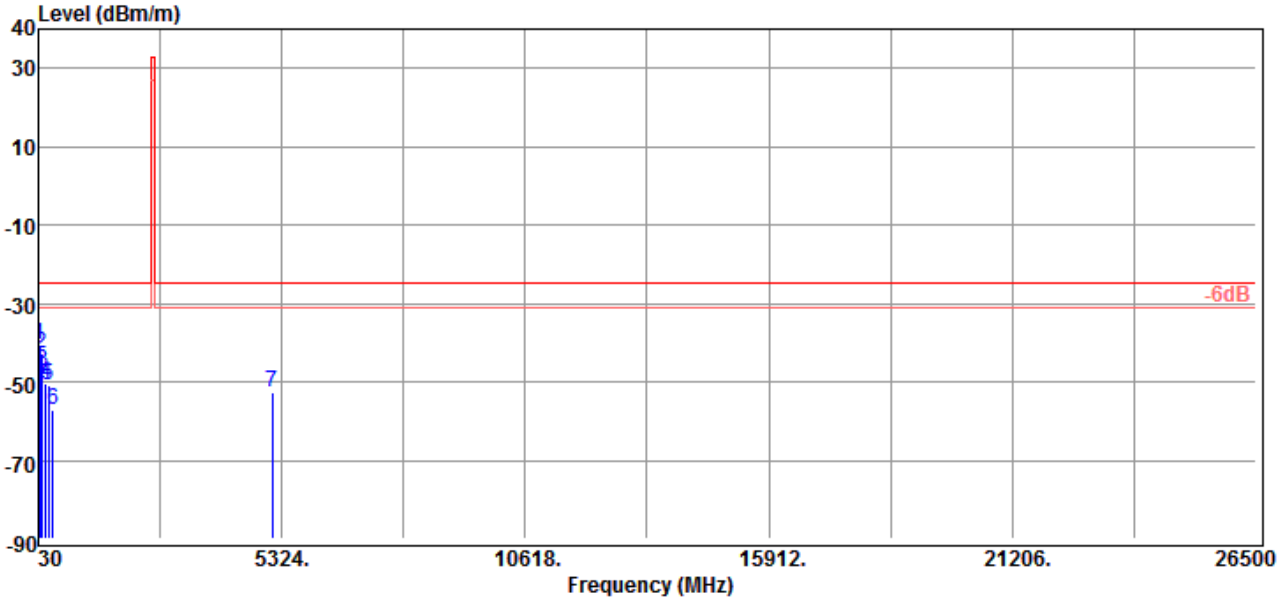
Operation Mode	:LTEB7 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2535 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-56.16	-51.35	-4.15	-0.66	-25.00	-31.16
94.02	-56.24	-55.04	-0.37	-0.83	-25.00	-31.24
136.70	-50.71	-51.50	1.75	-0.96	-25.00	-25.71
198.78	-53.14	-57.67	5.76	-1.23	-25.00	-28.14
251.16	-48.66	-52.41	5.19	-1.44	-25.00	-23.66
336.52	-52.35	-56.30	5.81	-1.86	-25.00	-27.35
5070.00	-52.45	-58.26	12.57	-6.76	-25.00	-27.45

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

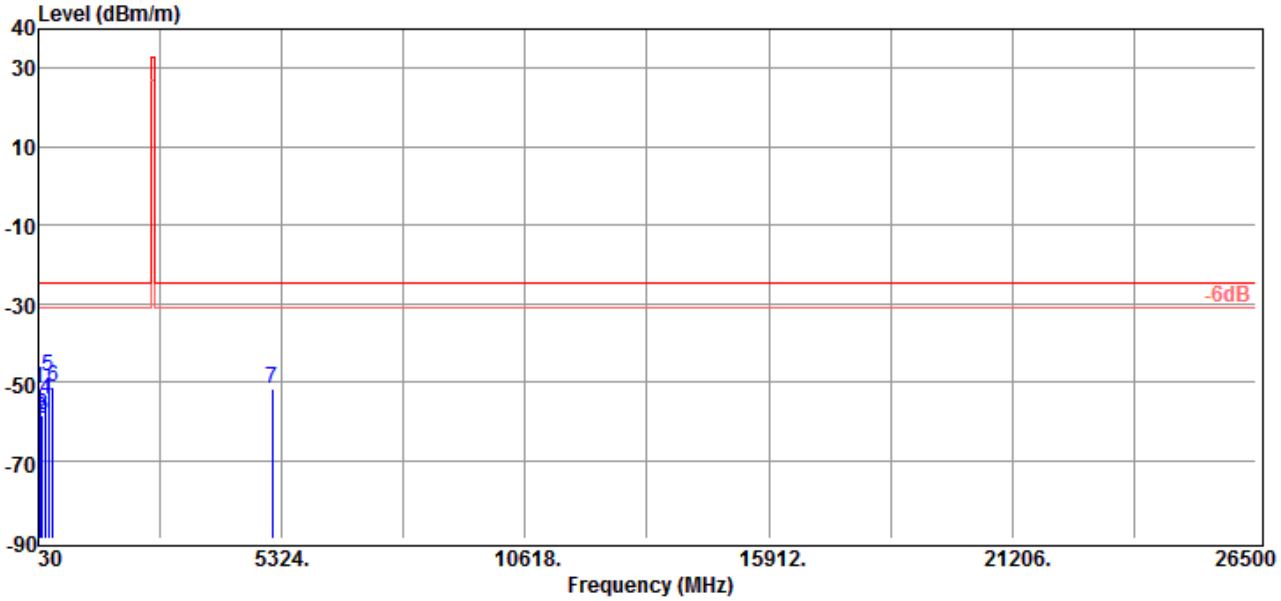
Operation Mode	:LTEB7 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2560 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-40.37	-35.56	-4.15	-0.66	-25.00	-15.37
99.84	-42.68	-40.94	-0.88	-0.86	-25.00	-17.68
118.27	-47.19	-46.81	0.53	-0.91	-25.00	-22.19
198.78	-50.53	-55.06	5.76	-1.23	-25.00	-25.53
249.22	-50.67	-54.41	5.18	-1.44	-25.00	-25.67
339.43	-57.25	-61.17	5.80	-1.88	-25.00	-32.25
5120.00	-52.54	-58.45	12.62	-6.71	-25.00	-27.54

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB7 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2560 MHz	Engineer	:Enzo

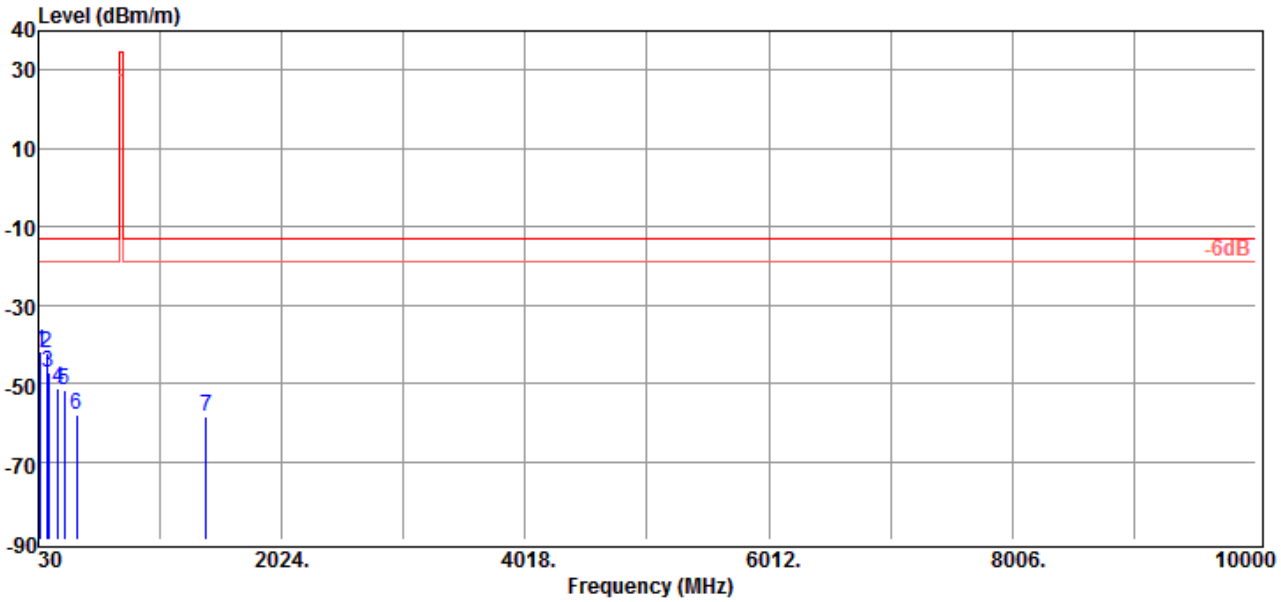


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-51.68	-46.87	-4.15	-0.66	-25.00	-26.68
96.93	-59.57	-58.09	-0.63	-0.85	-25.00	-34.57
114.39	-58.66	-58.00	0.24	-0.90	-25.00	-33.66
197.81	-54.63	-59.10	5.70	-1.23	-25.00	-29.63
251.16	-48.74	-52.49	5.19	-1.44	-25.00	-23.74
336.52	-51.49	-55.44	5.81	-1.86	-25.00	-26.49
5120.00	-51.85	-57.76	12.62	-6.71	-25.00	-26.85

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

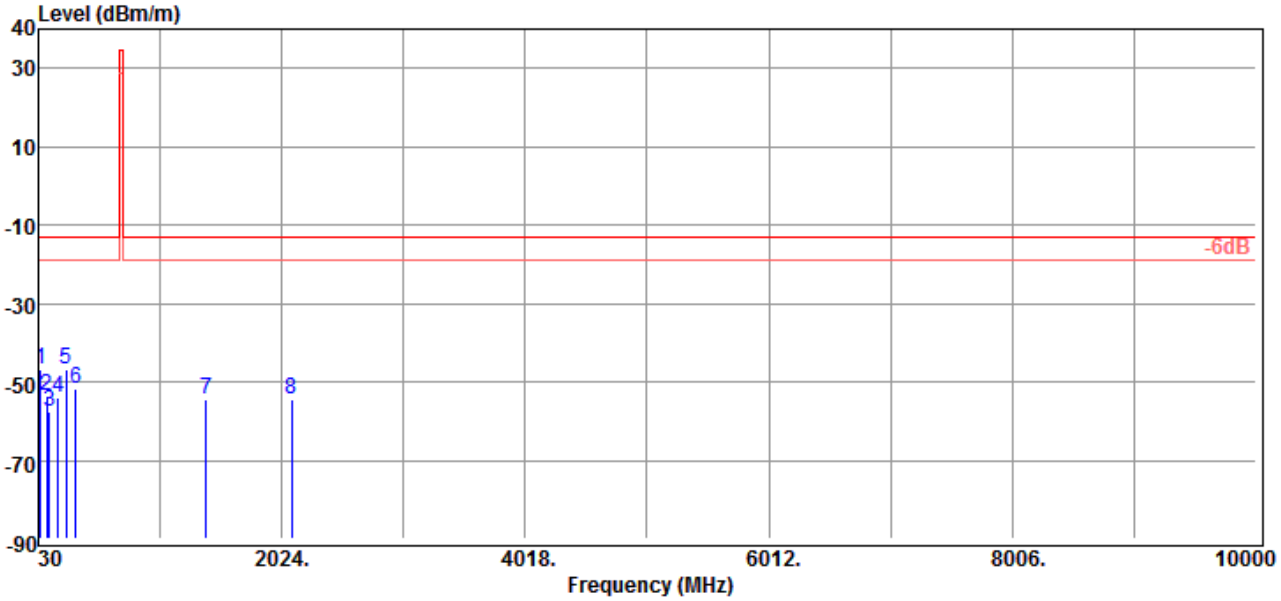
Operation Mode	:LTEB12 5M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:701.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-42.06	-37.25	-4.15	-0.66	-13.00	-29.06
95.96	-42.32	-40.93	-0.55	-0.84	-13.00	-29.32
115.36	-47.26	-46.67	0.32	-0.91	-13.00	-34.26
195.87	-51.19	-55.56	5.59	-1.22	-13.00	-38.19
240.49	-51.71	-55.59	5.28	-1.40	-13.00	-38.71
341.37	-57.86	-61.77	5.80	-1.89	-13.00	-44.86
1403.00	-58.69	-62.91	7.70	-3.48	-13.00	-45.69

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

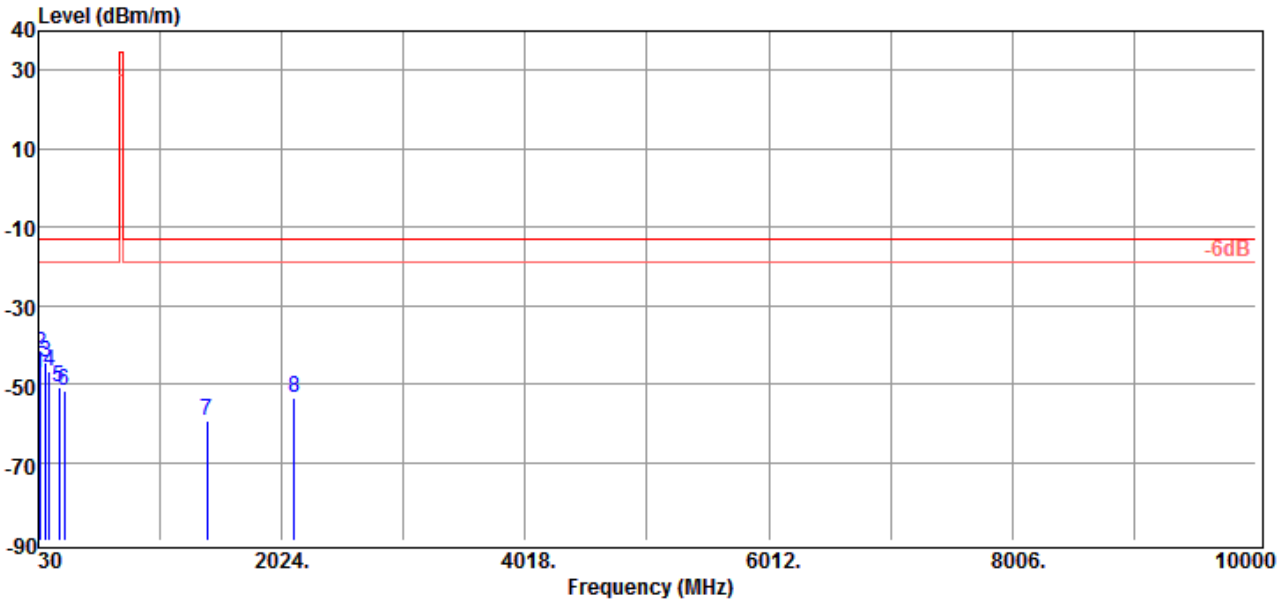
Operation Mode	:LTEB12 5M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:701.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-47.03	-42.22	-4.15	-0.66	-13.00	-34.03
97.90	-53.79	-52.23	-0.71	-0.85	-13.00	-40.79
121.18	-57.66	-57.47	0.73	-0.92	-13.00	-44.66
191.99	-53.87	-58.03	5.36	-1.20	-13.00	-40.87
254.07	-46.91	-50.69	5.23	-1.45	-13.00	-33.91
338.46	-51.93	-55.86	5.80	-1.87	-13.00	-38.93
1403.00	-54.64	-58.86	7.70	-3.48	-13.00	-41.64
2104.50	-54.48	-60.49	10.31	-4.30	-13.00	-41.48

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

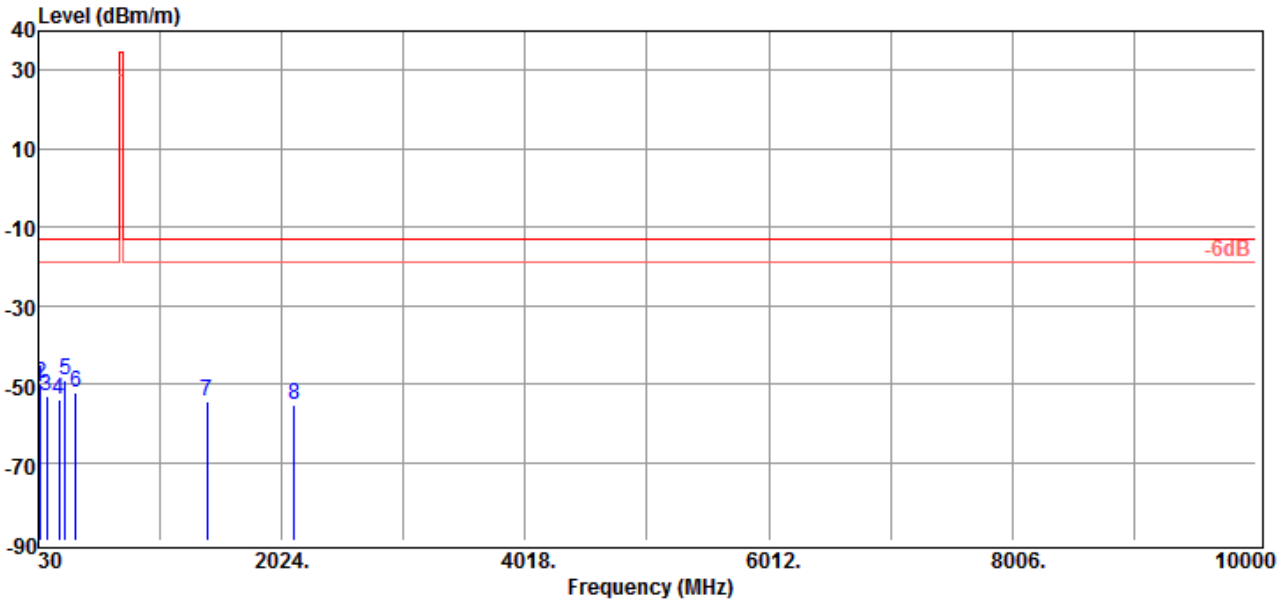
Operation Mode	:LTEB12 5M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:707.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-47.18	-31.59	-15.06	-0.53	-13.00	-34.18
51.34	-42.24	-37.43	-4.15	-0.66	-13.00	-29.24
93.05	-44.37	-43.25	-0.29	-0.83	-13.00	-31.37
118.27	-46.70	-46.32	0.53	-0.91	-13.00	-33.70
197.81	-51.08	-55.55	5.70	-1.23	-13.00	-38.08
243.40	-51.58	-55.42	5.25	-1.41	-13.00	-38.58
1415.00	-59.50	-63.75	7.75	-3.50	-13.00	-46.50
2122.50	-53.58	-59.60	10.33	-4.31	-13.00	-40.58

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

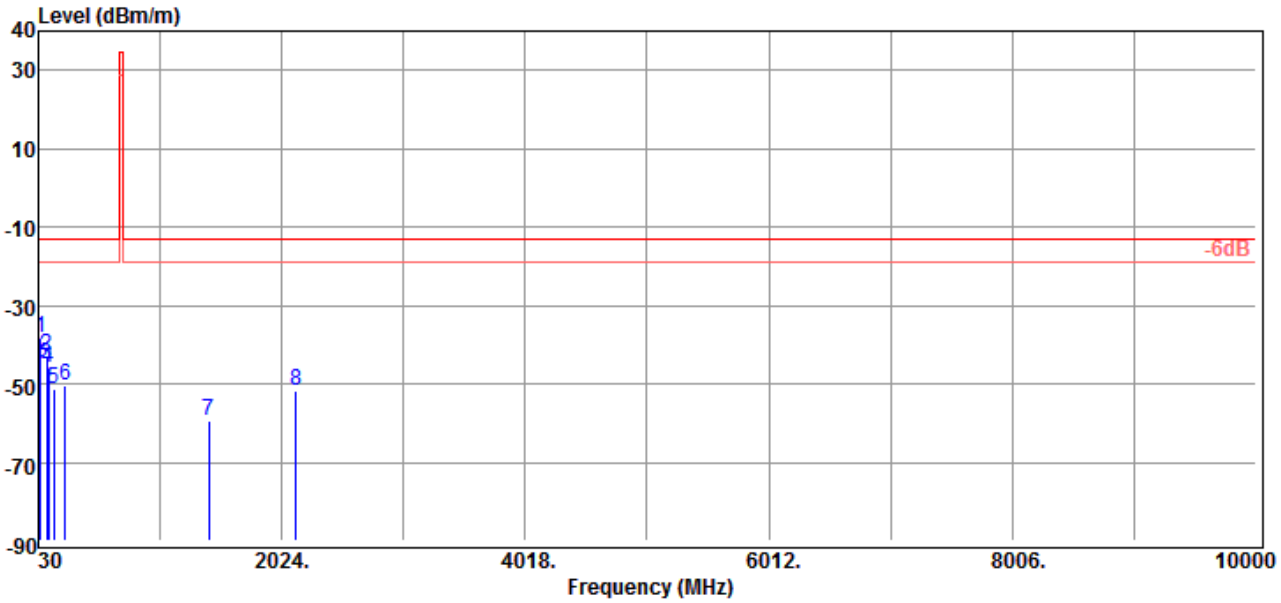
Operation Mode	:LTEB12 5M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:707.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-50.71	-30.22	-20.05	-0.44	-13.00	-37.71
51.34	-49.91	-45.10	-4.15	-0.66	-13.00	-36.91
97.90	-53.28	-51.72	-0.71	-0.85	-13.00	-40.28
201.69	-54.14	-58.70	5.81	-1.25	-13.00	-41.14
252.13	-48.87	-52.62	5.20	-1.45	-13.00	-35.87
337.49	-52.27	-56.20	5.80	-1.87	-13.00	-39.27
1415.00	-54.33	-58.58	7.75	-3.50	-13.00	-41.33
2122.50	-55.55	-61.57	10.33	-4.31	-13.00	-42.55

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

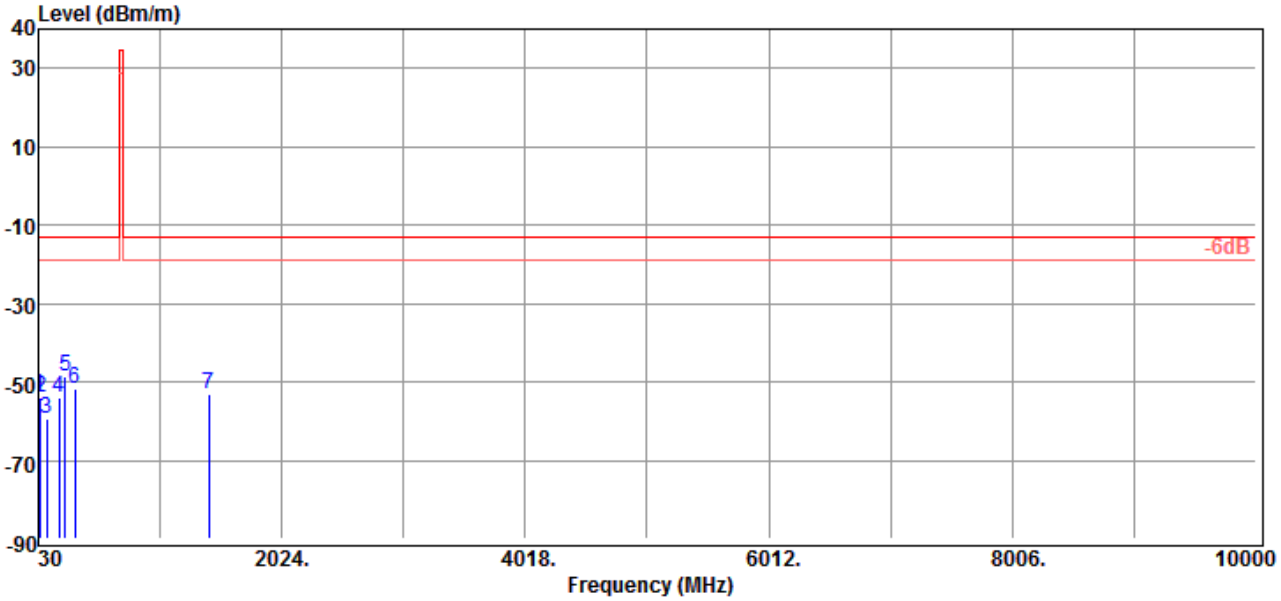
Operation Mode	:LTEB12 5M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:713.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-38.35	-31.95	-5.75	-0.65	-13.00	-25.35
95.96	-42.76	-41.37	-0.55	-0.84	-13.00	-29.76
98.87	-45.14	-43.48	-0.80	-0.86	-13.00	-32.14
114.39	-45.78	-45.12	0.24	-0.90	-13.00	-32.78
159.01	-51.37	-53.53	3.20	-1.04	-13.00	-38.37
251.16	-50.26	-54.01	5.19	-1.44	-13.00	-37.26
1427.00	-59.63	-63.91	7.80	-3.52	-13.00	-46.63
2140.50	-51.93	-57.97	10.35	-4.31	-13.00	-38.93

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB12 5M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:713.5 MHz	Engineer	:Enzo

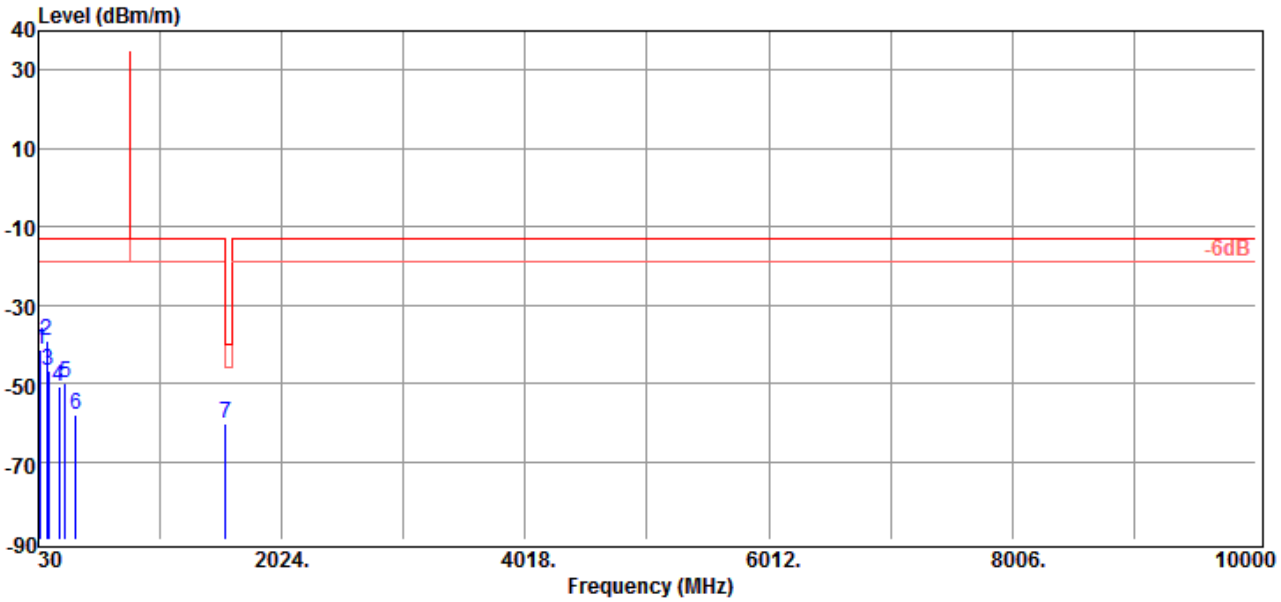


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.00	-53.54	-33.05	-20.05	-0.44	-13.00	-40.54
49.40	-53.93	-48.17	-5.10	-0.66	-13.00	-40.93
95.96	-59.30	-57.91	-0.55	-0.84	-13.00	-46.30
199.75	-53.81	-58.39	5.82	-1.24	-13.00	-40.81
251.16	-48.58	-52.33	5.19	-1.44	-13.00	-35.58
332.64	-51.65	-55.62	5.81	-1.84	-13.00	-38.65
1427.00	-53.16	-57.44	7.80	-3.52	-13.00	-40.16

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

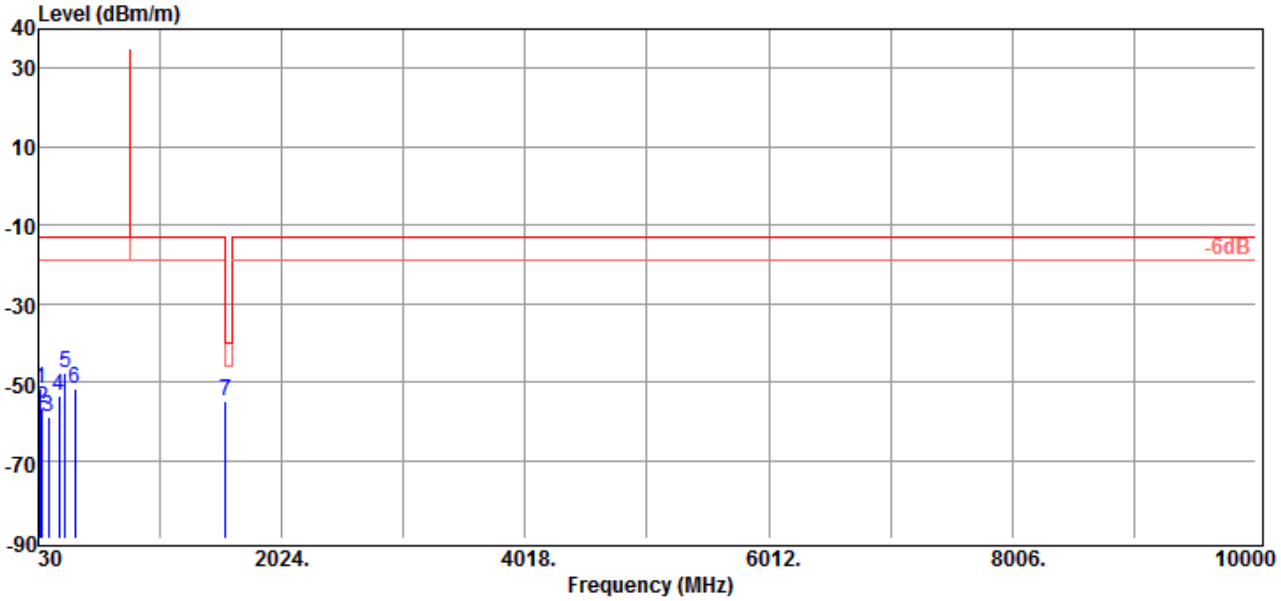
Operation Mode	:LTEB13 10M QPSK RB1,25	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:782 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-41.57	-36.36	-4.55	-0.66	-13.00	-28.57
96.93	-39.27	-37.79	-0.63	-0.85	-13.00	-26.27
111.48	-46.70	-45.83	0.03	-0.90	-13.00	-33.70
197.81	-50.81	-55.28	5.70	-1.23	-13.00	-37.81
251.16	-49.90	-53.65	5.19	-1.44	-13.00	-36.90
334.58	-57.97	-61.93	5.81	-1.85	-13.00	-44.97
1564.00	-60.45	-65.13	8.40	-3.72	-40.00	-20.45

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB13 10M QPSK RB1,25	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:782 MHz	Engineer	:Enzo

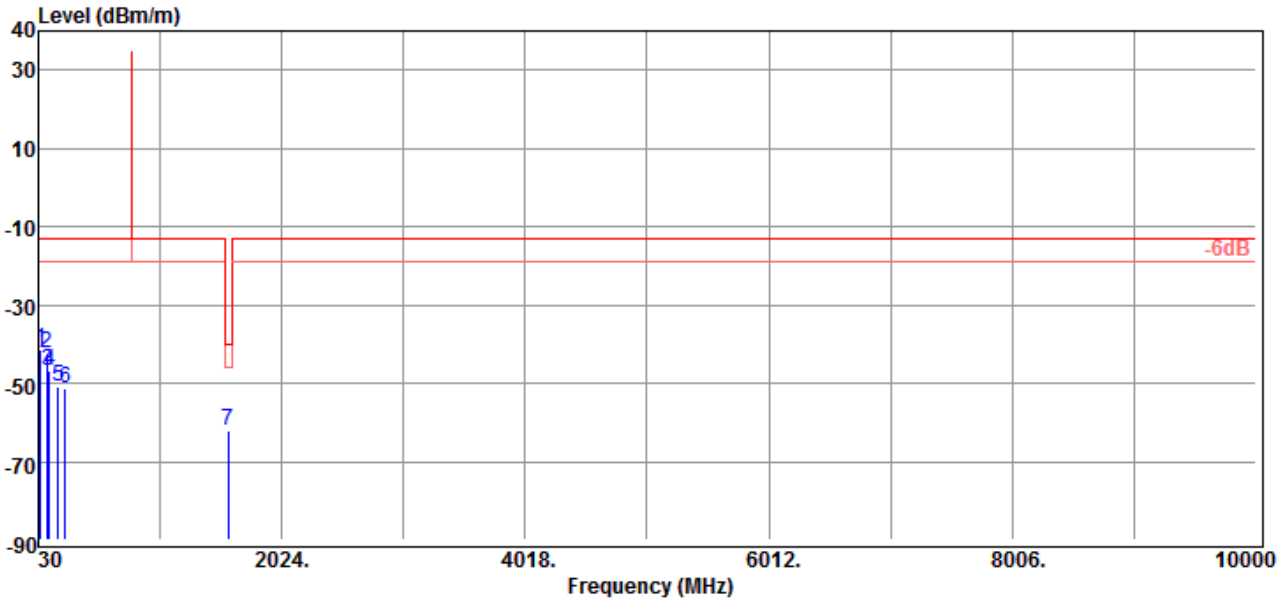


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-51.59	-46.78	-4.15	-0.66	-13.00	-38.59
61.04	-56.92	-55.58	-0.68	-0.66	-13.00	-43.92
116.33	-58.98	-58.46	0.39	-0.91	-13.00	-45.98
202.66	-53.54	-58.08	5.79	-1.25	-13.00	-40.54
253.10	-47.52	-51.29	5.22	-1.45	-13.00	-34.52
330.70	-51.82	-55.81	5.81	-1.82	-13.00	-38.82
1564.00	-54.88	-59.56	8.40	-3.72	-40.00	-14.88

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

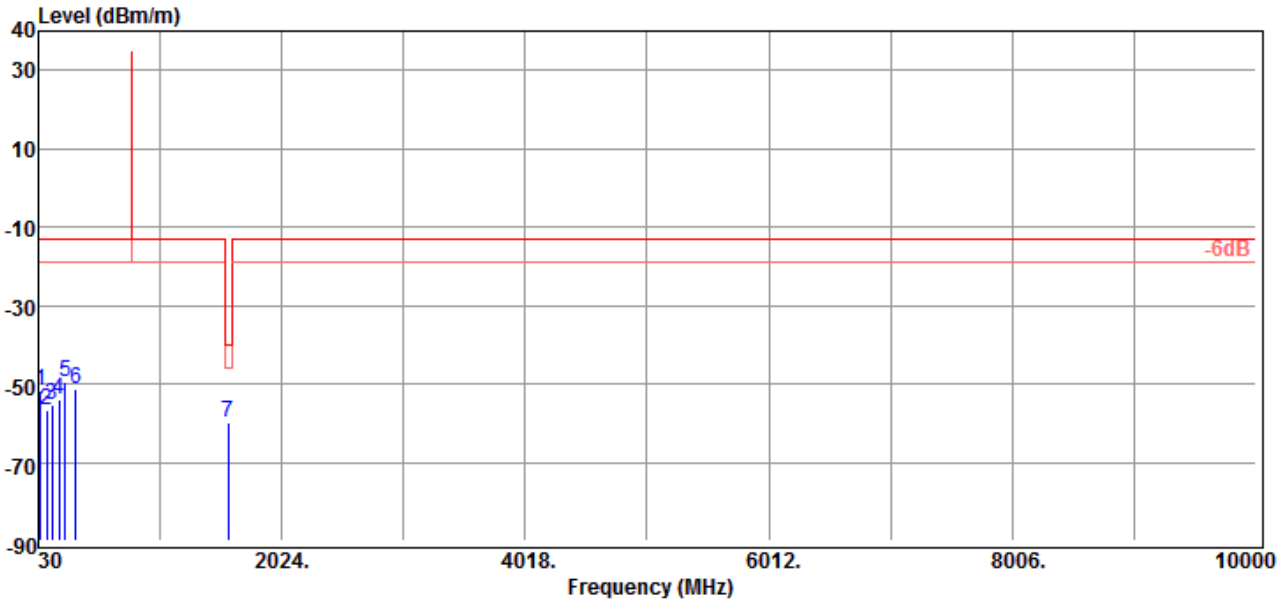
Operation Mode	:LTEB14 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:793 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-41.31	-36.10	-4.55	-0.66	-13.00	-28.31
99.84	-42.18	-40.44	-0.88	-0.86	-13.00	-29.18
110.51	-46.60	-45.66	-0.05	-0.89	-13.00	-33.60
117.30	-46.80	-46.35	0.46	-0.91	-13.00	-33.80
190.05	-50.78	-54.83	5.24	-1.19	-13.00	-37.78
251.16	-51.34	-55.09	5.19	-1.44	-13.00	-38.34
1586.00	-62.00	-66.76	8.51	-3.75	-40.00	-22.00

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB14 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:793 MHz	Engineer	:Enzo

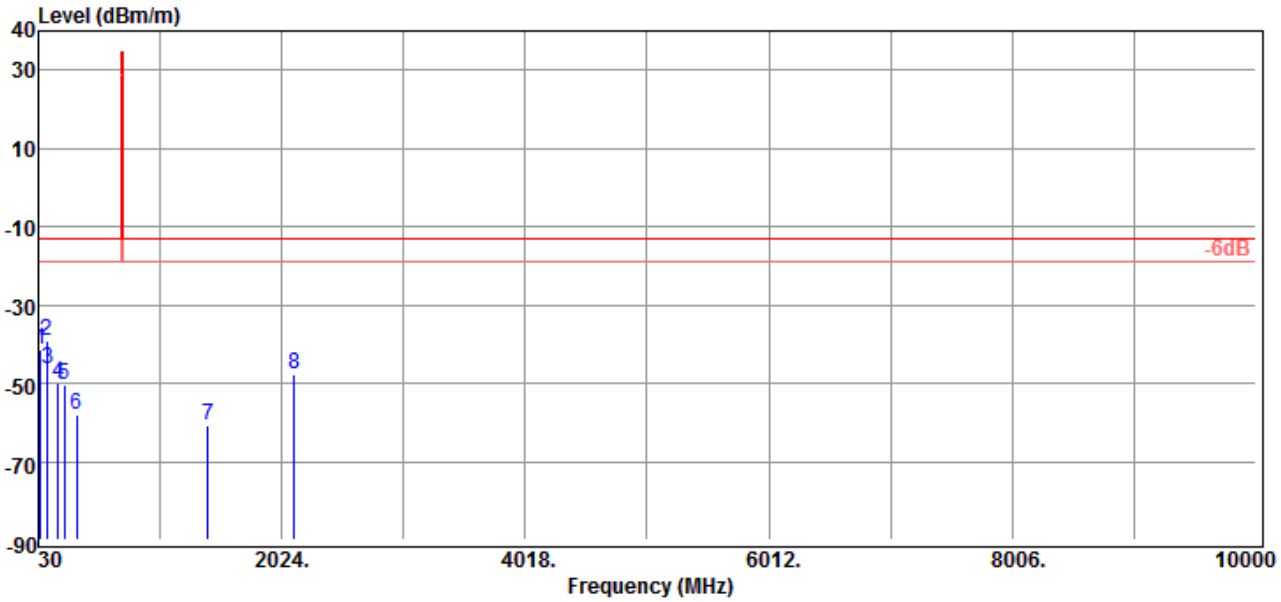


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-51.97	-47.16	-4.15	-0.66	-13.00	-38.97
97.90	-56.89	-55.33	-0.71	-0.85	-13.00	-43.89
143.49	-55.43	-56.61	2.16	-0.98	-13.00	-42.43
201.69	-54.00	-58.56	5.81	-1.25	-13.00	-41.00
250.19	-49.42	-53.15	5.17	-1.44	-13.00	-36.42
335.55	-51.43	-55.39	5.81	-1.85	-13.00	-38.43
1586.00	-59.66	-64.42	8.51	-3.75	-40.00	-19.66

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

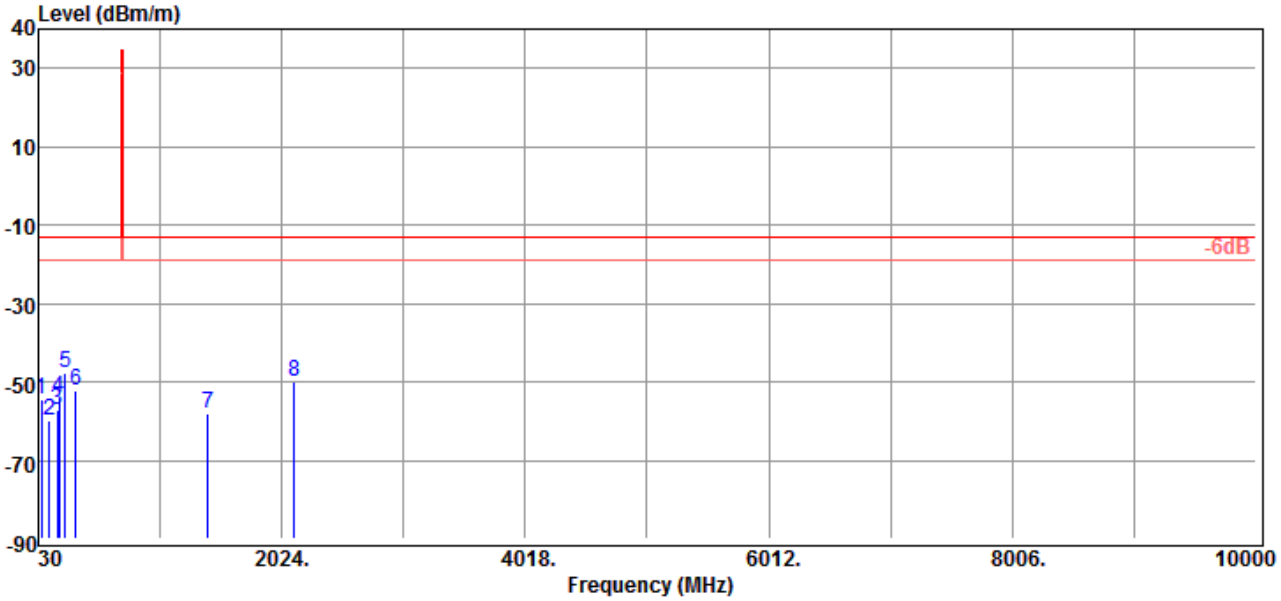
Operation Mode	:LTEB17 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:709 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-41.51	-36.30	-4.55	-0.66	-13.00	-28.51
96.93	-39.21	-37.73	-0.63	-0.85	-13.00	-26.21
108.57	-46.32	-45.23	-0.20	-0.89	-13.00	-33.32
195.87	-50.00	-54.37	5.59	-1.22	-13.00	-37.00
244.37	-50.23	-54.05	5.24	-1.42	-13.00	-37.23
344.28	-58.04	-61.93	5.80	-1.91	-13.00	-45.04
1418.00	-60.73	-65.00	7.77	-3.50	-13.00	-47.73
2127.00	-47.52	-53.55	10.34	-4.31	-13.00	-34.52

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

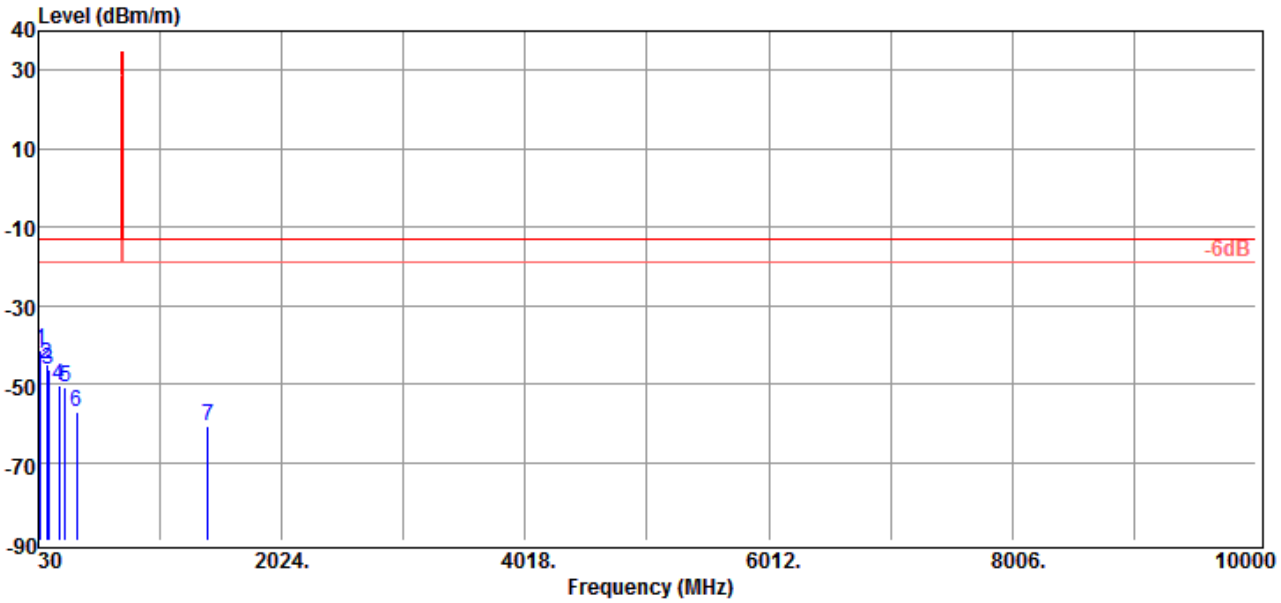
Operation Mode	:LTEB17 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:709 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.28	-54.55	-50.53	-3.36	-0.66	-13.00	-41.55
118.27	-59.65	-59.27	0.53	-0.91	-13.00	-46.65
183.26	-57.28	-60.95	4.83	-1.16	-13.00	-44.28
197.81	-53.91	-58.38	5.70	-1.23	-13.00	-40.91
251.16	-47.52	-51.27	5.19	-1.44	-13.00	-34.52
337.49	-52.00	-55.93	5.80	-1.87	-13.00	-39.00
1418.00	-58.27	-62.54	7.77	-3.50	-13.00	-45.27
2127.00	-49.79	-55.82	10.34	-4.31	-13.00	-36.79

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

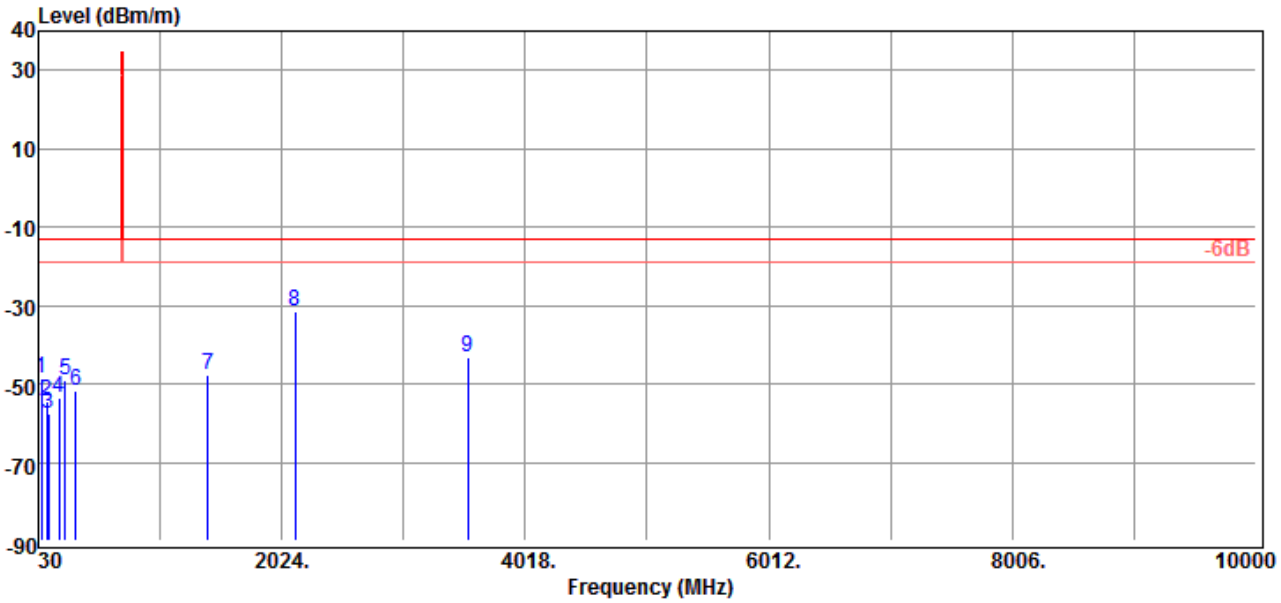
Operation Mode	:LTEB17 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:710 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-41.59	-36.38	-4.55	-0.66	-13.00	-28.59
94.99	-44.88	-43.58	-0.46	-0.84	-13.00	-31.88
115.36	-46.36	-45.77	0.32	-0.91	-13.00	-33.36
199.75	-50.60	-55.18	5.82	-1.24	-13.00	-37.60
251.16	-50.75	-54.50	5.19	-1.44	-13.00	-37.75
341.37	-57.35	-61.26	5.80	-1.89	-13.00	-44.35
1420.00	-60.54	-64.81	7.78	-3.51	-13.00	-47.54

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

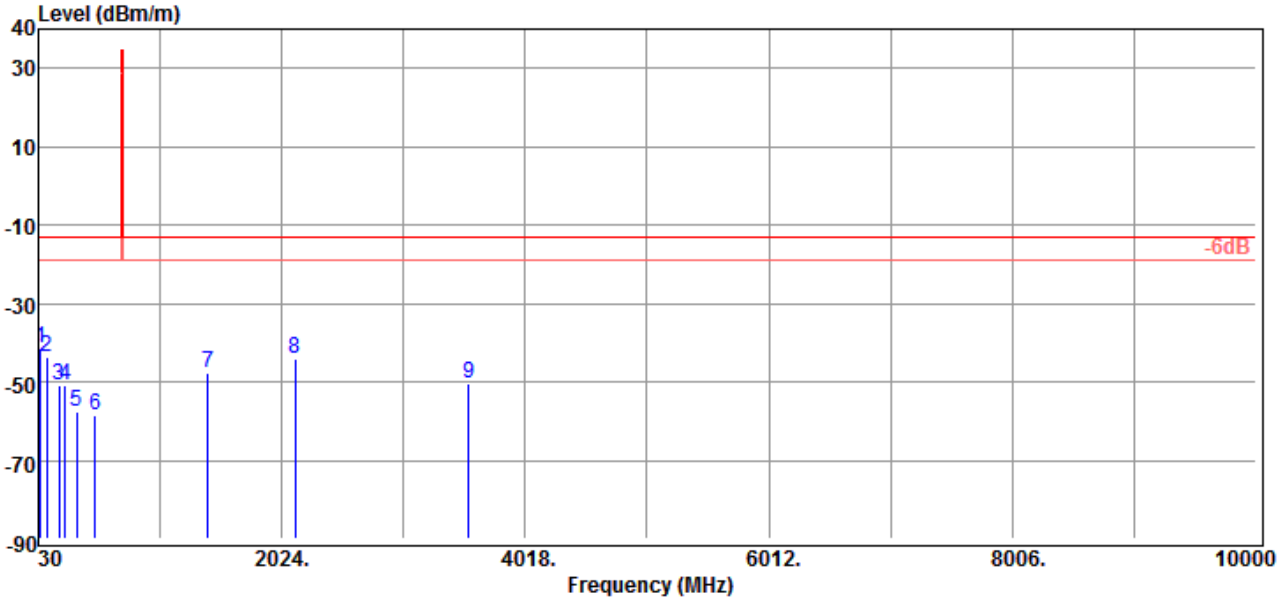
Operation Mode	:LTEB17 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:710 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-48.77	-44.36	-3.75	-0.66	-13.00	-35.77
95.96	-54.57	-53.18	-0.55	-0.84	-13.00	-41.57
116.33	-57.72	-57.20	0.39	-0.91	-13.00	-44.72
202.66	-53.79	-58.33	5.79	-1.25	-13.00	-40.79
252.13	-48.88	-52.63	5.20	-1.45	-13.00	-35.88
339.43	-51.73	-55.65	5.80	-1.88	-13.00	-38.73
1420.00	-47.80	-52.07	7.78	-3.51	-13.00	-34.80
2130.00	-31.75	-37.78	10.34	-4.31	-13.00	-18.75
3550.00	-43.36	-48.75	12.33	-6.94	-13.00	-30.36

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

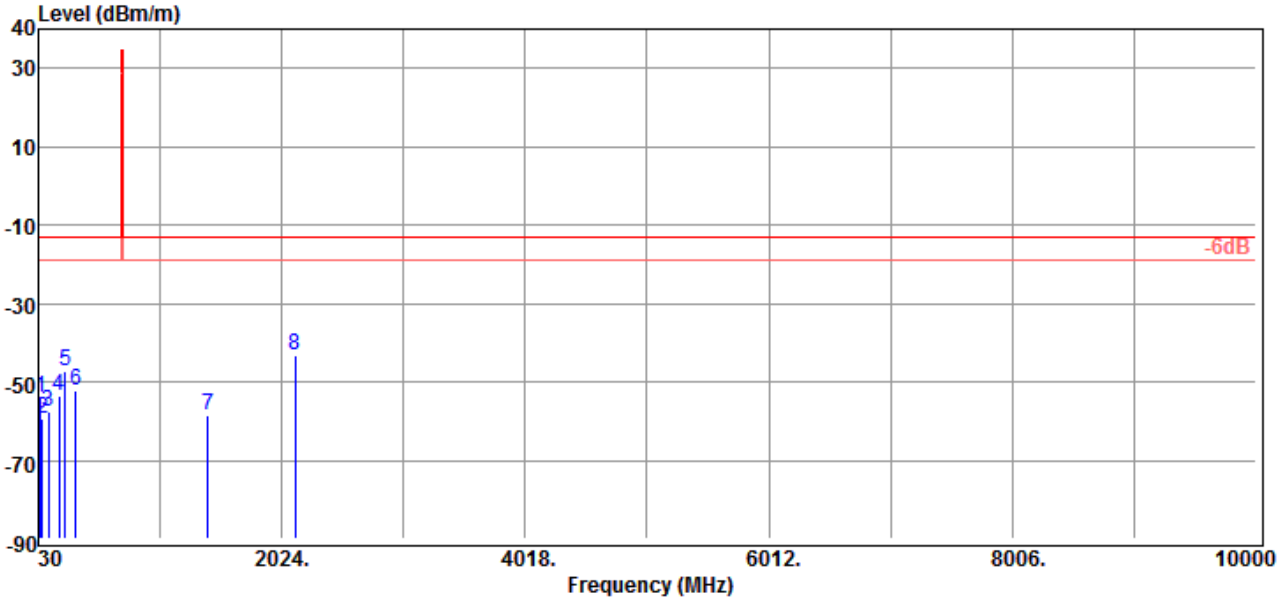
Operation Mode	:LTEB17 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:711 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-41.31	-36.50	-4.15	-0.66	-13.00	-28.31
96.93	-43.54	-42.06	-0.63	-0.85	-13.00	-30.54
197.81	-50.80	-55.27	5.70	-1.23	-13.00	-37.80
249.22	-50.70	-54.44	5.18	-1.44	-13.00	-37.70
340.40	-57.59	-61.50	5.80	-1.89	-13.00	-44.59
492.69	-58.42	-62.14	6.26	-2.54	-13.00	-45.42
1422.00	-47.63	-51.90	7.78	-3.51	-13.00	-34.63
2133.00	-44.07	-50.10	10.34	-4.31	-13.00	-31.07
3555.00	-50.63	-56.03	12.34	-6.94	-13.00	-37.63

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB17 10M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:711 MHz	Engineer	:Enzo

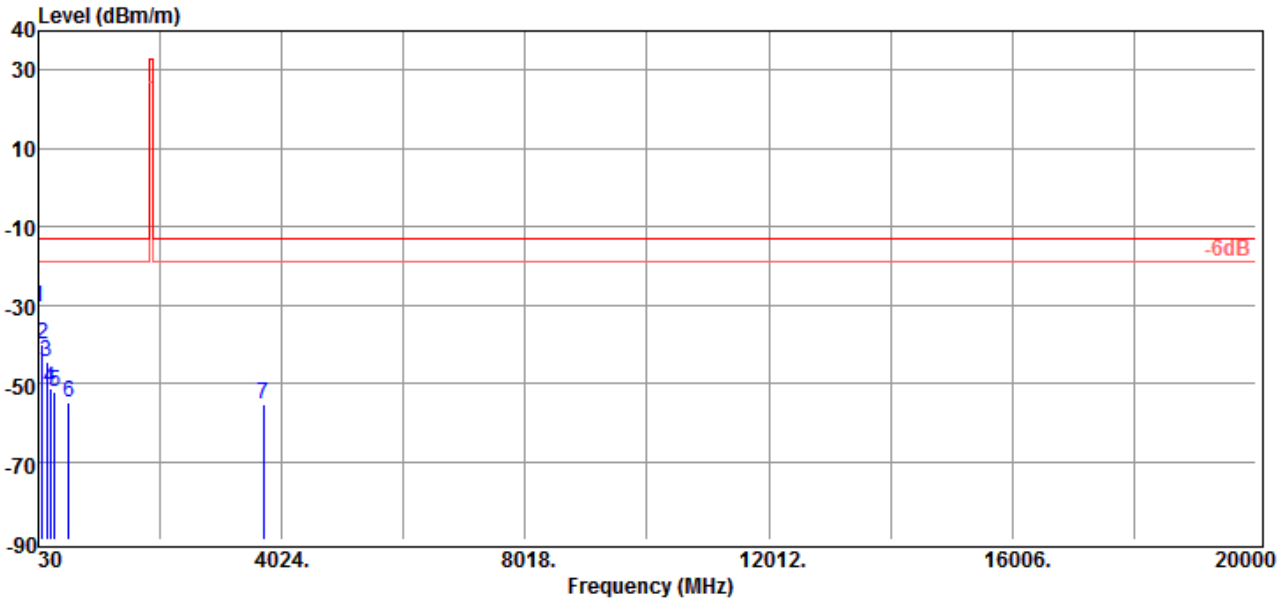


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-54.10	-49.29	-4.15	-0.66	-13.00	-41.10
59.10	-59.41	-57.61	-1.15	-0.65	-13.00	-46.41
113.42	-57.82	-57.09	0.17	-0.90	-13.00	-44.82
199.75	-53.56	-58.14	5.82	-1.24	-13.00	-40.56
253.10	-47.04	-50.81	5.22	-1.45	-13.00	-34.04
333.61	-52.15	-56.12	5.81	-1.84	-13.00	-39.15
1422.00	-58.49	-62.76	7.78	-3.51	-13.00	-45.49
2133.00	-43.03	-49.06	10.34	-4.31	-13.00	-30.03

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

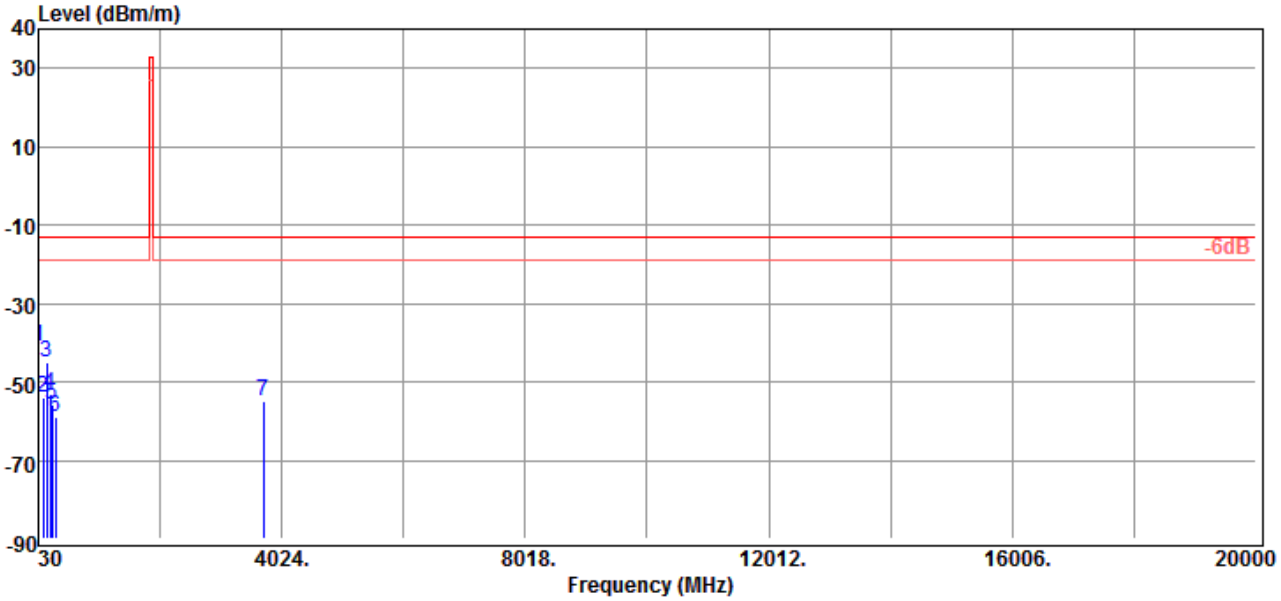
Operation Mode	:LTEB25 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH LOW	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1860 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-30.78	-15.19	-15.06	-0.53	-13.00	-17.78
98.87	-40.24	-38.58	-0.80	-0.86	-13.00	-27.24
166.77	-44.58	-47.25	3.75	-1.08	-13.00	-31.58
231.76	-51.22	-55.24	5.39	-1.37	-13.00	-38.22
299.66	-52.04	-56.27	5.85	-1.62	-13.00	-39.04
527.61	-55.05	-58.83	6.25	-2.47	-13.00	-42.05
3720.00	-55.57	-61.29	12.44	-6.72	-13.00	-42.57

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

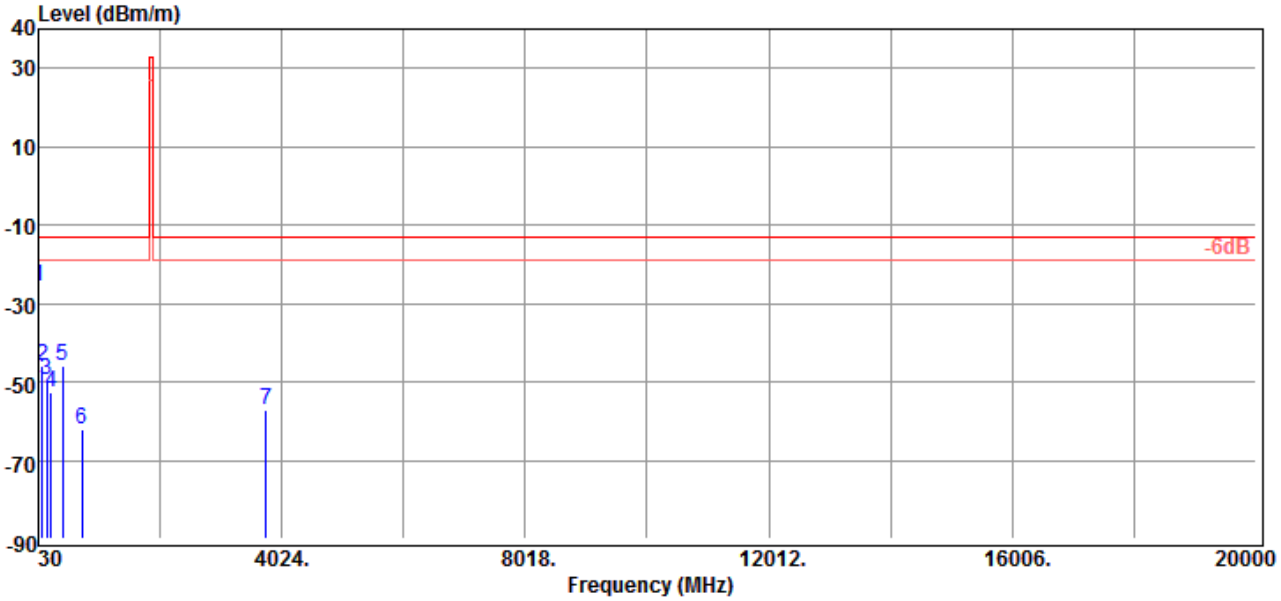
Operation Mode	:LTEB25 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH LOW	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1860 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-40.97	-25.38	-15.06	-0.53	-13.00	-27.97
107.60	-54.07	-52.91	-0.27	-0.89	-13.00	-41.07
167.74	-44.82	-47.54	3.81	-1.09	-13.00	-31.82
230.79	-53.33	-57.38	5.41	-1.36	-13.00	-40.33
259.89	-56.03	-59.86	5.31	-1.48	-13.00	-43.03
308.39	-59.02	-63.18	5.84	-1.68	-13.00	-46.02
3720.00	-54.74	-60.46	12.44	-6.72	-13.00	-41.74

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

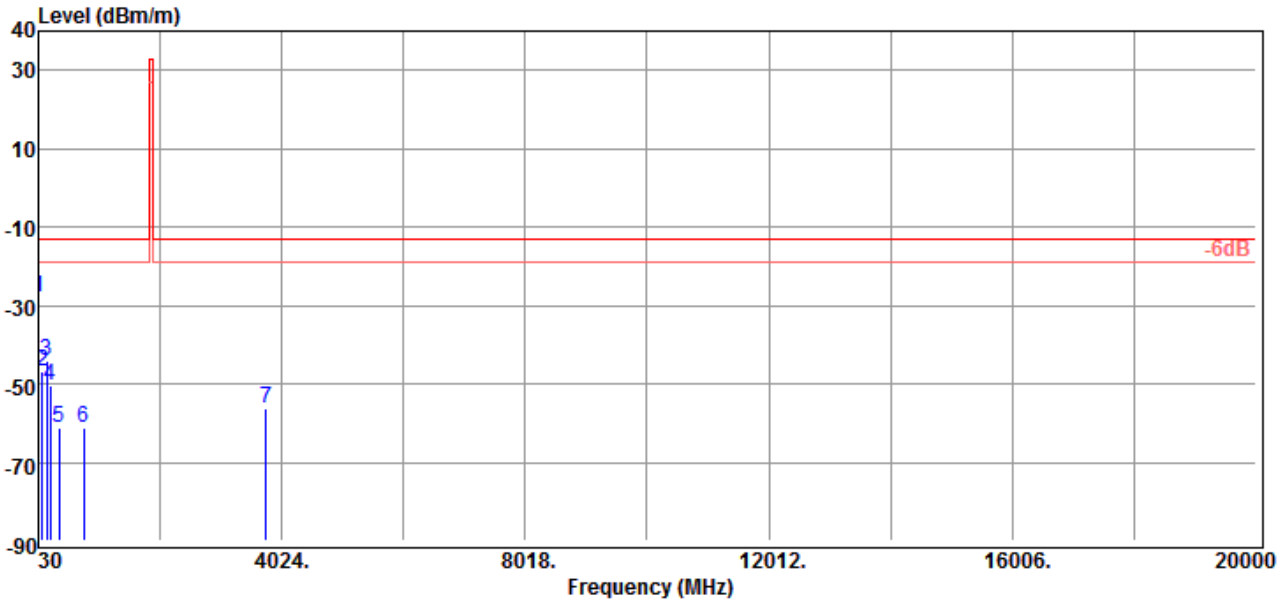
Operation Mode	:LTEB25 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH MID	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1882.5 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-25.67	-10.81	-14.31	-0.55	-13.00	-12.67
98.87	-45.83	-44.17	-0.80	-0.86	-13.00	-32.83
165.80	-49.47	-52.07	3.68	-1.08	-13.00	-36.47
232.73	-52.46	-56.47	5.38	-1.37	-13.00	-39.46
427.70	-45.81	-49.61	5.85	-2.05	-13.00	-32.81
746.83	-62.05	-67.38	7.40	-2.07	-13.00	-49.05
3765.00	-57.38	-63.18	12.46	-6.66	-13.00	-44.38

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

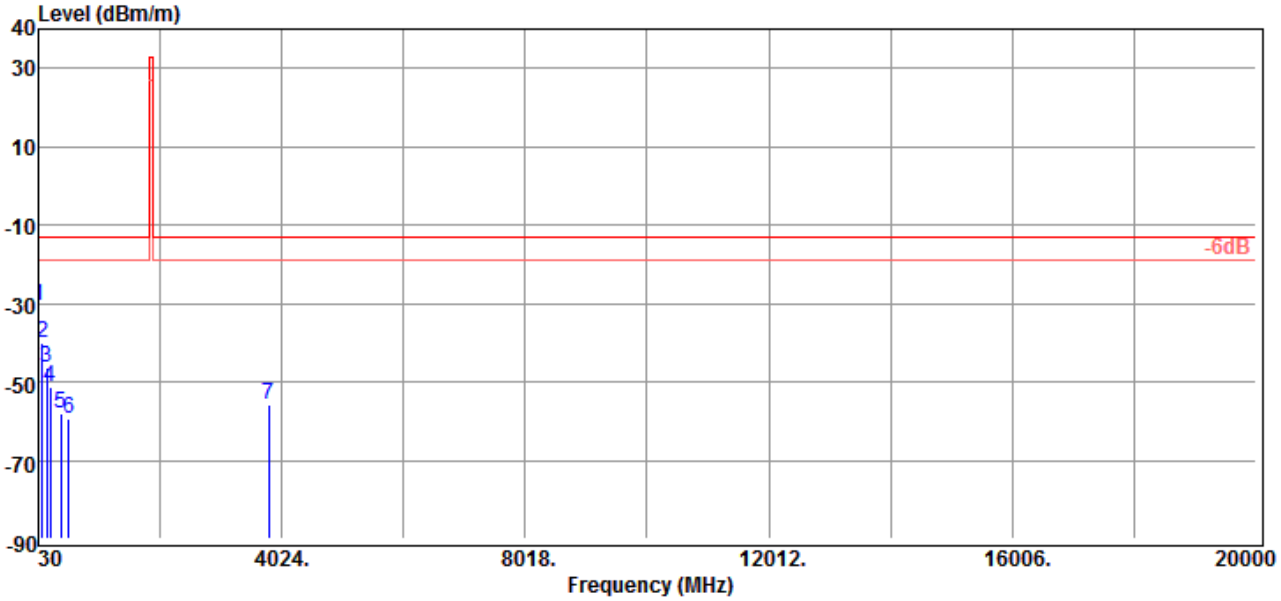
Operation Mode	:LTEB25 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH MID	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1882.5 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
35.82	-27.89	-12.30	-15.06	-0.53	-13.00	-14.89
98.87	-46.60	-44.94	-0.80	-0.86	-13.00	-33.60
165.80	-44.14	-46.74	3.68	-1.08	-13.00	-31.14
231.76	-50.49	-54.51	5.39	-1.37	-13.00	-37.49
375.32	-61.10	-64.76	5.66	-2.00	-13.00	-48.10
770.11	-61.00	-66.27	7.48	-2.21	-13.00	-48.00
3765.00	-56.26	-62.06	12.46	-6.66	-13.00	-43.26

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

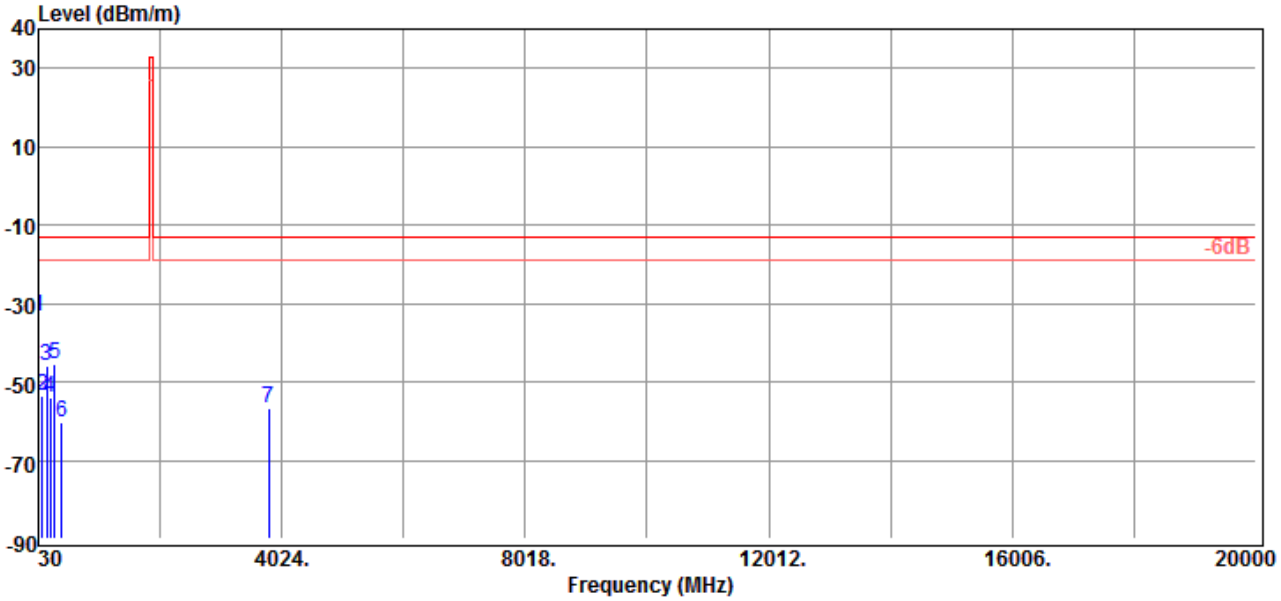
Operation Mode	:LTEB25 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH HIGH	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1905 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-30.42	-14.83	-15.06	-0.53	-13.00	-17.42
98.87	-40.22	-38.56	-0.80	-0.86	-13.00	-27.22
165.80	-46.24	-48.84	3.68	-1.08	-13.00	-33.24
231.76	-51.15	-55.17	5.39	-1.37	-13.00	-38.15
399.57	-58.17	-61.68	5.55	-2.04	-13.00	-45.17
532.46	-59.49	-63.29	6.24	-2.44	-13.00	-46.49
3810.00	-55.74	-61.63	12.49	-6.60	-13.00	-42.74

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB25 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH HIGH	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1905 MHz	Engineer	:Ashton

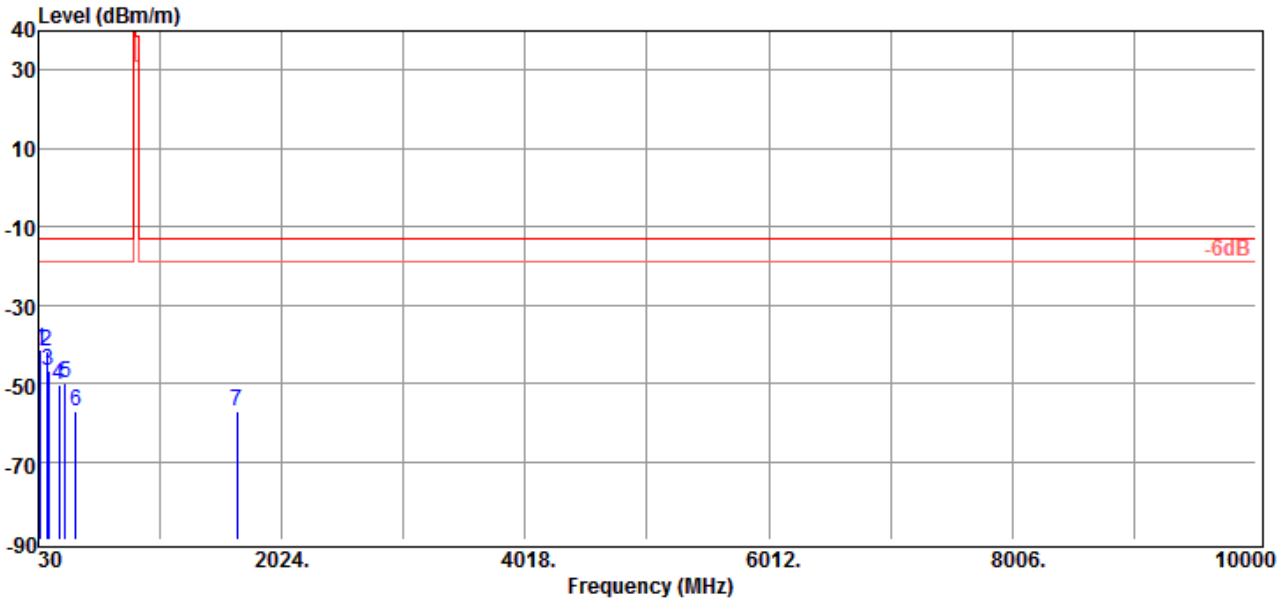


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-33.41	-17.82	-15.06	-0.53	-13.00	-20.41
98.87	-53.74	-52.08	-0.80	-0.86	-13.00	-40.74
170.65	-45.86	-48.77	4.01	-1.10	-13.00	-32.86
231.76	-53.85	-57.87	5.39	-1.37	-13.00	-40.85
300.63	-45.41	-49.64	5.85	-1.62	-13.00	-32.41
409.27	-60.27	-63.88	5.65	-2.04	-13.00	-47.27
3810.00	-56.65	-62.54	12.49	-6.60	-13.00	-43.65

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

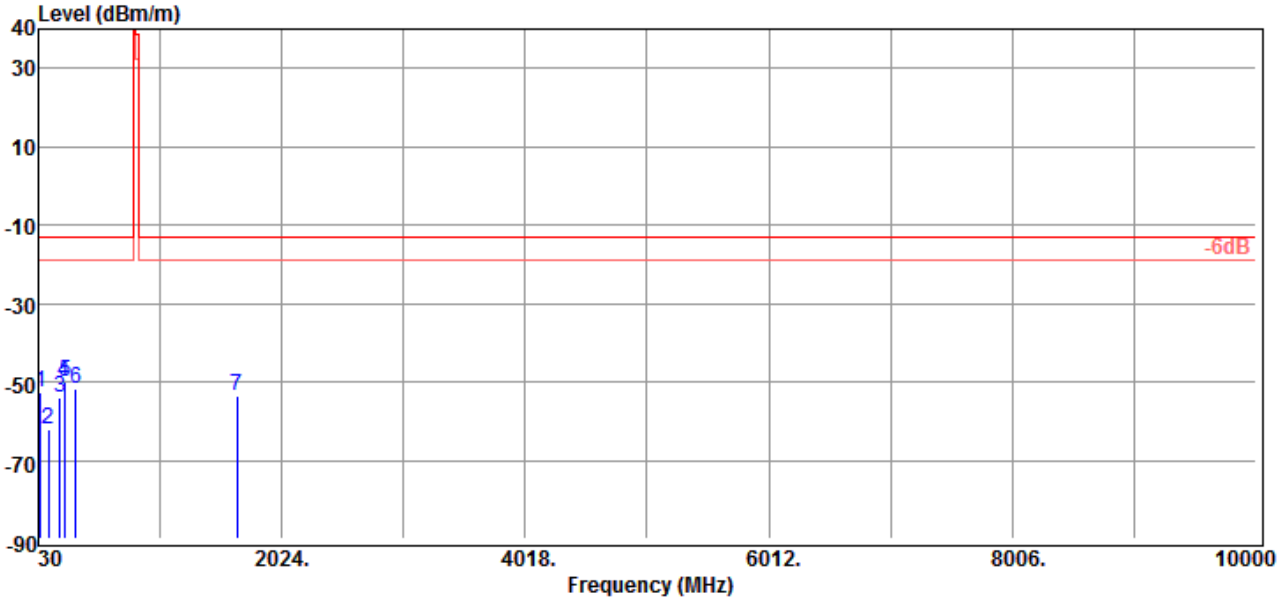
Operation Mode	:LTEB26 15M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:827.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-41.54	-36.73	-4.15	-0.66	-13.00	-28.54
98.87	-41.80	-40.14	-0.80	-0.86	-13.00	-28.80
112.45	-46.66	-45.86	0.10	-0.90	-13.00	-33.66
197.81	-50.33	-54.80	5.70	-1.23	-13.00	-37.33
250.19	-49.76	-53.49	5.17	-1.44	-13.00	-36.76
338.46	-57.16	-61.09	5.80	-1.87	-13.00	-44.16
1655.00	-57.03	-62.01	8.82	-3.84	-13.00	-44.03

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

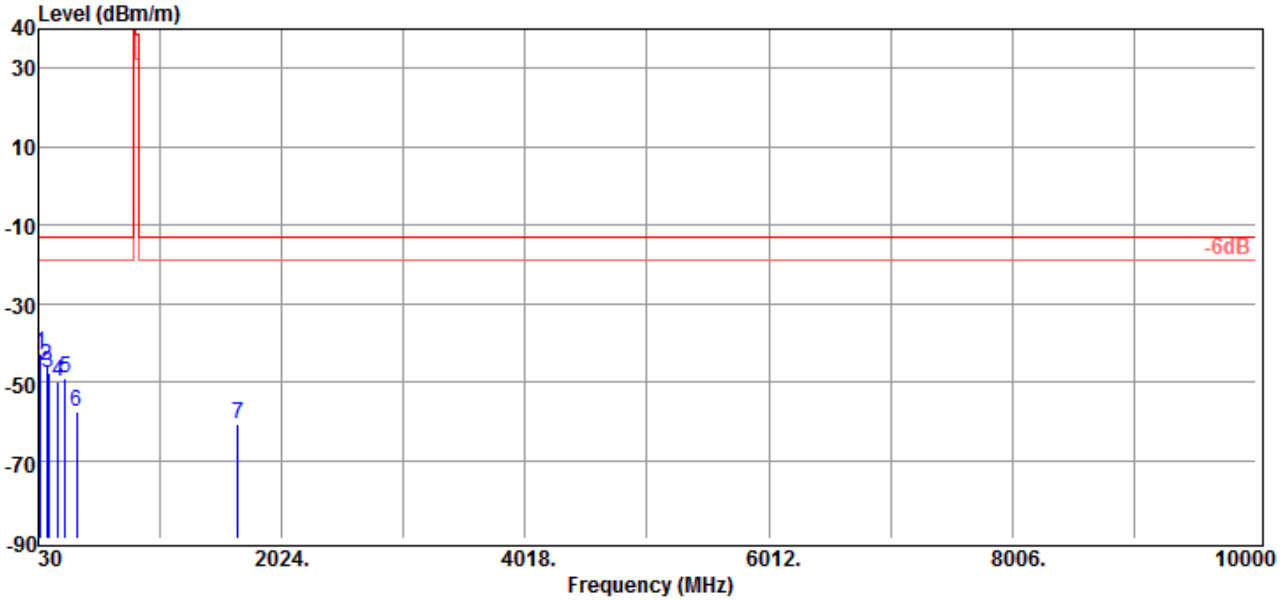
Operation Mode	:LTEB26 15M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:827.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-52.64	-47.83	-4.15	-0.66	-13.00	-39.64
110.51	-61.95	-61.01	-0.05	-0.89	-13.00	-48.95
203.63	-54.23	-58.76	5.78	-1.25	-13.00	-41.23
240.49	-49.87	-53.75	5.28	-1.40	-13.00	-36.87
251.16	-50.02	-53.77	5.19	-1.44	-13.00	-37.02
336.52	-51.83	-55.78	5.81	-1.86	-13.00	-38.83
1655.00	-53.61	-58.59	8.82	-3.84	-13.00	-40.61

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

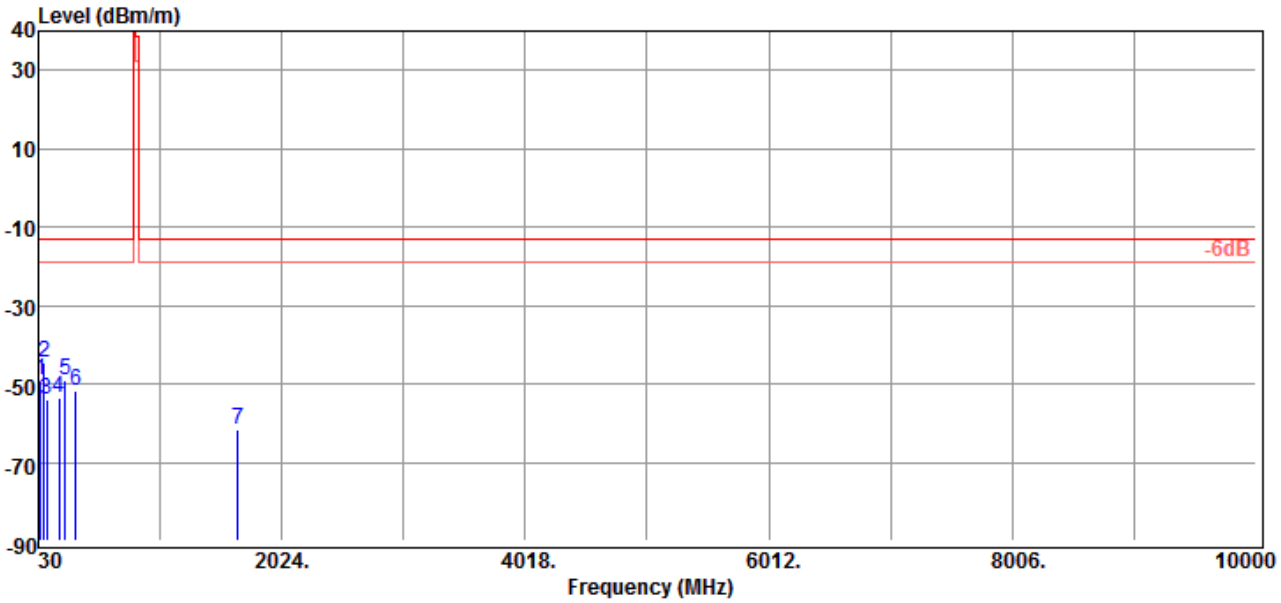
Operation Mode	:LTEB26 15M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:831.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-42.81	-38.00	-4.15	-0.66	-13.00	-29.81
97.90	-45.84	-44.28	-0.71	-0.85	-13.00	-32.84
115.36	-47.76	-47.17	0.32	-0.91	-13.00	-34.76
194.90	-50.03	-54.34	5.53	-1.22	-13.00	-37.03
248.25	-49.24	-53.00	5.19	-1.43	-13.00	-36.24
341.37	-57.57	-61.48	5.80	-1.89	-13.00	-44.57
1663.00	-60.85	-65.85	8.85	-3.85	-13.00	-47.85

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

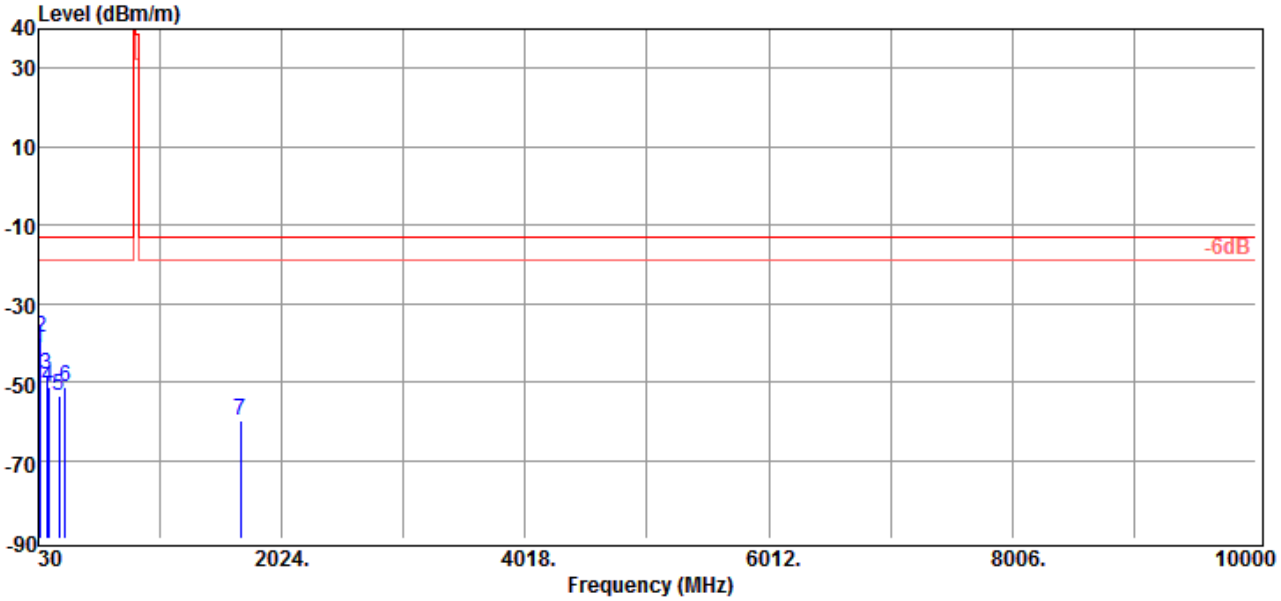
Operation Mode	:LTEB26 15M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:831.5 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-49.01	-44.20	-4.15	-0.66	-13.00	-36.01
80.44	-44.79	-44.65	0.64	-0.78	-13.00	-31.79
95.96	-53.93	-52.54	-0.55	-0.84	-13.00	-40.93
199.75	-53.44	-58.02	5.82	-1.24	-13.00	-40.44
249.22	-48.90	-52.64	5.18	-1.44	-13.00	-35.90
334.58	-51.86	-55.82	5.81	-1.85	-13.00	-38.86
1663.00	-61.46	-66.46	8.85	-3.85	-13.00	-48.46

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

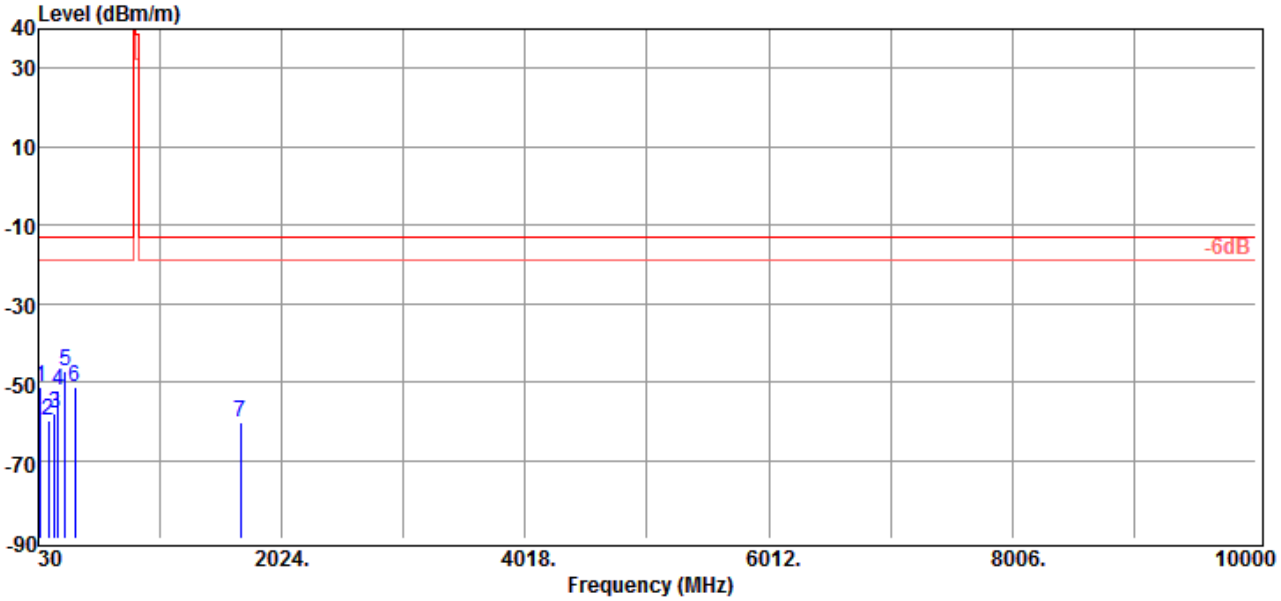
Operation Mode	:LTEB26 15M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:841.5 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
41.64	-41.61	-30.35	-10.65	-0.61	-13.00	-28.61
51.34	-38.79	-33.98	-4.15	-0.66	-13.00	-25.79
96.93	-48.20	-46.72	-0.63	-0.85	-13.00	-35.20
114.39	-51.27	-50.61	0.24	-0.90	-13.00	-38.27
198.78	-53.59	-58.12	5.76	-1.23	-13.00	-40.59
250.19	-51.28	-55.01	5.17	-1.44	-13.00	-38.28
1683.00	-59.74	-64.81	8.94	-3.87	-13.00	-46.74

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB26 15M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:841.5 MHz	Engineer	:Enzo

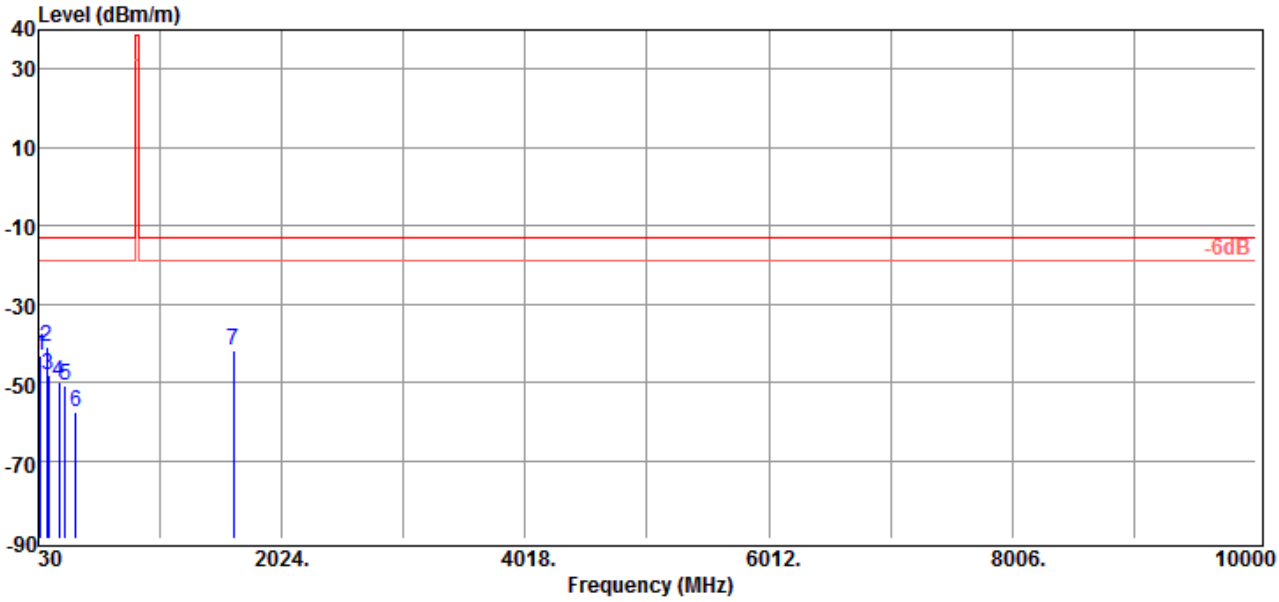


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-51.42	-46.21	-4.55	-0.66	-13.00	-38.42
116.33	-59.76	-59.24	0.39	-0.91	-13.00	-46.76
163.86	-58.10	-60.57	3.54	-1.07	-13.00	-45.10
194.90	-52.35	-56.66	5.53	-1.22	-13.00	-39.35
251.16	-47.23	-50.98	5.19	-1.44	-13.00	-34.23
328.76	-51.20	-55.20	5.81	-1.81	-13.00	-38.20
1683.00	-60.41	-65.48	8.94	-3.87	-13.00	-47.41

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

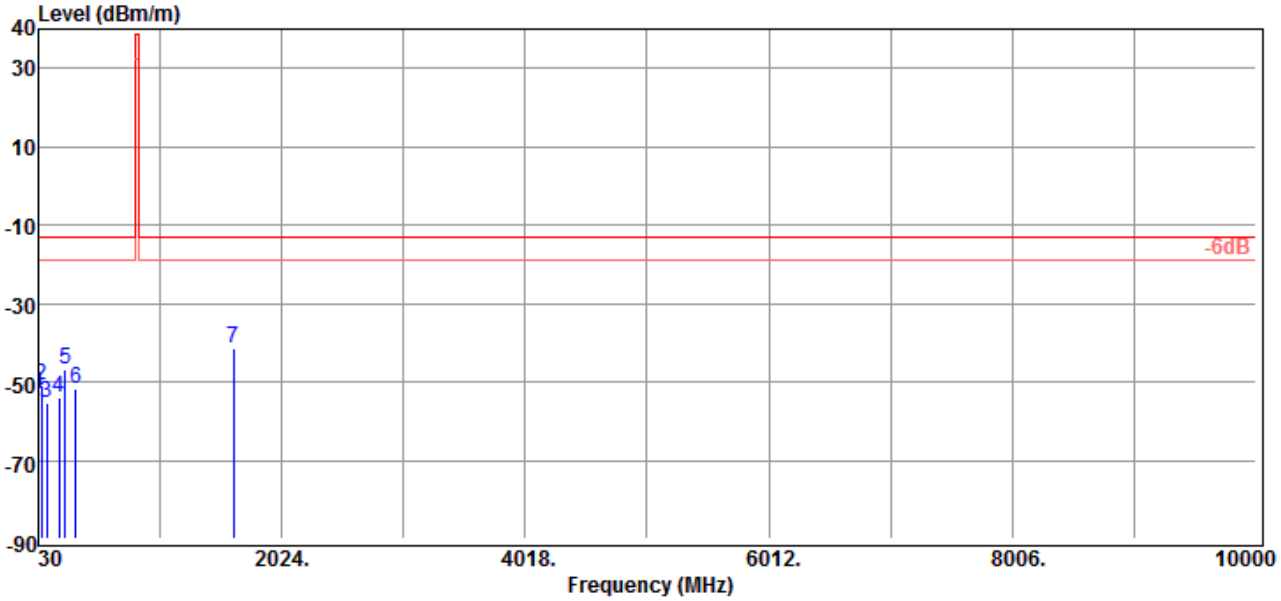
Operation Mode	:Part90 3M QPSK RB1,0	Test Date	:2018-08-27
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:815.5 MHz	Engineer	:Ashton



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-43.31	-38.50	-4.15	-0.66	-13.00	-30.31
96.93	-41.03	-39.55	-0.63	-0.85	-13.00	-28.03
114.39	-48.06	-47.40	0.24	-0.90	-13.00	-35.06
199.75	-49.92	-54.50	5.82	-1.24	-13.00	-36.92
247.28	-50.84	-54.61	5.20	-1.43	-13.00	-37.84
336.52	-57.81	-61.76	5.81	-1.86	-13.00	-44.81
1631.00	-41.80	-46.70	8.71	-3.81	-13.00	-28.80

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

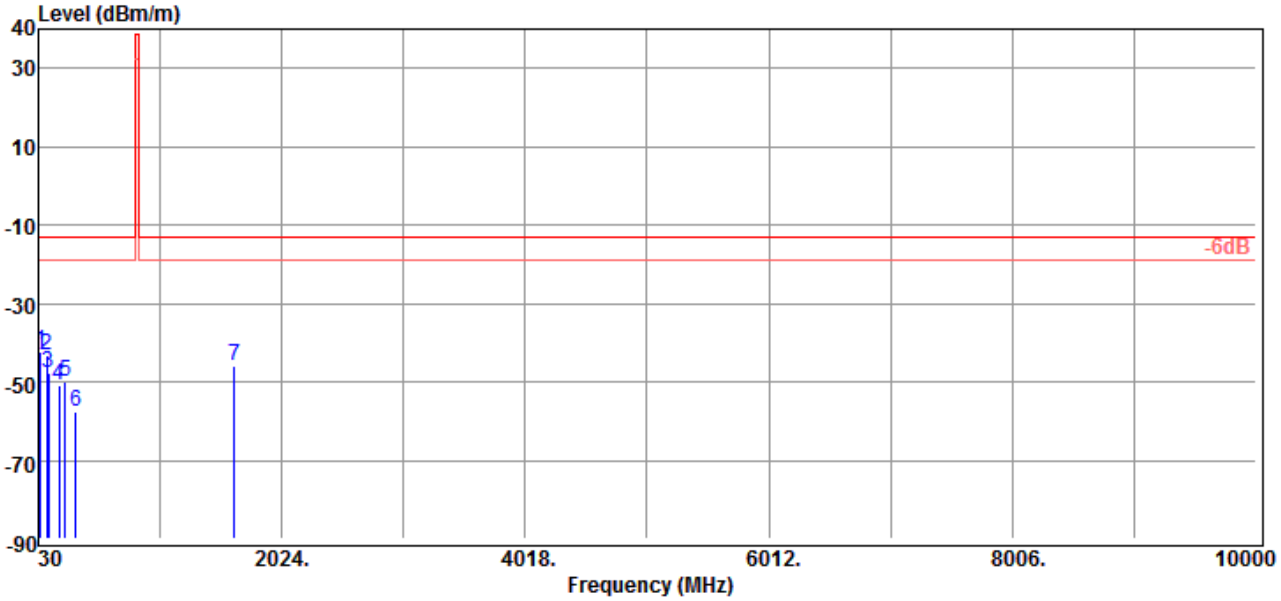
Operation Mode	:Part90 3M QPSK RB1,0	Test Date	:2018-08-27
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:815.5 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-53.00	-34.24	-18.29	-0.47	-13.00	-40.00
52.31	-50.85	-46.44	-3.75	-0.66	-13.00	-37.85
96.93	-55.24	-53.76	-0.63	-0.85	-13.00	-42.24
198.78	-53.89	-58.42	5.76	-1.23	-13.00	-40.89
250.19	-46.91	-50.64	5.17	-1.44	-13.00	-33.91
333.61	-51.71	-55.68	5.81	-1.84	-13.00	-38.71
1631.00	-41.46	-46.64	9.10	-3.92	-13.00	-28.46

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

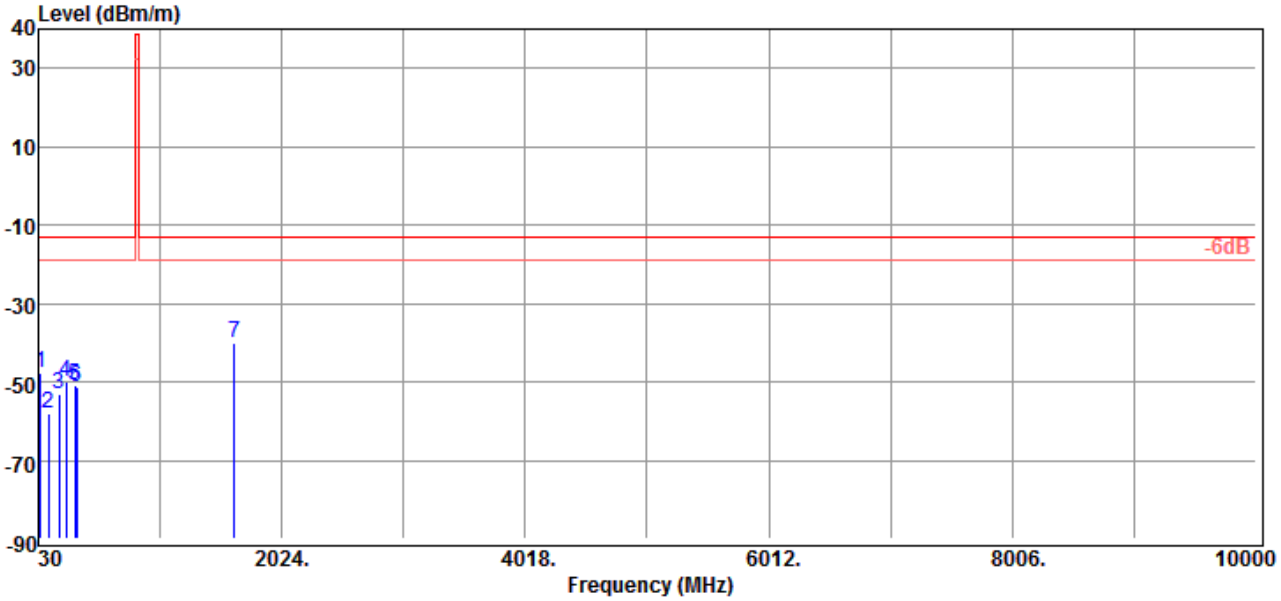
Operation Mode	:Part90 3M QPSK RB1,0	Test Date	:2018-08-27
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:819 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-42.30	-37.49	-4.15	-0.66	-13.00	-29.30
95.96	-43.17	-41.78	-0.55	-0.84	-13.00	-30.17
111.48	-47.52	-46.65	0.03	-0.90	-13.00	-34.52
198.78	-50.91	-55.44	5.76	-1.23	-13.00	-37.91
251.16	-49.84	-53.59	5.19	-1.44	-13.00	-36.84
339.43	-57.61	-61.53	5.80	-1.88	-13.00	-44.61
1638.00	-45.83	-50.73	8.71	-3.81	-13.00	-32.83

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

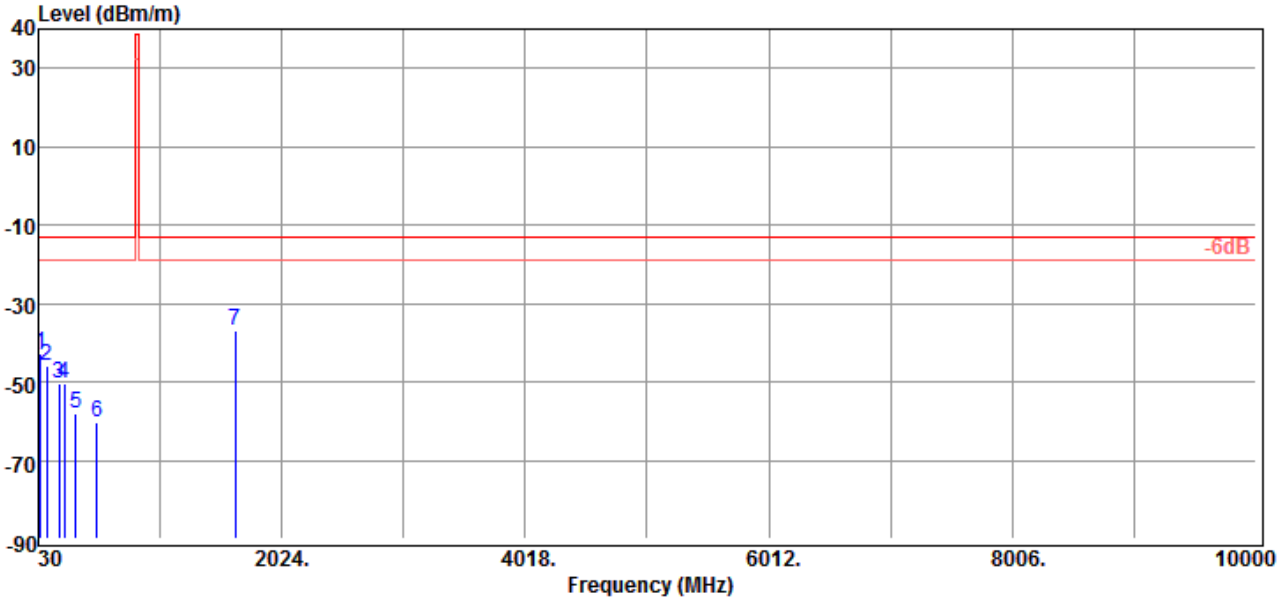
Operation Mode	:Part90 3M QPSK RB1,0	Test Date	:2018-08-27
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:819 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-47.55	-42.74	-4.15	-0.66	-13.00	-34.55
111.48	-57.97	-57.10	0.03	-0.90	-13.00	-44.97
200.72	-53.33	-57.91	5.82	-1.24	-13.00	-40.33
255.04	-49.83	-53.61	5.24	-1.46	-13.00	-36.83
328.76	-50.94	-54.94	5.81	-1.81	-13.00	-37.94
343.31	-51.31	-55.20	5.80	-1.91	-13.00	-38.31
1638.00	-40.27	-45.17	8.71	-3.81	-13.00	-27.27

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

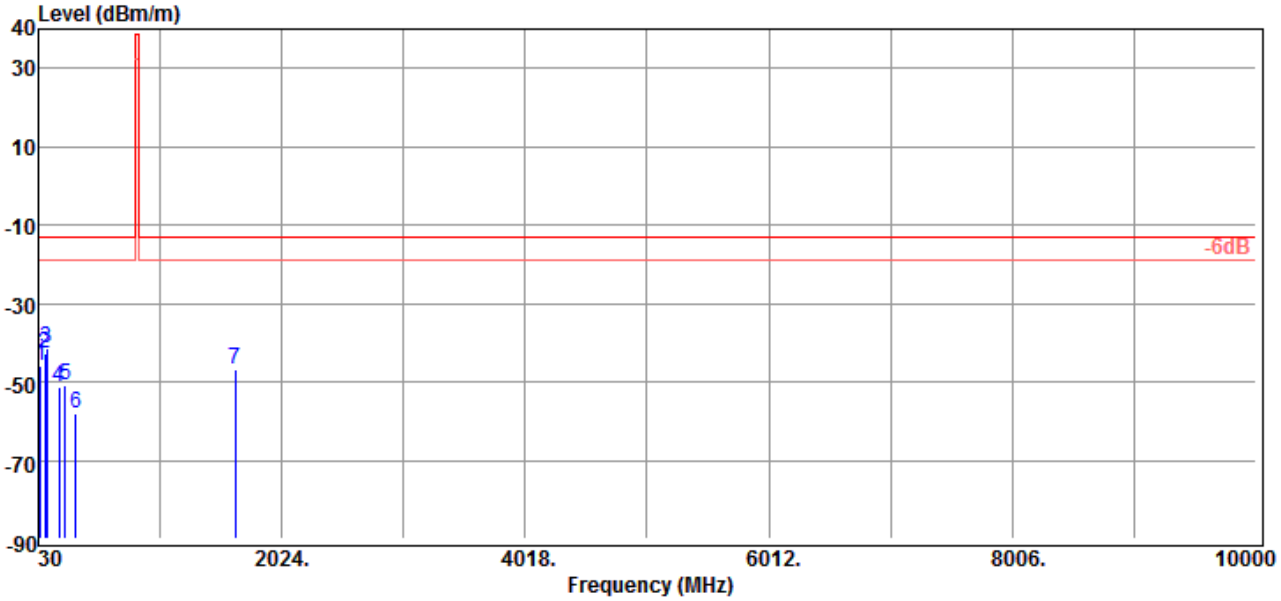
Operation Mode	:Part90 3M QPSK RB1,0	Test Date	:2018-08-27
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:822.5 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-42.93	-38.12	-4.15	-0.66	-13.00	-29.93
97.90	-46.03	-44.47	-0.71	-0.85	-13.00	-33.03
198.78	-50.37	-54.90	5.76	-1.23	-13.00	-37.37
245.34	-50.24	-54.05	5.23	-1.42	-13.00	-37.24
335.55	-57.97	-61.93	5.81	-1.85	-13.00	-44.97
511.12	-60.18	-63.89	6.27	-2.56	-13.00	-47.18
1645.00	-36.98	-42.13	9.06	-3.91	-13.00	-23.98

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:Part90 3M QPSK RB1,0	Test Date	:2018-08-27
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:822.5 MHz	Engineer	:Ashton

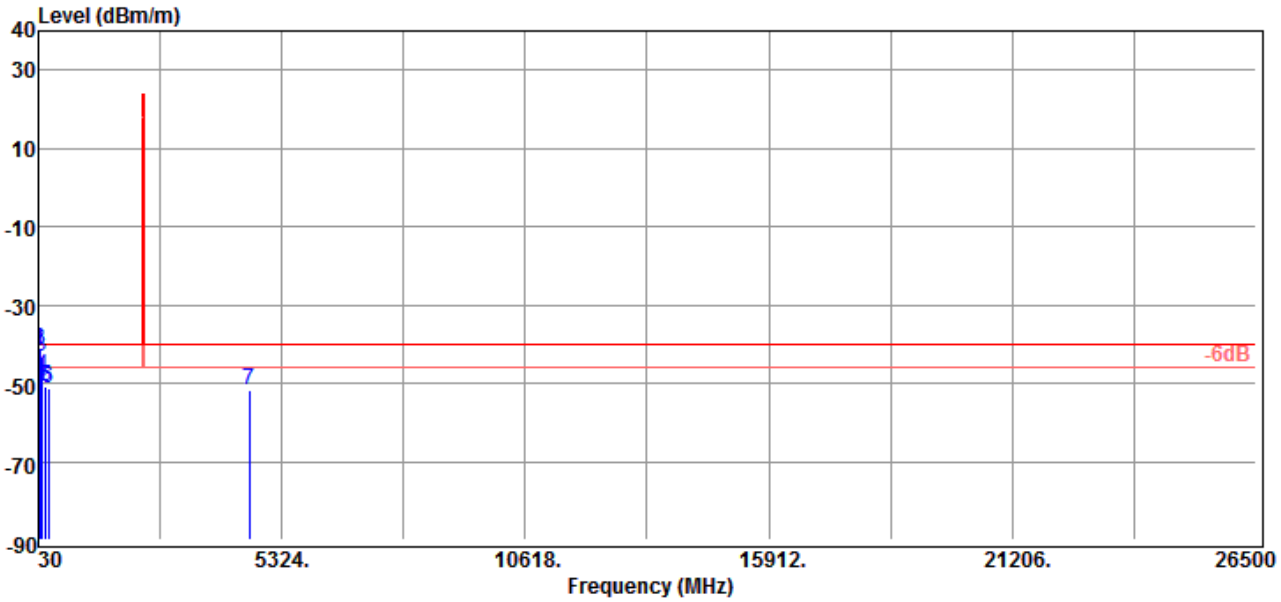


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-45.92	-40.71	-4.55	-0.66	-13.00	-32.92
83.35	-42.72	-42.36	0.43	-0.79	-13.00	-29.72
96.93	-41.34	-39.86	-0.63	-0.85	-13.00	-28.34
198.78	-51.38	-55.91	5.76	-1.23	-13.00	-38.38
247.28	-50.68	-54.45	5.20	-1.43	-13.00	-37.68
337.49	-57.89	-61.82	5.80	-1.87	-13.00	-44.89
1645.00	-46.85	-52.00	9.06	-3.91	-13.00	-33.85

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

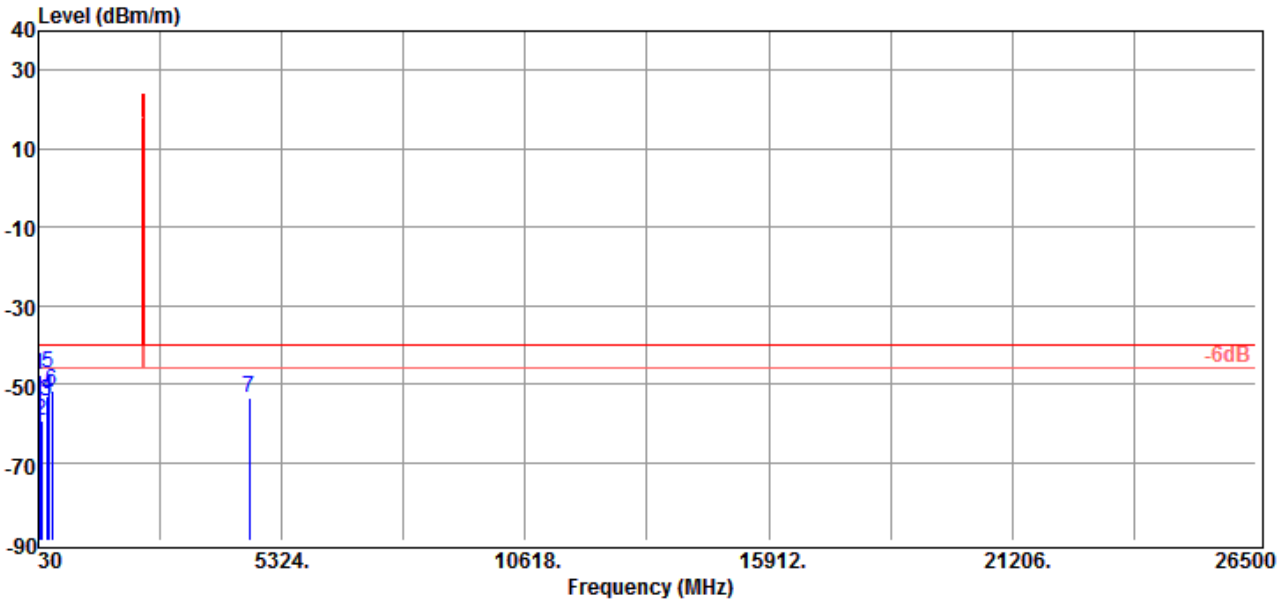
Operation Mode	:LTEB30 10M QPSK RB1,49	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2310 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-41.84	-23.08	-18.29	-0.47	-13.00	-28.84
51.34	-41.54	-36.73	-4.15	-0.66	-13.00	-28.54
96.93	-43.17	-41.69	-0.63	-0.85	-13.00	-30.17
116.33	-48.03	-47.51	0.39	-0.91	-13.00	-35.03
198.78	-50.96	-55.49	5.76	-1.23	-13.00	-37.96
255.04	-51.10	-54.88	5.24	-1.46	-13.00	-38.10
4620.00	-51.66	-57.68	12.58	-6.56	-40.00	-11.66

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB30 10M QPSK RB1,49	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2310 MHz	Engineer	:Enzo

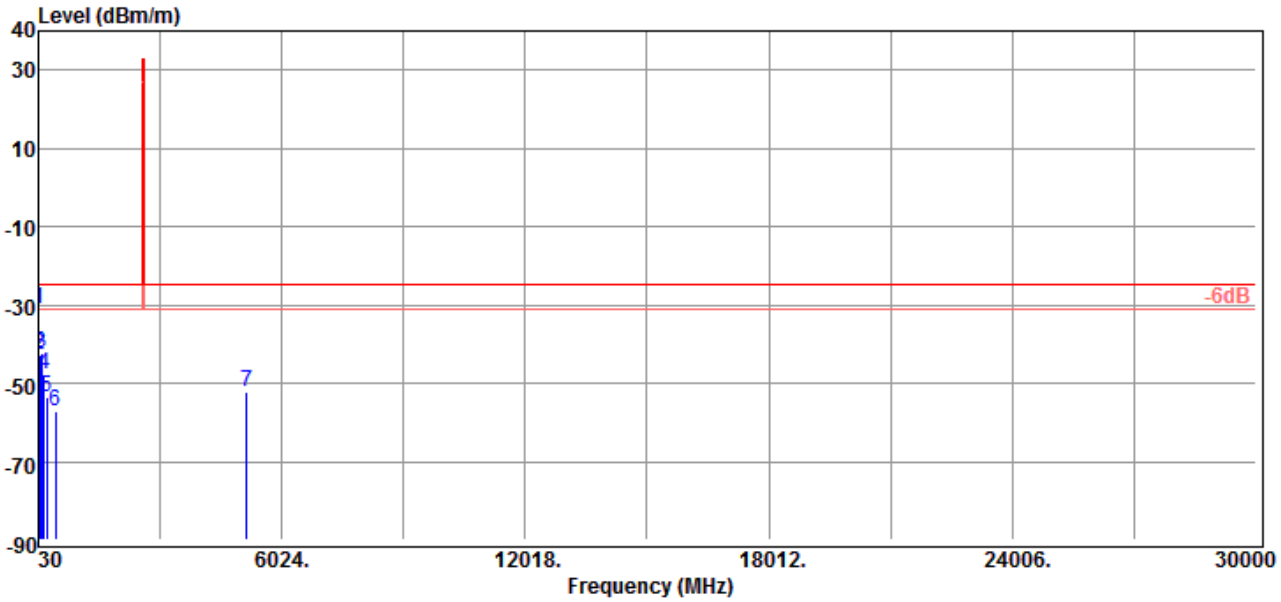


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-47.69	-42.88	-4.15	-0.66	-13.00	-34.69
95.96	-59.54	-58.15	-0.55	-0.84	-13.00	-46.54
202.66	-54.38	-58.92	5.79	-1.25	-13.00	-41.38
235.64	-52.99	-56.95	5.34	-1.38	-13.00	-39.99
252.13	-47.13	-50.88	5.20	-1.45	-13.00	-34.13
333.61	-51.97	-55.94	5.81	-1.84	-13.00	-38.97
4620.00	-53.58	-59.60	12.58	-6.56	-40.00	-13.58

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

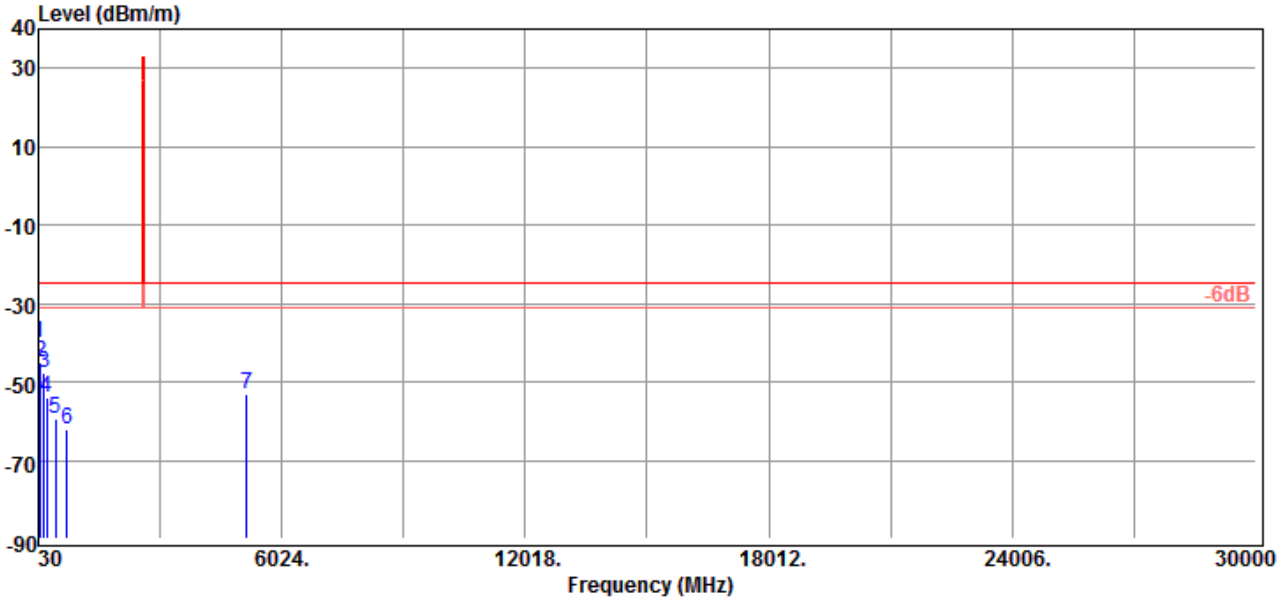
Operation Mode	:LTEB38 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH LOW	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2580 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-31.22	-15.63	-15.06	-0.53	-25.00	-6.22
68.80	-42.62	-42.26	0.36	-0.72	-25.00	-17.62
99.84	-42.34	-40.60	-0.88	-0.86	-25.00	-17.34
175.50	-47.79	-51.00	4.33	-1.12	-25.00	-22.79
229.82	-53.60	-57.66	5.42	-1.36	-25.00	-28.60
446.13	-57.12	-61.09	6.03	-2.06	-25.00	-32.12
5160.00	-52.29	-58.29	12.67	-6.67	-25.00	-27.29

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

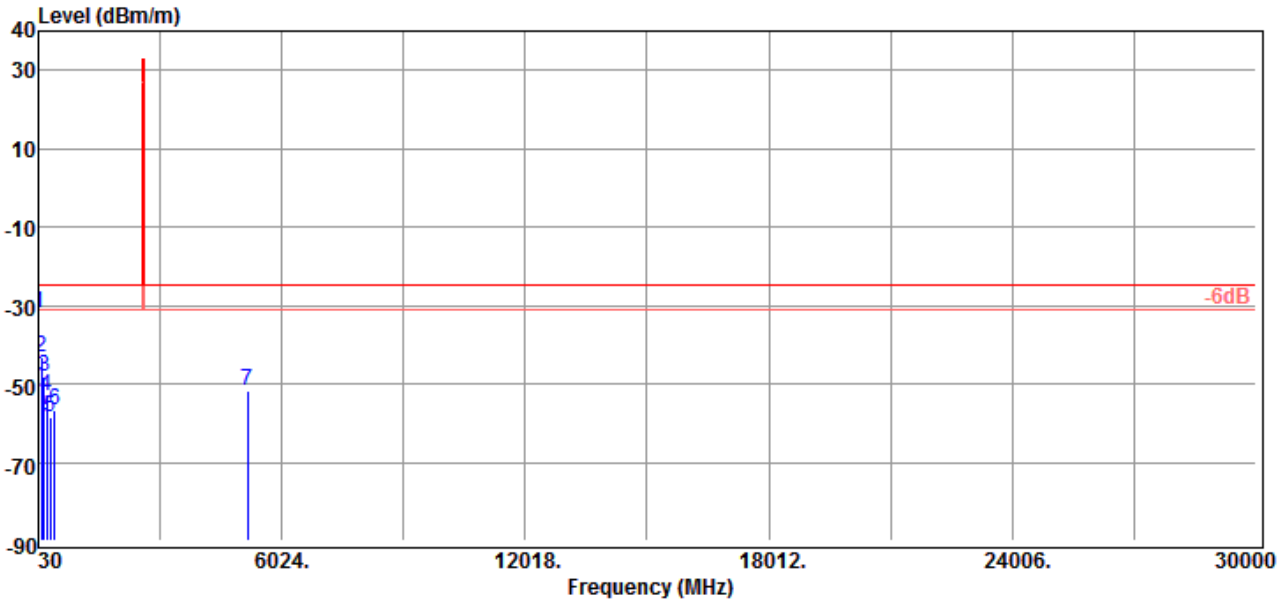
Operation Mode	:LTEB38 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH LOW	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2580 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-40.00	-24.41	-15.06	-0.53	-25.00	-15.00
74.62	-45.17	-45.01	0.59	-0.75	-25.00	-20.17
178.41	-47.86	-51.24	4.52	-1.14	-25.00	-22.86
229.82	-53.99	-58.05	5.42	-1.36	-25.00	-28.99
442.25	-59.52	-63.45	5.99	-2.06	-25.00	-34.52
733.25	-62.24	-67.49	7.38	-2.13	-25.00	-37.24
5160.00	-53.11	-59.11	12.67	-6.67	-25.00	-28.11

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

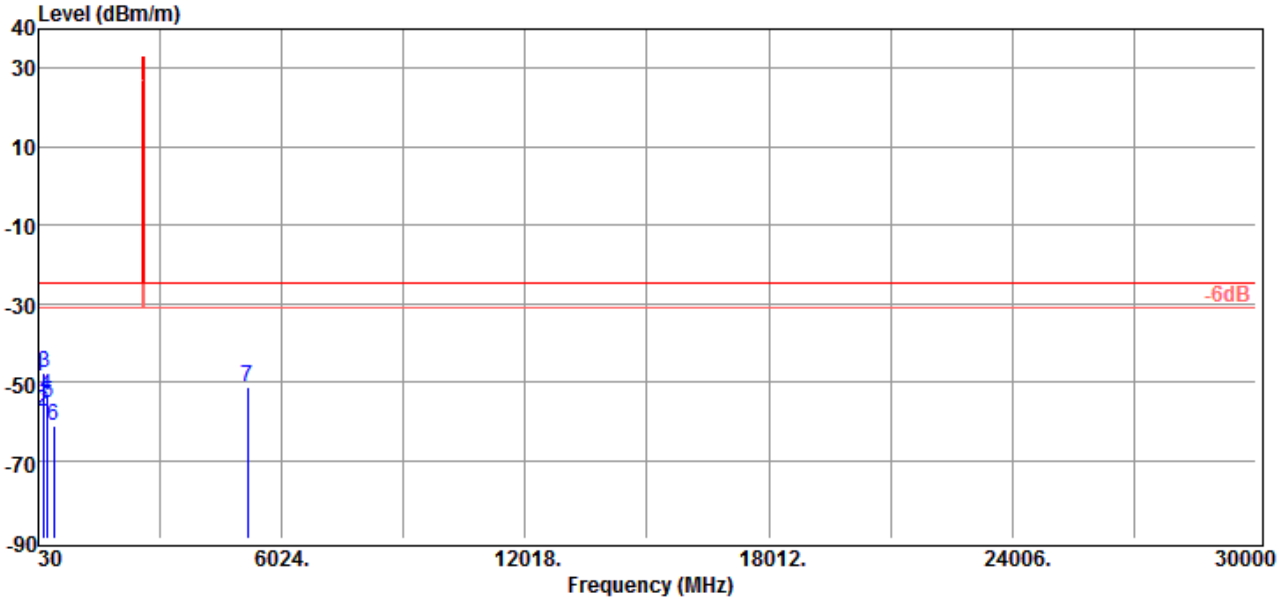
Operation Mode	:LTEB38 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH MID	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2595 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-31.87	-16.28	-15.06	-0.53	-25.00	-6.87
97.90	-43.00	-41.44	-0.71	-0.85	-25.00	-18.00
171.62	-48.21	-51.18	4.07	-1.10	-25.00	-23.21
230.79	-53.15	-57.20	5.41	-1.36	-25.00	-28.15
318.09	-58.34	-62.43	5.83	-1.74	-25.00	-33.34
421.88	-56.84	-60.58	5.79	-2.05	-25.00	-31.84
5190.00	-51.90	-57.94	12.69	-6.65	-25.00	-26.90

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

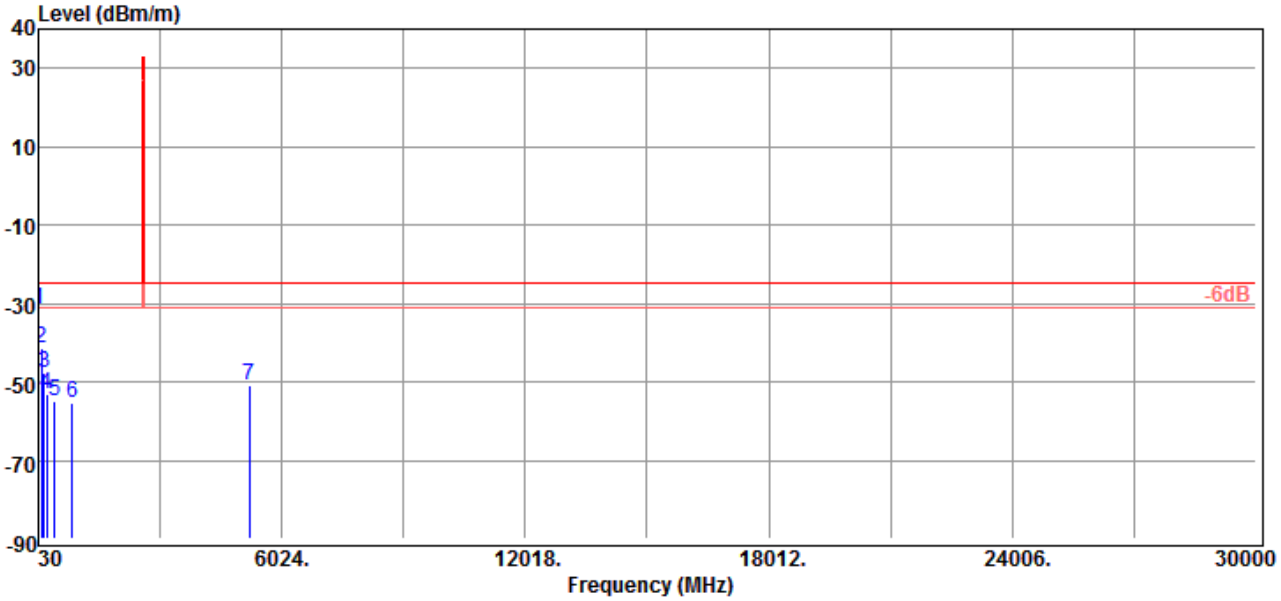
Operation Mode	:LTEB38 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH MID	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2595 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-48.76	-32.41	-15.83	-0.52	-25.00	-23.76
139.61	-57.49	-58.44	1.92	-0.97	-25.00	-32.49
172.59	-47.80	-50.83	4.14	-1.11	-25.00	-22.80
227.88	-53.61	-57.70	5.44	-1.35	-25.00	-28.61
250.19	-55.43	-59.16	5.17	-1.44	-25.00	-30.43
399.57	-61.35	-64.86	5.55	-2.04	-25.00	-36.35
5190.00	-51.48	-57.54	12.70	-6.64	-25.00	-26.48

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

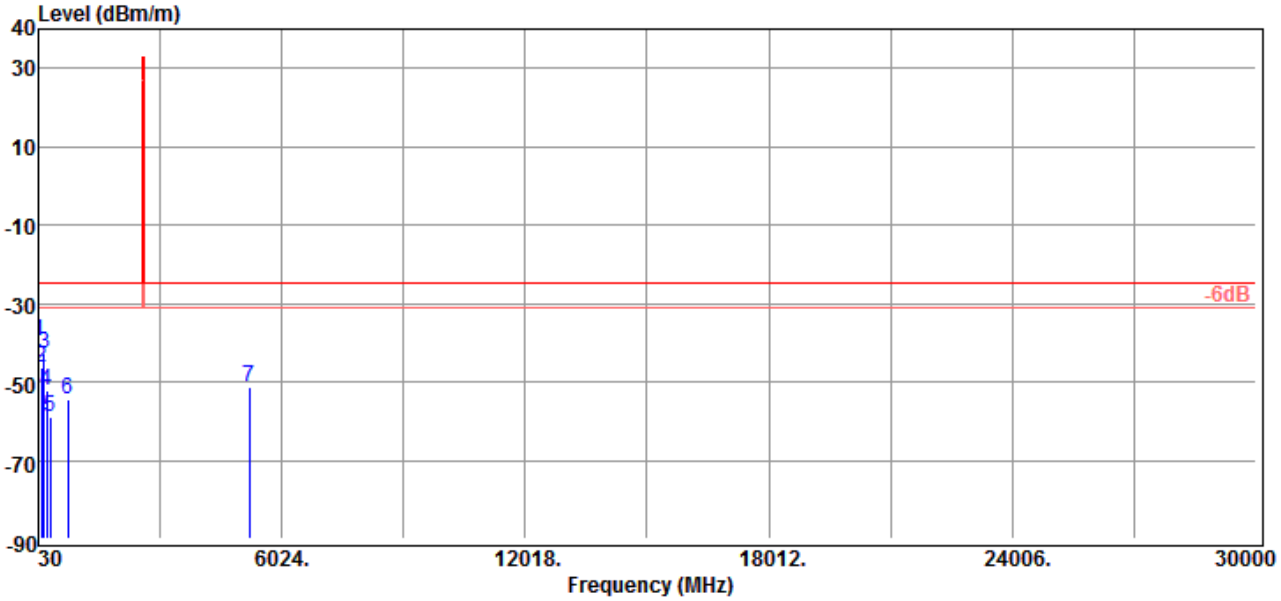
Operation Mode	:LTEB38 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH HIGH	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2610 MHz	Engineer	:Ashton



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-31.47	-15.12	-15.83	-0.52	-25.00	-6.47
98.87	-41.32	-39.66	-0.80	-0.86	-25.00	-16.32
173.56	-47.64	-50.73	4.20	-1.11	-25.00	-22.64
227.88	-53.30	-57.39	5.44	-1.35	-25.00	-28.30
434.49	-55.03	-58.90	5.92	-2.05	-25.00	-30.03
859.35	-55.43	-60.58	7.52	-2.37	-25.00	-30.43
5220.00	-51.01	-57.12	12.72	-6.61	-25.00	-26.01

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB38 QPSK RB1,0	Test Date	:2018-09-07
Test Mode	:TX CH HIGH	Temp./Humi.	:26/57
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2610 MHz	Engineer	:Ashton

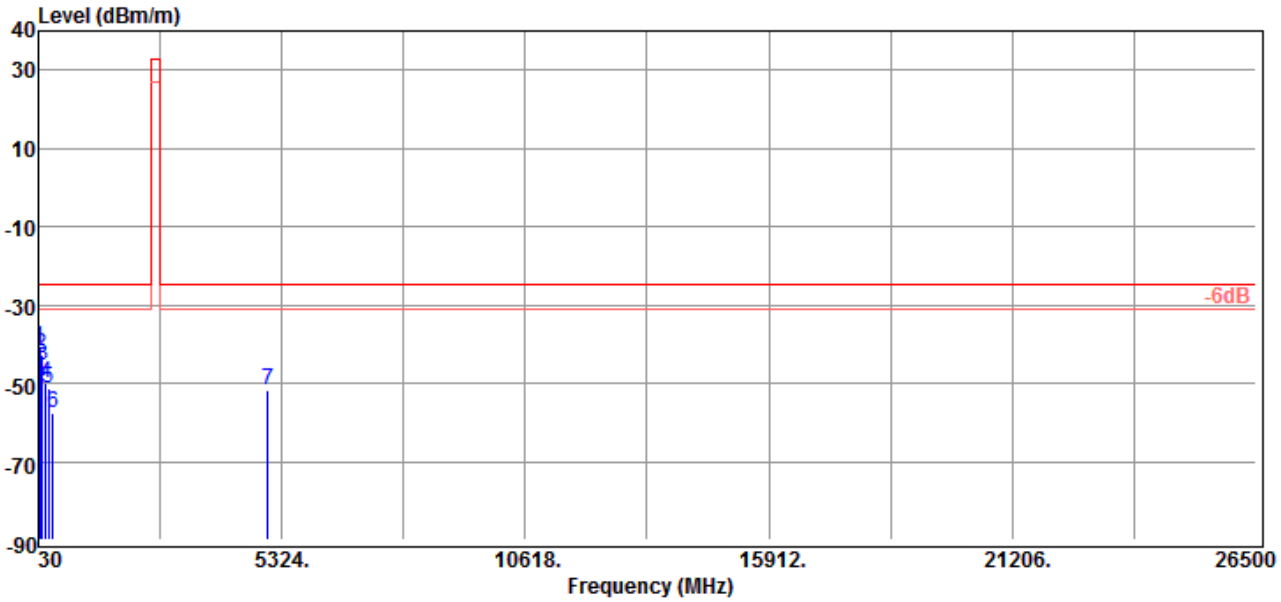


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-39.42	-23.83	-15.06	-0.53	-25.00	-14.42
104.69	-46.56	-45.18	-0.50	-0.88	-25.00	-21.56
170.65	-42.56	-45.47	4.01	-1.10	-25.00	-17.56
228.85	-52.22	-56.29	5.43	-1.36	-25.00	-27.22
314.21	-59.13	-63.25	5.83	-1.71	-25.00	-34.13
746.83	-54.25	-59.58	7.40	-2.07	-25.00	-29.25
5220.00	-51.22	-57.34	12.73	-6.61	-25.00	-26.22

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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

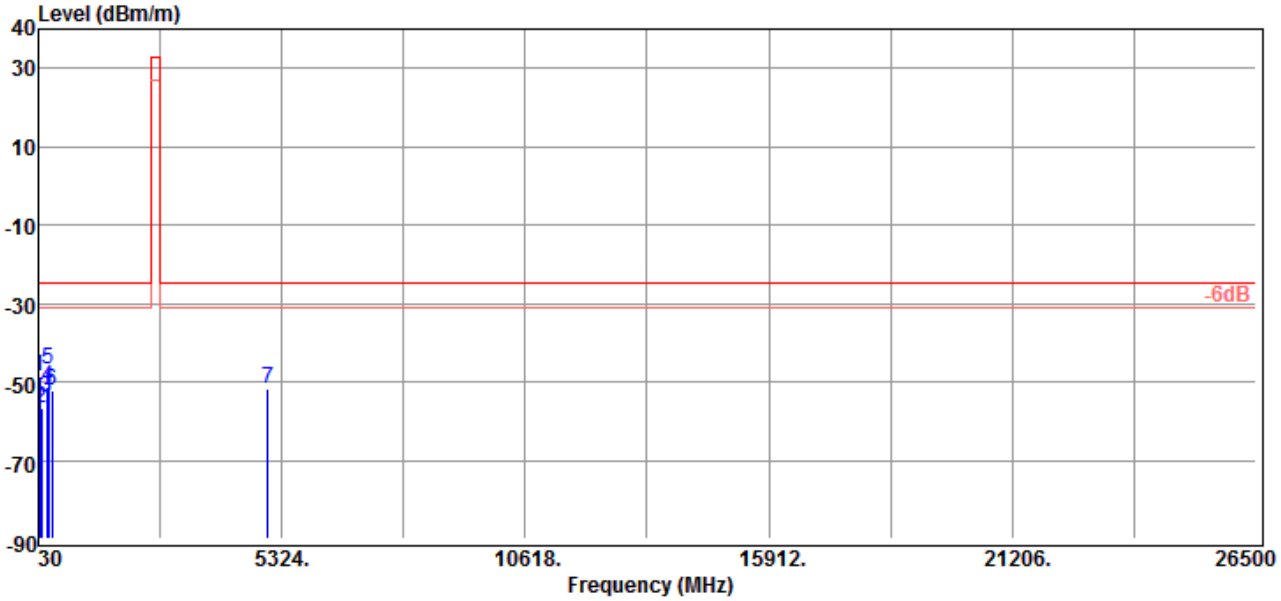
Operation Mode	:LTEB41 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2506 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-40.99	0.00	-4.15	-0.66	-25.00	-15.99
99.84	-42.72	0.00	-0.88	-0.86	-25.00	-17.72
112.45	-45.53	0.00	0.10	-0.90	-25.00	-20.53
194.90	-50.14	0.00	5.53	-1.22	-25.00	-25.14
251.16	-51.38	0.00	5.19	-1.44	-25.00	-26.38
339.43	-57.81	0.00	5.80	-1.88	-25.00	-32.81
5012.00	-51.71	0.00	12.51	-6.82	-25.00	-26.71

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

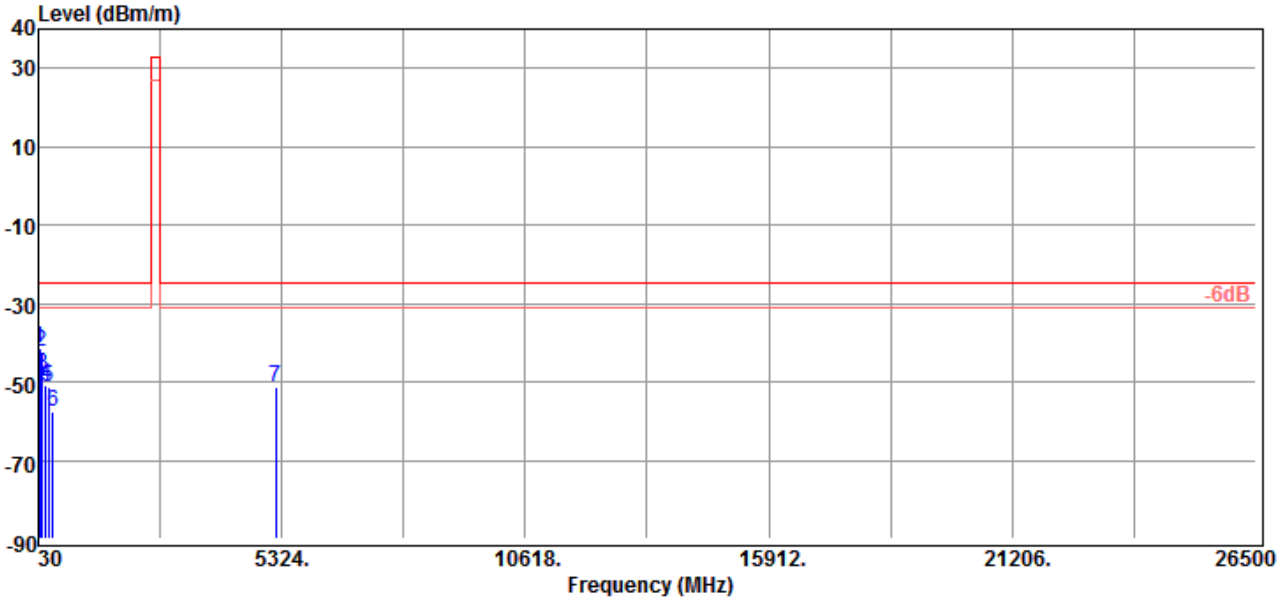
Operation Mode	:LTEB41 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2506 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-48.61	0.00	-4.15	-0.66	-25.00	-23.61
95.96	-56.66	0.00	-0.55	-0.84	-25.00	-31.66
202.66	-54.19	0.00	5.79	-1.25	-25.00	-29.19
234.67	-51.24	0.00	5.36	-1.38	-25.00	-26.24
252.13	-46.62	0.00	5.20	-1.45	-25.00	-21.62
330.70	-52.19	0.00	5.81	-1.82	-25.00	-27.19
5012.00	-51.82	0.00	12.51	-6.82	-25.00	-26.82

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

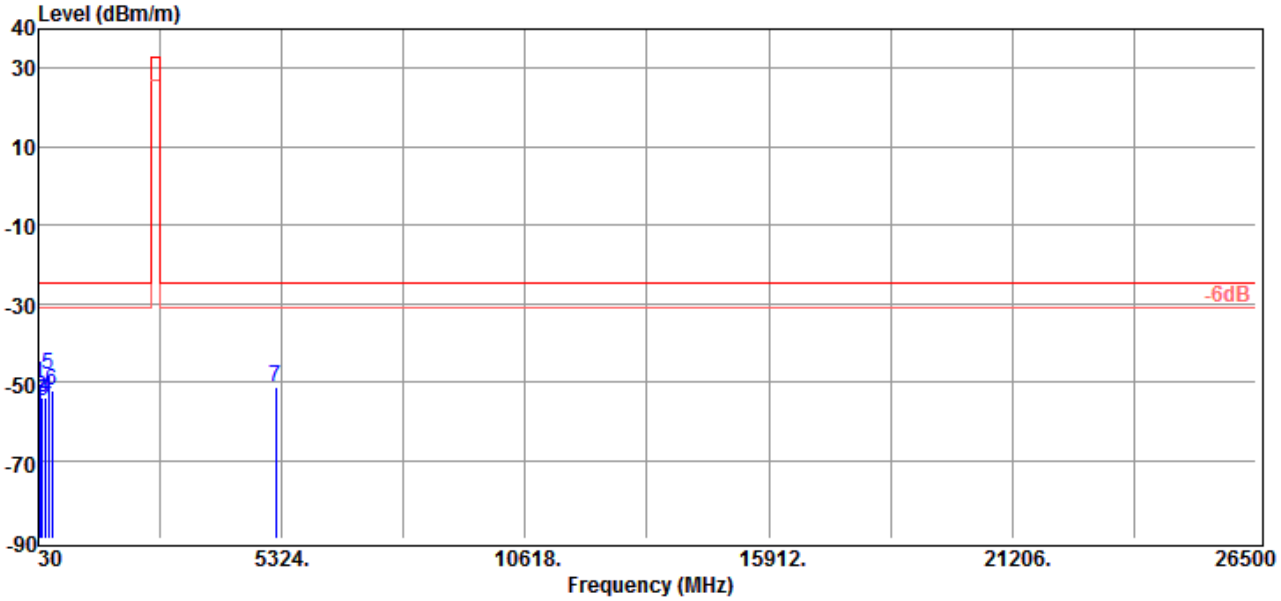
Operation Mode	:LTEB41 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2593 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-41.27	0.00	-4.15	-0.66	-25.00	-16.27
98.87	-42.22	0.00	-0.80	-0.86	-25.00	-17.22
111.48	-48.31	0.00	0.03	-0.90	-25.00	-23.31
197.81	-51.05	0.00	5.70	-1.23	-25.00	-26.05
251.16	-51.47	0.00	5.19	-1.44	-25.00	-26.47
337.49	-57.47	0.00	5.80	-1.87	-25.00	-32.47
5186.00	-51.51	0.00	12.69	-6.64	-25.00	-26.51

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

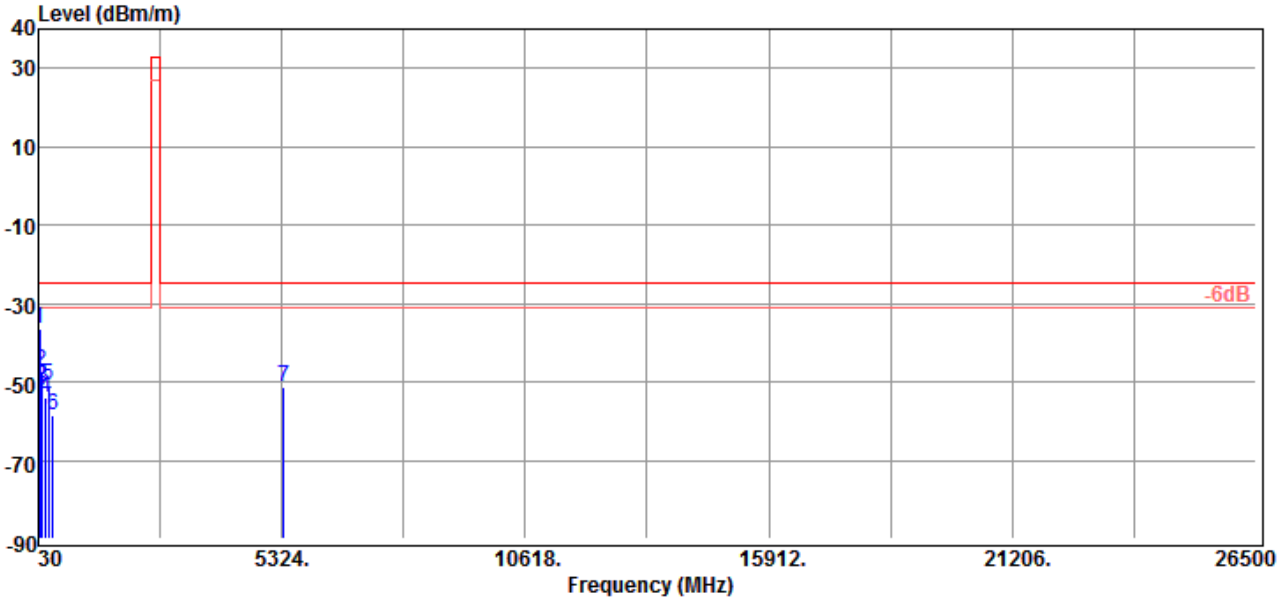
Operation Mode	:LTEB41 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2593 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-50.63	0.00	-4.15	-0.66	-25.00	-25.63
95.96	-53.87	0.00	-0.55	-0.84	-25.00	-28.87
119.24	-55.03	0.00	0.59	-0.92	-25.00	-30.03
197.81	-53.97	0.00	5.70	-1.23	-25.00	-28.97
253.10	-48.11	0.00	5.22	-1.45	-25.00	-23.11
335.55	-52.07	0.00	5.81	-1.85	-25.00	-27.07
5186.00	-51.31	0.00	12.69	-6.64	-25.00	-26.31

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

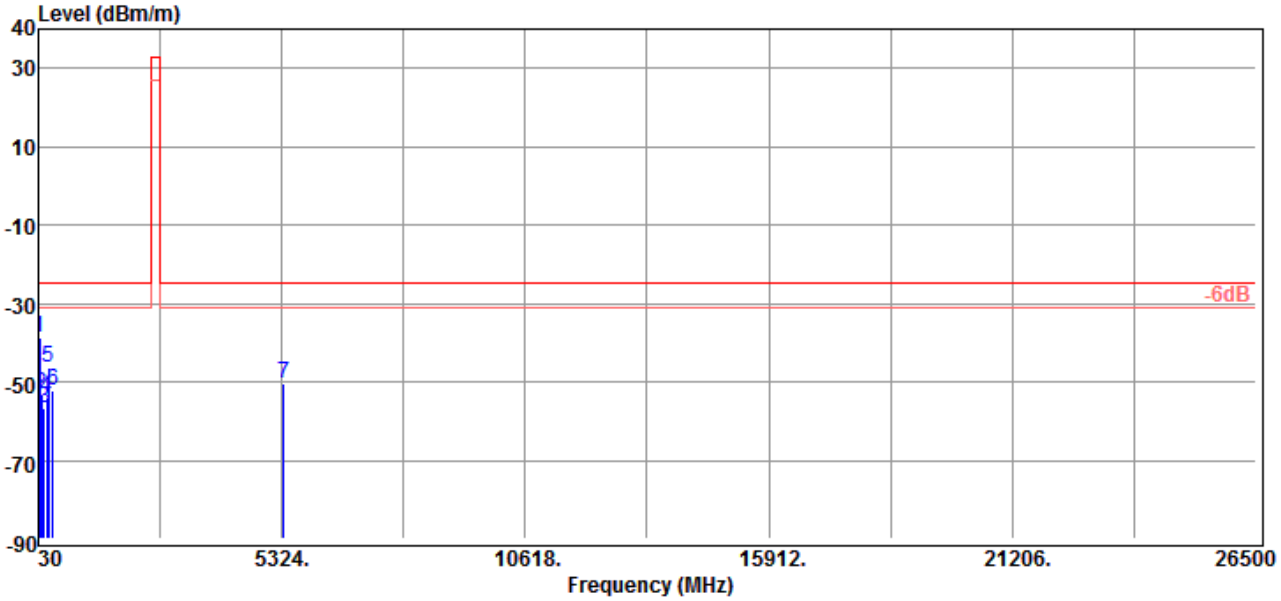
Operation Mode	:LTEB41 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:2680 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-36.60	0.00	-4.15	-0.66	-25.00	-11.60
94.99	-47.25	0.00	-0.46	-0.84	-25.00	-22.25
113.42	-51.37	0.00	0.17	-0.90	-25.00	-26.37
198.78	-53.82	0.00	5.76	-1.23	-25.00	-28.82
249.22	-50.84	0.00	5.18	-1.44	-25.00	-25.84
336.52	-58.59	0.00	5.81	-1.86	-25.00	-33.59
5360.00	-51.21	0.00	12.86	-6.47	-25.00	-26.21

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB41 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:2680 MHz	Engineer	:Enzo

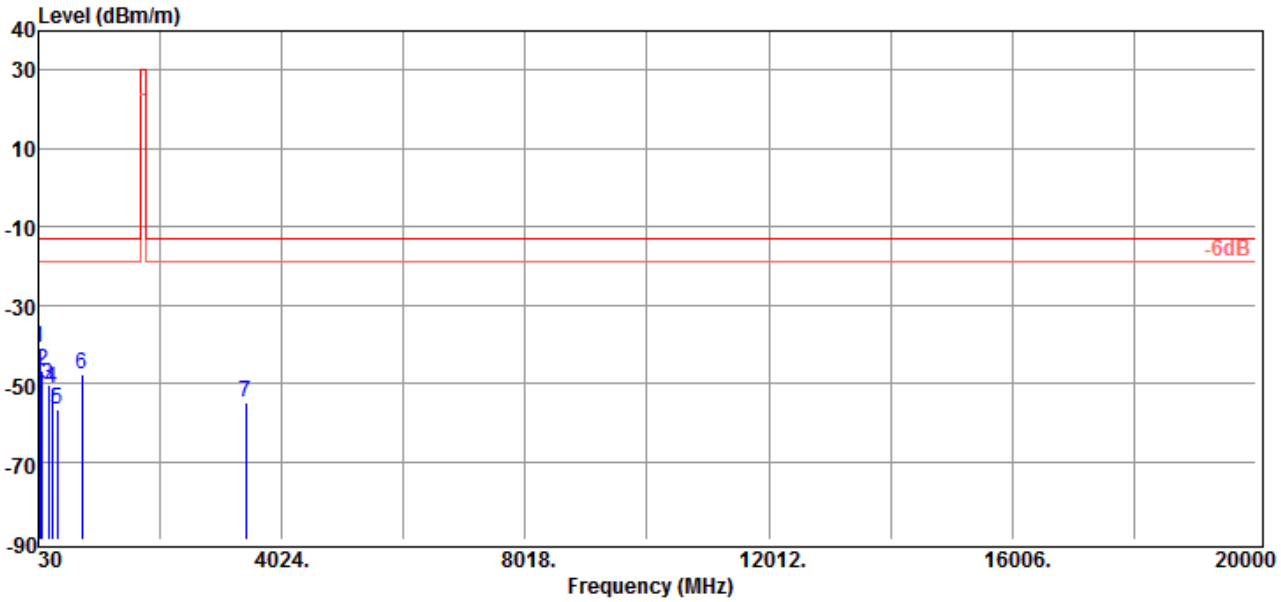


Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.37	-38.80	0.00	-4.55	-0.66	-25.00	-13.80
96.93	-52.93	0.00	-0.63	-0.85	-25.00	-27.93
158.04	-56.84	0.00	3.13	-1.04	-25.00	-31.84
204.60	-54.15	0.00	5.76	-1.26	-25.00	-29.15
249.22	-46.36	0.00	5.18	-1.44	-25.00	-21.36
337.49	-52.42	0.00	5.80	-1.87	-25.00	-27.42
5360.00	-50.22	0.00	12.86	-6.47	-25.00	-25.22

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: LTE-Band 66 (The Worst Case)

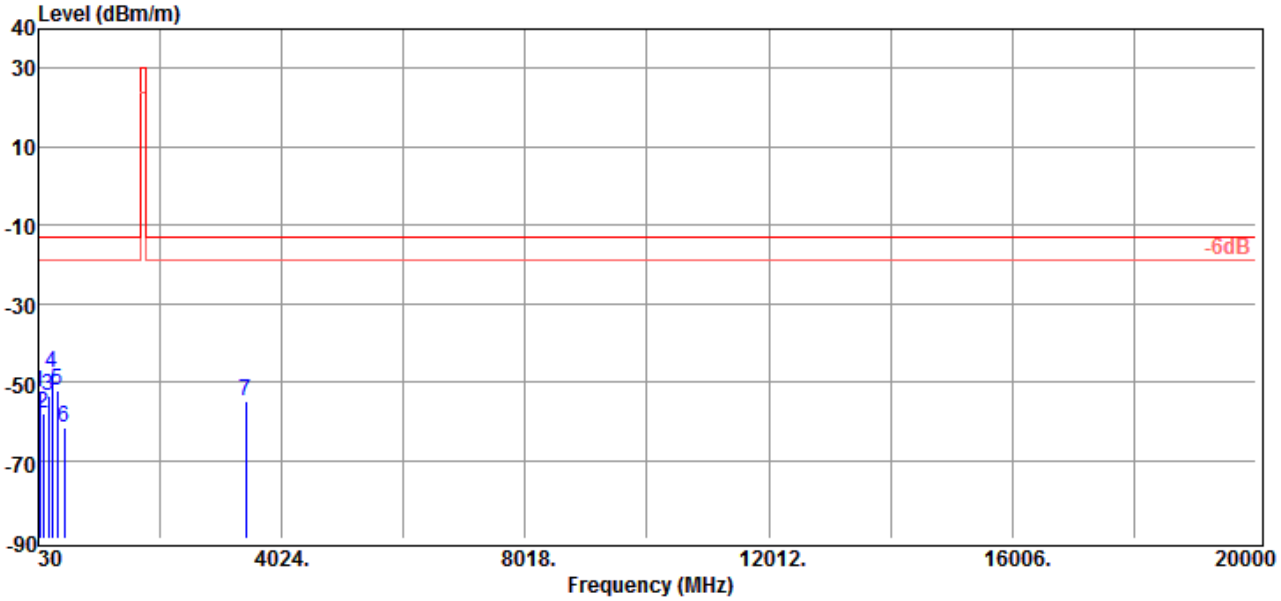
Operation Mode	:LTEB66 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1720 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.28	-40.75	-36.73	-3.36	-0.66	-13.00	-27.75
94.99	-47.01	-45.71	-0.46	-0.84	-13.00	-34.01
197.81	-50.50	-54.97	5.70	-1.23	-13.00	-37.50
251.16	-51.23	-54.98	5.19	-1.44	-13.00	-38.23
337.49	-56.73	-60.66	5.80	-1.87	-13.00	-43.73
745.86	-47.77	-53.10	7.40	-2.07	-13.00	-34.77
3440.00	-55.01	-60.48	12.19	-6.72	-13.00	-42.01

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

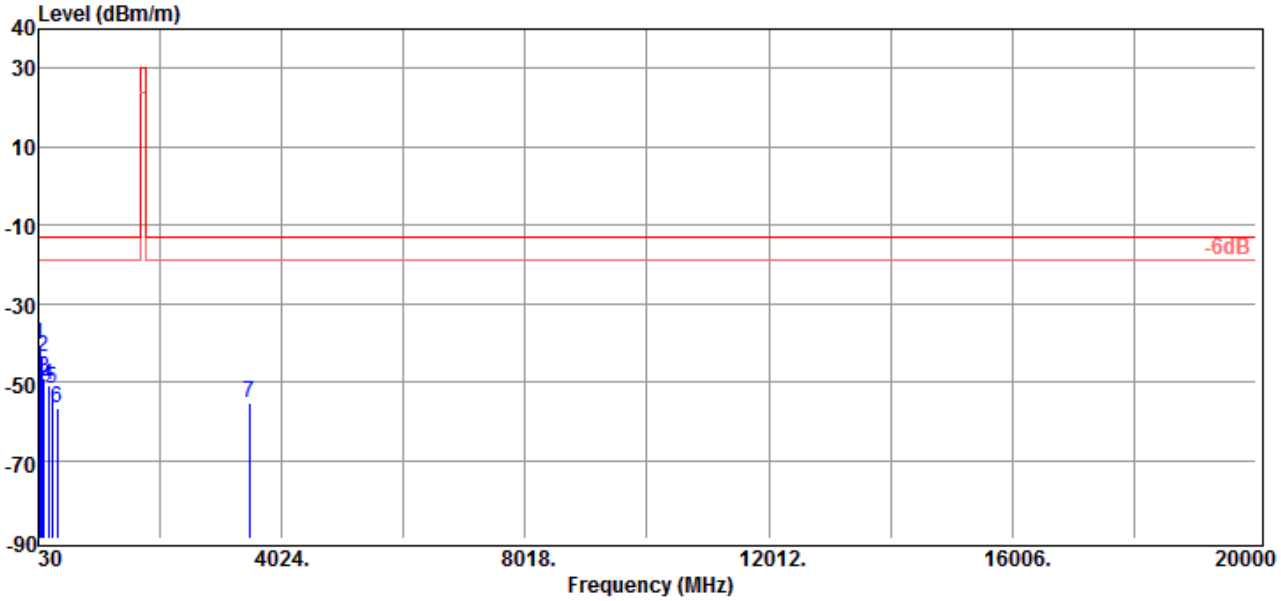
Operation Mode	:LTEB66 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH LOW	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1720 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-52.55	-47.74	-4.15	-0.66	-13.00	-39.55
112.45	-58.13	-57.33	0.10	-0.90	-13.00	-45.13
198.78	-53.62	-58.15	5.76	-1.23	-13.00	-40.62
251.16	-47.89	-51.64	5.19	-1.44	-13.00	-34.89
333.61	-52.07	-56.04	5.81	-1.84	-13.00	-39.07
450.01	-61.75	-65.76	6.07	-2.06	-13.00	-48.75
3440.00	-55.11	-60.58	12.19	-6.72	-13.00	-42.11

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

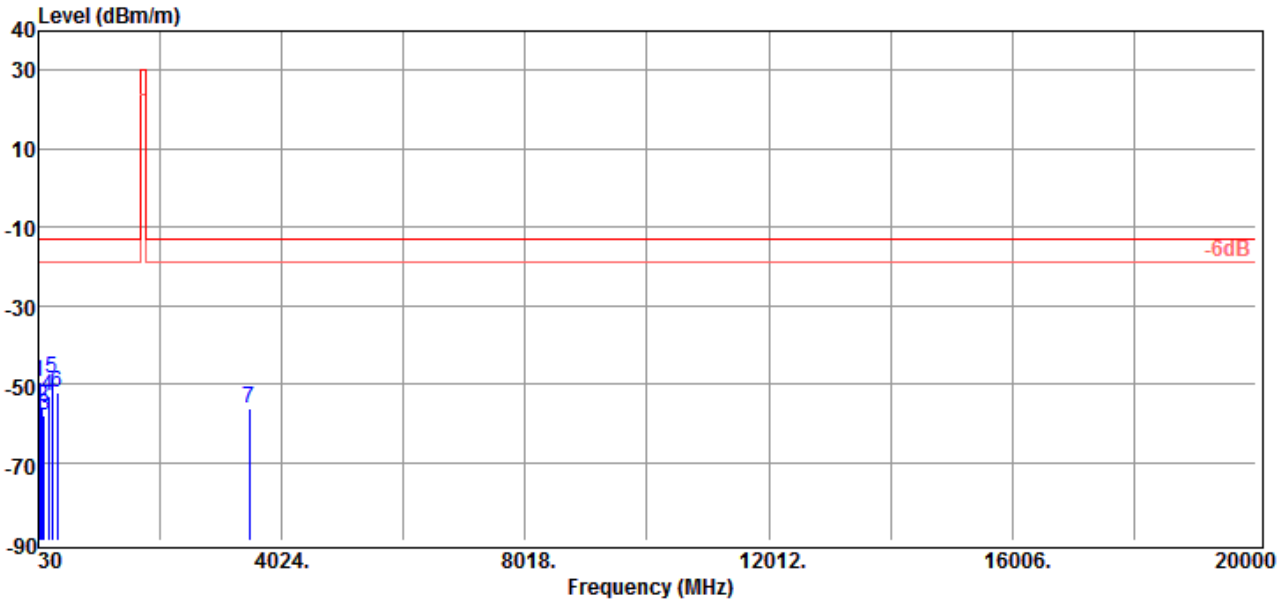
Operation Mode	:LTEB66 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1745 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-40.68	-36.27	-3.75	-0.66	-13.00	-27.68
93.05	-43.51	-42.39	-0.29	-0.83	-13.00	-30.51
118.27	-48.86	-48.48	0.53	-0.91	-13.00	-35.86
198.78	-50.73	-55.26	5.76	-1.23	-13.00	-37.73
252.13	-51.58	-55.33	5.20	-1.45	-13.00	-38.58
338.46	-56.58	-60.51	5.80	-1.87	-13.00	-43.58
3490.00	-55.26	-60.58	12.28	-6.96	-13.00	-42.26

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

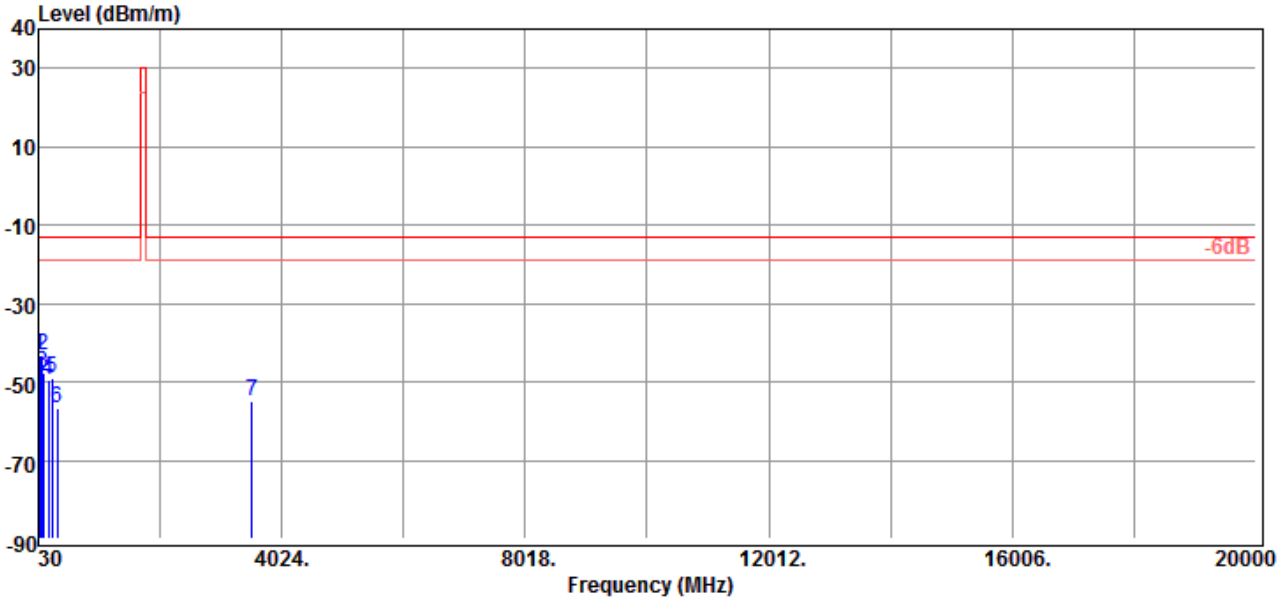
Operation Mode	:LTEB66 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH MID	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1745 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-49.32	-44.51	-4.15	-0.66	-13.00	-36.32
94.99	-55.90	-54.60	-0.46	-0.84	-13.00	-42.90
118.27	-58.20	-57.82	0.53	-0.91	-13.00	-45.20
198.78	-53.28	-57.81	5.76	-1.23	-13.00	-40.28
250.19	-48.41	-52.14	5.17	-1.44	-13.00	-35.41
333.61	-52.10	-56.07	5.81	-1.84	-13.00	-39.10
3490.00	-56.33	-61.65	12.28	-6.96	-13.00	-43.33

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

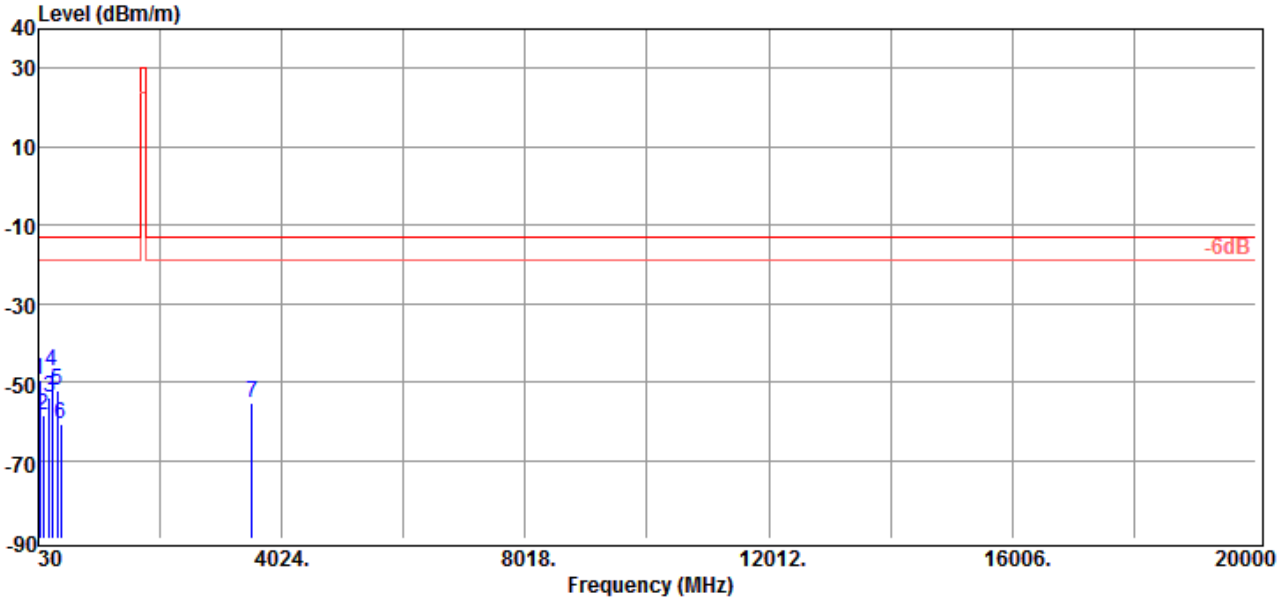
Operation Mode	:LTEB66 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:VERTICAL
Test Channel	:1770 MHz	Engineer	:Enzo



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
53.28	-43.34	-39.32	-3.36	-0.66	-13.00	-30.34
96.93	-43.09	-41.61	-0.63	-0.85	-13.00	-30.09
115.36	-47.84	-47.25	0.32	-0.91	-13.00	-34.84
197.81	-49.69	-54.16	5.70	-1.23	-13.00	-36.69
248.25	-48.94	-52.70	5.19	-1.43	-13.00	-35.94
337.49	-56.83	-60.76	5.80	-1.87	-13.00	-43.83
3540.00	-55.05	-60.42	12.33	-6.96	-13.00	-42.05

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Operation Mode	:LTEB66 20M QPSK RB1,0	Test Date	:2018-08-24
Test Mode	:TX CH HIGH	Temp./Humi.	:25/60
EUT Pol	:E2 Plan	Antenna Pol.	:HORIZONTAL
Test Channel	:1770 MHz	Engineer	:Enzo



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-49.56	-45.15	-3.75	-0.66	-13.00	-36.56
111.48	-58.61	-57.74	0.03	-0.90	-13.00	-45.61
206.54	-53.92	-58.38	5.73	-1.27	-13.00	-40.92
249.22	-47.40	-51.14	5.18	-1.44	-13.00	-34.40
336.52	-52.11	-56.06	5.81	-1.86	-13.00	-39.11
400.54	-60.57	-64.09	5.56	-2.04	-13.00	-47.57
3540.00	-55.36	-60.73	12.33	-6.96	-13.00	-42.36

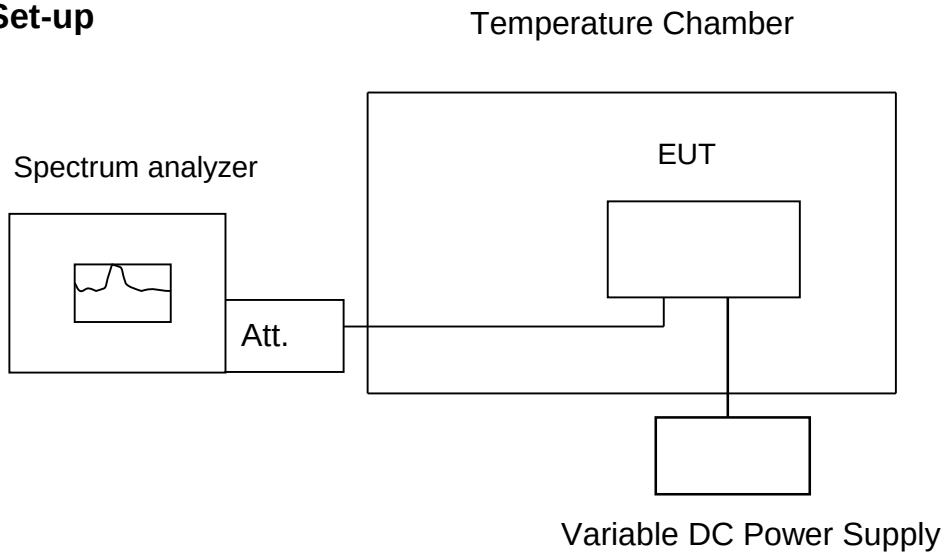
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

10. FREQUENCY STABILITY MEASUREMENT

10.1. Standard Applicabl

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

10.2. Test Set-up



Note: Measurement setup for testing on Antenna connector

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

10.3. Measurement Procedure

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

Set chamber temperature to 25℃. 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.

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

10.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	N9010A	MY51440113	2018/06/20	2019/06/19
Radio Communica-tion Analyer	Anritsu	MT8820C	6201107337	2018/06/15	2019/06/14
DC Power Supply	Agilent	E3640A	MY53130054	2017/09/04	2018/09/03
Attenuator	Marvelous	MVE2213-10	RF30	2017/12/26	2018/12/25
Splitter	Woken	DOM35LW1A2	RF36	2017/12/26	2018/12/25

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

10.5. Measurement Result

WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
7.7	20	1879.999999	-1.000000111	4700
100 (End point)	20	1879.999987	-13.00000008	4700
FREQUENCY ERROR vs. Temp.				
7.7	50	1880.000004	3.99999999	4700
7.7	40	1879.999989	-11.00000009	4700
7.7	30	1879.999979	-21.00000006	4700
7.7	20	1879.999999	-1.000000111	4700
7.7	10	1879.999989	-11.00000009	4700
7.7	0	1879.999975	-25.00000005	4700
7.7	-10	1879.999974	-25.99999993	4700
7.7	-20	1879.999986	-13.99999996	4700
7.7	-30	1880	0	4700

WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
7.7	20	1732.599997	-2.999999879	4331
100 (End point)	20	1732.600011	11.00000009	4331
FREQUENCY ERROR vs. Temp.				
7.7	50	1732.600021	21.00000006	4331
7.7	40	1732.600017	17.00000007	4331
7.7	30	1732.600001	1.000000111	4331
7.7	20	1732.599997	-2.999999879	4331
7.7	10	1732.599995	-4.999999874	4331
7.7	0	1732.600012	12.0000002	4331
7.7	-10	1732.599972	-27.99999993	4331
7.7	-20	1732.600012	12.0000002	4331
7.7	-30	1732.599975	-24.99999982	4331

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
7.7	20	836.6	0	2091
100 (End point)	20	836.600019	18.99999995	2091
FREQUENCY ERROR vs. Temp.				
7.7	50	836.59999	-9.999999975	2091
7.7	40	836.600006	5.999999985	2091
7.7	30	836.60002	19.99999995	2091
7.7	20	836.6	0	2091
7.7	10	836.60002	19.99999995	2091
7.7	0	836.599984	-16.00000007	2091
7.7	-10	836.600013	12.99999997	2091
7.7	-20	836.59998	-20.00000006	2091
7.7	-30	836.599994	-5.999999985	2091

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	LTE B2 Mid Channel	1880	MHz 20M QPSK CH 18900	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	1879.999976	-24	4700
100 (End Point)	25	1880.000007	7.0000001	4700
Freq. ERROR vs. Temp.				
7.7	-30	1880.000023	23	4700
7.7	-20	1879.999984	-16	4700
7.7	-10	1879.999981	-19	4700
7.7	0	1879.999999	-1	4700
7.7	10	1879.999980	-20	4700
7.7	20	1880.000004	4	4700
7.7	30	1880.000019	19	4700
7.7	40	1879.999987	-13	4700
7.7	50	1879.999977	-23	4700

Reference Freq.:	LTE B4 Mid Channel	1732.5	MHz 20M QPSK CH 20175	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	1732.500005	5.0000001	4331
100 (End Point)	25	1732.500017	17	4331
Freq. ERROR vs. Temp.				
7.7	-30	1732.500013	13	4331
7.7	-20	1732.499995	-5	4331
7.7	-10	1732.500023	23	4331
7.7	0	1732.499981	-19	4331
7.7	10	1732.500024	24	4331
7.7	20	1732.500001	1.0000001	4331
7.7	30	1732.499980	-20	4331
7.7	40	1732.499975	-25	4331
7.7	50	1732.500000	0	4331

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	LTE B5 Mid Channel	836.5	MHz 10M QPSK CH 20525	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	836.499992	-8	2091
100 (End Point)	25	836.500000	0	2091
Freq. ERROR vs. Temp.				
7.7	-30	836.500008	8	2091
7.7	-20	836.500008	8	2091
7.7	-10	836.500011	11	2091
7.7	0	836.500017	17	2091
7.7	10	836.499984	-16	2091
7.7	20	836.499984	-16	2091
7.7	30	836.500015	15	2091
7.7	40	836.499985	-15	2091
7.7	50	836.500011	11	2091

Reference Freq.:	LTE B7 Mid Channel	2535	MHz 10M QPSK CH 21100	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	2535.000023	23	6338
100 (End Point)	25	2534.999981	-19	6338
Freq. ERROR vs. Temp.				
7.7	-30	2534.999995	-5	6338
7.7	-20	2535.000012	12	6338
7.7	-10	2535.000010	10	6338
7.7	0	2534.999990	-10	6338
7.7	10	2534.999979	-21	6338
7.7	20	2535.000021	21	6338
7.7	30	2534.999982	-18	6338
7.7	40	2535.000021	21	6338
7.7	50	2535.000024	24	6338

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	LTE B12 Mid Channel	707.5	MHz 10M QPSK CH 23095	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	707.499996	-4	1769
100 (End Point)	25	707.499999	-1	1769
Freq. ERROR vs. Temp.				
7.7	-30	707.500003	3	1769
7.7	-20	707.500021	21	1769
7.7	-10	707.499987	-13	1769
7.7	0	707.500010	10	1769
7.7	10	707.500008	8	1769
7.7	20	707.499996	-4	1769
7.7	30	707.499986	-14	1769
7.7	40	707.500010	10	1769
7.7	50	707.499985	-15	1769

Reference Freq.:	LTE B13 Mid Channel	782	MHz 10M QPSK CH 23230	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	782.000007	7	1955
100 (End Point)	25	781.999998	-2	1955
Freq. ERROR vs. Temp.				
7.7	-30	782.000018	18	1955
7.7	-20	782.000010	10	1955
7.7	-10	782.000013	13	1955
7.7	0	782.000020	20	1955
7.7	10	781.999992	-8	1955
7.7	20	782.000015	15	1955
7.7	30	781.999991	-9	1955
7.7	40	781.999995	-5	1955
7.7	50	781.999975	-25	1955

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	LTE B14 Mid Channel	793	MHz 10M QPSK CH 23330	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 1.25 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	792.999987	-13	991.25
100 (End Point)	25	793.000023	23	991.25
Freq. ERROR vs. Temp.				
7.7	-30	793.000012	12	991.25
7.7	-20	792.999995	-5	991.25
7.7	-10	793.000012	12	991.25
7.7	0	793.000002	2	991.25
7.7	10	792.999997	-3	991.25
7.7	20	793.000019	19	991.25
7.7	30	792.999976	-24	991.25
7.7	40	793.000000	0	991.25
7.7	50	792.999983	-17	991.25

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				
7.7	25	710.000022	22	1775
100 (End Point)	25	710.000006	6	1775
Freq. ERROR vs. Temp.				
7.7	-30	709.999994	-6	1775
7.7	-20	710.000020	20	1775
7.7	-10	709.999986	-14	1775
7.7	0	709.999977	-23	1775
7.7	10	709.999994	-6	1775
7.7	20	710.000006	6	1775
7.7	30	710.000015	15	1775
7.7	40	709.999982	-18	1775
7.7	50	710.000023	23	1775

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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				
7.7	25	1882.499984	-16	4700
100 (End Point)	25	1882.499983	-17	4700
Freq. ERROR vs. Temp.				
7.7	-30	1882.500020	20	4700
7.7	-20	1882.500000	0	4700
7.7	-10	1882.499986	-14	4700
7.7	0	1882.499980	-20	4700
7.7	10	1882.500014	14	4700
7.7	20	1882.499999	-1	4700
7.7	30	1882.500021	21	4700
7.7	40	1882.499994	-6	4700
7.7	50	1882.499984	-16	4700

Reference Freq.:	LTE B26 Mid Channel	831.5	MHz 15M QPSK CH 26865	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	831.500014	14	2091
100 (End Point)	25	831.499981	-19	2091
Freq. ERROR vs. Temp.				
7.7	-30	831.499978	-22	2091
7.7	-20	831.500020	20	2091
7.7	-10	831.500004	4	2091
7.7	0	831.499998	-2	2091
7.7	10	831.499987	-13	2091
7.7	20	831.500004	4	2091
7.7	30	831.499991	-9	2091
7.7	40	831.499981	-19	2091
7.7	50	831.500009	9	2091

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	Part 90 LTE B26 Mid Channel	819	MHz 10M QPSK CH 26740	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE (LTE B26 for Part 90S)				
7.7	25	818.999985	-15	2048
100 (End Point)	25	819.000002	2	2048
Freq. ERROR vs. Temp.				
7.7	-30	818.999977	-23	2048
7.7	-20	819.000024	24	2048
7.7	-10	818.999992	-8	2048
7.7	0	819.000004	4	2048
7.7	10	819.000012	12	2048
7.7	20	818.999998	-2	2048
7.7	30	819.000007	7	2048
7.7	40	819.000018	18	2048
7.7	50	819.000020	20	2048

Reference Freq.:	LTE B30 Mid Channel	2310	MHz 10M QPSK CH 27710	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	2310.000017	17	6488
100 (End Point)	25	2309.999985	-15	6488
Freq. ERROR vs. Temp.				
7.7	-30	2310.000007	7.0000001	6488
7.7	-20	2310.000014	14	6488
7.7	-10	2309.999981	-19	6488
7.7	0	2309.999984	-16	6488
7.7	10	2310.000007	7.0000001	6488
7.7	20	2309.999993	-7	6488
7.7	30	2310.000017	17	6488
7.7	40	2310.000022	22	6488
7.7	50	2310.000015	15	6488

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	LTE B38 Mid Channel	2595	MHz 10M QPSK CH 38000	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	2595.000009	8.9999999	6488
100 (End Point)	25	2594.999999	-1	6488
Freq. ERROR vs. Temp.				
7.7	-30	2594.999985	-15	6488
7.7	-20	2595.000014	14	6488
7.7	-10	2595.000002	2.0000002	6488
7.7	0	2595.000001	0.9999999	6488
7.7	10	2594.999999	-1	6488
7.7	20	2594.999975	-25	6488
7.7	30	2595.000006	6.0000002	6488
7.7	40	2595.000002	2.0000002	6488
7.7	50	2594.999976	-24	6488

Reference Freq.:	LTE B41 Mid Channel	2593	MHz 10M QPSK CH 40620	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	2593.000022	22	6488
100 (End Point)	25	2592.999995	-5	6488
Freq. ERROR vs. Temp.				
7.7	-30	2592.999977	-23	6488
7.7	-20	2592.999994	-6	6488
7.7	-10	2593.000016	16	6488
7.7	0	2592.999997	-3	6488
7.7	10	2592.999987	-13	6488
7.7	20	2593.000017	17	6488
7.7	30	2592.999996	-4	6488
7.7	40	2592.999994	-6	6488
7.7	50	2593.000016	16	6488

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Reference Freq.:	LTE B66 Mid Channel	1745	MHz 10M QPSK CH 132322	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
7.7	25	1744.999992	-8	6488
100 (End Point)	25	1745.000020	20	6488
Freq. ERROR vs. Temp.				
7.7	-30	1745.000002	2	6488
7.7	-20	1744.999996	-4	6488
7.7	-10	1744.999998	-2	6488
7.7	0	1745.000007	7.0000001	6488
7.7	10	1744.999981	-19	6488
7.7	20	1745.000000	0	6488
7.7	30	1745.000005	5.0000001	6488
7.7	40	1744.999984	-16	6488
7.7	50	1744.999987	-13	6488

Note: The battery is rated 7.7V dc.

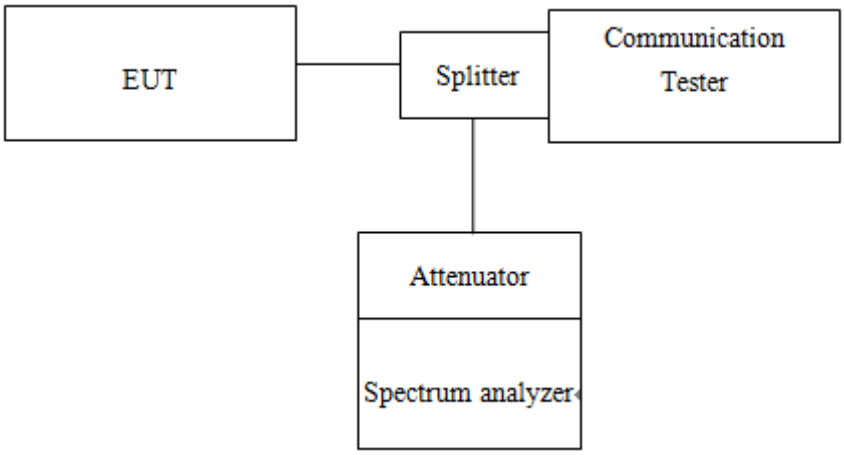
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
SGS Taiwan Ltd. 台灣檢驗科技股份有限公司
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號
t (886-2) 2299-3279 f (886-2) 2298-0488 www.tw.sgs.com

11. PEAK TO AVERAGE RATIO

11.1. Standard Applicable

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

11.2. Test SET-UP



11.3. Measurement Procedure

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

11.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	N9010A	MY51440113	2018/06/20	2019/06/19
Radio Communica-tion Analyer	Anritsu	MT8820C	6201107337	2018/06/15	2019/06/14
DC Power Supply	Agilent	E3640A	MY53130054	2017/09/04	2018/09/03
Attenuator	Marvelous	MVE2213-10	RF30	2017/12/26	2018/12/25
Splitter	Woken	DOM35LW1A2	RF36	2017/12/26	2018/12/25

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

11.5. Measurement Result

Tabular Results:

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	9262	3.02	3.00	2.98
1880	9400	**2.62**	**2.61**	**2.60**
1907.6	9538	2.32	2.34	2.30

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	2.78	2.82	2.84
1732.6	1413	**2.12**	**2.06**	**2.11**
1752.6	1513	2.97	2.92	3.04

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA V	HSDPA V	HSUPA V
826.4	4132	2.37	2.37	2.32
836.6	4183	**2.72**	**2.89**	**2.69**
846.6	4233	2.41	2.75	2.37

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1850.7	18607	5.97	13	1851.5	18615	5.92	13
1880.0	18900	6.09	13	1880.0	18900	6.23	13
1909.3	19193	5.26	13	1908.5	19185	5.82	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1852.5	18625	6.17	13	1855.0	18650	5.83	13
1880.0	18900	5.93	13	1880.0	18900	5.87	13
1907.5	19175	5.73	13	1905.0	19150	5.57	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1857.5	18675	4.73	13	1860.0	18700	4.22	13
1880.0	18900	5.53	13	1880.0	18900	5.90	13
1902.5	19125	4.71	13	1900.0	19100	4.65	13

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1710.7	19957	6.20	13	1711.5	19965	6.43	13
1732.5	20175	6.08	13	1732.5	20175	6.28	13
1754.3	20393	6.62	13	1753.5	20385	6.34	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1712.5	19957	6.28	13	1715.0	20000	5.16	13
1732.5	20175	6.19	13	1732.5	20175	5.20	13
1752.5	20375	6.43	13	1750.0	20350	5.01	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1717.5	20025	5.14	13	1720.0	20050	5.12	13
1732.5	20175	5.12	13	1732.5	20175	5.32	13
1747.5	20325	5.08	13	1745.0	20300	5.13	13

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
824.7	20407	5.39	13	825.5	20415	5.74	13
836.5	20525	5.00	13	836.5	20525	5.57	13
848.3	20643	4.34	13	847.5	20635	4.91	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
826.5	20425	5.63	13	829.0	20450	5.08	13
836.5	20525	5.47	13	836.5	20525	5.64	13
846.5	20625	4.83	13	844.0	20600	5.10	13

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
2502.5	20775	6.56	13	2505.0	20800	5.41	13
2535.0	21100	6.61	13	2535.0	21100	5.43	13
2567.5	21375	6.65	13	2565.0	21350	5.29	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
2507.5	20825	5.38	13	2510	20850	5.32	13
2535.0	21100	5.51	13	2535	21100	5.63	13
2562.5	21375	5.37	13	2560	21350	5.48	13

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
699.7	23017	4.72	13	700.5	23025	4.99	13
707.5	23095	5.89	13	707.5	23095	6.10	13
715.3	23173	3.89	13	714.5	23165	4.63	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
701.5	23035	4.67	13	704.0	23060	4.33	13
707.5	23095	6.00	13	707.5	23095	5.29	13
713.5	23155	4.63	13	711.0	23130	5.46	13

LTE BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
779.5	23205	4.99	13	782.0	23230	4.52	13
782.0	23230	4.94	13				
784.5	23255	5.35	13				

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 14							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
790.5	23305	4.85	13	793.0	23330	4.55	13
793	23330	5.15	13				
795.5	23355	5.57	13				

LTE BAND 17							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
706.5	23755	5.77	13	709.0	23780	5.59	13
710.0	23790	5.82	13	710.0	23790	5.54	13
713.5	23825	4.65	13	711.0	23800	5.49	13

LTE BAND 25							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1850.7	26047	6.08	13	1851.5	26055	6.25	13
1882.5	26365	6.71	13	1882.5	26365	6.48	13
1914.3	26683	5.94	13	1913.5	26675	6.08	13

LTE BAND 25							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1852.5	26065	6.14	13	1855.0	26090	4.45	13
1882.5	26365	6.44	13	1882.5	26365	4.88	13
1912.5	26665	5.87	13	1910.0	26640	4.43	13

LTE BAND 25							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
1857.5	26115	4.46	13	1860.0	26140	4.30	13
1882.5	26365	4.64	13	1882.5	26365	4.38	13
1907.5	26615	4.14	13	1905.0	26590	3.62	13

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
814.7	26697	4.50	13	815.5	26705	5.31	13
831.5	26865	5.08	13	831.5	26865	5.53	13
848.3	27033	4.28	13	847.5	27025	4.97	13

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
816.5	26715	5.29	13	820.0	26750	5.56	13
831.5	26865	5.52	13	831.5	26865	4.89	13
846.5	27015	4.83	13	844.0	26990	5.08	13

LTE BAND 26							
Channel bandwidth: 15MHz							
Freq. (MHz)	CH	PAPR (dB)					
		16 QAM	Limit				
822.5	26775	5.89	13				
831.5	26865	4.96	13				
841.5	26965	5.81	13				

LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
814.7	26697	4.44	13	815.5	26705	5.24	13
819.0	26740	5.32	13	819	26740	5.76	13
823.3	26783	5.50	13	822.5	26775	5.89	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
816.5	26715	5.77	13	819.0	26740	5.32	13
819.0	26740	5.69	13				
821.5	26765	5.77	13				

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 30							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16 QAM	Limit			16 QAM	Limit
2307.5	27685	6.98	13	2310.0	27710	6.27	13
2310.0	27710	6.47	13				
2312.5	27735	6.93	13				

LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
2572.5	37775	9.07	13	2575	37800	7.37	13
2595.0	38000	8.86	13	2595	38000	7.32	13
2617.5	38225	7.83	13	2615	38200	4.95	13

LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
2577.5	37825	7.84	13	2580.0	37850	9.69	13
2595.0	38000	9.26	13	2595.0	38000	9.05	13
2612.5	38175	8.23	13	2610.0	38150	8.66	13

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
2498.5	39675	9.14	13	2501.0	39700	9.15	13
2593.0	40620	6.68	13	2593.0	40620	7.30	13
2687.5	41565	9.15	13	2685.0	41540	6.27	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16 QAM	Limit			16 QAM	Limit
2503.5	39725	7.88	13	2506.0	39750	6.02	13
2593.0	40620	6.26	13	2593.0	40620	8.96	13
2682.5	41515	7.15	13	2680.0	41490	7.60	13

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

LTE BAND 66							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
1710.7	131979	5.16	13	1711.5	131987	5.60	13
1745.0	132322	5.18	13	1745.0	132322	5.51	13
1779.3	132665	5.82	13	1778.5	132657	5.92	13

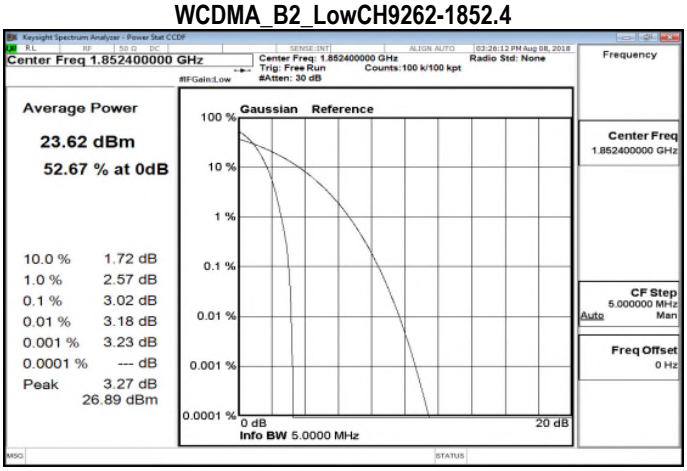
LTE BAND 66							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
1712.5	131997	5.66	13	1715.0	132022	4.68	13
1745.0	132322	5.49	13	1745.0	132322	4.88	13
1777.5	132647	5.78	13	1775.0	132622	5.10	13

LTE BAND 66							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
1717.5	132047	5.97	13	1720.0	132072	6.00	13
1745.0	132322	5.78	13	1745.0	132322	5.97	13
1772.5	132597	5.91	13	1770.0	132572	6.06	13

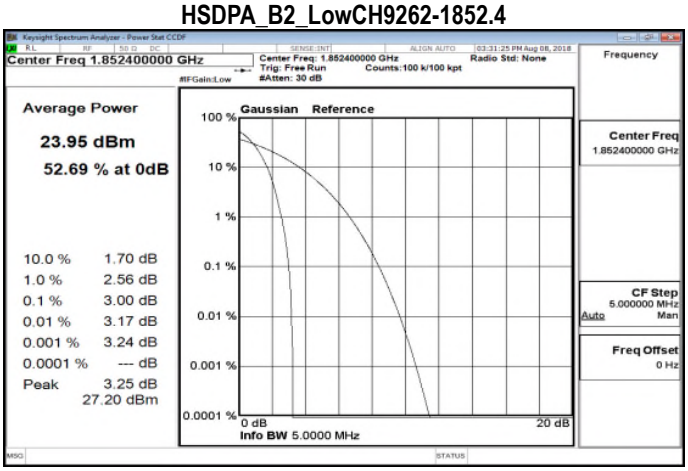
Please refer to next page for test plots.

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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

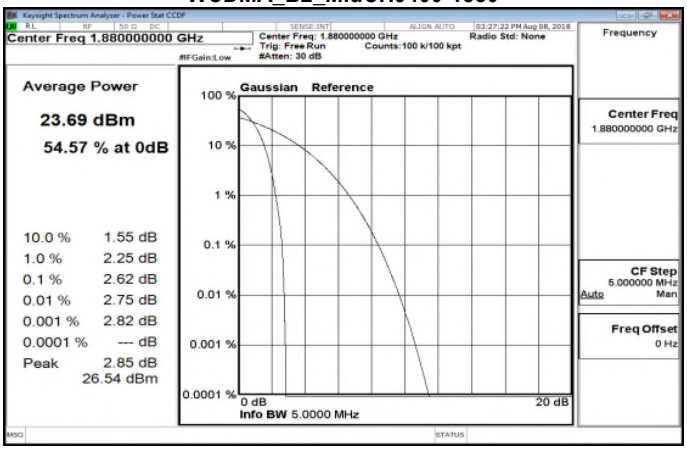
WCDMA_B2_LowCH9262-1852.4



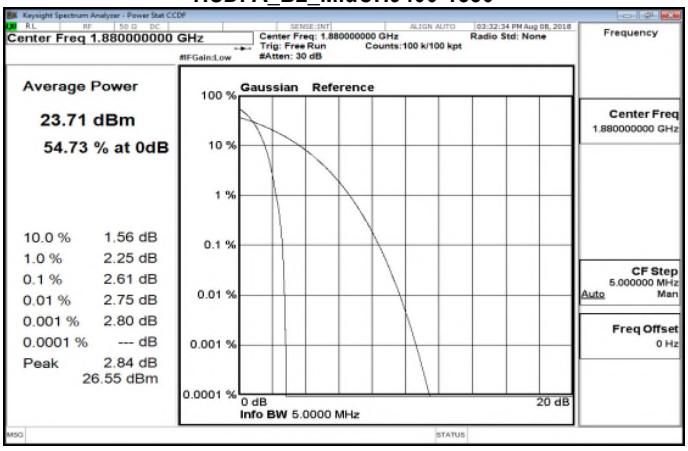
HSDPA_B2_LowCH9262-1852.4



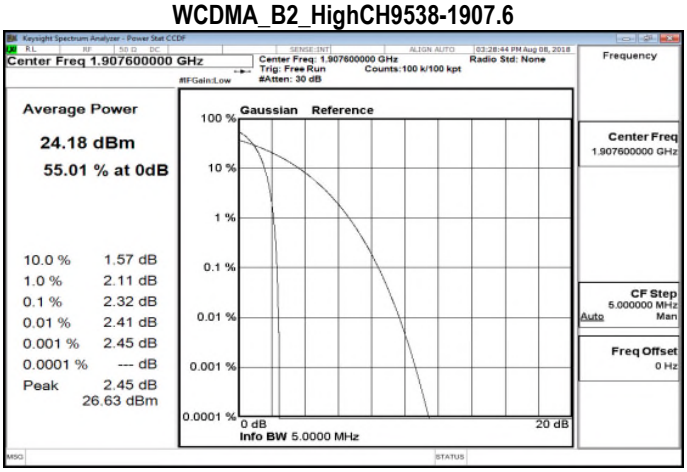
WCDMA_B2_MidCH9400-1880



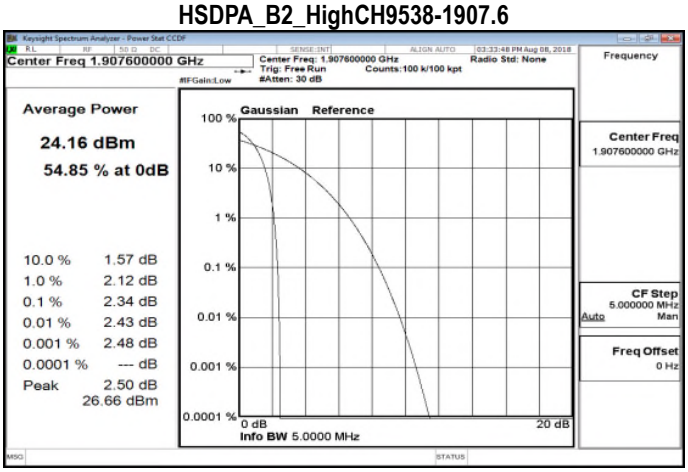
HSDPA_B2_MidCH9400-1880



WCDMA_B2_HighCH9538-1907.6

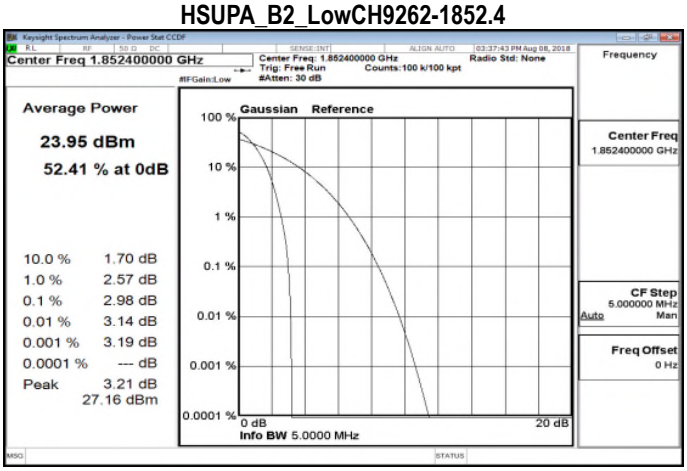


HSDPA_B2_HighCH9538-1907.6

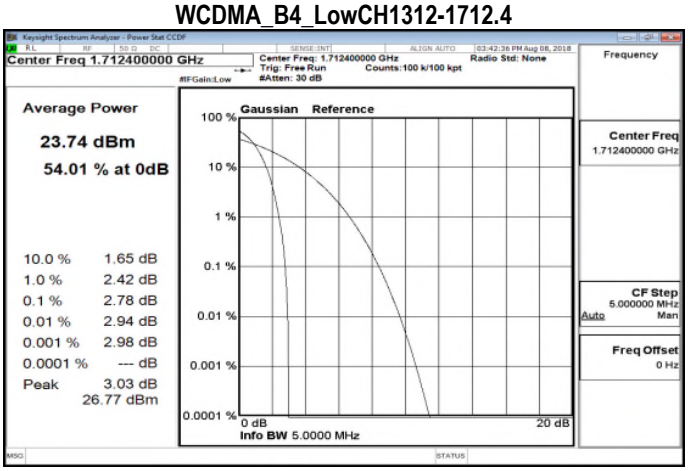


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

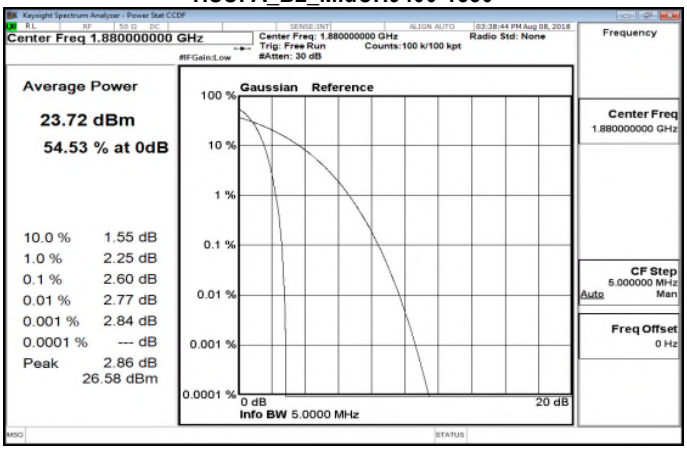
HSUPA_B2_LowCH9262-1852.4



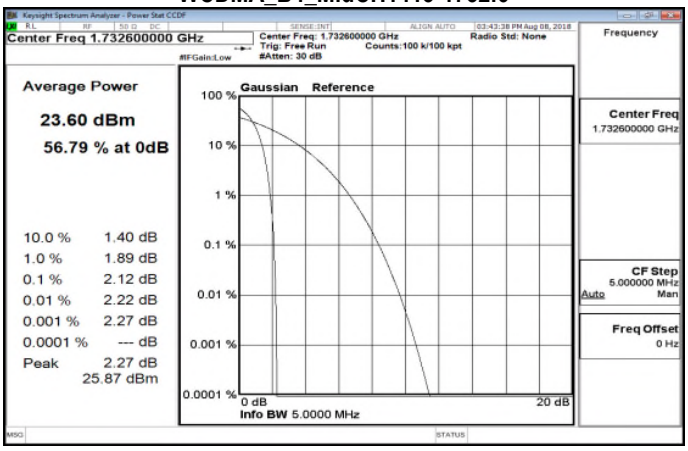
WCDMA_B4_LowCH1312-1712.4



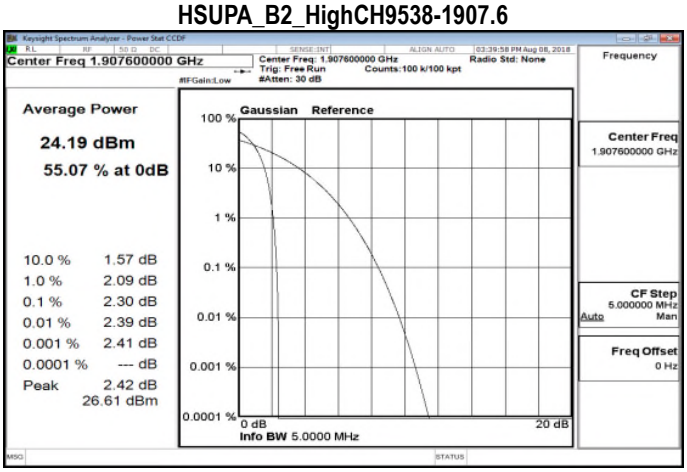
HSUPA_B2_MidCH9400-1880



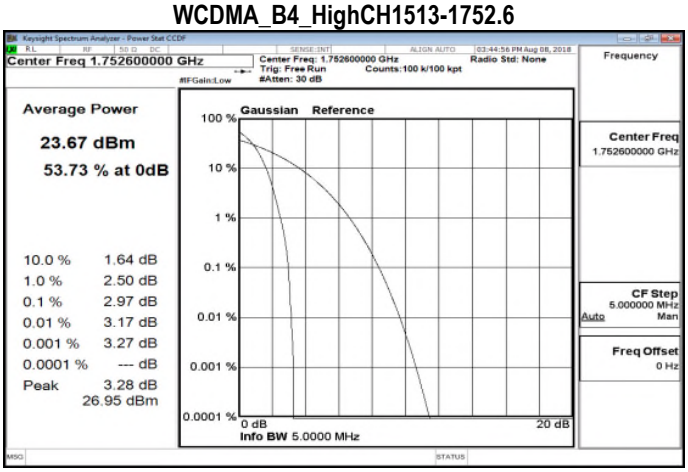
WCDMA_B4_MidCH1413-1732.6



HSUPA_B2_HighCH9538-1907.6

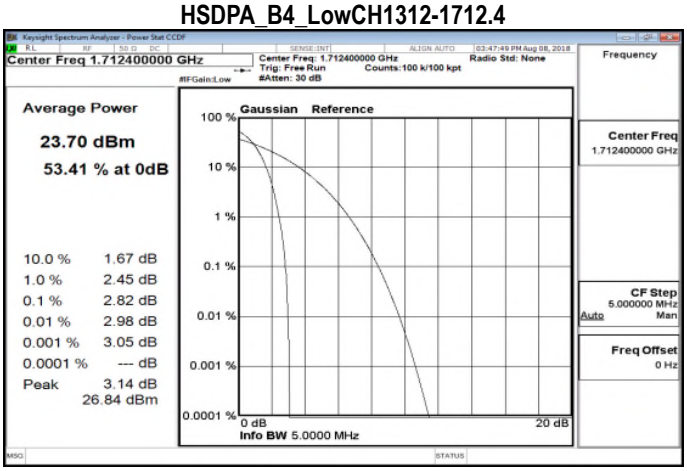


WCDMA_B4_HighCH1513-1752.6

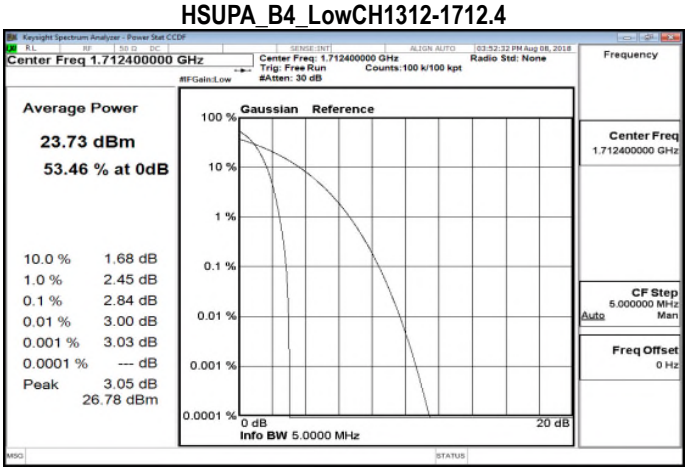


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

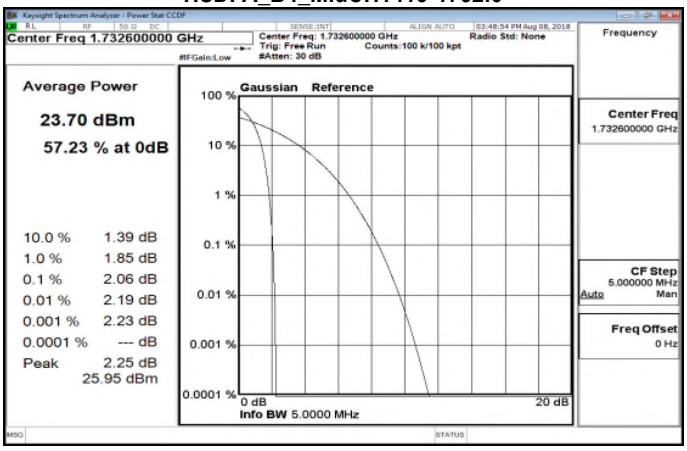
HSDPA_B4_LowCH1312-1712.4



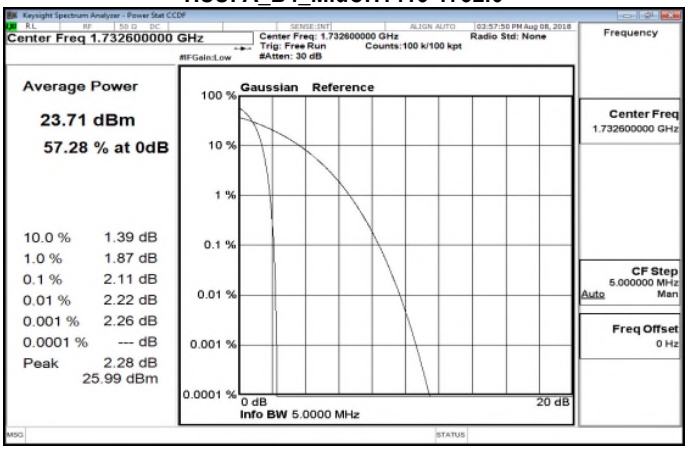
HSUPA_B4_LowCH1312-1712.4



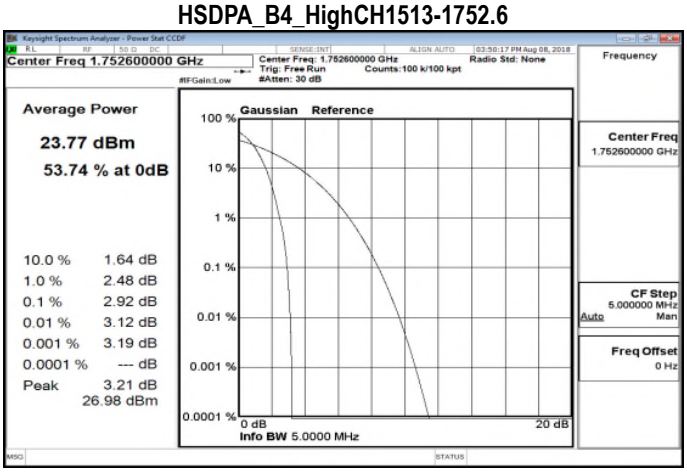
HSDPA_B4_MidCH1413-1732.6



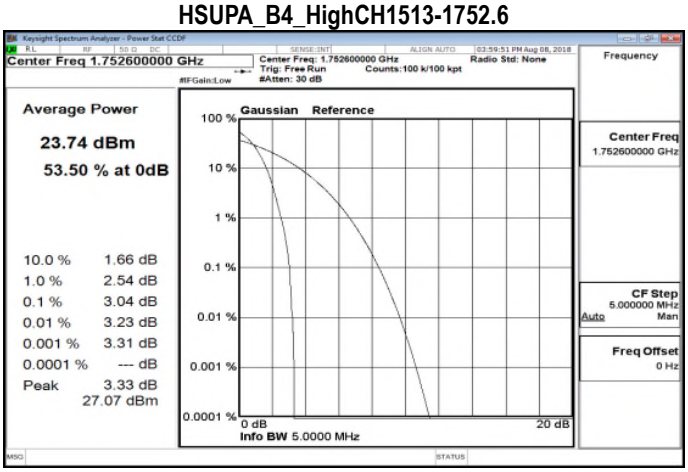
HSUPA_B4_MidCH1413-1732.6



HSDPA_B4_HighCH1513-1752.6

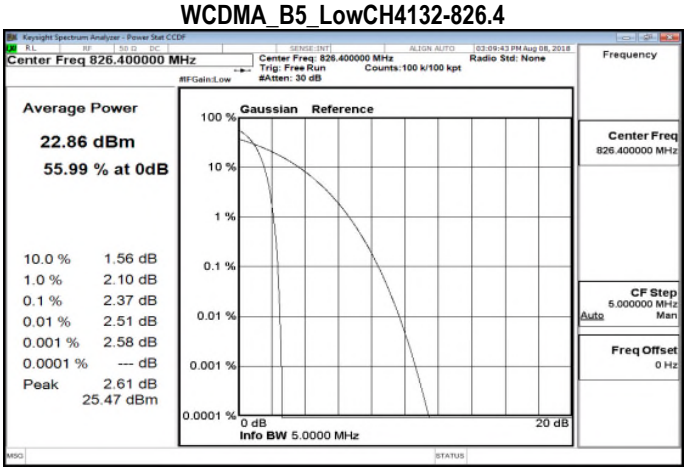


HSUPA_B4_HighCH1513-1752.6

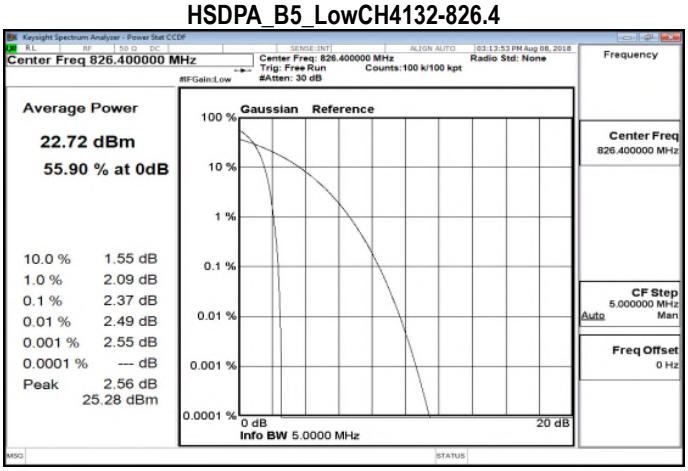


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

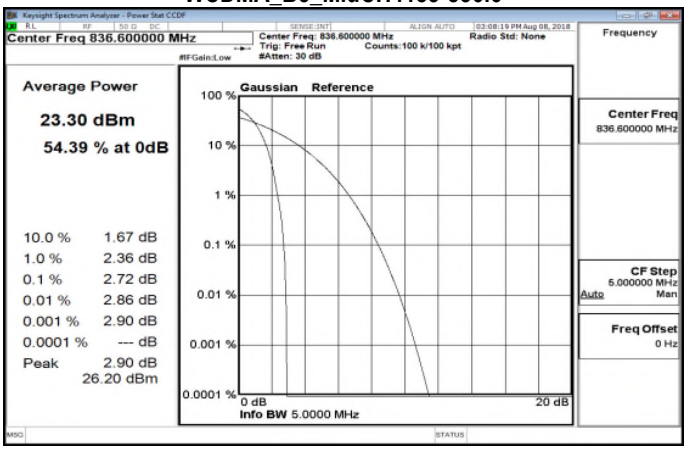
WCDMA_B5_LowCH4132-826.4



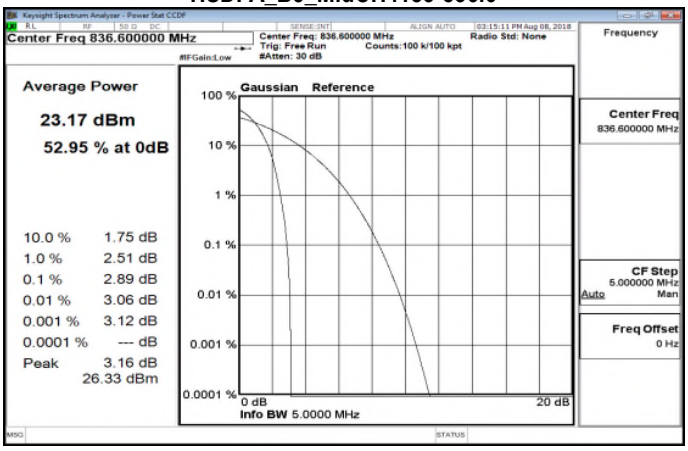
HSDPA_B5_LowCH4132-826.4



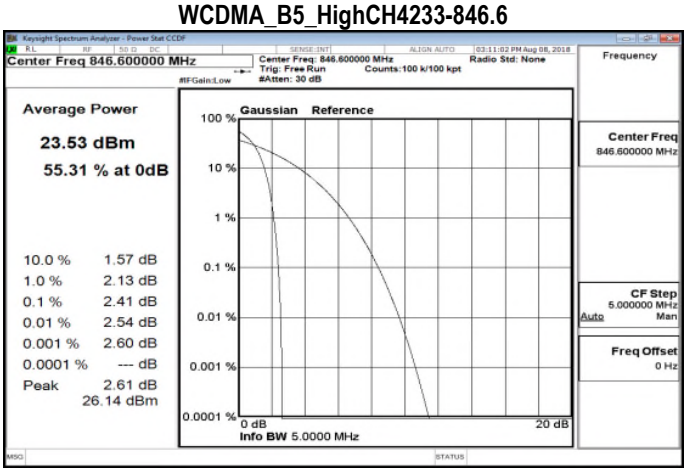
WCDMA_B5_MidCH4183-836.6



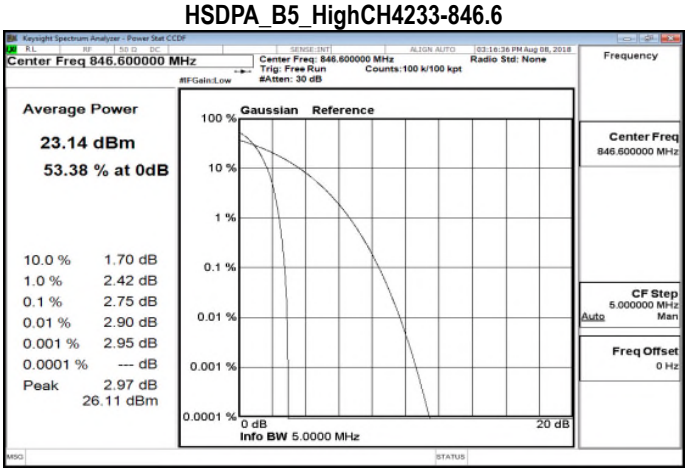
HSDPA_B5_MidCH4183-836.6



WCDMA_B5_HighCH4233-846.6

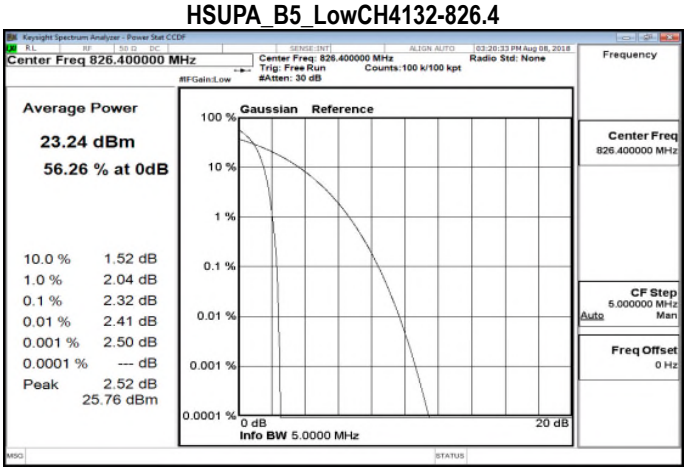


HSDPA_B5_HighCH4233-846.6

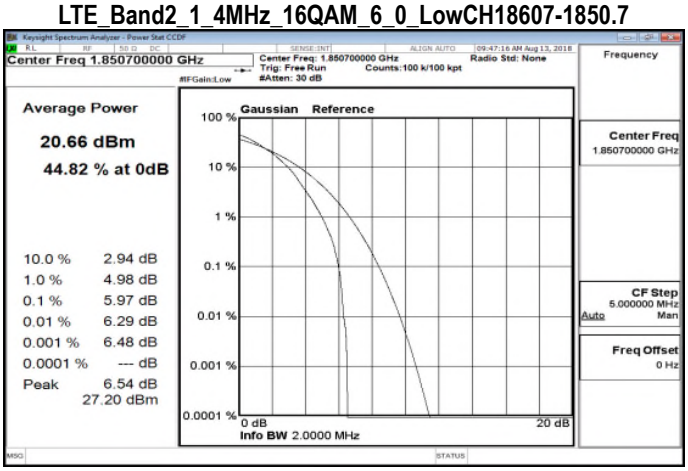


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

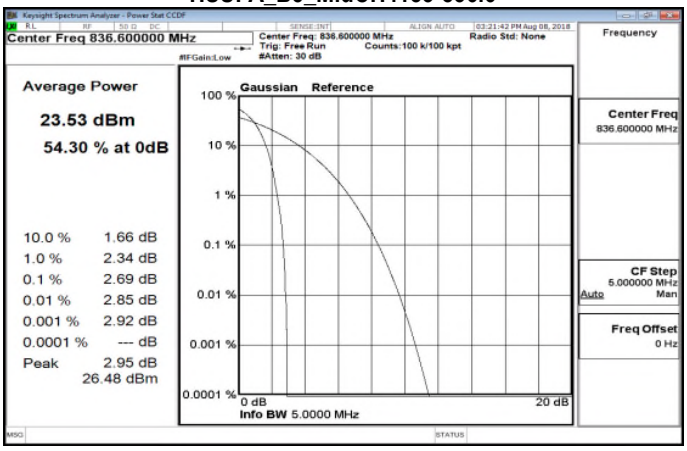
HSUPA_B5_LowCH4132-826.4



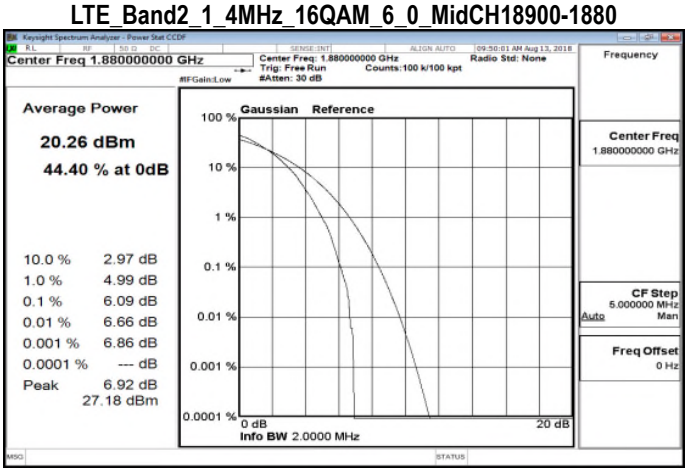
LTE_Band2_1_4MHz_16QAM_6_0_LowCH18607-1850.7



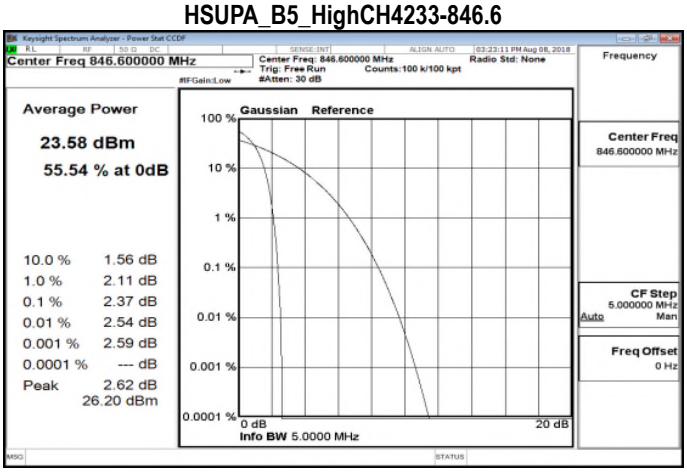
HSUPA_B5_MidCH4183-836.6



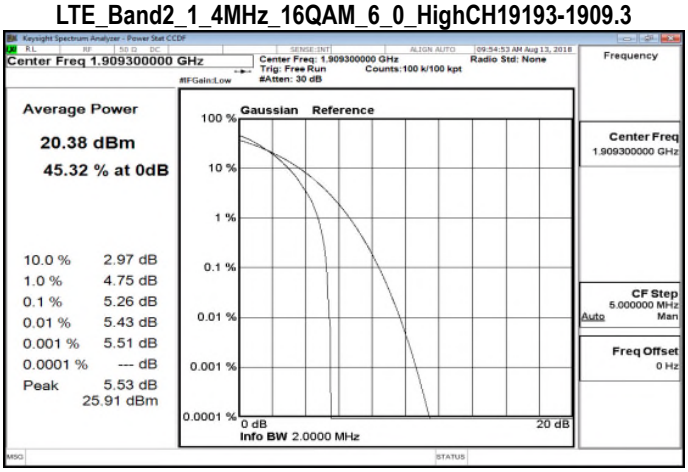
LTE_Band2_1_4MHz_16QAM_6_0_MidCH18900-1880



HSUPA_B5_HighCH4233-846.6

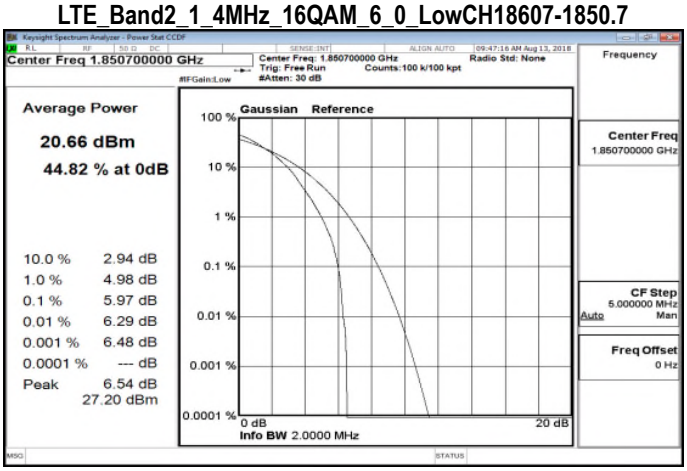


LTE_Band2_1_4MHz_16QAM_6_0_HighCH19193-1909.3

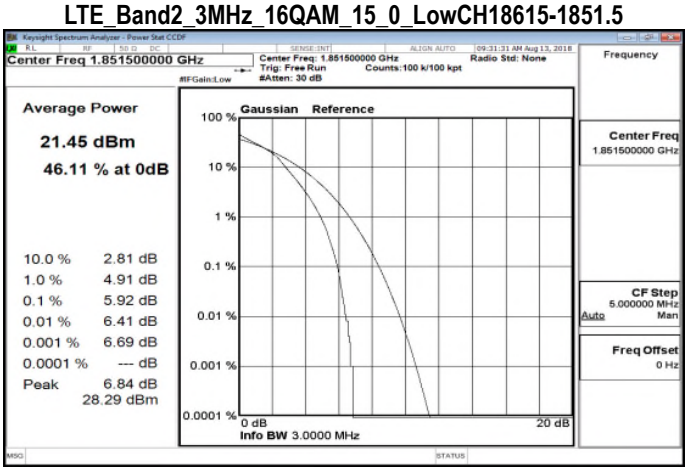


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

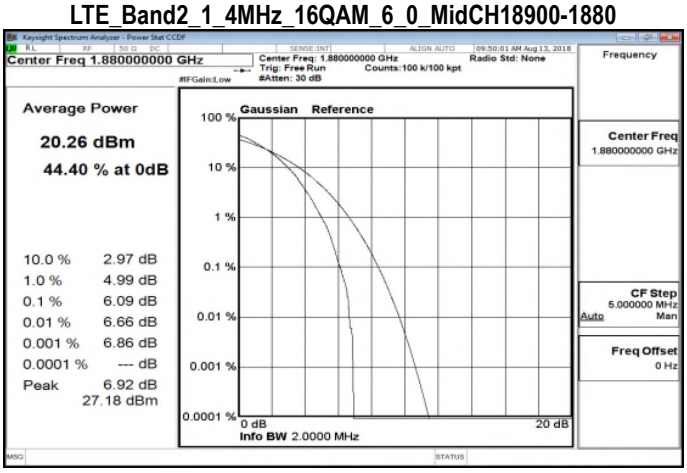
LTE_Band2_1_4MHz_16QAM_6_0_LowCH18607-1850.7



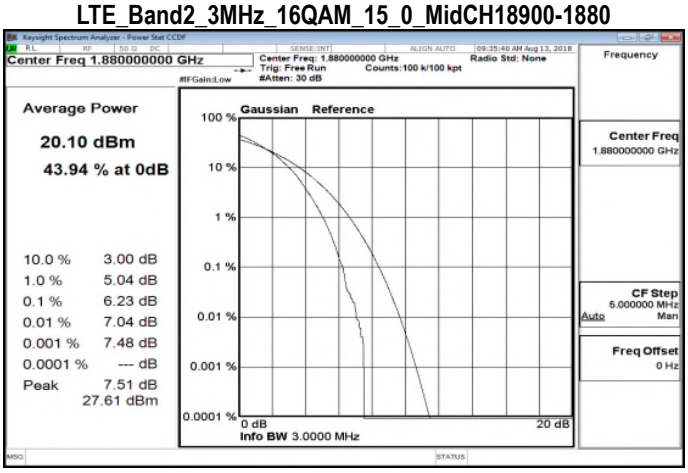
LTE_Band2_3MHz_16QAM_15_0_LowCH18615-1851.5



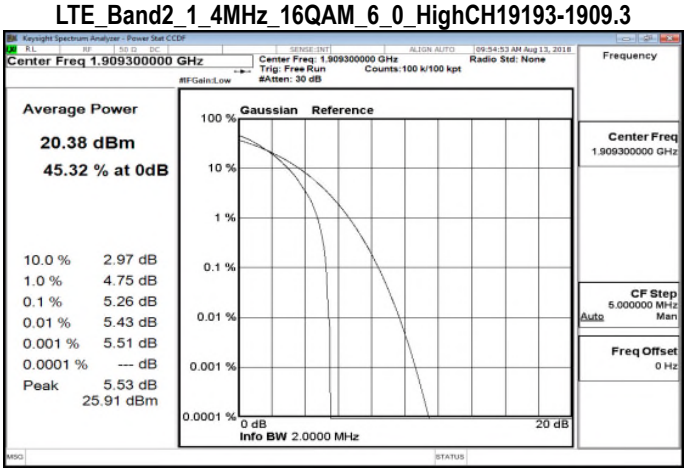
LTE_Band2_1_4MHz_16QAM_6_0_MidCH18900-1880



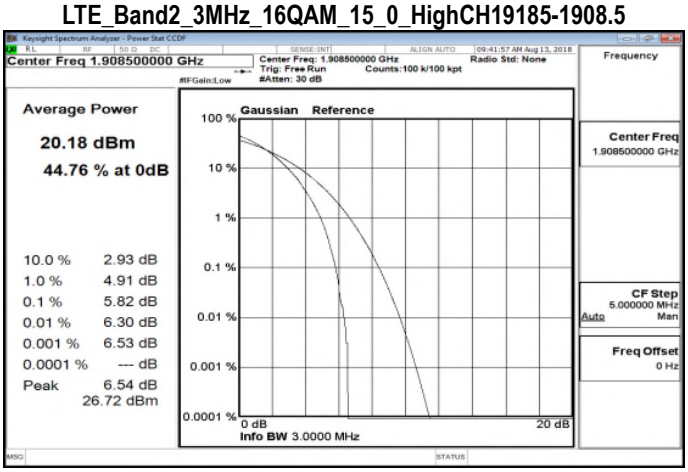
LTE_Band2_3MHz_16QAM_15_0_MidCH18900-1880



LTE_Band2_1_4MHz_16QAM_6_0_HighCH19193-1909.3

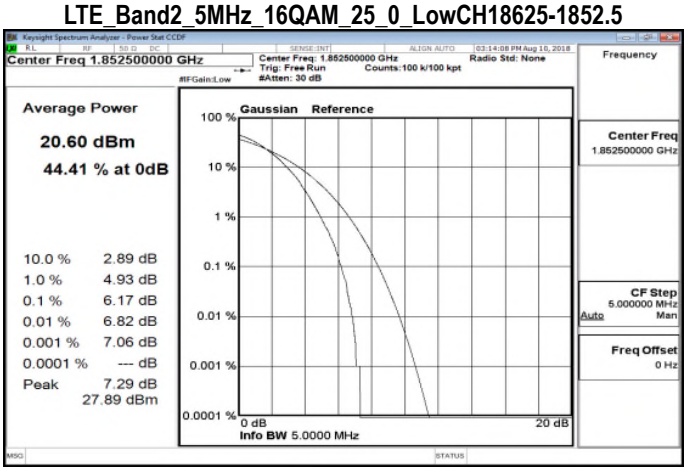


LTE_Band2_3MHz_16QAM_15_0_HighCH19185-1908.5

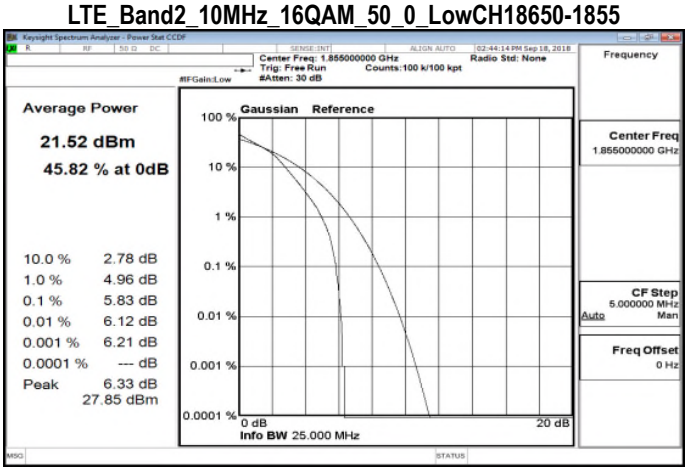


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

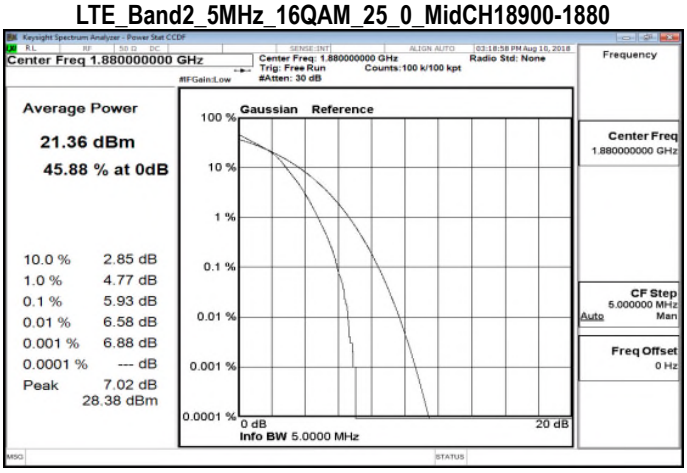
LTE_Band2_5MHz_16QAM_25_0_LowCH18625-1852.5



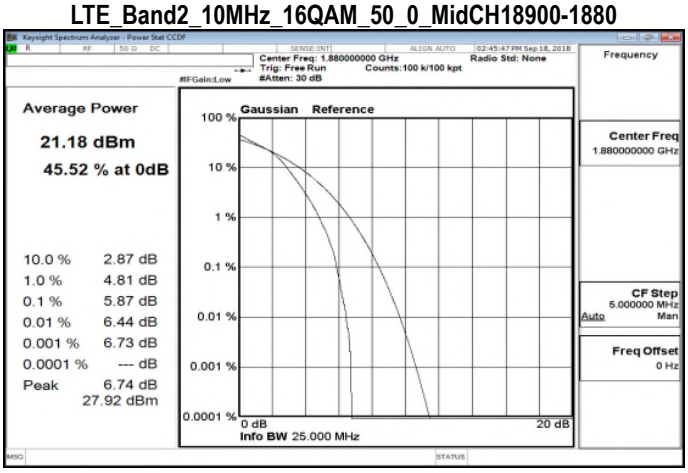
LTE_Band2_10MHz_16QAM_50_0_LowCH18650-1855



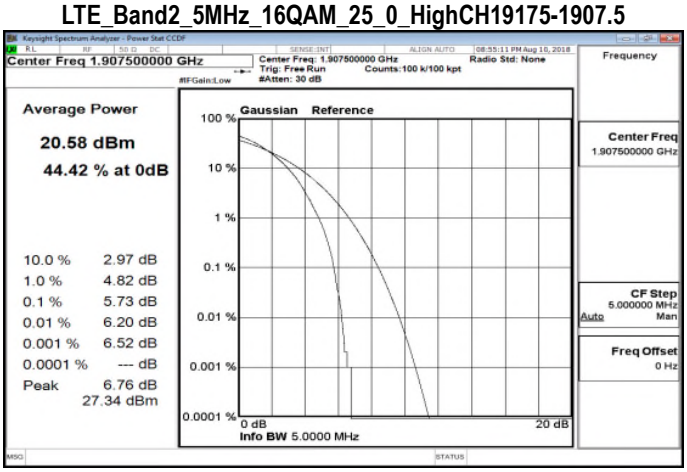
LTE_Band2_5MHz_16QAM_25_0_MidCH18900-1880



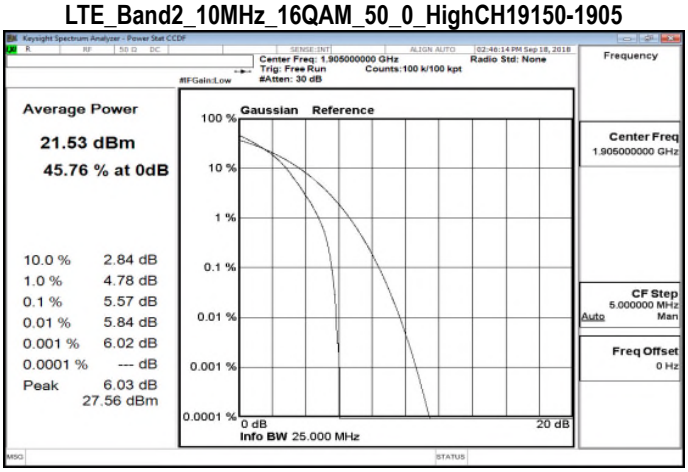
LTE_Band2_10MHz_16QAM_50_0_MidCH18900-1880



LTE_Band2_5MHz_16QAM_25_0_HighCH19175-1907.5

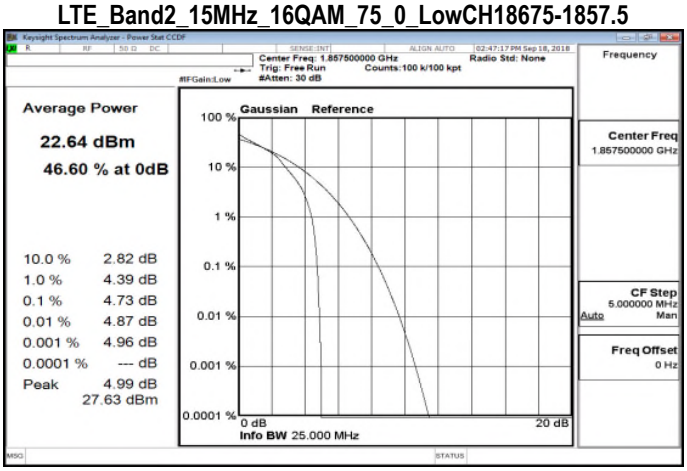


LTE_Band2_10MHz_16QAM_50_0_HighCH19150-1905

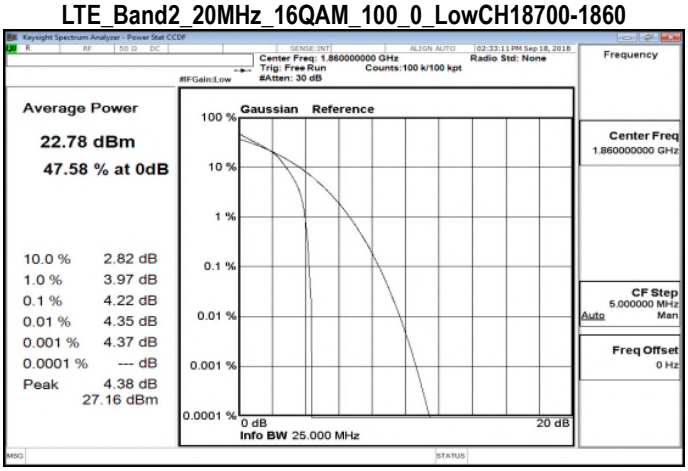


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

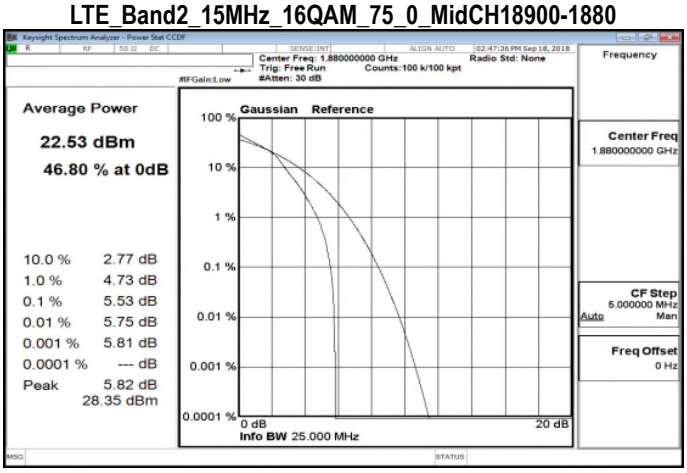
LTE_Band2_15MHz_16QAM_75_0_LowCH18675-1857.5



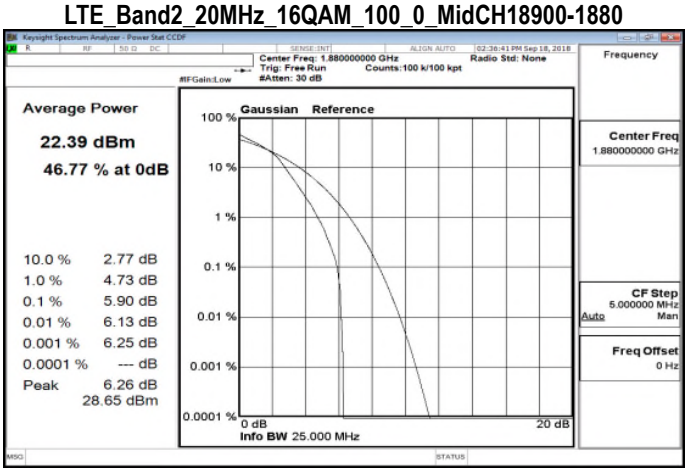
LTE_Band2_20MHz_16QAM_100_0_LowCH18700-1860



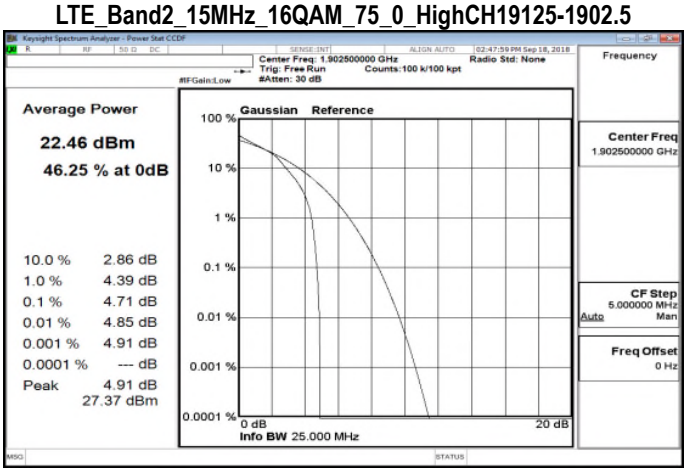
LTE_Band2_15MHz_16QAM_75_0_MidCH18900-1880



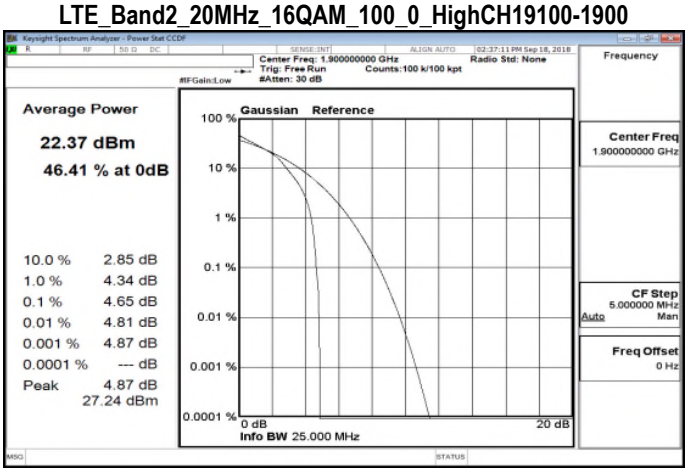
LTE_Band2_20MHz_16QAM_100_0_MidCH18900-1880



LTE_Band2_15MHz_16QAM_75_0_HighCH19125-1902.5

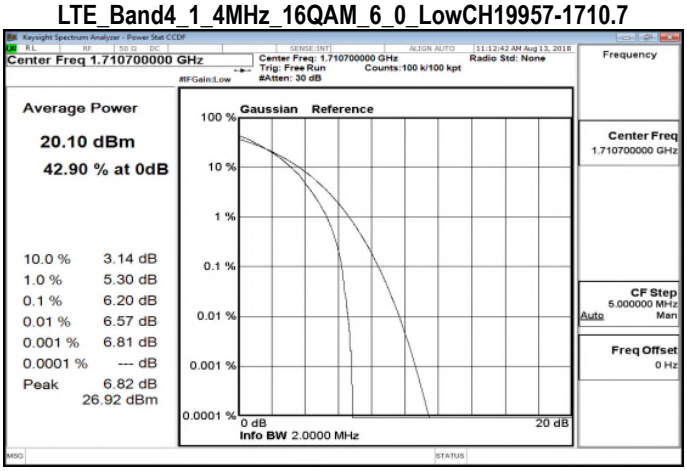


LTE_Band2_20MHz_16QAM_100_0_HighCH19100-1900

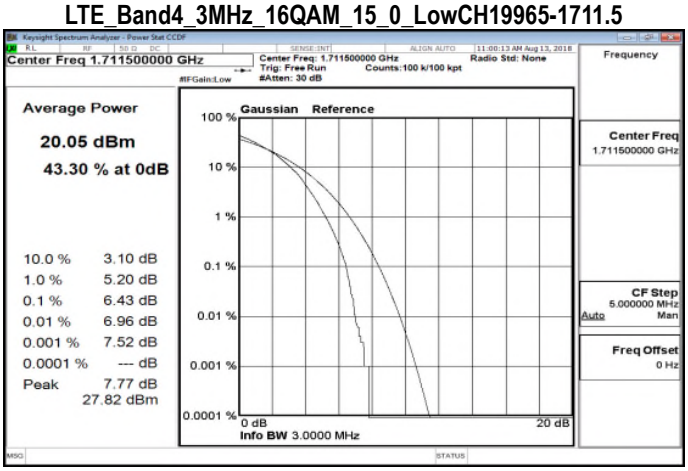


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

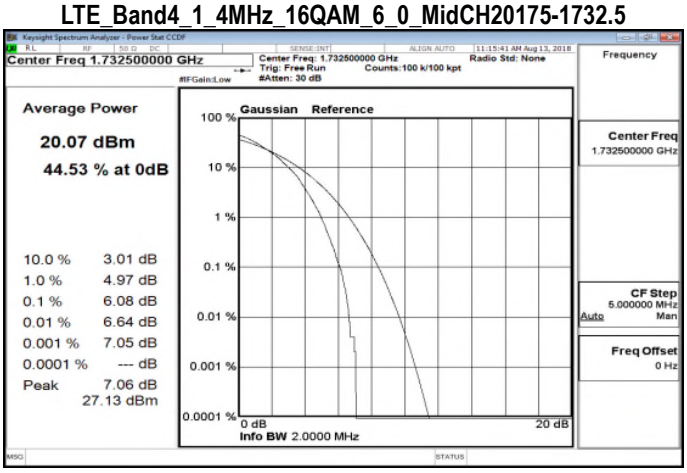
LTE_Band4_1_4MHz_16QAM_6_0_LowCH19957-1710.7



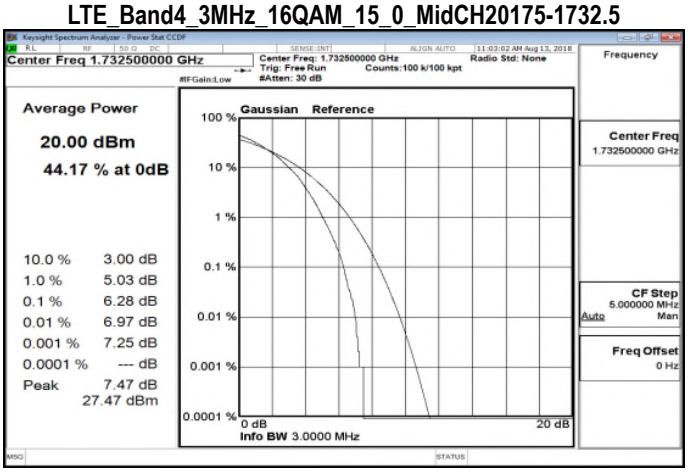
LTE_Band4_3MHz_16QAM_15_0_LowCH19965-1711.5



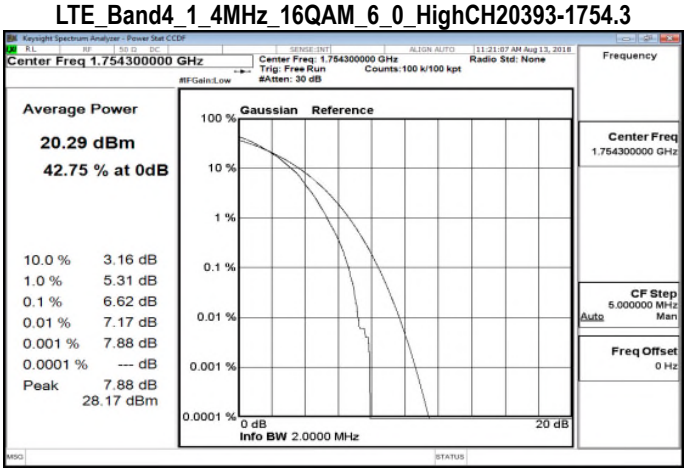
LTE_Band4_1_4MHz_16QAM_6_0_MidCH20175-1732.5



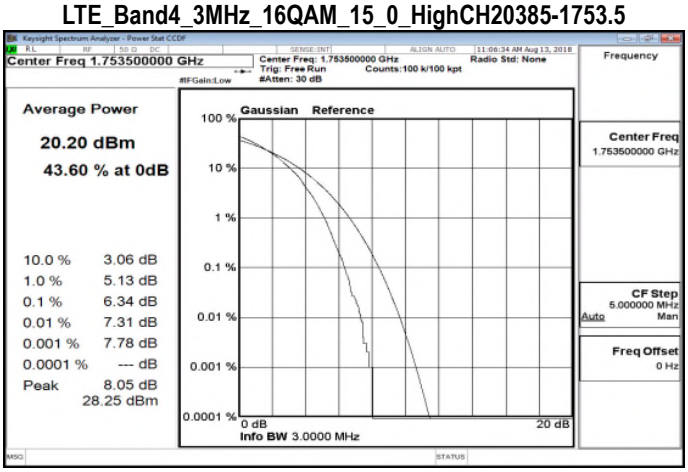
LTE_Band4_3MHz_16QAM_15_0_MidCH20175-1732.5



LTE_Band4_1_4MHz_16QAM_6_0_HighCH20393-1754.3

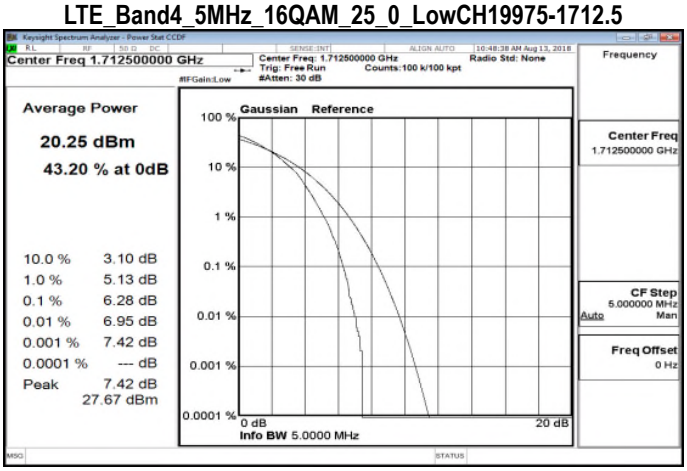


LTE_Band4_3MHz_16QAM_15_0_HighCH20385-1753.5

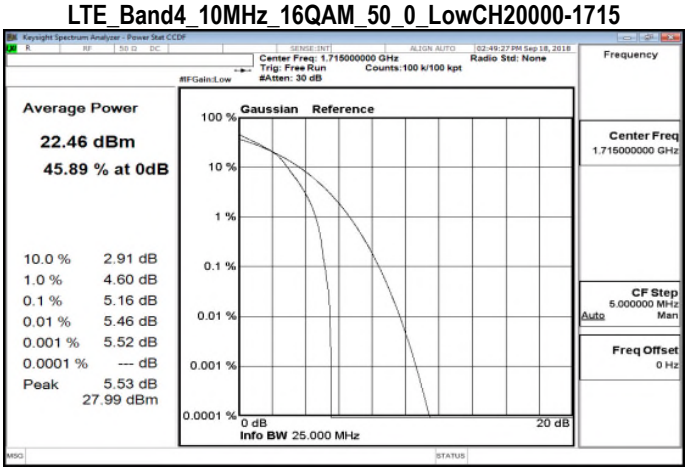


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

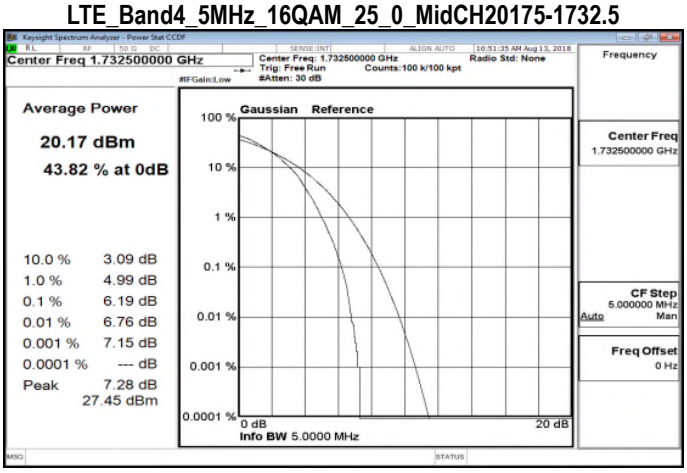
LTE_Band4_5MHz_16QAM_25_0_LowCH19975-1712.5



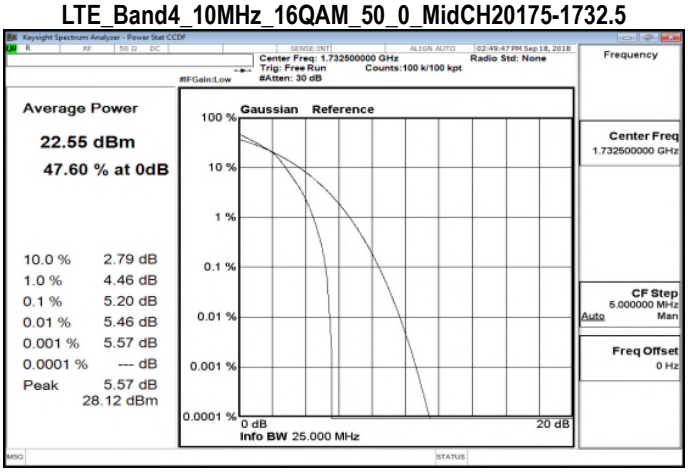
LTE_Band4_10MHz_16QAM_50_0_LowCH20000-1715



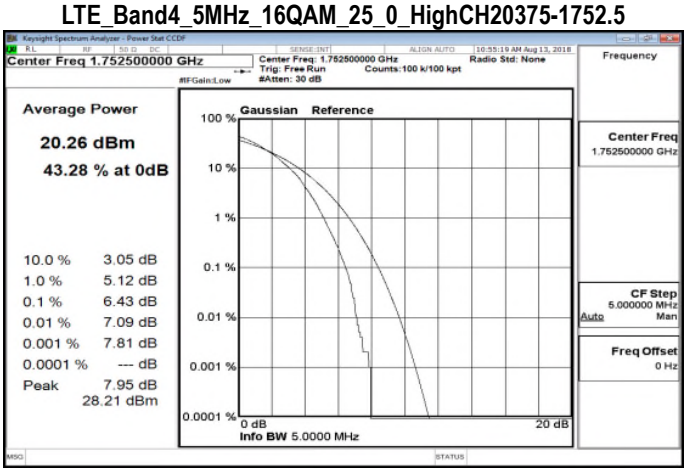
LTE_Band4_5MHz_16QAM_25_0_MidCH20175-1732.5



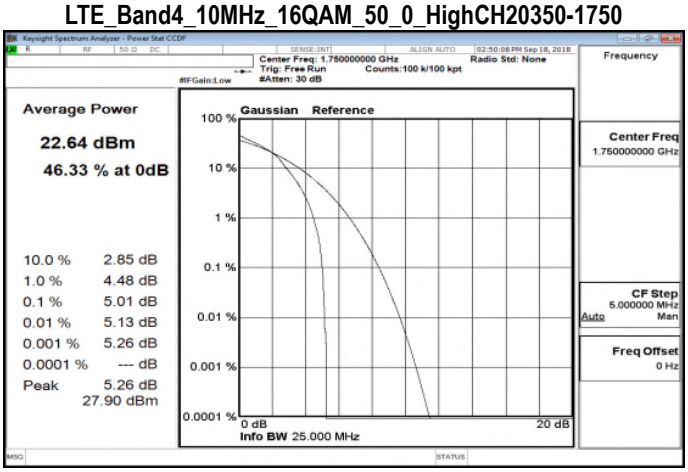
LTE_Band4_10MHz_16QAM_50_0_MidCH20175-1732.5



LTE_Band4_5MHz_16QAM_25_0_HighCH20375-1752.5

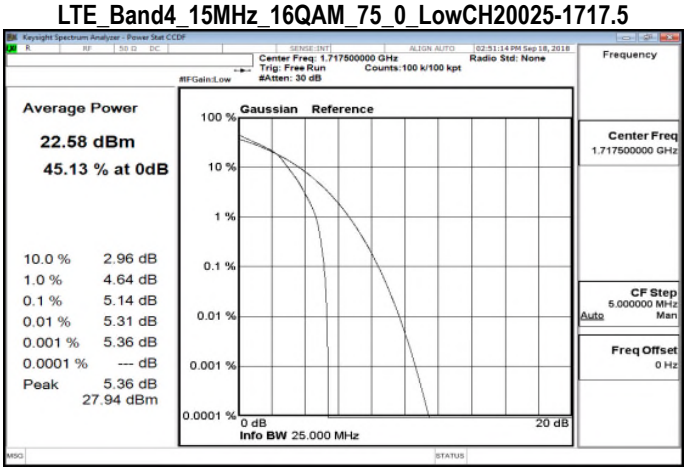


LTE_Band4_10MHz_16QAM_50_0_HighCH20350-1750

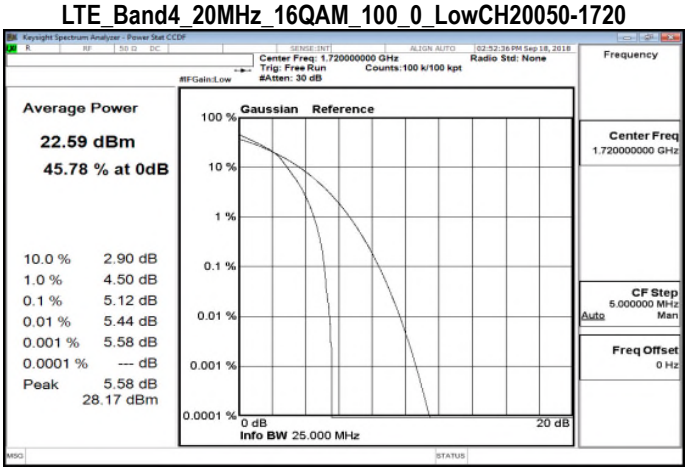


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

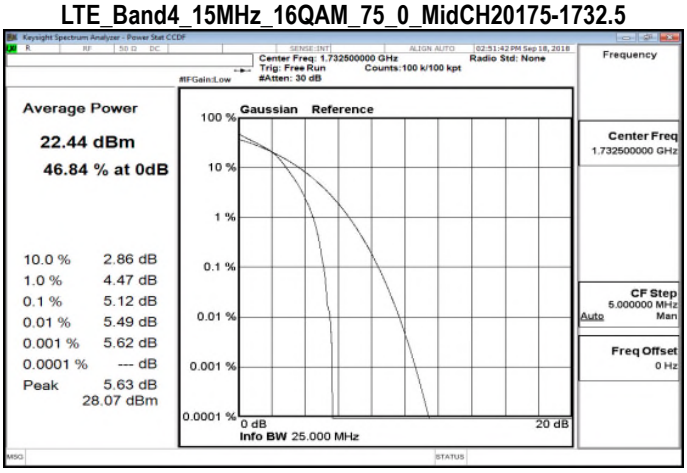
LTE_Band4_15MHz_16QAM_75_0_LowCH20025-1717.5



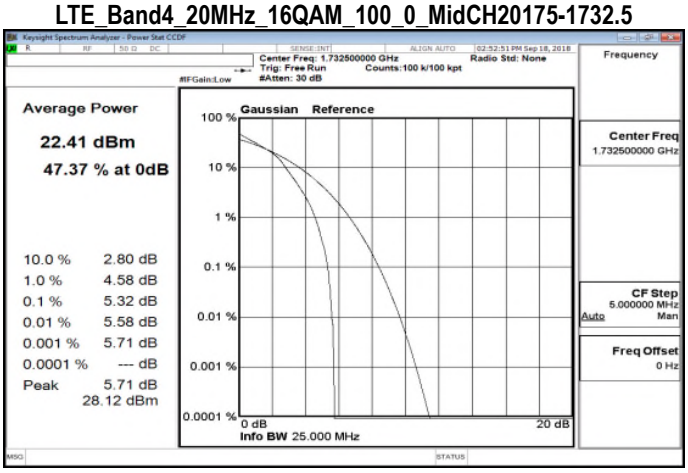
LTE_Band4_20MHz_16QAM_100_0_LowCH20050-1720



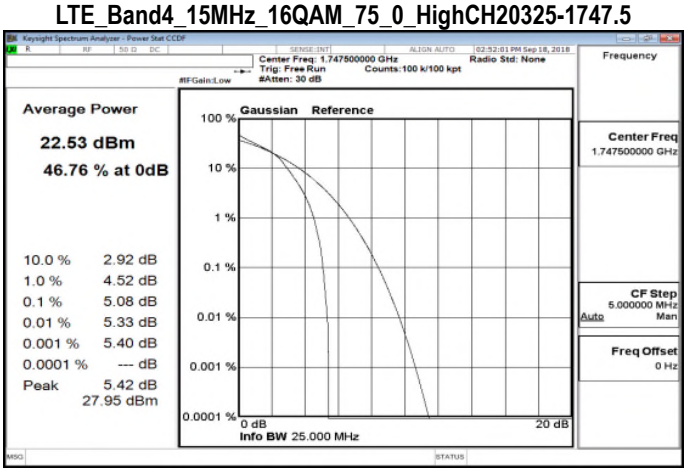
LTE_Band4_15MHz_16QAM_75_0_MidCH20175-1732.5



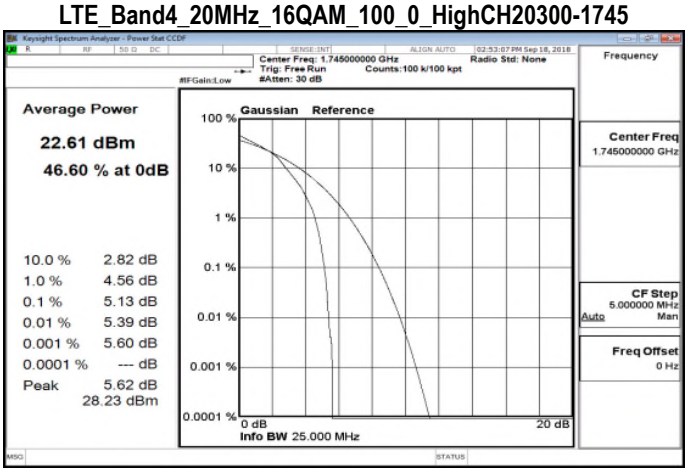
LTE_Band4_20MHz_16QAM_100_0_MidCH20175-1732.5



LTE_Band4_15MHz_16QAM_75_0_HighCH20325-1747.5

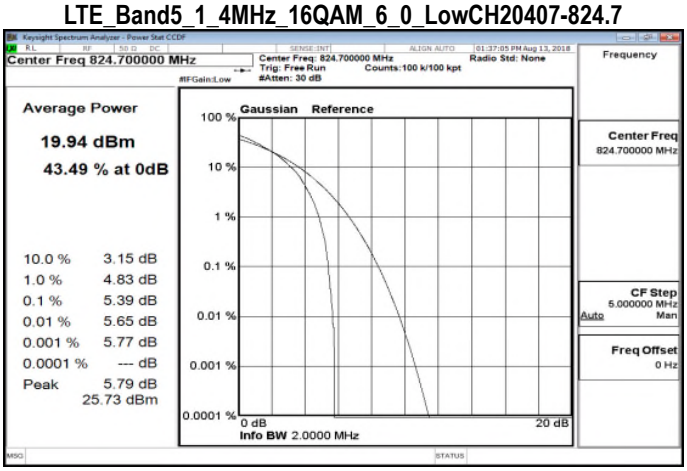


LTE_Band4_20MHz_16QAM_100_0_HighCH20300-1745

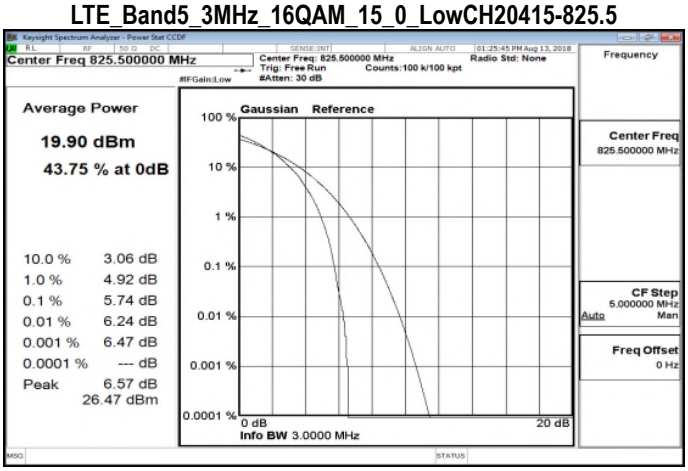


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

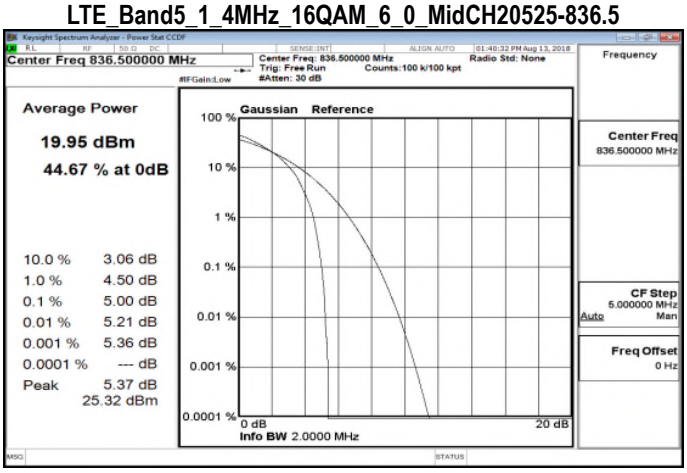
LTE_Band5_1_4MHz_16QAM_6_0_LowCH20407-824.7



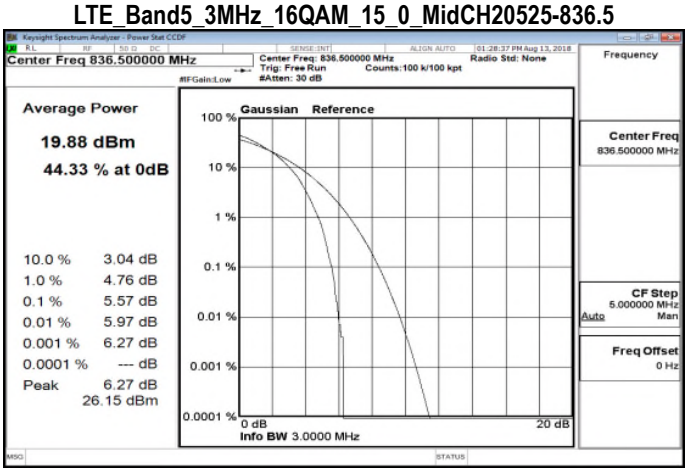
LTE_Band5_3MHz_16QAM_15_0_LowCH20415-825.5



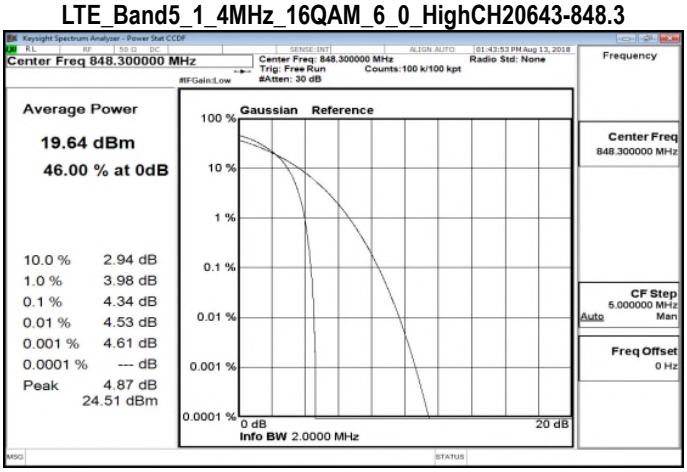
LTE_Band5_1_4MHz_16QAM_6_0_MidCH20525-836.5



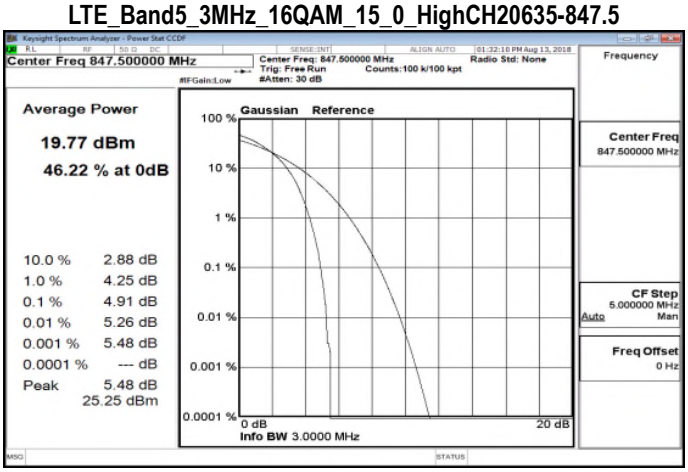
LTE_Band5_3MHz_16QAM_15_0_MidCH20525-836.5



LTE_Band5_1_4MHz_16QAM_6_0_HighCH20643-848.3

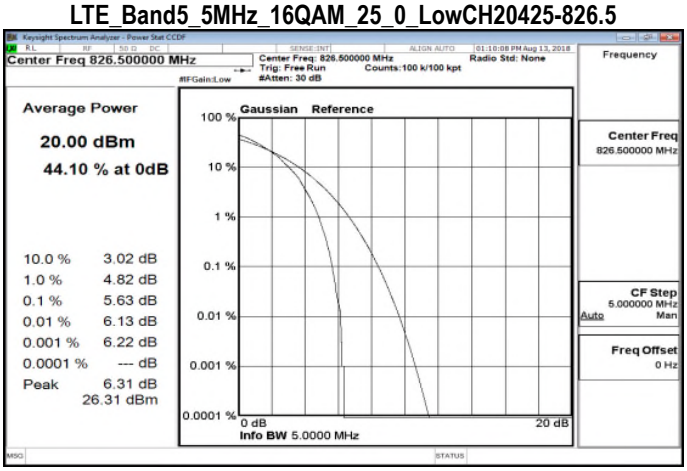


LTE_Band5_3MHz_16QAM_15_0_HighCH20635-847.5

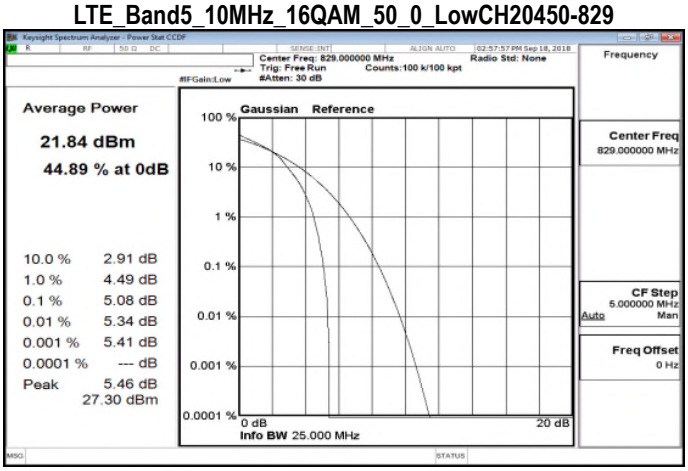


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

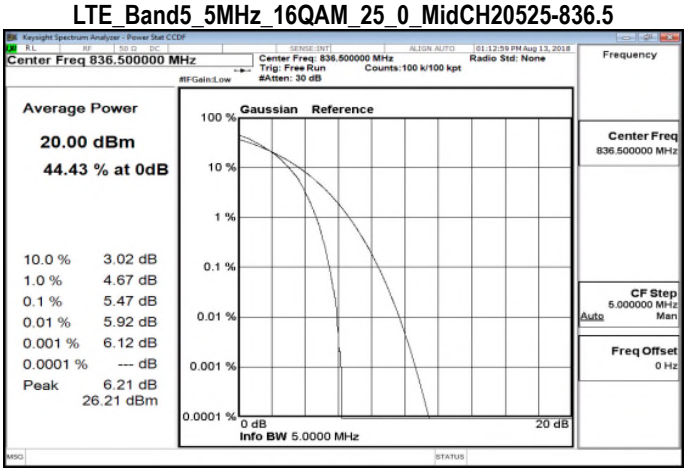
LTE_Band5_5MHz_16QAM_25_0_LowCH20425-826.5



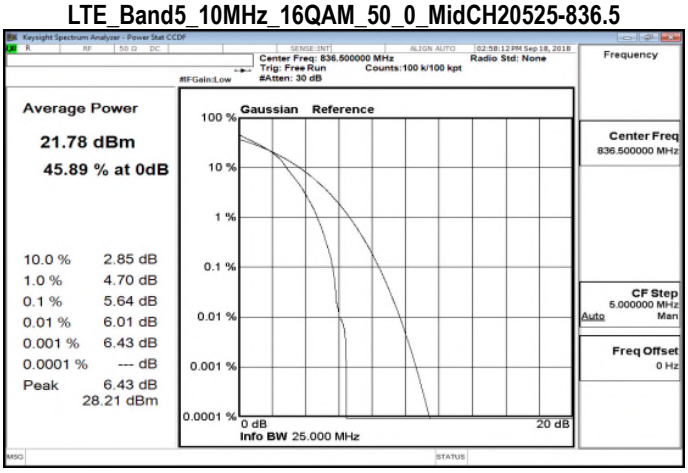
LTE_Band5_10MHz_16QAM_50_0_LowCH20450-829



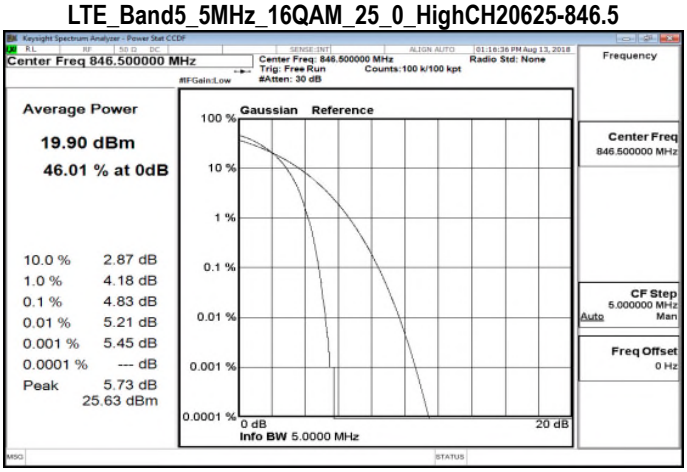
LTE_Band5_5MHz_16QAM_25_0_MidCH20525-836.5



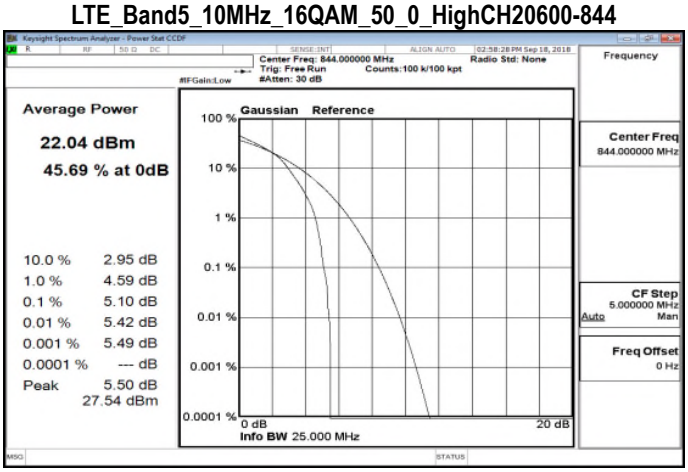
LTE_Band5_10MHz_16QAM_50_0_MidCH20525-836.5



LTE_Band5_5MHz_16QAM_25_0_HighCH20625-846.5

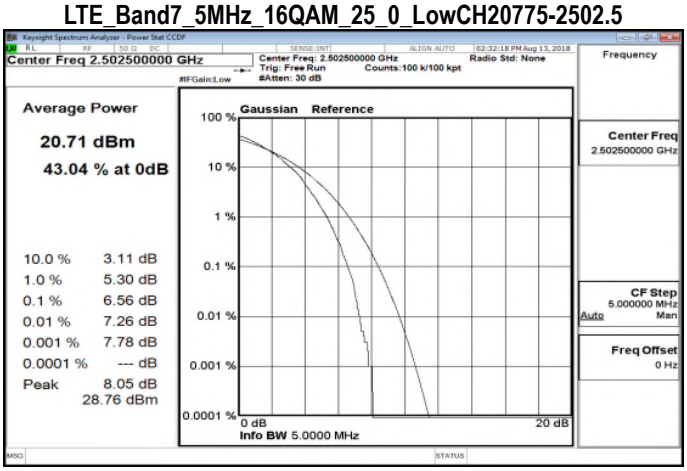


LTE_Band5_10MHz_16QAM_50_0_HighCH20600-844

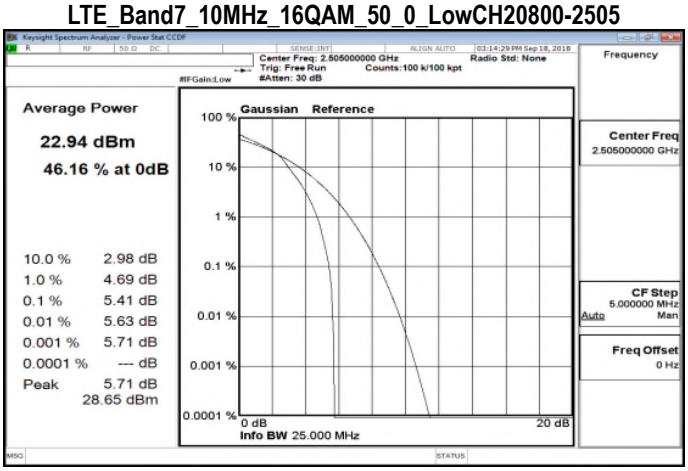


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

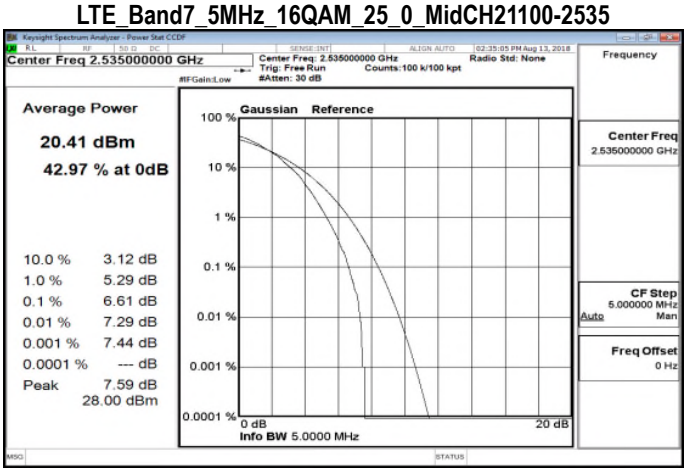
LTE_Band7_5MHz_16QAM_25_0_LowCH20775-2502.5



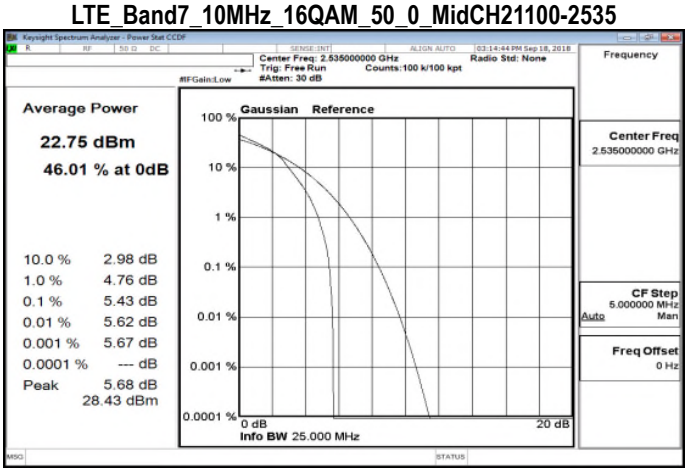
LTE_Band7_10MHz_16QAM_50_0_LowCH20800-2505



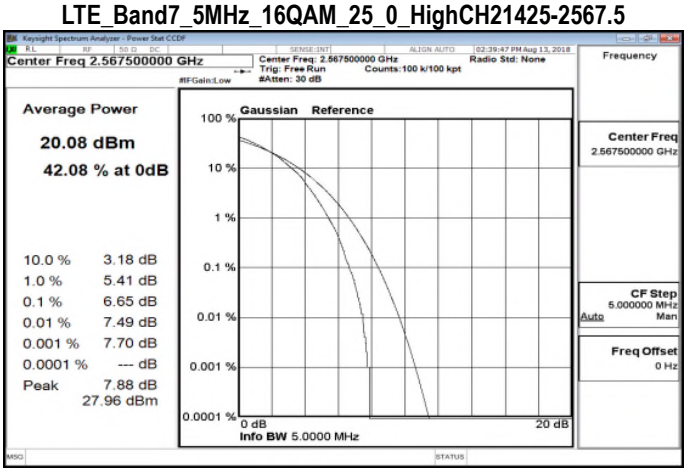
LTE_Band7_5MHz_16QAM_25_0_MidCH21100-2535



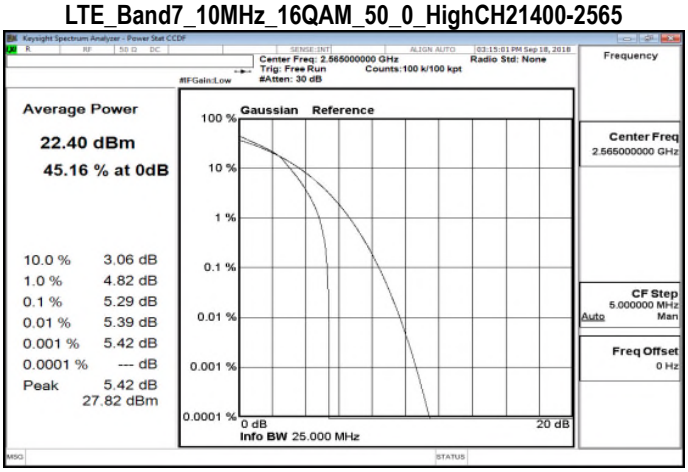
LTE_Band7_10MHz_16QAM_50_0_MidCH21100-2535



LTE_Band7_5MHz_16QAM_25_0_HighCH21425-2567.5

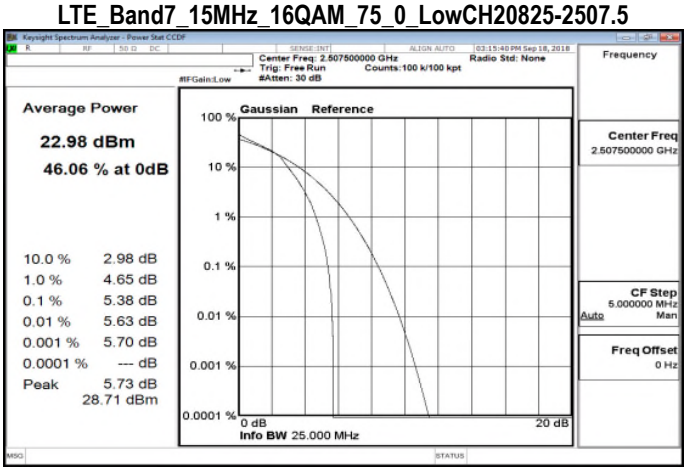


LTE_Band7_10MHz_16QAM_50_0_HighCH21400-2565

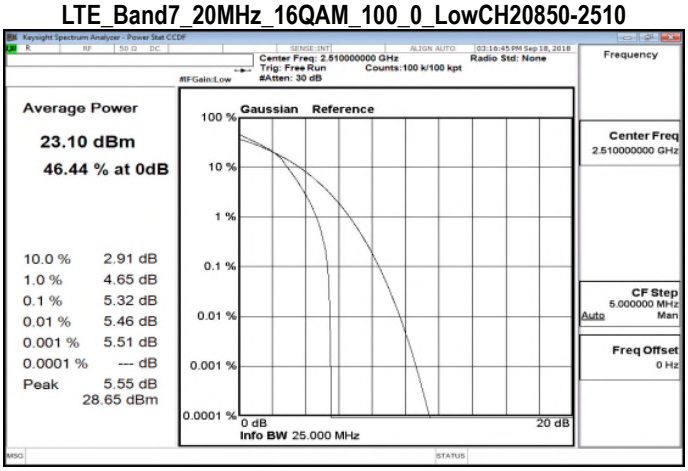


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

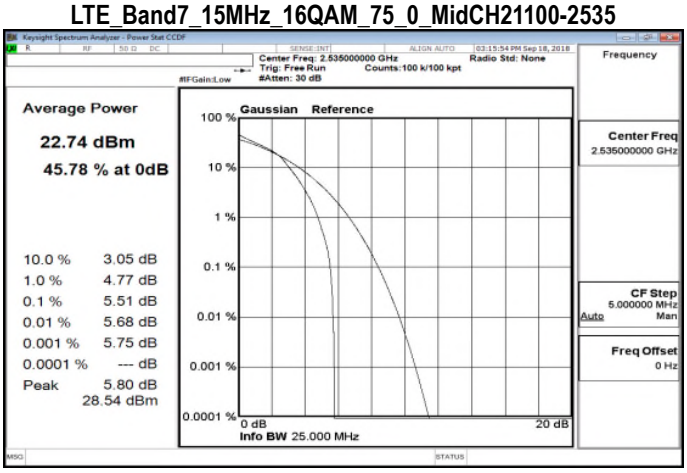
LTE_Band7_15MHz_16QAM_75_0_LowCH20825-2507.5



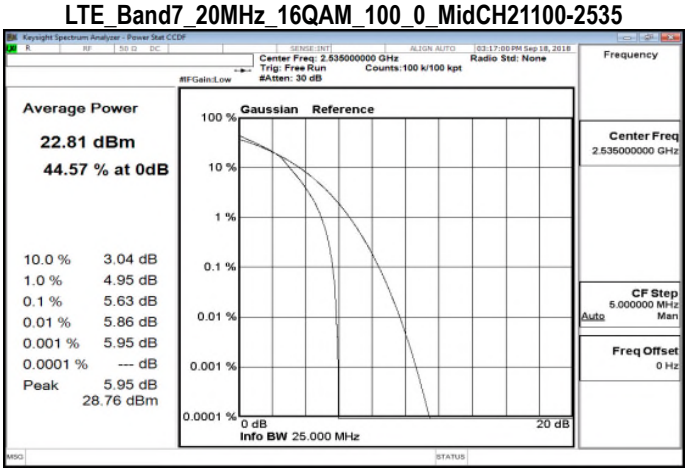
LTE_Band7_20MHz_16QAM_100_0_LowCH20850-2510



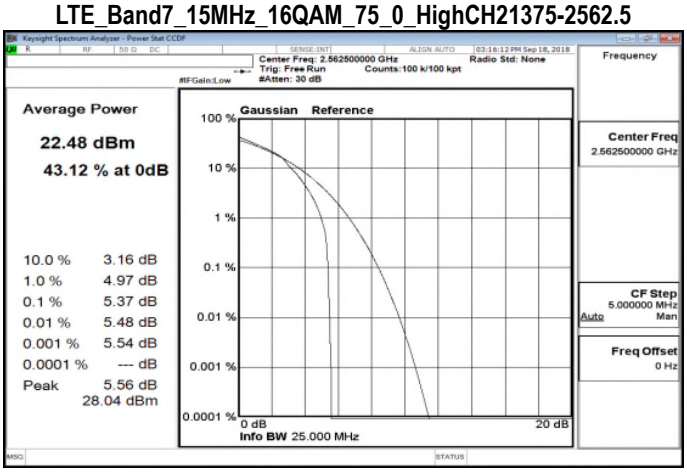
LTE_Band7_15MHz_16QAM_75_0_MidCH21100-2535



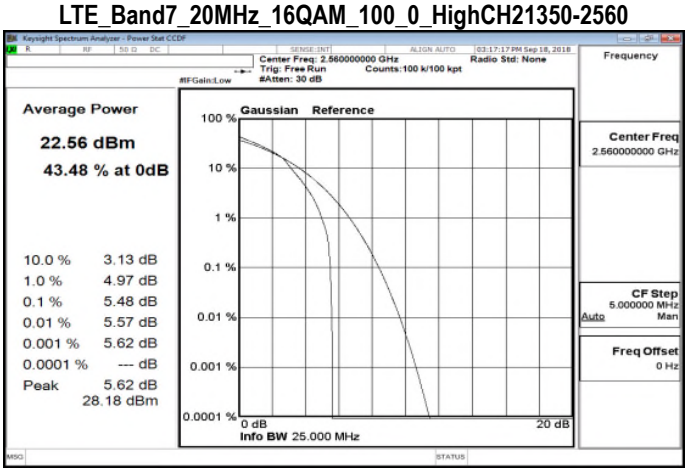
LTE_Band7_20MHz_16QAM_100_0_MidCH21100-2535



LTE_Band7_15MHz_16QAM_75_0_HighCH21375-2562.5

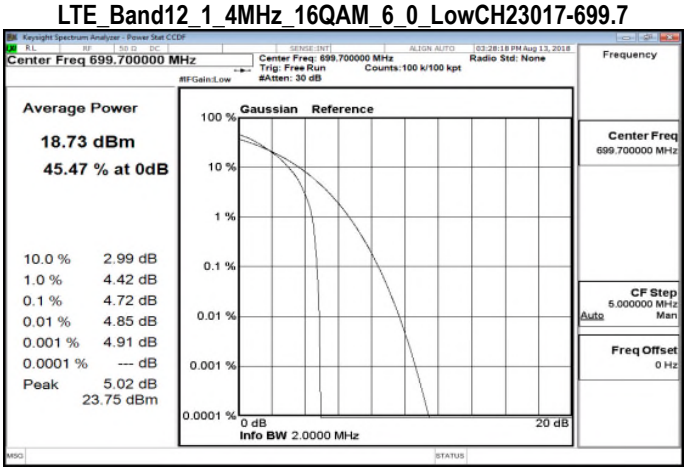


LTE_Band7_20MHz_16QAM_100_0_HighCH21350-2560

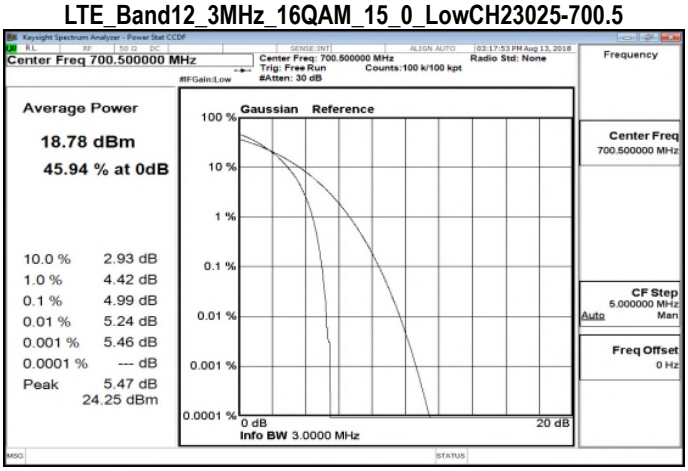


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

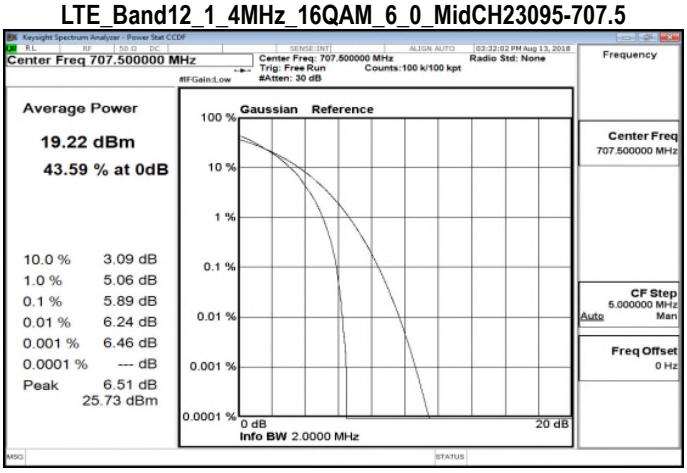
LTE_Band12_1_4MHz_16QAM_6_0_LowCH23017-699.7



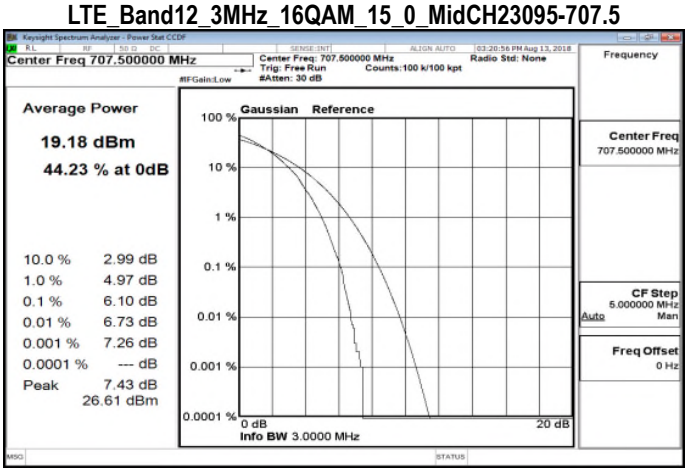
LTE_Band12_3MHz_16QAM_15_0_LowCH23025-700.5



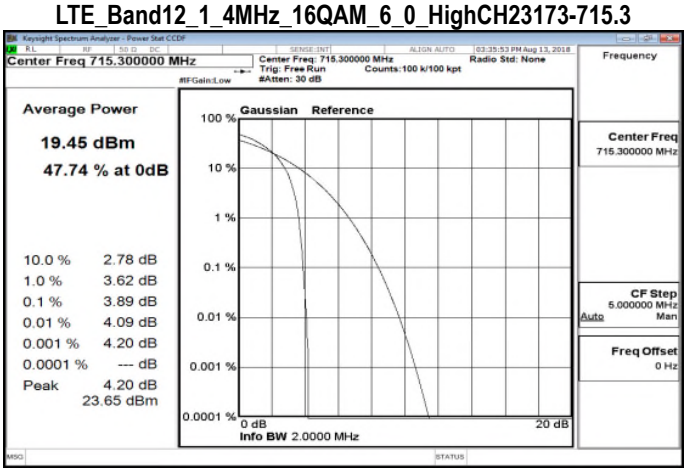
LTE_Band12_1_4MHz_16QAM_6_0_MidCH23095-707.5



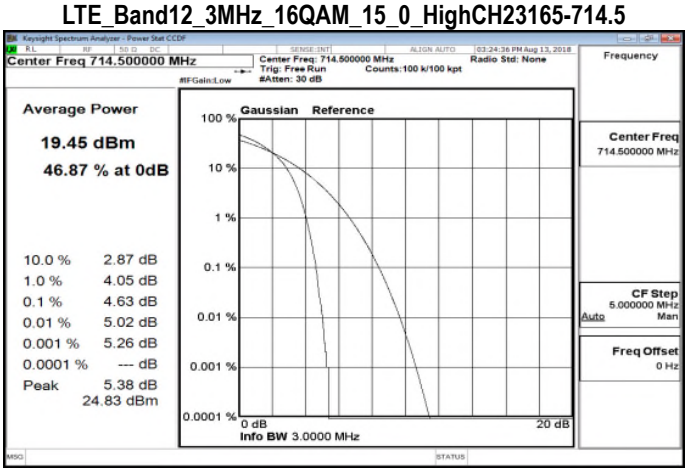
LTE_Band12_3MHz_16QAM_15_0_MidCH23095-707.5



LTE_Band12_1_4MHz_16QAM_6_0_HighCH23173-715.3



LTE_Band12_3MHz_16QAM_15_0_HighCH23165-714.5



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.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.