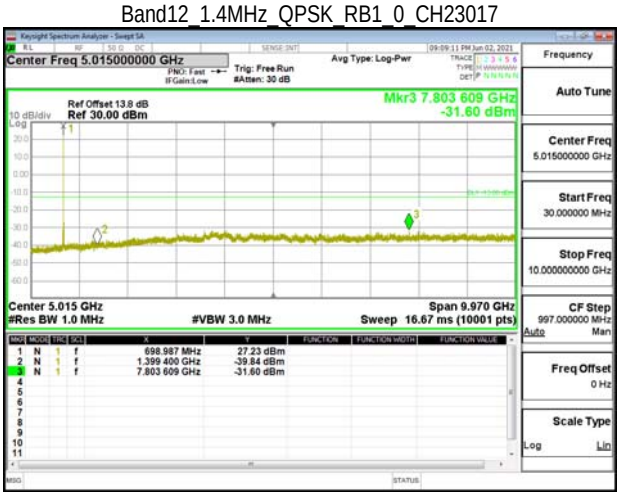
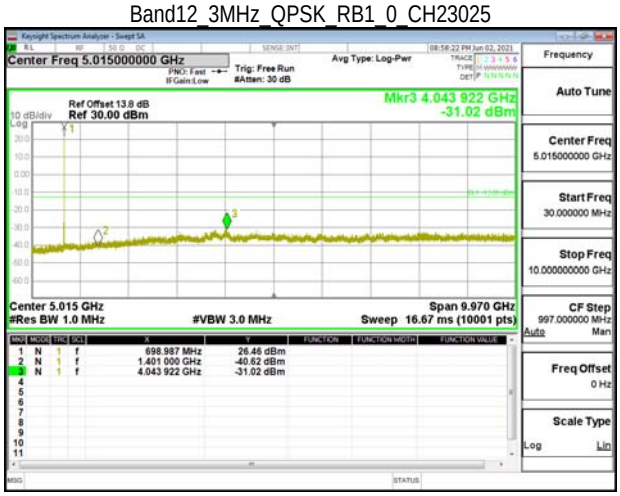
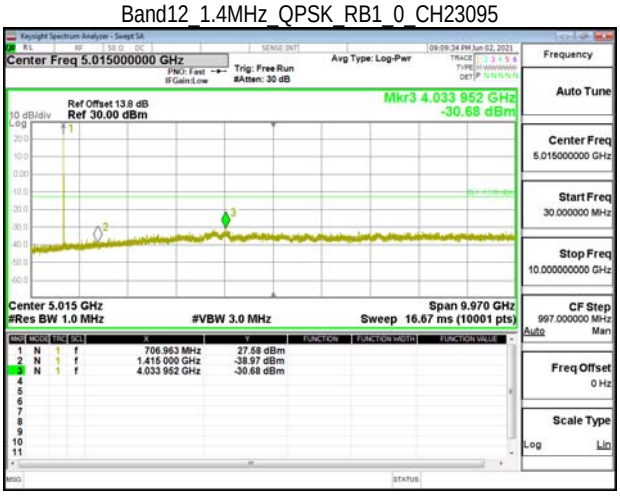
Band12_1.4MHz_QPSK_RB1_0_CH23017



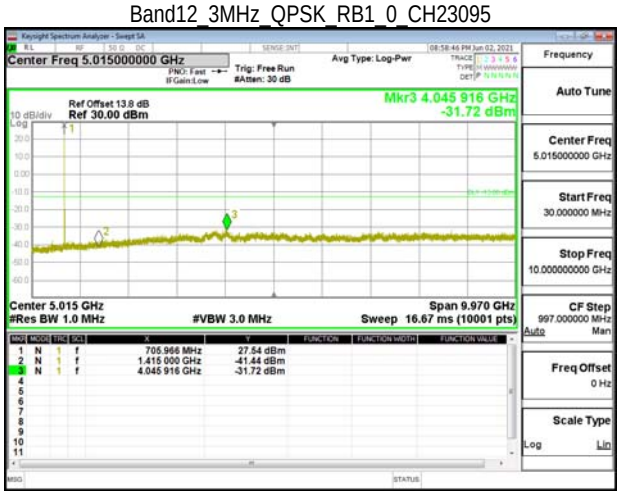
Band12_3MHz_QPSK_RB1_0_CH23025



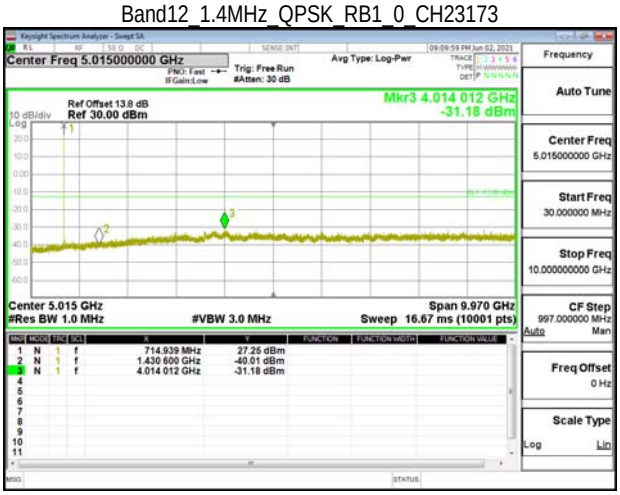
Band12_1.4MHz_QPSK_RB1_0_CH23095



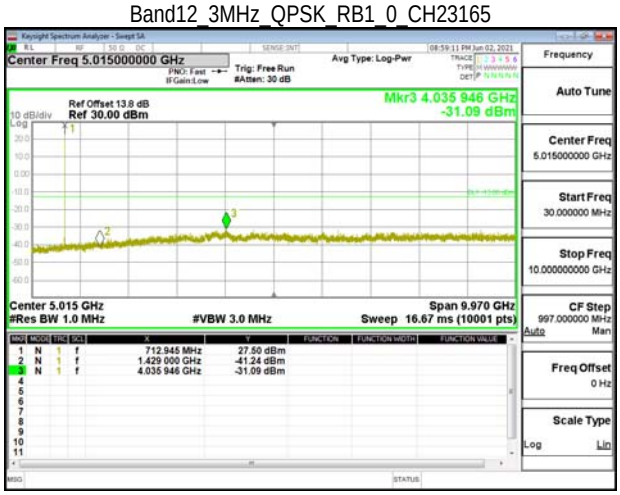
Band12_3MHz_QPSK_RB1_0_CH23095



Band12_1.4MHz_QPSK_RB1_0_CH23173



Band12_3MHz_QPSK_RB1_0_CH23165

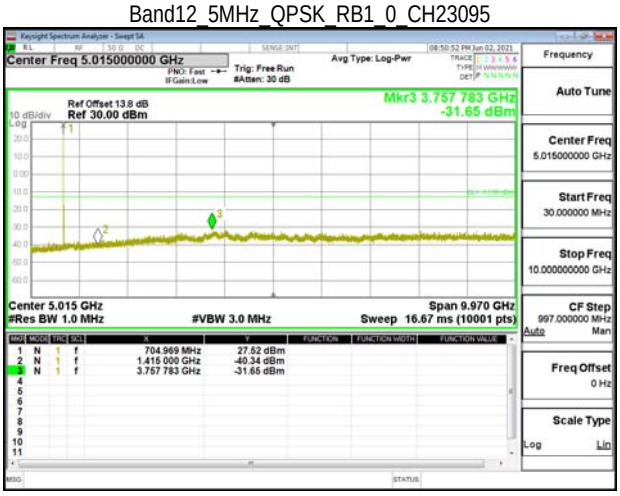


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

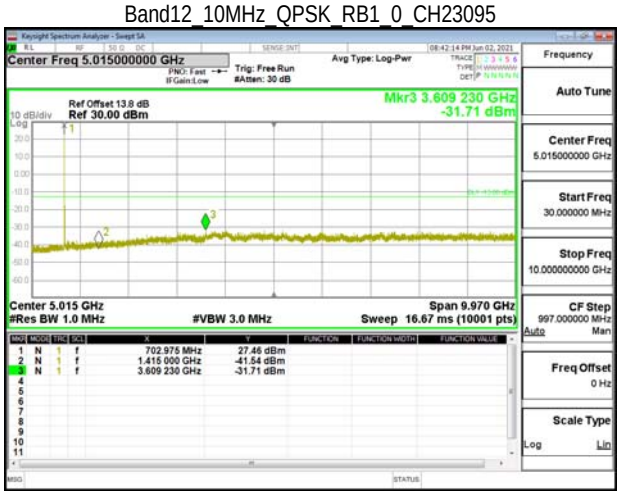
Band12_5MHz_QPSK_RB1_0_CH23035

Band12_10MHz_QPSK_RB1_0_CH23060

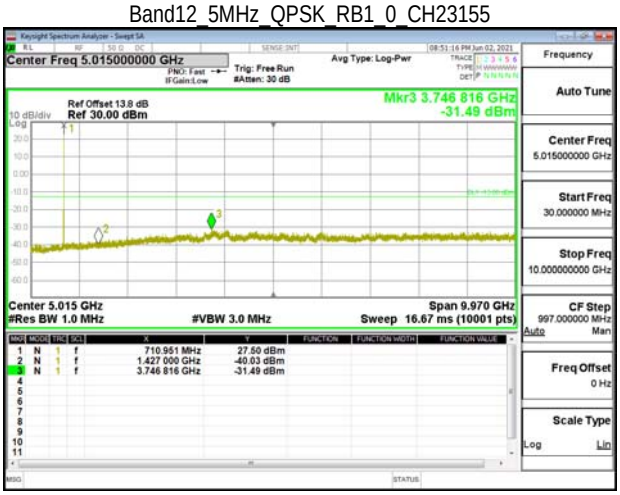
Band12_5MHz_QPSK_RB1_0_CH23095



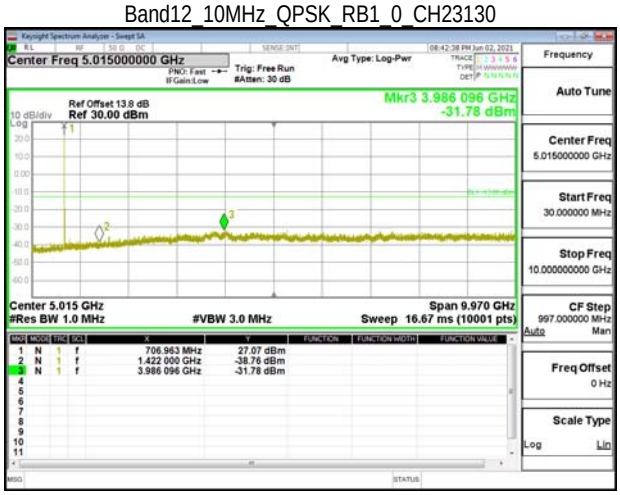
Band12_10MHz_QPSK_RB1_0_CH23095



Band12_5MHz_QPSK_RB1_0_CH23155



Band12_10MHz_QPSK_RB1_0_CH23130



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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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)

Out of band emissions.The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

FCC §27.53(g) for LTE B12

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band 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.

(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;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;

(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;

FCC §27.53(h)(1) for LTE B4

(h) *AWS emission limits*—(1) *General protection levels.* Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) dB.

FCC §27.53(m) (4) (6) for LTE B7

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 nstrumentation 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

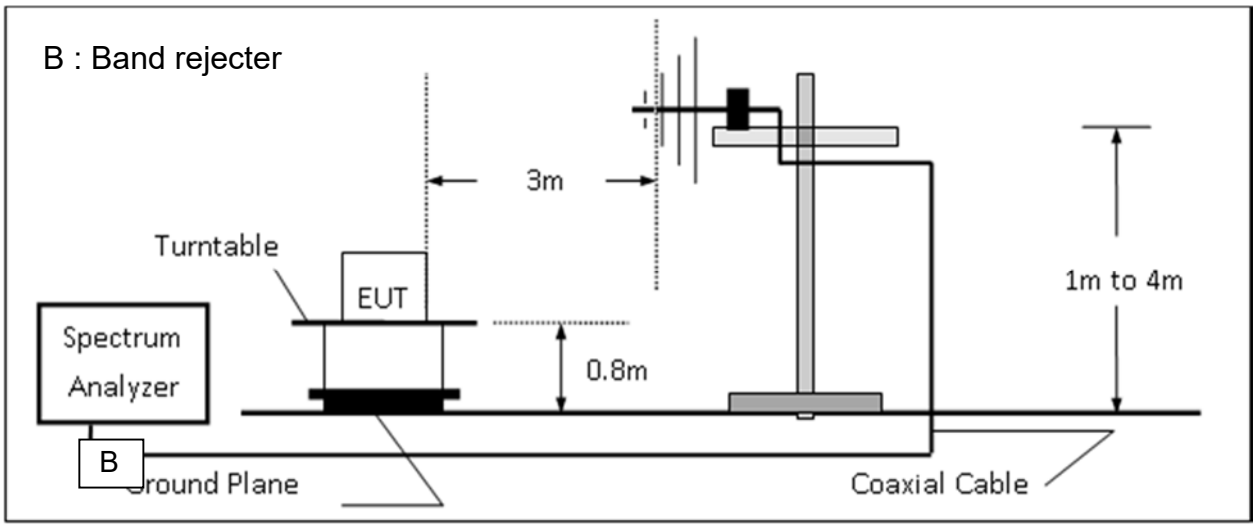
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

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.

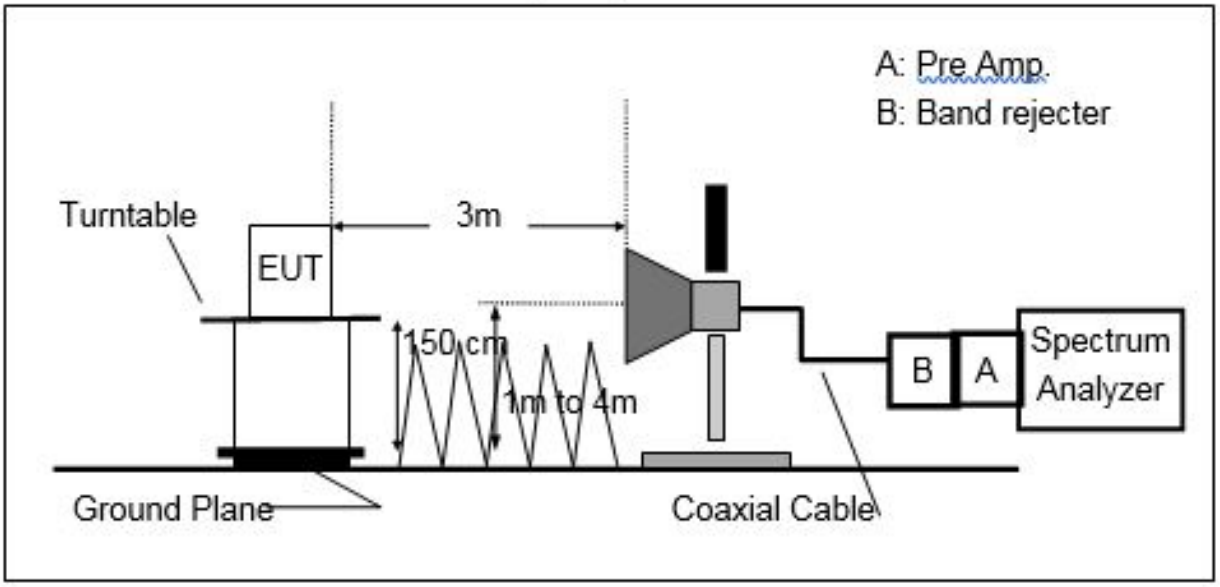
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

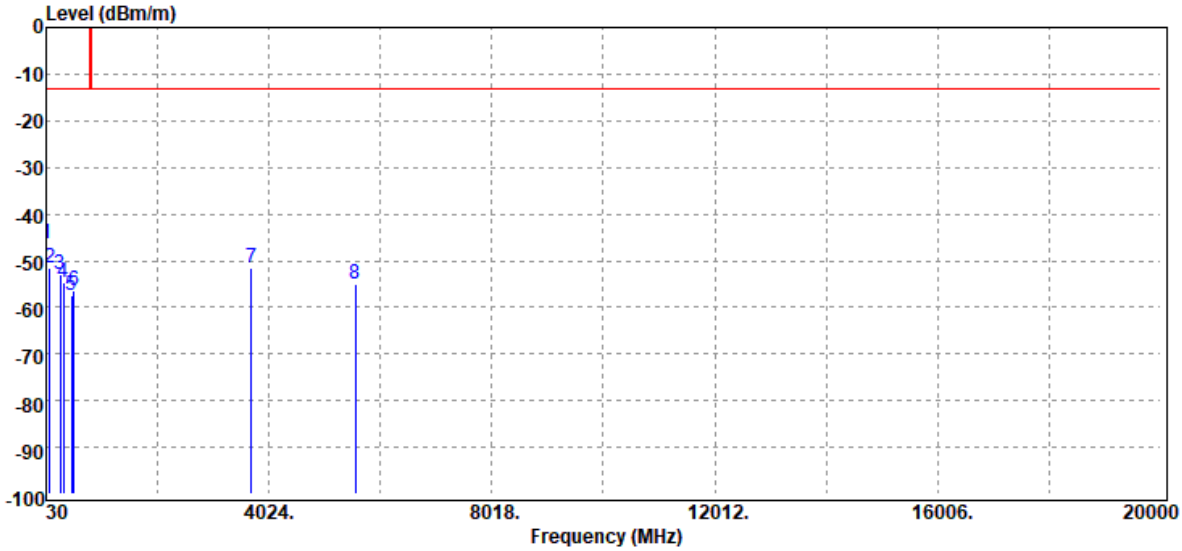
9.4 Measurement Equipment Used:

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWAZBECK	VULB9168	443	01/19/2021	01/18/2022
Horn Antenna	SCHWAZBECK	BBHA9120D	320	02/05/2021	02/04/2022
Horn Antenna	SCHWAZBECK	BBHA9170	184	12/11/2020	12/10/2021
Horn Antenna	SCHWAZBECK	BBHA9170	185	07/30/2020	07/29/2021
Site Cal	SGS	SAC I chamber	N/A	01/01/2021	12/31/2021
Horn Antenna	Schwarzbeck	BBHA9120D	D803	12/17/2020	12/16/2021
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2021	01/12/2022
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/29/2020	10/28/2021
DC Power Supply	Agilent	E3640A	MY40005907	10/29/2020	10/28/2021
Test Software	audix	e3	Ver. 6.11-20180413	01/01/2021	12/31/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	12/16/2020	12/15/2021
Pre-Amplifier	HP	8449B	3008A01973	12/16/2020	12/15/2021
Pre-Amplifier	HP	8447D	2944A09469	12/16/2020	12/15/2021
Bandreject Filter 635-920	Micro-Tronics	WI	4	12/16/2020	12/15/2021
Bandreject Filter 800-1000	Micro-Tronics	EWT	M1	12/16/2020	12/15/2021
Bandreject Filter 1700-2000	Micro-Tronics	EWT	M3	12/16/2020	12/15/2021
Bandreject Filter 2240-2700	Micro-Tronics	WI	2	12/16/2020	12/15/2021
1.3G-15GHz High Pass Filter	WI	WHKX10-1066-80SS	19	04/20/2021	12/15/2021
3.2GHz High Pass Filter	WI	WHKX10-2624-80SS	3	04/20/2021	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104	160125	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 106	76096/6	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/16/2020	12/15/2021

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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:

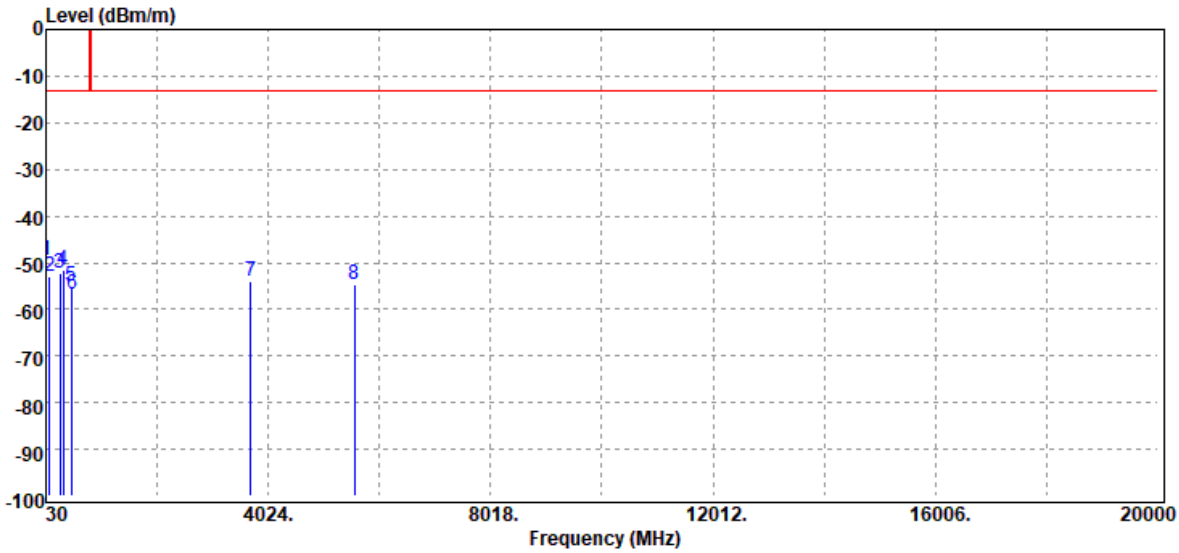
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-07-13
Test Mode	:Tx CH Low	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1855 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-46.35	-31.98	-13.72	-0.65	-13.00	-33.35
95.96	-51.47	-50.19	-0.28	-1.00	-13.00	-38.47
288.99	-52.88	-55.19	4.04	-1.73	-13.00	-39.88
335.55	-54.75	-57.13	4.28	-1.90	-13.00	-41.75
479.11	-57.37	-59.15	4.21	-2.43	-13.00	-44.37
527.61	-56.34	-58.48	4.17	-2.03	-13.00	-43.34
3710.00	-51.61	-56.39	12.32	-7.54	-13.00	-38.61
5565.00	-54.92	-58.35	12.93	-9.50	-13.00	-41.92

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

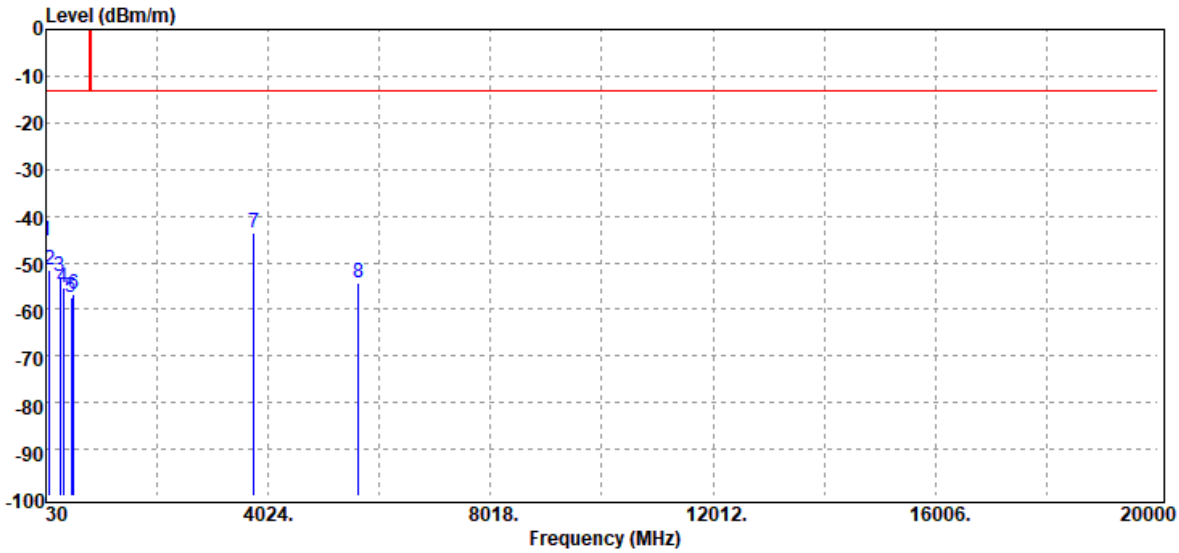
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-07-13
Test Mode	:Tx CH Low	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1855 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-49.45	-35.08	-13.72	-0.65	-13.00	-36.45
95.96	-52.99	-51.71	-0.28	-1.00	-13.00	-39.99
288.99	-52.27	-54.58	4.04	-1.73	-13.00	-39.27
335.55	-51.44	-53.82	4.28	-1.90	-13.00	-38.44
479.11	-55.00	-56.78	4.21	-2.43	-13.00	-42.00
500.45	-56.78	-58.62	4.25	-2.41	-13.00	-43.78
3710.00	-54.07	-58.85	12.32	-7.54	-13.00	-41.07
5565.00	-54.57	-58.00	12.93	-9.50	-13.00	-41.57

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

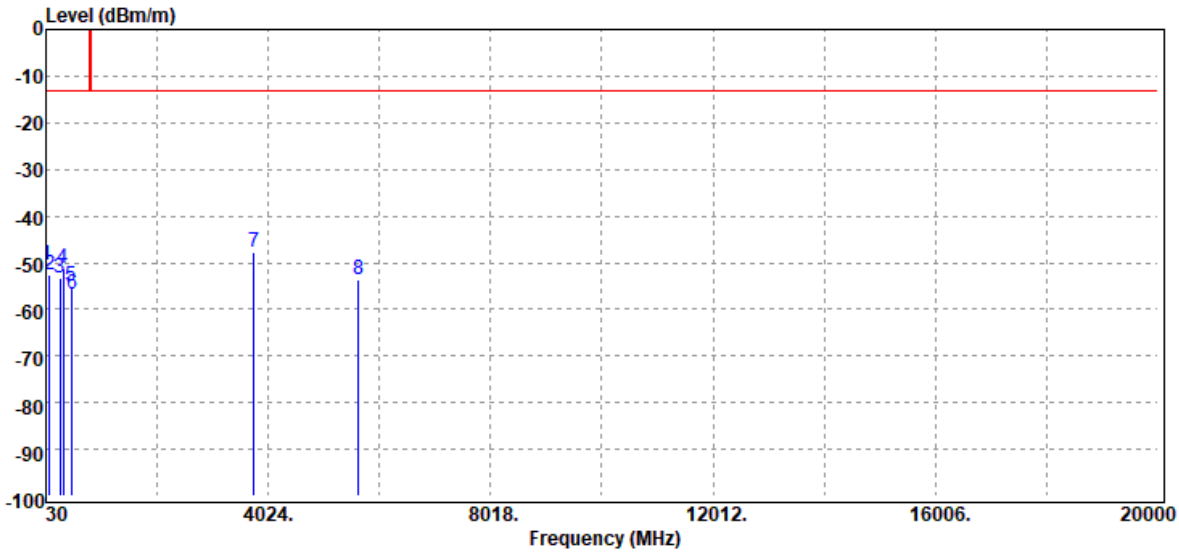
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-07-13
Test Mode	:Tx CH Mid	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1880 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-45.33	-30.96	-13.72	-0.65	-13.00	-32.33
95.96	-51.39	-50.11	-0.28	-1.00	-13.00	-38.39
288.99	-53.03	-55.34	4.04	-1.73	-13.00	-40.03
336.52	-55.38	-57.77	4.29	-1.90	-13.00	-42.38
479.11	-57.27	-59.05	4.21	-2.43	-13.00	-44.27
527.61	-56.63	-58.77	4.17	-2.03	-13.00	-43.63
3760.00	-43.49	-48.26	12.40	-7.63	-13.00	-30.49
5640.00	-54.21	-57.98	13.00	-9.23	-13.00	-41.21

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

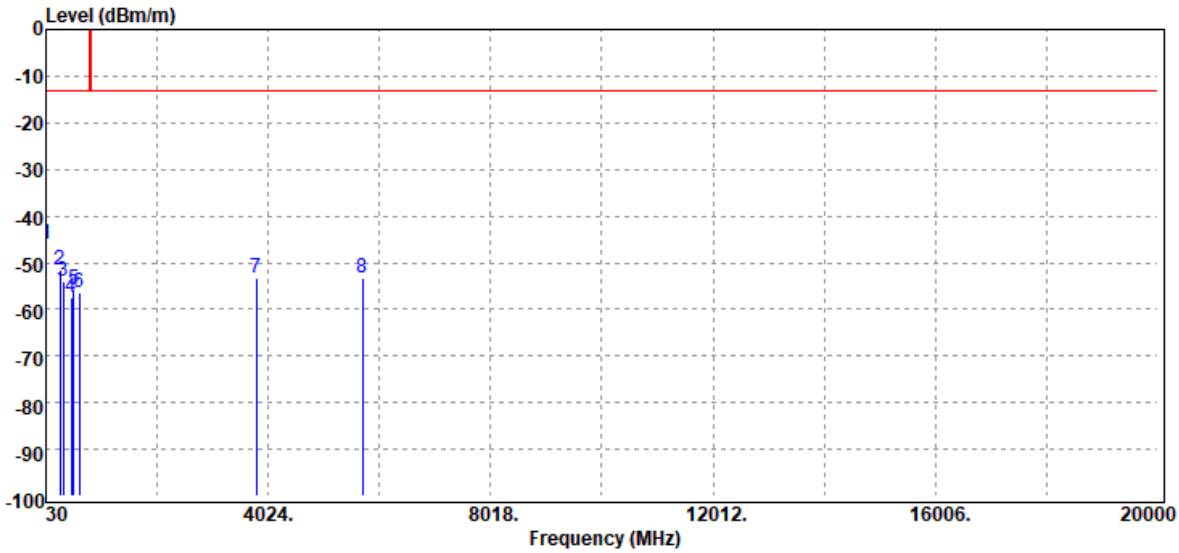
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-07-13
Test Mode	:Tx CH Mid	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1880 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-50.47	-36.10	-13.72	-0.65	-13.00	-37.47
95.96	-52.47	-51.19	-0.28	-1.00	-13.00	-39.47
288.99	-53.14	-55.45	4.04	-1.73	-13.00	-40.14
335.55	-51.36	-53.74	4.28	-1.90	-13.00	-38.36
479.11	-54.88	-56.66	4.21	-2.43	-13.00	-41.88
500.45	-56.59	-58.43	4.25	-2.41	-13.00	-43.59
3760.00	-47.68	-52.45	12.40	-7.63	-13.00	-34.68
5640.00	-53.58	-57.35	13.00	-9.23	-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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

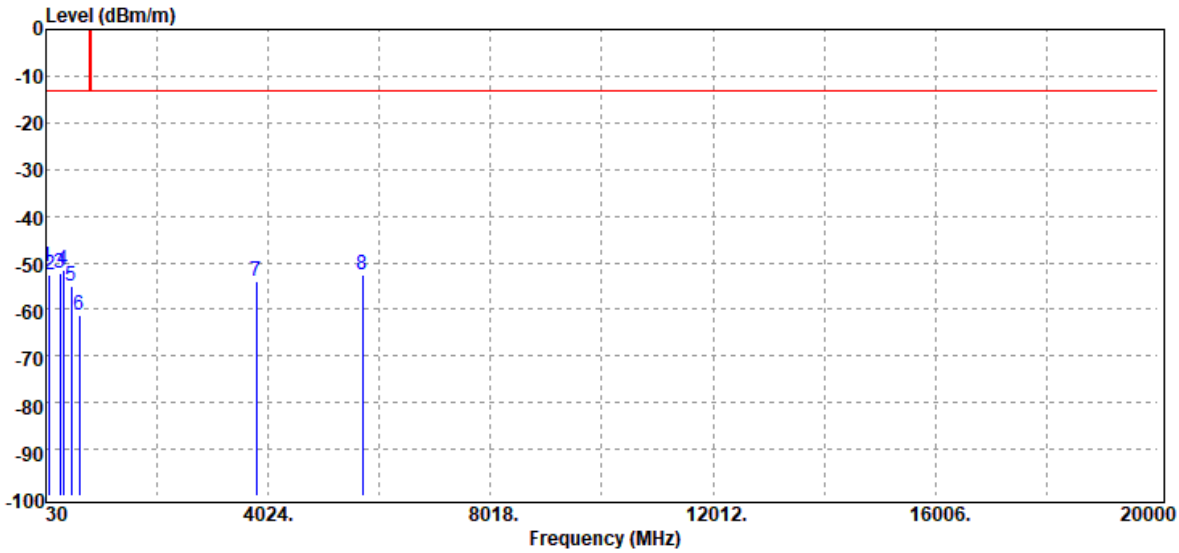
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-07-13
Test Mode	:Tx CH High	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1905 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-45.95	-31.58	-13.72	-0.65	-13.00	-32.95
288.99	-51.56	-53.87	4.04	-1.73	-13.00	-38.56
335.55	-54.05	-56.43	4.28	-1.90	-13.00	-41.05
479.11	-57.27	-59.05	4.21	-2.43	-13.00	-44.27
527.61	-55.63	-57.77	4.17	-2.03	-13.00	-42.63
623.64	-56.39	-57.54	3.48	-2.33	-13.00	-43.39
3810.00	-53.13	-57.84	12.38	-7.67	-13.00	-40.13
5715.00	-53.36	-57.09	12.80	-9.07	-13.00	-40.36

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

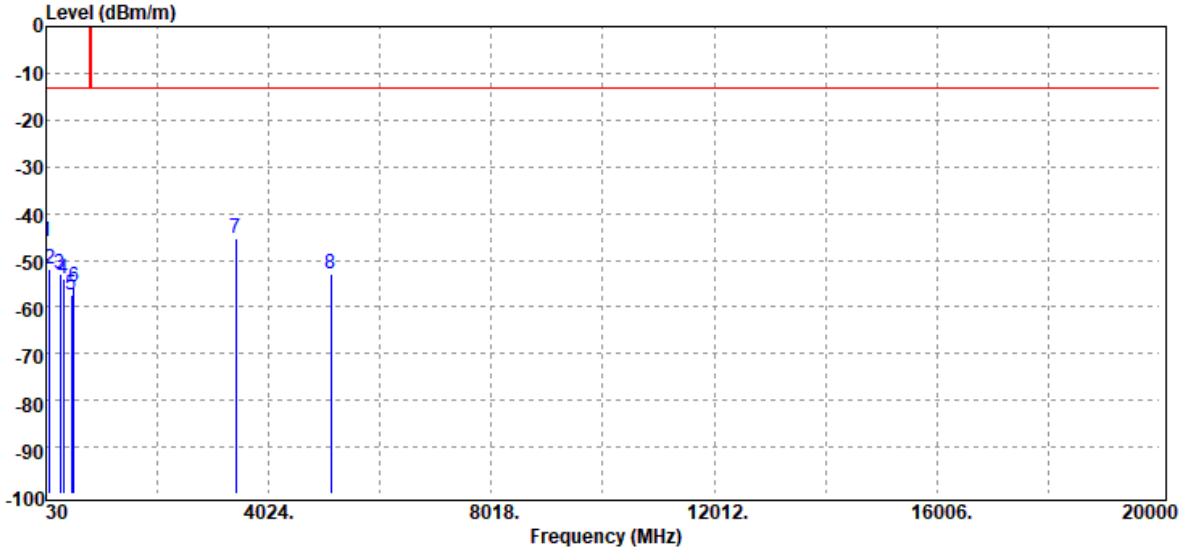
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-07-13
Test Mode	:Tx CH High	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1905 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-50.75	-36.38	-13.72	-0.65	-13.00	-37.75
95.96	-52.69	-51.41	-0.28	-1.00	-13.00	-39.69
288.99	-52.38	-54.69	4.04	-1.73	-13.00	-39.38
335.55	-51.38	-53.76	4.28	-1.90	-13.00	-38.38
479.11	-55.06	-56.84	4.21	-2.43	-13.00	-42.06
624.61	-61.23	-62.38	3.49	-2.34	-13.00	-48.23
3810.00	-54.13	-58.84	12.38	-7.67	-13.00	-41.13
5715.00	-52.46	-56.19	12.80	-9.07	-13.00	-39.46

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

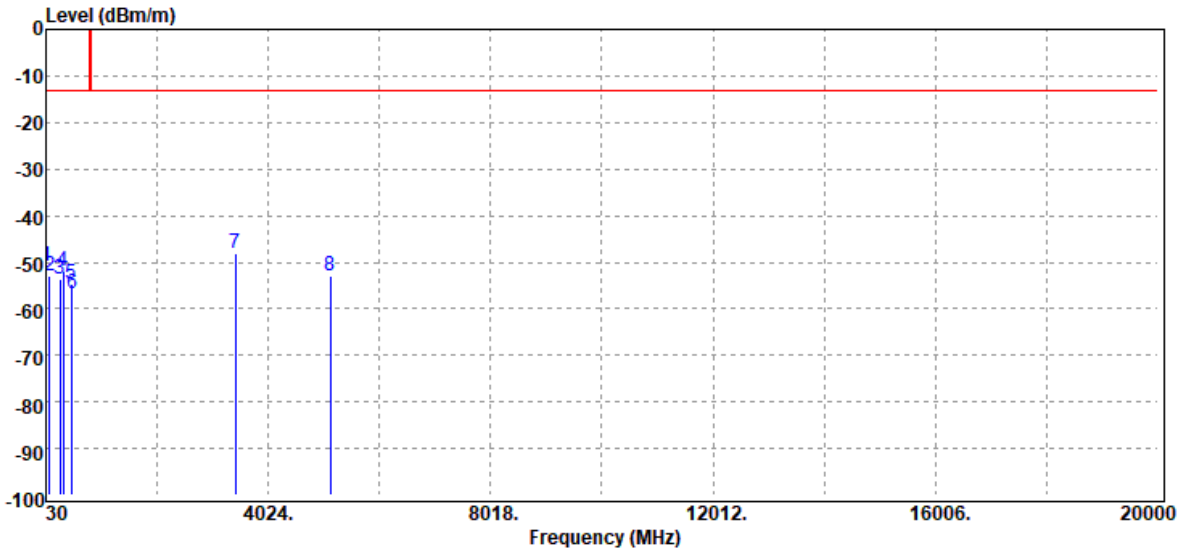
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-07-13
Test Mode	:Tx CH Low	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1715 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-46.17	-31.80	-13.72	-0.65	-13.00	-33.17
95.96	-51.87	-50.59	-0.28	-1.00	-13.00	-38.87
288.99	-52.89	-55.20	4.04	-1.73	-13.00	-39.89
335.55	-54.04	-56.42	4.28	-1.90	-13.00	-41.04
479.11	-57.54	-59.32	4.21	-2.43	-13.00	-44.54
527.61	-55.87	-58.01	4.17	-2.03	-13.00	-42.87
3430.00	-45.45	-52.11	12.54	-5.88	-13.00	-32.45
5145.00	-52.80	-56.96	12.10	-7.94	-13.00	-39.80

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

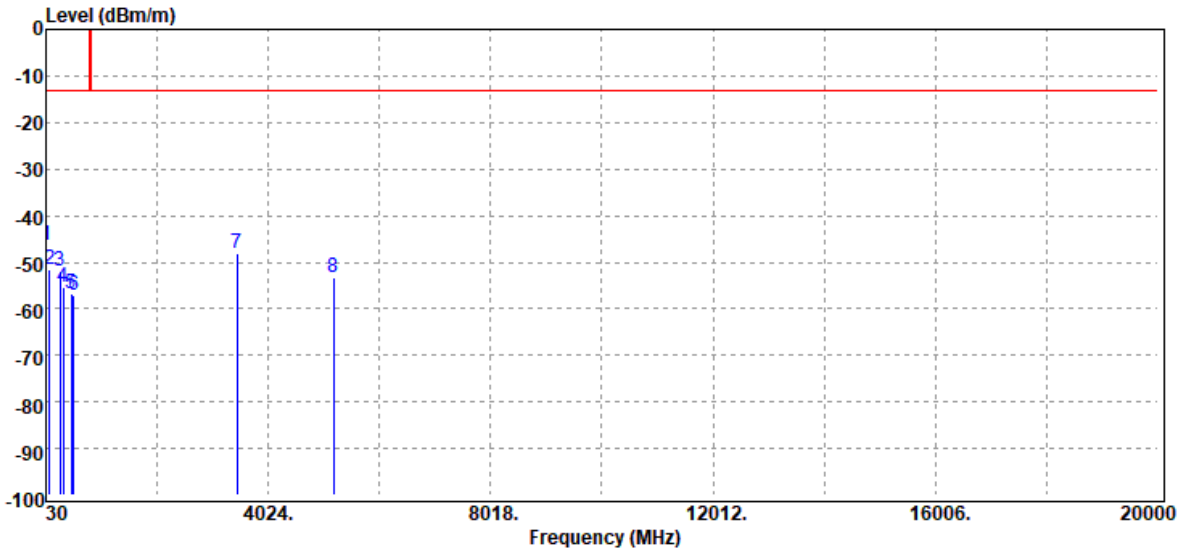
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-07-13
Test Mode	:Tx CH Low	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1715 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-50.76	-36.39	-13.72	-0.65	-13.00	-37.76
95.96	-52.84	-51.56	-0.28	-1.00	-13.00	-39.84
288.99	-53.48	-55.79	4.04	-1.73	-13.00	-40.48
335.55	-51.83	-54.21	4.28	-1.90	-13.00	-38.83
479.11	-54.82	-56.60	4.21	-2.43	-13.00	-41.82
500.45	-56.87	-58.71	4.25	-2.41	-13.00	-43.87
3430.00	-48.18	-54.84	12.54	-5.88	-13.00	-35.18
5145.00	-52.84	-57.00	12.10	-7.94	-13.00	-39.84

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

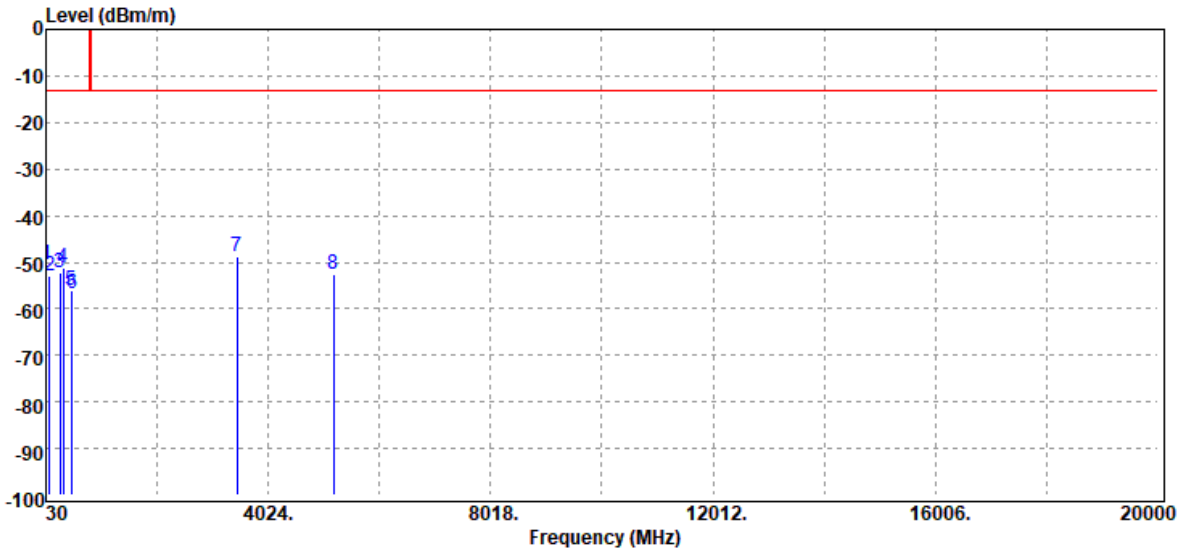
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-07-13
Test Mode	:Tx CH Mid	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1732.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-46.21	-31.84	-13.72	-0.65	-13.00	-33.21
95.96	-51.41	-50.13	-0.28	-1.00	-13.00	-38.41
288.99	-52.02	-54.33	4.04	-1.73	-13.00	-39.02
335.55	-55.25	-57.63	4.28	-1.90	-13.00	-42.25
479.11	-56.70	-58.48	4.21	-2.43	-13.00	-43.70
527.61	-57.18	-59.32	4.17	-2.03	-13.00	-44.18
3465.00	-48.25	-54.62	12.47	-6.10	-13.00	-35.25
5197.50	-53.29	-57.80	12.39	-7.88	-13.00	-40.29

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

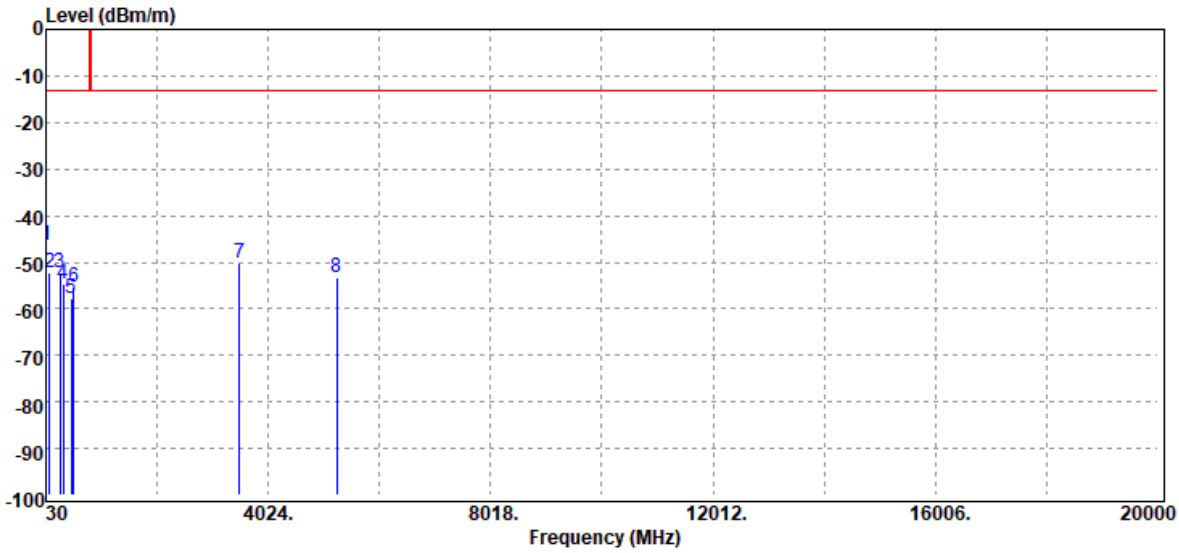
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-07-13
Test Mode	:Tx CH Mid	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1732.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-50.61	-36.24	-13.72	-0.65	-13.00	-37.61
95.96	-52.99	-51.71	-0.28	-1.00	-13.00	-39.99
288.99	-52.15	-54.46	4.04	-1.73	-13.00	-39.15
335.55	-51.21	-53.59	4.28	-1.90	-13.00	-38.21
479.11	-55.89	-57.67	4.21	-2.43	-13.00	-42.89
500.45	-56.77	-58.61	4.25	-2.41	-13.00	-43.77
3465.00	-48.68	-55.05	12.47	-6.10	-13.00	-35.68
5197.50	-52.52	-57.03	12.39	-7.88	-13.00	-39.52

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

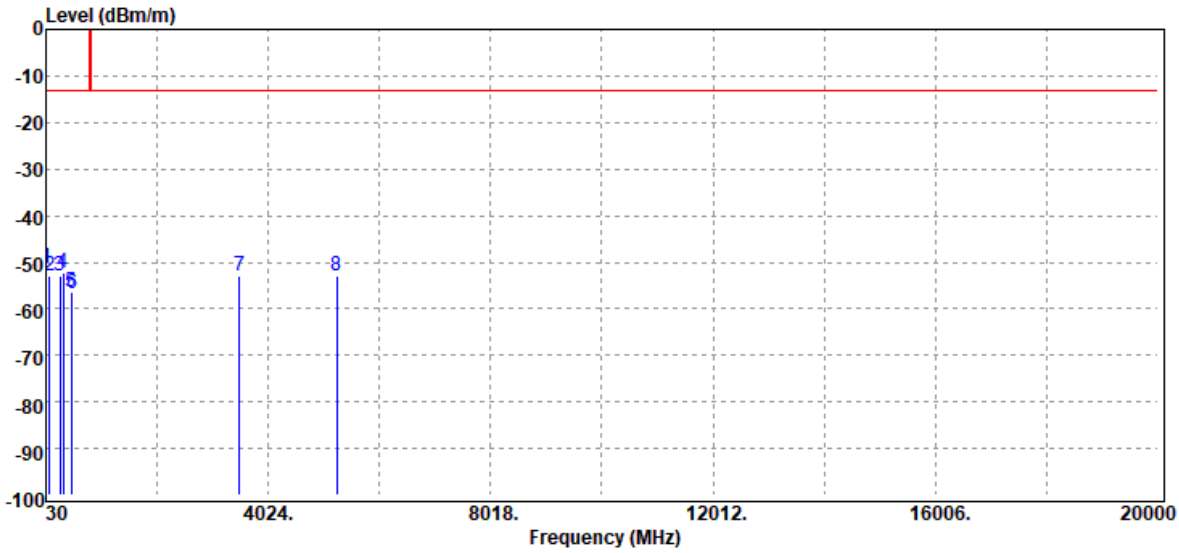
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-07-13
Test Mode	:Tx CH High	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1750 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-46.30	-31.93	-13.72	-0.65	-13.00	-33.30
95.96	-52.34	-51.06	-0.28	-1.00	-13.00	-39.34
288.99	-52.18	-54.49	4.04	-1.73	-13.00	-39.18
335.55	-54.82	-57.20	4.28	-1.90	-13.00	-41.82
479.11	-57.72	-59.50	4.21	-2.43	-13.00	-44.72
527.61	-55.53	-57.67	4.17	-2.03	-13.00	-42.53
3500.00	-50.17	-56.25	12.40	-6.32	-13.00	-37.17
5250.00	-53.39	-58.15	12.80	-8.04	-13.00	-40.39

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

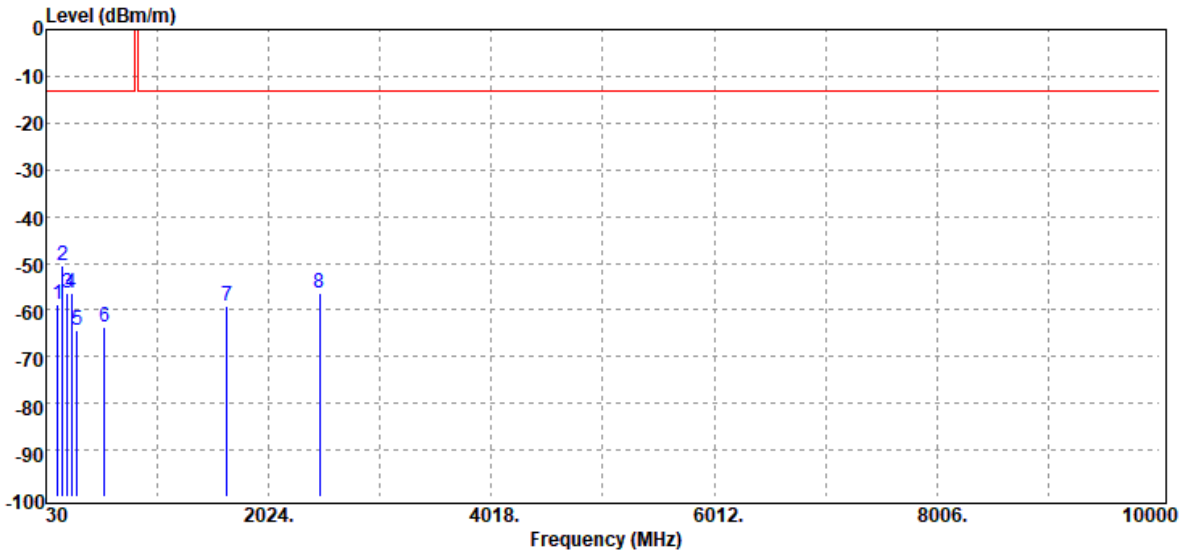
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-07-13
Test Mode	:Tx CH High	Temp./Humi.	:27.0/58
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1750 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-51.20	-36.83	-13.72	-0.65	-13.00	-38.20
95.96	-53.09	-51.81	-0.28	-1.00	-13.00	-40.09
288.99	-53.11	-55.42	4.04	-1.73	-13.00	-40.11
335.55	-52.22	-54.60	4.28	-1.90	-13.00	-39.22
479.11	-56.40	-58.18	4.21	-2.43	-13.00	-43.40
500.45	-56.65	-58.49	4.25	-2.41	-13.00	-43.65
3500.00	-52.85	-58.93	12.40	-6.32	-13.00	-39.85
5250.00	-52.86	-57.62	12.80	-8.04	-13.00	-39.86

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

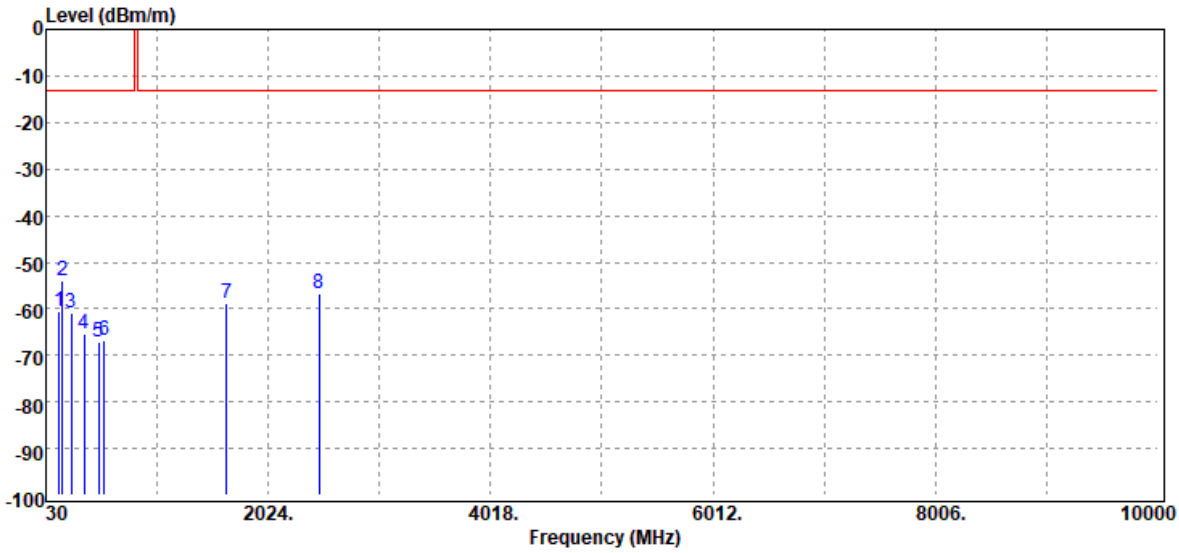
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-06-07
Test Mode	:Tx CH Low	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:825.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
136.70	-58.84	-55.60	-1.97	-1.27	-13.00	-45.84
175.50	-50.50	-49.64	0.47	-1.33	-13.00	-37.50
219.15	-56.51	-60.05	5.01	-1.47	-13.00	-43.51
255.04	-56.55	-59.24	4.31	-1.62	-13.00	-43.55
306.45	-64.29	-66.77	4.25	-1.77	-13.00	-51.29
555.74	-63.73	-65.52	4.26	-2.47	-13.00	-50.73
1651.00	-59.24	-64.48	9.50	-4.26	-13.00	-46.24
2476.50	-56.48	-61.86	10.55	-5.17	-13.00	-43.48

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

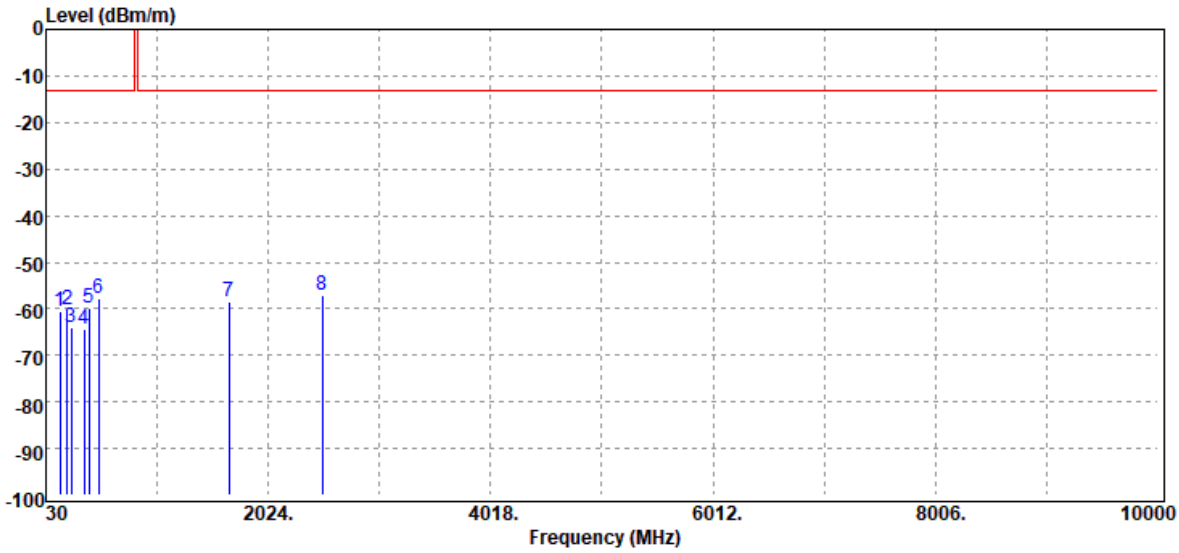
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-06-07
Test Mode	:Tx CH Low	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:825.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
149.31	-60.53	-57.74	-1.64	-1.15	-13.00	-47.53
175.50	-53.98	-53.12	0.47	-1.33	-13.00	-40.98
255.04	-60.82	-63.51	4.31	-1.62	-13.00	-47.82
372.41	-65.38	-67.74	4.35	-1.99	-13.00	-52.38
500.45	-67.22	-69.06	4.25	-2.41	-13.00	-54.22
553.80	-66.91	-68.76	4.25	-2.40	-13.00	-53.91
1651.00	-58.79	-64.03	9.50	-4.26	-13.00	-45.79
2476.50	-56.87	-62.25	10.55	-5.17	-13.00	-43.87

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

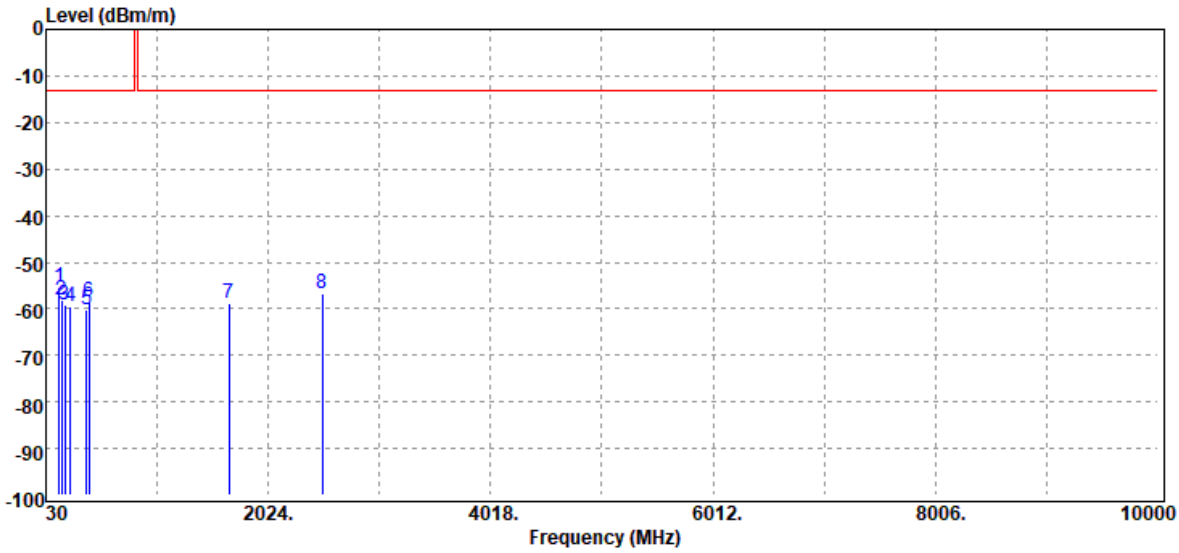
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-06-07
Test Mode	:Tx CH Mid	Temp./Humi.	:26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:836.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.16	-60.57	-57.99	-1.39	-1.19	-13.00	-47.57
222.06	-60.33	-63.86	5.03	-1.50	-13.00	-47.33
257.95	-63.96	-66.68	4.35	-1.63	-13.00	-50.96
371.44	-64.53	-66.89	4.35	-1.99	-13.00	-51.53
418.00	-60.03	-62.43	4.28	-1.88	-13.00	-47.03
500.45	-57.67	-59.51	4.25	-2.41	-13.00	-44.67
1673.00	-58.41	-63.67	9.55	-4.29	-13.00	-45.41
2509.50	-57.02	-62.44	10.62	-5.20	-13.00	-44.02

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

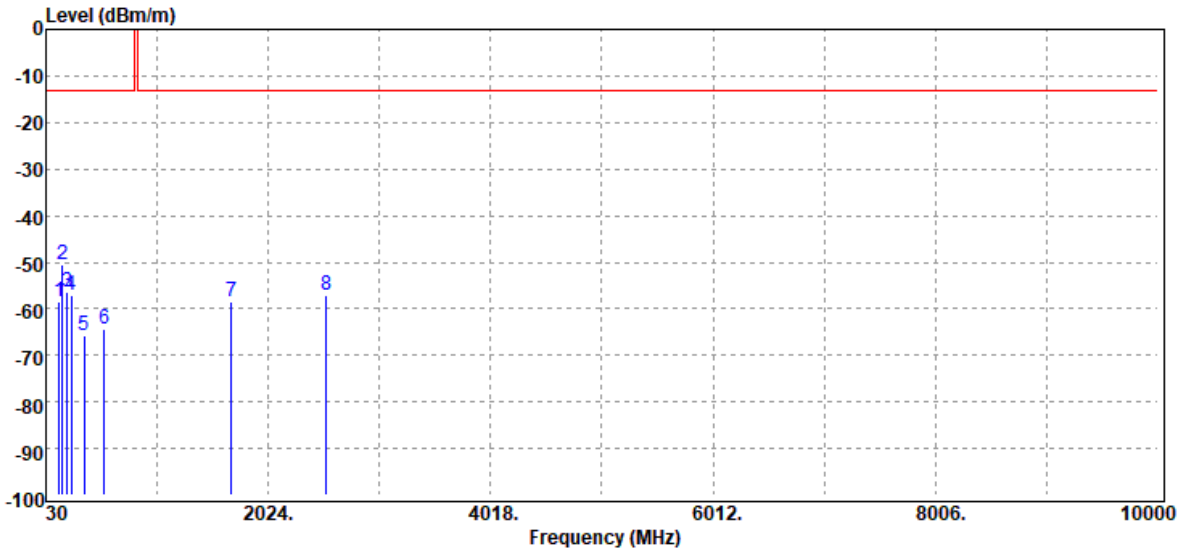
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-06-07
Test Mode	:Tx CH Mid	Temp./Humi.	:26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:836.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
151.25	-55.25	-52.54	-1.55	-1.16	-13.00	-42.25
167.74	-58.19	-56.38	-0.55	-1.26	-13.00	-45.19
202.66	-59.11	-62.09	4.42	-1.44	-13.00	-46.11
250.19	-59.62	-62.37	4.34	-1.59	-13.00	-46.62
390.84	-60.32	-62.66	4.39	-2.05	-13.00	-47.32
418.00	-58.34	-60.74	4.28	-1.88	-13.00	-45.34
1673.00	-58.77	-64.03	9.55	-4.29	-13.00	-45.77
2509.50	-56.86	-62.28	10.62	-5.20	-13.00	-43.86

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

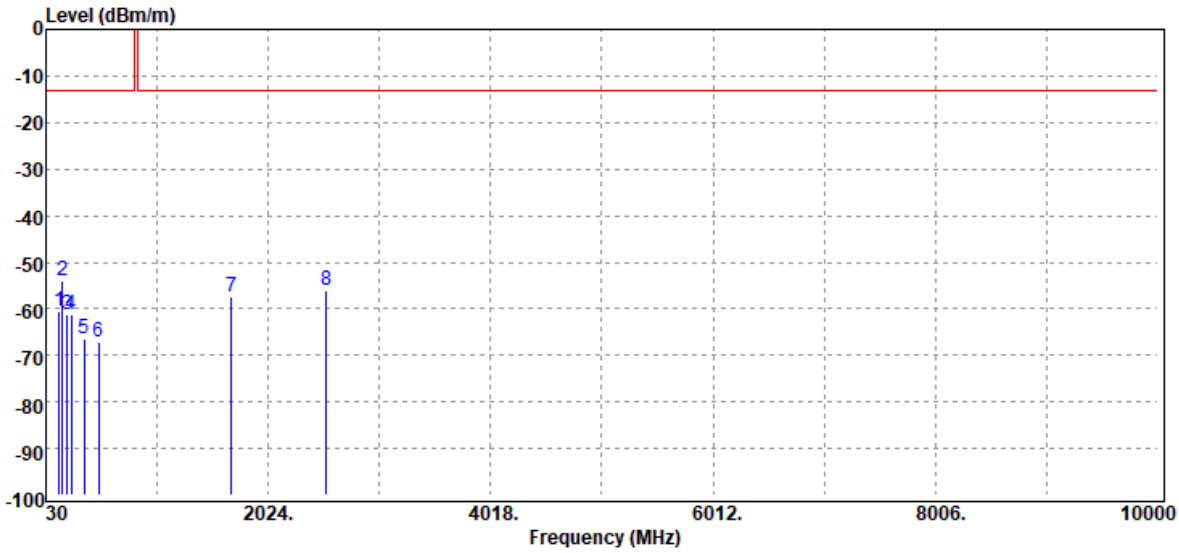
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-06-07
Test Mode	:Tx CH High	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:847.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
149.31	-58.38	-55.59	-1.64	-1.15	-13.00	-45.38
175.50	-50.49	-49.63	0.47	-1.33	-13.00	-37.49
219.15	-56.45	-59.99	5.01	-1.47	-13.00	-43.45
255.04	-56.99	-59.68	4.31	-1.62	-13.00	-43.99
372.41	-65.80	-68.16	4.35	-1.99	-13.00	-52.80
553.80	-64.46	-66.31	4.25	-2.40	-13.00	-51.46
1695.00	-58.62	-63.89	9.59	-4.32	-13.00	-45.62
2542.50	-56.95	-62.41	10.69	-5.23	-13.00	-43.95

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

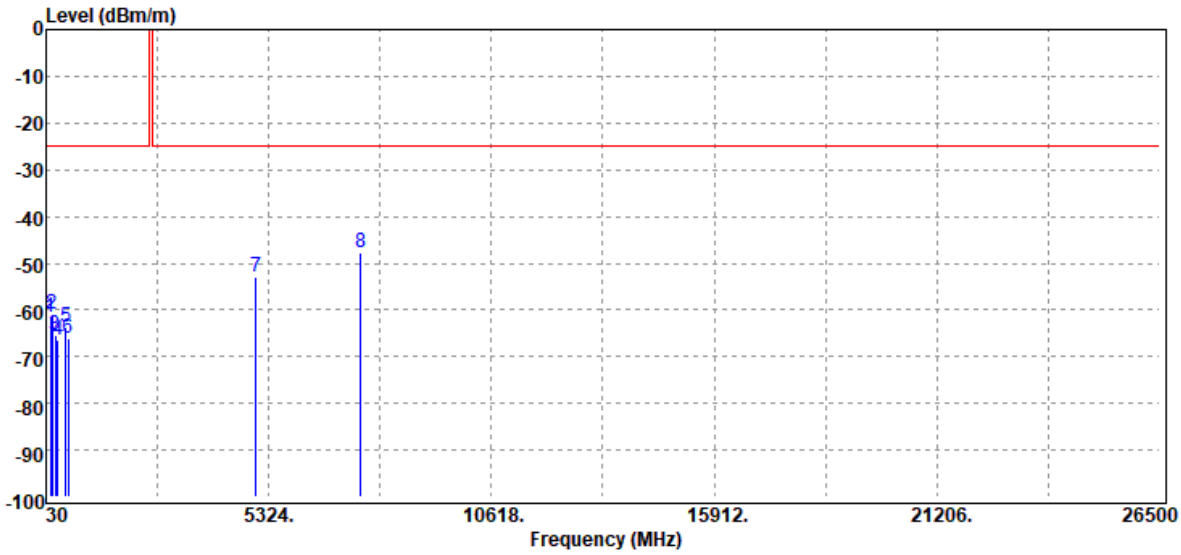
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-06-07
Test Mode	:Tx CH High	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:847.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
149.31	-60.69	-57.90	-1.64	-1.15	-13.00	-47.69
175.50	-53.97	-53.11	0.47	-1.33	-13.00	-40.97
219.15	-61.26	-64.80	5.01	-1.47	-13.00	-48.26
255.04	-61.13	-63.82	4.31	-1.62	-13.00	-48.13
372.41	-66.52	-68.88	4.35	-1.99	-13.00	-53.52
500.45	-67.07	-68.91	4.25	-2.41	-13.00	-54.07
1695.00	-57.39	-62.66	9.59	-4.32	-13.00	-44.39
2542.50	-56.23	-61.69	10.69	-5.23	-13.00	-43.23

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

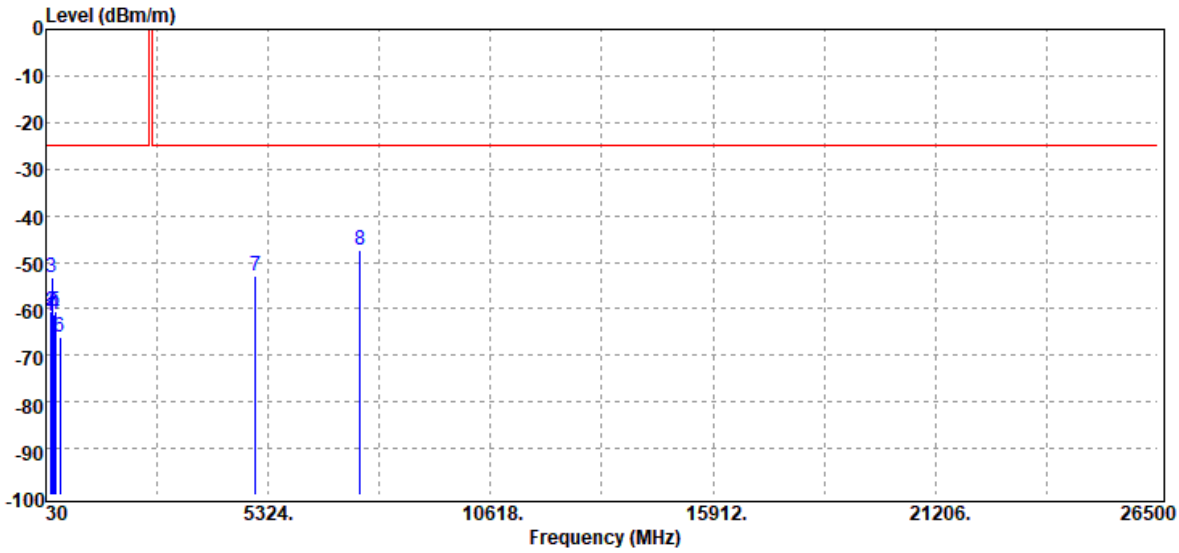
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-06-07
Test Mode	:Tx CH Low	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2505 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
136.70	-61.56	-58.32	-1.97	-1.27	-25.00	-36.56
175.50	-60.74	-59.88	0.47	-1.33	-25.00	-35.74
255.04	-65.24	-67.93	4.31	-1.62	-25.00	-40.24
306.45	-66.32	-68.80	4.25	-1.77	-25.00	-41.32
500.45	-63.56	-65.40	4.25	-2.41	-25.00	-38.56
551.86	-65.98	-67.86	4.22	-2.34	-25.00	-40.98
5010.00	-52.80	-57.75	12.42	-7.47	-25.00	-27.80
7515.00	-47.77	-49.56	11.03	-9.24	-25.00	-22.77

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

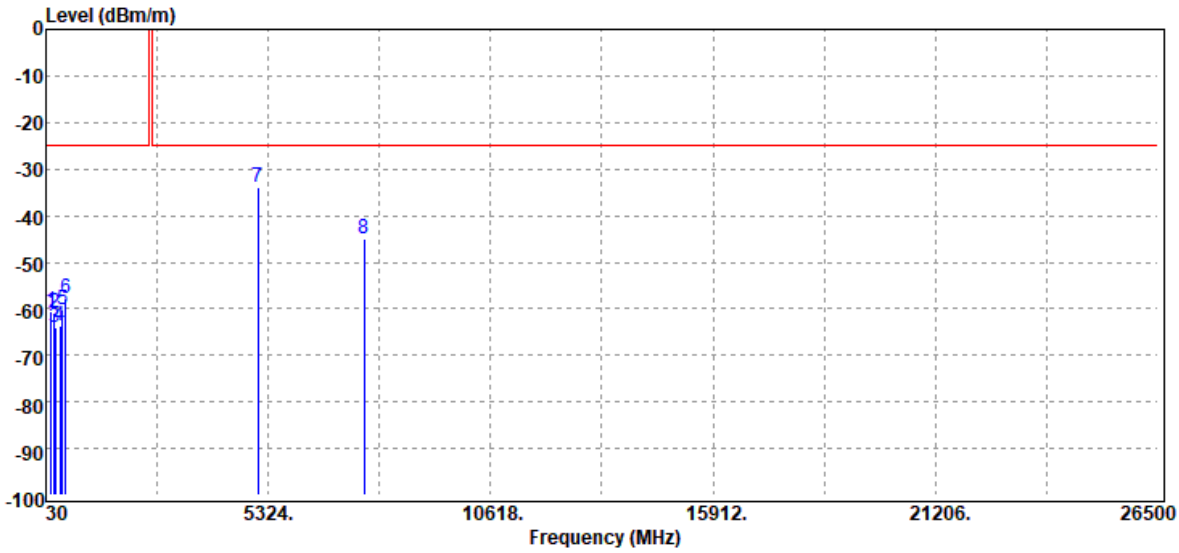
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-06-07
Test Mode	:Tx CH Low	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2505 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
136.70	-61.52	-58.28	-1.97	-1.27	-25.00	-36.52
149.31	-60.66	-57.87	-1.64	-1.15	-25.00	-35.66
175.50	-53.45	-52.59	0.47	-1.33	-25.00	-28.45
222.06	-61.42	-64.95	5.03	-1.50	-25.00	-36.42
255.04	-60.66	-63.35	4.31	-1.62	-25.00	-35.66
367.56	-66.09	-68.49	4.38	-1.98	-25.00	-41.09
5010.00	-53.06	-58.01	12.42	-7.47	-25.00	-28.06
7515.00	-47.36	-49.15	11.03	-9.24	-25.00	-22.36

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

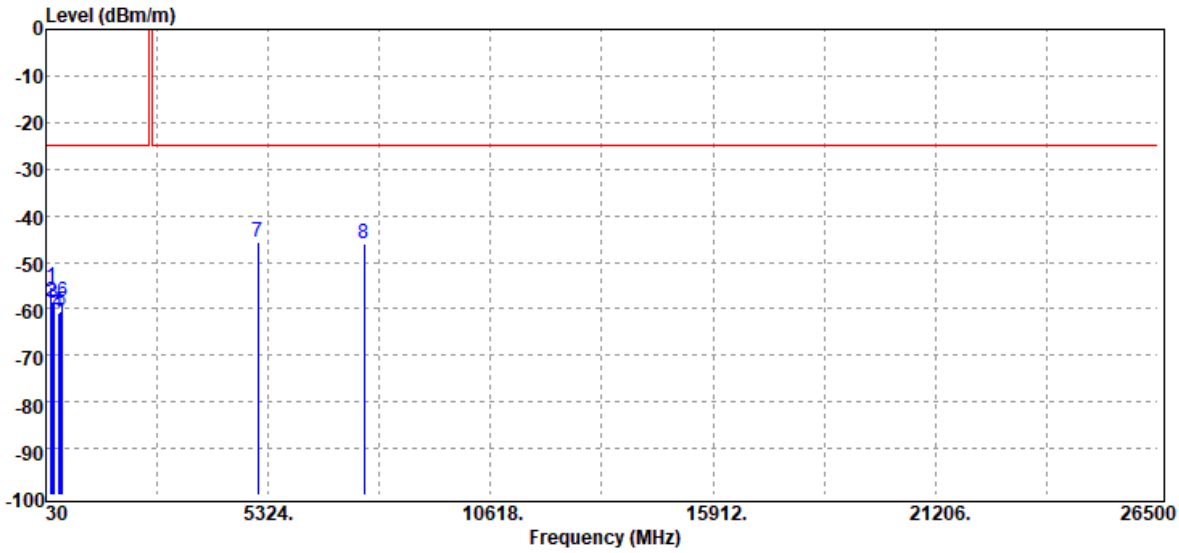
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-06-07
Test Mode	:Tx CH Mid	Temp./Humi.	:26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2535 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.16	-60.41	-57.83	-1.39	-1.19	-25.00	-35.41
222.06	-60.85	-64.38	5.03	-1.50	-25.00	-35.85
257.95	-64.14	-66.86	4.35	-1.63	-25.00	-39.14
371.44	-63.83	-66.19	4.35	-1.99	-25.00	-38.83
418.00	-60.15	-62.55	4.28	-1.88	-25.00	-35.15
500.45	-57.71	-59.55	4.25	-2.41	-25.00	-32.71
5070.00	-34.08	-38.35	12.10	-7.83	-25.00	-9.08
7605.00	-44.96	-46.56	11.21	-9.61	-25.00	-19.96

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

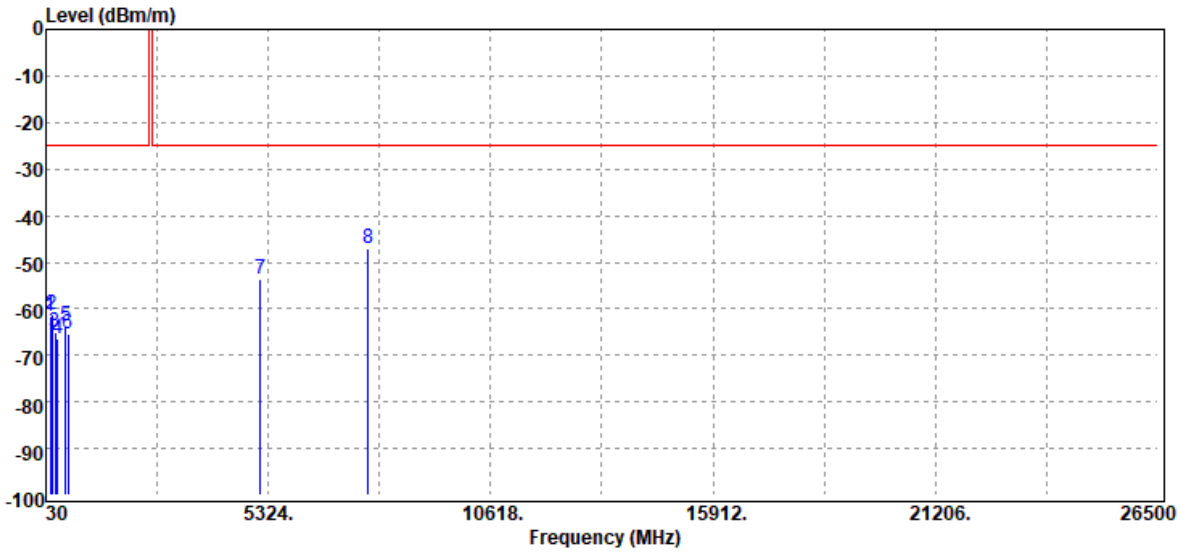
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-06-07
Test Mode	:Tx CH Mid	Temp./Humi.	:26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2535 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
149.31	-55.32	-52.53	-1.64	-1.15	-25.00	-30.32
180.35	-58.39	-58.48	1.47	-1.38	-25.00	-33.39
202.66	-58.77	-61.75	4.42	-1.44	-25.00	-33.77
332.64	-60.92	-63.28	4.27	-1.91	-25.00	-35.92
390.84	-60.41	-62.75	4.39	-2.05	-25.00	-35.41
418.00	-58.64	-61.04	4.28	-1.88	-25.00	-33.64
5070.00	-45.79	-50.06	12.10	-7.83	-25.00	-20.79
7605.00	-46.18	-47.78	11.21	-9.61	-25.00	-21.18

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

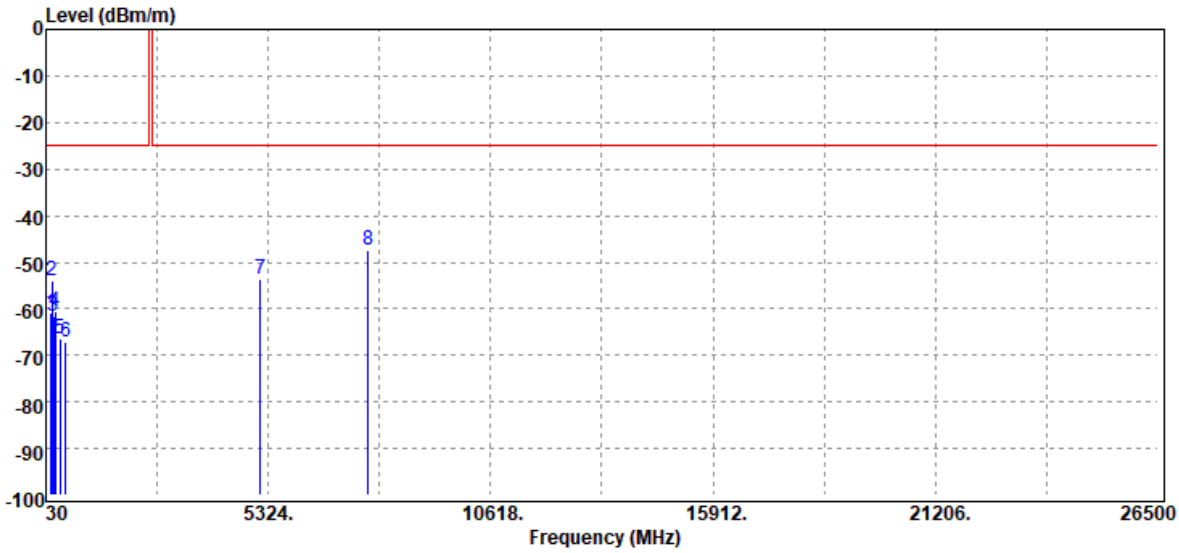
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-06-07
Test Mode	:Tx CH High	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2565 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
136.70	-61.72	-58.48	-1.97	-1.27	-25.00	-36.72
175.50	-61.14	-60.28	0.47	-1.33	-25.00	-36.14
255.04	-65.12	-67.81	4.31	-1.62	-25.00	-40.12
306.45	-66.39	-68.87	4.25	-1.77	-25.00	-41.39
500.45	-63.55	-65.39	4.25	-2.41	-25.00	-38.55
550.89	-65.32	-67.22	4.20	-2.30	-25.00	-40.32
5130.00	-53.50	-57.64	12.10	-7.96	-25.00	-28.50
7695.00	-47.11	-48.66	11.48	-9.93	-25.00	-22.11

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

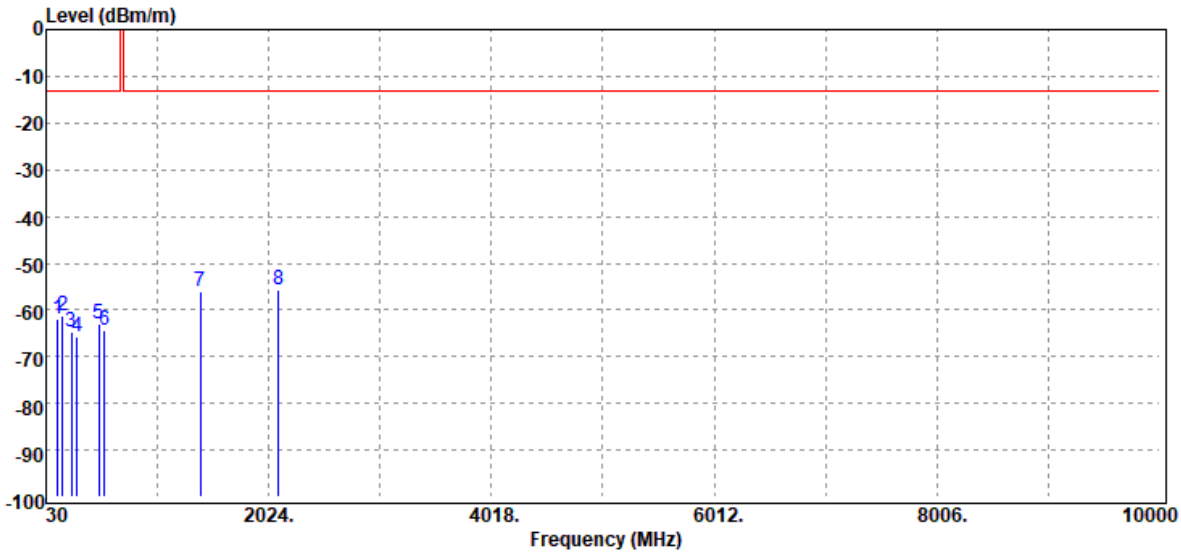
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-06-07
Test Mode	:Tx CH High	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2565 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
149.31	-60.75	-57.96	-1.64	-1.15	-25.00	-35.75
175.50	-54.02	-53.16	0.47	-1.33	-25.00	-29.02
221.09	-61.66	-65.20	5.03	-1.49	-25.00	-36.66
255.04	-60.69	-63.38	4.31	-1.62	-25.00	-35.69
372.41	-66.47	-68.83	4.35	-1.99	-25.00	-41.47
500.45	-67.08	-68.92	4.25	-2.41	-25.00	-42.08
5130.00	-53.61	-57.75	12.10	-7.96	-25.00	-28.61
7695.00	-47.53	-49.08	11.48	-9.93	-25.00	-22.53

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

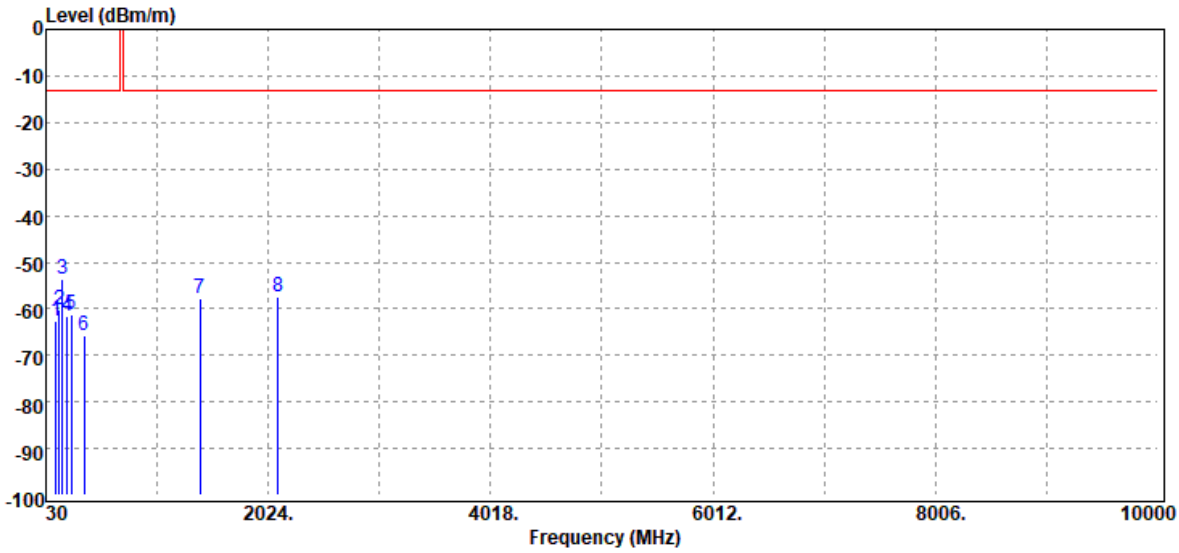
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-06-07
Test Mode	:Tx CH Low	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:704 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
133.79	-62.00	-58.72	-2.05	-1.23	-13.00	-49.00
175.50	-61.23	-60.37	0.47	-1.33	-13.00	-48.23
255.04	-64.76	-67.45	4.31	-1.62	-13.00	-51.76
306.45	-65.83	-68.31	4.25	-1.77	-13.00	-52.83
500.45	-63.12	-64.96	4.25	-2.41	-13.00	-50.12
550.89	-64.24	-66.14	4.20	-2.30	-13.00	-51.24
1408.00	-56.23	-60.04	7.66	-3.85	-13.00	-43.23
2112.00	-55.55	-60.52	9.75	-4.78	-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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

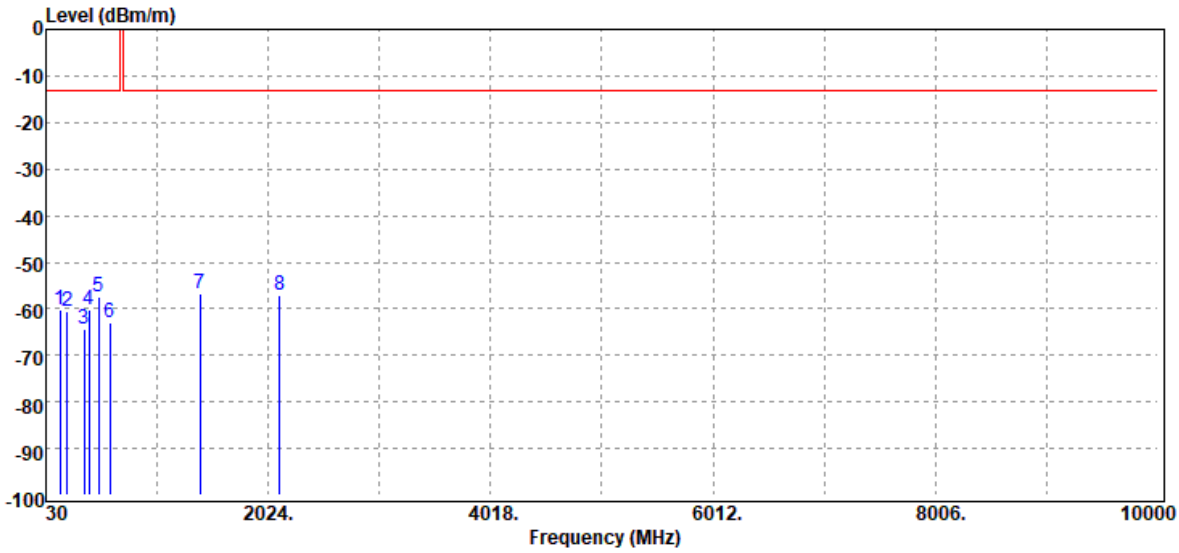
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-06-07
Test Mode	:Tx CH Low	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:704 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-62.51	-59.58	-1.80	-1.13	-13.00	-49.51
149.31	-60.34	-57.55	-1.64	-1.15	-13.00	-47.34
175.50	-53.77	-52.91	0.47	-1.33	-13.00	-40.77
219.15	-61.57	-65.11	5.01	-1.47	-13.00	-48.57
255.04	-61.29	-63.98	4.31	-1.62	-13.00	-48.29
372.41	-65.72	-68.08	4.35	-1.99	-13.00	-52.72
1408.00	-57.78	-61.59	7.66	-3.85	-13.00	-44.78
2112.00	-57.59	-62.56	9.75	-4.78	-13.00	-44.59

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

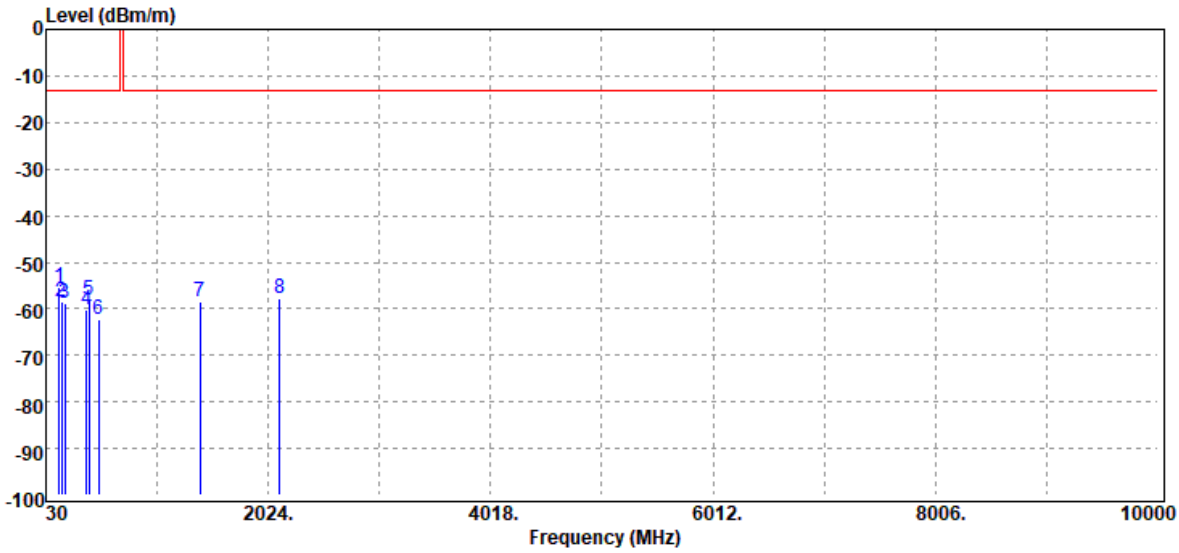
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-06-07
Test Mode	:Tx CH Mid	Temp./Humi.	:26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:707.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.16	-60.17	-57.59	-1.39	-1.19	-13.00	-47.17
222.06	-60.42	-63.95	5.03	-1.50	-13.00	-47.42
371.44	-64.22	-66.58	4.35	-1.99	-13.00	-51.22
418.00	-60.06	-62.46	4.28	-1.88	-13.00	-47.06
500.45	-57.42	-59.26	4.25	-2.41	-13.00	-44.42
600.36	-63.00	-64.00	3.64	-2.64	-13.00	-50.00
1415.00	-56.74	-60.60	7.72	-3.86	-13.00	-43.74
2122.50	-57.15	-61.98	9.63	-4.80	-13.00	-44.15

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

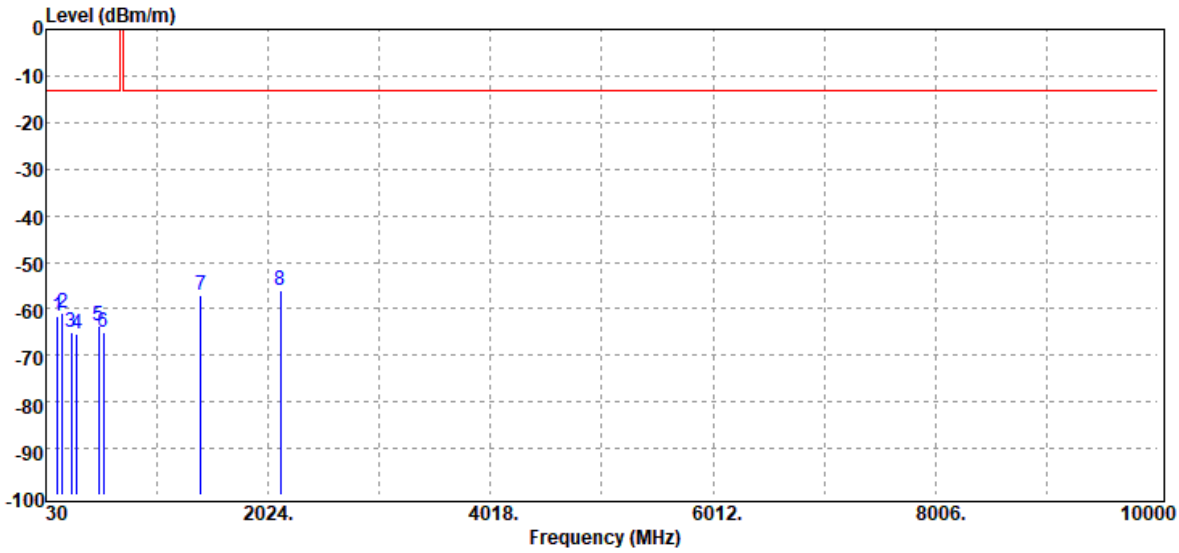
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-06-07
Test Mode	:Tx CH Mid	Temp./Humi.	:26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:707.5 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
149.31	-55.45	-52.66	-1.64	-1.15	-13.00	-42.45
167.74	-58.55	-56.74	-0.55	-1.26	-13.00	-45.55
202.66	-58.80	-61.78	4.42	-1.44	-13.00	-45.80
390.84	-60.21	-62.55	4.39	-2.05	-13.00	-47.21
418.00	-58.20	-60.60	4.28	-1.88	-13.00	-45.20
500.45	-62.32	-64.16	4.25	-2.41	-13.00	-49.32
1415.00	-58.36	-62.22	7.72	-3.86	-13.00	-45.36
2122.50	-57.63	-62.46	9.63	-4.80	-13.00	-44.63

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

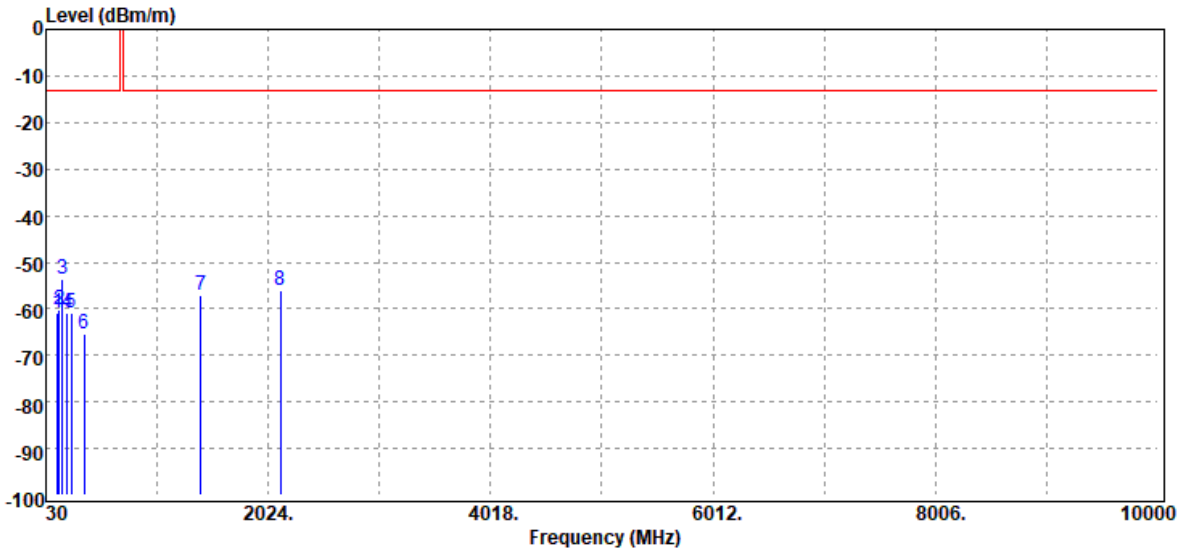
Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-06-07
Test Mode	:Tx CH High	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:VERTICAL
Test Frequency	:711 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
133.79	-61.76	-58.48	-2.05	-1.23	-13.00	-48.76
175.50	-60.87	-60.01	0.47	-1.33	-13.00	-47.87
255.04	-64.94	-67.63	4.31	-1.62	-13.00	-51.94
306.45	-65.51	-67.99	4.25	-1.77	-13.00	-52.51
500.45	-63.73	-65.57	4.25	-2.41	-13.00	-50.73
548.95	-65.17	-67.08	4.19	-2.28	-13.00	-52.17
1422.00	-57.15	-61.06	7.78	-3.87	-13.00	-44.15
2133.00	-56.21	-60.90	9.50	-4.81	-13.00	-43.21

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

Report Number	:ER/2021/50150	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-06-07
Test Mode	:Tx CH High	Temp./Humi.	: 26.8/62
EUT Pol	:H Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:711 MHz	Engineer	:GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
133.79	-60.94	-57.66	-2.05	-1.23	-13.00	-47.94
149.31	-60.30	-57.51	-1.64	-1.15	-13.00	-47.30
175.50	-53.68	-52.82	0.47	-1.33	-13.00	-40.68
221.09	-60.91	-64.45	5.03	-1.49	-13.00	-47.91
255.04	-61.02	-63.71	4.31	-1.62	-13.00	-48.02
372.41	-65.53	-67.89	4.35	-1.99	-13.00	-52.53
1422.00	-57.12	-61.03	7.78	-3.87	-13.00	-44.12
2133.00	-56.13	-60.82	9.50	-4.81	-13.00	-43.13

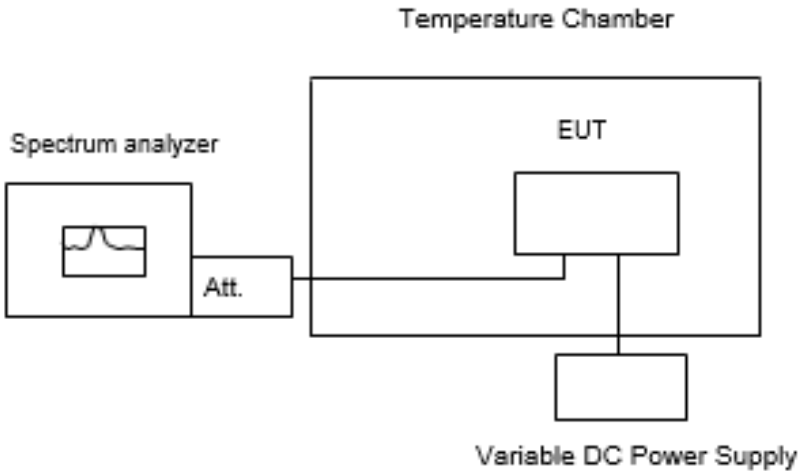
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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*

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, the temperature of +60°C was requested by product spec.

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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 Test Site: Conducted 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/27/2021	04/26/2022
Temperature Chamber	Giant Force	GTH-150-40-CP-AR	MAA0512-018	05/19/2021	05/18/2022
Radio Communication Analyer	Anritsu	MT8820C	6201465317	02/24/2021	02/23/2022
DC Power Supply	Agilent	E3640A	MY52410006	12/17/2020	12/16/2021
Attenuator	Mini-Circuit	BW-S10W2+	2	12/16/2020	12/15/2021
DC Block	Mini-Circuits	BLK-18-S+	1	12/16/2020	12/15/2021
Power Divider	RF-LAMBAD	RFLT2W1G18G	11-JSPF412-018	12/16/2020	12/15/2021

10.5 Measurement Result

Note: *The battery is rated 12V dc.*
The temperature of +60°C was requested by product spec.

Reference Freq.:	LTE B2 Mid Channel	1880	MHz 10M QPSK CH 18900	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
13.2	25	1880.000001	1	4700
12	25	1879.999990	-10	4700
10.8	25	1880.000006	6	4700
5.95 (End Point)	25	1879.999998	-2	4700
Freq. ERROR vs. Temp.				
12	-30	1880.000009	9	4700
12	-20	1880.000003	3	4700
12	-10	1880.000009	9	4700
12	0	1880.000010	10	4700
12	10	1880.000001	1	4700
12	20	1880.000000	0	4700
12	30	1879.999998	-2	4700
12	40	1880.000000	0	4700
12	50	1880.000010	10	4700
12	60	1879.999988	-12	4700

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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 B4 Mid Channel	1732.5	MHz 10M QPSK CH 20175	
Power Supply Vdc	Temp. (℃)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
Freq. ERROR vs. VOLTAGE				
13.2	25	1732.499995	-5	4331
12	25	1732.499989	-11	4331
10.8	25	1732.500005	5	4331
5.95 (End Point)	25	1732.500007	7	4331
Freq. ERROR vs. Temp.				
12	-30	1732.500001	1	4331
12	-20	1732.500007	7	4331
12	-10	1732.500009	9	4331
12	0	1732.500010	10	4331
12	10	1732.500002	2	4331
12	20	1732.499991	-9	4331
12	30	1732.499994	-6	4331
12	40	1732.499995	-5	4331
12	50	1732.500009	9	4331
12	60	1732.500011	11	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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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				
13.2	25	836.500006	6	2091
12	25	836.500011	11	2091
10.8	25	836.499991	-9	2091
5.95 (End Point)	25	836.500002	2	2091
Freq. ERROR vs. Temp.				
12	-30	836.500000	0	2091
12	-20	836.500010	10	2091
12	-10	836.500003	3	2091
12	0	836.499993	-7	2091
12	10	836.499996	-4	2091
12	20	836.499989	-11	2091
12	30	836.499995	-5	2091
12	40	836.499995	-5	2091
12	50	836.500004	4	2091
12	60	836.500009	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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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 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				
13.2	25	2535.000009	9	6338
12	25	2535.000010	10	6338
10.8	25	2534.999993	-7	6338
5.95 (End Point)	25	2535.000008	8	6338
Freq. ERROR vs. Temp.				
12	-30	2534.999993	-7	6338
12	-20	2534.999994	-6	6338
12	-10	2535.000010	10	6338
12	0	2535.000000	0	6338
12	10	2534.999998	-2	6338
12	20	2535.000010	10	6338
12	30	2535.000004	4	6338
12	40	2535.000008	8	6338
12	50	2535.000009	9	6338
12	60	2534.999989	-11	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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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				
13.2	25	707.500003	3	1769
12	25	707.500005	5	1769
10.8	25	707.499995	-5	1769
5.95 (End Point)	25	707.500005	5	1769
Freq. ERROR vs. Temp.				
12	-30	707.499993	-7	1769
12	-20	707.500002	2	1769
12	-10	707.500003	3	1769
12	0	707.500010	10	1769
12	10	707.499991	-9	1769
12	20	707.499992	-8	1769
12	30	707.499992	-8	1769
12	40	707.500010	10	1769
12	50	707.500006	6	1769
12	60	707.499993	-7	1769

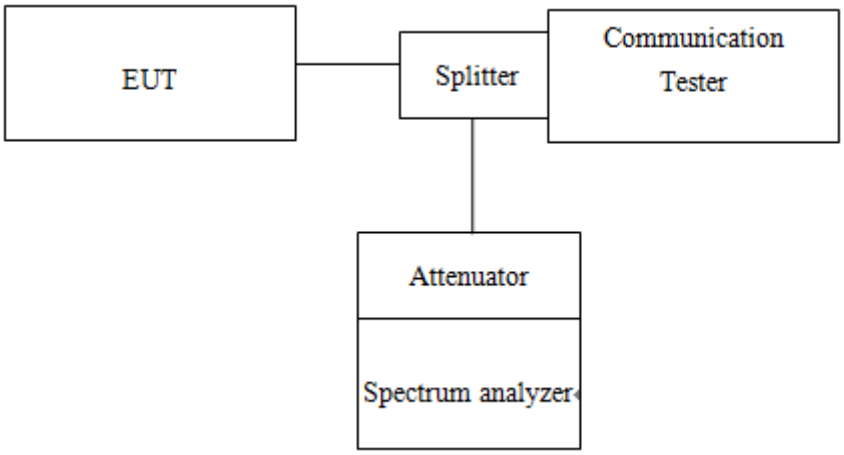
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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 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 Test Site: Conducted 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/27/2021	04/26/2022
Temperature Chamber	Giant Force	GTH-150-40-CP-AR	MAA0512-018	05/19/2021	05/18/2022
Radio Communication Analyer	Anritsu	MT8820C	6201465317	02/24/2021	02/23/2022
DC Power Supply	Agilent	E3640A	MY52410006	12/17/2020	12/16/2021
Attenuator	Mini-Circuit	BW-S10W2+	2	12/16/2020	12/15/2021
DC Block	Mini-Circuits	BLK-18-S+	1	12/16/2020	12/15/2021
Power Divider	RF-LAMBAD	RFLT2W1G18G	11-JSPF412-018	12/16/2020	12/15/2021

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	18607	6.12	13	1851.5	18615	6.12	13
1880.0	18900	6.30	13	1880.0	18900	6.04	13
1909.3	19193	5.62	13	1908.5	19185	5.77	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	18625	6.12	13	1855.0	18650	5.92	13
1880.0	18900	5.81	13	1880.0	18900	6.12	13
1907.5	19175	5.86	13	1905.0	19150	5.93	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	18675	6.32	13	1860.0	18700	7.33	13
1880.0	18900	6.32	13	1880.0	18900	6.94	13
1902.5	19125	6.27	13	1900.0	19100	7.07	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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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)	
		16QAM	Limit			16QAM	Limit
1710.7	19957	5.87	13	1711.5	19965	5.95	13
1732.5	20175	6.12	13	1732.5	20175	6.13	13
1754.3	20393	6.00	13	1753.5	20385	6.06	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	19957		13	1715.0	20000	5.87	13
1732.5	20175	6.03	13	1732.5	20175	5.95	13
1752.5	20375	5.96	13	1750.0	20350	6.05	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1717.5	20025	6.46	13	1720.0	20050	6.86	13
1732.5	20175	6.72	13	1732.5	20175	6.84	13
1747.5	20325	6.44	13	1745.0	20300	7.16	13

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
824.7	20407	6.22	13	825.5	20415	6.30	13
836.5	20525	6.53	13	836.5	20525	6.29	13
848.3	20643	6.45	13	847.5	20635	6.28	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
826.5	20425	5.08	13	829.0	20450	6.34	13
836.5	20525	5.28	13	836.5	20525	6.44	13
846.5	20625	5.39	13	844.0	20600	6.38	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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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)	
		16QAM	Limit			16QAM	Limit
2502.5	20775	5.87	13	2505.0	20800	5.81	13
2535.0	21100	5.71	13	2535.0	21100	5.67	13
2567.5	21375	5.73	13	2565.0	21350	5.82	13

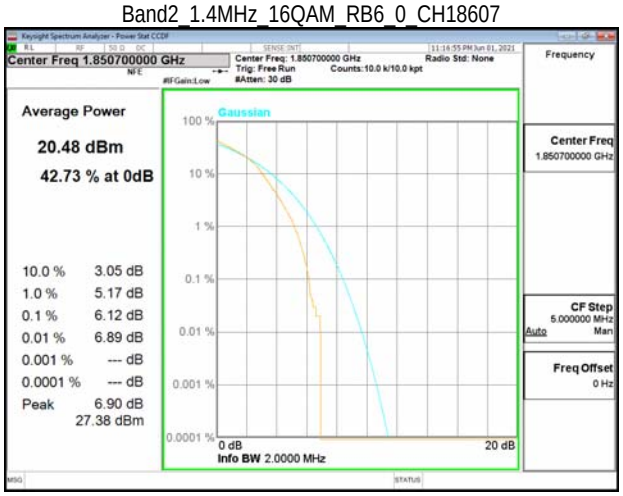
LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2507.5	20825	6.45	13	2510	20850	6.80	13
2535.0	21100	6.16	13	2535	21100	6.55	13
2562.5	21375	6.22	13	2560	21350	7.10	13

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
699.7	23017	6.22	13	700.5	23025	6.43	13
707.5	23095	6.48	13	707.5	23095	6.39	13
715.3	23173	6.42	13	714.5	23165	6.30	13

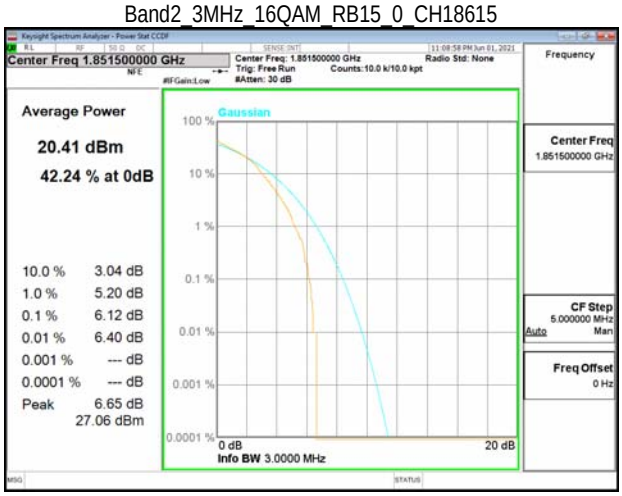
LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
701.5	23035	6.24	13	704.0	23060	5.93	13
707.5	23095	6.12	13	707.5	23095	6.27	13
713.5	23155	6.44	13	711.0	23130	6.37	13

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

Band2_1.4MHz_16QAM_RB6_0_CH18607

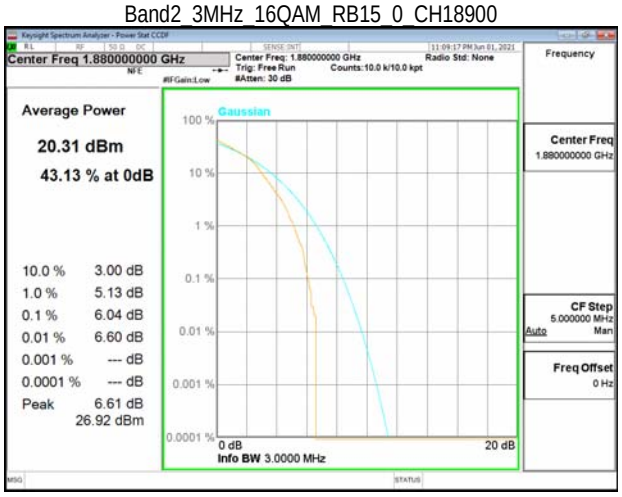


Band2_3MHz_16QAM_RB15_0_CH18615

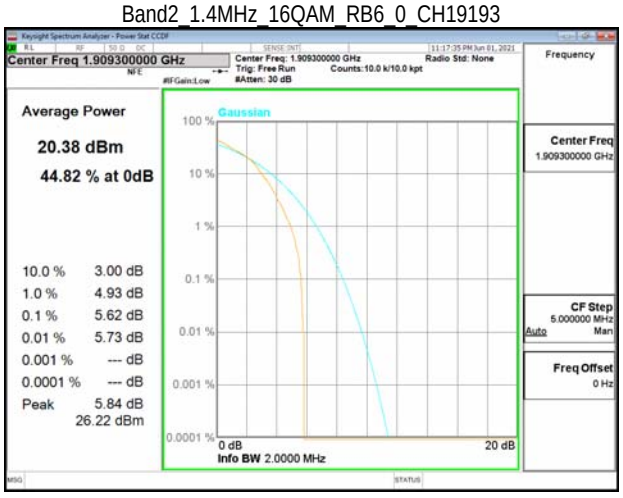


Band2_1.4MHz_16QAM_RB6_0_CH18900

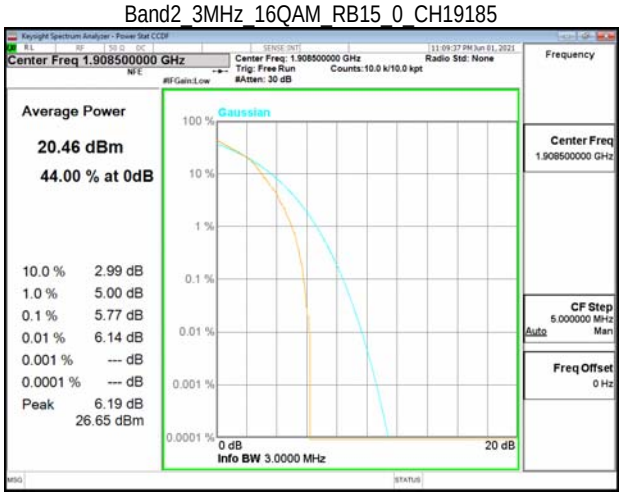
Band2_3MHz_16QAM_RB15_0_CH18900



Band2_1.4MHz_16QAM_RB6_0_CH19193

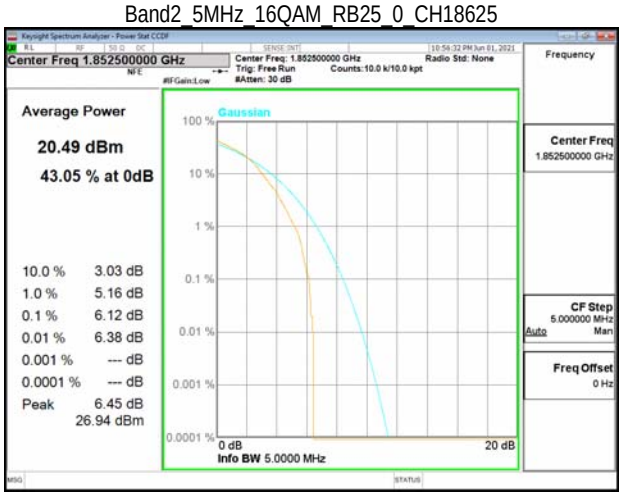


Band2_3MHz_16QAM_RB15_0_CH19185

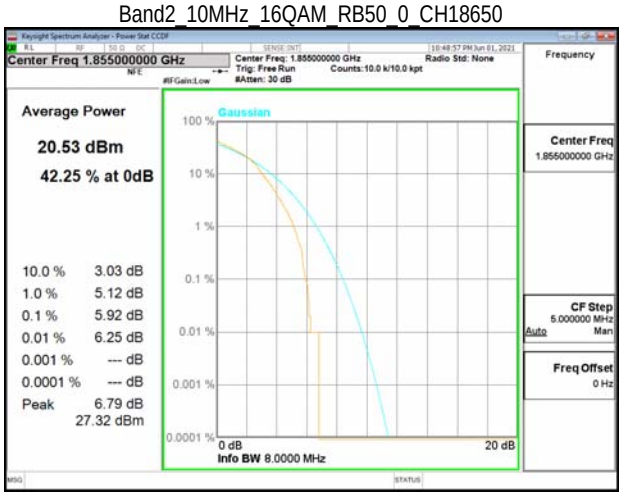


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

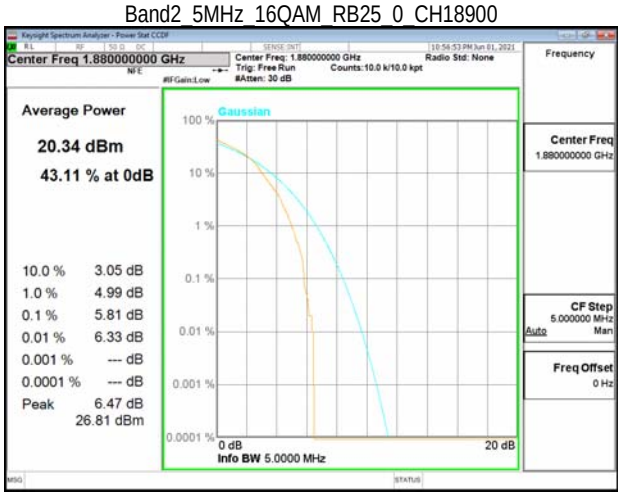
Band2_5MHz_16QAM_RB25_0_CH18625



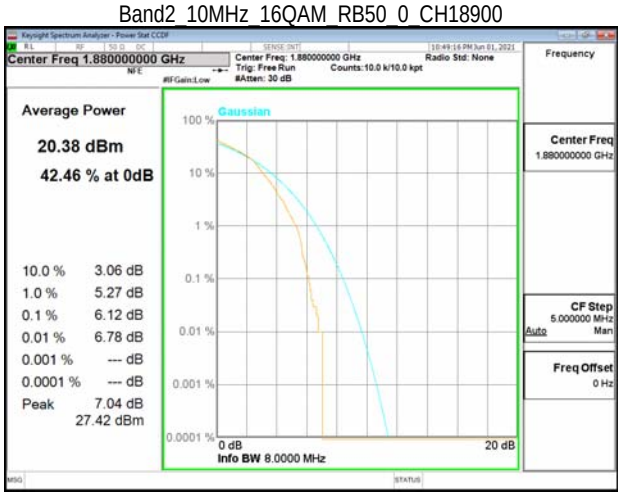
Band2_10MHz_16QAM_RB50_0_CH18650



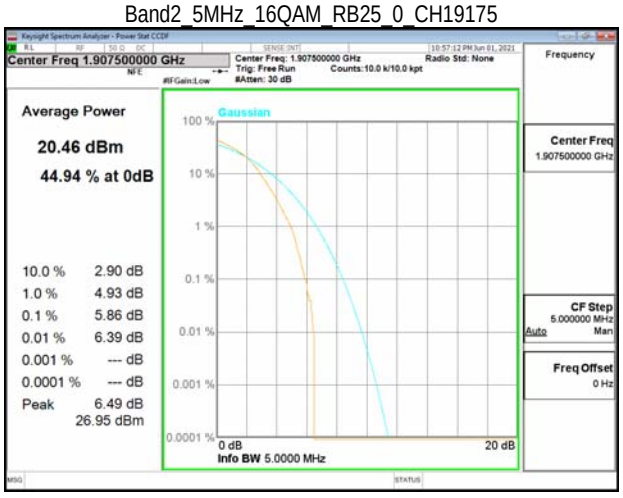
Band2_5MHz_16QAM_RB25_0_CH18900



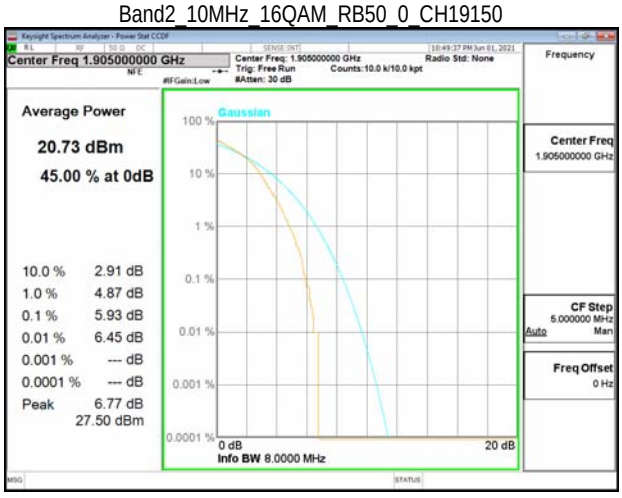
Band2_10MHz_16QAM_RB50_0_CH18900



Band2_5MHz_16QAM_RB25_0_CH19175

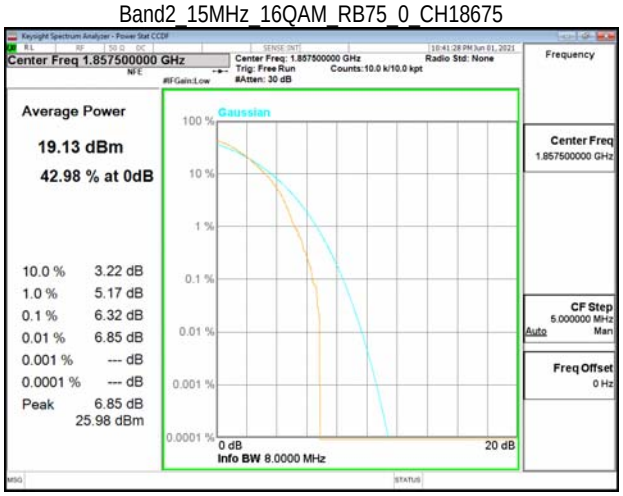


Band2_10MHz_16QAM_RB50_0_CH19150

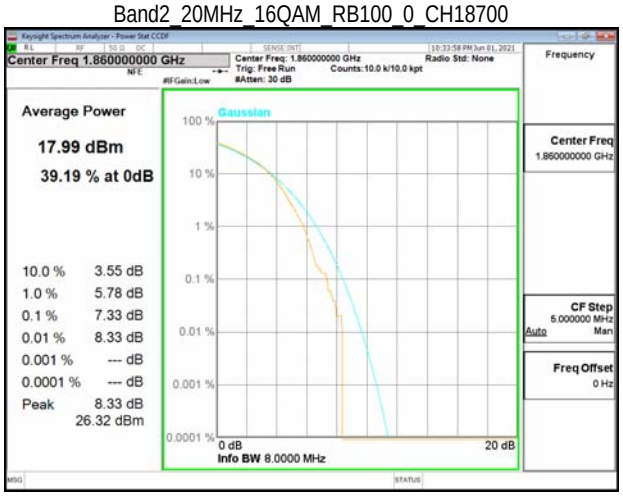


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

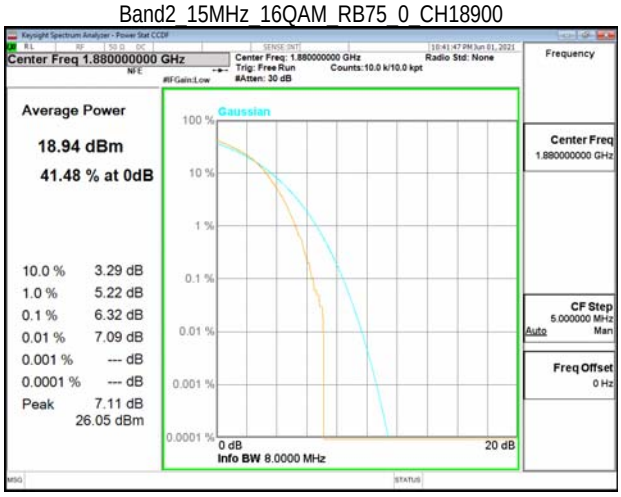
Band2_15MHz_16QAM_RB75_0_CH18675



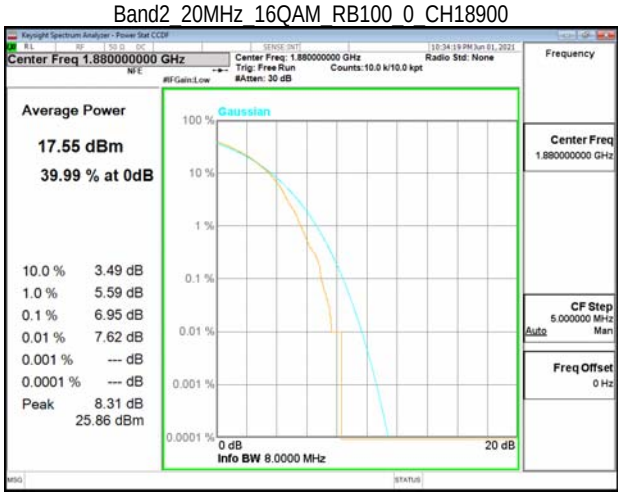
Band2_20MHz_16QAM_RB100_0_CH18700



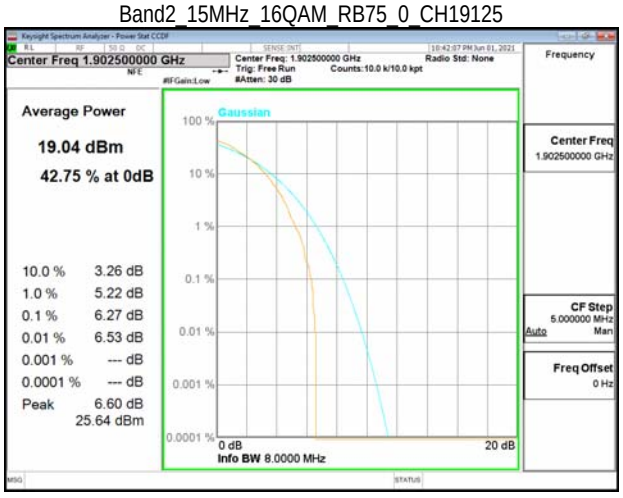
Band2_15MHz_16QAM_RB75_0_CH18900



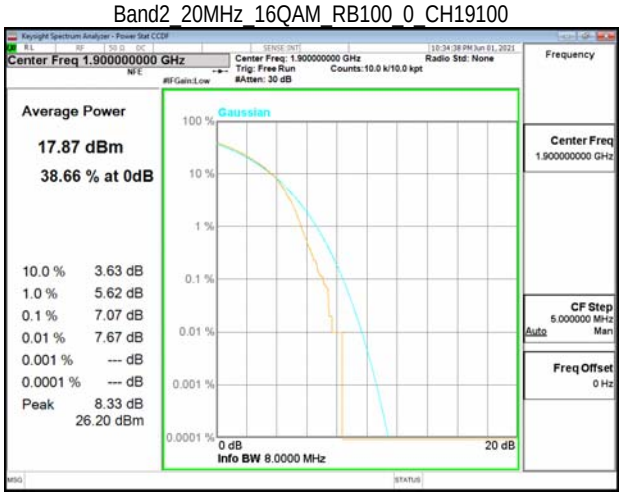
Band2_20MHz_16QAM_RB100_0_CH18900



Band2_15MHz_16QAM_RB75_0_CH19125

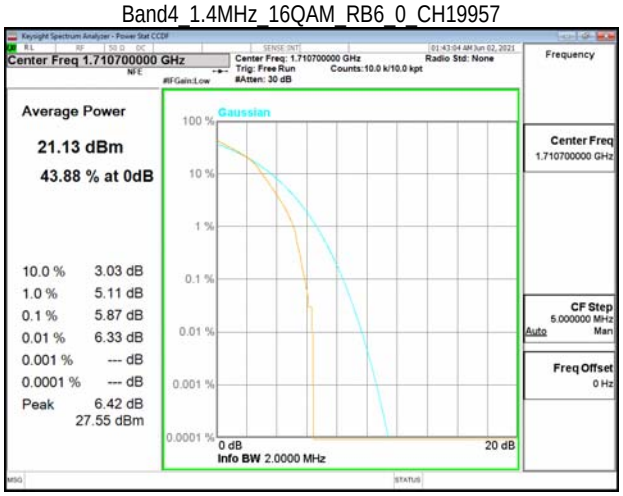


Band2_20MHz_16QAM_RB100_0_CH19100

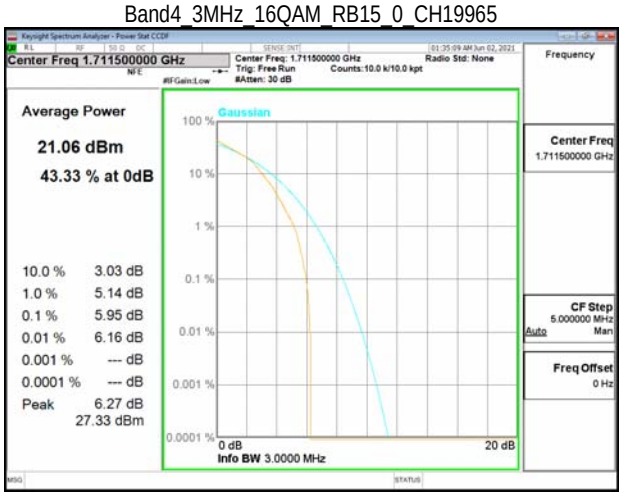


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

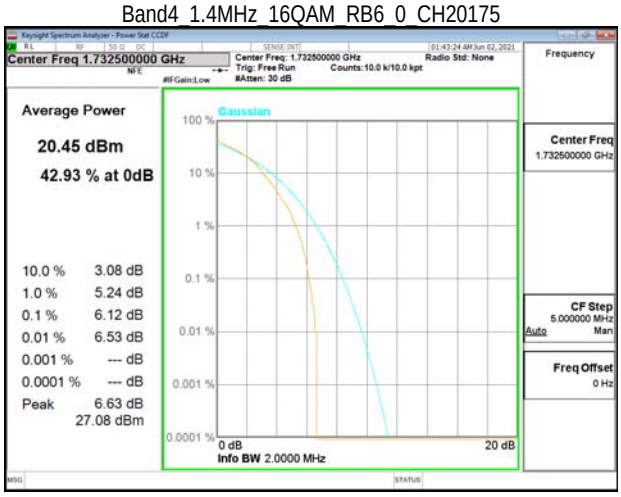
Band4_1.4MHz_16QAM_RB6_0_CH19957



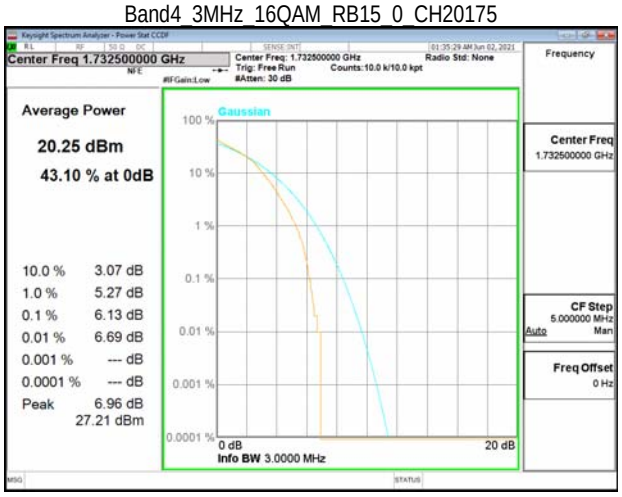
Band4_3MHz_16QAM_RB15_0_CH19965



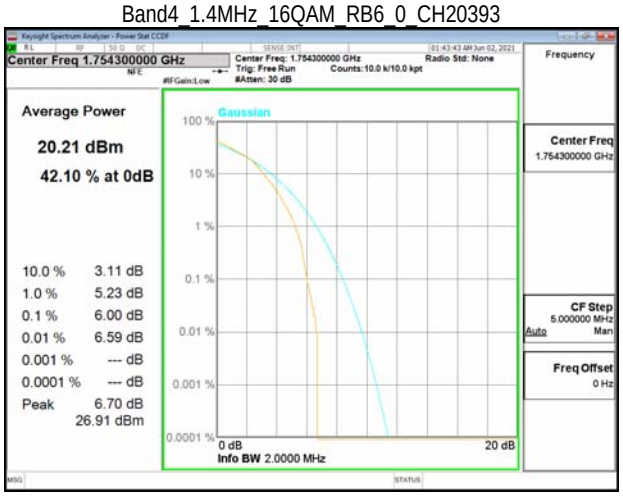
Band4_1.4MHz_16QAM_RB6_0_CH20175



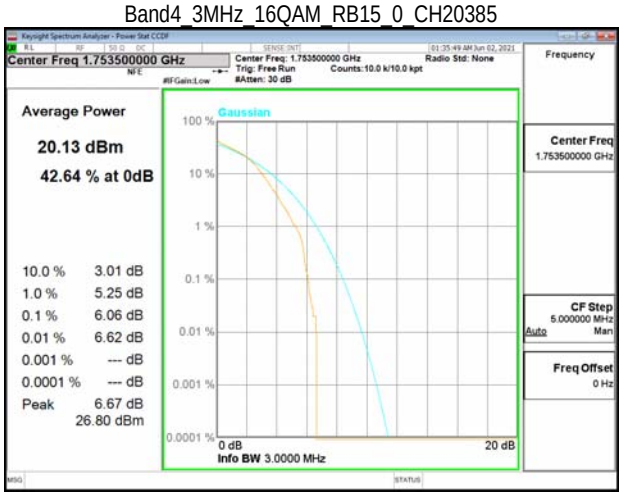
Band4_3MHz_16QAM_RB15_0_CH20175



Band4_1.4MHz_16QAM_RB6_0_CH20393

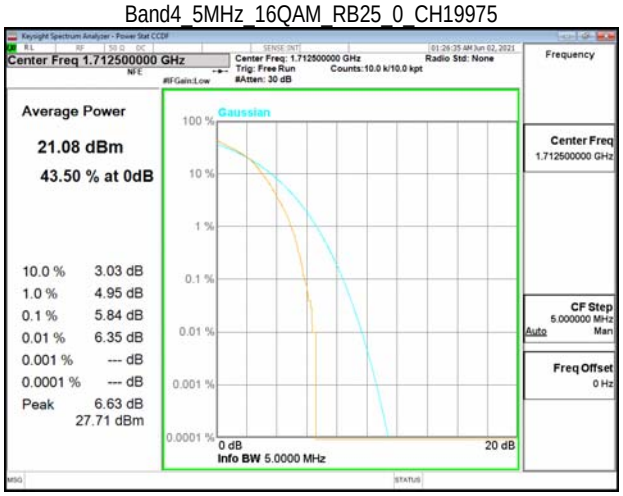


Band4_3MHz_16QAM_RB15_0_CH20385

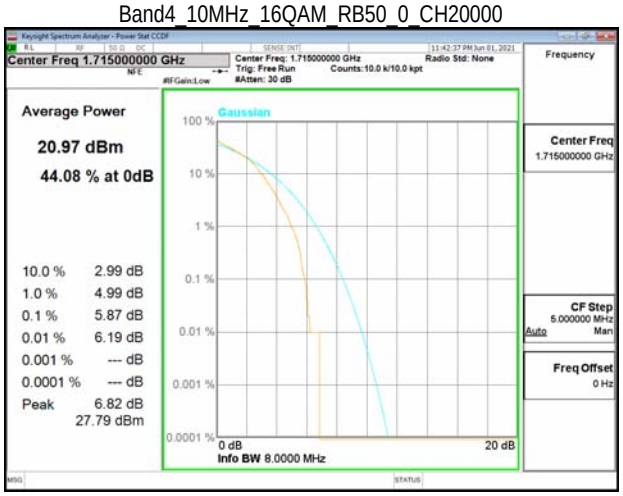


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

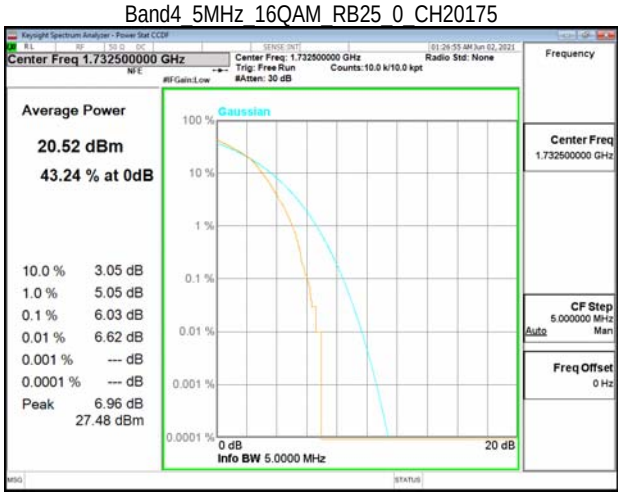
Band4_5MHz_16QAM_RB25_0_CH19975



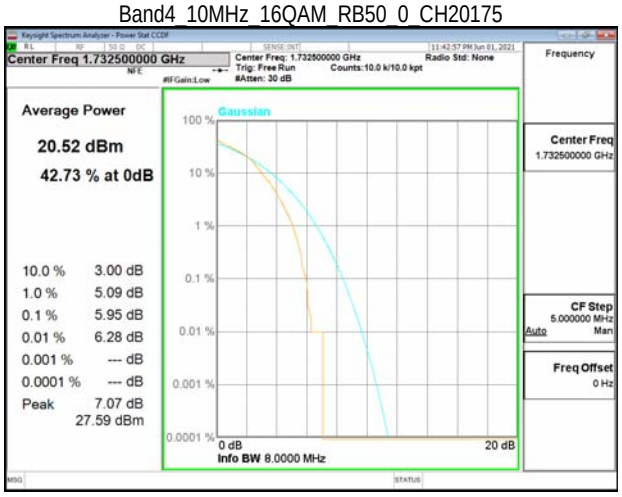
Band4_10MHz_16QAM_RB50_0_CH20000



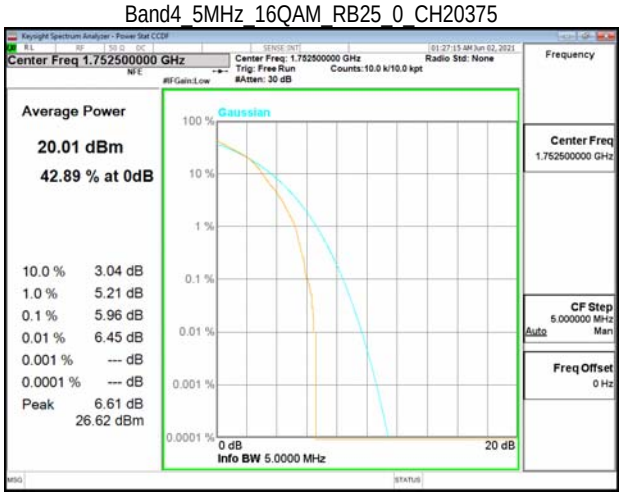
Band4_5MHz_16QAM_RB25_0_CH20175



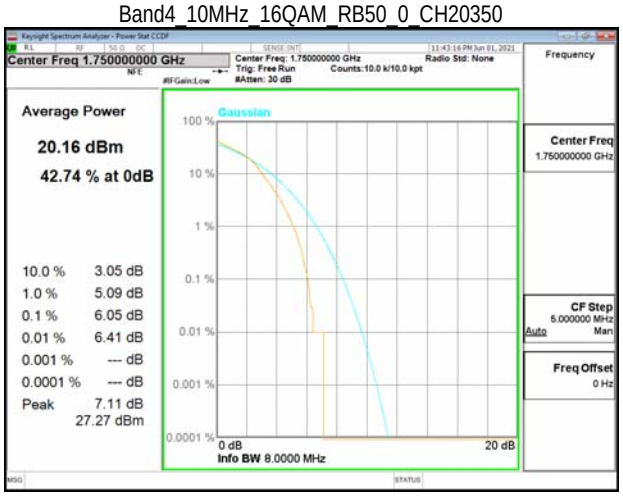
Band4_10MHz_16QAM_RB50_0_CH20175



Band4_5MHz_16QAM_RB25_0_CH20375

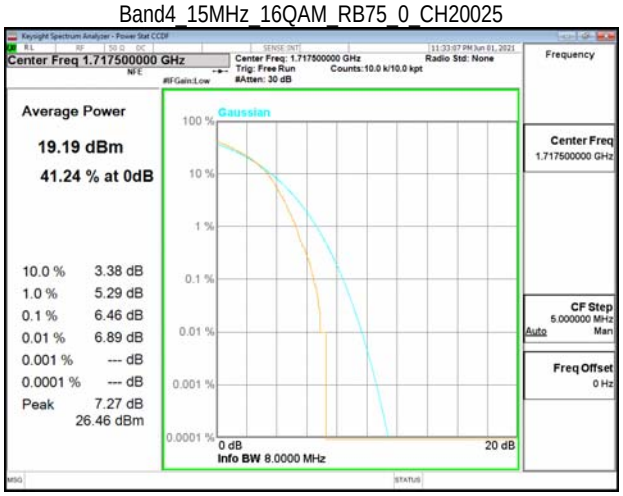


Band4_10MHz_16QAM_RB50_0_CH20350

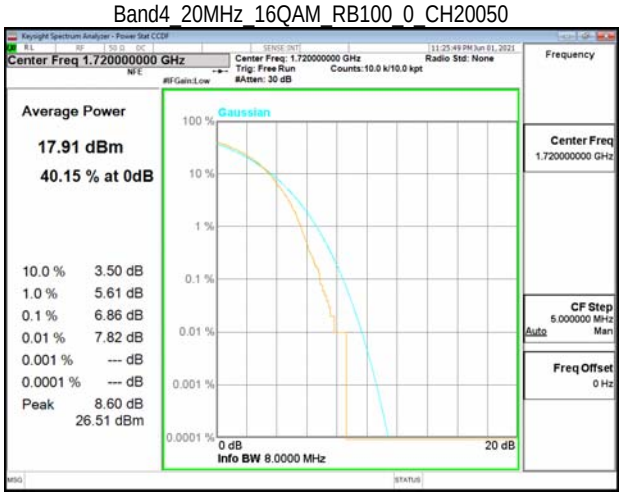


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

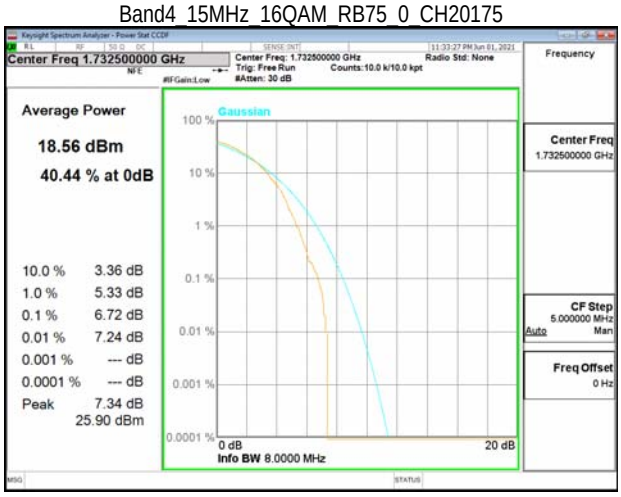
Band4_15MHz_16QAM_RB75_0_CH20025



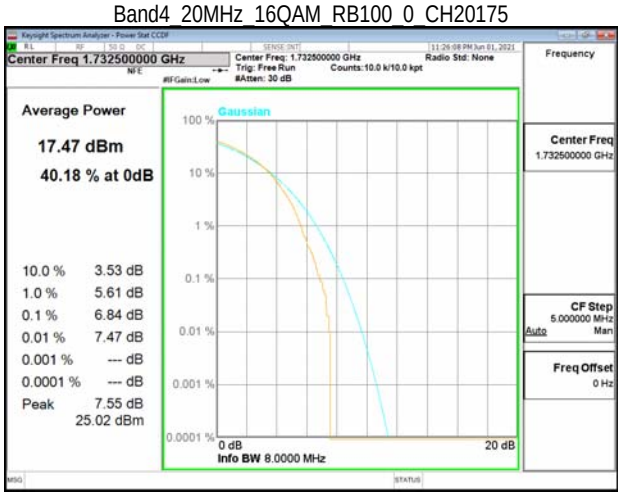
Band4_20MHz_16QAM_RB100_0_CH20050



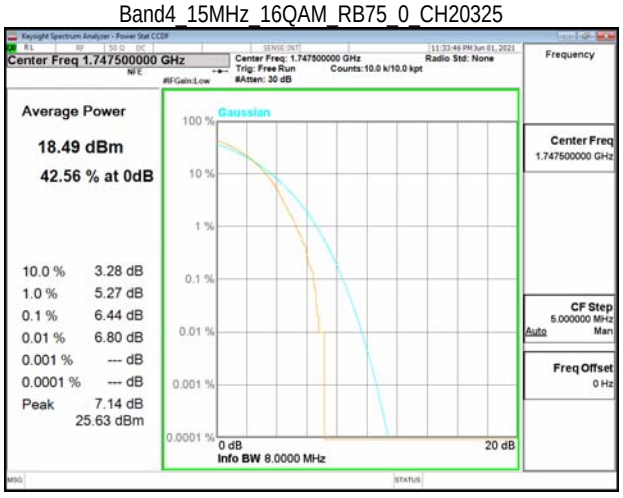
Band4_15MHz_16QAM_RB75_0_CH20175



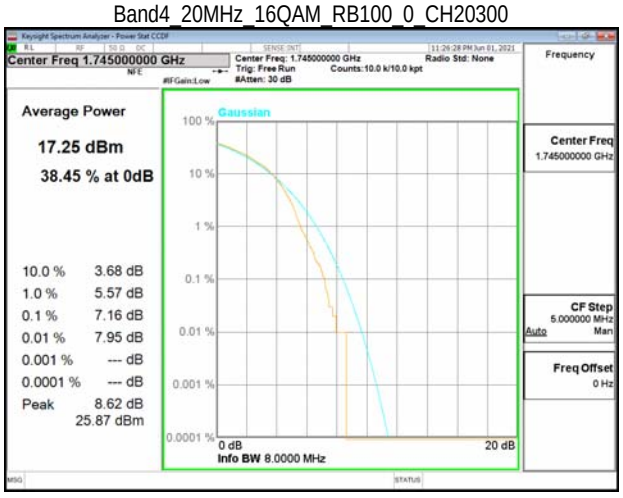
Band4_20MHz_16QAM_RB100_0_CH20175



Band4_15MHz_16QAM_RB75_0_CH20325

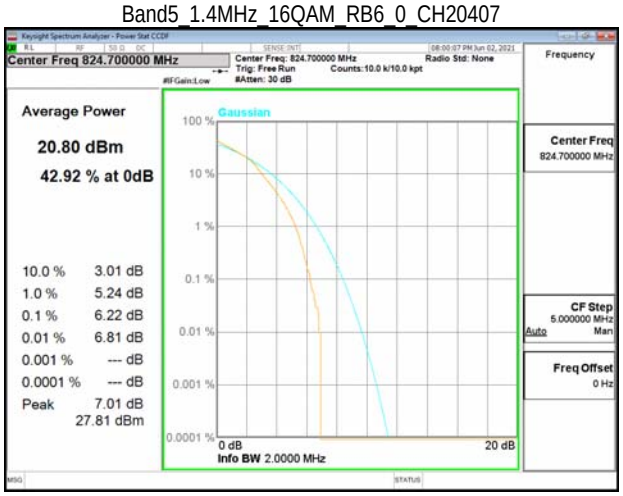


Band4_20MHz_16QAM_RB100_0_CH20300

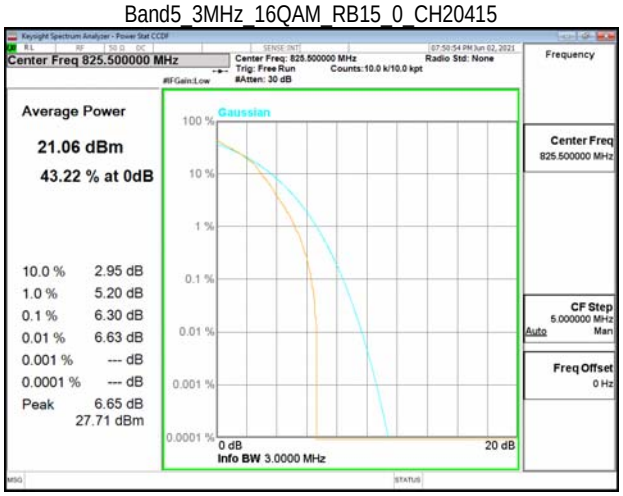


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

Band5_1.4MHz_16QAM_RB6_0_CH20407

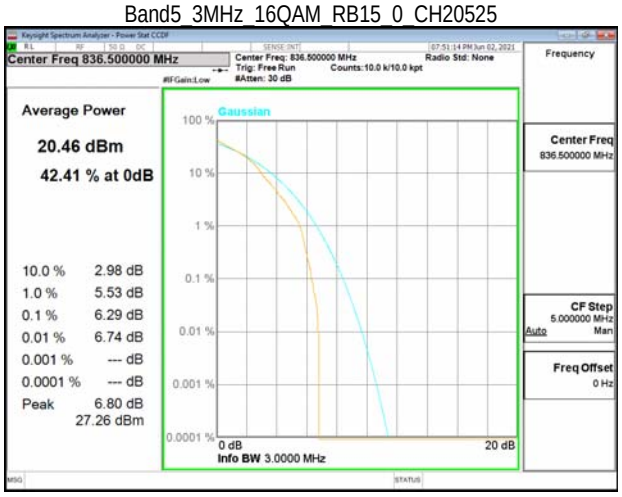


Band5_3MHz_16QAM_RB15_0_CH20415

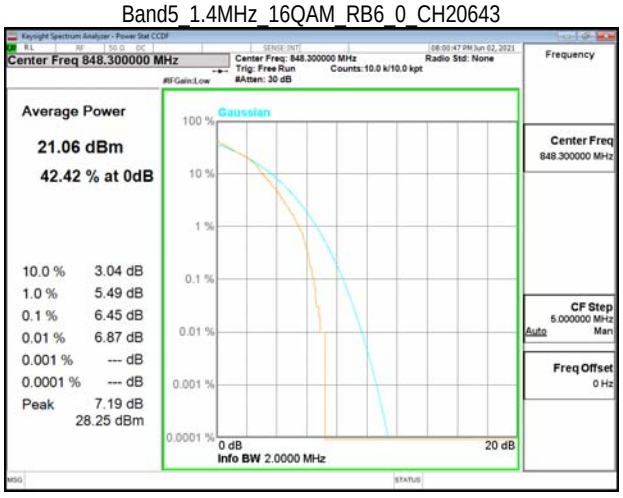


Band5_1.4MHz_16QAM_RB6_0_CH20525

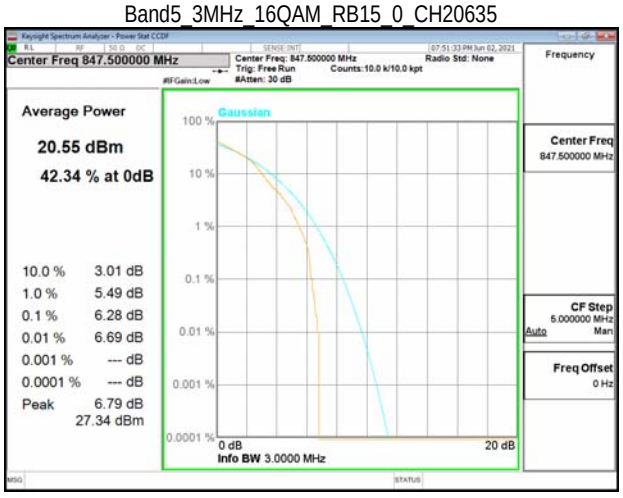
Band5_3MHz_16QAM_RB15_0_CH20525



Band5_1.4MHz_16QAM_RB6_0_CH20643

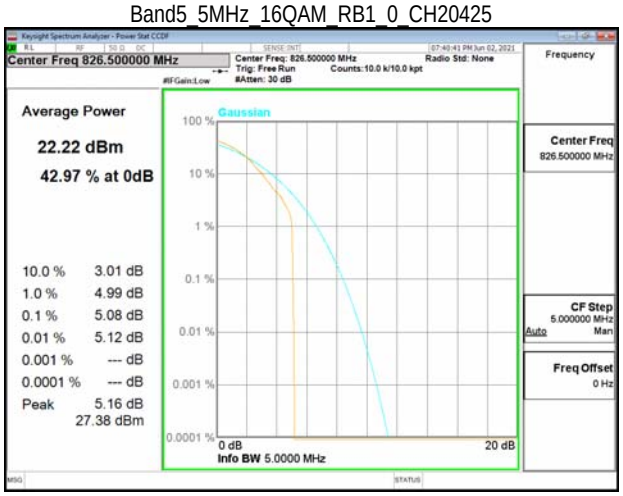


Band5_3MHz_16QAM_RB15_0_CH20635

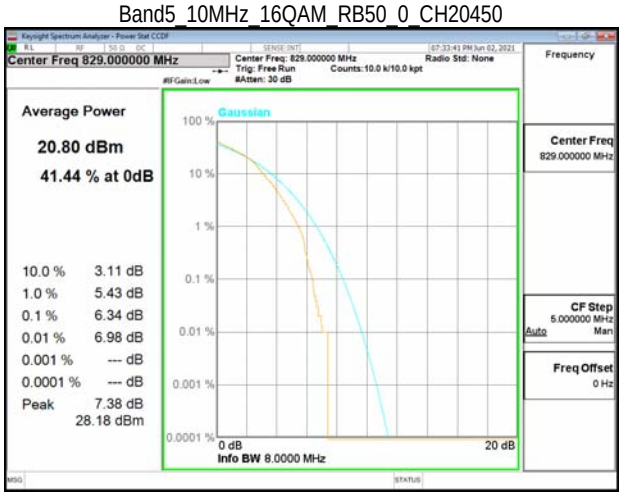


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

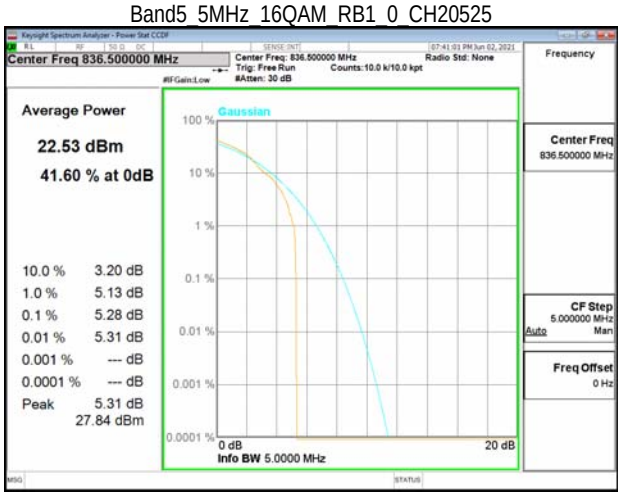
Band5_5MHz_16QAM_RB1_0_CH20425



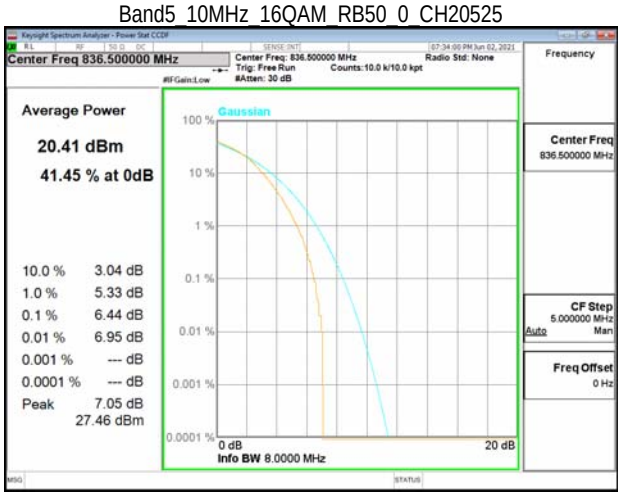
Band5_10MHz_16QAM_RB50_0_CH20450



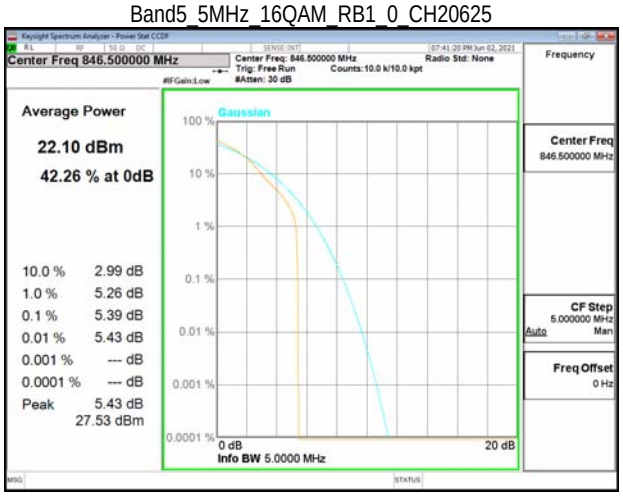
Band5_5MHz_16QAM_RB1_0_CH20525



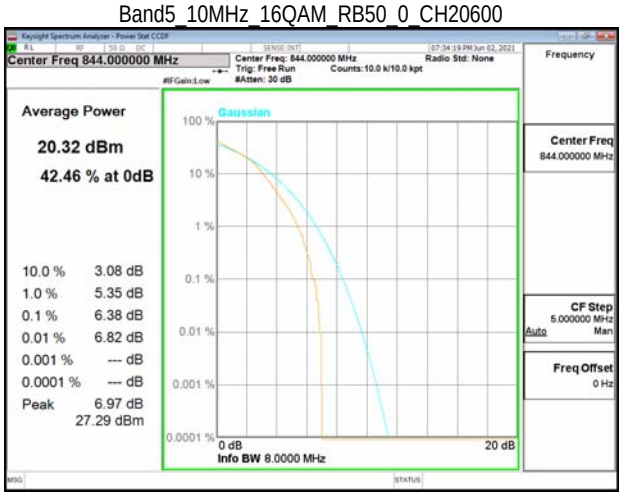
Band5_10MHz_16QAM_RB50_0_CH20525



Band5_5MHz_16QAM_RB1_0_CH20625

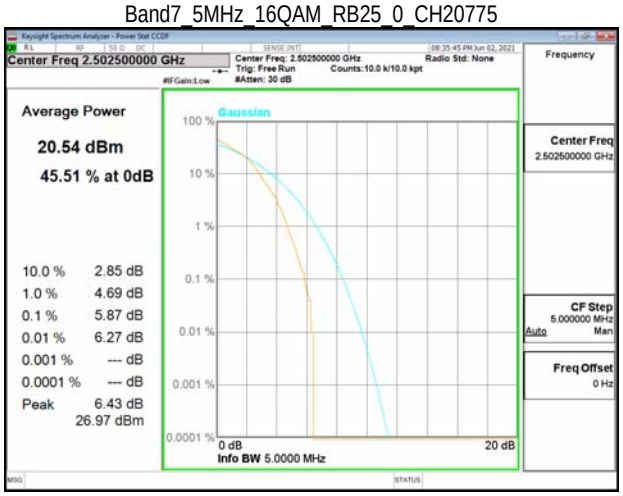


Band5_10MHz_16QAM_RB50_0_CH20600

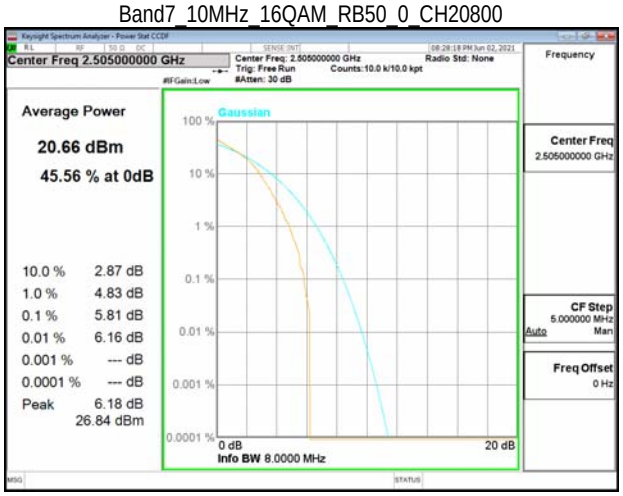


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

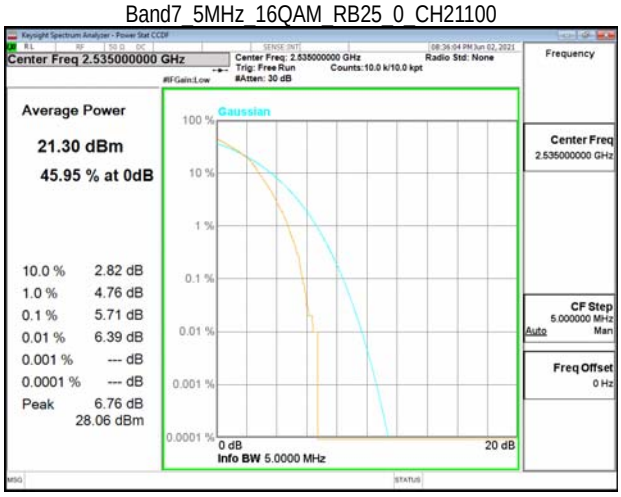
Band7_5MHz_16QAM_RB25_0_CH20775



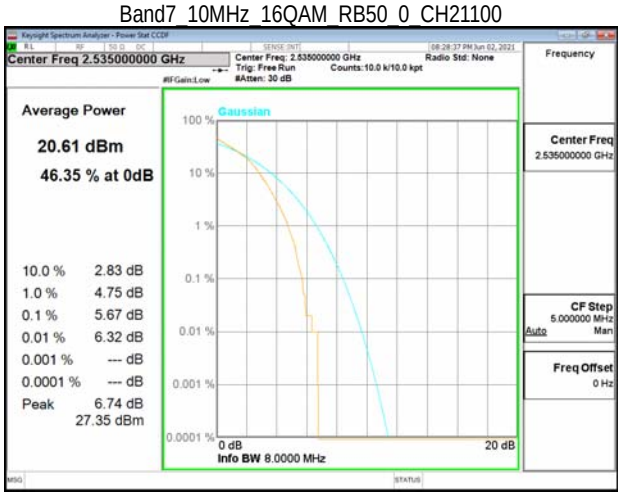
Band7_10MHz_16QAM_RB50_0_CH20800



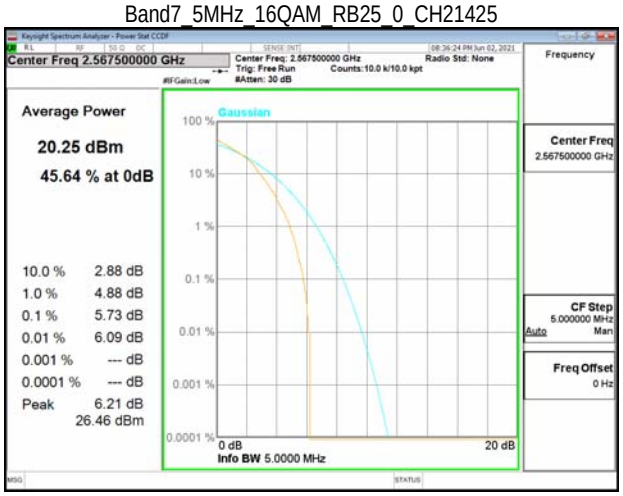
Band7_5MHz_16QAM_RB25_0_CH21100



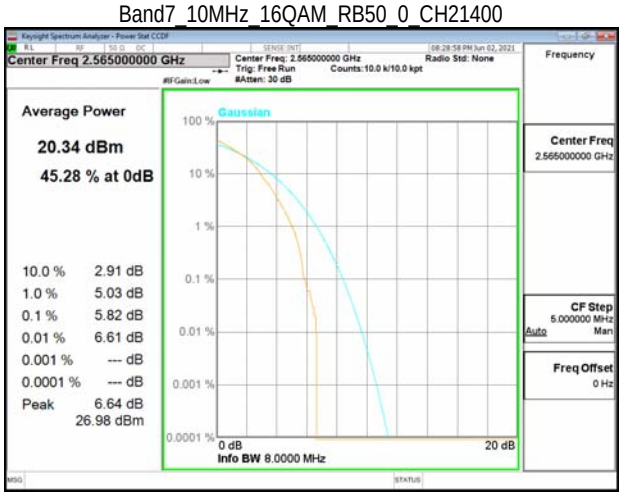
Band7_10MHz_16QAM_RB50_0_CH21100



Band7_5MHz_16QAM_RB25_0_CH21425

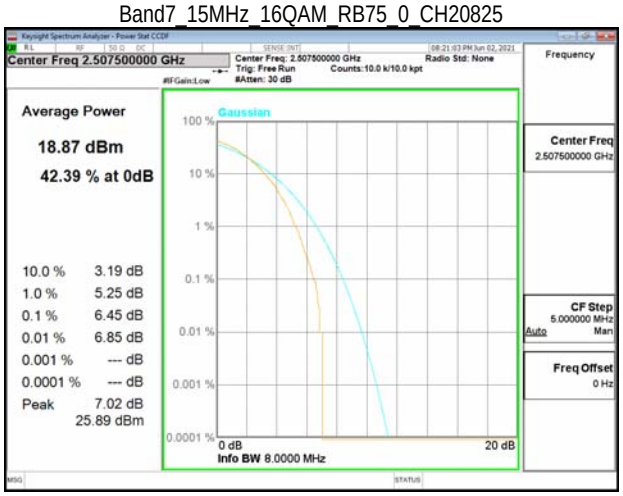


Band7_10MHz_16QAM_RB50_0_CH21400

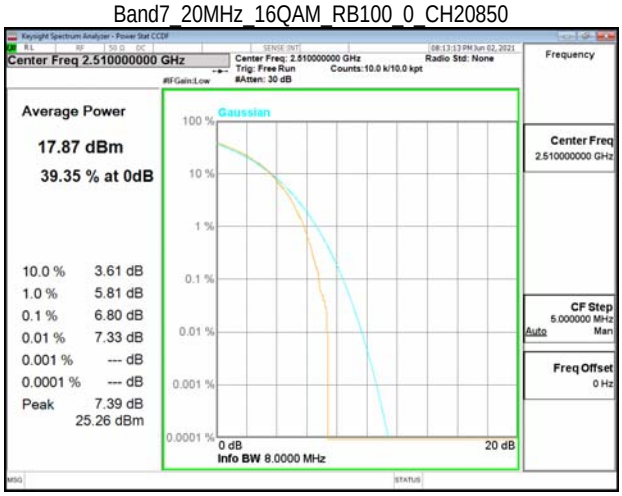


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

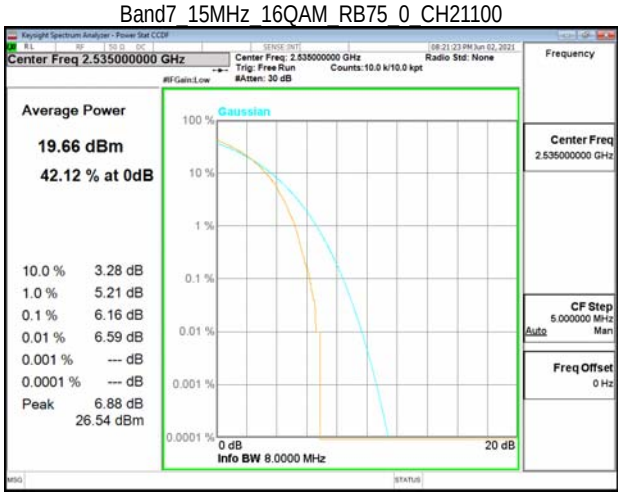
Band7_15MHz_16QAM_RB75_0_CH20825



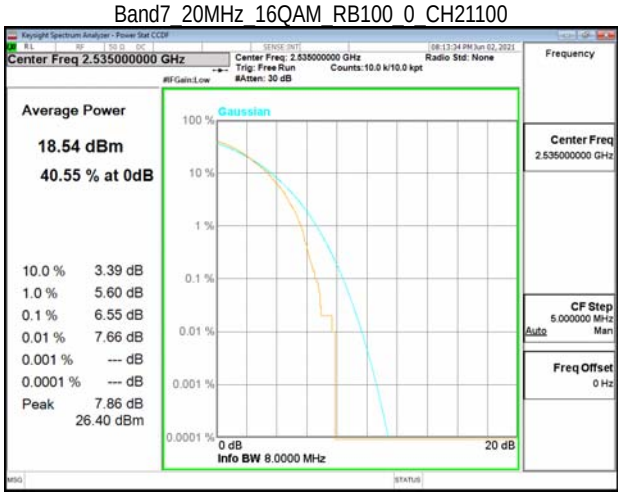
Band7_20MHz_16QAM_RB100_0_CH20850



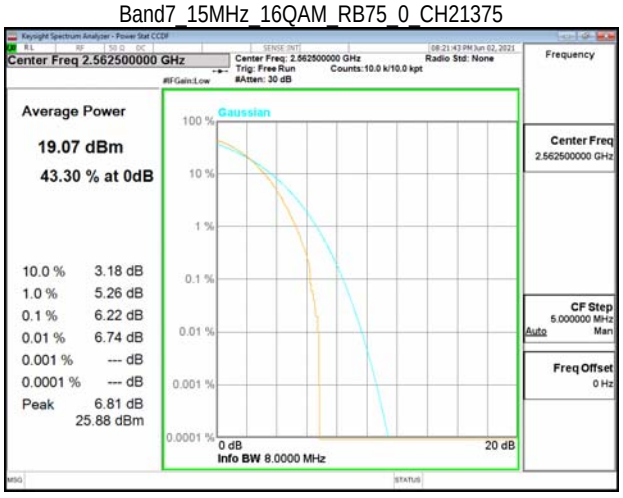
Band7_15MHz_16QAM_RB75_0_CH21100



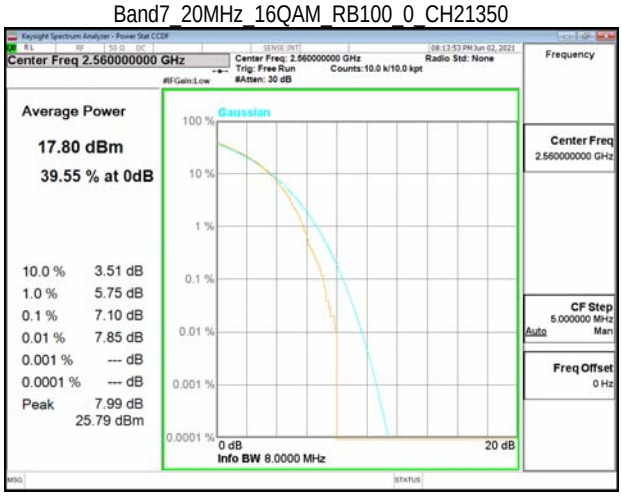
Band7_20MHz_16QAM_RB100_0_CH21100



Band7_15MHz_16QAM_RB75_0_CH21375

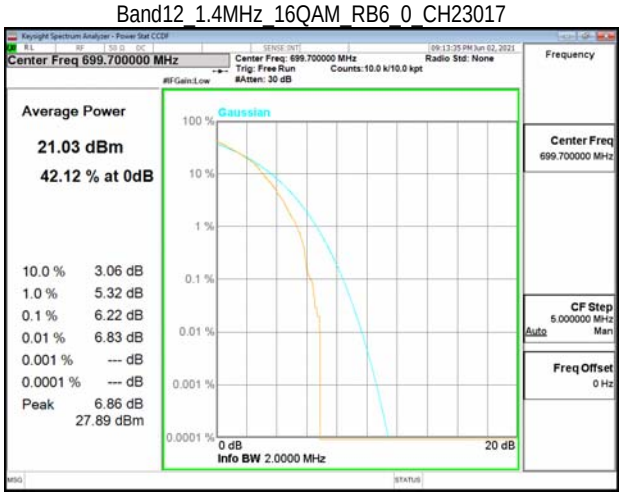


Band7_20MHz_16QAM_RB100_0_CH21350

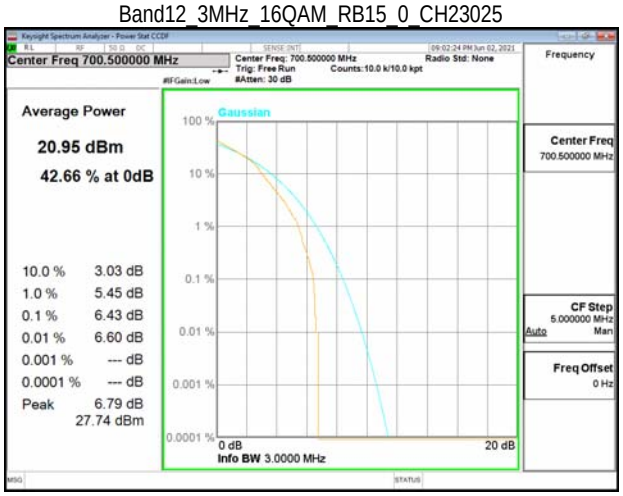


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

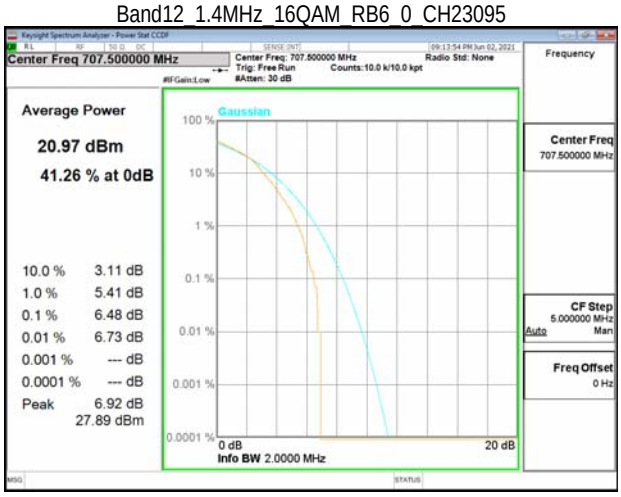
Band12_1.4MHz_16QAM_RB6_0_CH23017



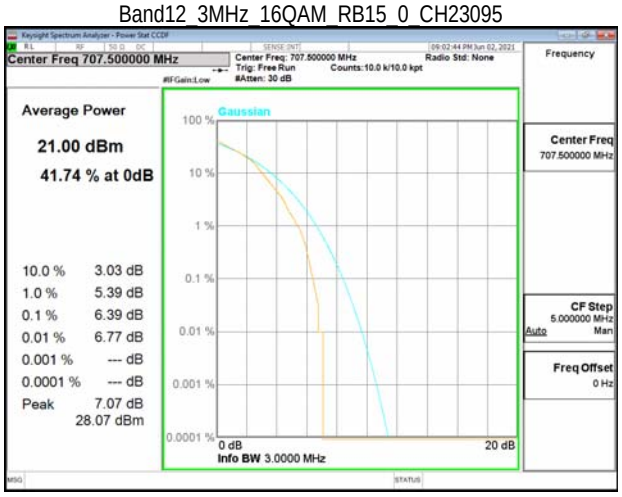
Band12_3MHz_16QAM_RB15_0_CH23025



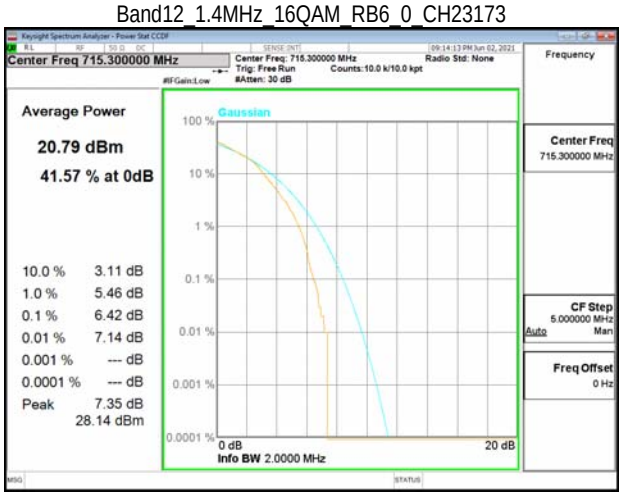
Band12_1.4MHz_16QAM_RB6_0_CH23095



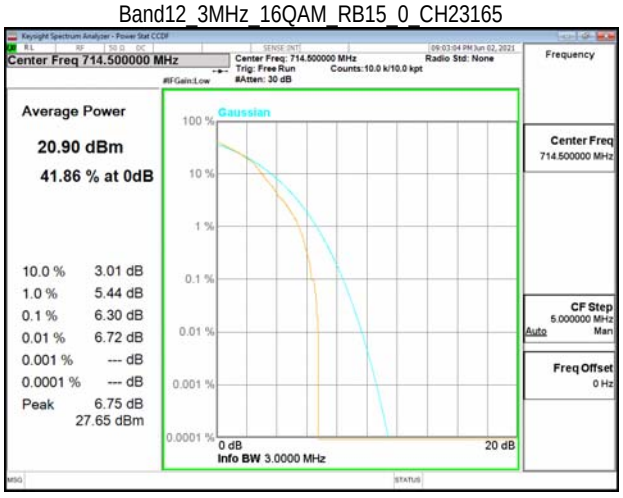
Band12_3MHz_16QAM_RB15_0_CH23095



Band12_1.4MHz_16QAM_RB6_0_CH23173

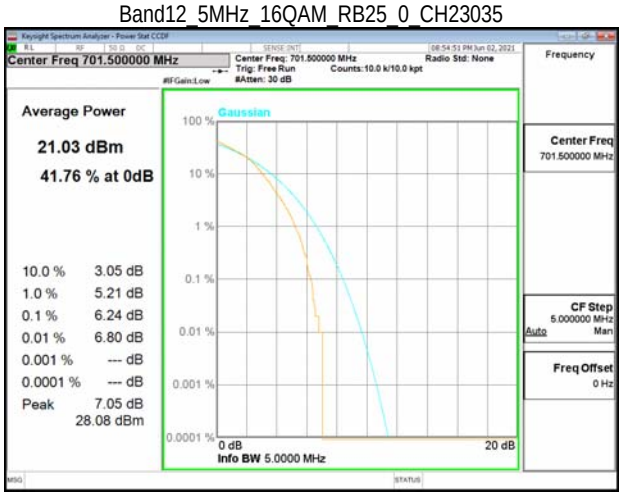


Band12_3MHz_16QAM_RB15_0_CH23165

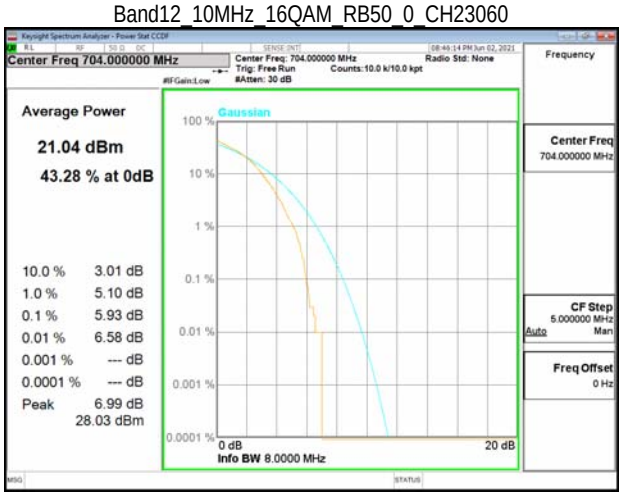


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

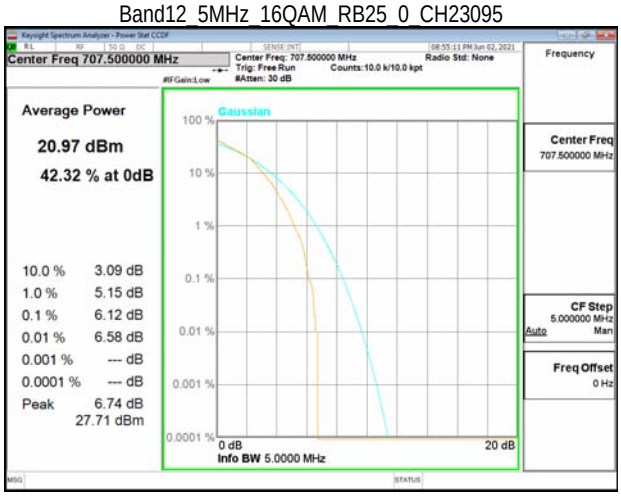
Band12_5MHz_16QAM_RB25_0_CH23035



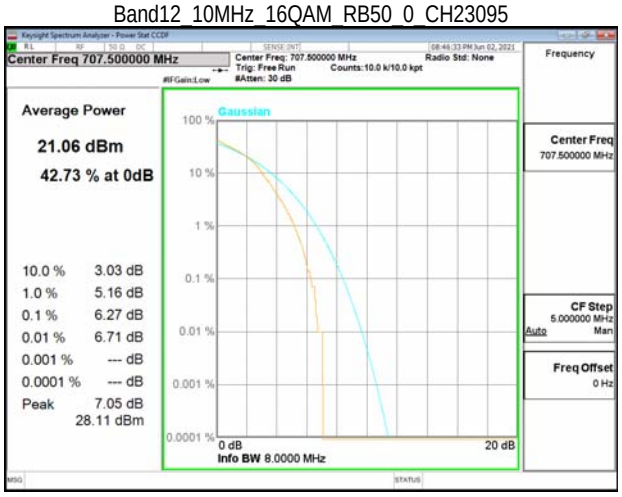
Band12_10MHz_16QAM_RB50_0_CH23060



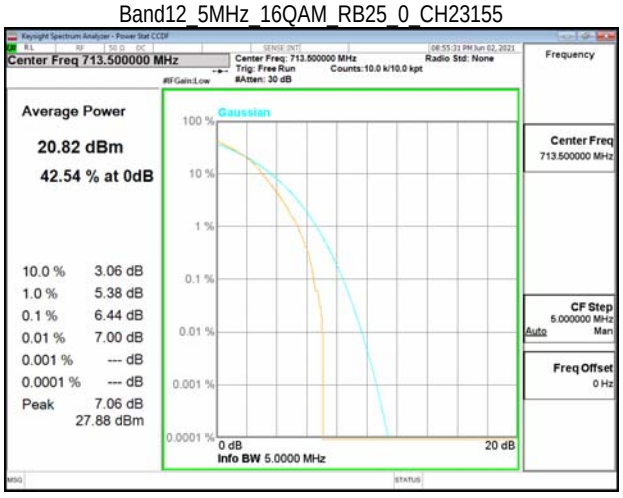
Band12_5MHz_16QAM_RB25_0_CH23095



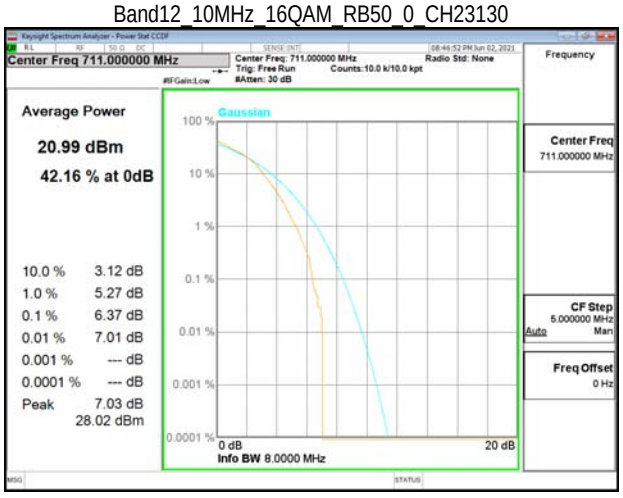
Band12_10MHz_16QAM_RB50_0_CH23095



Band12_5MHz_16QAM_RB25_0_CH23155



Band12_10MHz_16QAM_RB50_0_CH23130



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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.

~ End of Report ~

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 http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. 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.