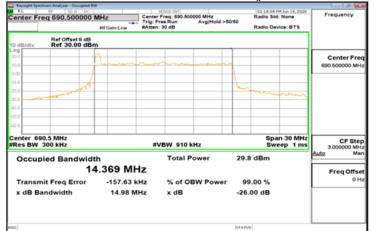
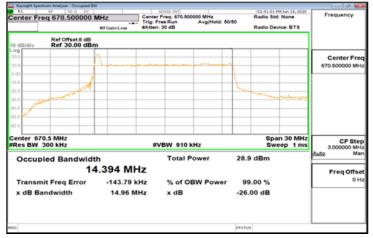
Report No.: ER/2020/30085 Page 125 of 212



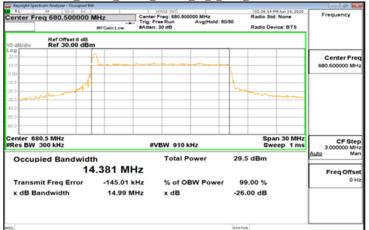
CP-OFDM_Band71_15MHz_QPSK_79_0_Main_HighCH138100-690.5



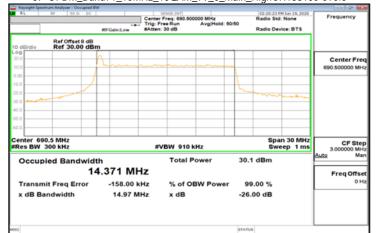
CP-OFDM_Band71_15MHz_16QAM_79_0_Main_LowCH134100-670.5



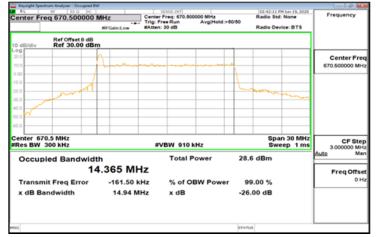
CP-OFDM_Band71_15MHz_16QAM_79_0_Main_MidCH136100-680.5



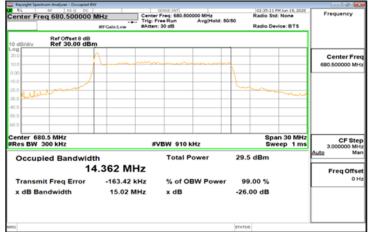
CP-OFDM_Band71_15MHz_16QAM_79_0_Main_HighCH138100-690.5



CP-OFDM_Band71_15MHz_64QAM_79_0_Main_LowCH134100-670.5



CP-OFDM_Band71_15MHz_64QAM_79_0_Main_MidCH136100-680.5



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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

In the company subject to Terms and Conditions for Electronic Documents 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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents 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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents 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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents 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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents 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 at the single at the first state of the limitation of liability, indemnification and jurisdiction

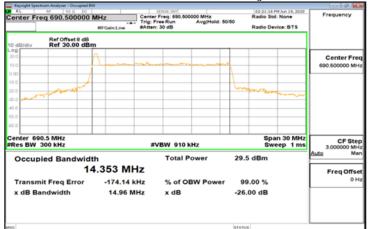
台灣檢驗科技股份有限公司 t (886-2) 2299-3279

SGS Taiwan Ltd.

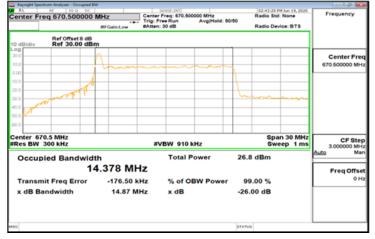
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 t (886-2) 2299-3279 f (886-2) 2298-0488 www.sgs.com.tw



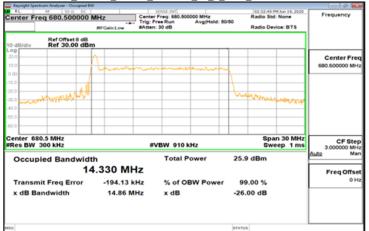
CP-OFDM_Band71_15MHz_64QAM_79_0_Main_HighCH138100-690.5



CP-OFDM_Band71_15MHz_256QAM_79_0_Main_LowCH134100-670.5



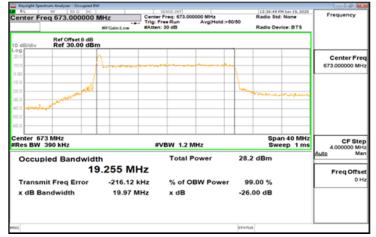
CP-OFDM_Band71_15MHz_256QAM_79_0_Main_MidCH136100-680.5



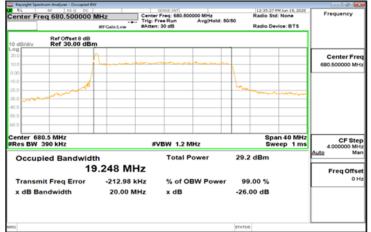
CP-OFDM_Band71_15MHz_256QAM_79_0_Main_HighCH138100-690.5



CP-OFDM_Band71_20MHz_QPSK_106_0_Main_LowCH134600-673



CP-OFDM_Band71_20MHz_QPSK_106_0_Main_MidCH136100-680.5



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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

Montry Transforment 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 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 form 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 full set of the full. fullest extent of the law

台灣檢驗科技股份有限公司 t (886-2) 2299-3279

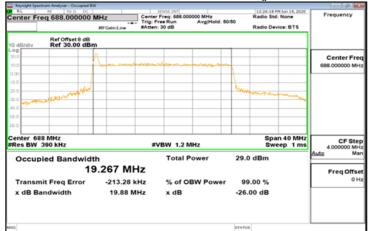
SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488

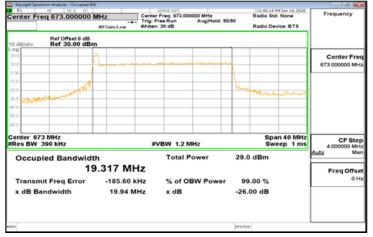
www.sgs.com.tw



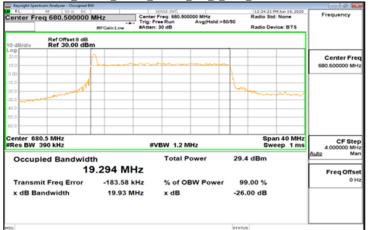
CP-OFDM_Band71_20MHz_QPSK_106_0_Main_HighCH137600-688



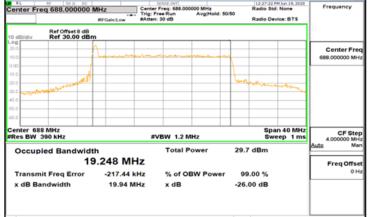
CP-OFDM_Band71_20MHz_16QAM_106_0_Main_LowCH134600-673



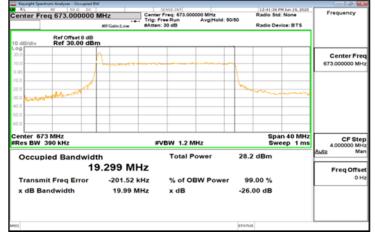
CP-OFDM_Band71_20MHz_16QAM_106_0_Main_MidCH136100-680.5



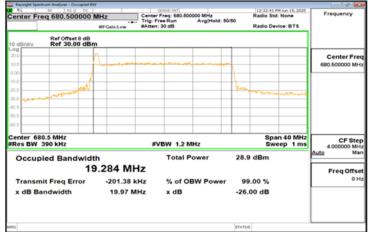
CP-OFDM_Band71_20MHz_16QAM_106_0_Main_HighCH137600-688







CP-OFDM_Band71_20MHz_64QAM_106_0_Main_MidCH136100-680.5



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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

Montry Transforment 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 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 form 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 full set of the full. fullest extent of the law

台灣檢驗科技股份有限公司 t (886-2) 2299-3279

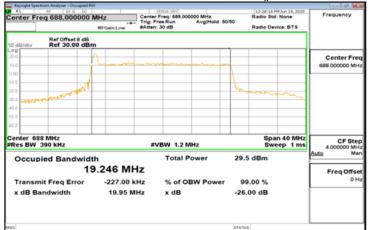
SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488 www.sgs.com.tw

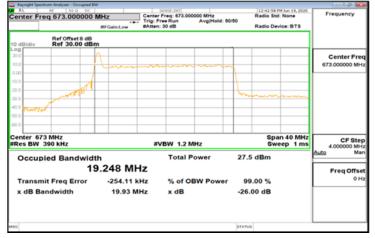


Report No.: ER/2020/30085 Page 128 of 212

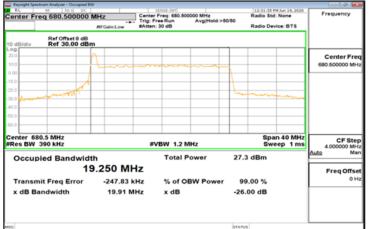
CP-OFDM_Band71_20MHz_64QAM_106_0_Main_HighCH137600-688



CP-OFDM_Band71_20MHz_256QAM_106_0_Main_LowCH134600-673



CP-OFDM_Band71_20MHz_256QAM_106_0_Main_MidCH136100-680.5



CP-OFDM_Band71_20MHz_256QAM_106_0_Main_HighCH137600-688

Center Freq 688.	50 0 000 MHz 0000000 MHz #FGain1.ow ffset 8 dB 10,00 dBm	Center Freq: 688.000000 Trig: Free Run A #Atten: 30 dB	MHz R vg/Hold: 50/50	12:29:37 PH Jun 19, 20 adio Std: None adio Device: BTS	Frequency
	ffset 8 dB	#Atten: 30 dB	R		
				and perioe: Bita	7
0.0	Λ		~~~~		Center Fr
00					
0.0					
enter 688 MHz Res BW 390 kHz		#VBW 1.2 MHz		Span 40 M Sweep 1 r	und Crat
Occupied Ba	indwidth	Total Pow	er 27.8 d		4.000000 M Auto M
T	19.222 M				Freq Offs
Transmit Freq x dB Bandwid			Power 99.0 -26.00		

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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

(新子方方前の) 「山東古部未開到周辺(大橋町県見)「同時山橋町県市留外人、今年報日未知年公司音曲市可) 「小可前辺復報」 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 instructions, if any. The Company's sole responsibility is to its Client and this document does not excoverate parties to a transaction from exercising all their rights and obligations under the transaction documents. This documents are parties to a transaction, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 台灣檢驗科技股份有限公司 t (886-2) 2299-3279

SGS Taiwan Ltd.

f (886-2) 2298-0488

www.sgs.com.tw



8 OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1 Standard Applicable

FCC §22.917(a), §24.238(a), §27.53(h)

RSS-130 §4.7, RSS-132 §5.5, RSS-133 §6.5.1, RSS-139 §6.5, RSS-130 §6.6, RSS-199 §4.5

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(c) (5) & FCC §27.53(g) for LTE B71

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.

ISED RSS-130 §4.7.1 for LTE B71

Compliance for operations in the 617-652 MHz, 663-698 MHz, 698-756 MHz and the 777-787 MHz band, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

FCC §27.53(h)(3) for LTE B4, 66

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

RSS-139 §6.6 for LTE B4, 66

In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block,Footnote 2 which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least 43 + 10 log10 p (watts) dB.

After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least 43 + 10 log10 p (watts) 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 of relectronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions of teetronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



FCC §27.53(m) (4) (6) for LTE B41

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 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.

RSS-199 §4.5 for LTE B41

In the 1 MHz band immediately outside and adjacent to the channel edge, the unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth for base station and fixed subscriber equipment, and 2% for mobile subscriber equipment. Beyond the 1 MHz band, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% or 2% of the occupied bandwidth, as applicable.

Equipment shall comply with the following unwanted emission limits:

for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least 43 + 10 log10 p for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:

40 + 10 log10 p from the channel edges to 5 MHz away

43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and

55 + 10 log10 p at X MHz and beyond from the channel edges

In addition, the attenuation shall not be less than 43 + 10 log10 p on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log10 p at or below 2490.5 MHz.

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

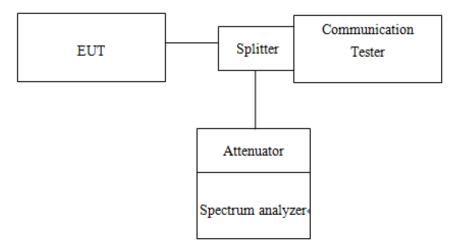
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

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.

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.



8.2 Test SET-UP



8.3 Measurement Procedure

8.3.1 Conducted Emission

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

8.3.2 Band Edge or Mask

- 1. To connect Antenna Port of EUT to Spectrum.
- The band edge of low and high channels for the highest RF powers was measured. Setting RBW ≥ 1% EBW.
- 3. The only N41 Band used RBW offset method and describe in C63.26 section 5.7.2 the correction factor is following:

Corrcrtion factor = 10 log [(reference bandwidth 1MHz) / (measurement bandwidth 100KHz) =10dB

- 4. Allow trace to fully stabilize
- 5. Repeat above procedures until all default test channel measured were complete.

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.

Member of SGS Group

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.



8.4 Measurement Equipment Used

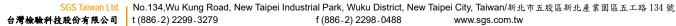
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.			
TYPE		NUMBER	NUMBER	CAL.				
DC Power Supply	Agilent	E3640A	MY40000811	12/23/2019	12/22/2020			
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY57120290	02/20/2020	02/19/2021			
UXM 5G	KEYSIGHT	E7515B	MY59321561	12/16/2019	12/15/2020			
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2020	01/01/2021			
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2020	01/01/2021			
Splitter	RF-LAMBAD	RFLT2W1G18G	11-JSPF412-018	01/02/2020	01/01/2021			

8.5 **Measurement Result:**

Refer to next pages.

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.

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 <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 is unlawful and offenders may be prosecuted to the fullest extent of the law.

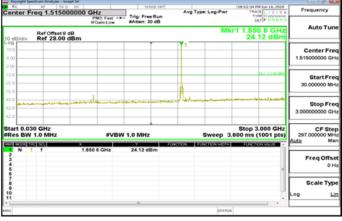


Report No.: ER/2020/30085 Page 133 of 212

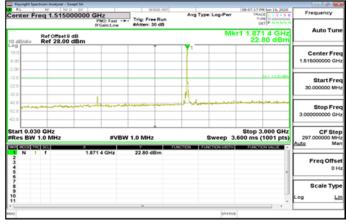


Out of Band Emission

DFT-s-OFDM Pi/2 30MHz~3GHz Band2 20MHz BPSK 1 0 LowCH372000-1860



DFT-s-OFDM Pi/2_30MHz~3GHz_Band2_20MHz_BPSK_1_0_MidCH376000-1880



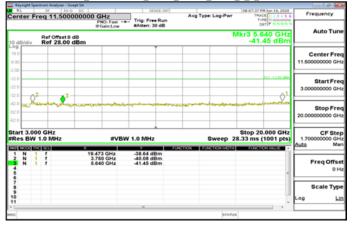
DFT-s-OFDM Pi/2_30MHz~3GHz_Band2_20MHz_BPSK_1_0_HighCH380000-1900

RL RF 10					
Center Freq 1.5150		Trig: Free Run	Avg Type: Log-Pwr	08:08:12 PH Jun 16, 2020 TRACE 1 2 3 4 5 6	Frequency
Ref Offset		#Atten: 30 dB	Mk	r1 1.892 2 GHz 23.75 dBm	Auto Tu
0 g 10 0 10 0			1		Center Fr 1.515000000 0
2.0				Ex.1.13.00.albe	Start Fr 30.000000 N
2.0 2.0 2.0		*******************************	- Armonn		Stop F 3.000000000
art 0.030 GHz tes BW 1.0 MHz	×		Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF S 297.000000 I Auto
N 1 f	1.892 2 GHz	23.76 dBm			Freq Off
5 7 8 9					Scale T
1				· · ·	Log
			STATUS		

DFT-s-OFDM Pi/2_3GHz~26GHz_Band2_20MHz_BPSK_1_0_LowCH372000-1860



DFT-s-OFDM Pi/2_3GHz~26GHz_Band2_20MHz_BPSK_1_0_MidCH376000-1880



DFT-s-OFDM Pi/2_3GHz~26GHz_Band2_20MHz_BPSK_1_0_HighCH380000-1900

Keysight Spectrum Analyzer - Swep	pt SA				
Center Freq 11.5000	00000 GHz PNO: Fast ** IFGain Low	Trig: Free Run	Avg Type: Log-Pwr	08:08:36 PM Jun 16, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DRT P N N N N	Frequency
Ref Offset 8 d 10 dB/div Ref 28.00 d	Auto Tune				
0 g 18.0 2.00					Center Free 11.500000000 GH
12.0 22.0 32.0					Start Free 3.000000000 GH
42.0 10 10 10 10 10 10 10 10 10 10 10 10 10 1		and a second	and a second		Stop Fre 20.000000000 GH
atart 3.000 GHz Res BW 1.0 MHz	#VB	W 1.0 MHz		Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.700000000 GH Auto Ma
NOT MORE THE SEC.	19.405 GHz	-38.83 dBm	JUNCTION FUNCTION WOTH	FUNCTION VALUE	CIRCR 111
1 N 1 F 2 N 1 F 4 6	3.800 GHz 6.700 GHz	-42.62 dBm -41.85 dBm			Freq Offse 0 H
6 7 8					Scale Type
10					Log Li
1				,	
90			STATUS	5	

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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

(新子方方前の) 「山東古部未開到周辺(大橋町県見)「同時山橋町県市留外人、今年報日未知年公司音曲市可) 「小可前辺復報」 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 instructions, if any. The Company's sole responsibility is to its Client and this document does not excoverate parties to a transaction from exercising all their rights and obligations under the transaction documents. This documents are parties to a transaction, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

> SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 www.sgs.com.tw

Report No.: ER/2020/30085 Page 134 of 212



DFT-s-OFDM Pi/2_30MHz~3GHz_Band5_20MHz_BPSK_1_0_LowCH166800-834

Keysight Spe	ectrum Analyzer - Swept SA					
	req 1.51500000	0 GHz	Trig: Free Run	Avg Type: Log-Pwr	04:29:32 PH Jun 16, 2020 TRACE 1 2 3 4 5 6 TYPE H WWWWW	Frequency
	Ref Offset 7.4 dB	IFGain:Low	#Atten: 30 dB	м	kr3 2.502 0 GHz -43.46 dBm	Auto Tune
10 dB/div 17.4 7.40	Ref 27.40 dBm	V1			-43,46 GBM	Center Free 1.515000000 GH
-12.6 -22.6 -32.6			^2		3	Start Free 30.000000 MH
-42.6 -52.6 -62.6	مىلىمە يەر يەھەر يى <mark>مە</mark> رىپ	مبينية	and and an and the	14 March Contraction		Stop Free 3.000000000 GH
Start 0.03 #Res BW	1.0 MHz	_		Sweep 3	Stop 3.000 GHz 3.600 ms (1001 pts)	CF Ster 297.000000 MH Auto Ma
1 N 1 2 N 1 4 5 6		826.0 MHz 1.668 0 GHz 2.502 0 GHz	20.98 dBm -44.42 dBm -43.46 dBm			Freq Offse 0 H
7 8 9 10 11						Scale Type
M90			-	STAT	15	L

DFT-s-OFDM Pi/2_30MHz~3GHz_Band5_20MHz_BPSK_1_0_Mid CH167300-836.5

					Swept SA	trum Analyzer - Six	Spect	night	×.
Frequency	04:32:42 PM Jun 18, 2020 TRACE 1 2 3 4 5 6 TYPE H WWWWW	vg Type: Log-Pwr	NSE (INT)		000000 GHz	eq 1.5150	Fre		Cer
Auto Tune	tr3 2.509 5 GHz -42.94 dBm	Mk		#Atten: 3	IFGain:Low 7.4 dB	Ref Offset 7.			
Center Free 1.515000000 GH	-42.04 (15)				¥1	Ref 27.40	4	B/div	10 d 17.4 7.4
Start Free 30.000000 MH	C(1-1300 after								-12.6 -12.6 -22.6 -32.6
Stop Fre 3.000000000 GH		af warden and a second second	Q ²	****		146.450 ⁰ ¹⁰ 10.410	****	~	-42.6 -52.6 -62.6
CF Stej 297.000000 MH Auto Ma	Stop 3.000 GHz 600 ms (1001 pts)	Sweep 3		W 1.0 MHz	#VB	GHz I.0 MHz	W 1	s Bl	#Re
Freq Offse 0 H			IBm Bm	22.24 de -44.56 de -42.94 de	826.0 MHz 1.673 0 GHz 2.609 5 GHz	1	1	NNN	12345
Scale Type									6 7 8 9 10 11
	5	STATUS							490

DFT-s-OFDM Pi/2_30MHz~3GHz_Band5_20MHz_BPSK_1_0_HighCH167800-839

Keysight Spectrum Analyzer - Swept SA					
Center Freq 1.5150000		Trig: Free Run	Avg Type: Log-Pwr	04:34:02 PH Jun 18, 2020 TRACE 1 2 3 4 5 6 TVPE H WWWWW	Frequency
Ref Offset 7.4 dB	IFGain:Low	#Atten: 30 dB	M	cr3 2.517 0 GHz -43.55 dBm	Auto Tune
17,4 7,40 -2,60	V1				Center Fred 1.515000000 GH
-12.6				A 3	Start Free 30.000000 MH
-42.6 -52.6 -62.6			an a		Stop Free 3.000000000 GH
Start 0.030 GHz #Res BW 1.0 MHz	#VB\	V 1.0 MHz	Sweep 3	Stop 3.000 GHz 3.600 ms (1001 pts)	CF Step 297.000000 MH Auto Ma
1 N 1 f 2 N 1 f 3 N 1 f 4	828.9 MHz 1.678 0 GHz 2.517 0 GHz	21.36 dBm -44.99 dBm -43.55 dBm			Freq Offse 0 H
6 7 8 9 10 11					Scale Type
MBG			STATU	5	

enter Freq 6.5000000	DO CHY	SENSE INT	Avg Type: Log-Pwr	04:29:46 PH Jun 18, 2020 TRACE 2 3 4 5 6	Frequency
enter Freq 6.5000000	PNO: Fast -4 IFGain:Low	#Atten: 30 dB		DET P NNNNN	
Ref Offset 7.4 dB o dB/div Ref 27.40 dBm	•		N	4.820 GHz -39.92 dBm	Auto Tur
0 g 17.4 7.40 2.60					Center Fre 6.500000000 GH
12.6				DL1-13.00 (Br)	
22.6	A1				Start Fre 3.000000000 GF
26 matrices and a fair and a second	a brond a sport	and second reasons	and the second second second		Stop Fr
2.6 tart 3.000 GHz	#VB	N 1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	10.00000000 G CF Sto 700.000000 M
tart 3.000 GHz Res BW 1.0 MHz		¥ F	Sweep 1	1.67 ms (1001 pts)	10.00000000 G CF Sto 700.000000 M
tart 3.000 GHz Res BW 1.0 MHz	#VB			1.67 ms (1001 pts)	10.00000000 G CF St 700.000000 M <u>Auto</u> M Freq Offs
tart 3.000 GHz Res BW 1.0 MHz		¥ F		1.67 ms (1001 pts)	10.00000000 G СF Std 700.00000 M <u>Амto</u> M Freq Offs 01
tart 3.000 GHz Res BW 1.0 MHz		¥ F		1.67 ms (1001 pts)	10.00000000 GH CF Ste 700.000000 MH
tart 3.000 GHz Res BW 1.0 MHz 20 Line (100 GHz) 2 N 1 f 3 4		¥ F		1.67 ms (1001 pts)	10.00000000 CF 700.000000 Auto

DFT-s-OFDM Pi/2_3GHz~26GHz_Band5_20MHz_BPSK_1_0_LowCH166800-834

DFT-s-OFDM Pi/2_3GHz~26GHz_Band5_20MHz_BPSK_1_0_Mid CH167300-836.5

	sctrum Analyzer - Swept S	A				
Center Fi	req 6.500000	000 GHz	Trig: Free Run	Avg Type: Log-Pwr	04:33:05 PH Jun 18, 2020 TRACE 1 2 3 4 5 6 TVPE M MMMMM	Frequency
	Ref Offset 7.4 dl	IFGain:Low	#Atten: 30 dB	N	Akr1 3.714 GHz -38.94 dBm	Auto Tune
10 dB/div 09 17.4 7.40	Ref 27.40 dB	m			-30.84 (15)	Center Freq 6.50000000 GHz
2.60 -12.6 -22.6 -32.6	1				Es.1 -13.00 attes	Start Free 3.000000000 GHz
42.6 62.6 62.6		*****	bertazolationna possano	ale daming production of	Norsempression-Mayeurardi	Stop Free 10.000000000 GH
Start 3.00 Res BW	1.0 MHz	#VB	W 1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Step 700.000000 MH Auto Mar
1 N 1 2 3 4 5	1	3.714 GHz	-38.94 dBm			Freq Offse
6 7 8 9						Scale Type
11 *				STATUS		

DFT-s-OFDM Pi/2_3GHz~26GHz_Band5_20MHz_BPSK_1_0_HighCH167800-839

	sctrum Analyzer - Swept SA					
Center Fi	req 6.5000000	00 GHz	Trig: Free Run	Avg Type: Log-Pwr	04:34:15 PM Jun 16, 2020 TRACE 1 2 3 4 5 6 TVPE NWWWW	Frequency
10 dB/div	Ref Offset 7.4 dB Ref 27.40 dBr	IFGain:Low	#Atten: 30 dB	N	Akr1 5.107 GHz -40.47 dBm	Auto Tune
.og 17.4 7.40 2.60						Center Free 6.500000000 GH
12.6 22.6 32.6		1			CS.1 -13.00 alber	Start Free 3.000000000 GH
42.6 allow	****	2	******		bijaner mogen jaalergenetigen	Stop Fre 10.000000000 GH
tart 3.00 Res BW	1.0 MHz	#VB	N 1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Ste 700.000000 MH Auto Ma
1 N 1 2 3 4 5	1	6.107 GHz	-40.47 dBm			Freq Offse 0 H
6 7 8 9						Scale Type
11				STATUS	· ·	Log <u>Lir</u>

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.

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 <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 www.sgs.com.tw

f (886-2) 2298-0488

Report No.: ER/2020/30085 Page 135 of 212



DFT-s-OFDM Pi/2_30MHz~3GHz_Band41_100MHz_BPSK_1_0_LowCH509202-2546.01

	ectrum Analyzer - Swept SA					
Center F	req 1.51500000	0 GHz	Trig: Free Run	Avg Type: Log-Pwr	11:17:22 AM 5ul 04, 2020 TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offset 14.9 dB Ref 30.00 dBm	IFGain:Low	#Atten: 30 dB	M	(r1 2.498 1 GHz 25.25 dBm	Auto Tune
20.0 10.0						Center Fre 1.515000000 GH
-10.0					DL1 - 25 00 - 4844	Start Fre 30.000000 MH
-40.0				2		Stop Fre 3.000000000 GH
Start 0.03 #Res BW	1.0 MHz			Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 Mi Auto Ma
1 N 1 2345		2.498 1 GHz	25.25 dBm			Freq Offs 0 H
6 7 8 9 10						Scale Typ
×				STATU	5	



Keysight Spectrum Analyzer - Si					- 2 🖬
Center Freq 1.5150	00000 GHz	Trig: Free Run	Avg Type: Log-Pwr	11:19:35 AM 3/104, 2020 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1 10 dB/div Ref 30.00	IFGain:Low	#Atten: 30 dB	Mk	r1 2.545 6 GHz 25.52 dBm	Auto Tun
20.0 10.0				1	Center Fre 1.515000000 GH
-10.0				CL1-25-00-00%	Start Fre 30.000000 MP
40.0		and provide any second s			Stop Fr 3.000000000 G
Start 0.030 GHz Res BW 1.0 MHz		W 1.0 MHz		Stop 3.000 GHz 600 ms (1001 pts)	CF Sto 297.000000 M Auto M
1 N 1 f 2 3 4 5	2.545 6 GHz	25.52 dBm	UNCTION FUNCTION WOTH	FUNCTION VALUE	Freq Offs 01
6 7 8 9 10					Scale Typ
40 60			STATUS		

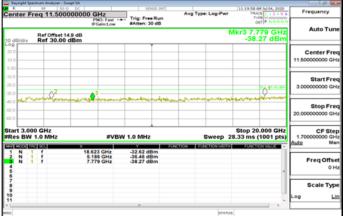
DFT-s-OFDM Pi/2_30MHz~3GHz_Band41_100MHz_BPSK_1_0_HighCH528000-2640

enter Freq 1.51500	10000 GHz	Trig: Free Run	Avg Type: Log-Pwr	11:23:31 AM 34/04, 2020 TRACE 1 2 3 4 5 6 TVPE M WWWWW DET P NNNNN	Frequency
Ref Offset 14	IFGain:Low	#Atten: 30 dB	Mkr	1 2.590 1 GHz 24.92 dBm	Auto Tur
00 00				1	Center Fr 1.515000000 G
0.0				DL1 -25.00 offer	Start Fr 30.000000 N
0.0 0.0 0.0		en len en e			Stop Fr 3.000000000 0
art 0.030 GHz Res BW 1.0 MHz	#VBV	/ 1.0 MHz	Sweep 3.6	Stop 3.000 GHz 500 ms (1001 pts)	CF St 297.000000 N Auto N
N 1 f 2 3 4	2.590 1 GHz	24.92 dBm			FreqOff
					Scale Ty
2			STATUS		

🔤 Keysight Spe	ectrum Analyzer - Sn					
Center F	req 11.500	000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	11:17:36 AM 3ul 04, 2020 TRACE 1 2 3 4 5 6 TVPE M WWWWW	Frequency
10 dB/div	Ref Offset 14 Ref 30.00	IFGain:Low	#Atten: 30 dB		067 P NNNNN Mkr3 7.638 GHz -37.59 dBm	
20.0 10.0	Rei 30.00					Center Fre 11.50000000 GH
-10.0	Δ^2	3			D.1 - 25.40 Mer	Start Fre 3.000000000 GH
-40.0 -50.0 -60.0		and the second		14.94.9884.848.448.489.489.489.489.489.48		Stop Fre 20.000000000 Gi
Start 3.00 #Res BW	1.0 MHz	#VB	W 1.0 MHz		Stop 20.000 GHz 8.33 ms (1001 pts)	CF Sto 1.700000000 Gi Auto M
1 N 1 2 N 1 3 N 1 4 6		19.201 GHz 6.092 GHz 7.638 GHz	-32.32 dBm -35.76 dBm -37.59 dBm	UNCTION FUNCTION WOTH	FUNCTION VALUE	Freq Offs 01
7 8 9 10 11			_			Scale Typ
*				STATU		

DFT-s-OFDM Pi/2_3GHz~26GHz_Band41_100MHz_BPSK_1_0_LowCH509202-2546.01

DFT-s-OFDM Pi/2_3GHz~26GHz_Band41_100MHz_BPSK_1_0_MidCH518598-2592.99



DFT-s-OFDM Pi/2_3GHz~26GHz_Band41_100MHz_BPSK_1_0_HighCH528000-2640 A PP 500 CC mter Freq 11.50000000 GHz PNO: Fast ---- Skitten: 30 dB Avg Type: Log-Pw Auto Tu kr3 7.920 GH -38.01 dBr Ref Offset 14.9 dB Ref 30.00 dBm Center Fr Start F Stop Fr CF St 3.000 GHz BW 1.0 M Stop 20.000 GH Sweep 28.33 ms (1001 pts 1.0 MH 3.748 GHz 5.280 GHz 7.920 GHz -31.30 dBm -38.10 dBm -38.01 dBm N 1 T Freq Offse 01 Scale Typ

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。

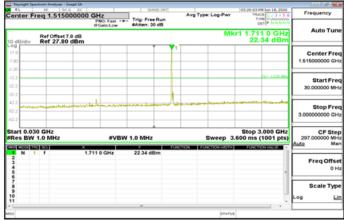
時から方方式就好 * 山根古島本性質が調味した後の世質サー同時以後の世報情報の人 * 年齢電子を知るする。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 fullest extent of the law

> No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd. www.sgs.com.tw

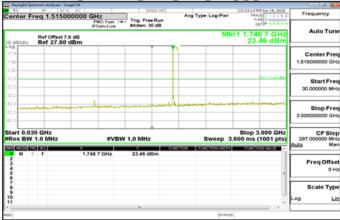
Report No.: ER/2020/30085 Page 136 of 212



DFT-s-OFDM Pi/2_30MHz~3GHz_Band66_20MHz_BPSK_1_0_LowCH344000-1720



DFT-s-OFDM Pi/2_30MHz~3GHz_Band66_20MHz_BPSK_1_0_MidCH349000-1745



DFT-s-OFDM Pi/2_30MHz~3GHz_Band66_20MHz_BPSK_1_0_HighCH354000-1770

RL RF 50 Q					
enter Freq 1.51500	00000 GHz	Trig: Free Run	Avg Type: Log-Pwr	03:27:03 PM Jun 18, 2020 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 7.8		#Atten: 30 dB	М	trine Hummin Det P NNNNN tr1 1.761 5 GHz 23.63 dBm	Auto Tur
og 17.0 2.20			1		Center Fr 1.515000000 G
22.2				CK.1 -13.00 (Bit)	Start Fr 30.000000 M
2.2 2.2 2.2			hander and the second	-Andrew Contractor	Stop Fr 3.000000000 0
tart 0.030 GHz Res BW 1.0 MHz	#VBV	/ 1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF St 297.000000 N Auto N
N 1 f 2 3 4 5	1.761 5 GHz	23,63 dBm			Freq Off 0
6 7 8 9 0 1					Scale Ty
0			STATU	5 ×	

	-OFDM P		GHz_Band66	_20MHz_BPSK	_1_0_LowCH3	344000-1720
RL	R# 50 G		Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	03:20:25 PM Jun 18, 2020 TRACE 1 2 3 4 5 6 TVPE N NN N N DET P N N N N N	Frequency
10 dB/div	Ref Offset 7. Ref 27.80	8 dB	Britani, 00 00		Mkr3 5.160 GHz -40.60 dBm	Auto Tun
17.8 7.80 -2.20						Center Fre 11.500000000 GH
12.2 22.2 32.2	3					Start Fre 3.000000000 GH
42.2 2 62.2 62.2		and the second		and the state of the	ang manipuntan di Para	Stop Fre 20.00000000 GH
Start 3.00 Res BW	00 GHz 1.0 MHz	#VB	W 1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.700000000 GH Auto Mi
1 N 2 N 3 N 4	22 SOL 1 f 1 f	× 19.099 GHz 3.440 GHz 5.160 GHz	-38.33 dBm -45.27 dBm -40.60 dBm	UNCTION FUNCTION WOTH	FUNCTION WALKS	Freq Offs 01
7 8 9 10 11						Scale Typ
*				STATU	5	

DFT-s-OFDM Pi/2_3GHz~26GHz_Band66_20MHz_BPSK_1_0_MidCH349000-1745

Keysight Spectrum Analyze					
Center Freq 11.5	PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr	03:23:26 PM Jun 18, 2020 TRACE 1 2 3 4 5 6 TVPE M WWWWW DET P NN N N N	Frequency
O dB/div Ref 27	IFGain:Low et 7.8 dB .80 dBm	#Atten: 30 dB	N	42.83 dBm	Auto Tune
0 g 17.8 2.20					Center Free 11.500000000 GH
22 22 22 22 22 22				CK1-13.00 aller	Start Fre 3.000000000 GH
62.2 A A A A A A A A A A A A A A A A A A A	len gedager ag en ag	enter for the second	a Landre and a state of the sta		Stop Fre 20.000000000 GH
tart 3.000 GHz Res BW 1.0 MHz		W 1.0 MHz		Stop 20.000 GHz 8.33 ms (1001 pts)	CF Step 1.700000000 GH Auto Ma
1 N 1 F 2 N 1 F 3 N 1 F 4 6	3.901 GHz 3.490 GHz 6.235 GHz	-38.67 dBm -45.87 dBm -42.83 dBm	ACTION FUNCTION WOTH	FUNCTION VALUE	Freq Offse 0 H
6 7 8 9					Scale Type
10				· · ·	Log Lir
90			STATUS	6	

DFT-s-OFDM Pi/2_3GHz~26GHz_Band66_20MHz_BPSK_1_0_HighCH354000-1770

					vept SA	m Analyzer - Son	Spectr		1
	03:27:16 PH Jun 18, 2020 TRACE 1 2 3 4 5 6 TYPE H WWWWW	ype: Log-Pwr	n A	Trig: Freel	000000 GHz	11.5000	Fre		
A	43.69 dBm	N		#Atten: 30	IFGain:Low 8 dB	ef Offset 7.8		B/div	
Center Fre 11.500000000 GH								-	0g 17.0 7.00
Start Fre 3.000000000 GH	0.1.1320.40e					• 3	2		12.2
Stop Fre 20.000000000 GH	and the second second second	*****	****	,	and a state of the	a in Salayay	<u>م</u>	r	42.2 52.2 52.2
CF Ste 1.700000000 GH Auto Ma	Stop 20.000 GHz 8.33 ms (1001 pts)	Sweep 2	FUNCTION	W 1.0 MHz	#VB	MHz	W 1.	rt 3.0 IS B1	Re
Freq Offse				-38.57 dBr -45.44 dBr -43.69 dBr	18.691 GHz 3.640 GHz 5.310 GHz	1	1	ZZZ	12345
Scale Typ									6 7 8 9
Log Li									10
	1	STATUS							90

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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

時から方方式就好 * 山根古島本性質が調味した後の世質サー同時以後の世報情報の人 * 年齢電子を知るする。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 fullest extent of the law

> SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 www.sgs.com.tw

f (886-2) 2298-0488

Report No.: ER/2020/30085 Page 137 of 212



DFT-s-OFDM Pi/2_30MHz~3GHz_Band71_20MHz_BPSK_1_0_LowCH134600-673

Keysight Spectrum								
Center Freq	1.515000000	GHz	Trig: Free Run	Avg Type	Log-Pwr	TRAC	H Jun 18, 2020 26 1 2 3 4 5 6 26 H WWWWWW ET P N N N N N	Frequency
10 dB/div Re	f Offset 8 dB f 28.00 dBm	IFGain:Low	#Atten: 30 dB		Mk	r3 2.01	0 GHz 15 dBm	Auto Tun
10.0 0.00 -2.00	¥1							Center Fre 1.515000000 GH
-12.0				A 43			CL1-13-00 albe	Start Fre 30.000000 MH
42.0 52.0 62.0	and the second			an a				Stop Fr 3.000000000 G
Start 0.030 G	MHz	#VBV	V 1.0 MHz	S NOTION FUN		.600 ms (.000 GHz 1001 pts)	CF Sto 297.000000 M Auto M
1 N 1 f 2 N 1 f 3 N 1 f 4 6	1.	62.6 MHz 46 0 GHz 19 0 GHz	23.66 dBm -44.27 dBm -43.16 dBm					Freq Offs 01
6 7 8 9 10 11								Scale Tyj
* [STATUS	5		

DFT-s-OFDM Pi/2_30MHz~3GHz_Band71_20MHz_BPSK_1_0_MidCH136100-680.5



DFT-s-OFDM Pi/2_30MHz~3GHz_Band71_20MHz_BPSK_1_0_HighCH137600-688

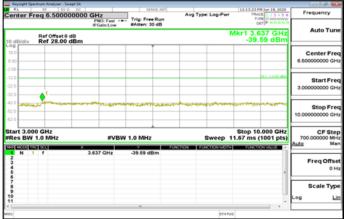
					rum Analyzer - 5	M Spectr	
Frequency	12:14:10 PM Jun 16, 2020 TRACE 1 2 3 4 5 6 TYPE MUMUMUM	Avg Type: Log-Pwr	Trig: Free Run	DO0000 GHz		r Fre	RL
Auto Tun	r3 2.064 0 GHz -42.55 dBm	м	#Atten: 30 dB	IFGain:Low	Ref Offset 6 Ref 28.00) dB/d
Center Fre 1.515000000 GH				¥1			
Start Fre 30.000000 MH	CL1.12.00.00m	3					2.0
Stop Fre 3.000000000 GH	a - 400 - 4795 da - 4980 a - 4 	and the second second	Q ²				2.0
CF Ste 297.000000 Mi Auto Mi	Stop 3.000 GHz 600 ms (1001 pts)	Sweep 3	W 1.0 MHz	#VB	.0 MHz	0.030 BW 1.	Res I
Freq Offs 0 F			24.98 dBm -45.59 dBm -42.55 dBm	677.5 MHz 1.376 0 GHz 2.064 0 GHz	1	1	1 N 2 N 4
Scale Typ							6 7 8 9 0
		STATU					•

RL #/ 500 CC | enter Freq 6.50000000 GHz PNC: Fest ---- Trig: Free Ru gAtten: 30 dB 56 PH Jun 18, 20 TRACE D Avg Type: Log-Pw Auto Tu (r1 3.791 GH -39.70 dBr Ref Offset 8 dB Ref 28.00 dE Center F Start Fr Stop Fr CF St art 3.000 GHz es BW 1.0 M Stop 10.000 GH Sweep 11.67 ms (1001 pts #VBW 1.0 MH2 Freq Offse 01

DFT-s-OFDM Pi/2_3GHz~26GHz_Band71_20MHz_BPSK_1_0_LowCH134600-673

DFT-s-OFDM Pi/2_3GHz~26GHz_Band71_20MHz_BPSK_1_0_MidCH136100-680.5

Scale Typ ы



DFT-s-OFDM Pi/2_3GHz~26GHz_Band71_20MHz_BPSK_1_0_HighCH137600-688

enter Freg 6.5000		SENSE:INT	Avg Type: Log-Pwr	12:14:26 PM Jun 18, 2020 TRACE 1 2 3 4 5 6	Frequency
enter Freq 6.5000	PNO: Fest IFGein:Low	Trig: Free Run #Atten: 30 dB		DET P NNNN	
Ref Offset 8 o dB/div Ref 28.00 o			N	1kr1 5.597 GHz -39.13 dBm	Auto Tun
00					Center Fre
2.0				Ex1.13.00 aller	Start Fre 3.00000000 GH
		and and a second se	giblesconsel providences	an a	Stop Fre 10.00000000 Gi
art 3.000 GHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Ste 700.000000 Mi Auto M
N 1 f	6.597 GHz	-39.13 dBm			Freq Offs 01
6 7 8 9					Scale Typ
			STATUS		Log L

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。

(新子方方前の) 「山東古部未開到周辺(大橋町県見)「同時山橋町県市留外人、今年報日未知年公司音曲市可) 「小可前辺復報」 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 instructions, if any. The Company's sole responsibility is to its Client and this document does not excoverate parties to a transaction from exercising all their rights and obligations under the transaction documents. This documents are parties to a transaction, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

> SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488 www.sgs.com.tw



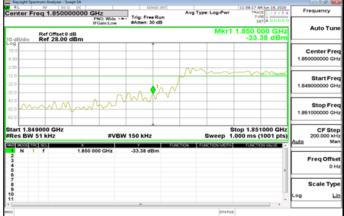
Band Edge



DFT-s-OFDM Pi/2_Band2_5MHz_BPSK_1_24_HighCH381500-1907.5



DFT-s-OFDM Pi/2_Band2_5MHz_BPSK_25_0_LowCH370500-1852.5



DFT-s-OFDM Pi/2 Band2 5MHz BPSK 25 0 HighCH381500-1907.5



DFT-s-OFDM Pi/2_Band2_10MHz_BPSK_1_0_LowCH371000-1855



DFT-s-OFDM Pi/2_Band2_10MHz_BPSK_1_51_HighCH381000-1905



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

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

(新子方方前の) 「山東古部未開到周辺(大橋町県見)「同時山橋町県市留外人、今年報日未知年公司音曲市可) 「小可前辺復報」 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. 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 instructions, if any. The Company's sole responsibility is to its Client and this document does not excoverate parties to a transaction from exercising all their rights and obligations under the transaction documents. This documents are parties to a transaction, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd. 台灣檢驗科技股份有限公司 www.sgs.com.tw

t (886-2) 2299-3279

f (886-2) 2298-0488