

ANNEX A - MEASUREMENT RESULTS

1	Maximum Output Power	2
2	Occupied Bandwidth Measurement	34
3	Out of Band Emission at Antenna Terminals	83
4	Spurious Emission at Antenna Terminals:	107
5	Field Strength of Spurious Radiation Measurement.....	124
6	Frequency Stability Measurement.....	166
7	Peak to Average Ratio	170

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

1 MAXIMUM OUTPUT POWER

Antenna gain (dBi)		3.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	18607	1850.7	QPSK	1	0	22.55	25.85	33	-7.15
				1	5	22.56	25.86	33	-7.14
				3	2	23.09	26.39	33	-6.61
				6	0	22.12	25.42	33	-7.58
	18900	1880	QPSK	1	0	22.19	25.49	33	-7.51
				1	5	22.66	25.96	33	-7.04
				3	2	22.51	25.81	33	-7.19
				6	0	21.99	25.29	33	-7.71
	19193	1909.3	QPSK	1	0	22.45	25.75	33	-7.25
				1	5	22.73	26.03	33	-6.97
				3	2	22.73	26.03	33	-6.97
				6	0	21.27	24.57	33	-8.43
1.4	18607	1850.7	16QAM	1	0	21.77	25.07	33	-7.93
				1	5	21.81	25.11	33	-7.89
				3	2	21.74	25.04	33	-7.96
				6	0	21.23	24.53	33	-8.47
	18900	1880	16QAM	1	0	22.36	25.66	33	-7.34
				1	5	22.09	25.39	33	-7.61
				3	2	22.10	25.40	33	-7.6
				6	0	21.15	24.45	33	-8.55
	19193	1909.3	16QAM	1	0	21.88	25.18	33	-7.82
				1	5	21.70	25.00	33	-8
				3	2	21.86	25.16	33	-7.84
				6	0	20.83	24.13	33	-8.87
1.4	18607	1850.7	64QAM	1	0	20.33	23.63	33	-9.37
				1	5	20.38	23.68	33	-9.32
				3	2	21.14	24.44	33	-8.56
				6	0	20.12	23.42	33	-9.58
	18900	1880	64QAM	1	0	20.71	24.01	33	-8.99
				1	5	20.62	23.92	33	-9.08
				3	2	21.23	24.53	33	-8.47
				6	0	20.02	23.32	33	-9.68
	19193	1909.3	64QAM	1	0	20.79	24.09	33	-8.91
				1	5	20.55	23.85	33	-9.15
				3	2	21.04	24.34	33	-8.66
				6	0	19.81	23.11	33	-9.89

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	18615	1851.5	QPSK	1	0	22.57	25.87	33	-7.13
				1	14	22.84	26.14	33	-6.86
				8	4	22.24	25.54	33	-7.46
				15	0	22.17	25.47	33	-7.53
	18900	1880	QPSK	1	0	22.96	26.26	33	-6.74
				1	14	22.95	26.25	33	-6.75
				8	4	22.10	25.40	33	-7.6
				15	0	22.10	25.40	33	-7.6
	19185	1908.5	QPSK	1	0	22.54	25.84	33	-7.16
				1	14	22.61	25.91	33	-7.09
				8	4	21.88	25.18	33	-7.82
				15	0	21.83	25.13	33	-7.87
3	18615	1851.5	16QAM	1	0	22.44	25.74	33	-7.26
				1	14	22.45	25.75	33	-7.25
				8	4	21.32	24.62	33	-8.38
				15	0	21.18	24.48	33	-8.52
	18900	1880	16QAM	1	0	22.18	25.48	33	-7.52
				1	14	21.91	25.21	33	-7.79
				8	4	21.16	24.46	33	-8.54
				15	0	21.15	24.45	33	-8.55
	19185	1908.5	16QAM	1	0	21.68	24.98	33	-8.02
				1	14	22.14	25.44	33	-7.56
				8	4	21.01	24.31	33	-8.69
				15	0	20.89	24.19	33	-8.81
3	18615	1851.5	64QAM	1	0	21.41	24.71	33	-8.29
				1	14	21.44	24.74	33	-8.26
				8	4	20.34	23.64	33	-9.36
				15	0	20.27	23.57	33	-9.43
	18900	1880	64QAM	1	0	21.15	24.45	33	-8.55
				1	14	21.07	24.37	33	-8.63
				8	4	20.23	23.53	33	-9.47
				15	0	20.08	23.38	33	-9.62
	19185	1908.5	64QAM	1	0	20.82	24.12	33	-8.88
				1	14	21.14	24.44	33	-8.56
				8	4	19.94	23.24	33	-9.76
				15	0	19.89	23.19	33	-9.81

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	23.06	26.36	33	-6.64
				1	24	22.90	26.20	33	-6.8
				12	6	22.21	25.51	33	-7.49
				25	0	22.17	25.47	33	-7.53
	18900	1880	QPSK	1	0	22.76	26.06	33	-6.94
				1	24	22.79	26.09	33	-6.91
				12	6	22.13	25.43	33	-7.57
				25	0	22.06	25.36	33	-7.64
	19175	1907.5	QPSK	1	0	22.51	25.81	33	-7.19
				1	24	22.90	26.20	33	-6.8
				12	6	21.90	25.20	33	-7.8
				25	0	21.64	24.94	33	-8.06
5	18625	1852.5	16QAM	1	0	22.36	25.66	33	-7.34
				1	24	22.70	26.00	33	-7
				12	6	21.26	24.56	33	-8.44
				25	0	21.24	24.54	33	-8.46
	18900	1880	16QAM	1	0	22.23	25.53	33	-7.47
				1	24	22.34	25.64	33	-7.36
				12	6	21.18	24.48	33	-8.52
				25	0	21.12	24.42	33	-8.58
	19175	1907.5	16QAM	1	0	22.04	25.34	33	-7.66
				1	24	21.62	24.92	33	-8.08
				12	6	20.42	23.72	33	-9.28
				25	0	20.83	24.13	33	-8.87
5	18625	1852.5	64QAM	1	0	20.33	23.63	33	-9.37
				1	24	20.58	23.88	33	-9.12
				12	6	20.28	23.58	33	-9.42
				25	0	20.27	23.57	33	-9.43
	18900	1880	64QAM	1	0	20.81	24.11	33	-8.89
				1	24	20.78	24.08	33	-8.92
				12	6	20.15	23.45	33	-9.55
				25	0	20.11	23.41	33	-9.59
	19175	1907.5	64QAM	1	0	20.99	24.29	33	-8.71
				1	24	21.17	24.47	33	-8.53
				12	6	19.94	23.24	33	-9.76
				25	0	19.85	23.15	33	-9.85

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	22.48	25.78	33	-7.22
				1	49	22.64	25.94	33	-7.06
				25	12	22.29	25.59	33	-7.41
				50	0	22.24	25.54	33	-7.46
	18900	1880	QPSK	1	0	23.05	26.35	33	-6.65
				1	49	22.78	26.08	33	-6.92
				25	12	21.96	25.26	33	-7.74
				50	0	21.85	25.15	33	-7.85
	19150	1905	QPSK	1	0	22.90	26.20	33	-6.8
				1	49	22.82	26.12	33	-6.88
				25	12	21.87	25.17	33	-7.83
				50	0	21.85	25.15	33	-7.85
10	18650	1855	16QAM	1	0	21.56	24.86	33	-8.14
				1	49	21.97	25.27	33	-7.73
				25	12	21.27	24.57	33	-8.43
				50	0	21.24	24.54	33	-8.46
	18900	1880	16QAM	1	0	21.95	25.25	33	-7.75
				1	49	21.51	24.81	33	-8.19
				25	12	21.10	24.40	33	-8.6
				50	0	21.12	24.42	33	-8.58
	19150	1905	16QAM	1	0	21.93	25.23	33	-7.77
				1	49	21.41	24.71	33	-8.29
				25	12	20.87	24.17	33	-8.83
				50	0	20.83	24.13	33	-8.87
10	18650	1855	64QAM	1	0	20.47	23.77	33	-9.23
				1	49	20.78	24.08	33	-8.92
				25	12	20.20	23.50	33	-9.5
				50	0	20.29	23.59	33	-9.41
	18900	1880	64QAM	1	0	20.46	23.76	33	-9.24
				1	49	20.83	24.13	33	-8.87
				25	12	20.17	23.47	33	-9.53
				50	0	20.15	23.45	33	-9.55
	19150	1905	64QAM	1	0	20.37	23.67	33	-9.33
				1	49	19.62	22.92	33	-10.08
				25	12	19.92	23.22	33	-9.78
				50	0	19.91	23.21	33	-9.79

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	23.03	26.33	33	-6.67
				1	74	22.99	26.29	33	-6.71
				36	18	22.20	25.50	33	-7.5
				75	0	22.24	25.54	33	-7.46
	18900	1880	QPSK	1	0	23.00	26.30	33	-6.7
				1	74	22.13	25.43	33	-7.57
				36	18	22.17	25.47	33	-7.53
				75	0	22.12	25.42	33	-7.58
	19125	1902.5	QPSK	1	0	22.56	25.86	33	-7.14
				1	74	22.58	25.88	33	-7.12
				36	18	21.86	25.16	33	-7.84
				75	0	21.85	25.15	33	-7.85
15	18675	1857.5	16QAM	1	0	22.13	25.43	33	-7.57
				1	74	22.10	25.40	33	-7.6
				36	18	21.25	24.55	33	-8.45
				75	0	21.22	24.52	33	-8.48
	18900	1880	16QAM	1	0	21.97	25.27	33	-7.73
				1	74	21.95	25.25	33	-7.75
				36	18	21.15	24.45	33	-8.55
				75	0	21.12	24.42	33	-8.58
	19125	1902.5	16QAM	1	0	21.56	24.86	33	-8.14
				1	74	21.51	24.81	33	-8.19
				36	18	20.91	24.21	33	-8.79
				75	0	20.90	24.20	33	-8.8
15	18675	1857.5	64QAM	1	0	21.40	24.70	33	-8.3
				1	74	21.40	24.70	33	-8.3
				36	18	20.26	23.56	33	-9.44
				75	0	20.22	23.52	33	-9.48
	18900	1880	64QAM	1	0	21.05	24.35	33	-8.65
				1	74	21.20	24.50	33	-8.5
				36	18	20.20	23.50	33	-9.5
				75	0	20.15	23.45	33	-9.55
	19125	1902.5	64QAM	1	0	20.55	23.85	33	-9.15
				1	74	20.25	23.55	33	-9.45
				36	18	19.88	23.18	33	-9.82
				75	0	19.92	23.22	33	-9.78

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	23.16	26.46	33	-6.54
				1	99	22.97	26.27	33	-6.73
				50	25	22.24	25.54	33	-7.46
				100	0	22.18	25.48	33	-7.52
	18900	1880	QPSK	1	0	23.03	26.33	33	-6.67
				1	99	22.73	26.03	33	-6.97
				50	25	22.15	25.45	33	-7.55
				100	0	22.09	25.39	33	-7.61
	19100	1900	QPSK	1	0	22.82	26.12	33	-6.88
				1	99	22.66	25.96	33	-7.04
				50	25	21.99	25.29	33	-7.71
				100	0	21.99	25.29	33	-7.71
20	18700	1860	16QAM	1	0	22.41	25.71	33	-7.29
				1	99	22.22	25.52	33	-7.48
				50	25	21.28	24.58	33	-8.42
				100	0	21.20	24.50	33	-8.5
	18900	1880	16QAM	1	0	21.57	24.87	33	-8.13
				1	99	22.00	25.30	33	-7.7
				50	25	21.14	24.44	33	-8.56
				100	0	21.12	24.42	33	-8.58
	19100	1900	16QAM	1	0	21.75	25.05	33	-7.95
				1	99	22.16	25.46	33	-7.54
				50	25	20.98	24.28	33	-8.72
				100	0	21.00	24.30	33	-8.7
20	18700	1860	64QAM	1	0	20.91	24.21	33	-8.79
				1	99	20.22	23.52	33	-9.48
				50	25	20.31	23.61	33	-9.39
				100	0	20.22	23.52	33	-9.48
	18900	1880	64QAM	1	0	21.07	24.37	33	-8.63
				1	99	20.33	23.63	33	-9.37
				50	25	20.16	23.46	33	-9.54
				100	0	20.14	23.44	33	-9.56
	19100	1900	64QAM	1	0	20.53	23.83	33	-9.17
				1	99	21.19	24.49	33	-8.51
				50	25	20.00	23.30	33	-9.7
				100	0	20.01	23.31	33	-9.69

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	22.11	25.43	30	-4.57
				1	5	22.31	25.63	30	-4.37
				3	2	22.86	26.18	30	-3.82
				6	0	21.70	25.02	30	-4.98
	20175	1732.5	QPSK	1	0	22.89	26.21	30	-3.79
				1	5	22.71	26.03	30	-3.97
				3	2	22.97	26.29	30	-3.71
				6	0	21.96	25.28	30	-4.72
	20393	1754.3	QPSK	1	0	22.33	25.65	30	-4.35
				1	5	22.63	25.95	30	-4.05
				3	2	23.14	26.46	30	-3.54
				6	0	22.21	25.53	30	-4.47
1.4	19957	1710.7	16QAM	1	0	22.11	25.43	30	-4.57
				1	5	22.00	25.32	30	-4.68
				3	2	22.07	25.39	30	-4.61
				6	0	20.99	24.31	30	-5.69
	20175	1732.5	16QAM	1	0	22.12	25.44	30	-4.56
				1	5	21.93	25.25	30	-4.75
				3	2	21.65	24.97	30	-5.03
				6	0	21.08	24.40	30	-5.6
	20393	1754.3	16QAM	1	0	22.15	25.47	30	-4.53
				1	5	22.54	25.86	30	-4.14
				3	2	22.27	25.59	30	-4.41
				6	0	21.27	24.59	30	-5.41
1.4	19957	1710.7	64QAM	1	0	21.13	24.45	30	-5.55
				1	5	20.39	23.71	30	-6.29
				3	2	21.25	24.57	30	-5.43
				6	0	20.03	23.35	30	-6.65
	20175	1732.5	64QAM	1	0	21.37	24.69	30	-5.31
				1	5	21.12	24.44	30	-5.56
				3	2	20.95	24.27	30	-5.73
				6	0	20.05	23.37	30	-6.63
	20393	1754.3	64QAM	1	0	21.37	24.69	30	-5.31
				1	5	21.54	24.86	30	-5.14
				3	2	21.52	24.84	30	-5.16
				6	0	20.10	23.42	30	-6.58

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	22.69	26.01	30	-3.99
				1	14	22.47	25.79	30	-4.21
				8	4	21.99	25.31	30	-4.69
				15	0	21.97	25.29	30	-4.71
	20175	1732.5	QPSK	1	0	22.96	26.28	30	-3.72
				1	14	22.73	26.05	30	-3.95
				8	4	22.10	25.42	30	-4.58
				15	0	22.07	25.39	30	-4.61
	20385	1753.5	QPSK	1	0	22.61	25.93	30	-4.07
				1	14	23.23	26.55	30	-3.45
				8	4	22.29	25.61	30	-4.39
				15	0	22.28	25.60	30	-4.4
3	19965	1711.5	16QAM	1	0	22.07	25.39	30	-4.61
				1	14	21.82	25.14	30	-4.86
				8	4	21.10	24.42	30	-5.58
				15	0	21.04	24.36	30	-5.64
	20175	1732.5	16QAM	1	0	21.58	24.90	30	-5.1
				1	14	21.99	25.31	30	-4.69
				8	4	21.20	24.52	30	-5.48
				15	0	21.11	24.43	30	-5.57
	20385	1753.5	16QAM	1	0	22.44	25.76	30	-4.24
				1	14	22.48	25.80	30	-4.2
				8	4	21.12	24.44	30	-5.56
				15	0	21.29	24.61	30	-5.39
3	19965	1711.5	64QAM	1	0	21.06	24.38	30	-5.62
				1	14	21.03	24.35	30	-5.65
				8	4	20.06	23.38	30	-6.62
				15	0	20.01	23.33	30	-6.67
	20175	1732.5	64QAM	1	0	21.19	24.51	30	-5.49
				1	14	21.15	24.47	30	-5.53
				8	4	20.12	23.44	30	-6.56
				15	0	20.20	23.52	30	-6.48
	20385	1753.5	64QAM	1	0	21.18	24.50	30	-5.5
				1	14	21.07	24.39	30	-5.61
				8	4	20.36	23.68	30	-6.32
				15	0	20.36	23.68	30	-6.32

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	22.58	25.90	30	-4.1
				1	24	22.03	25.35	30	-4.65
				12	6	22.02	25.34	30	-4.66
				25	0	22.04	25.36	30	-4.64
	20175	1732.5	QPSK	1	0	22.19	25.51	30	-4.49
				1	24	22.59	25.91	30	-4.09
				12	6	22.09	25.41	30	-4.59
				25	0	22.10	25.42	30	-4.58
	20375	1752.5	QPSK	1	0	22.34	25.66	30	-4.34
				1	24	23.25	26.57	30	-3.43
				12	6	22.22	25.54	30	-4.46
				25	0	22.21	25.53	30	-4.47
5	19975	1712.5	16QAM	1	0	21.90	25.22	30	-4.78
				1	24	21.60	24.92	30	-5.08
				12	6	21.09	24.41	30	-5.59
				25	0	21.02	24.34	30	-5.66
	20175	1732.5	16QAM	1	0	21.97	25.29	30	-4.71
				1	24	22.34	25.66	30	-4.34
				12	6	21.19	24.51	30	-5.49
				25	0	21.13	24.45	30	-5.55
	20375	1752.5	16QAM	1	0	22.13	25.45	30	-4.55
				1	24	22.40	25.72	30	-4.28
				12	6	21.29	24.61	30	-5.39
				25	0	21.24	24.56	30	-5.44
5	19975	1712.5	64QAM	1	0	20.68	24.00	30	-6
				1	24	21.04	24.36	30	-5.64
				12	6	20.02	23.34	30	-6.66
				25	0	20.07	23.39	30	-6.61
	20175	1732.5	64QAM	1	0	21.09	24.41	30	-5.59
				1	24	21.45	24.77	30	-5.23
				12	6	20.21	23.53	30	-6.47
				25	0	20.15	23.47	30	-6.53
	20375	1752.5	64QAM	1	0	21.21	24.53	30	-5.47
				1	24	20.98	24.30	30	-5.7
				12	6	20.28	23.60	30	-6.4
				25	0	20.24	23.56	30	-6.44

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20000	1715	QPSK	1	0	22.28	25.60	30	-4.4
				1	49	22.89	26.21	30	-3.79
				25	12	22.04	25.36	30	-4.64
				50	0	22.04	25.36	30	-4.64
	20175	1732.5	QPSK	1	0	22.75	26.07	30	-3.93
				1	49	22.74	26.06	30	-3.94
				25	12	22.14	25.46	30	-4.54
				50	0	22.10	25.42	30	-4.58
	20350	1750	QPSK	1	0	22.69	26.01	30	-3.99
				1	49	22.34	25.66	30	-4.34
				25	12	22.18	25.50	30	-4.5
				50	0	22.20	25.52	30	-4.48
10	20000	1715	16QAM	1	0	22.07	25.39	30	-4.61
				1	49	22.38	25.70	30	-4.3
				25	12	21.11	24.43	30	-5.57
				50	0	21.12	24.44	30	-5.56
	20175	1732.5	16QAM	1	0	22.35	25.67	30	-4.33
				1	49	22.06	25.38	30	-4.62
				25	12	21.18	24.50	30	-5.5
				50	0	21.16	24.48	30	-5.52
	20350	1750	16QAM	1	0	22.38	25.70	30	-4.3
				1	49	22.31	25.63	30	-4.37
				25	12	21.24	24.56	30	-5.44
				50	0	21.15	24.47	30	-5.53
10	20000	1715	64QAM	1	0	20.84	24.16	30	-5.84
				1	49	21.22	24.54	30	-5.46
				25	12	19.84	23.16	30	-6.84
				50	0	20.09	23.41	30	-6.59
	20175	1732.5	64QAM	1	0	21.28	24.60	30	-5.4
				1	49	20.77	24.09	30	-5.91
				25	12	20.19	23.51	30	-6.49
				50	0	20.14	23.46	30	-6.54
	20350	1750	64QAM	1	0	21.23	24.55	30	-5.45
				1	49	21.19	24.51	30	-5.49
				25	12	20.22	23.54	30	-6.46
				50	0	20.17	23.49	30	-6.51

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20025	1717.5	QPSK	1	0	22.93	26.25	30	-3.75
				1	74	22.60	25.92	30	-4.08
				36	18	22.05	25.37	30	-4.63
				75	0	22.09	25.41	30	-4.59
	20175	1732.5	QPSK	1	0	22.85	26.17	30	-3.83
				1	74	22.87	26.19	30	-3.81
				36	18	22.11	25.43	30	-4.57
				75	0	22.11	25.43	30	-4.57
	20325	1747.5	QPSK	1	0	22.98	26.30	30	-3.7
				1	74	23.13	26.45	30	-3.55
				36	18	22.12	25.44	30	-4.56
				75	0	22.17	25.49	30	-4.51
15	20025	1717.5	16QAM	1	0	21.77	25.09	30	-4.91
				1	74	22.33	25.65	30	-4.35
				36	18	21.07	24.39	30	-5.61
				75	0	21.04	24.36	30	-5.64
	20175	1732.5	16QAM	1	0	21.97	25.29	30	-4.71
				1	74	22.04	25.36	30	-4.64
				36	18	21.14	24.46	30	-5.54
				75	0	21.12	24.44	30	-5.56
	20325	1747.5	16QAM	1	0	21.66	24.98	30	-5.02
				1	74	22.29	25.61	30	-4.39
				36	18	21.20	24.52	30	-5.48
				75	0	21.12	24.44	30	-5.56
15	20025	1717.5	64QAM	1	0	21.29	24.61	30	-5.39
				1	74	21.18	24.50	30	-5.5
				36	18	20.14	23.46	30	-6.54
				75	0	20.07	23.39	30	-6.61
	20175	1732.5	64QAM	1	0	21.19	24.51	30	-5.49
				1	74	21.24	24.56	30	-5.44
				36	18	20.17	23.49	30	-6.51
				75	0	20.15	23.47	30	-6.53
	20325	1747.5	64QAM	1	0	20.94	24.26	30	-5.74
				1	74	21.24	24.56	30	-5.44
				36	18	20.15	23.47	30	-6.53
				75	0	20.19	23.51	30	-6.49

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20050	1720	QPSK	1	0	22.07	25.39	30	-4.61
				1	99	21.90	25.22	30	-4.78
				50	25	22.06	25.38	30	-4.62
				100	0	22.08	25.40	30	-4.6
	20175	1732.5	QPSK	1	0	22.86	26.18	30	-3.82
				1	99	23.03	26.35	30	-3.65
				50	25	22.13	25.45	30	-4.55
				100	0	22.16	25.48	30	-4.52
	20300	1745	QPSK	1	0	22.64	25.96	30	-4.04
				1	99	23.06	26.38	30	-3.62
				50	25	22.12	25.44	30	-4.56
				100	0	22.13	25.45	30	-4.55
20	20050	1720	16QAM	1	0	22.35	25.67	30	-4.33
				1	99	21.75	25.07	30	-4.93
				50	25	21.04	24.36	30	-5.64
				100	0	21.05	24.37	30	-5.63
	20175	1732.5	16QAM	1	0	22.22	25.54	30	-4.46
				1	99	21.42	24.74	30	-5.26
				50	25	21.12	24.44	30	-5.56
				100	0	21.14	24.46	30	-5.54
	20300	1745	16QAM	1	0	22.76	26.08	30	-3.92
				1	99	22.24	25.56	30	-4.44
				50	25	21.14	24.46	30	-5.54
				100	0	21.19	24.51	30	-5.49
20	20050	1720	64QAM	1	0	20.74	24.06	30	-5.94
				1	99	20.63	23.95	30	-6.05
				50	25	20.17	23.49	30	-6.51
				100	0	20.14	23.46	30	-6.54
	20175	1732.5	64QAM	1	0	21.09	24.41	30	-5.59
				1	99	21.52	24.84	30	-5.16
				50	25	20.13	23.45	30	-6.55
				100	0	20.20	23.52	30	-6.48
	20300	1745	64QAM	1	0	21.12	24.44	30	-5.56
				1	99	21.42	24.74	30	-5.26
				50	25	20.20	23.52	30	-6.48
				100	0	20.15	23.47	30	-6.53

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.15								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	22.80	25.95	23.80	38.45	-14.65
				1	5	22.72	25.87	23.72	38.45	-14.73
				3	2	22.85	26.00	23.85	38.45	-14.60
				6	0	21.89	25.04	22.89	38.45	-15.56
	20525	836.5	QPSK	1	0	22.38	25.53	23.38	38.45	-15.07
				1	5	22.36	25.51	23.36	38.45	-15.09
				3	2	22.47	25.62	23.47	38.45	-14.98
				6	0	21.47	24.62	22.47	38.45	-15.98
	20643	848.3	QPSK	1	0	22.46	25.61	23.46	38.45	-14.99
				1	5	22.37	25.52	23.37	38.45	-15.08
				3	2	22.50	25.65	23.50	38.45	-14.95
				6	0	21.54	24.69	22.54	38.45	-15.91
1.4	20407	824.7	16QAM	1	0	21.91	25.06	22.91	38.45	-15.54
				1	5	22.21	25.36	23.21	38.45	-15.24
				3	2	22.11	25.26	23.11	38.45	-15.34
				6	0	21.03	24.18	22.03	38.45	-16.42
	20525	836.5	16QAM	1	0	21.93	25.08	22.93	38.45	-15.52
				1	5	21.43	24.58	22.43	38.45	-16.02
				3	2	21.59	24.74	22.59	38.45	-15.86
				6	0	20.59	23.74	21.59	38.45	-16.86
	20643	848.3	16QAM	1	0	21.89	25.04	22.89	38.45	-15.56
				1	5	21.88	25.03	22.88	38.45	-15.57
				3	2	21.32	24.47	22.32	38.45	-16.13
				6	0	20.62	23.77	21.62	38.45	-16.83
1.4	20407	824.7	64QAM	1	0	21.04	24.19	22.04	38.45	-16.41
				1	5	20.70	23.85	21.70	38.45	-16.75
				3	2	21.05	24.20	22.05	38.45	-16.40
				6	0	19.73	22.88	20.73	38.45	-17.72
	20525	836.5	64QAM	1	0	20.69	23.84	21.69	38.45	-16.76
				1	5	20.45	23.60	21.45	38.45	-17.00
				3	2	20.68	23.83	21.68	38.45	-16.77
				6	0	19.09	22.24	20.09	38.45	-18.36
	20643	848.3	64QAM	1	0	20.61	23.76	21.61	38.45	-16.84
				1	5	20.80	23.95	21.80	38.45	-16.65
				3	2	20.23	23.38	21.23	38.45	-17.22
				6	0	19.62	22.77	20.62	38.45	-17.83

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.15								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	22.42	25.57	23.42	38.45	-15.03
				1	14	22.73	25.88	23.73	38.45	-14.72
				8	4	21.98	25.13	22.98	38.45	-15.47
				15	0	21.94	25.09	22.94	38.45	-15.51
	20525	836.5	QPSK	1	0	22.50	25.65	23.50	38.45	-14.95
				1	14	22.39	25.54	23.39	38.45	-15.06
				8	4	21.59	24.74	22.59	38.45	-15.86
				15	0	21.54	24.69	22.54	38.45	-15.91
	20635	847.5	QPSK	1	0	22.46	25.61	23.46	38.45	-14.99
				1	14	22.44	25.59	23.44	38.45	-15.01
				8	4	21.63	24.78	22.63	38.45	-15.82
				15	0	21.53	24.68	22.53	38.45	-15.92
3	20415	825.5	16QAM	1	0	22.57	25.72	23.57	38.45	-14.88
				1	14	21.68	24.83	22.68	38.45	-15.77
				8	4	21.01	24.16	22.01	38.45	-16.44
				15	0	20.73	23.88	21.73	38.45	-16.72
	20525	836.5	16QAM	1	0	21.28	24.43	22.28	38.45	-16.17
				1	14	21.61	24.76	22.61	38.45	-15.84
				8	4	20.65	23.80	21.65	38.45	-16.80
				15	0	20.57	23.72	21.57	38.45	-16.88
	20635	847.5	16QAM	1	0	21.08	24.23	22.08	38.45	-16.37
				1	14	21.43	24.58	22.43	38.45	-16.02
				8	4	20.50	23.65	21.50	38.45	-16.95
				15	0	20.16	23.31	21.16	38.45	-17.29
3	20415	825.5	64QAM	1	0	20.92	24.07	21.92	38.45	-16.53
				1	14	20.76	23.91	21.76	38.45	-16.69
				8	4	20.02	23.17	21.02	38.45	-17.43
				15	0	20.01	23.16	21.01	38.45	-17.44
	20525	836.5	64QAM	1	0	20.80	23.95	21.80	38.45	-16.65
				1	14	20.20	23.35	21.20	38.45	-17.25
				8	4	19.69	22.84	20.69	38.45	-17.76
				15	0	19.15	22.30	20.15	38.45	-18.30
	20635	847.5	64QAM	1	0	20.83	23.98	21.83	38.45	-16.62
				1	14	20.31	23.46	21.31	38.45	-17.14
				8	4	19.68	22.83	20.68	38.45	-17.77
				15	0	19.61	22.76	20.61	38.45	-17.84

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.15								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	22.28	25.43	23.28	38.45	-15.17
				1	24	22.47	25.62	23.47	38.45	-14.98
				12	6	21.96	25.11	22.96	38.45	-15.49
				25	0	21.90	25.05	22.90	38.45	-15.55
	20525	836.5	QPSK	1	0	22.63	25.78	23.63	38.45	-14.82
				1	24	22.49	25.64	23.49	38.45	-14.96
				12	6	21.59	24.74	22.59	38.45	-15.86
				25	0	21.57	24.72	22.57	38.45	-15.88
	20625	846.5	QPSK	1	0	22.58	25.73	23.58	38.45	-14.87
				1	24	22.54	25.69	23.54	38.45	-14.91
				12	6	21.60	24.75	22.60	38.45	-15.85
				25	0	21.59	24.74	22.59	38.45	-15.86
5	20425	826.5	16QAM	1	0	21.92	25.07	22.92	38.45	-15.53
				1	24	21.50	24.65	22.50	38.45	-15.95
				12	6	20.97	24.12	21.97	38.45	-16.48
				25	0	20.66	23.81	21.66	38.45	-16.79
	20525	836.5	16QAM	1	0	21.93	25.08	22.93	38.45	-15.52
				1	24	21.69	24.84	22.69	38.45	-15.76
				12	6	20.66	23.81	21.66	38.45	-16.79
				25	0	20.61	23.76	21.61	38.45	-16.84
	20625	846.5	16QAM	1	0	21.10	24.25	22.10	38.45	-16.35
				1	24	21.68	24.83	22.68	38.45	-15.77
				12	6	20.46	23.61	21.46	38.45	-16.99
				25	0	20.62	23.77	21.62	38.45	-16.83
5	20425	826.5	64QAM	1	0	20.65	23.80	21.65	38.45	-16.80
				1	24	20.37	23.52	21.37	38.45	-17.08
				12	6	20.02	23.17	21.02	38.45	-17.43
				25	0	19.93	23.08	20.93	38.45	-17.52
	20525	836.5	64QAM	1	0	21.05	24.20	22.05	38.45	-16.40
				1	24	20.55	23.70	21.55	38.45	-16.90
				12	6	19.58	22.73	20.58	38.45	-17.87
				25	0	19.58	22.73	20.58	38.45	-17.87
	20625	846.5	64QAM	1	0	20.86	24.01	21.86	38.45	-16.59
				1	24	20.60	23.75	21.60	38.45	-16.85
				12	6	19.66	22.81	20.66	38.45	-17.79
				25	0	19.68	22.83	20.68	38.45	-17.77

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.15								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	22.50	25.65	23.50	38.45	-14.95
				1	49	22.61	25.76	23.61	38.45	-14.84
				25	12	21.86	25.01	22.86	38.45	-15.59
				50	0	21.85	25.00	22.85	38.45	-15.60
	20525	836.5	QPSK	1	0	22.53	25.68	23.53	38.45	-14.92
				1	49	22.48	25.63	23.48	38.45	-14.97
				25	12	21.63	24.78	22.63	38.45	-15.82
				50	0	21.59	24.74	22.59	38.45	-15.86
	20600	844	QPSK	1	0	22.43	25.58	23.43	38.45	-15.02
				1	49	22.52	25.67	23.52	38.45	-14.93
				25	12	21.64	24.79	22.64	38.45	-15.81
				50	0	21.60	24.75	22.60	38.45	-15.85
10	20450	829	16QAM	1	0	21.52	24.67	22.52	38.45	-15.93
				1	49	21.77	24.92	22.77	38.45	-15.68
				25	12	20.66	23.81	21.66	38.45	-16.79
				50	0	20.90	24.05	21.90	38.45	-16.55
	20525	836.5	16QAM	1	0	21.50	24.65	22.50	38.45	-15.95
				1	49	21.79	24.94	22.79	38.45	-15.66
				25	12	20.41	23.56	21.41	38.45	-17.04
				50	0	20.64	23.79	21.64	38.45	-16.81
	20600	844	16QAM	1	0	21.48	24.63	22.48	38.45	-15.97
				1	49	22.22	25.37	23.22	38.45	-15.23
				25	12	20.66	23.81	21.66	38.45	-16.79
				50	0	20.62	23.77	21.62	38.45	-16.83
10	20450	829	64QAM	1	0	21.31	24.46	22.31	38.45	-16.14
				1	49	20.19	23.34	21.19	38.45	-17.26
				25	12	19.65	22.80	20.65	38.45	-17.80
				50	0	19.96	23.11	20.96	38.45	-17.49
	20525	836.5	64QAM	1	0	21.08	24.23	22.08	38.45	-16.37
				1	49	20.68	23.83	21.68	38.45	-16.77
				25	12	19.68	22.83	20.68	38.45	-17.77
				50	0	19.63	22.78	20.63	38.45	-17.82
	20600	844	64QAM	1	0	20.23	23.38	21.23	38.45	-17.22
				1	49	20.45	23.60	21.45	38.45	-17.00
				25	12	19.16	22.31	20.16	38.45	-18.29
				50	0	19.66	22.81	20.66	38.45	-17.79

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.37								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	21.11	24.48	22.33	34.77	-12.44
				1	5	22.78	26.15	24.00	34.77	-10.77
				3	2	22.47	25.84	23.69	34.77	-11.08
				6	0	21.98	25.35	23.20	34.77	-11.57
	23095	707.5	QPSK	1	0	22.68	26.05	23.90	34.77	-10.87
				1	5	22.69	26.06	23.91	34.77	-10.86
				3	2	22.30	25.67	23.52	34.77	-11.25
				6	0	21.32	24.69	22.54	34.77	-12.23
	23173	715.3	QPSK	1	0	22.40	25.77	23.62	34.77	-11.15
				1	5	21.37	24.74	22.59	34.77	-12.18
				3	2	22.03	25.40	23.25	34.77	-11.52
				6	0	21.51	24.88	22.73	34.77	-12.04
1.4	23017	699.7	16QAM	1	0	21.75	25.12	22.97	34.77	-11.80
				1	5	22.08	25.45	23.30	34.77	-11.47
				3	2	22.02	25.39	23.24	34.77	-11.53
				6	0	20.75	24.12	21.97	34.77	-12.80
	23095	707.5	16QAM	1	0	21.76	25.13	22.98	34.77	-11.79
				1	5	20.94	24.31	22.16	34.77	-12.61
				3	2	21.86	25.23	23.08	34.77	-11.69
				6	0	20.18	23.55	21.40	34.77	-13.37
	23173	715.3	16QAM	1	0	21.60	24.97	22.82	34.77	-11.95
				1	5	21.36	24.73	22.58	34.77	-12.19
				3	2	21.24	24.61	22.46	34.77	-12.31
				6	0	20.50	23.87	21.72	34.77	-13.05
1.4	23017	699.7	64QAM	1	0	20.84	24.21	22.06	34.77	-12.71
				1	5	20.61	23.98	21.83	34.77	-12.94
				3	2	20.84	24.21	22.06	34.77	-12.71
				6	0	19.81	23.18	21.03	34.77	-13.74
	23095	707.5	64QAM	1	0	21.04	24.41	22.26	34.77	-12.51
				1	5	20.89	24.26	22.11	34.77	-12.66
				3	2	20.67	24.04	21.89	34.77	-12.88
				6	0	19.52	22.89	20.74	34.77	-14.03
	23173	715.3	64QAM	1	0	20.91	24.28	22.13	34.77	-12.64
				1	5	20.10	23.47	21.32	34.77	-13.45
				3	2	20.65	24.02	21.87	34.77	-12.90
				6	0	19.67	23.04	20.89	34.77	-13.88

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.37								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	22.61	25.98	23.83	34.77	-10.94
				1	14	22.82	26.19	24.04	34.77	-10.73
				8	4	21.97	25.34	23.19	34.77	-11.58
				15	0	21.95	25.32	23.17	34.77	-11.60
	23095	707.5	QPSK	1	0	22.82	26.19	24.04	34.77	-10.73
				1	14	22.57	25.94	23.79	34.77	-10.98
				8	4	21.94	25.31	23.16	34.77	-11.61
				15	0	21.89	25.26	23.11	34.77	-11.66
	23165	714.5	QPSK	1	0	22.73	26.10	23.95	34.77	-10.82
				1	14	22.67	26.04	23.89	34.77	-10.88
				8	4	21.55	24.92	22.77	34.77	-12.00
				15	0	21.85	25.22	23.07	34.77	-11.70
3	23025	700.5	16QAM	1	0	21.84	25.21	23.06	34.77	-11.71
				1	14	21.79	25.16	23.01	34.77	-11.76
				8	4	20.97	24.34	22.19	34.77	-12.58
				15	0	21.02	24.39	22.24	34.77	-12.53
	23095	707.5	16QAM	1	0	21.97	25.34	23.19	34.77	-11.58
				1	14	21.74	25.11	22.96	34.77	-11.81
				8	4	21.02	24.39	22.24	34.77	-12.53
				15	0	20.88	24.25	22.10	34.77	-12.67
	23165	714.5	16QAM	1	0	22.04	25.41	23.26	34.77	-11.51
				1	14	21.67	25.04	22.89	34.77	-11.88
				8	4	20.65	24.02	21.87	34.77	-12.90
				15	0	20.45	23.82	21.67	34.77	-13.10
3	23025	700.5	64QAM	1	0	20.48	23.85	21.70	34.77	-13.07
				1	14	20.70	24.07	21.92	34.77	-12.85
				8	4	20.11	23.48	21.33	34.77	-13.44
				15	0	20.03	23.40	21.25	34.77	-13.52
	23095	707.5	64QAM	1	0	20.89	24.26	22.11	34.77	-12.66
				1	14	20.12	23.49	21.34	34.77	-13.43
				8	4	20.06	23.43	21.28	34.77	-13.49
				15	0	19.68	23.05	20.90	34.77	-13.87
	23165	714.5	64QAM	1	0	20.66	24.03	21.88	34.77	-12.89
				1	14	20.66	24.03	21.88	34.77	-12.89
				8	4	20.01	23.38	21.23	34.77	-13.54
				15	0	18.69	22.06	19.91	34.77	-14.86

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.37								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	22.91	26.28	24.13	34.77	-10.64
				1	24	22.88	26.25	24.10	34.77	-10.67
				12	6	21.99	25.36	23.21	34.77	-11.56
				25	0	21.77	25.14	22.99	34.77	-11.78
	23095	707.5	QPSK	1	0	22.85	26.22	24.07	34.77	-10.70
				1	24	22.81	26.18	24.03	34.77	-10.74
				12	6	21.86	25.23	23.08	34.77	-11.69
				25	0	21.86	25.23	23.08	34.77	-11.69
	23155	713.5	QPSK	1	0	22.64	26.01	23.86	34.77	-10.91
				1	24	22.68	26.05	23.90	34.77	-10.87
				12	6	21.42	24.79	22.64	34.77	-12.13
				25	0	21.56	24.93	22.78	34.77	-11.99
5	23035	701.5	16QAM	1	0	22.10	25.47	23.32	34.77	-11.45
				1	24	22.23	25.60	23.45	34.77	-11.32
				12	6	21.03	24.40	22.25	34.77	-12.52
				25	0	21.00	24.37	22.22	34.77	-12.55
	23095	707.5	16QAM	1	0	21.78	25.15	23.00	34.77	-11.77
				1	24	22.17	25.54	23.39	34.77	-11.38
				12	6	20.75	24.12	21.97	34.77	-12.80
				25	0	20.92	24.29	22.14	34.77	-12.63
	23155	713.5	16QAM	1	0	22.19	25.56	23.41	34.77	-11.36
				1	24	21.28	24.65	22.50	34.77	-12.27
				12	6	20.63	24.00	21.85	34.77	-12.92
				25	0	20.84	24.21	22.06	34.77	-12.71
5	23035	701.5	64QAM	1	0	21.19	24.56	22.41	34.77	-12.36
				1	24	20.65	24.02	21.87	34.77	-12.90
				12	6	20.03	23.40	21.25	34.77	-13.52
				25	0	20.06	23.43	21.28	34.77	-13.49
	23095	707.5	64QAM	1	0	20.84	24.21	22.06	34.77	-12.71
				1	24	20.88	24.25	22.10	34.77	-12.67
				12	6	19.95	23.32	21.17	34.77	-13.60
				25	0	19.91	23.28	21.13	34.77	-13.64
	23155	713.5	64QAM	1	0	20.16	23.53	21.38	34.77	-13.39
				1	24	19.01	22.38	20.23	34.77	-14.54
				12	6	19.22	22.59	20.44	34.77	-14.33
				25	0	19.87	23.24	21.09	34.77	-13.68

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.37								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	22.77	26.14	23.99	34.77	-10.78
				1	49	22.77	26.14	23.99	34.77	-10.78
				25	12	22.00	25.37	23.22	34.77	-11.55
				50	0	21.99	25.36	23.21	34.77	-11.56
	23095	707.5	QPSK	1	0	22.47	25.84	23.69	34.77	-11.08
				1	49	22.54	25.91	23.76	34.77	-11.01
				25	12	21.43	24.80	22.65	34.77	-12.12
				50	0	21.37	24.74	22.59	34.77	-12.18
	23130	711	QPSK	1	0	22.53	25.90	23.75	34.77	-11.02
				1	49	22.32	25.69	23.54	34.77	-11.23
				25	12	21.83	25.20	23.05	34.77	-11.72
				50	0	21.48	24.85	22.70	34.77	-12.07
10	23060	704	16QAM	1	0	21.85	25.22	23.07	34.77	-11.70
				1	49	21.93	25.30	23.15	34.77	-11.62
				25	12	20.76	24.13	21.98	34.77	-12.79
				50	0	21.03	24.40	22.25	34.77	-12.52
	23095	707.5	16QAM	1	0	21.81	25.18	23.03	34.77	-11.74
				1	49	21.66	25.03	22.88	34.77	-11.89
				25	12	20.72	24.09	21.94	34.77	-12.83
				50	0	20.88	24.25	22.10	34.77	-12.67
	23130	711	16QAM	1	0	22.00	25.37	23.22	34.77	-11.55
				1	49	21.53	24.90	22.75	34.77	-12.02
				25	12	20.92	24.29	22.14	34.77	-12.63
				50	0	20.66	24.03	21.88	34.77	-12.89
10	23060	704	64QAM	1	0	20.68	24.05	21.90	34.77	-12.87
				1	49	21.04	24.41	22.26	34.77	-12.51
				25	12	20.03	23.40	21.25	34.77	-13.52
				50	0	19.99	23.36	21.21	34.77	-13.56
	23095	707.5	64QAM	1	0	20.92	24.29	22.14	34.77	-12.63
				1	49	20.68	24.05	21.90	34.77	-12.87
				25	12	19.94	23.31	21.16	34.77	-13.61
				50	0	19.90	23.27	21.12	34.77	-13.65
	23130	711	64QAM	1	0	20.91	24.28	22.13	34.77	-12.64
				1	49	20.75	24.12	21.97	34.77	-12.80
				25	12	19.83	23.20	21.05	34.77	-13.72
				50	0	19.83	23.20	21.05	34.77	-13.72

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.37								
LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23205	779.5	QPSK	1	0	22.61	25.98	23.83	34.77	-10.94
				1	24	22.63	26.00	23.85	34.77	-10.92
				12	6	21.77	25.14	22.99	34.77	-11.78
				25	0	21.46	24.83	22.68	34.77	-12.09
	23230	782	QPSK	1	0	22.46	25.83	23.68	34.77	-11.09
				1	24	22.49	25.86	23.71	34.77	-11.06
				12	6	21.72	25.09	22.94	34.77	-11.83
				25	0	21.68	25.05	22.90	34.77	-11.87
	23255	784.5	QPSK	1	0	22.55	25.92	23.77	34.77	-11.00
				1	24	22.55	25.92	23.77	34.77	-11.00
				12	6	21.63	25.00	22.85	34.77	-11.92
				25	0	21.67	25.04	22.89	34.77	-11.88
5	23205	779.5	16QAM	1	0	21.98	25.35	23.20	34.77	-11.57
				1	24	22.05	25.42	23.27	34.77	-11.50
				12	6	20.89	24.26	22.11	34.77	-12.66
				25	0	20.82	24.19	22.04	34.77	-12.73
	23230	782	16QAM	1	0	22.10	25.47	23.32	34.77	-11.45
				1	24	22.07	25.44	23.29	34.77	-11.48
				12	6	20.53	23.90	21.75	34.77	-13.02
				25	0	20.53	23.90	21.75	34.77	-13.02
	23255	784.5	16QAM	1	0	21.70	25.07	22.92	34.77	-11.85
				1	24	21.56	24.93	22.78	34.77	-11.99
				12	6	20.62	23.99	21.84	34.77	-12.93
				25	0	20.38	23.75	21.60	34.77	-13.17
5	23205	779.5	64QAM	1	0	20.99	24.36	22.21	34.77	-12.56
				1	24	20.27	23.64	21.49	34.77	-13.28
				12	6	19.83	23.20	21.05	34.77	-13.72
				25	0	19.82	23.19	21.04	34.77	-13.73
	23230	782	64QAM	1	0	21.20	24.57	22.42	34.77	-12.35
				1	24	20.74	24.11	21.96	34.77	-12.81
				12	6	19.71	23.08	20.93	34.77	-13.84
				25	0	19.74	23.11	20.96	34.77	-13.81
	23255	784.5	64QAM	1	0	20.81	24.18	22.03	34.77	-12.74
				1	24	20.67	24.04	21.89	34.77	-12.88
				12	6	19.50	22.87	20.72	34.77	-14.05
				25	0	19.68	23.05	20.90	34.77	-13.87

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.37								
LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23230	782	QPSK	1	0	22.41	25.78	23.63	34.77	-11.14
				1	49	22.64	26.01	23.86	34.77	-10.91
				25	12	21.75	25.12	22.97	34.77	-11.80
				50	0	21.74	25.11	22.96	34.77	-11.81
10	23230	782	16QAM	1	0	21.39	24.76	22.61	34.77	-12.16
				1	49	21.49	24.86	22.71	34.77	-12.06
				25	12	20.73	24.10	21.95	34.77	-12.82
				50	0	20.63	24.00	21.85	34.77	-12.92
10	23230	782	64QAM	1	0	20.84	24.21	22.06	34.77	-12.71
				1	49	20.27	23.64	21.49	34.77	-13.28
				25	12	19.80	23.17	21.02	34.77	-13.75
				50	0	19.79	23.16	21.01	34.77	-13.76

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	131979	1710.7	QPSK	1	0	22.93	26.25	30	-3.75
				1	5	22.47	25.79	30	-4.21
				3	2	23.01	26.33	30	-3.67
				6	0	22.02	25.34	30	-4.66
	132322	1745	QPSK	1	0	22.93	26.25	30	-3.75
				1	5	22.50	25.82	30	-4.18
				3	2	23.07	26.39	30	-3.61
				6	0	22.16	25.48	30	-4.52
	132665	1779.3	QPSK	1	0	22.91	26.23	30	-3.77
				1	5	22.53	25.85	30	-4.15
				3	2	23.05	26.37	30	-3.63
				6	0	22.11	25.43	30	-4.57
1.4	131979	1710.7	16QAM	1	0	22.27	25.59	30	-4.41
				1	5	22.05	25.37	30	-4.63
				3	2	22.00	25.32	30	-4.68
				6	0	21.09	24.41	30	-5.59
	132322	1745	16QAM	1	0	22.63	25.95	30	-4.05
				1	5	22.05	25.37	30	-4.63
				3	2	22.30	25.62	30	-4.38
				6	0	21.20	24.52	30	-5.48
	132665	1779.3	16QAM	1	0	22.09	25.41	30	-4.59
				1	5	21.83	25.15	30	-4.85
				3	2	21.84	25.16	30	-4.84
				6	0	21.16	24.48	30	-5.52
1.4	131979	1710.7	64QAM	1	0	21.37	24.69	30	-5.31
				1	5	21.01	24.33	30	-5.67
				3	2	21.14	24.46	30	-5.54
				6	0	20.07	23.39	30	-6.61
	132322	1745	64QAM	1	0	21.05	24.37	30	-5.63
				1	5	20.92	24.24	30	-5.76
				3	2	21.26	24.58	30	-5.42
				6	0	20.25	23.57	30	-6.43
	132665	1779.3	64QAM	1	0	21.31	24.63	30	-5.37
				1	5	21.03	24.35	30	-5.65
				3	2	20.78	24.10	30	-5.9
				6	0	20.20	23.52	30	-6.48

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	22.72	26.04	30	-3.96
				1	14	22.82	26.14	30	-3.86
				8	4	22.12	25.44	30	-4.56
				15	0	22.08	25.40	30	-4.6
	132322	1745	QPSK	1	0	22.56	25.88	30	-4.12
				1	14	22.62	25.94	30	-4.06
				8	4	22.16	25.48	30	-4.52
				15	0	22.12	25.44	30	-4.56
	132657	1778.5	QPSK	1	0	22.82	26.14	30	-3.86
				1	14	22.79	26.11	30	-3.89
				8	4	22.15	25.47	30	-4.53
				15	0	22.12	25.44	30	-4.56
3	131987	1711.5	16QAM	1	0	21.94	25.26	30	-4.74
				1	14	21.82	25.14	30	-4.86
				8	4	21.12	24.44	30	-5.56
				15	0	21.13	24.45	30	-5.55
	132322	1745	16QAM	1	0	22.19	25.51	30	-4.49
				1	14	22.60	25.92	30	-4.08
				8	4	21.26	24.58	30	-5.42
				15	0	21.20	24.52	30	-5.48
	132657	1778.5	16QAM	1	0	22.08	25.40	30	-4.6
				1	14	22.37	25.69	30	-4.31
				8	4	21.20	24.52	30	-5.48
				15	0	21.20	24.52	30	-5.48
3	131987	1711.5	64QAM	1	0	21.27	24.59	30	-5.41
				1	14	20.97	24.29	30	-5.71
				8	4	20.21	23.53	30	-6.47
				15	0	20.14	23.46	30	-6.54
	132322	1745	64QAM	1	0	20.97	24.29	30	-5.71
				1	14	21.44	24.76	30	-5.24
				8	4	20.28	23.60	30	-6.4
				15	0	20.20	23.52	30	-6.48
	132657	1778.5	64QAM	1	0	21.03	24.35	30	-5.65
				1	14	21.11	24.43	30	-5.57
				8	4	20.19	23.51	30	-6.49
				15	0	20.19	23.51	30	-6.49

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	131997	1712.5	QPSK	1	0	22.46	25.78	30	-4.22
				1	24	22.32	25.64	30	-4.36
				12	6	22.11	25.43	30	-4.57
				25	0	22.13	25.45	30	-4.55
	132322	1745	QPSK	1	0	22.58	25.90	30	-4.1
				1	24	22.52	25.84	30	-4.16
				12	6	22.16	25.48	30	-4.52
				25	0	22.15	25.47	30	-4.53
	132647	1777.5	QPSK	1	0	22.32	25.64	30	-4.36
				1	24	22.35	25.67	30	-4.33
				12	6	22.20	25.52	30	-4.48
				25	0	22.17	25.49	30	-4.51
5	131997	1712.5	16QAM	1	0	22.13	25.45	30	-4.55
				1	24	22.02	25.34	30	-4.66
				12	6	21.09	24.41	30	-5.59
				25	0	21.12	24.44	30	-5.56
	132322	1745	16QAM	1	0	21.78	25.10	30	-4.9
				1	24	21.55	24.87	30	-5.13
				12	6	21.18	24.50	30	-5.5
				25	0	21.15	24.47	30	-5.53
	132647	1777.5	16QAM	1	0	21.72	25.04	30	-4.96
				1	24	22.27	25.59	30	-4.41
				12	6	21.31	24.63	30	-5.37
				25	0	21.19	24.51	30	-5.49
5	131997	1712.5	64QAM	1	0	21.16	24.48	30	-5.52
				1	24	21.24	24.56	30	-5.44
				12	6	20.19	23.51	30	-6.49
				25	0	20.11	23.43	30	-6.57
	132322	1745	64QAM	1	0	20.86	24.18	30	-5.82
				1	24	21.24	24.56	30	-5.44
				12	6	20.29	23.61	30	-6.39
				25	0	20.17	23.49	30	-6.51
	132647	1777.5	64QAM	1	0	20.98	24.30	30	-5.7
				1	24	21.37	24.69	30	-5.31
				12	6	20.28	23.60	30	-6.4
				25	0	20.32	23.64	30	-6.36

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	132022	1715	QPSK	1	0	22.91	26.23	30	-3.77
				1	49	23.06	26.38	30	-3.62
				25	12	22.14	25.46	30	-4.54
				50	0	22.10	25.42	30	-4.58
	132322	1745	QPSK	1	0	23.14	26.46	30	-3.54
				1	49	22.76	26.08	30	-3.92
				25	12	22.16	25.48	30	-4.52
				50	0	22.13	25.45	30	-4.55
	132622	1775	QPSK	1	0	22.96	26.28	30	-3.72
				1	49	23.00	26.32	30	-3.68
				25	12	22.08	25.40	30	-4.6
				50	0	22.16	25.48	30	-4.52
10	132022	1715	16QAM	1	0	22.19	25.51	30	-4.49
				1	49	21.62	24.94	30	-5.06
				25	12	21.13	24.45	30	-5.55
				50	0	21.11	24.43	30	-5.57
	132322	1745	16QAM	1	0	22.30	25.62	30	-4.38
				1	49	22.21	25.53	30	-4.47
				25	12	21.18	24.50	30	-5.5
				50	0	21.12	24.44	30	-5.56
	132622	1775	16QAM	1	0	22.38	25.70	30	-4.3
				1	49	22.41	25.73	30	-4.27
				25	12	21.15	24.47	30	-5.53
				50	0	21.12	24.44	30	-5.56
10	132022	1715	64QAM	1	0	21.08	24.40	30	-5.6
				1	49	20.99	24.31	30	-5.69
				25	12	20.13	23.45	30	-6.55
				50	0	20.16	23.48	30	-6.52
	132322	1745	64QAM	1	0	21.65	24.97	30	-5.03
				1	49	21.17	24.49	30	-5.51
				25	12	20.15	23.47	30	-6.53
				50	0	20.12	23.44	30	-6.56
	132622	1775	64QAM	1	0	21.35	24.67	30	-5.33
				1	49	20.92	24.24	30	-5.76
				25	12	20.21	23.53	30	-6.47
				50	0	20.13	23.45	30	-6.55

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	132047	1717.5	QPSK	1	0	22.57	25.89	30	-4.11
				1	74	21.93	25.25	30	-4.75
				36	18	22.16	25.48	30	-4.52
				75	0	22.06	25.38	30	-4.62
	132322	1745	QPSK	1	0	22.54	25.86	30	-4.14
				1	74	22.78	26.10	30	-3.9
				36	18	22.15	25.47	30	-4.53
				75	0	22.08	25.40	30	-4.6
	132597	1772.5	QPSK	1	0	22.87	26.19	30	-3.81
				1	74	22.91	26.23	30	-3.77
				36	18	22.21	25.53	30	-4.47
				75	0	22.19	25.51	30	-4.49
15	132047	1717.5	16QAM	1	0	22.12	25.44	30	-4.56
				1	74	21.77	25.09	30	-4.91
				36	18	21.22	24.54	30	-5.46
				75	0	21.12	24.44	30	-5.56
	132322	1745	16QAM	1	0	22.23	25.55	30	-4.45
				1	74	22.12	25.44	30	-4.56
				36	18	21.16	24.48	30	-5.52
				75	0	21.20	24.52	30	-5.48
	132597	1772.5	16QAM	1	0	22.49	25.81	30	-4.19
				1	74	22.09	25.41	30	-4.59
				36	18	21.23	24.55	30	-5.45
				75	0	21.18	24.50	30	-5.5
15	132047	1717.5	64QAM	1	0	20.96	24.28	30	-5.72
				1	74	20.79	24.11	30	-5.89
				36	18	20.19	23.51	30	-6.49
				75	0	20.16	23.48	30	-6.52
	132322	1745	64QAM	1	0	21.44	24.76	30	-5.24
				1	74	21.27	24.59	30	-5.41
				36	18	20.21	23.53	30	-6.47
				75	0	20.16	23.48	30	-6.52
	132597	1772.5	64QAM	1	0	21.32	24.64	30	-5.36
				1	74	21.06	24.38	30	-5.62
				36	18	20.22	23.54	30	-6.46
				75	0	20.26	23.58	30	-6.42

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.32							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	132072	1720	QPSK	1	0	22.08	25.40	30	-4.6
				1	99	22.60	25.92	30	-4.08
				50	25	22.14	25.46	30	-4.54
				100	0	22.16	25.48	30	-4.52
	132322	1745	QPSK	1	0	23.04	26.36	30	-3.64
				1	99	23.03	26.35	30	-3.65
				50	25	22.11	25.43	30	-4.57
				100	0	22.12	25.44	30	-4.56
	132572	1770	QPSK	1	0	22.90	26.22	30	-3.78
				1	99	22.73	26.05	30	-3.95
				50	25	22.19	25.51	30	-4.49
				100	0	22.12	25.44	30	-4.56
20	132072	1720	16QAM	1	0	22.14	25.46	30	-4.54
				1	99	22.22	25.54	30	-4.46
				50	25	21.19	24.51	30	-5.49
				100	0	21.15	24.47	30	-5.53
	132322	1745	16QAM	1	0	22.38	25.70	30	-4.3
				1	99	22.43	25.75	30	-4.25
				50	25	21.19	24.51	30	-5.49
				100	0	21.14	24.46	30	-5.54
	132572	1770	16QAM	1	0	22.27	25.59	30	-4.41
				1	99	21.74	25.06	30	-4.94
				50	25	21.24	24.56	30	-5.44
				100	0	21.09	24.41	30	-5.59
20	132072	1720	64QAM	1	0	20.59	23.91	30	-6.09
				1	99	20.65	23.97	30	-6.03
				50	25	20.17	23.49	30	-6.51
				100	0	20.11	23.43	30	-6.57
	132322	1745	64QAM	1	0	21.31	24.63	30	-5.37
				1	99	21.06	24.38	30	-5.62
				50	25	20.17	23.49	30	-6.51
				100	0	20.18	23.50	30	-6.5
	132572	1770	64QAM	1	0	21.26	24.58	30	-5.42
				1	99	21.21	24.53	30	-5.47
				50	25	20.28	23.60	30	-6.4
				100	0	20.15	23.47	30	-6.53

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.73								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	133147	665.5	QPSK	1	0	23.45	27.18	25.03	34.77	-9.74
				1	24	23.30	27.03	24.88	34.77	-9.89
				12	6	22.53	26.26	24.11	34.77	-10.66
				25	0	22.55	26.28	24.13	34.77	-10.64
	133297	680.5	QPSK	1	0	22.42	26.15	24.00	34.77	-10.77
				1	24	23.18	26.91	24.76	34.77	-10.01
				12	6	22.41	26.14	23.99	34.77	-10.78
				25	0	22.34	26.07	23.92	34.77	-10.85
	133447	695.5	QPSK	1	0	23.00	26.73	24.58	34.77	-10.19
				1	24	23.18	26.91	24.76	34.77	-10.01
				12	6	22.36	26.09	23.94	34.77	-10.83
				25	0	22.29	26.02	23.87	34.77	-10.90
5	133147	665.5	16QAM	1	0	22.14	25.87	23.72	34.77	-11.05
				1	24	22.46	26.19	24.04	34.77	-10.73
				12	6	21.54	25.27	23.12	34.77	-11.65
				25	0	21.54	25.27	23.12	34.77	-11.65
	133297	680.5	16QAM	1	0	22.32	26.05	23.90	34.77	-10.87
				1	24	22.38	26.11	23.96	34.77	-10.81
				12	6	21.48	25.21	23.06	34.77	-11.71
				25	0	21.43	25.16	23.01	34.77	-11.76
	133447	695.5	16QAM	1	0	22.31	26.04	23.89	34.77	-10.88
				1	24	22.42	26.15	24.00	34.77	-10.77
				12	6	21.39	25.12	22.97	34.77	-11.80
				25	0	21.40	25.13	22.98	34.77	-11.79
5	133147	665.5	64QAM	1	0	20.83	24.56	22.41	34.77	-12.36
				1	24	20.88	24.61	22.46	34.77	-12.31
				12	6	20.55	24.28	22.13	34.77	-12.64
				25	0	20.53	24.26	22.11	34.77	-12.66
	133297	680.5	64QAM	1	0	21.23	24.96	22.81	34.77	-11.96
				1	24	21.41	25.14	22.99	34.77	-11.78
				12	6	20.45	24.18	22.03	34.77	-12.74
				25	0	20.39	24.12	21.97	34.77	-12.80
	133447	695.5	64QAM	1	0	21.30	25.03	22.88	34.77	-11.89
				1	24	21.00	24.73	22.58	34.77	-12.19
				12	6	20.44	24.17	22.02	34.77	-12.75
				25	0	20.38	24.11	21.96	34.77	-12.81

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.73								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	133172	668	QPSK	1	0	23.51	27.24	25.09	34.77	-9.68
				1	49	23.29	27.02	24.87	34.77	-9.90
				25	12	22.58	26.31	24.16	34.77	-10.61
				50	0	22.51	26.24	24.09	34.77	-10.68
	133297	680.5	QPSK	1	0	23.21	26.94	24.79	34.77	-9.98
				1	49	23.26	26.99	24.84	34.77	-9.93
				25	12	22.41	26.14	23.99	34.77	-10.78
				50	0	22.31	26.04	23.89	34.77	-10.88
	133422	693	QPSK	1	0	23.10	26.83	24.68	34.77	-10.09
				1	49	22.82	26.55	24.40	34.77	-10.37
				25	12	22.26	25.99	23.84	34.77	-10.93
				50	0	22.34	26.07	23.92	34.77	-10.85
10	133172	668	16QAM	1	0	22.66	26.39	24.24	34.77	-10.53
				1	49	22.77	26.50	24.35	34.77	-10.42
				25	12	21.60	25.33	23.18	34.77	-11.59
				50	0	21.50	25.23	23.08	34.77	-11.69
	133297	680.5	16QAM	1	0	22.09	25.82	23.67	34.77	-11.10
				1	49	22.28	26.01	23.86	34.77	-10.91
				25	12	21.49	25.22	23.07	34.77	-11.70
				50	0	21.44	25.17	23.02	34.77	-11.75
	133422	693	16QAM	1	0	22.39	26.12	23.97	34.77	-10.80
				1	49	22.07	25.80	23.65	34.77	-11.12
				25	12	21.38	25.11	22.96	34.77	-11.81
				50	0	21.30	25.03	22.88	34.77	-11.89
10	133172	668	64QAM	1	0	21.80	25.53	23.38	34.77	-11.39
				1	49	21.45	25.18	23.03	34.77	-11.74
				25	12	20.60	24.33	22.18	34.77	-12.59
				50	0	20.53	24.26	22.11	34.77	-12.66
	133297	680.5	64QAM	1	0	21.67	25.40	23.25	34.77	-11.52
				1	49	21.78	25.51	23.36	34.77	-11.41
				25	12	20.39	24.12	21.97	34.77	-12.80
				50	0	20.35	24.08	21.93	34.77	-12.84
	133422	693	64QAM	1	0	21.21	24.94	22.79	34.77	-11.98
				1	49	21.54	25.27	23.12	34.77	-11.65
				25	12	20.40	24.13	21.98	34.77	-12.79
				50	0	20.30	24.03	21.88	34.77	-12.89

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.73								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	133197	670.5	QPSK	1	0	23.34	27.07	24.92	34.77	-9.85
				1	74	23.34	27.07	24.92	34.77	-9.85
				36	18	22.52	26.25	24.10	34.77	-10.67
				75	0	22.48	26.21	24.06	34.77	-10.71
	133297	680.5	QPSK	1	0	23.18	26.91	24.76	34.77	-10.01
				1	74	23.05	26.78	24.63	34.77	-10.14
				36	18	22.40	26.13	23.98	34.77	-10.79
				75	0	22.32	26.05	23.90	34.77	-10.87
	133397	690.5	QPSK	1	0	23.29	27.02	24.87	34.77	-9.90
				1	74	23.25	26.98	24.83	34.77	-9.94
				36	18	22.32	26.05	23.90	34.77	-10.87
				75	0	22.40	26.13	23.98	34.77	-10.79
15	133197	670.5	16QAM	1	0	22.57	26.30	24.15	34.77	-10.62
				1	74	22.23	25.96	23.81	34.77	-10.96
				36	18	21.57	25.30	23.15	34.77	-11.62
				75	0	21.48	25.21	23.06	34.77	-11.71
	133297	680.5	16QAM	1	0	22.33	26.06	23.91	34.77	-10.86
				1	74	22.41	26.14	23.99	34.77	-10.78
				36	18	21.53	25.26	23.11	34.77	-11.66
				75	0	21.43	25.16	23.01	34.77	-11.76
	133397	690.5	16QAM	1	0	22.38	26.11	23.96	34.77	-10.81
				1	74	22.64	26.37	24.22	34.77	-10.55
				36	18	21.37	25.10	22.95	34.77	-11.82
				75	0	21.38	25.11	22.96	34.77	-11.81
15	133197	670.5	64QAM	1	0	21.27	25.00	22.85	34.77	-11.92
				1	74	21.64	25.37	23.22	34.77	-11.55
				36	18	20.35	24.08	21.93	34.77	-12.84
				75	0	20.61	24.34	22.19	34.77	-12.58
	133297	680.5	64QAM	1	0	21.32	25.05	22.90	34.77	-11.87
				1	74	20.95	24.68	22.53	34.77	-12.24
				36	18	20.46	24.19	22.04	34.77	-12.73
				75	0	20.44	24.17	22.02	34.77	-12.75
	133397	690.5	64QAM	1	0	21.43	25.16	23.01	34.77	-11.76
				1	74	21.33	25.06	22.91	34.77	-11.86
				36	18	20.31	24.04	21.89	34.77	-12.88
				75	0	20.39	24.12	21.97	34.77	-12.80

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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Antenna gain (dBi)		3.73								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
20	133222	673	QPSK	1	0	23.55	27.28	25.13	34.77	-9.64
				1	99	23.34	27.07	24.92	34.77	-9.85
				50	25	22.52	26.25	24.10	34.77	-10.67
				100	0	22.47	26.20	24.05	34.77	-10.72
	133297	680.5	QPSK	1	0	23.38	27.11	24.96	34.77	-9.81
				1	99	23.12	26.85	24.70	34.77	-10.07
				50	25	22.39	26.12	23.97	34.77	-10.80
				100	0	22.29	26.02	23.87	34.77	-10.90
	133372	688	QPSK	1	0	23.28	27.01	24.86	34.77	-9.91
				1	99	23.19	26.92	24.77	34.77	-10.00
				50	25	22.45	26.18	24.03	34.77	-10.74
				100	0	22.30	26.03	23.88	34.77	-10.89
20	133222	673	16QAM	1	0	21.79	25.52	23.37	34.77	-11.40
				1	99	22.11	25.84	23.69	34.77	-11.08
				50	25	21.55	25.28	23.13	34.77	-11.64
				100	0	21.53	25.26	23.11	34.77	-11.66
	133297	680.5	16QAM	1	0	22.28	26.01	23.86	34.77	-10.91
				1	99	22.08	25.81	23.66	34.77	-11.11
				50	25	21.50	25.23	23.08	34.77	-11.69
				100	0	21.35	25.08	22.93	34.77	-11.84
	133372	688	16QAM	1	0	22.52	26.25	24.10	34.77	-10.67
				1	99	22.27	26.00	23.85	34.77	-10.92
				50	25	21.40	25.13	22.98	34.77	-11.79
				100	0	21.29	25.02	22.87	34.77	-11.90
20	133222	673	64QAM	1	0	21.30	25.03	22.88	34.77	-11.89
				1	99	21.40	25.13	22.98	34.77	-11.79
				50	25	20.51	24.24	22.09	34.77	-12.68
				100	0	20.61	24.34	22.19	34.77	-12.58
	133297	680.5	64QAM	1	0	20.97	24.70	22.55	34.77	-12.22
				1	99	21.09	24.82	22.67	34.77	-12.10
				50	25	20.44	24.17	22.02	34.77	-12.75
				100	0	20.34	24.07	21.92	34.77	-12.85
	133372	688	64QAM	1	0	21.05	24.78	22.63	34.77	-12.14
				1	99	21.16	24.89	22.74	34.77	-12.03
				50	25	20.40	24.13	21.98	34.77	-12.79
				100	0	20.40	24.13	21.98	34.77	-12.79

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

2 OCCUPIED BANDWIDTH MEASUREMENT

LTE BAND 2 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1850.7	18607	1.0845	1.0853	1.0878	1.222	1.223	1.224
1880.0	18900	1.0871	1.0877	1.0874	1.222	1.223	1.217
1909.3	19193	1.0850	1.0900	1.0902	1.229	1.222	1.217

LTE BAND 2 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1851.5	18615	2.6823	2.6898	2.6871	2.952	2.981	2.951
1880.0	18900	2.6861	2.6883	2.6860	2.954	2.979	2.935
1908.5	19185	2.6926	2.6953	2.6898	2.957	2.958	2.960

LTE BAND 2 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1852.5	18625	4.4855	4.4969	4.4907	4.945	4.910	4.928
1880.0	18900	4.4925	4.4772	4.4941	4.948	4.919	4.948
1907.5	19175	4.4959	4.4906	4.4917	4.939	4.902	4.950

LTE BAND 2 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1855.0	18650	8.9649	8.9709	8.9631	9.765	9.693	9.700
1880.0	18900	8.9602	8.9696	8.9452	9.761	9.725	9.679
1905.0	19150	8.9541	8.9472	8.9704	9.749	9.758	9.799

LTE BAND 2 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1857.5	18675	13.4260	13.4330	13.4440	14.490	14.530	14.560
1880.0	18900	13.4580	13.4330	13.4700	14.510	14.680	14.660
1902.5	19125	13.4260	13.4380	13.4350	14.550	14.580	14.640

LTE BAND 2 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1860.0	18700	17.8880	17.8860	17.8950	19.330	19.290	20.470
1880.0	18900	17.8980	17.8870	17.9310	19.290	19.460	20.180
1900.0	19100	17.8470	17.9030	17.9140	19.380	19.230	19.400

LTE BAND 4 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1710.7	19957	1.0852	1.0872	1.0897	1.223	1.218	1.219
1732.5	20175	1.0811	1.0896	1.0864	1.222	1.230	1.222
1754.3	20393	1.0882	1.0878	1.0845	1.231	1.228	1.225

LTE BAND 4 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1711.5	19965	2.7009	2.6925	2.6954	2.978	3.003	2.977
1732.5	20175	2.6919	2.6981	2.6955	2.977	2.985	2.971
1753.5	20385	2.6878	2.6989	2.6965	2.961	2.998	2.967

LTE BAND 4 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1712.5	19975	4.4987	4.4898	4.4927	4.896	4.903	4.890
1732.5	20175	4.4887	4.4948	4.4806	4.941	4.954	4.927
1752.5	20375	4.5053	4.4892	4.4837	4.932	4.932	4.918

LTE BAND 4 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1715.0	20000	8.9700	8.9647	8.9709	9.825	9.757	9.639
1732.5	20175	8.9572	8.9512	8.9560	9.742	9.749	9.728
1750.0	20350	8.9663	8.9546	8.9717	9.829	9.678	9.715

LTE BAND 4 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1717.5	20025	13.4520	13.4750	13.4420	14.500	14.560	14.570
1732.5	20175	13.4200	13.4050	13.4320	14.530	14.600	14.480
1747.5	20325	13.4990	13.4750	13.4360	14.490	15.840	14.530

LTE BAND 4 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1720.0	20050	17.8950	17.9050	17.9000	19.240	19.270	19.220
1732.5	20175	17.9310	17.9120	17.8660	19.290	19.400	19.270
1745.0	20300	17.9230	17.9030	17.9360	19.430	19.370	19.380

LTE BAND 5 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
824.7	20407	1.0869	1.0871	1.0854	1.219	1.226	1.208
836.5	20525	1.0849	1.0862	1.0845	1.232	1.220	1.224
848.3	20643	1.0870	1.0867	1.0854	1.218	1.230	1.231

LTE BAND 5 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
825.5	20415	2.6920	2.6871	2.6972	2.952	2.970	2.964
836.5	20525	2.6826	2.6921	2.6968	2.983	2.980	2.987
847.5	20635	2.6942	2.6963	2.6867	2.970	2.986	2.978

LTE BAND 5 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
826.5	20425	4.4878	4.4936	4.4952	4.914	4.923	4.935
836.5	20525	4.4988	4.4890	4.4924	4.951	4.909	4.929
846.5	20625	4.4882	4.4845	4.4889	4.932	4.908	4.920

LTE BAND 5 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
829.0	20450	8.9719	8.9770	8.9743	9.802	9.762	9.740
836.5	20525	8.9663	8.9541	8.9632	9.690	9.730	9.778
844.0	20600	8.9847	8.9618	8.9643	9.800	9.651	9.751

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 12 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
699.7	23017	1.0829	1.0865	1.0838	1.224	1.222	1.217
707.5	23095	1.0857	1.0892	1.0856	1.230	1.221	1.223
715.3	23173	1.0865	1.0868	1.0825	1.221	1.222	1.227

LTE BAND 12 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
700.5	23025	2.6916	2.6924	2.6976	2.992	2.969	2.992
707.5	23095	2.6954	2.6960	2.6889	2.985	2.957	2.955
714.5	23165	2.6891	2.6894	2.6973	2.976	2.982	2.972

LTE BAND 12 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
701.5	23035	4.4941	4.4862	4.4838	4.917	4.915	4.896
707.5	23095	4.4827	4.4818	4.4752	4.952	4.953	4.909
713.5	23155	4.4932	4.4882	4.4953	4.980	4.925	4.938

LTE BAND 12 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
704.0	23060	8.9469	8.9384	8.9475	9.699	9.719	9.689
707.5	23095	8.9545	8.9284	8.9400	9.783	9.704	9.659
711.0	23130	8.9510	8.9494	8.9662	9.726	9.768	9.795

LTE BAND 13 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
779.5	23205	4.4900	4.4778	4.5066	4.938	4.897	4.919
782.0	23230	4.4879	4.4730	4.4960	4.881	4.903	4.895
784.5	23255	4.4955	4.4840	4.4936	4.908	4.918	4.918

LTE BAND 13 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
782.0	23230	8.9670	8.9557	8.9479	9.656	9.788	9.724

LTE BAND 66 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1710.7	131979	1.0872	1.0849	1.0861	1.224	1.228	1.224
1745.0	132322	1.0876	1.0828	1.0862	1.220	1.220	1.225
1779.3	132665	1.0872	1.0879	1.0846	1.223	1.220	1.223

LTE BAND 66 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1711.5	131987	2.6950	2.6941	2.6889	2.974	2.976	2.989
1745.0	132322	2.6891	2.6952	2.6929	2.947	2.982	2.958
1778.5	132657	2.6892	2.6920	2.6962	2.994	2.966	2.957

LTE BAND 66 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1712.5	131997	4.4957	4.4855	4.4869	4.894	4.894	4.913
1745.0	132322	4.5006	4.4947	4.4918	4.912	4.925	4.897
1777.5	132647	4.4824	4.4748	4.4874	4.920	4.946	4.911

LTE BAND 66 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1715.0	132022	8.9537	8.9596	8.9676	9.754	9.750	9.714
1745.0	132322	8.9654	8.9624	8.9711	9.818	9.706	9.736
1775.0	132622	8.9827	8.9403	8.9600	9.764	9.727	9.765

LTE BAND 66 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1717.5	132047	13.4270	13.4240	13.4590	14.490	14.570	14.670
1745.0	132322	13.4310	13.4520	13.4590	14.570	14.490	14.590
1772.5	132597	13.4570	13.4750	13.4440	14.800	14.570	14.590

LTE BAND 66 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1720.0	132072	17.9130	17.8700	17.9390	19.290	19.210	19.290
1745.0	132322	17.9130	17.9260	17.9380	19.270	19.270	19.350
1770.0	132572	17.9440	17.9150	17.9260	19.340	19.340	19.240

LTE BAND 71 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
665.5	133147	4.4847	4.4881	4.4868	4.888	4.898	4.915
680.5	133297	4.4856	4.4940	4.4941	4.916	4.924	4.947
695.5	133447	4.4833	4.4943	4.4860	4.913	4.909	4.910

LTE BAND 71 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
668.0	133172	8.9457	8.9585	8.9458	9.785	9.766	9.723
680.5	133297	8.9713	8.9542	8.9534	9.743	9.668	9.698
693.0	133422	8.9734	8.9552	8.9505	9.729	9.771	9.723

LTE BAND 71 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
670.5	133197	13.4160	13.4070	13.4400	14.520	14.480	14.520
680.5	133297	13.4290	13.4160	13.4210	16.380	14.580	15.340
690.5	133397	13.4290	13.4190	13.4260	14.630	14.490	14.550

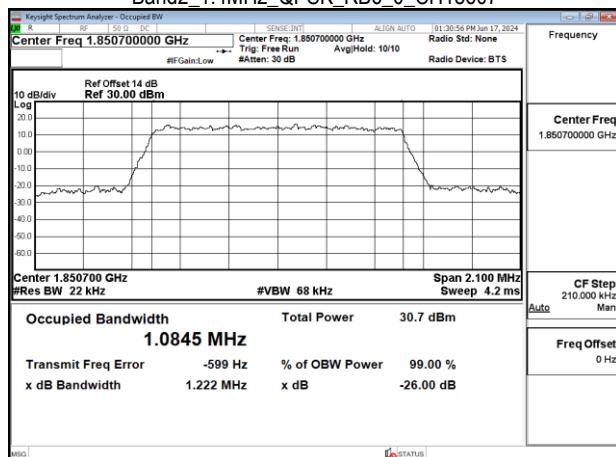
LTE BAND 71 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
673.0	133222	17.8680	17.9040	17.8900	19.190	19.400	19.360
680.5	133297	17.8520	17.8840	17.8840	19.510	19.260	19.270
688.0	133372	17.8770	17.9370	17.9130	19.320	19.230	19.330

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.

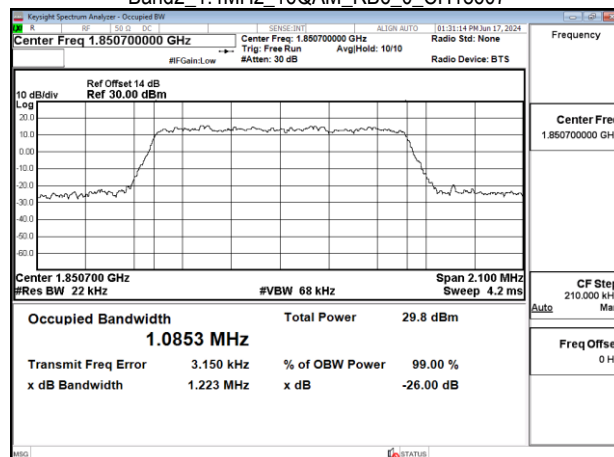
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

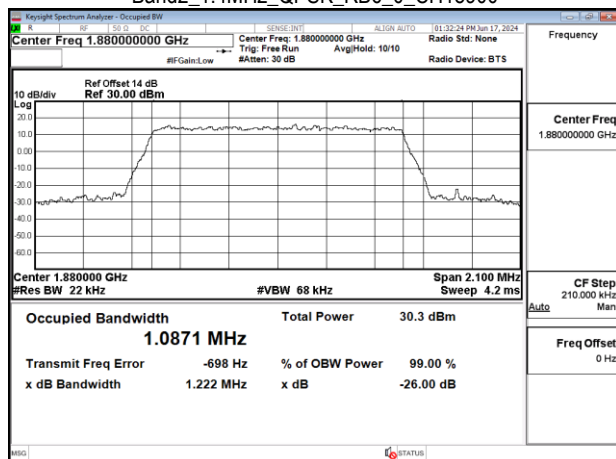
Band2_1.4MHz_QPSK_RB6_0_CH18607



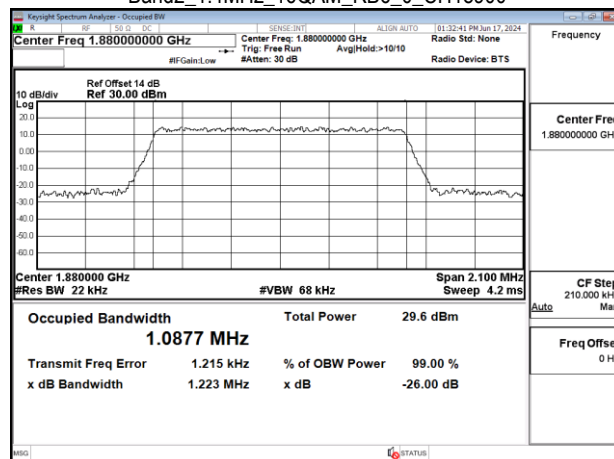
Band2_1.4MHz_16QAM_RB6_0_CH18607



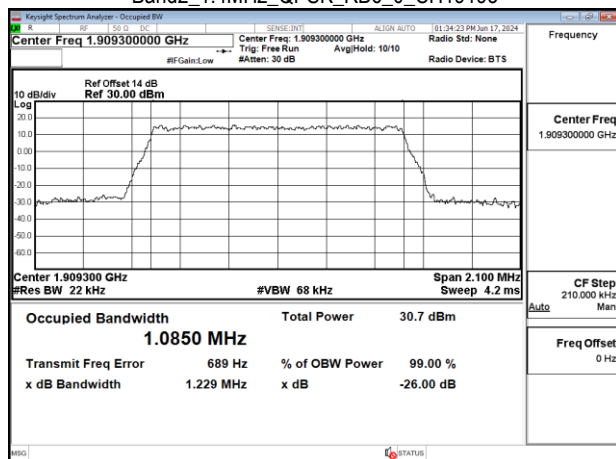
Band2_1.4MHz_QPSK_RB6_0_CH18900



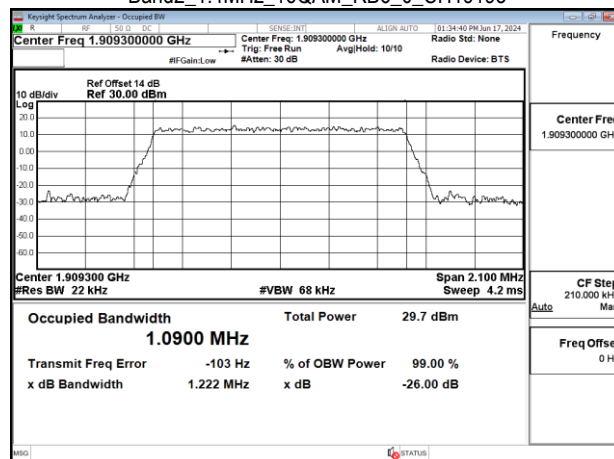
Band2_1.4MHz_16QAM_RB6_0_CH18900



Band2_1.4MHz_QPSK_RB6_0_CH19193



Band2_1.4MHz_16QAM_RB6_0_CH19193

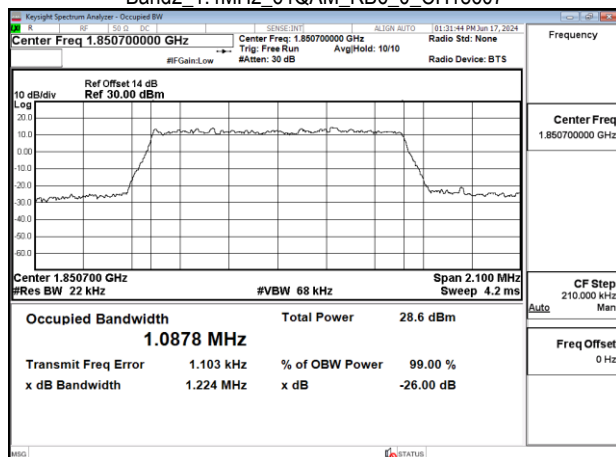


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

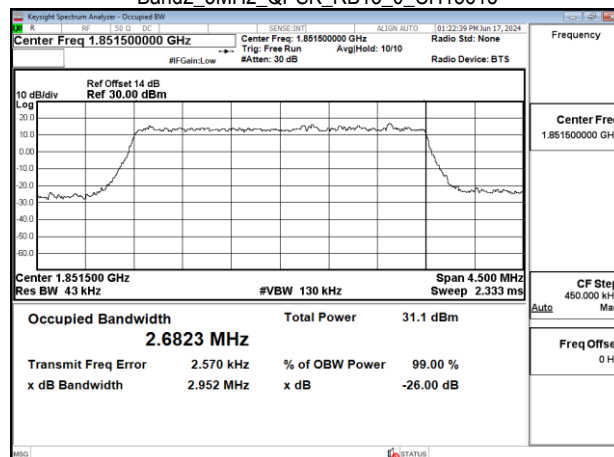
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

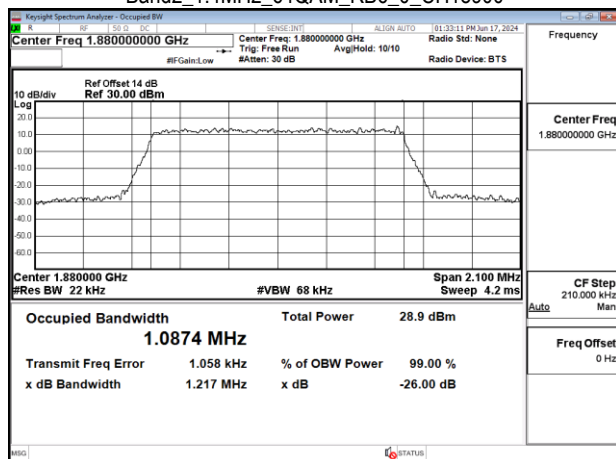
Band2_1.4MHz_64QAM_RB6_0_CH18607



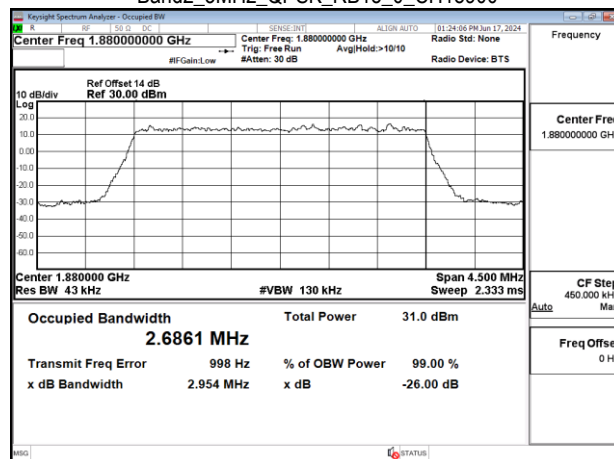
Band2_3MHz_QPSK_RB15_0_CH18615



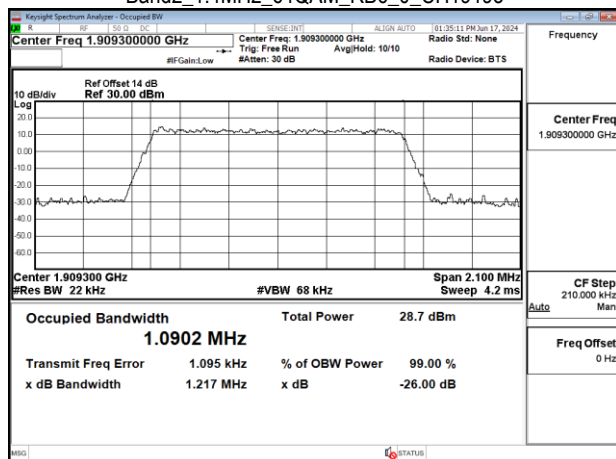
Band2_1.4MHz_64QAM_RB6_0_CH18900



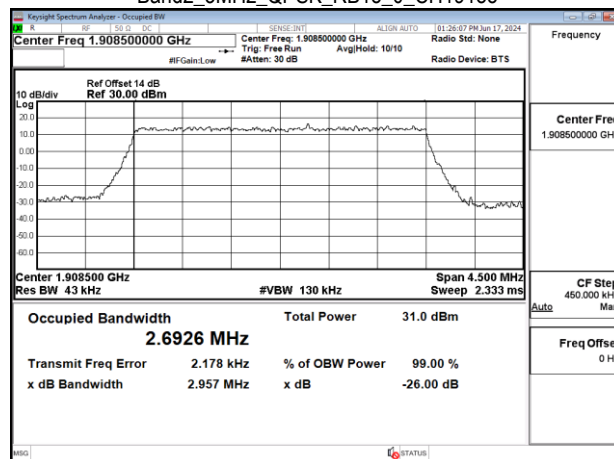
Band2_3MHz_QPSK_RB15_0_CH18900



Band2_1.4MHz_64QAM_RB6_0_CH19193



Band2_3MHz_QPSK_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.

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

台灣檢驗科技股份有限公司

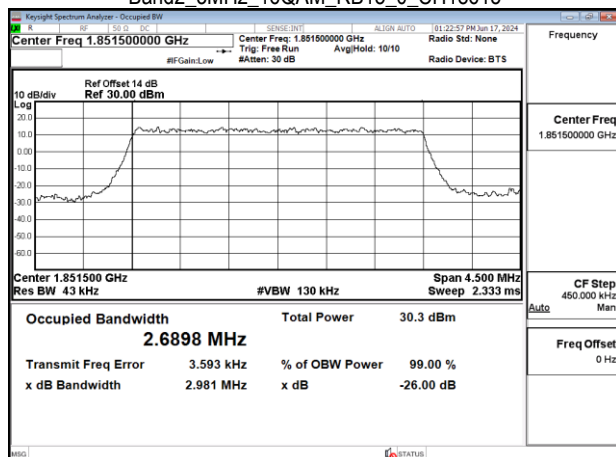
t (886-2) 2299-3279

f (886-2) 2298-0488

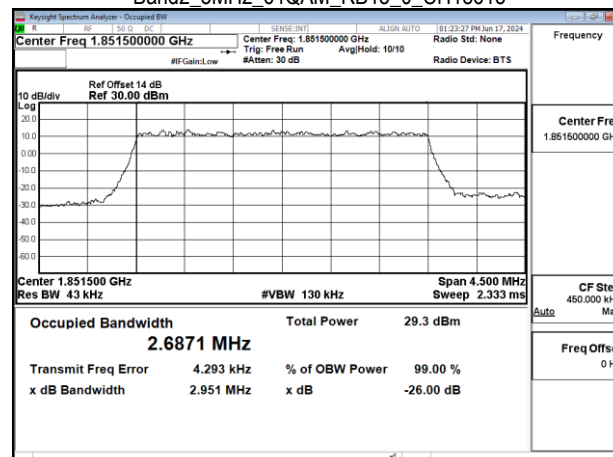
www.sgs.com.tw

Member of SGS Group

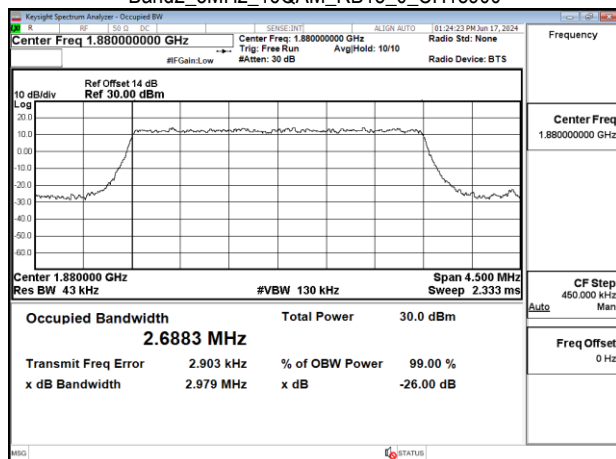
Band2_3MHz_16QAM_RB15_0_CH18615



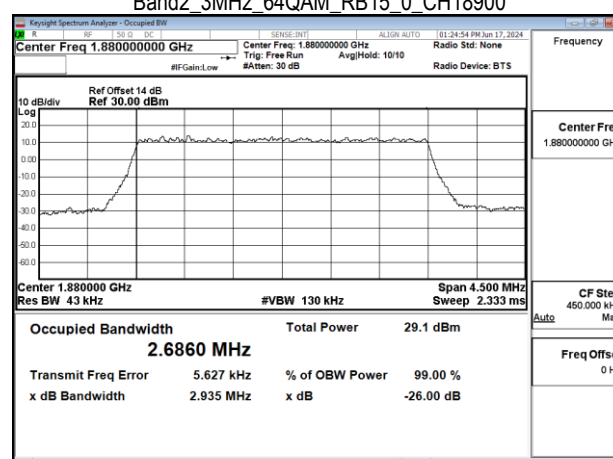
Band2_3MHz_64QAM_RB15_0_CH18615



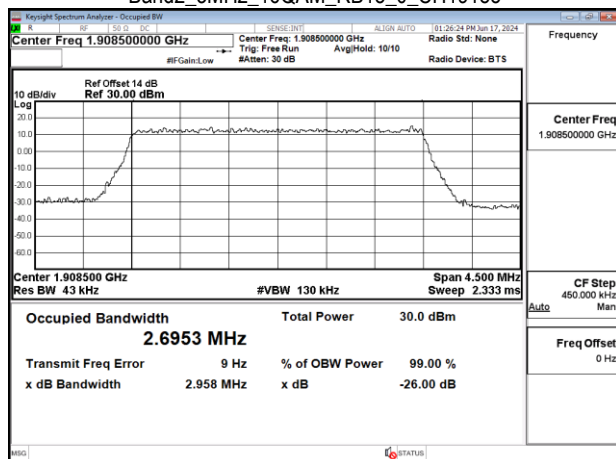
Band2_3MHz_16QAM_RB15_0_CH18900



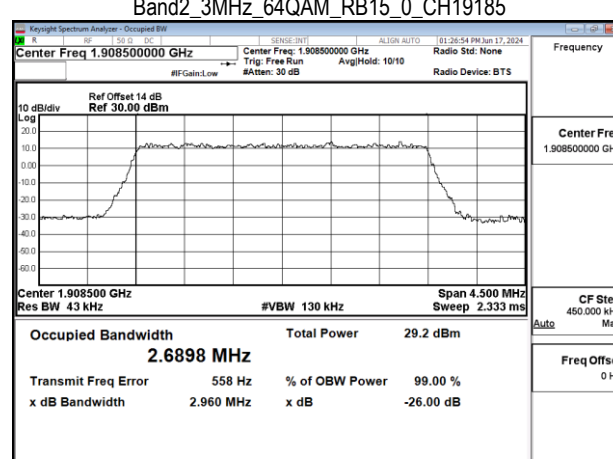
Band2_3MHz_64QAM_RB15_0_CH18900



Band2_3MHz_16QAM_RB15_0_CH19185



Band2_3MHz_64QAM_RB15_0_CH19185

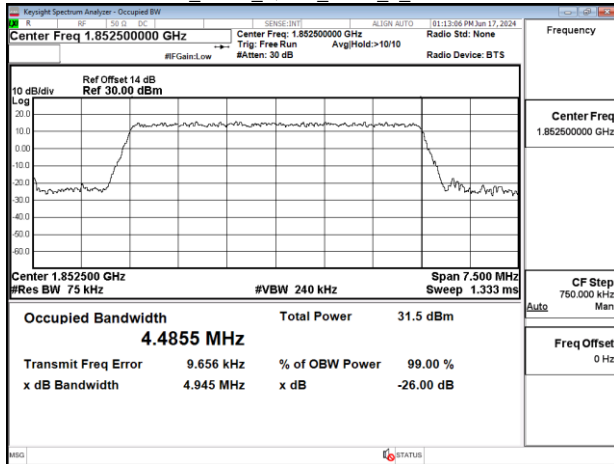


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

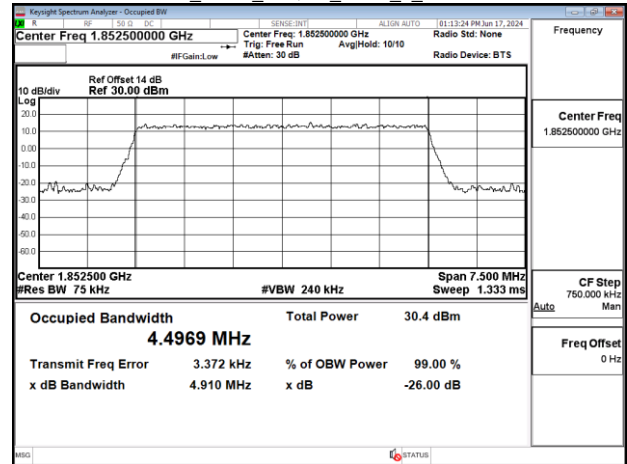
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

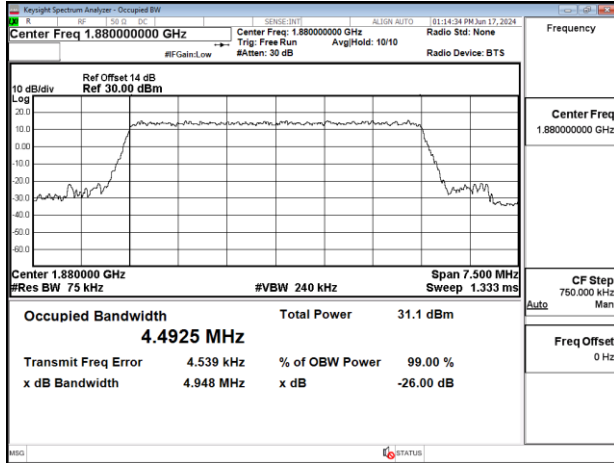
Band2_5MHz_QPSK_RB25_0_CH18625



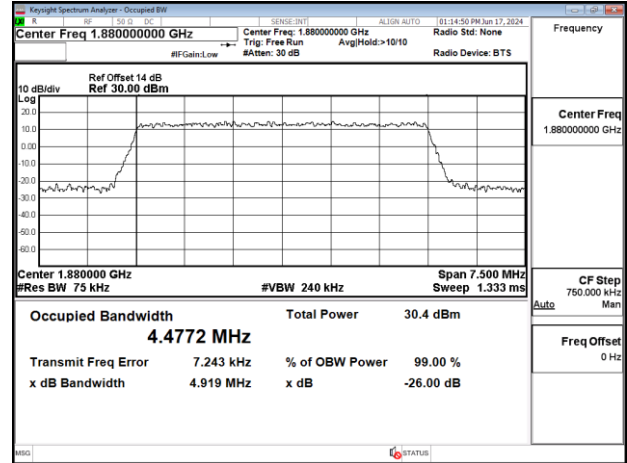
Band2_5MHz_16QAM_RB25_0_CH18625



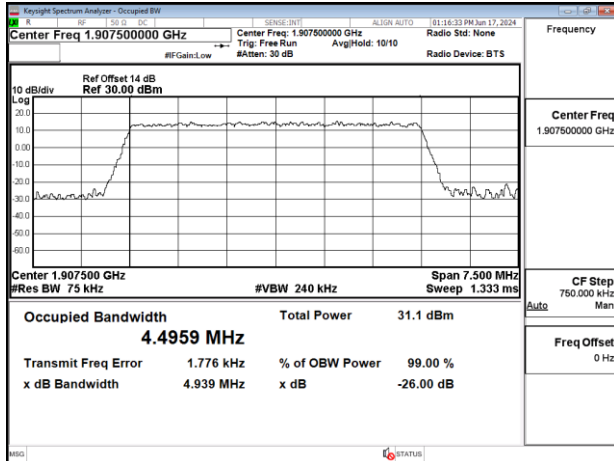
Band2_5MHz_QPSK_RB25_0_CH18900



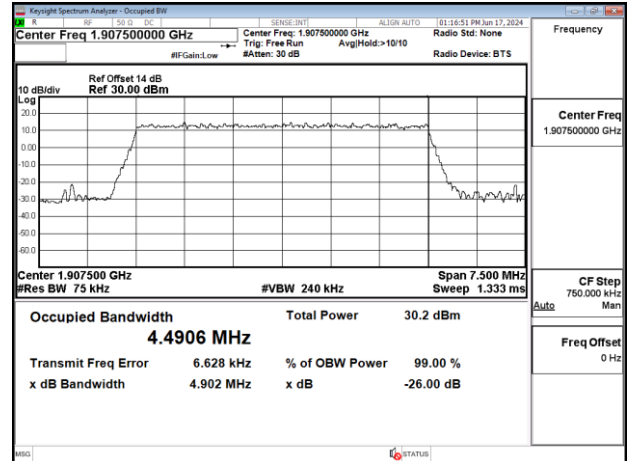
Band2_5MHz_16QAM_RB25_0_CH18900



Band2_5MHz_QPSK_RB25_0_CH19175



Band2_5MHz_16QAM_RB25_0_CH19175

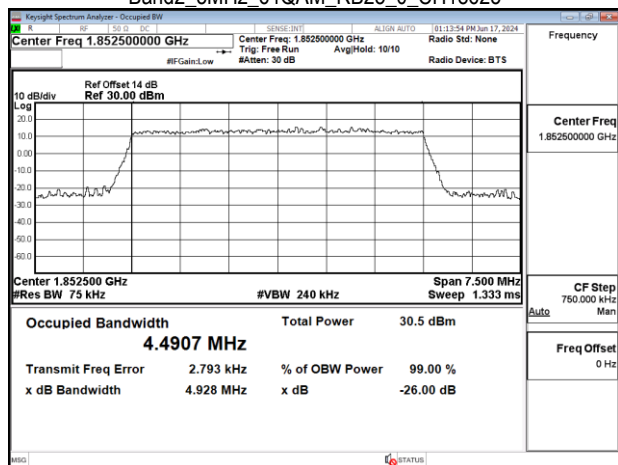


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

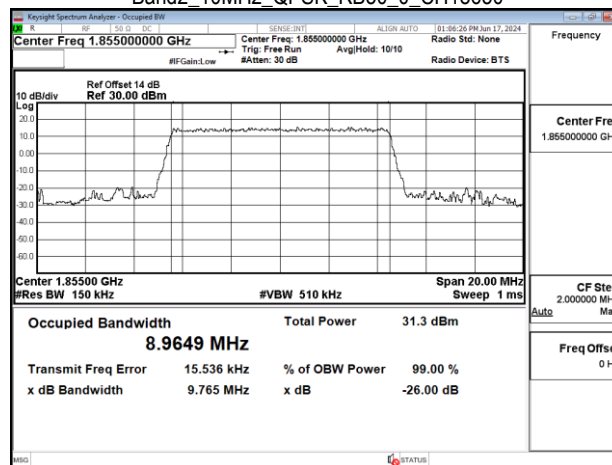
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

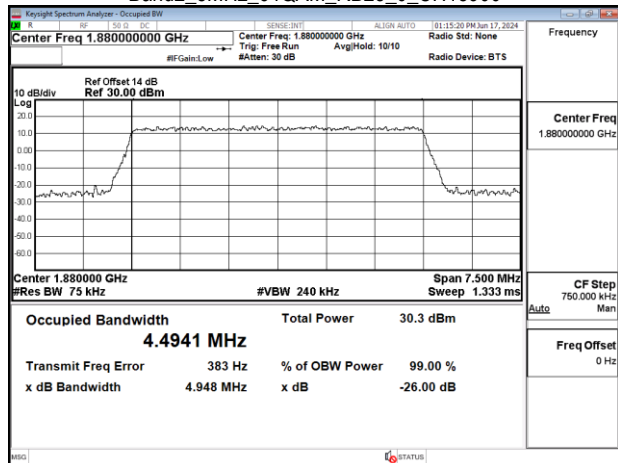
Band2_5MHz_64QAM_RB25_0_CH18625



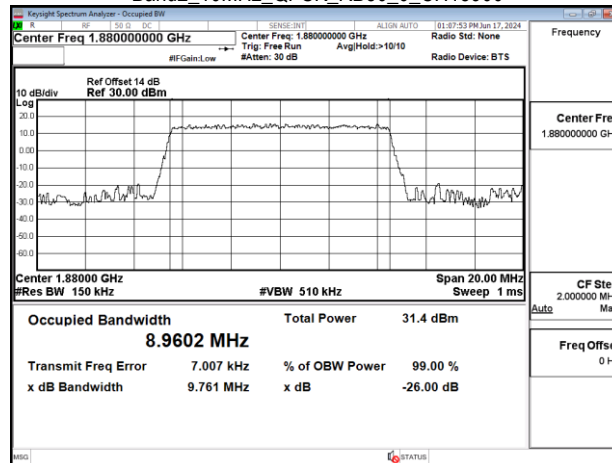
Band2_10MHz_QPSK_RB50_0_CH18650



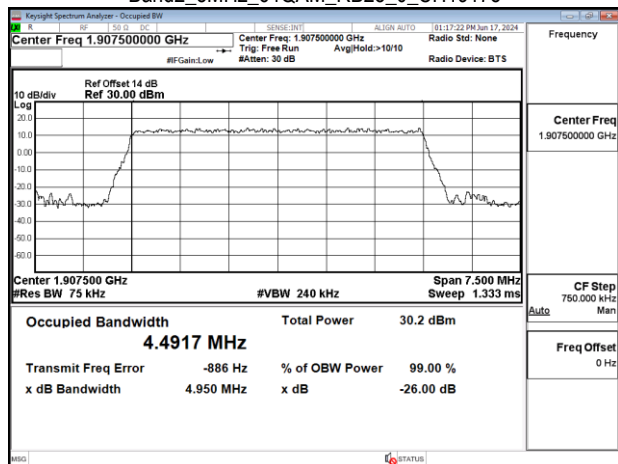
Band2_5MHz_64QAM_RB25_0_CH18900



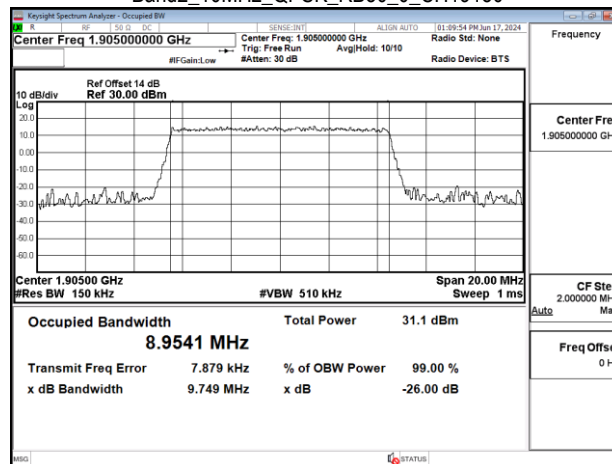
Band2_10MHz_QPSK_RB50_0_CH18900



Band2_5MHz_64QAM_RB25_0_CH19175



Band2_10MHz_QPSK_RB50_0_CH19150

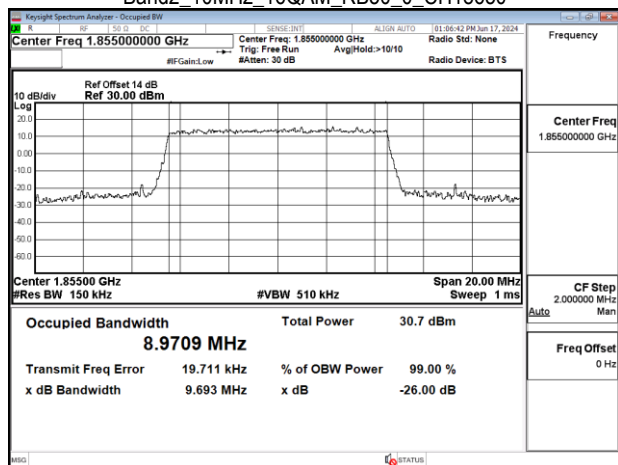


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

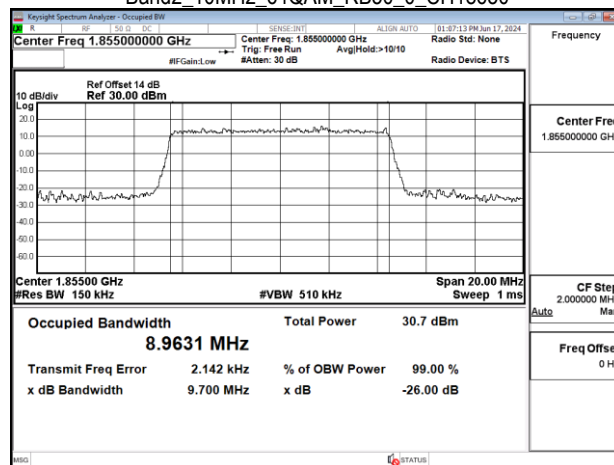
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

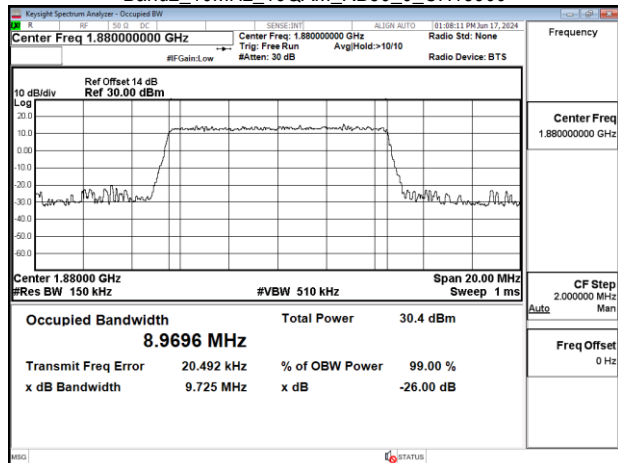
Band2_10MHz_16QAM_RB50_0_CH18650



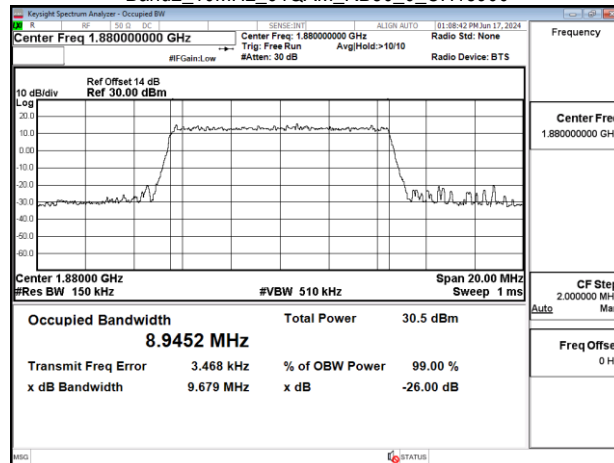
Band2_10MHz_64QAM_RB50_0_CH18650



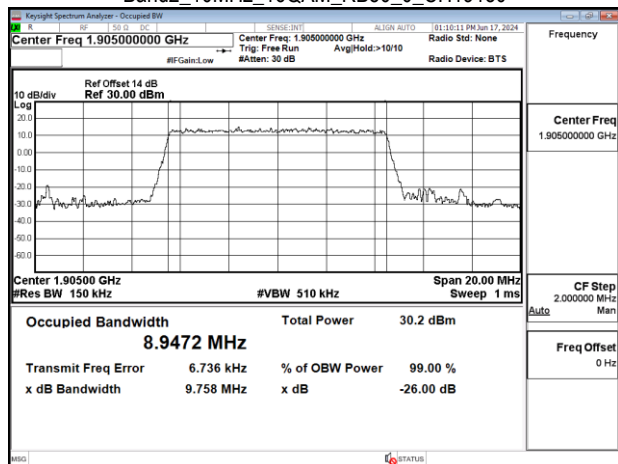
Band2_10MHz_16QAM_RB50_0_CH18900



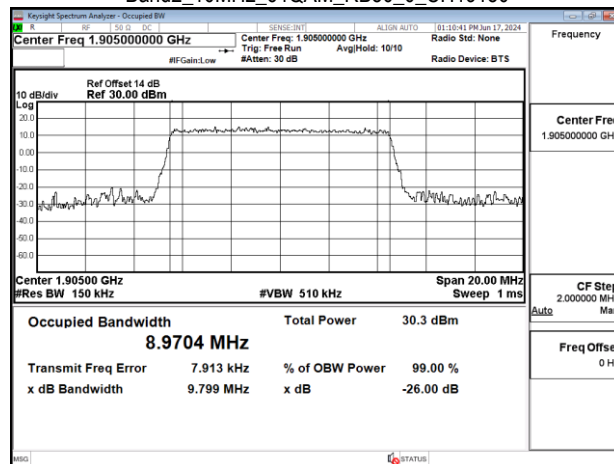
Band2_10MHz_64QAM_RB50_0_CH18900



Band2_10MHz_16QAM_RB50_0_CH19150



Band2_10MHz_64QAM_RB50_0_CH19150

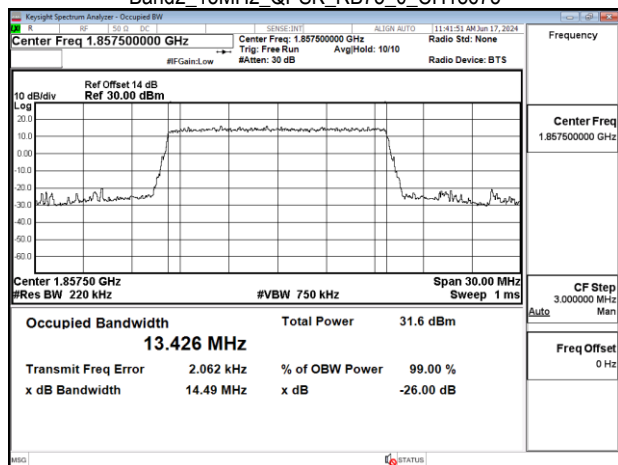


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

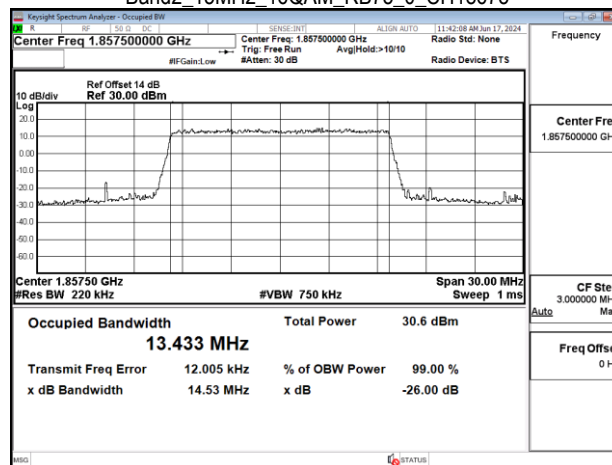
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

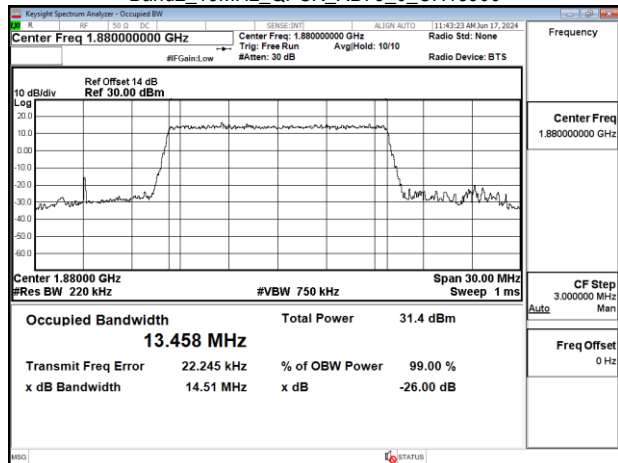
Band2_15MHz_QPSK_RB75_0_CH18675



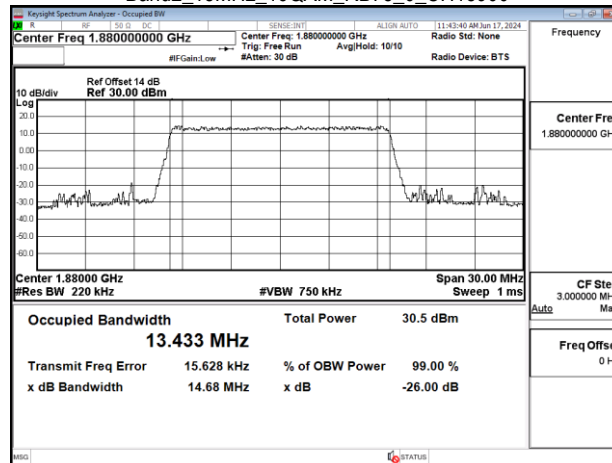
Band2_15MHz_16QAM_RB75_0_CH18675



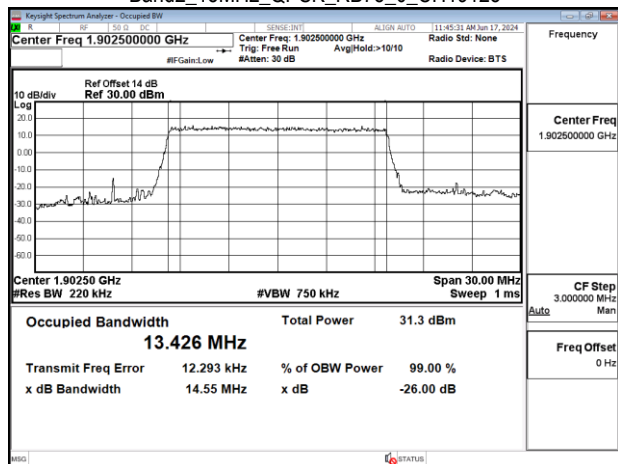
Band2_15MHz_QPSK_RB75_0_CH18900



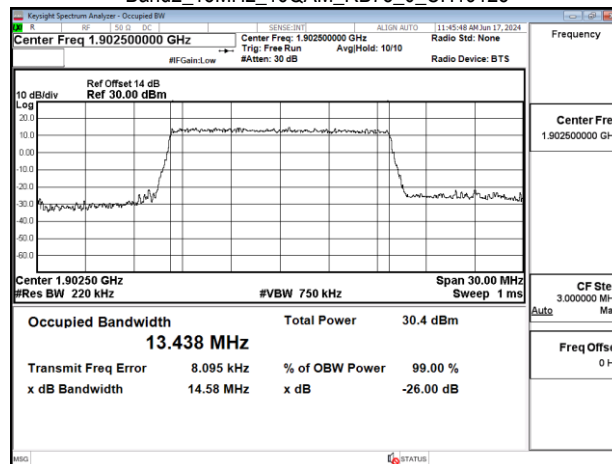
Band2_15MHz_16QAM_RB75_0_CH18900



Band2_15MHz_QPSK_RB75_0_CH19125



Band2_15MHz_16QAM_RB75_0_CH19125

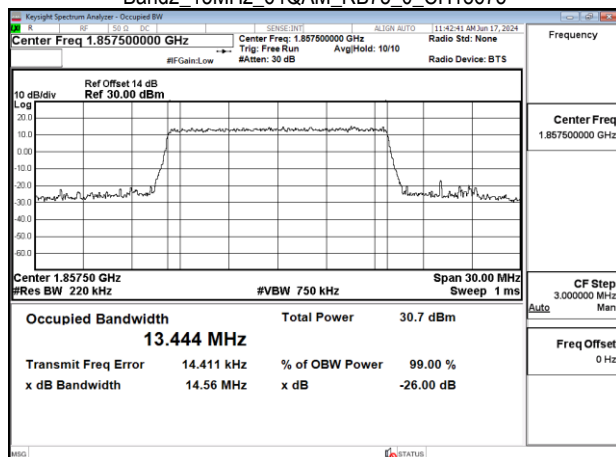


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

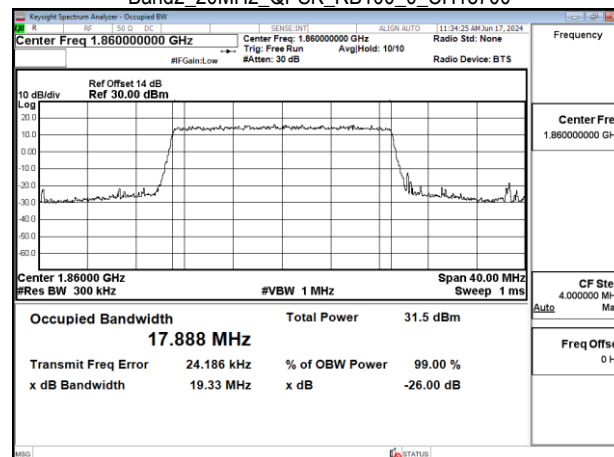
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

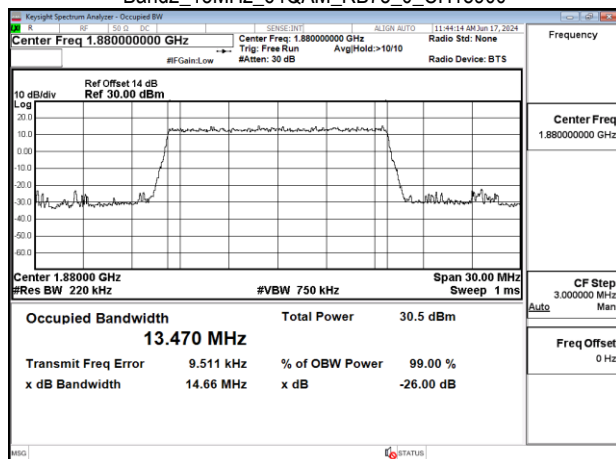
Band2_15MHz_64QAM_RB75_0_CH18765



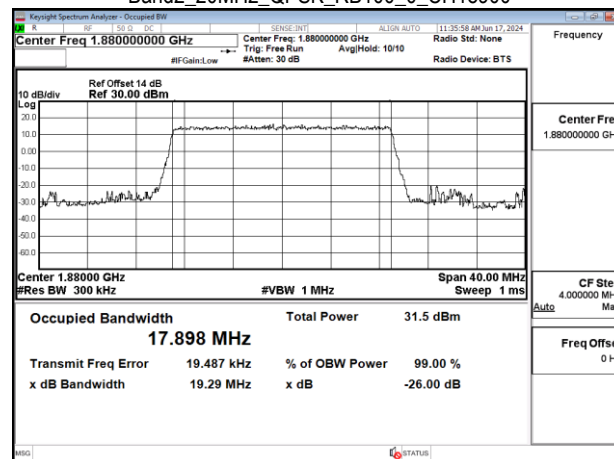
Band2_20MHz_QPSK_RB100_0_CH18700



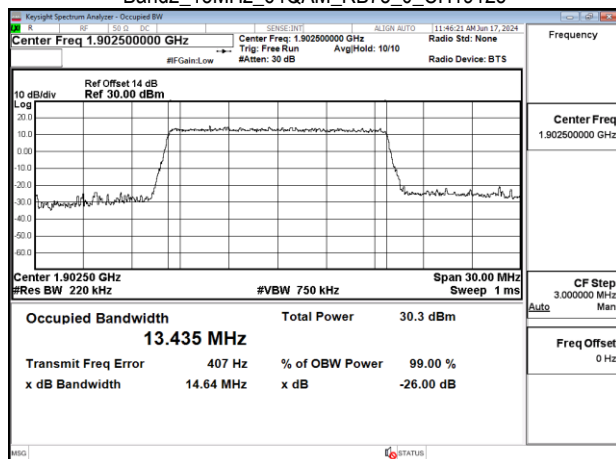
Band2_15MHz_64QAM_RB75_0_CH18900



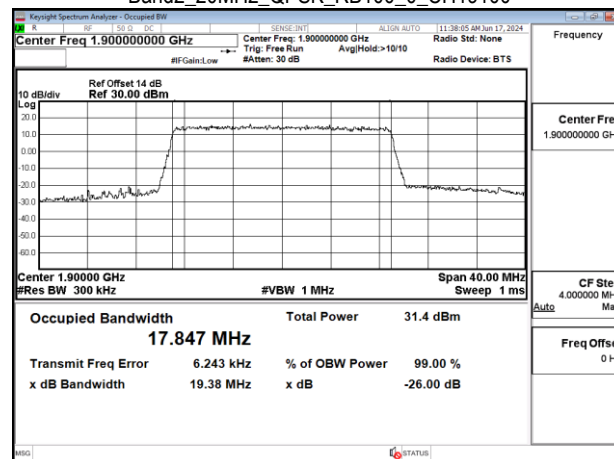
Band2_20MHz_QPSK_RB100_0_CH18900



Band2_15MHz_64QAM_RB75_0_CH19125



Band2_20MHz_QPSK_RB100_0_CH19100

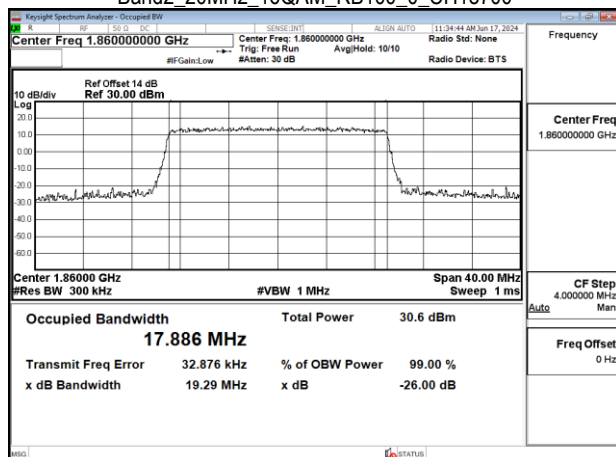


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

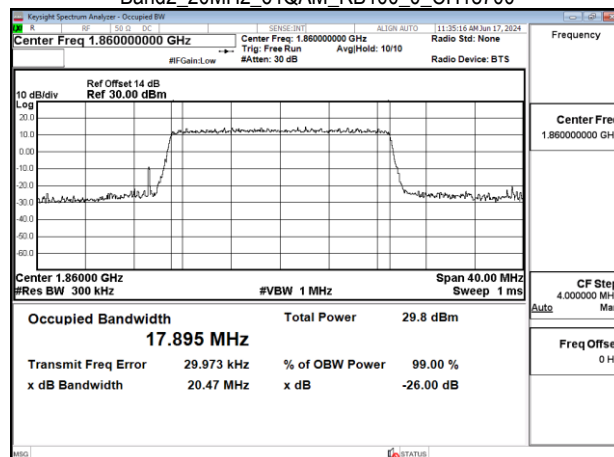
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

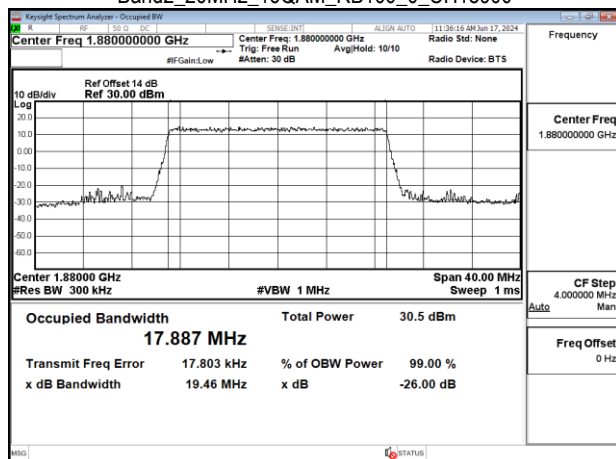
Band2 20MHz_16QAM_RB100_0_CH18700



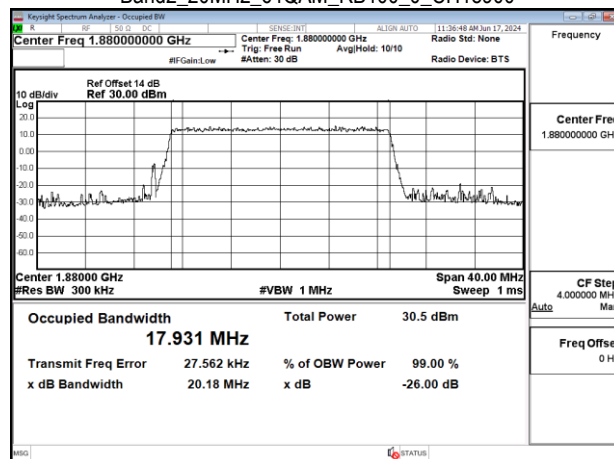
Band2 20MHz_64QAM_RB100_0_CH18700



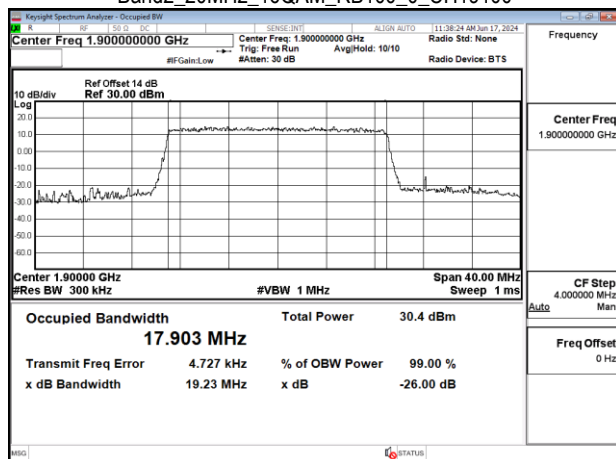
Band2 20MHz_16QAM_RB100_0_CH18900



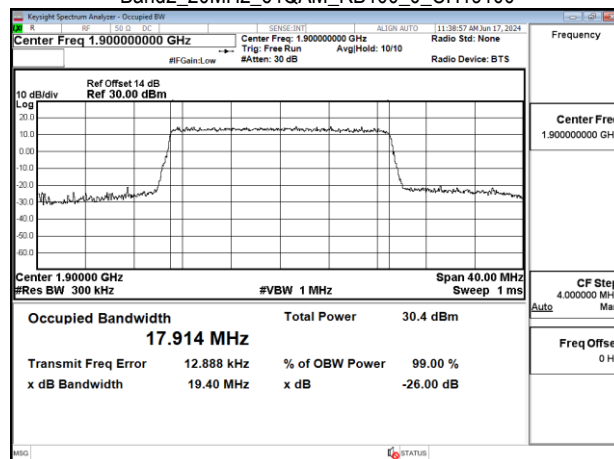
Band2 20MHz_64QAM_RB100_0_CH18900



Band2 20MHz_16QAM_RB100_0_CH19100



Band2 20MHz_64QAM_RB100_0_CH19100

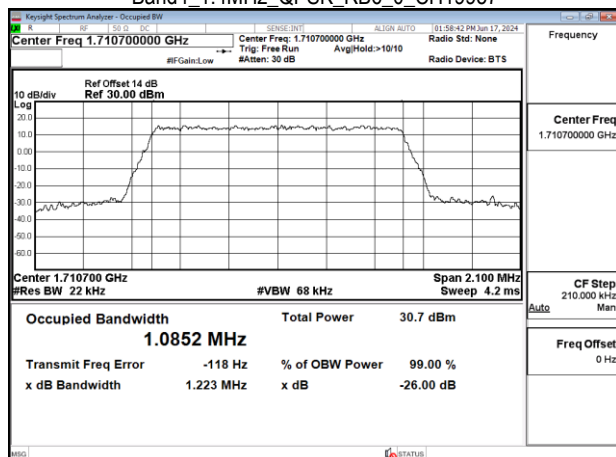


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

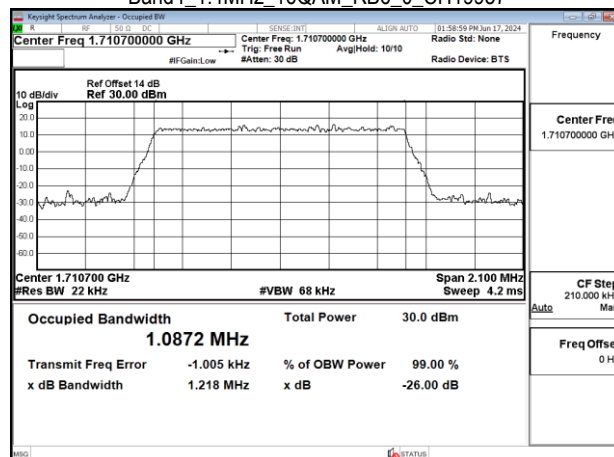
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

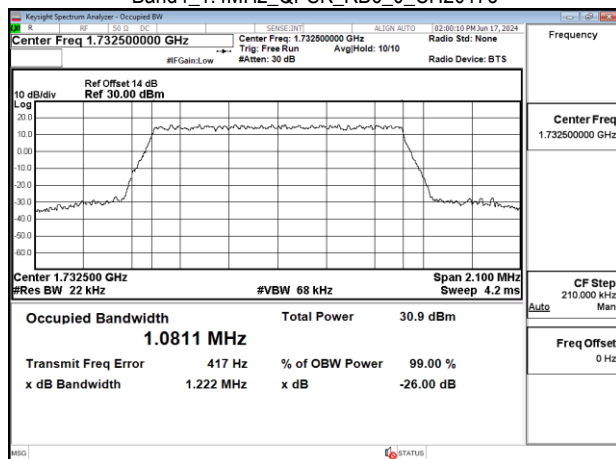
Band4_1.4MHz_QPSK_RB6_0_CH19957



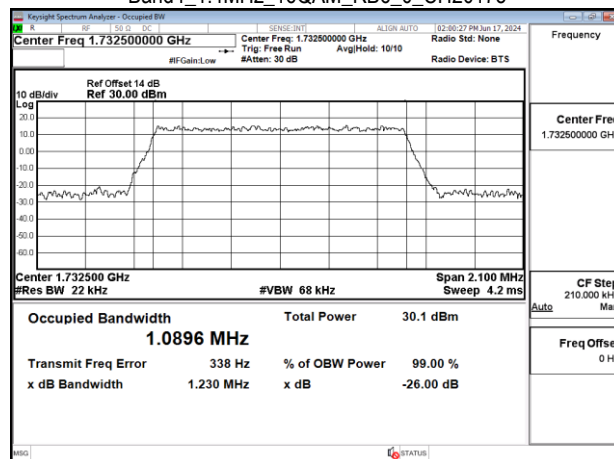
Band4_1.4MHz_16QAM_RB6_0_CH19957



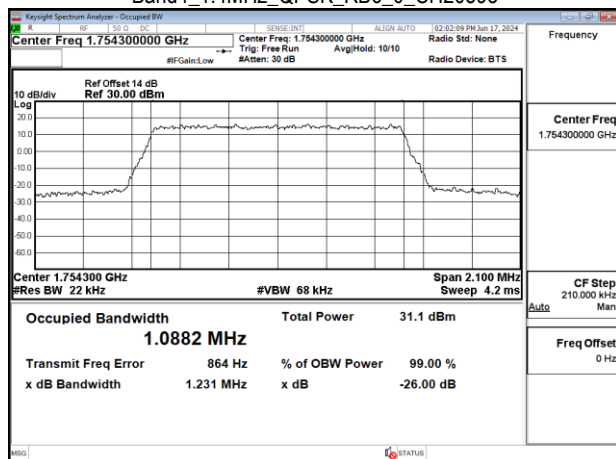
Band4_1.4MHz_QPSK_RB6_0_CH20175



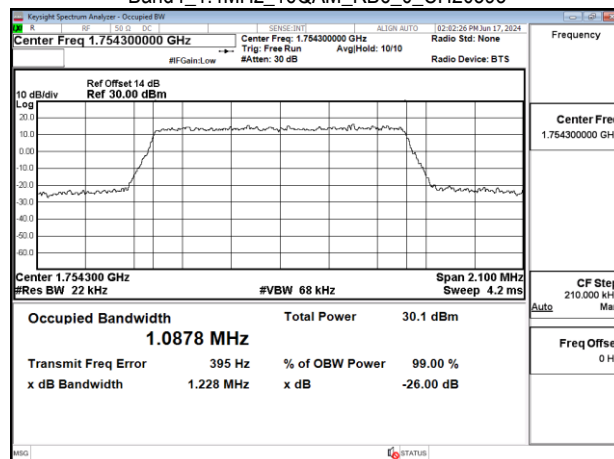
Band4_1.4MHz_16QAM_RB6_0_CH20175



Band4_1.4MHz_QPSK_RB6_0_CH20393



Band4_1.4MHz_16QAM_RB6_0_CH20393

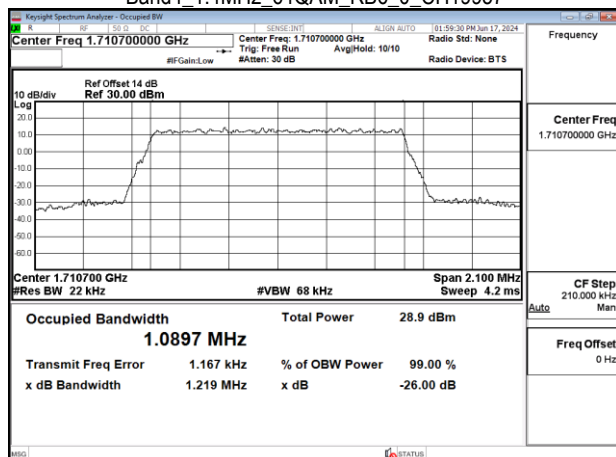


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

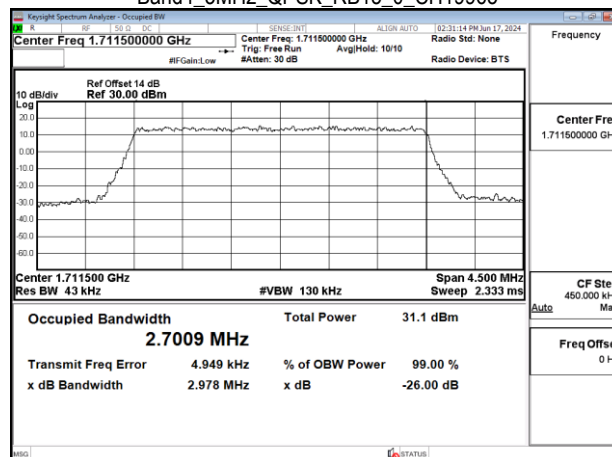
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

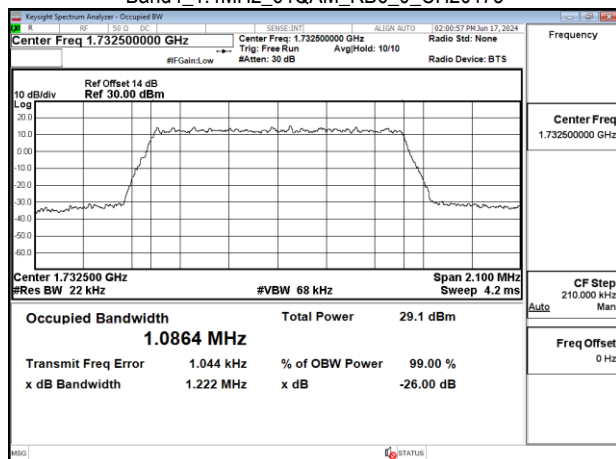
Band4_1.4MHz_64QAM_RB6_0_CH19957



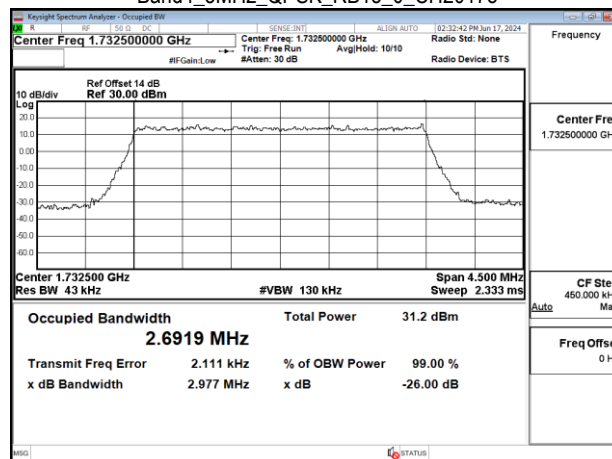
Band4_3MHz_QPSK_RB15_0_CH19965



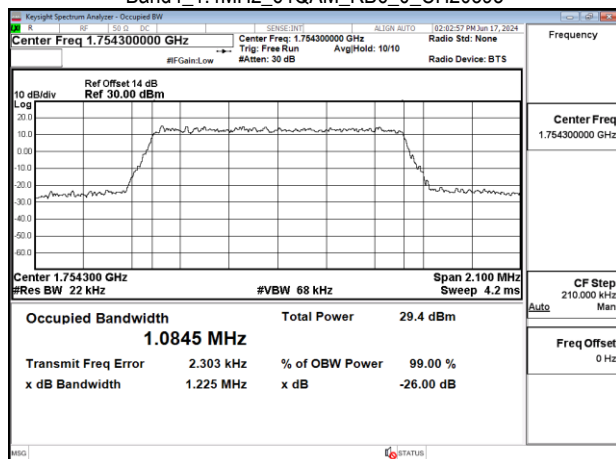
Band4_1.4MHz_64QAM_RB6_0_CH20175



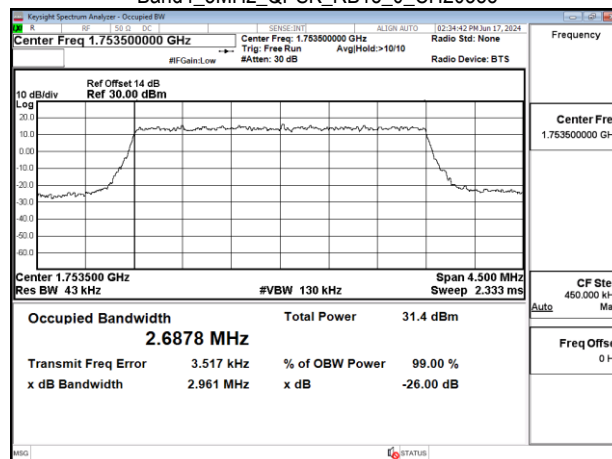
Band4_3MHz_QPSK_RB15_0_CH20175



Band4_1.4MHz_64QAM_RB6_0_CH20393



Band4_3MHz_QPSK_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.