

ANNEX A - MEASUREMENT RESULTS

1	Maximum Output Power	2
2	Occupied Bandwidth Measurement	10
3	Out of Band Emission at Antenna Terminals.....	22
4	Spurious Emission at Antenna Terminals:	29
5	Field Strength of Spurious Radiation Measurement.....	31
6	Frequency Stability Measurement.....	55
7	Peak to Average Ratio	57

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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)		-2.1							
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	20.70	18.60	30	-11.4
				1	5	20.69	18.59	30	-11.41
				3	2	20.69	18.59	30	-11.41
				6	0	19.83	17.73	30	-12.27
	20175	1732.5	QPSK	1	0	20.61	18.51	30	-11.49
				1	5	20.58	18.48	30	-11.52
				3	2	20.50	18.40	30	-11.6
				6	0	19.49	17.39	30	-12.61
	20393	1754.3	QPSK	1	0	20.88	18.78	30	-11.22
				1	5	20.75	18.65	30	-11.35
				3	2	20.78	18.68	30	-11.32
				6	0	19.91	17.81	30	-12.19
1.4	19957	1710.7	16QAM	1	0	19.38	17.28	30	-12.72
				1	5	19.52	17.42	30	-12.58
				3	2	19.25	17.15	30	-12.85
				6	0	18.07	15.97	30	-14.03
	20175	1732.5	16QAM	1	0	19.64	17.54	30	-12.46
				1	5	19.76	17.66	30	-12.34
				3	2	19.46	17.36	30	-12.64
				6	0	18.18	16.08	30	-13.92
	20393	1754.3	16QAM	1	0	19.88	17.78	30	-12.22
				1	5	19.78	17.68	30	-12.32
				3	2	19.59	17.49	30	-12.51
				6	0	18.59	16.49	30	-13.51
1.4	19957	1710.7	64QAM	1	0	18.51	16.41	30	-13.59
				1	5	18.91	16.81	30	-13.19
				6	0	17.55	15.45	30	-14.55
	20175	1732.5	64QAM	1	0	18.44	16.34	30	-13.66
				1	5	18.99	16.89	30	-13.11
				6	0	17.72	15.62	30	-14.38
	20393	1754.3	64QAM	1	0	18.11	16.01	30	-13.99
				1	5	18.22	16.12	30	-13.88
				6	0	17.52	15.42	30	-14.58

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)		-2.1							
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	20.74	18.64	30	-11.36
				1	14	20.65	18.55	30	-11.45
				8	4	19.82	17.72	30	-12.28
				15	0	19.74	17.64	30	-12.36
	20175	1732.5	QPSK	1	0	20.59	18.49	30	-11.51
				1	14	20.43	18.33	30	-11.67
				8	4	19.60	17.50	30	-12.5
				15	0	19.50	17.40	30	-12.6
	20385	1753.5	QPSK	1	0	20.87	18.77	30	-11.23
				1	14	20.88	18.78	30	-11.22
				8	4	19.74	17.64	30	-12.36
				15	0	19.92	17.82	30	-12.18
3	19965	1711.5	16QAM	1	0	19.54	17.44	30	-12.56
				1	14	19.70	17.60	30	-12.4
				8	4	18.29	16.19	30	-13.81
				15	0	18.38	16.28	30	-13.72
	20175	1732.5	16QAM	1	0	19.78	17.68	30	-12.32
				1	14	19.51	17.41	30	-12.59
				8	4	18.19	16.09	30	-13.91
				15	0	18.47	16.37	30	-13.63
	20385	1753.5	16QAM	1	0	19.92	17.82	30	-12.18
				1	14	19.93	17.83	30	-12.17
				8	4	18.62	16.52	30	-13.48
				15	0	18.57	16.47	30	-13.53
3	19965	1711.5	64QAM	1	0	18.07	15.97	30	-14.03
				1	14	18.10	16.00	30	-14
				12	0	17.51	15.41	30	-14.59
	20175	1732.5	64QAM	1	0	18.22	16.12	30	-13.88
				1	14	18.18	16.08	30	-13.92
				12	0	17.81	15.71	30	-14.29
	20385	1753.5	64QAM	1	0	18.76	16.66	30	-13.34
				1	14	18.05	15.95	30	-14.05
				12	0	17.53	15.43	30	-14.57

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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)		-2.1							
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	20.84	18.74	30	-11.26
				1	24	20.85	18.75	30	-11.25
				12	6	19.77	17.67	30	-12.33
				25	0	19.75	17.65	30	-12.35
	20175	1732.5	QPSK	1	0	20.47	18.37	30	-11.63
				1	24	20.62	18.52	30	-11.48
				12	6	19.46	17.36	30	-12.64
				25	0	19.48	17.38	30	-12.62
	20375	1752.5	QPSK	1	0	20.87	18.77	30	-11.23
				1	24	20.82	18.72	30	-11.28
				12	6	19.76	17.66	30	-12.34
				25	0	19.81	17.71	30	-12.29
5	19975	1712.5	16QAM	1	0	19.31	17.21	30	-12.79
				1	24	19.39	17.29	30	-12.71
				12	6	18.29	16.19	30	-13.81
				25	0	18.20	16.10	30	-13.9
	20175	1732.5	16QAM	1	0	19.25	17.15	30	-12.85
				1	24	19.52	17.42	30	-12.58
				12	6	18.12	16.02	30	-13.98
				25	0	18.26	16.16	30	-13.84
	20375	1752.5	16QAM	1	0	19.56	17.46	30	-12.54
				1	24	19.52	17.42	30	-12.58
				12	6	18.40	16.30	30	-13.7
				25	0	18.30	16.20	30	-13.8
5	19975	1712.5	64QAM	1	0	18.80	16.70	30	-13.3
				1	24	18.82	16.72	30	-13.28
				12	0	17.71	15.61	30	-14.39
	20175	1732.5	64QAM	1	0	18.08	15.98	30	-14.02
				1	24	18.30	16.20	30	-13.8
				12	0	17.71	15.61	30	-14.39
	20375	1752.5	64QAM	1	0	18.87	16.77	30	-13.23
				1	24	18.03	15.93	30	-14.07
				12	0	18.00	15.90	30	-14.1

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留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)		-2.1							
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	20.84	18.74	30	-11.26
				1	49	20.80	18.70	30	-11.3
				25	12	19.68	17.58	30	-12.42
				50	0	19.85	17.75	30	-12.25
	20175	1732.5	QPSK	1	0	20.56	18.46	30	-11.54
				1	49	20.62	18.52	30	-11.48
				25	12	19.52	17.42	30	-12.58
				50	0	19.47	17.37	30	-12.63
	20350	1750	QPSK	1	0	20.91	18.81	30	-11.19
				1	49	20.89	18.79	30	-11.21
				25	12	19.83	17.73	30	-12.27
				50	0	19.78	17.68	30	-12.32
10	20000	1715	16QAM	1	0	19.64	17.54	30	-12.46
				1	49	19.52	17.42	30	-12.58
				25	12	18.28	16.18	30	-13.82
				25	0	18.32	16.22	30	-13.78
	20175	1732.5	16QAM	1	0	19.54	17.44	30	-12.56
				1	49	19.51	17.41	30	-12.59
				25	12	18.35	16.25	30	-13.75
				25	0	18.45	16.35	30	-13.65
	20350	1750	16QAM	1	0	19.77	17.67	30	-12.33
				1	49	19.58	17.48	30	-12.52
				25	12	18.63	16.53	30	-13.47
				25	0	18.80	16.70	30	-13.3
10	20000	1715	64QAM	1	0	18.83	16.73	30	-13.27
				1	49	18.34	16.24	30	-13.76
				12	0	17.59	15.49	30	-14.51
	20175	1732.5	64QAM	1	0	18.50	16.40	30	-13.6
				1	49	18.80	16.70	30	-13.3
				12	0	17.37	15.27	30	-14.73
	20350	1750	64QAM	1	0	18.59	16.49	30	-13.51
				1	49	18.48	16.38	30	-13.62
				12	0	17.45	15.35	30	-14.65

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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)		-2.1							
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	20.80	18.70	30	-11.3
				1	74	20.73	18.63	30	-11.37
				36	18	19.77	17.67	30	-12.33
				75	0	19.79	17.69	30	-12.31
	20175	1732.5	QPSK	1	0	20.49	18.39	30	-11.61
				1	74	20.54	18.44	30	-11.56
				36	18	19.46	17.36	30	-12.64
				75	0	19.62	17.52	30	-12.48
	20325	1747.5	QPSK	1	0	20.78	18.68	30	-11.32
				1	74	20.86	18.76	30	-11.24
				36	18	19.92	17.82	30	-12.18
				75	0	19.96	17.86	30	-12.14
15	20025	1717.5	16QAM	1	0	19.59	17.49	30	-12.51
				1	74	19.52	17.42	30	-12.58
				25	25	18.86	16.76	30	-13.24
				25	0	18.24	16.14	30	-13.86
	20175	1732.5	16QAM	1	0	19.52	17.42	30	-12.58
				1	74	19.56	17.46	30	-12.54
				25	25	18.56	16.46	30	-13.54
				25	0	18.43	16.33	30	-13.67
	20325	1747.5	16QAM	1	0	19.66	17.56	30	-12.44
				1	74	19.62	17.52	30	-12.48
				25	25	18.60	16.50	30	-13.5
				25	0	18.49	16.39	30	-13.61
15	20025	1717.5	64QAM	1	0	18.09	15.99	30	-14.01
				1	74	18.88	16.78	30	-13.22
				12	0	17.70	15.60	30	-14.4
	20175	1732.5	64QAM	1	0	18.48	16.38	30	-13.62
				1	74	18.46	16.36	30	-13.64
				12	0	17.28	15.18	30	-14.82
	20325	1747.5	64QAM	1	0	18.18	16.08	30	-13.92
				1	74	18.28	16.18	30	-13.82
				12	0	17.91	15.81	30	-14.19

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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)		-2.1							
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	20.88	18.78	30	-11.22
				1	99	20.69	18.59	30	-11.41
				50	25	19.86	17.76	30	-12.24
				100	0	19.89	17.79	30	-12.21
	20175	1732.5	QPSK	1	0	20.66	18.56	30	-11.44
				1	99	20.50	18.40	30	-11.6
				50	25	19.53	17.43	30	-12.57
				100	0	19.95	17.85	30	-12.15
	20300	1745	QPSK	1	0	20.90	18.80	30	-11.2
				1	99	20.81	18.71	30	-11.29
				50	25	19.96	17.86	30	-12.14
				100	0	19.92	17.82	30	-12.18
20	20050	1720	16QAM	1	0	19.38	17.28	30	-12.72
				1	99	19.69	17.59	30	-12.41
				25	37	18.76	16.66	30	-13.34
				25	0	18.48	16.38	30	-13.62
	20175	1732.5	16QAM	1	0	19.53	17.43	30	-12.57
				1	99	19.66	17.56	30	-12.44
				25	37	18.56	16.46	30	-13.54
				25	0	18.48	16.38	30	-13.62
	20300	1745	16QAM	1	0	19.77	17.67	30	-12.33
				1	99	19.63	17.53	30	-12.47
				25	37	18.88	16.78	30	-13.22
				25	0	18.48	16.38	30	-13.62
20	20050	1720	64QAM	1	0	18.23	16.13	30	-13.87
				1	99	18.89	16.79	30	-13.21
				12	0	17.21	15.11	30	-14.89
	20175	1732.5	64QAM	1	0	18.18	16.08	30	-13.92
				1	99	18.55	16.45	30	-13.55
				12	0	17.20	15.10	30	-14.9
	20300	1745	64QAM	1	0	18.90	16.80	30	-13.2
				1	99	18.72	16.62	30	-13.38
				12	0	17.10	15.00	30	-15

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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)		-6.6								
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	22.88	16.28	14.13	34.77	-20.64
				1	24	22.83	16.23	14.08	34.77	-20.69
				12	6	21.99	15.39	13.24	34.77	-21.53
				25	0	21.92	15.32	13.17	34.77	-21.6
	23230	782	QPSK	1	0	22.90	16.30	14.15	34.77	-20.62
				1	24	22.84	16.24	14.09	34.77	-20.68
				12	6	21.82	15.22	13.07	34.77	-21.7
				25	0	21.95	15.35	13.20	34.77	-21.57
	23255	784.5	QPSK	1	0	22.86	16.26	14.11	34.77	-20.66
				1	24	22.89	16.29	14.14	34.77	-20.63
				12	6	21.85	15.25	13.10	34.77	-21.67
				25	0	21.87	15.27	13.12	34.77	-21.65
5	23205	779.5	16QAM	1	0	20.84	14.24	12.09	34.77	-22.68
				1	24	20.95	14.35	12.20	34.77	-22.57
				12	6	19.91	13.31	11.16	34.77	-23.61
				25	0	19.98	13.38	11.23	34.77	-23.54
	23230	782	16QAM	1	0	21.44	14.84	12.69	34.77	-22.08
				1	24	21.10	14.50	12.35	34.77	-22.42
				12	6	19.75	13.15	11.00	34.77	-23.77
				25	0	19.73	13.13	10.98	34.77	-23.79
	23255	784.5	16QAM	1	0	21.26	14.66	12.51	34.77	-22.26
				1	24	20.90	14.30	12.15	34.77	-22.62
				12	6	19.71	13.11	10.96	34.77	-23.81
				25	0	19.74	13.14	10.99	34.77	-23.78
5	23205	779.5	64QAM	1	0	18.67	12.07	9.92	34.77	-24.85
				1	24	18.62	12.02	9.87	34.77	-24.9
				12	0	17.80	11.20	9.05	34.77	-25.72
	23230	782	64QAM	1	0	18.63	12.03	9.88	34.77	-24.89
				1	24	18.44	11.84	9.69	34.77	-25.08
				12	0	17.42	10.82	8.67	34.77	-26.1
	23255	784.5	64QAM	1	0	18.74	12.14	9.99	34.77	-24.78
				1	24	18.85	12.25	10.10	34.77	-24.67
				12	0	17.06	10.46	8.31	34.77	-26.46

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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)		-6.6								
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	22.89	16.29	14.14	34.77	-20.63
				1	49	22.86	16.26	14.11	34.77	-20.66
				25	12	21.89	15.29	13.14	34.77	-21.63
				50	0	21.97	15.37	13.22	34.77	-21.55
10	23230	782	16QAM	1	0	21.04	14.44	12.29	34.77	-22.48
				1	49	20.92	14.32	12.17	34.77	-22.6
				25	12	19.81	13.21	11.06	34.77	-23.71
				25	0	20.02	13.42	11.27	34.77	-23.5
10	23230	782	64QAM	1	0	18.91	12.31	10.16	34.77	-24.61
				1	49	18.84	12.24	10.09	34.77	-24.68
				12	0	18.13	11.53	9.38	34.77	-25.39

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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 4 Channel bandwidth: 1.4MHz								LTE BAND 4 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)			Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1710.7	19957	1.0890	1.0897	1.0885	1.261	1.269	1.285	1711.5	19965	2.6844	2.6893	2.1696	2.938	2.960	2.421
1732.5	20175	1.0886	1.0901	1.0888	1.260	1.264	1.276	1732.5	20175	2.6848	2.6891	2.1655	2.939	2.955	2.431
1754.3	20393	1.0891	1.0885	1.0886	1.261	1.283	1.275	1753.5	20385	2.6845	2.6882	2.1702	2.952	2.956	2.433
LTE BAND 4 Channel bandwidth: 5MHz								LTE BAND 4 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)			Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1712.5	19975	4.4797	4.4810	2.2199	4.960	4.971	2.701	1715.0	20000	8.9707	4.5709	2.3494	9.744	5.395	3.027
1732.5	20175	4.4812	4.4850	2.2219	4.975	4.982	2.688	1732.5	20175	8.9694	4.5745	2.3697	9.766	5.397	3.084
1752.5	20375	4.4830	4.4824	2.2267	4.970	4.958	2.720	1750.0	20350	8.9717	4.5894	2.3579	9.816	5.401	2.946
LTE BAND 4 Channel bandwidth: 15MHz								LTE BAND 4 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)			Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1717.5	20025	13.3810	4.6435	2.4840	14.450	5.506	3.299	1720.0	20050	17.8210	4.7726	2.7231	19.230	5.892	3.777
1732.5	20175	13.4380	4.6315	2.4933	14.530	5.536	3.294	1732.5	20175	17.8690	4.7704	2.6697	19.250	5.820	3.738
1747.5	20325	13.3910	4.6380	2.4634	14.500	5.523	3.279	1745.0	20300	17.8320	4.7769	2.7316	19.210	6.036	3.748
LTE BAND 13 Channel bandwidth: 5MHz								LTE BAND 13 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)			Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
779.5	23205	4.4844	4.4870	2.2158	4.992	4.956	2.677	782.0	23230	8.9579	4.5914	2.3425	9.746	5.409	2.975
782.0	23230	4.4589	4.4676	2.2259	4.946	4.938	2.689								
784.5	23255	4.4863	4.4921	2.2224	5.008	4.995	2.702								

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留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

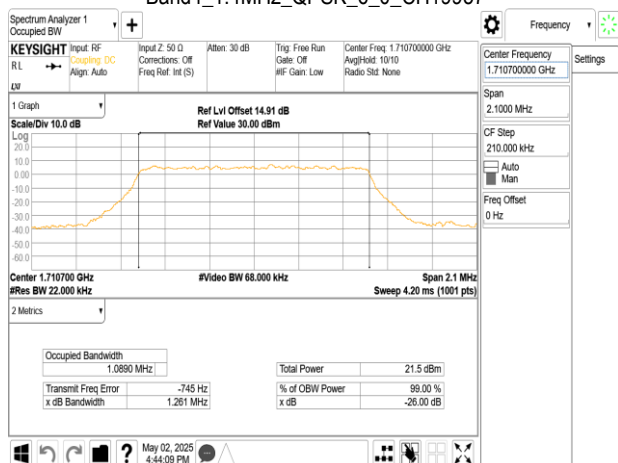
t (886-2) 2299-3279

f (886-2) 2298-0488

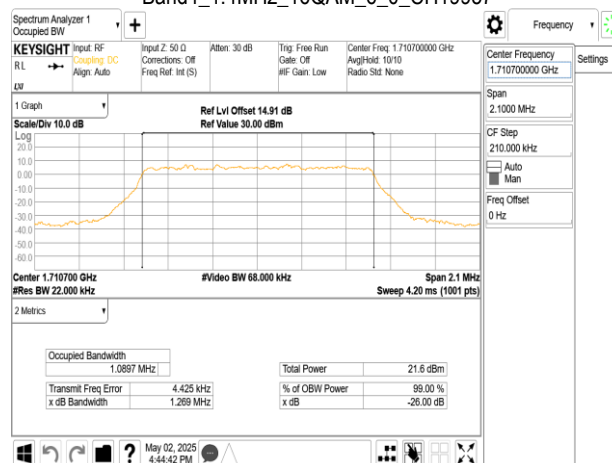
www.sgs.com.tw

Member of SGS Group

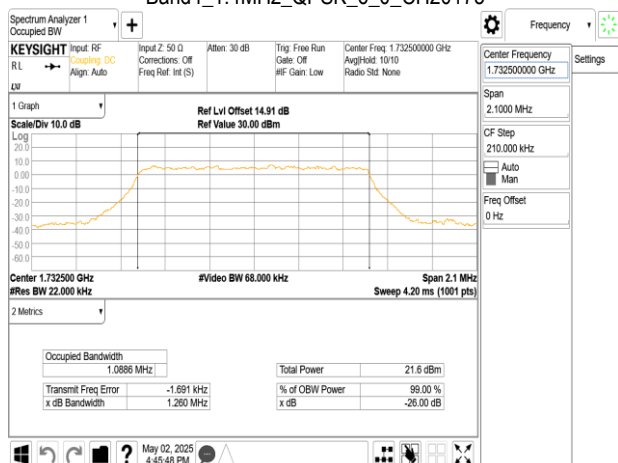
Band4_1.4MHz_QPSK_6_0_CH19957



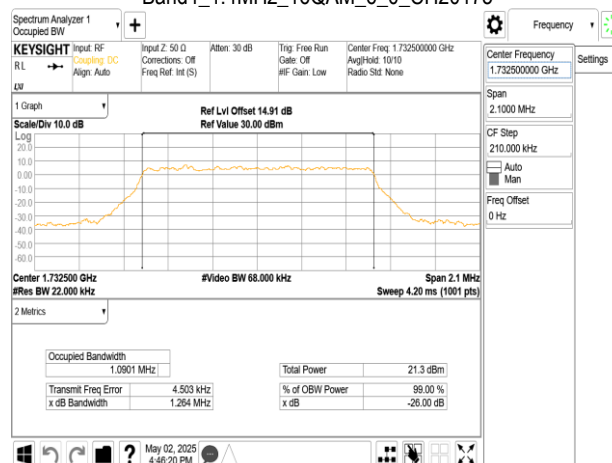
Band4_1.4MHz_16QAM_6_0_CH19957



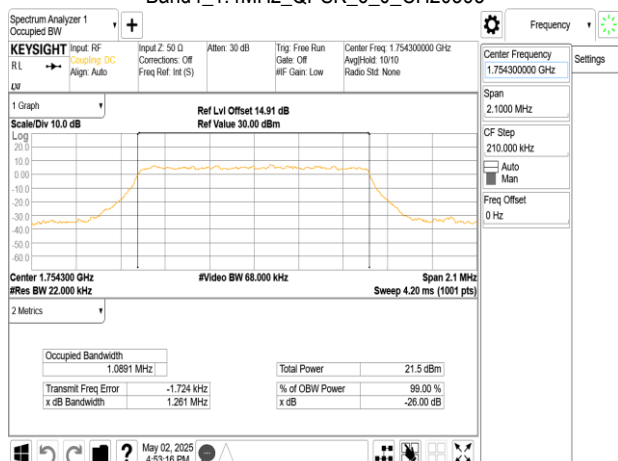
Band4_1.4MHz_QPSK_6_0_CH20175



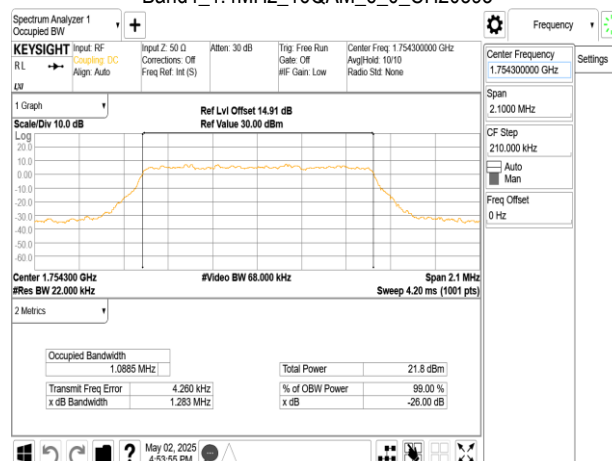
Band4_1.4MHz_16QAM_6_0_CH20175



Band4_1.4MHz_QPSK_6_0_CH20393



Band4_1.4MHz_16QAM_6_0_CH20393

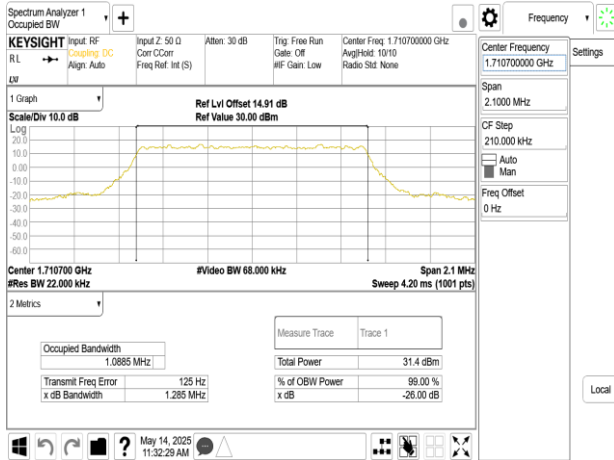


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

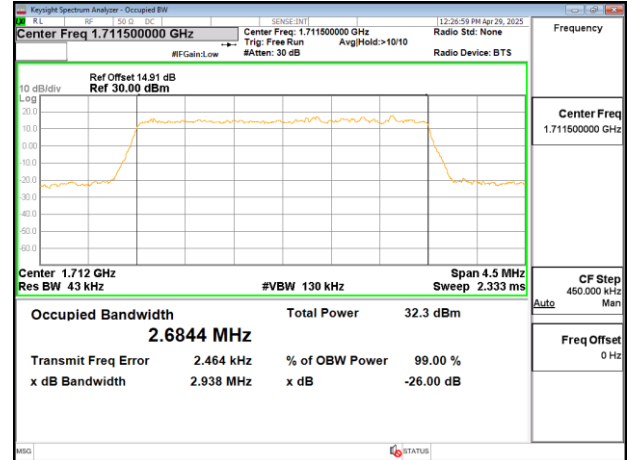
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

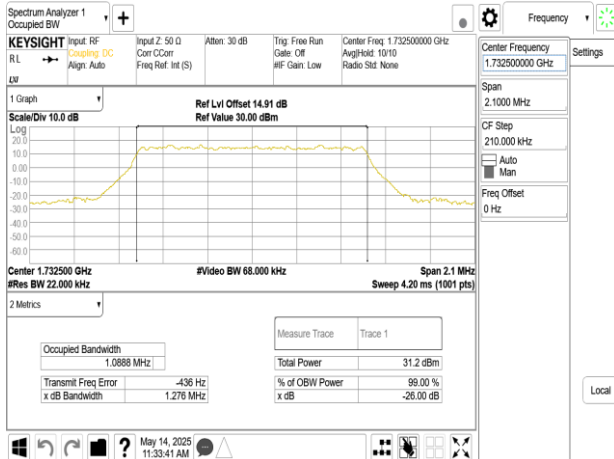
Band4_1.4MHz_64QAM_6_0_CH19957



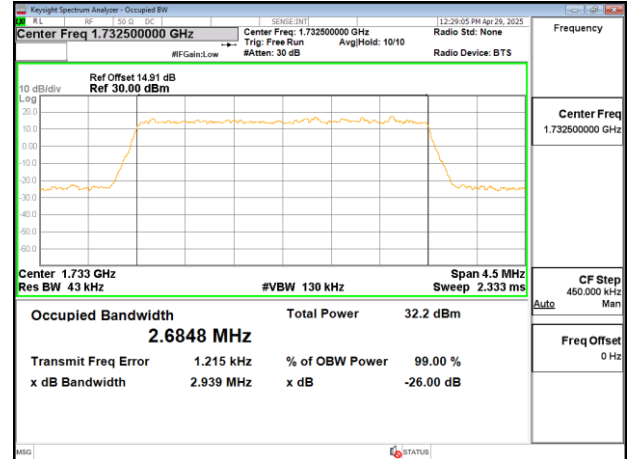
Band4_3MHz_QPSK_15_0_CH19965



Band4_1.4MHz_64QAM_6_0_CH20175



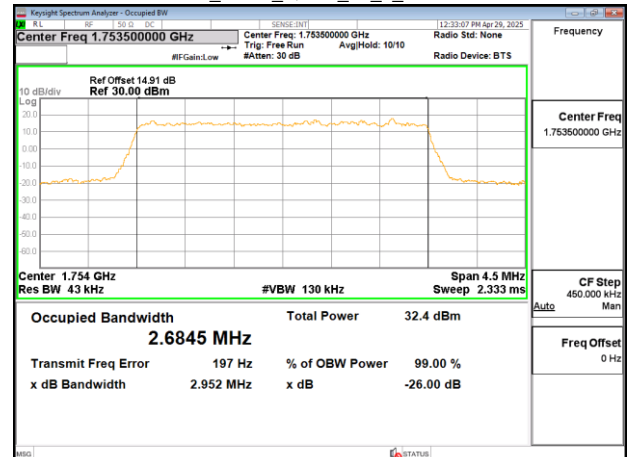
Band4_3MHz_QPSK_15_0_CH20175



Band4_1.4MHz_64QAM_6_0_CH20393



Band4_3MHz_QPSK_15_0_CH20385

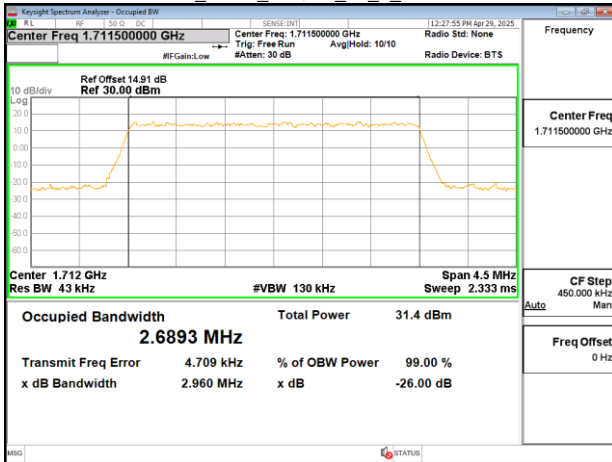


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

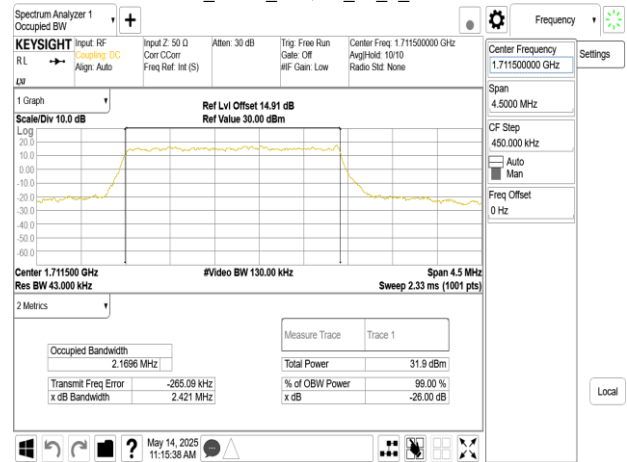
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

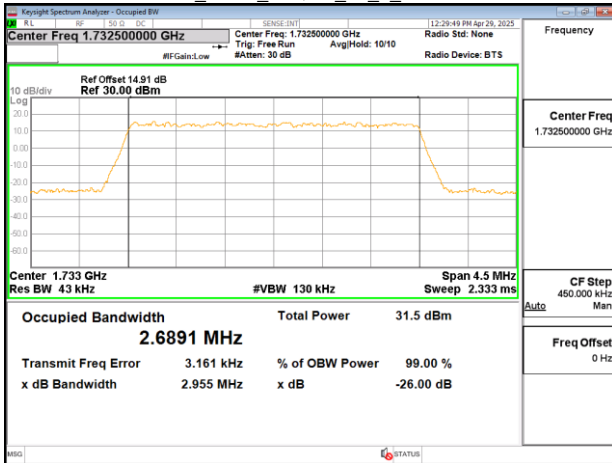
Band4_3MHz_16QAM_15_0_CH19965



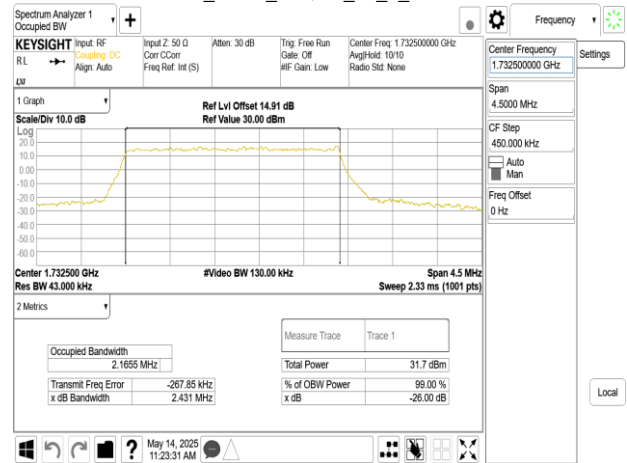
Band4_3MHz_64QAM_15_0_CH19965



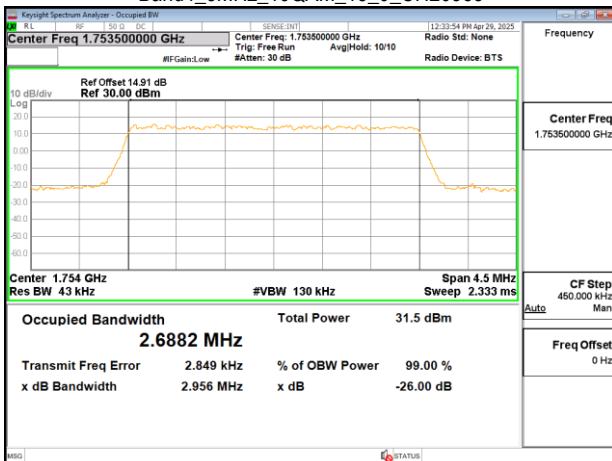
Band4_3MHz_16QAM_15_0_CH20175



Band4_3MHz_64QAM_15_0_CH20175



Band4_3MHz_16QAM_15_0_CH20385



Band4_3MHz_64QAM_15_0_CH20385

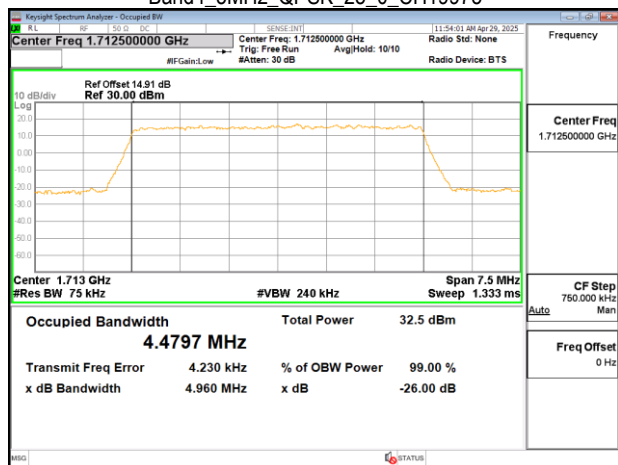


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

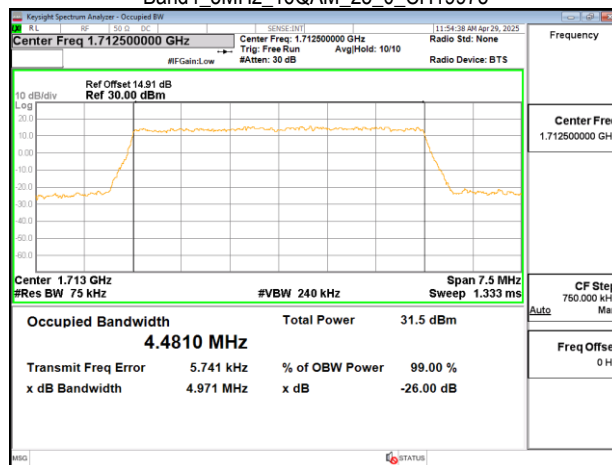
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

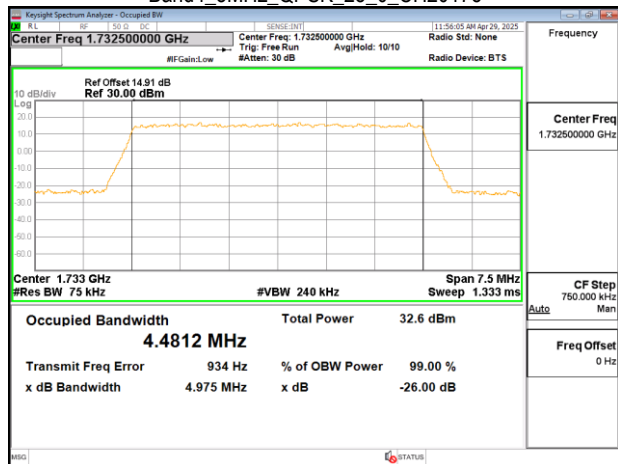
Band4_5MHz_QPSK_25_0_CH19975



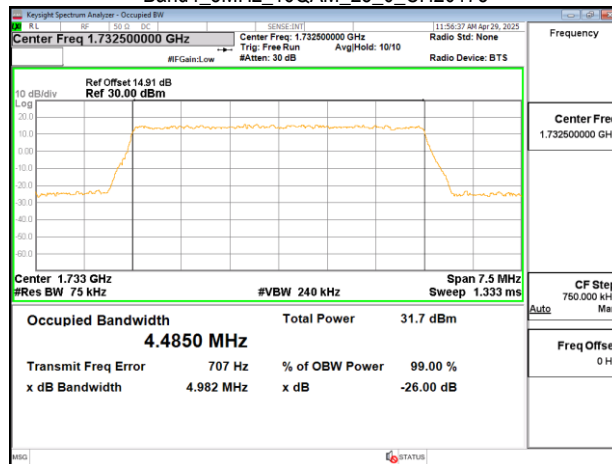
Band4_5MHz_16QAM_25_0_CH19975



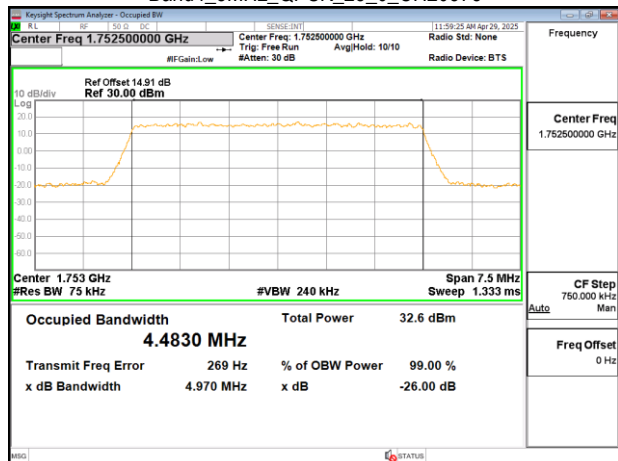
Band4_5MHz_QPSK_25_0_CH20175



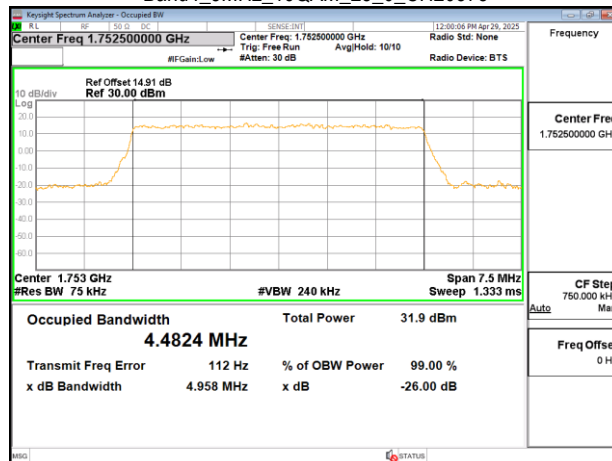
Band4_5MHz_16QAM_25_0_CH20175



Band4_5MHz_QPSK_25_0_CH20375



Band4_5MHz_16QAM_25_0_CH20375

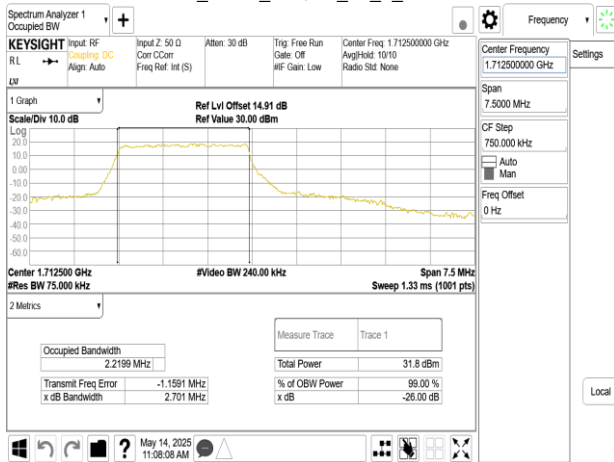


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

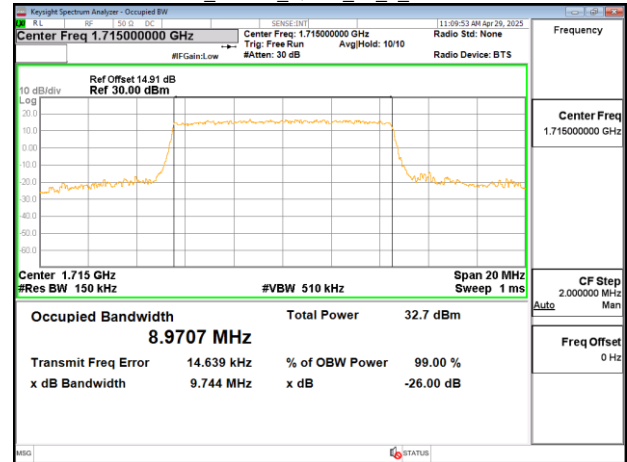
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

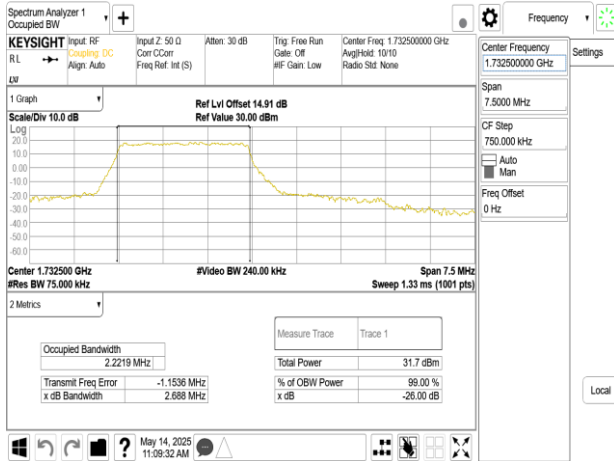
Band4_5MHz_64QAM_25_0_CH19975



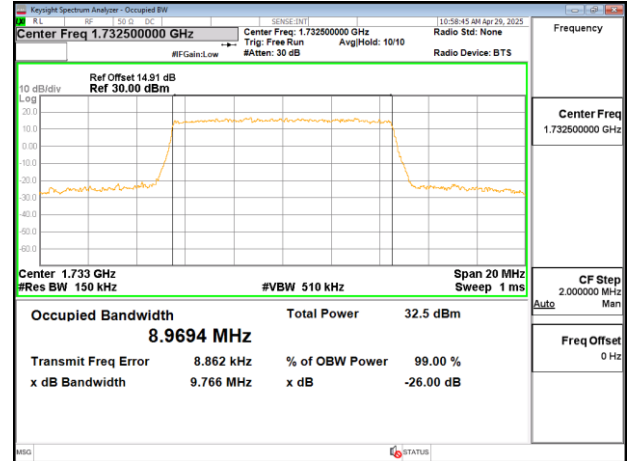
Band4_10MHz_QPSK_50_0_CH20000



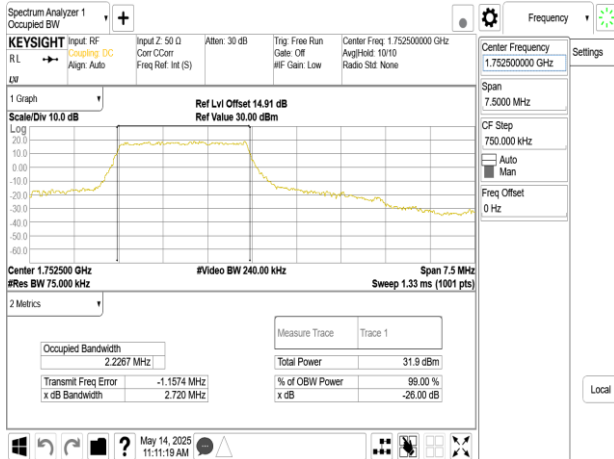
Band4_5MHz_64QAM_25_0_CH20175



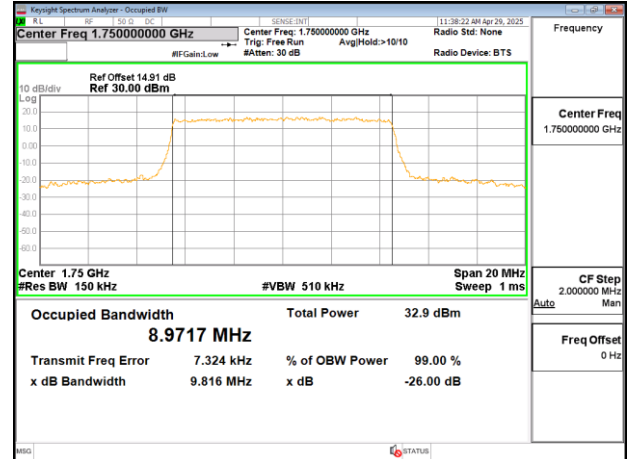
Band4_10MHz_QPSK_50_0_CH20175



Band4_5MHz_64QAM_25_0_CH20375



Band4_10MHz_QPSK_50_0_CH20350

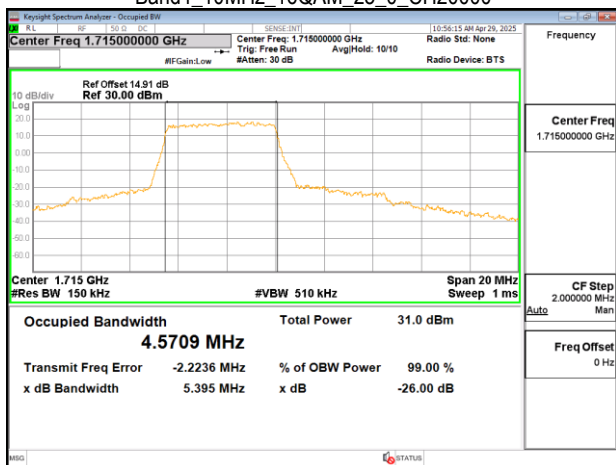


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

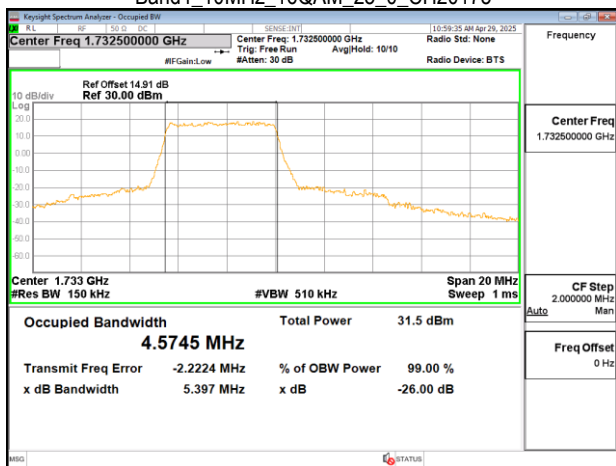
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

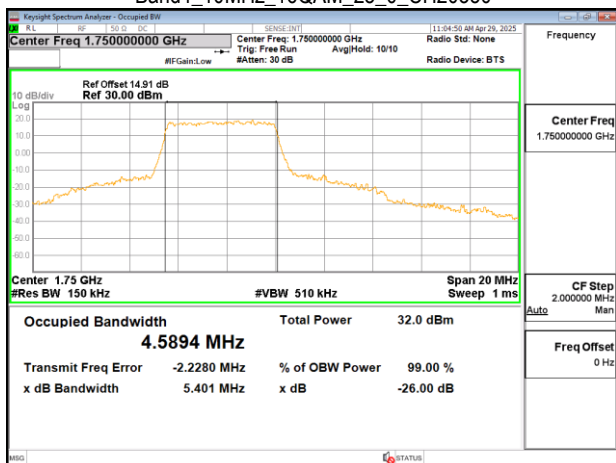
Band4 10MHz 16QAM 25_0_CH20000



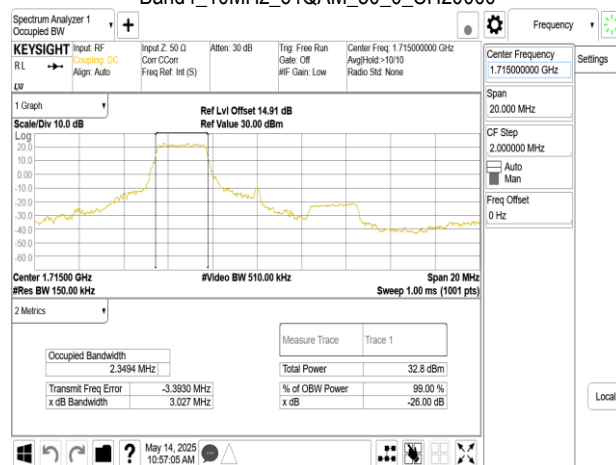
Band4 10MHz 16QAM 25_0_CH20175



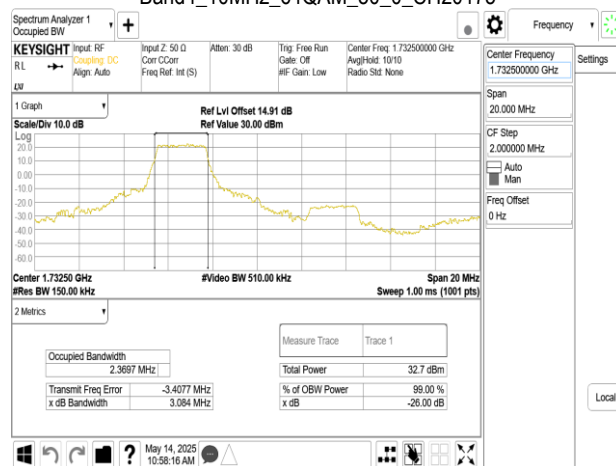
Band4 10MHz 16QAM 25_0_CH20350



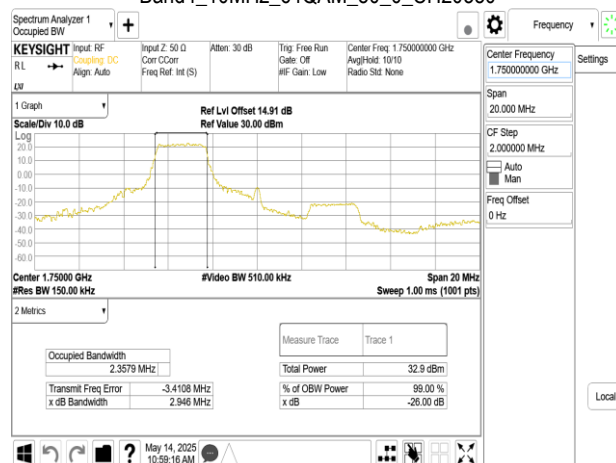
Band4_10MHz_64QAM_50_0_CH20000



Band4_10MHz_64QAM_50_0_CH20175



Band4_10MHz_64QAM_50_0_CH20350

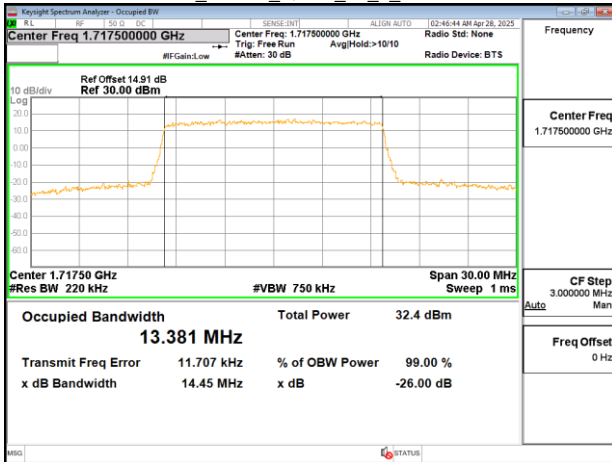


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

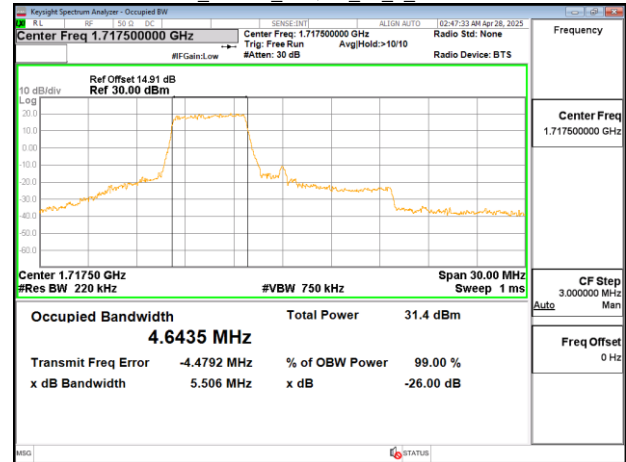
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

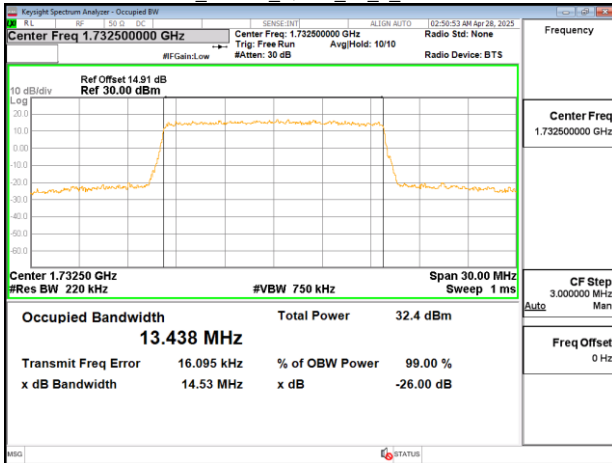
Band4_15MHz_QPSK_75_0_CH20025



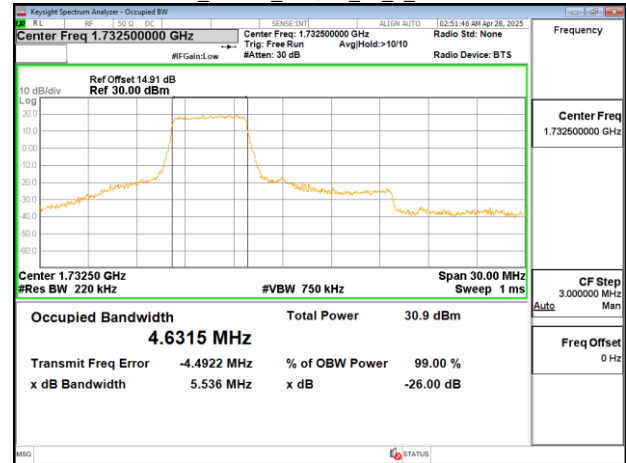
Band4_15MHz_16QAM_25_0_CH20025



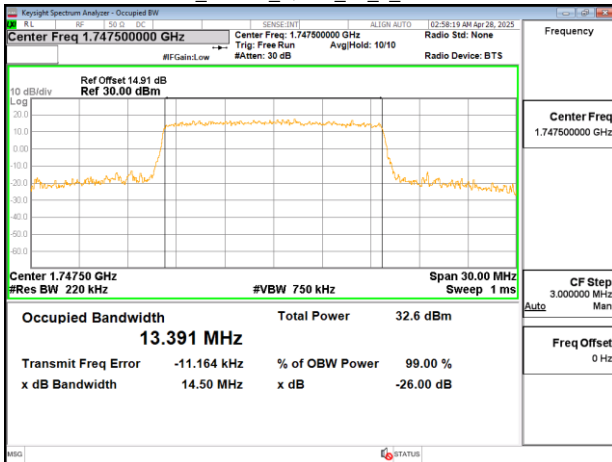
Band4_15MHz_QPSK_75_0_CH20175



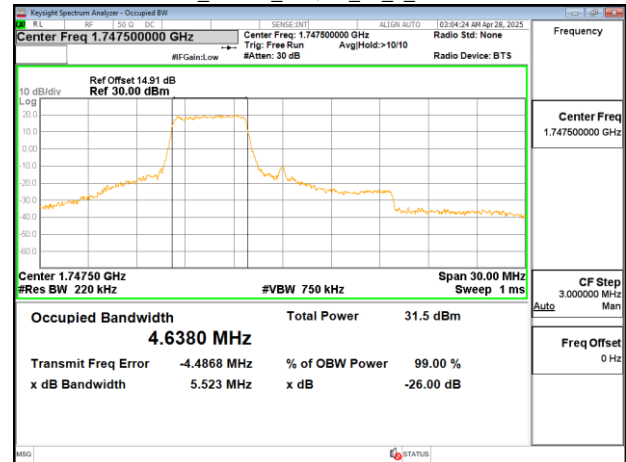
Band4_15MHz_16QAM_25_0_CH20175



Band4_15MHz_QPSK_75_0_CH20325



Band4_15MHz_16QAM_25_0_CH20325

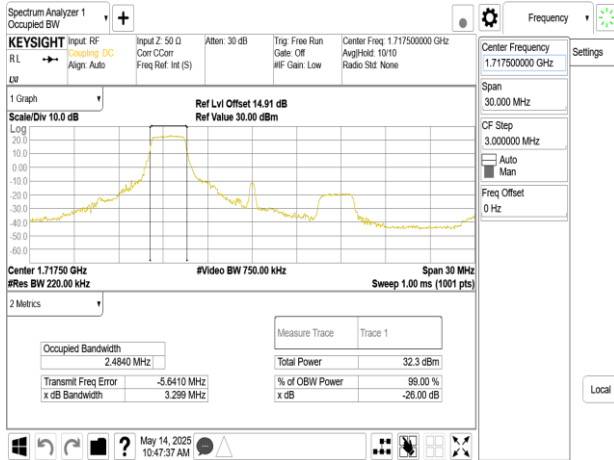


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

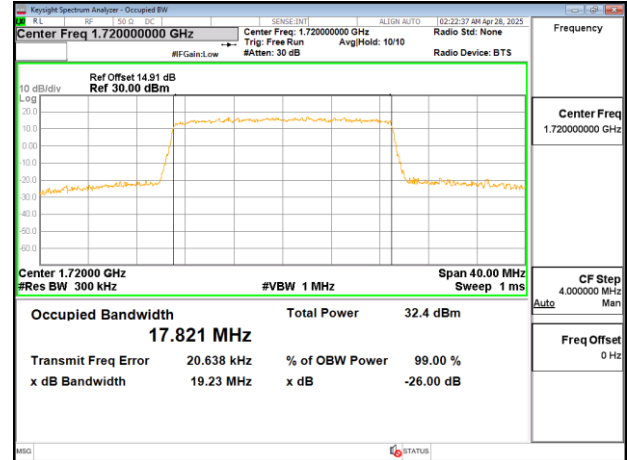
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

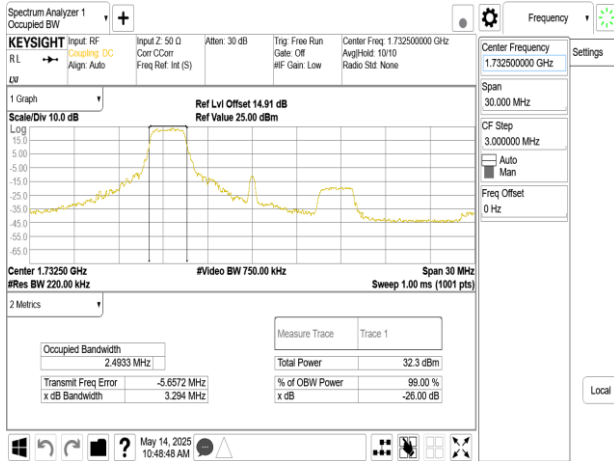
Band4_15MHz_64QAM_75_0_CH20025



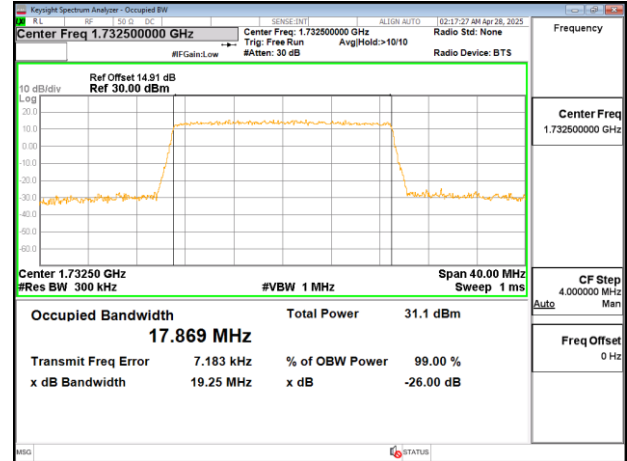
Band4_20MHz_QPSK_100_0_CH20050



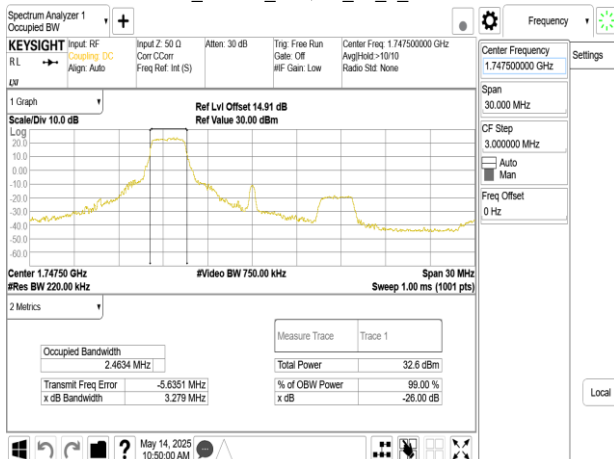
Band4_15MHz_64QAM_75_0_CH20175



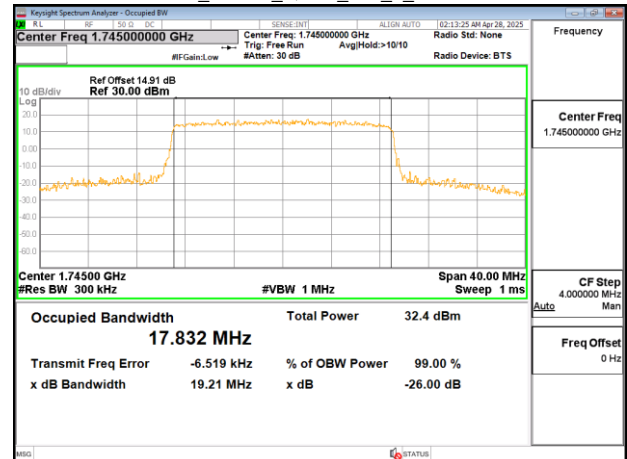
Band4_20MHz_QPSK_100_0_CH20175



Band4_15MHz_64QAM_75_0_CH20325



Band4_20MHz_QPSK_100_0_CH20300

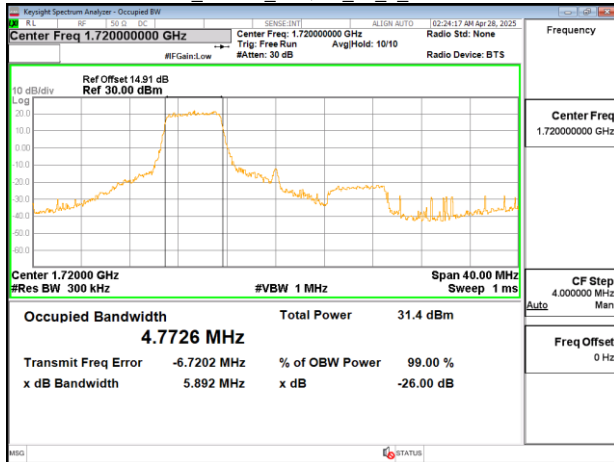


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

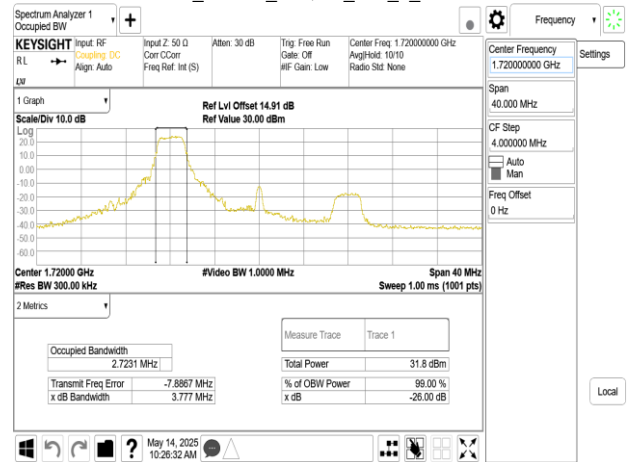
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

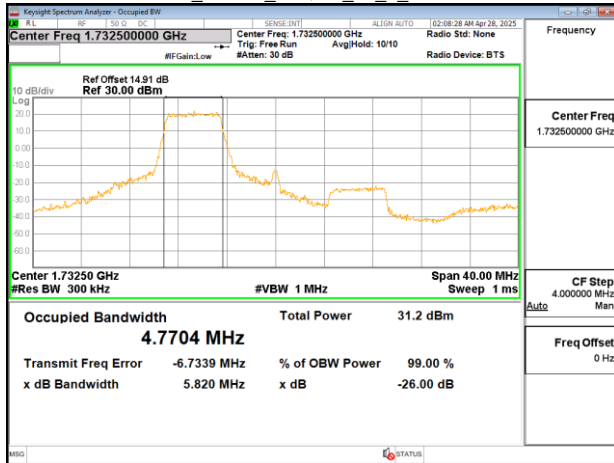
Band4 20MHz 16QAM 25_0_CH20050



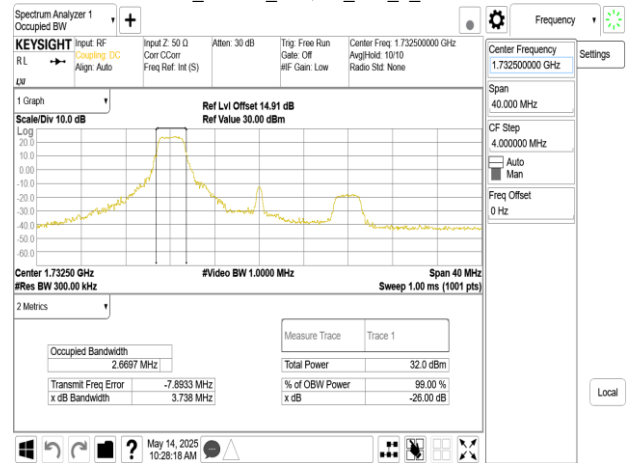
Band4_20MHz_64QAM_100_0_CH20050



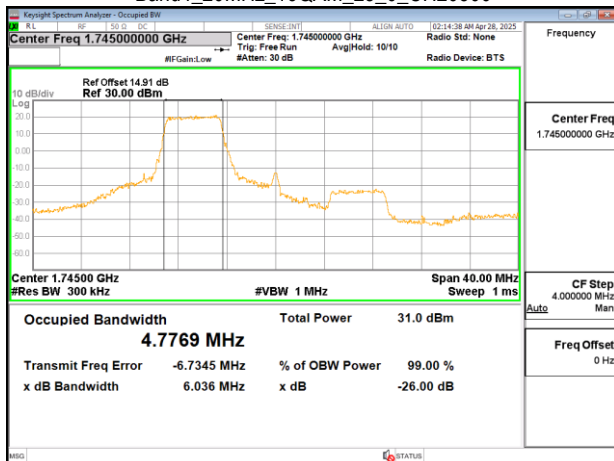
Band4 20MHz 16QAM 25_0_CH20175



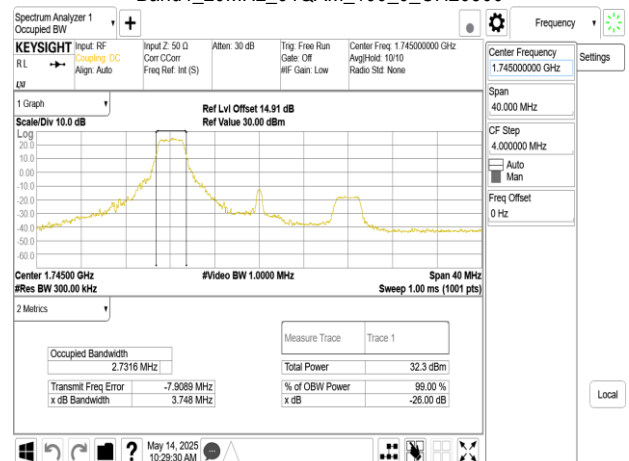
Band4_20MHz_64QAM_100_0_CH20175



Band4 20MHz 16QAM 25_0_CH20300



Band4_20MHz_64QAM_100_0_CH20300

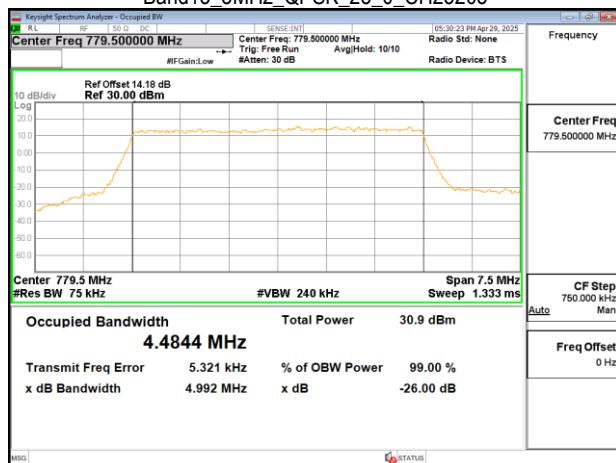


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

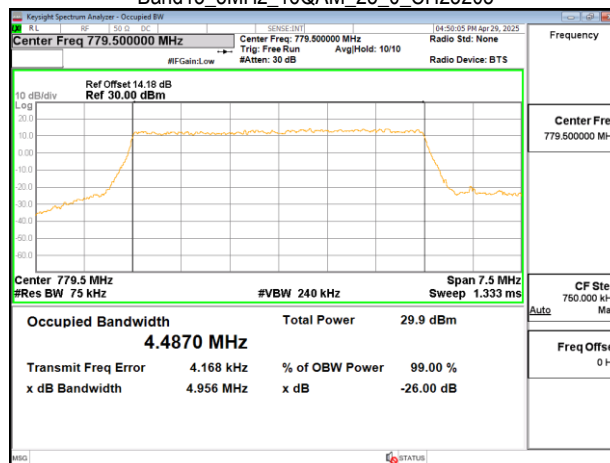
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

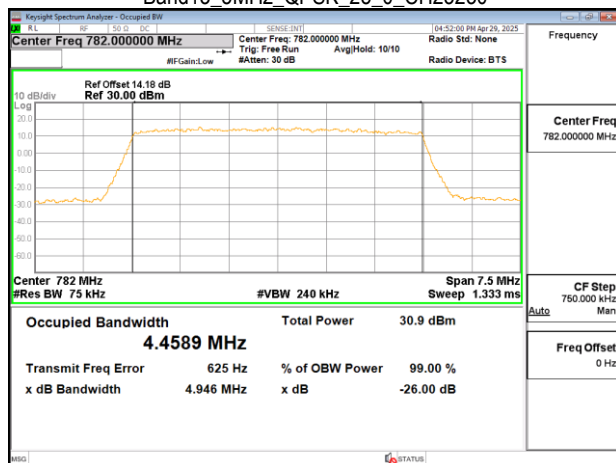
Band13_5MHz_QPSK_25_0_CH23205



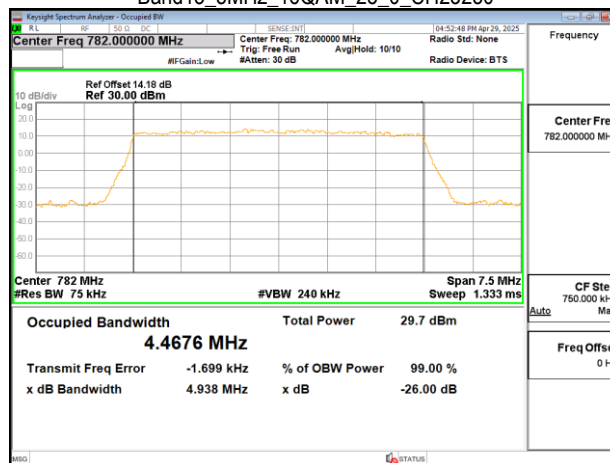
Band13_5MHz_16QAM_25_0_CH23205



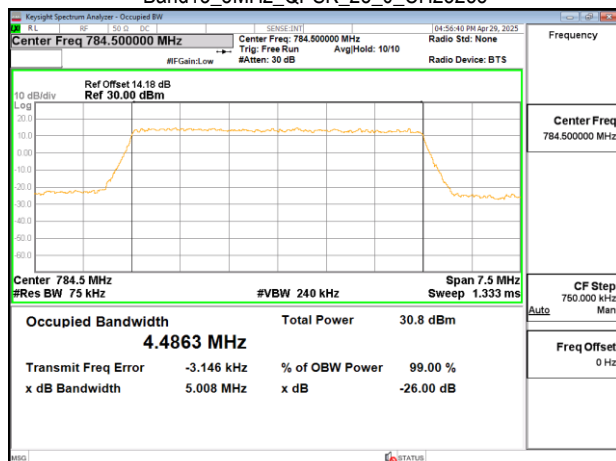
Band13_5MHz_QPSK_25_0_CH23230



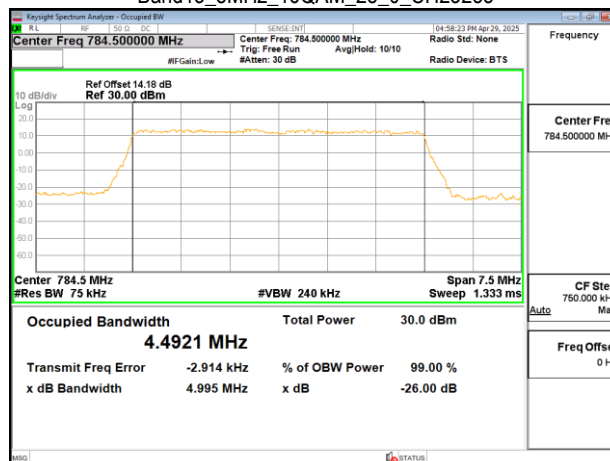
Band13_5MHz_16QAM_25_0_CH23230



Band13_5MHz_QPSK_25_0_CH23255



Band13_5MHz_16QAM_25_0_CH23255

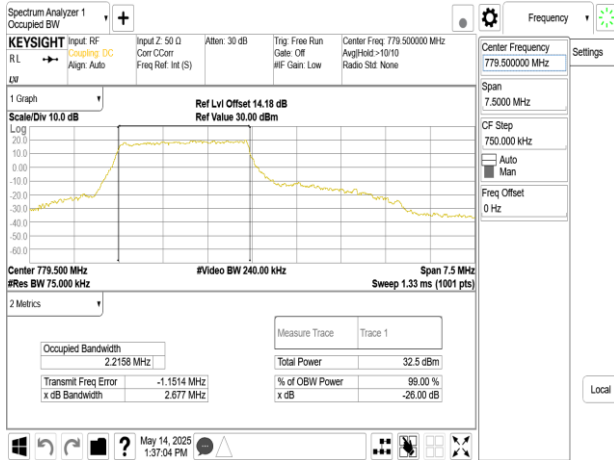


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

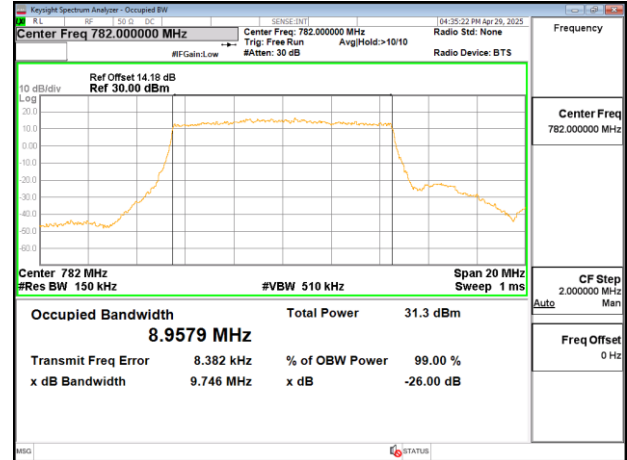
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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.

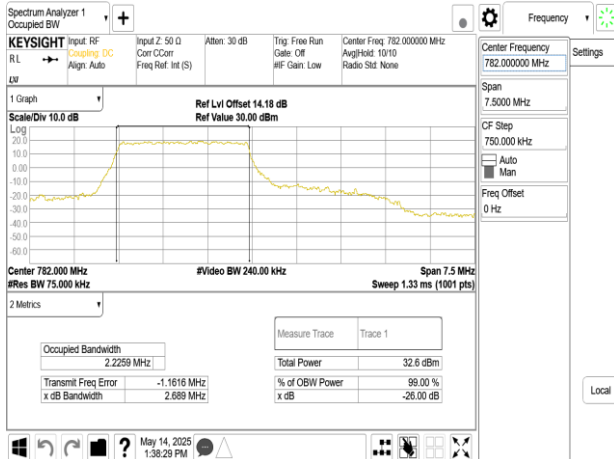
Band13_5MHz_64QAM_25_0_CH23205



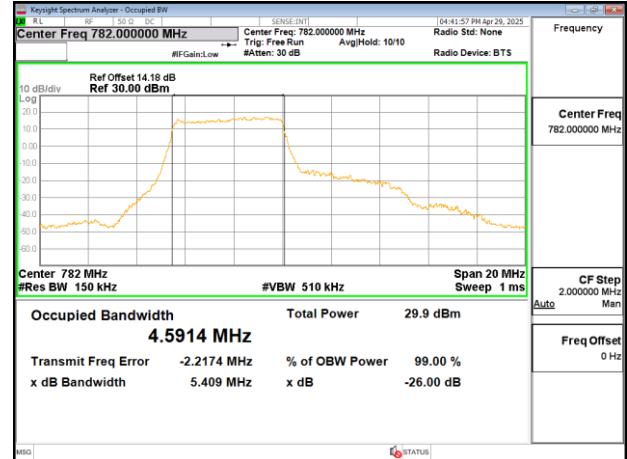
Band13_10MHz_QPSK_50_0_CH23230



Band13_5MHz_64QAM_25_0_CH23230



Band13_10MHz_16QAM_25_0_CH23230



Band13_5MHz_64QAM_25_0_CH23255



Band13_10MHz_64QAM_50_0_CH23230



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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留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.

3 OUT OF BAND EMISSION AT ANTENNA TERMINALS

Refer to next pages.

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留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

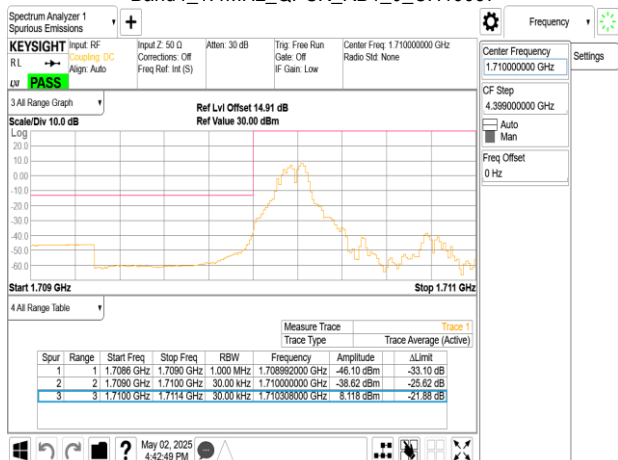
t (886-2) 2299-3279

f (886-2) 2298-0488

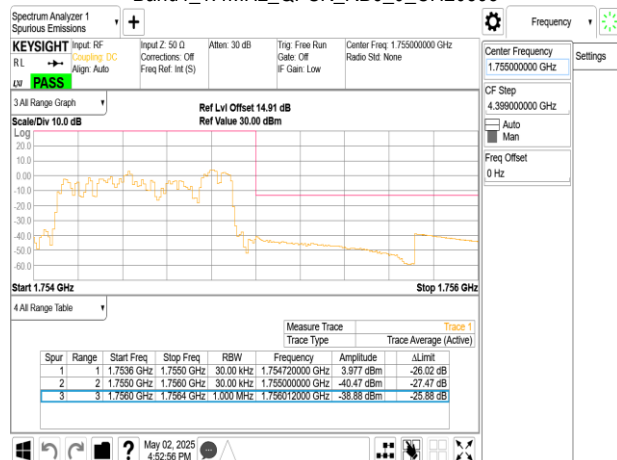
www.sgs.com.tw

Member of SGS Group

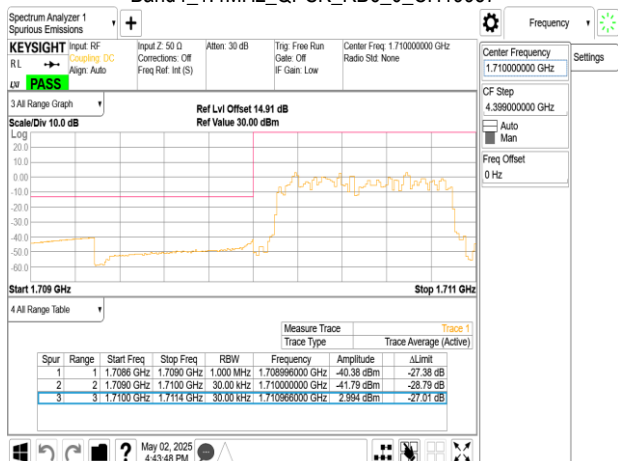
Band4_1.4MHz_QPSK_RB1_0_CH19957



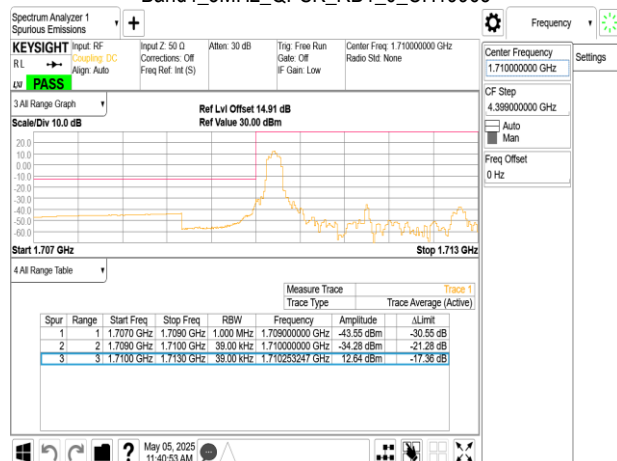
Band4_1.4MHz_QPSK_RB6_0_CH20393



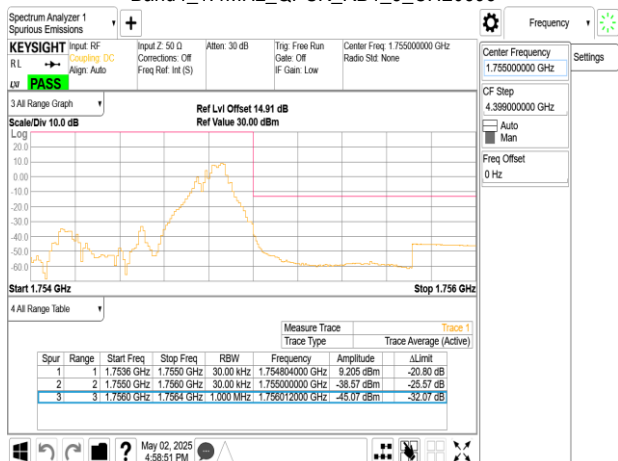
Band4_1.4MHz_QPSK_RB6_0_CH19957



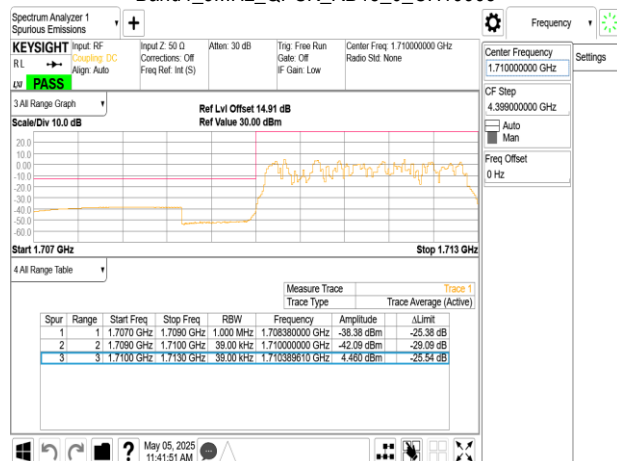
Band4_3MHz_QPSK_RB1_0_CH19965



Band4_1.4MHz_QPSK_RB1_5_CH20393



Band4_3MHz_QPSK_RB15_0_CH19965



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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留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.