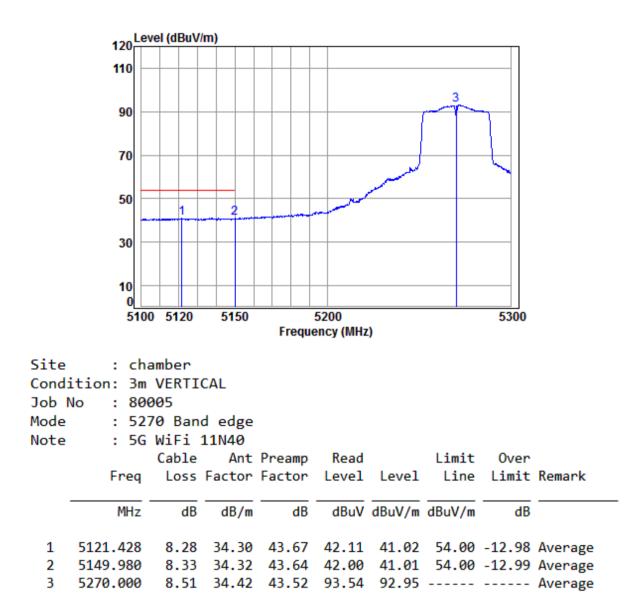


Report No.: HR20188000603 Page: 299 of 391

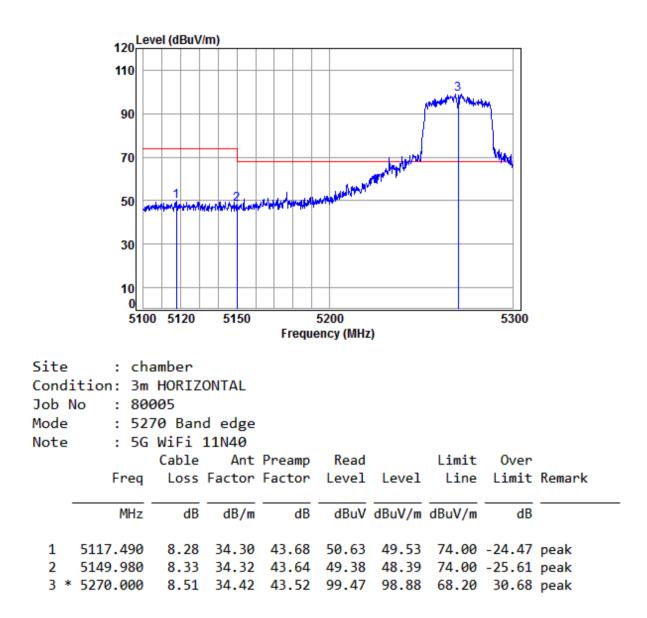
Test mode:802.11n(HT40)Frequency(MHz):5270AverageVertical





Report No.: HR20188000603 Page: 300 of 391

Test mode: 802.11n(HT40) Frequency(MHz):	5270	Peak	Horizontal
--	------	------	------------





Report No.: HR20188000603 Page: 301 of 391

Test mode: 802.11n(HT40) Frequency(MHz):	5270	Average	Horizontal
--	------	---------	------------

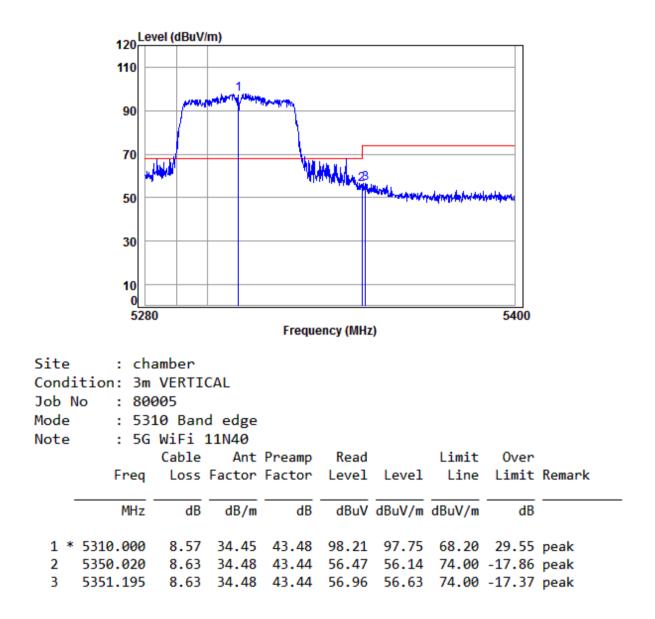


1	5147.697	8.32	34.32	43.65	41.98	40.97	54.00 -13.03 Average	
2	5149.980	8.33	34.32	43.64	41.82	40.83	54.00 -13.17 Average	
3	5270.000	8.51	34.42	43.52	92.52	91.93	Average	



Report No.: HR20188000603 Page: 302 of 391

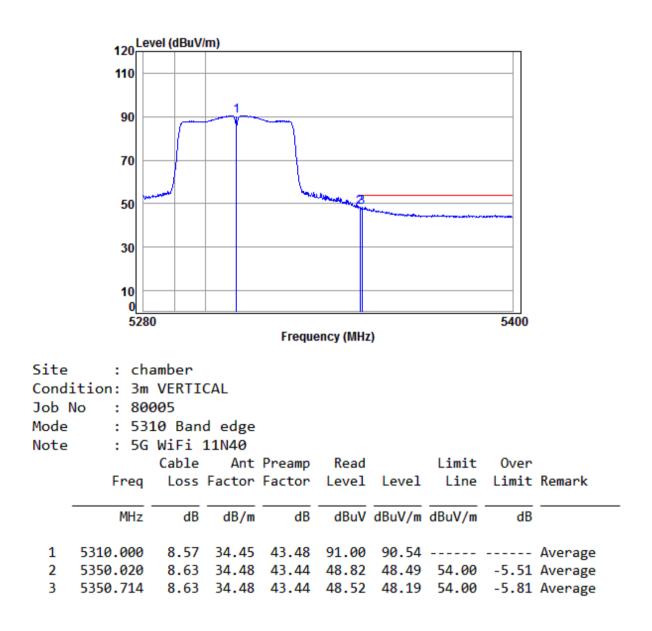
Test mode: 802.11n(HT40) Frequency(MHz):	5310	Peak	Vertical
--	------	------	----------





Report No.: HR20188000603 Page: 303 of 391

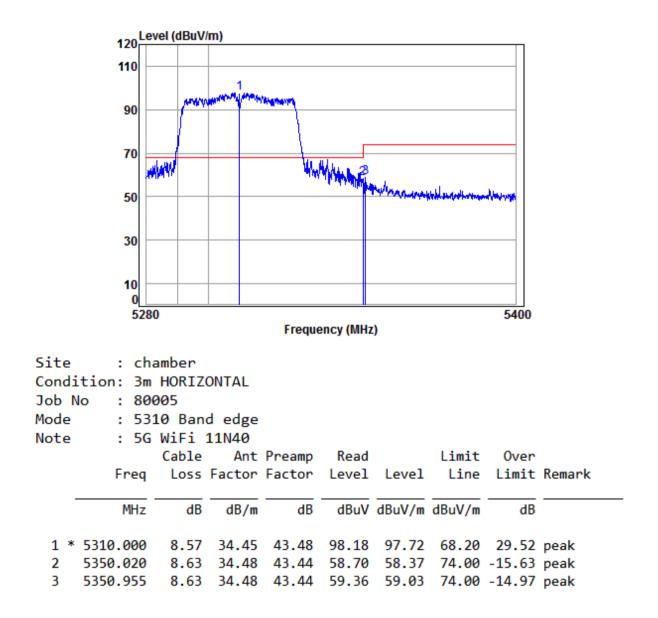
Test mode:802.11n(HT40)Frequency(MHz):5310AverageVertical





Report No.: HR20188000603 Page: 304 of 391

Test mode: 802.11n(HT40) Frequency(MHz): 5310	0 Peak Horizontal
---	-------------------

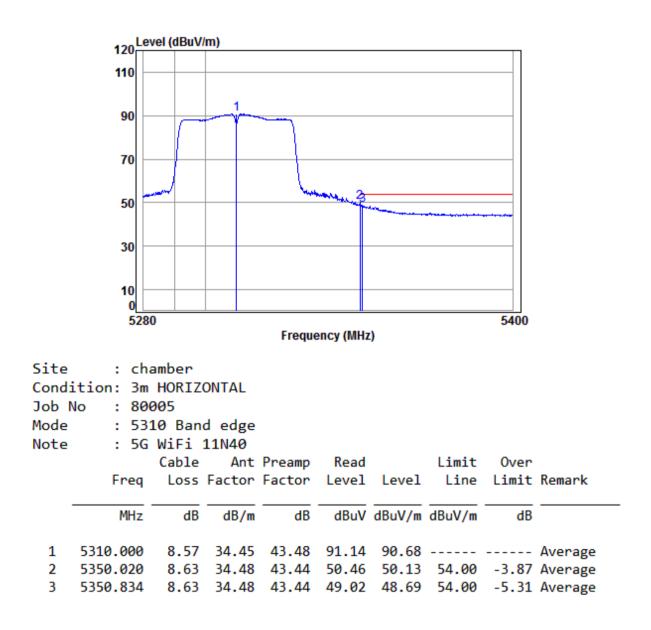


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 305 of 391

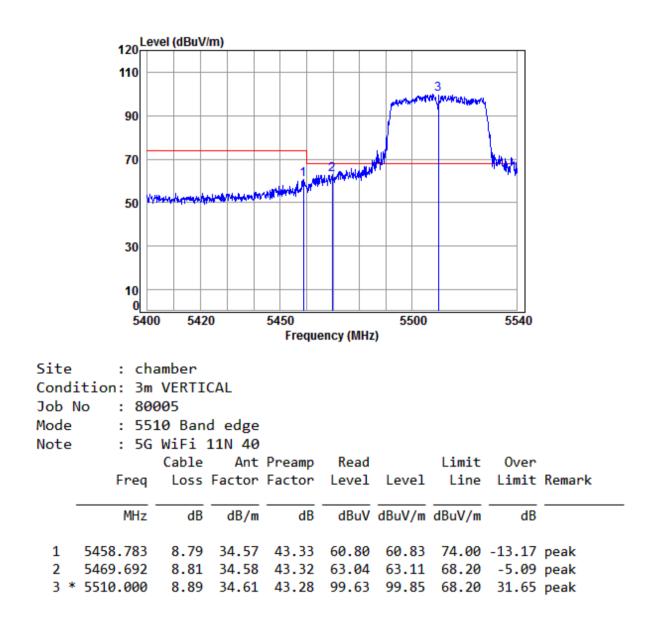
Test mode:802.11n(HT40)Frequency(MHz):5310AverageHoriz	ontal
--	-------





Report No.: HR20188000603 Page: 306 of 391

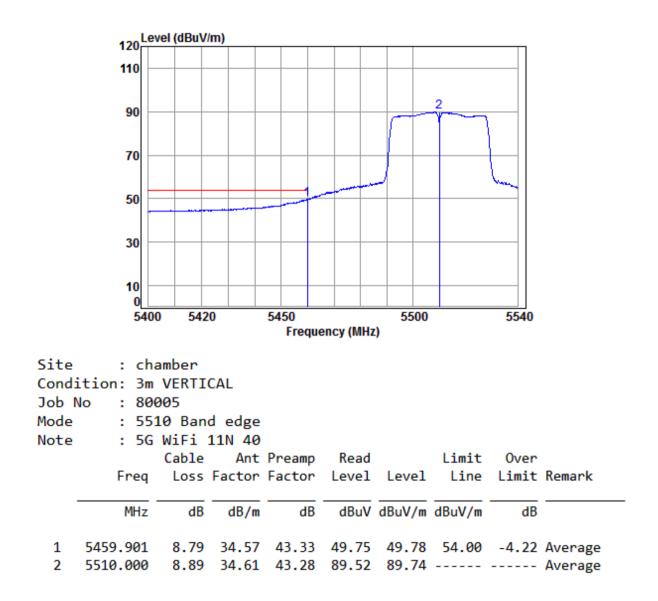
Test mode:802.11n(HT40)Frequency(MHz):5510	Peak	Vertical
--	------	----------





Report No.: HR20188000603 Page: 307 of 391

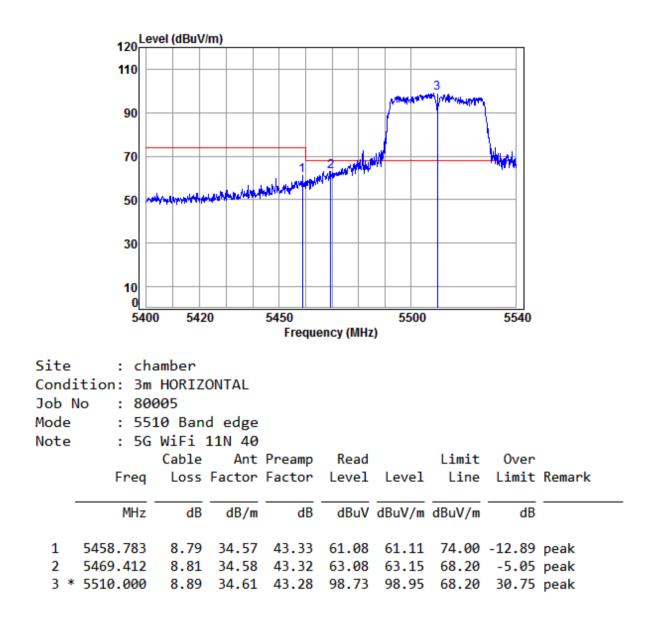
Test mode: 802.11n(HT40) Frequency(MHz):	5510	Average	Vertical
--	------	---------	----------





Report No.: HR20188000603 Page: 308 of 391

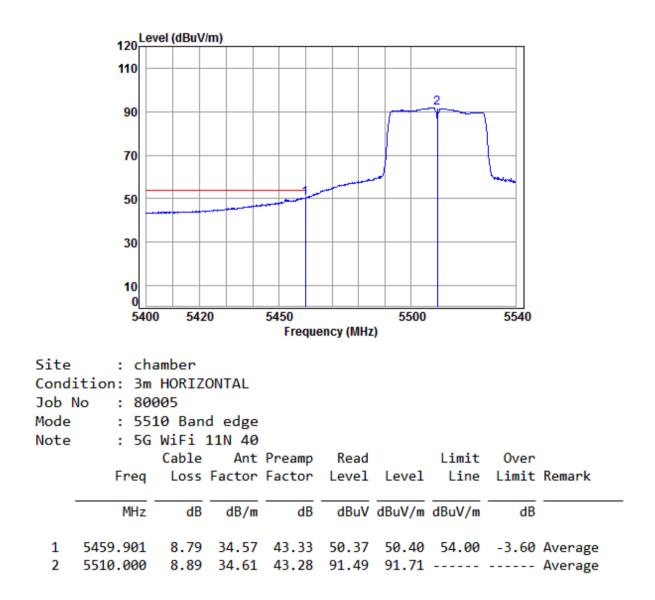
Test mode: 802.11n(HT40) Frequency(MHz):	5510	Peak	Horizontal
--	------	------	------------





Report No.: HR20188000603 Page: 309 of 391

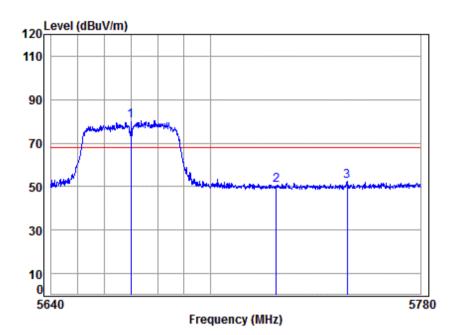
Test mode: 802.11n(HT40) Frequency(MHz):	5510	Average	Horizontal
--	------	---------	------------





Report No.: HR20188000603 Page: 310 of 391

Test mode:802.11n(HT40)Frequency(MHz):5670PeakVertical
--



Condition: 3m VERTICAL Job No : 80005 Mode : 5670 Band edge Note : 5G WiFi 11N 40

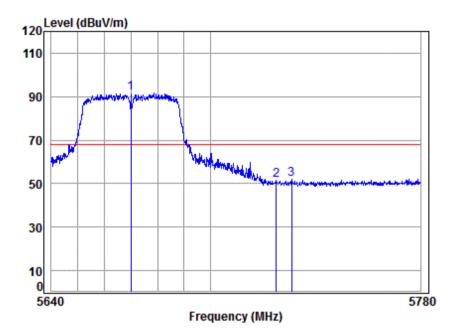
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2	5670.000 5725.000 5751.866	9.64	34.83	41.84	47.87	50.50	68.20	-17.70	Peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 311 of 391

Test mode:802.11n(HT40)Frequency(MHz):	5670	Peak	Horizontal
--	------	------	------------



Condition:	3m HORIZONTAL
Job No :	80005
Mode :	5670 Band edge
Note :	5G WiFi 11N 40

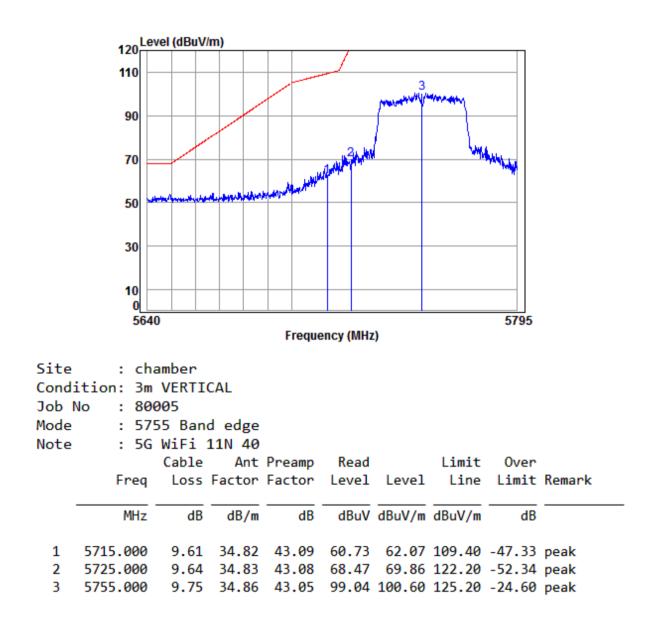
	Cable	Ant Preamp	Read		Limit	0ver	
Freq	Loss Fac	tor Factor	Level	Level	Line	Limit	Remark
MHz	dB d	B/m dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5670.000	9.45 34	.77 41.88	89.19	91.53	68.20	23.33	peak
2 5725.000	9.64 34	.83 41.84	48.81	51.44	68.20	-16.76	peak
3 5730.750	9.66 34	.84 41.83	49.40	52.07	68.20	-16.13	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 312 of 391

Test mode: 802.11n(HT40) Fre	equency(MHz): 5755	Peak	Vertical
------------------------------	--------------------	------	----------

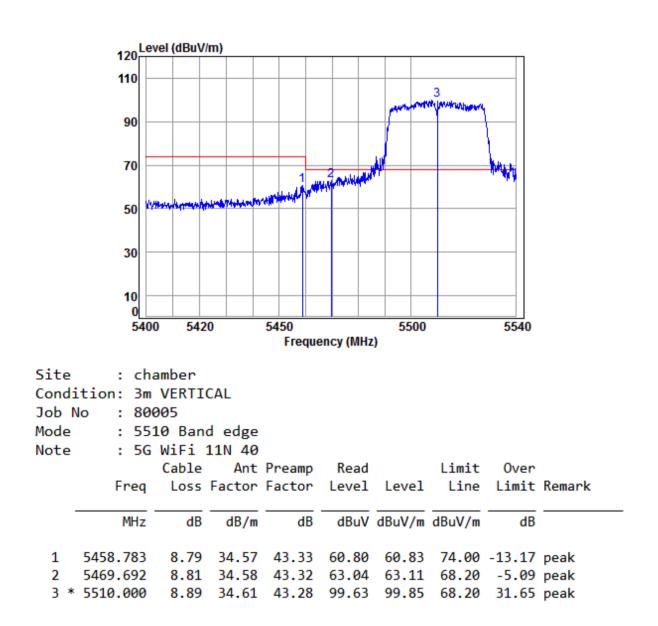


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 313 of 391

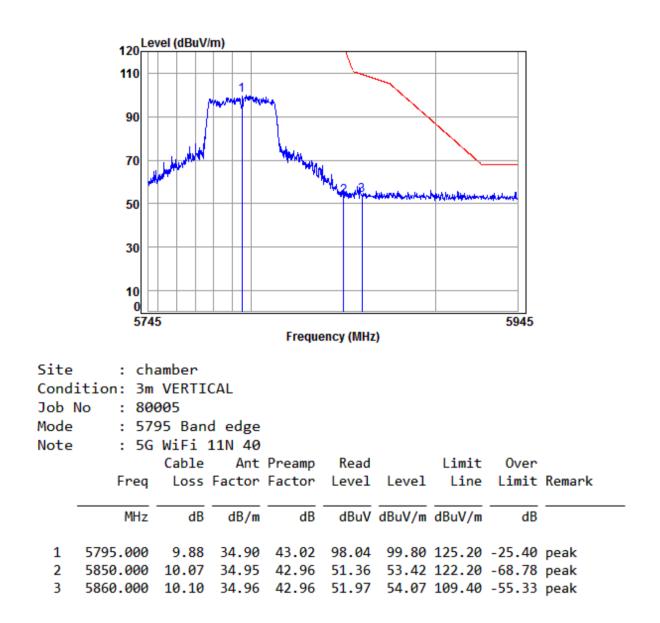
Test mode: 802.11n(HT40)	Frequency(MHz):	5755	Peak	Horizontal
--------------------------	-----------------	------	------	------------





Report No.: HR20188000603 Page: 314 of 391

Test mode: 802.11r	n(HT40) Frequency(MHz):	5795	Peak	Vertical
--------------------	-------------------------	------	------	----------

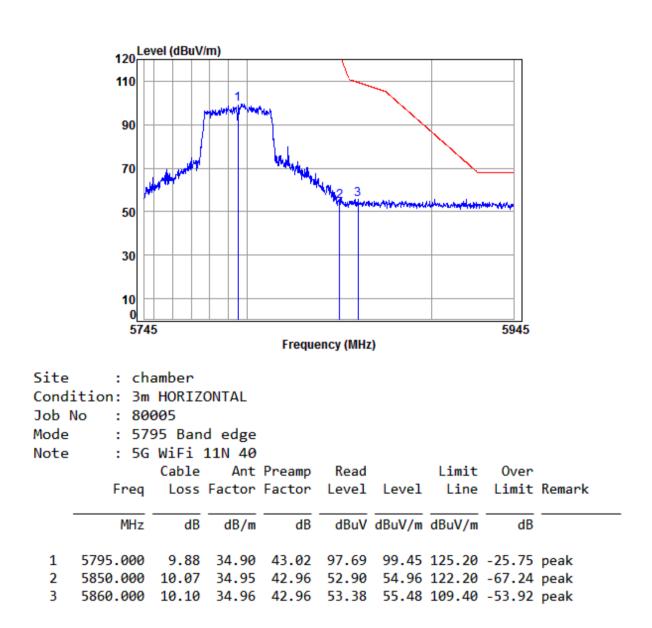


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document to exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 315 of 391

Test mode:802.11n(HT40)Frequency(MHz):	5795	Peak	Horizontal
--	------	------	------------



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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 316 of 391

Test mode:	802.11ac(HT20)	Frequency	y(MHz):	51	180	Peak	Vertical
	avel (dDu)//m)						
120 ^L	.evel (dBuV/m)						
110					2		
					All Martin		
90			_	-+			
						ula	
70				AND TO BE AND TO		THE REAL PROPERTY AND A	
		man and the second	Real				
50	www.aturan.elular.htm	and the second					
30							
10			_				
0			5450				
51	00 5110 5120		5150 ency (MHz)		5200	
	hamber						
Condition: 3 Job No : 8	m VERTICAL 0005						
	0005 180 Band edg	•					
	G WiFi 11AC						
		t Preamp	Read		Limit	0ver	
Free				Level			Remark
MHz	z dB dB/i	m dB	dBuV	dBuV/m	n dBuV/m	dB	
1 5149.157	8.32 34.3	2 38.40	53.73	57.97	7 74.00	-16.03	peak
2 5149.986				58.65		-15.35	-
3 * 5180.000	8.37 34.3	5 38.38	97.59	101.93	68.20	33.73	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 317 of 391

Test mo	de:	802.11ac	(HT20	Frequency	y(MHz):	518	80	Average	V	ertical
		aval (dDate)	(m)							
	120	evel (dBuV/	<u>m)</u>							
	110									
							3			
	90		_		_					
							1			
	70									
	50									
	30									
	10									
	~	00 5110	5120		5150			5200		
				Freque	ency (MHz)				
Site	: с	hamber								
	ition: 3		CAL							
Job I	No : 8	0005								
Mode		180 Ban	_							
Note	: 5	G WiFi :								
	[no.	Cable		Preamp Factor			Limit Line		Remark	
	Free	LOSS	Factor	Factor	Level	rever	LTUE	LIMIC	кепанк	
	MHz	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5149.357	8.32	34.32	38.40	44.00	48.24			Average	
2	5149.980		34.32						Average	
3	5180.000	8.37	34.35	38.38	90.07	94.41			Average	

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 318 of 391

Test mode:	802.11ac(HT20)	Frequency	/(MHz):	51	80	Peak	Horizontal
120 ₀	evel (dBuV/m)						
110							
					3		
90							
70				NWW -		Manual .	
			A Company and the second			1	
50	with the state of the state of the state of the	when the market	Winter.				
30							
10							
0							
51	100 5110 5120		5150 ency (MHz)		5200	
	hamber						
Condition: 3 Job No : 8	M HORIZONIAL 0005						
	180 Band edg	<u>م</u>					
	G WiFi 11AC						
···· · ·		t Preamp	Read		Limit	0ver	
Free	q Loss Facto	r Factor	Level	Level	Line	Limit	Remark
MLI	z dB dB/		-dB-W	dD. M/m	dBull/m		
MHz	z dB dB/	m dB	ubuv	ubuv/m	dBuV/m	dB	
1 5148.857	7 8.32 34.3	2 38.40	54.00	58.24	74.00	-15.76	peak
2 5149.986						-17.84	•
3 * 5180.000	8.37 34.3	5 38.38	94.90	99.24	68.20	31.04	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 319 of 391

Test mod	de:	802.11ac)	(HT20	Frequency	y(MHz):	518	30	Average	Horizontal
			<i>.</i>						
	120	_evel (dBuV	/m)						
	110								
	90						3		
						- C			
	70				_				
	50				P-A				
		·							
	30								
	10 0								
	51	00 5110	5120		5150			5200	
				Freque	ency (MHz)			
Site	: c	hamber							
	ition: 3		ONTAL						
Job I		0005							
Mode Note		180 Ban G WiFi		a					
Note		Cable		Preamp	Read		Limit	0ver	
	Free			Factor					Remark
						10.14	10.14		
	MH	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.157	7 8.32	34.32	38.40	43.14	47.38	54.00	-6.62	Average
2	5149.980	8.33	34.32	38.40	43.69				Average
3	5180.000	8.37	34.35	38.38	87.37	91.71			Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



802 11ac(HT20

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000603 Page: 320 of 391

Test mode:	802.11ac(I)	F	requency	(MHz):	524	40	Peak	Vertical
	ovol (dDu)//r	-						
120 ^L	.evel (dBuV/r	ii)						
110								
	hand	M						
90								
70	Martin .	Why we						
			Wie.					
50			Well & Mary may	-	فسياد والمراجع	Andreas and the second	3	
30								
10 0								
	20	5250					5360	
			Freque	ency (MHz)			
	hamber							
Condition: 3 Job No : 8	m VERTIC 0005	AL						
	240 Band	edge						
	G WiFi 1	-)					
_	Cable		Preamp	Read		Limit	0ver	
Fred	Loss	actor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5240.000		34.40	38.34			68.20		
2 5350.020 3 5350.646		34.48 34.48	38.27 38.26	42.26 44.30	47.10 49.15		-26.90 -24.85	•
5 5550.040	. 0.05	54.40	50.20	44.50	47.17	/4.00	24.05	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's ole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 321 of 391

Test mod	de:	802.11ac)	(HT20	Frequenc	y(MHz):	524	40	Average	Vertical
	-								
	120	Level (dBuV	/m)						
	110								
	90								
	70								
	50								
								2	
	30								
	10								
	0 50	220	5250					5360	
			0200	Frequ	ency (MHz	2)		0000	
Site		L							
	: c ition: 3	hamber m VERTT	CAL						
Job I		0005	CAL						
Mode	: 5	240 Ban	d edge						
Note	: 5	G WiFi							
	_	Cable		Preamp			Limit		
	Free	q Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MH:	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.40	38.34	90.14	94.66			Average
2	5350.020			38.27		40.71	54.00	-13.29	Average
3	5350.504	4 8.63	34.48	38.26	35.77	40.62	54.00	-13.38	Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 322 of 391

Test mode:	802.11ac(HT20)	Frequency	(MHz):	5240	Peak	Horizontal
	aval (dDa)((m)					
120 ^L	.evel (dBuV/m)					
110						
	mound					
90						
70	und here					
70	# ⁴	4				
50		White and			23	
50				n iyyin manin kalinda	pland of the state	
30						
10						
0_	20 5250				5360	
52	.20 5250	Freque	ncy (MHz)		5500	
Site : c	hamber					
Condition: 3						
	0005					
	240 Band edge					
Note : 5	G WiFi 11AC 2 Cable Ant	20 t Preamp	Read	Limi	t Over	
Fred					e Limit	Remark
MHz	z dB dB/r	n dB	dBuV dE	3uV/m dBuV/	m dB	
1 * 5240.000	8.46 34.40	38.34	94.28 9	98.80 68.2	0 30.60	peak
2 5350.020	8.63 34.48	8 38.27	42.28 4	47.12 74.0	0 -26.88	
3 5354.754	8.64 34.49	9 38.26	43.89 4	48.76 74.0	0 -25.24	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's ole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 323 of 391

Test mod	de:	802.11ac(HT2)	⁰ Frequenc	y(MHz):	524	40	Average		Horizontal
		ovol (dBu\//m)							
	120	Level (dBuV/m)							
	110								
	90								
	70								
			\mathbf{X}						
	50						2		
	30								
	10 0								
	5	220 5250					5360		
			Frequ	ency (MHz)				
Site	: c	hamber							
		m HORIZONTA	AL.						
Job N		0005							
Mode Note		240 Band ed G WiFi 11A	-						
Note	: >		Ant Preamp	Read		Limit	0ver		
	Free		tor Factor		Level			Remark	
	MH:	z dB di	B/m dB	dBuV	dBuV/m	dBuV/m	dB		
1	5240.00	a 8.46 34	.40 38.34	87.20	91.72			Average	2
2	5350.020		.48 38.27					Average	
3	5350.78	7 8.63 34	.48 38.26	35.77	40.62	54.00	-13.38	Average	2



Report No.: HR20188000603 Page: 324 of 391

Test mode:	802.11ac(HT20)	Frequenc	Frequency(MHz):			Peak	Vertical
120	_evel (dBuV/m)						
110					3		
90						<u> </u>	
70					1	<u></u>	
				لملجه طليليك	h.		
50	Muna-guessies	2	an performance	all the second s			
30							
10							
U_ 51	100 5120 51	50	5200			5280	
		Frequ	iency (MHz)			
	hamber						
Condition: 3 Job No : 8	m VERTICAL 0005						
	260 Band edg	e					
	G WiFi 11AC2						
_		t Preamp			Limit	0ver	
Free	q Loss Facto	or Factor	Level	Level	Line	Limit	Remark
MH	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5146.737						-25.06	-
2 5149.980		43.64				-26.69	-
3 * 5260.000	8.49 34.4	1 43.53	101./2	101.09	68.20	32.89	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 325 of 391

Test mod	de:	802.11ac)	:(HT20	Frequency	y(MHz):	526	60	Average	Vertical
			i						
	120	Level (dBuV	// m)						
	110								
	3								
	90								
	70						\rightarrow	+	
	50	1							
				·					
	30								
	10								
	5	100 5120	515		5200		I	5280	
				Freque	ency (MHz)			
Site	: c	hamber							
Condi	ition: 3	m VERTI	CAL						
Job I		0005							
Mode		260 Ban	_						
Note	: 5	G WiFi Cable		Preamp	Road		Limit	0ver	
	Free			Factor					Remark
	MH:	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5126.78	1 8.29	34.31	43.67	40.23	39.16	54 00	-14 84	Average
2	5149.98			43.64					Average
3	5260.000								Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 326 of 391

Test mode:	802)	.11ac(I	HT20	requenc	y(MHz):	52	60	Peak	Horizontal	
	120 Level	(dBuV/n	n)							
	110	_					3			
	90									
							. " "			
	70		_				Mar.	- *		
	1									
	50	huqund hahand			www.l/w/www					
	30									
	10									
	5100	5120	5150		5200			5280		
				Frequ	ency (MH)	()				
Site	: cham	ber								
Condition			NTAL							
	: 8000									
	: 5260 : 5G W:		-							
NOLE		able		Preamp	Read		Limit	0ver		
1				Factor		Level			Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 5100	.177	8.25	34.28	43.69	53.34	52.18	74.00	-21.82	peak	
2 5149	.980	8.33	34.32	43.64	52.09	51.10		-22.90	•	
3 * 5260	.000	8.49	34.41	43.53	103.82	103.19	68.20	34.99	peak	

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 327 of 391

Test mod	de:	802.11ac)	(HT20	Frequency	y(MHz):	520	60	Average	Horizontal
		ovol (dDr/V	(m)						
	120 ^L	evel (dBuV							
	110								
	90								
	70								
						/			
	50		12						
	30								
	30								
	10								
	0								
	51	00 5120	5150		5200 ency (MHz	a		5280	
				Treque	circy (min	-)			
Site		hamber							
Condi Job N	ition: 3	m HORIZ 0005	ONTAL						
Mode		0005 260 Ban	d edge						
Note		G WiFi	-						
		Cable		Preamp	Read		Limit	0ver	
	Free	l Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	-dBuV		dBuV/m	dB	
	11112	uD	00/11	ub	ubuv	ubuv/m	ubuv/ill	ub	
1	5146.915			43.65					Average
2	5149.980								Average
3	5260.000	8.49	34.41	43.53	96.66	96.03			Average



Report No.: HR20188000603 Page: 328 of 391

Test mode:	802.11ac(HT20)	Frequency(MHz):	5320	Peak	Vertical
120	Level (dBuV/m)			· · · · · · · · · · · · · · · · · · ·	
110					
	1				
90		\			
70	Jow M	Mine.			
		12 3			
50				- Back J	
		Mnyu 23		Mar (1997) (1997) 1991	
30					
10					
0					
5	300 5310 5320	5350 Frequency (MH:	z)	5400	
			-,		
	chamber				
Condition: 3 Job No : 8					
	80005 5320 Band edg	•			
	5520 Band edg 56 WiFi 11AC2				
		t Preamp Read	Limit	t Over	
Fre		r Factor Level	Level Line	e Limit	Remark
MH	lz dB dB/	m dB dBuV	dBuV/m dBuV/r	n dB	
1 * 5320.00		6 43.47 101.55		32.92	
2 5350.02				0 -18.51	
3 5352.86	7 8.63 34.4	9 43.44 57.80	57.48 74.00	0 -16.52	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 329 of 391

Test mo	de:	802.11ac)	(HT20	Frequency	/(MHz):	532	20	Average	Vertical
		aval (dDu)	()						
	120	evel (dBuV	/m)						
	110								
			1						
	90				_		_		
	70			\vdash					
	50			\rightarrow	2				
	30								
	10								
	0	00 5310	5320		5350			5400	
	55	00 5510	5520		ency (MHz)		5400	
e.,		h a sa h							
Site	ition: 3	hamber m VERTT	CAL						
Job I		0005	CAL						
Mode		320 Ban	d edge						
Note		G WiFi	_						
		Cable		Preamp			Limit		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.58	34.46	43.47	94.42	93.99			Average
2	5350.020			43.44					Average
3	5350.767	8.63	34.48	43.44	46.38	46.05	54.00	-7.95	Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000603 Page: 330 of 391

Test mode:	802.11ac(HT20)	Frequency	(MHz):	532	20	Peak	Horizontal
					·		
120	Level (dBuV/m)						
110							
	1						
90							
		1					
70	- AND AND	hand the state of	_				
	M ⁴⁴		22				
50		¥	WW WHATHAT	horetheast	And a march at	المد والد الم	
30							
10 0							
-	300 5310 5320		350	I		5400	
		Freque	ncy (MHz)				
Site : d	hamber						
	3m HORIZONTAL						
	30005						
	5320 Band edg 5G WiFi 11AC2						
Note :		o t Preamp	Read		Limit	0ver	
Fre				Level	Line		Remark
MH	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.00	0 8.58 34.4	6 43.47	100.57	100.14	68.20	31.94	peak
2 5350.02	0 8.63 34.4	8 43.44	52.83	52.50	74.00	-21.50	peak
3 5352.46	7 8.63 34.4	9 43.44	51.91	51.59	74.00	-22.41	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 331 of 391

Test mod	de:	802.11ac)	(HT20	Frequency	y(MHz):	532	20	Average	Horizontal
	-								
	120	evel (dBuV	/m)						
	110								
	90				_				
	70								
	50			\rightarrow	3		_		
					Turnet				
	30								
	10				_				
	0_ 53	600 5310	5320		5350			5400	
					ency (MHz)			
Site	• •	hamber							
	ition: 3		ONTAL						
Job I		0005							
Mode		320 Ban	_						
Note	: 5	G WiFi		_				_	
	F	Cable		Preamp			Limit		Dements
	Freq	LOSS	Factor	Factor	Level	Level	Line	Limit	кемагк
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.58	34.46	43.47	93.66	93.23			Average
2	5350.020			43.44					Average
3	5350.866	5 8.6 3	34.48	43.44	44.73	44.40	54.00	-9.60	Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 332 of 391

Test mode:	802.	11ac(HT20	Frequenc	y(MHz):	550	00	Peak	Vertical
	120 Level (dBuV/m)						
	110							
						ANIN THE MAKE		
	90							
					1			
	70			_	M		Mal	
					HAR .		1	
	50	-		and the state				
	30							
	10							
	0							
	5400	5420	5450 Frequ	ency (MHz	9	5500	5520	
				, , , , , , , , , , , , , , , , , , , ,	·			
Site	: chamb							
Condition								
Job No Mode	: 80005	Band edg	~					
Note		Fi 11AC2						
noce			t Preamp	Read		Limit	0ver	
		oss Facto			Level			Remark
					10.11/	10.111		
	MHz	dB dB/	m dB	dBuV	dBuV/m	aBuV/m	dB	
1 5459	.791 8	.79 34.5	7 43.33	58.43	58.46	74.00	-15.54	peak
2 5468	.197 8	.80 34.5	8 43.32	59.43	59.49	68.20	-8.71	-
3 * 5500	.000 8	.85 34.6	0 43.29	101.48	101.64	68.20	33.44	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 333 of 391

Test mod	le:	802.11ac	(HT20	Frequency	/(MHz):	550	00	Average	Vertical
	120	_evel (dBuV	/m)						
	110								
							2		
	90						\frown		
						/			
	70							$\forall \parallel$	
	50								
	50								
	30								
	10								
	0 54	100 54	20	5450			5500	5520	
					ency (MHz)			
Site	: c	hamber							
	ition: 3		CAL						
Job N	lo : 8	0005							
Mode	: 5	500 Ban	d edge						
Note	: 5	G WiFi							
				Preamp			Limit	0ver	
	Free	q Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MH	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.910	8.79	34.57	43.33	45.57	45.60	54.00	-8.40	Average
2	5500.000	8.85	34.60	43.29					Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's ole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 334 of 391

Test mode:	802.11ac(HT20)	Frequency(MHz):	5500	Peak	Horizontal
	ovol (dBu)//m)				
120 <mark>L</mark>	evel (dBuV/m)				
110			2		
			prostation and a	.	
90					
70				Mark	
		1	att Y		
50	When the second second	and a constrained with the start of the star			
30					
50					
10					
0					
54	100 5420	5450	5500	5520	
		Frequency (MH)	L)		
Site : c	hamber				
Condition: 3	m HORIZONTAL				
	0005				
	500 Band edg				
Note : 5	G WiFi 11AC2			-	
-		t Preamp Read			Demonto
Free	Loss Facto	r Factor Level	Level Line	e Limit	Kemark
MHz	dB dB/	m dB dBuV	dBuV/m dBuV/r	n dB	
1 5450 704	9 70 24 5	7 43 33 50 45		. 14 52	naak
1 5459.791 2 5469.519				0 -14.52 0 -6.16	
3 * 5500.000		0 43.29 102.94		34.90	-



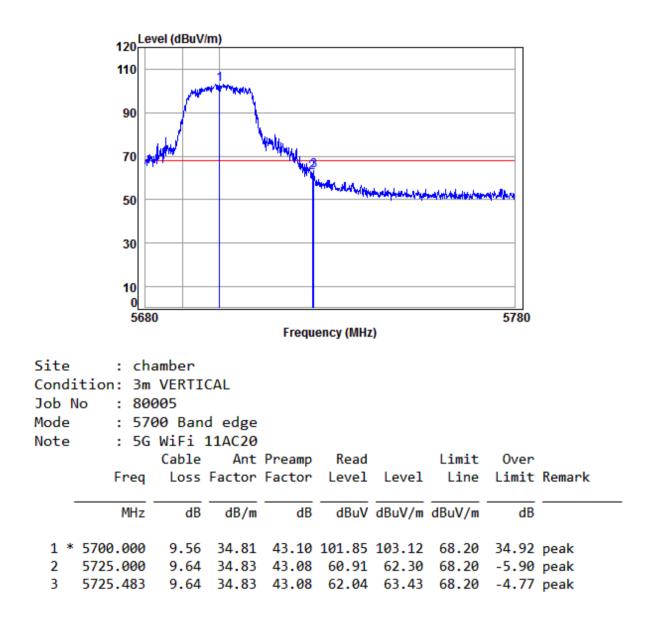
Report No.: HR20188000603 Page: 335 of 391

Test mod	de:	802.11ac)	(HT20	Frequency	/(MHz):	550	00	Average	Horizontal
	120	Level (dBuV	(m)						
	110								
							2		
	90								
	70							+	
	50								
	30				_				
	10								
	0 54	400 54	20	5450			5500	5520	
	_				ency (MHz)			
Site		hamber							
	: c ition: 3		ΟΝΤΛΙ						
Job N		0005	ONTAL						
Mode		500 Ban	d edge						
Note		G WiFi	_						
				Preamp			Limit		
	Free	q Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.791	1 8.79	34.57	43.33	48.05	48.08	54.00	-5.92	Average
2	5500.000								Average



Report No.: HR20188000603 Page: 336 of 391

Test mode: 802.11ac(HT20)	Frequency(MHz):	5700	Peak	Vertical
---------------------------	-----------------	------	------	----------

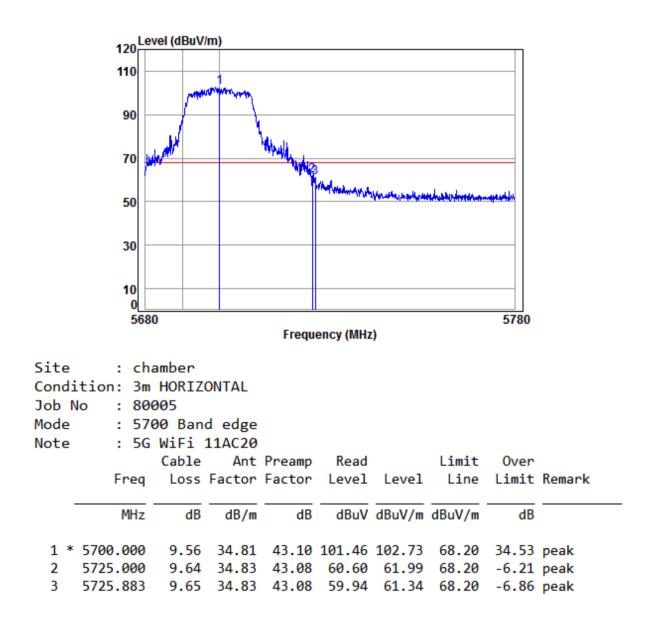


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.sgs and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-and-



Report No.: HR20188000603 Page: 337 of 391

Test mode: 802.11ac(HT	Frequency(MHz):	5700	Peak	Horizontal
------------------------	-----------------	------	------	------------





Report No.: HR20188000603 Page: 338 of 391

Test mode	:	802.11ac(HT:)	20 Frequence	cy(MHz):	574	45	Peak	Vertical
	a aa L	evel (dBuV/m)						
	120							
	110				3			
					-	here a		
	90				1			
				2	للجروا	mu.		
	70			2 		1		
		a su allach là de rèine a du ann de		Nella Street Law			milion	
	50							
	20							
	30							
	40							
	10 0							
	56	40	From	anov (MUz			5780	
			Frequ	uency (MHz)			
Site	: cl	hamber						
		m VERTICAL	-					
Job No		0005						
Mode Note		745 Band e G WiFi 11A	-					
Note	: 50	Cable		Read		Limit	0ver	
	Freq	Loss Fac						Remark
_								
	MHz	dB d	dB/m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5	715.000	9.61 34	4.82 43.09	59.34	60.68	109.40	-48.72	peak
	725.000	9.64 34	4.83 43.08	71.90	73.29	122.20	-48.91	peak
3 5	745.000	9.71 34	4.85 43.06	100.90	102.40	125.20	-22.80	peak



Report No.: HR20188000603 Page: 339 of 391

Test mode	e:	802.11ac(HT)	20 Free	quency(MH	z):	574	15	Peak		Horizontal
	400	.evel (dBuV/m)								
					1					
	110				_	3				
						meter	"hely			
	90									
					2 1		Me			
	70				M		100			
			dia a constant	un and the state	MC			The age		
	50									
	20									
	30									
	10									
	0									
	56	i40		Frequency	(MU-)			5780		
				rrequency	(MITIZ)					
Site	: c	hamber								
		m HORIZONI	ΓAL							
Job No		0005								
Mode Note		745 Band e G WiFi 11/	<u> </u>							
Nore	:)	Cable		eamp R	ead		Limit	0ver		
	Freq	Loss Fa							Remark	
_										
	MHz	dB d	dB/m	dB d	BuV dBu	V/m	dBuV/m	dB		
1	5715.000	9.61 3	4.82 4	3.09 56	.45 57	.79	109.40	-51.61	peak	
	5725.000	9.64 3	4.83 4	3.08 67	.84 69	.23	122.20	-52.97	peak	
3	5745.000	9.71 3	4.85 4	3.06 99	.97 101	.47	125.20	-23.73	peak	



Report No.: HR20188000603 Page: 340 of 391

Test mode:	802.11ac(HT20)	Frequenc	y(MHz):	582	25	Peak	Vertical
110 90 70	.evel (dBuV/m)	Market Hand					
50 30 10 0							
57	790 5810	5850 Frequ	ency (MHz	.)		5945	
Condition: 3 Job No : 8 Mode : 5	0005 825 Band edge G WiFi 11AC Cable An Loss Factor	e 20 t Preamp r Factor	Read Level		Line	Limit	Remark
1 5825.000							neak
	0 10.07 34.9		57.24	59.30	122.20	-62.90	peak



Report No.: HR20188000603 Page: 341 of 391

Test mod	de:	802.11ac(HT2)	²⁰ Frequenc	y(MHz):	582	25	Peak	Horizo	ntal
	120	evel (dBuV/m)							
	110								
	90								
	70	. Mark							
		all water and a second	M2 Unda	wanter and	and to reduce by	den state to see			
	50								
	30								
	10 0								
	57	790 5810	5850	(0.01)			5945		
			Frequ	ency (MHz)				
Site	: c	hamber							
		m HORIZONT	AL						
Job N Mode		0005 825 Band e	daa						
Note		G WiFi 11A	<u> </u>						
Note			Ant Preamp	Read		Limit	0ver		
	Free	Loss Fac						Remark	
	MH:	z	IB/m dB	dBuV	dBuV/m	dBuV/m	dB		
1	5825.000		.93 42.99					•	
2			.95 42.96					•	
3	5860.000	0 10.10 34	.96 42.96	54.31	56.41	109.40	-52.99	peak	



Report No.: HR20188000603 Page: 342 of 391

Test mode:	802.11ac(HT40)	Frequency	/(MHz):	519	90	Peak	Vertical
120	Level (dBuV/m)						
110							
				3			
90				Martin Martin	U.S. C.		
					1		
70						Lines.	
		12 min	H-WANT .			ALCONT. AN	
50	pitrings-faction-scatteres	us with attraction					
30							
10							
0							
51	100 5120	5150 Freque	ency (MHz)	5200	5220	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			
	hamber						
Condition: 3 Job No : 8	m VERTICAL 0005						
	190 Band edg	e a					
	G WiFi 11AC						
		t Preamp	Read		Limit	0ver	
Free	q Loss Facto	or Factor	Level	Level	Line	Limit	Remark
MH:	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5148.863	3 8.32 34.3	2 43.64	61 60	60 60	74 99	-13.40	neak
2 5149.98						-14.28	•
3 * 5190.000						29.46	•



Report No.: HR20188000603 Page: 343 of 391

Test mo	de:	802.11ac	(HT40	requency	/(MHz):	519	90	Average	Vertical
		Level (dDate)							
	120	Level (dBuV/	m)						
	110								
	90				ſ	Ŷ			
	70								
								~	
	50								
	30								
	50								
	10								
	0								
	5	5100 51	20	5150 Freque	ency (MHz)	5200	5220	
				•		-			
Site		chamber 3m VERTI(CA1						
Job I		80005	CAL						
Mode		5190 Ban	d edge						
Note	: !	5G WiFi 🔅							
	F	Cable		Preamp			Limit		Remark
	Fre	eq LOSS	Factor	Factor	revel	revel	Line	Limit	Remark
	MH	lz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.34		34.32	43.64	51.91				Average
2	5149.98		34.32	43.64	52.32	51.33			Average
3	5190.00	0 8.39	34.36	43.60	90.99	90.14			Average



Report No.: HR20188000603 Page: 344 of 391

Test mode:	8	302.11ac()	(HT40	Frequency	y(MHz):	519	90	Peak	Horizontal
	120	vel (dBuV/	m)						
	110								
	90					-	Same with a		
	70								
					A MARINE			APAN A	
	50 🛤	and a star of the star of the	and the state	san allow the					
	30								
	10								
	0								
	510	0 51	20	5150 Erecut	ency (MHz	`	5200	5220	
				Tieque	ency (minz	,			
Site		amber							
Condition			ONTAL						
Job No	: 80								
Mode Note		90 Band WiFi (_	a					
Note	. 56	Cable		Preamp	Read		Limit	0ver	
	Freq			Factor		Level			Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5142	.400	8.31	34.32	43.65	60.78	59.76	74.00	-14.24	peak
	.980	8.33	34.32					-17.51	
3 * 5190	.000	8.39	34.36	43.60		94.55		26.35	



Report No.: HR20188000603 Page: 345 of 391

Test mod	le:	802.11ac(HT4)	Frequenc	cy(MHz):	519	90	Average	F	lorizontal
	120	Level (dBuV/m)							
	110								
	90								
				_ _∫					
	70			+					
			<u> </u>	hand			\sim		
	50								
	30								
	50								
	10								
	0								
	5	100 5120	5150 Frequ) Jency (MHz)	5200	5220		
e				-					
Site Condi		hamber M HORIZONT	Δ1						
Job N		30005							
Mode		190 Band e	dge						
Note	: 5	G WiFi 11A							
	-		Ant Preamp			Limit		Dament	
	Fre	y Loss ⊦ac	tor Factor	rever	rever	Line	LIMIT	Remark	
	MH:	z dB d	IB/m dB	dBuV	dBuV/m	dBuV/m	dB		
1	5149.342		.32 43.64					Average	
2	5149.98		.32 43.64					Average	
3	5190.00	0 8.39 34	.36 43.60	88.13	87.28			Average	



Report No.: HR20188000603 Page: 346 of 391

Test mode:	802.11ac(HT40)	Frequency(MHz):	5230 Peak	Vertical
120 L	evel (dBuV/m)			
110				
	-			
90				
70		Mindra Aller		
		""When we have a second	- 2	
50			Wall an and index so and index	
30				
40				
10 0				
52	200 5220	5250 Frequency (MHz)	5360	
		(WILZ)		
	hamber			
Condition: 3				
	0005			
	230 Band edg			
Note : 5	G WiFi 11AC		Linit Ora	
Fred		t Preamp Read r Factor Level Le	Limit Over vel line limit	Remark

	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 52	230.000	8.45	34.39	38.35	95.94	100.43	68.20	32.23	peak
2 53	350.020	8.63	34.48	38.27	43.75	48.59	74.00	-25.41	peak
3 53	358.051	8.64	34.49	38.26	45.32	50.19	74.00	-23.81	peak



Report No.: HR20188000603 Page: 347 of 391

Test mo	de:	802.11ac(H ⁻)	F40 Frequ	ency(MHz):	523	30	Average	Vertical
								· · · · · · · · · · · · · · · · · · ·
	120	evel (dBuV/m)						
	110							
	90							
	70			••••				
				\mathcal{N}				
	50						2	
	30							
	10							
	0							
	52	200 5220	5250 Fi	equency (MH	7)		5360	
				oquonoj (mn	-,			
Site		hamber						
Job I		m VERTICA 0005	L					
Mode		230 Band	edge					
Note		G WiFi 11	AC 40					
	F	Cable		amp Read		Limit		Demonto
	Free	l LOSS Fa	actor Fact	or Level	Level	Line	Limit	Kemark
	MHz	z dB	dB/m	dB dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45 3	34.39 38.	35 88.57	93.06			Average
2	5350.020		34.48 38.					Average
3	5350.749	8.63 3	34.48 38.	26 36.58	41.43	54.00	-12.57	Average



Report No.: HR20188000603 Page: 348 of 391

Test mode:	802.11ac(HT40)	Frequency	y(MHz):	523	30	Peak	Horizontal
	evel (dRuV/m)						
120	Level (dBuV/m)						
110							
	and some some						
90		1					
		here					
70	M	him was and	l.,				
50			"hallowla			2	
00				and the second se	the second second		
30							
10							
0							
54	200 5220	5250 Frequ	ency (MHz)		5360	
	hamber m HORIZONTAL						
	0005						
Mode : 5	230 Band edg	e					
Note : 5	G WiFi 11AC						
[t Preamp		Loval	Limit Line	Over	Remark
Free	4 LOSS FACTO	r Factor	rever	rever	LINE	LIMIC	кешагк
MH:	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5230.000			92.00		68.20		
2 5350.020			44.02			-25.14	•
3 5350.911	1 8.63 34.4	8 38.26	43.77	48.62	74.00	-25.38	peak



Report No.: HR20188000603 Page: 349 of 391

Test mod	de:	802.11ac)	(HT40	Frequenc	y(MHz):	523	30	Average	Н	orizontal
		ovol (dDv)	(m)							
	120 <mark>1</mark>	Level (dBuV	/ III)							
	110				_					
	90		h							
	70									
	70									
	50				\checkmark					
								2		
	30									
	10									
	0 52	200 5220	52	250		<u> </u>		5360		
					ency (MHz)				
Site	: c	hamber								
Condi	ition: 3		ONTAL							
Job I		0005								
Mode		230 Ban	_	_						
Note	: 5	G WiFi			Deed		14-44	0		
	Free	Cable Loss			Read Level		Limit Line	Over limit	Remark	
	MH	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5230.000	8.45	34.39	38.35	84.67	89.16			Average	
2	5350.020		34.48						Average	
3	5351.073	8.63	34.48	38.26	35.98	40.83	54.00	-13.17	Average	



802 11ac(HT40

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000603 Page: 350 of 391

Test mode:	802.11ac(HT	Frequence	cy(MHz):	527	'0	Peak	Vertical
	Level (dBuV/m)						
120							
110					3		
90					N. H. H. H. L.	<u>m</u>	
70				and the		- \w	
50	1		L. Hard	PARTY .			
50		ng Territor and the state of th	Hatter the				
30							
40							
10 0							
5	100 5120 5	5150	5200			5300	
		Frequ	iency (MHz)			
Site : d	chamber						
Condition: 3	3m VERTICAL						
	30005						
	5270 Band e						
Note : S	5G WiFi 11A					_	
-	Cable	Ant Preamp		1	Limit	0ver	Demanla
Fre	q Loss Fac	tor Factor	Level	revel	Line	Limit	Remark
MH	z dB d	dB/m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5126.15		4.30 43.67			74.00	-24.91	peak
2 5149.98		4.32 43.64		47.15		-26.85	-
3 * 5270.00	0 8.51 34	4.42 43.52	97.95	97.36	68.20	29.16	peak



Report No.: HR20188000603 Page: 351 of 391

Test mod	le:	8	02.11ac	(HT40	Frequenc	y(MHz):	527	70	Average	Ve	rtical
			-1/45-11	()							
	12		el (dBuV	/m)							
	11	0									
	c	0									
								r	ון ר		
	7	70 -									
	,	50					harris		have		
		-	+	1 2		and the second second					
	3	30 -									
		10									
		0									
		5100	5120	5150	Frequ	5200 ency (MHz	•		5300		
					Trequ	circy (miriz	,				
Site			mber								
	tion:			CAL							
Job N		800									
Mode Note				d edge 11AC40							
Note		20	Cable		Preamp	Read		Limit	0ver		
	Fr	req				Level				Remark	
-	M	1Hz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1	5137.0	915	8.31	34.31	43.66	40.58	39.54	54.00	-14.46	Average	
2	5149.9		8.33	34.32		40.33	39.34	54.00	-14.66	Average	
3	5270.0	900	8.51	34.42	43.52	86.92	86.33			Average	



Report No.: HR20188000603 Page: 352 of 391

Test mode:	802.11ac(HT40)	Frequency	v(MHz):	527	70	Peak	Horizontal
	ovol (dBu\//m)						
120	evel (dBuV/m)						
110			_				
90							
70				Manual			
50			the strength of	Addition .			
30							
10							
0							
51	100 5120 5150		5200 ency (MHz)		5300	
Site : c	hamber						
Condition: 3	m HORIZONTAL						
Job No : 8	0005						
Mode : 5	270 Band edge	e					
Note : 5	G WiFi 11AC4						
_		t Preamp			Limit	0ver	
Fred	q Loss Facto	r Factor	Level	Level	Line	Limit	Remark
MHz	z dB dB/ı	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5107.460						-25.75	-
2 5149.986						-28.85	
3 * 5270.000	8.51 34.4	2 43.52	97.44	96.85	68.20	28.65	peak



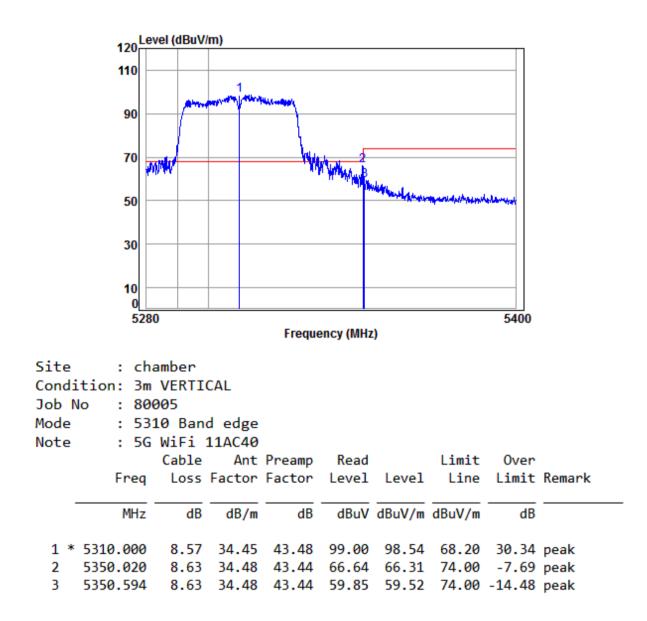
Report No.: HR20188000603 Page: 353 of 391

Test mod	de:	8	302.11ac	:(HT40	Frequenc	y(MHz):	527	70	Average	I	Horizontal
		120 <mark>Le'</mark>	vel (dBuV	/m)							
		110									
		90							-		
		70							+		
							- Aller and				
		50		1 2		and the second second	р				
		30									
		30									
		10									
		0									
		510	0 5120	5150	Frequ	5200 ency (MHz)		5300		
							-				
Site			amber HORIZ	ONTAL							
Job I		: 80		UNIAL							
Mode				d edge							
Note				11AC40							
		_	Cable		Preamp			Limit	0ver	. .	
	I	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5133		8.30							Average	
2	5149		8.33							Average	
3	5270	.000	8.51	34.42	43.52	90.37	89.78			Average	



Report No.: HR20188000603 Page: 354 of 391

Test mode: 802.11ac(HT40)	Frequency(MHz):	5310	Peak	Vertical
---------------------------	-----------------	------	------	----------



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/en/Terms-and-Conditions.sgs and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-and-



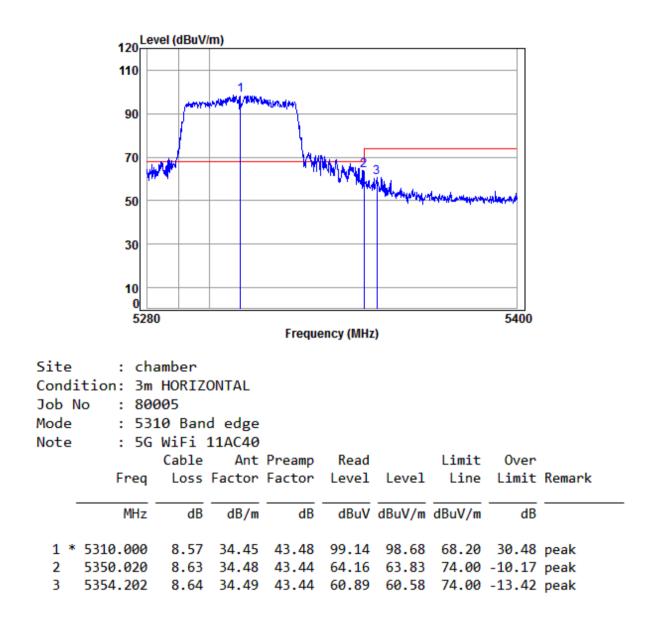
Report No.: HR20188000603 Page: 355 of 391

Test mod	de:	802.11ac(HT4)	⁰ Frequency	y(MHz):	537	10	Average	Vertical
		.evel (dBuV/m)						
	120							
	110							
			1					
	90							
	70							
				*n.				
	50			- Connector	- Ann			
	30							
	10 0							
		80		II			5400	
			Freque	ency (MHz)			
Site	: c	hamber						
		m VERTICAL						
Job N Mode		0005 210 Band av	las					
Note		310 Band eo G WiFi 11A0	-					
			Ant Preamp	Read		Limit	0ver	
	Fred	Loss Fac	tor Factor	Level	Level	Line	Limit	Remark
	MHz	dB d	B/m dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.57 34	.45 43.48	92.16	91.70			Average
2	5350.020			51.72	51.39	54.00	-2.61	Average
3	5351.075	8.63 34	.48 43.44	51.90	51.57	54.00	-2.43	Average



Report No.: HR20188000603 Page: 356 of 391

Test mode: 802.11ac(HT40)	Frequency(MHz):	5310	Peak	Horizontal
---------------------------	-----------------	------	------	------------





2

3

5350.020

5351.075

SGS-CSTC Standards Technical Services Co., Ltd. **Shenzhen Branch**

Report No.: HR20188000603 Page: 357 of 391

Test mode:		802.11ac)	(HT40	Frequency	/(MHz):	53 ⁻	10	Average	Horizontal	
		ovol (dDu)	/m)							
		evel (dBuV	/ III)							
	110									
	90									
	70									
	50	V		· · · · ·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
	30									
	10									
	0 52	80						5400		
				Freque	ency (MHz	L)				
Site		namber								
Condition Job No		n HORIZ 0005	ONTAL							
Mode		310 Ban	d edge							
Note		G WiFi	11AC40							
	-	Cable		Preamp			Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limít	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 531	0.000	8.57	34.45	43.48	91.88	91.42			Average	

8.63 34.48 43.44 52.07 51.74 54.00 -2.26 Average

8.63 34.48 43.44 52.23 51.90 54.00 -2.10 Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-an



Report No.: HR20188000603 Page: 358 of 391

Test mode:	802.11ac(HT40)	Frequency(I	MHz):	5510	Peak	Vertical
	aval (dDu)//m)					
120	evel (dBuV/m)					
110						
				3	.	
90			<u> </u>	*****		
70					L. Mar	
		1	A HERE AND A HERE AND			
50	and and a second state of the	1				
30						
10						
0_						
54	400 5420	5450 Frequen	cy (MHz)	5500	5540	
		•				
	hamber					
Condition: 3 Job No : 8	m VERTICAL 0005					
	0005 510 Band edg	10				
	G WiFi 11AC					
		nt Preamp	Read	Limit	0ver	
Free	loss Facto	or Factor	Level Le	vel Line	Limit	Remark
			10.11			
MHz	z dB dB,	/m dB	dBnA qBn	V/m dBuV/m	dB	
1 5453.616	5 8.78 34.5	6 43.34	58.82 58	.82 74.00	-15.18	peak
2 5466.333					-5.90	-
3 * 5510.000	8.89 34.0	51 43.28	96.83 97		28.85	-



Report No.: HR20188000603 Page: 359 of 391

Test mod	de:	802.11ac)	HT40	Frequency	y(MHz):	551	10	Average	Vertical
	120	Level (dBuV	//m)						
	110								
	90						2		
	70								
	50								
	30								
	10								
	0 54	400 542	20	5450		5500		5540	
					ency (MHz				
Site		hamber							
	ition: 3		CAL						
Job N		0005	CAL						
Mode		510 Ban	d edge						
Note		G WiFi	-						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Fre	q Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MH:	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.62	2 8.79	34.57	43.33	49.77	49.80	54.00	-4.20	Average
2	5510.00			43.28					Average



802 11ac(HT40

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000603 Page: 360 of 391

Test mode:	802.11ac(H140	Frequency(MH	z): 5	510	Peak	Horizontal
120	Level (dBuV/m)					
110						
				3		
90			potteren	and the second second		
50						
70						
10			HAN WAY		111	
50	and the second	w will any a weather the				
50	A MANAGARA SA					
30						
10 0						
-	400 5420	5450	550)0	5540	
		Frequency	(MHz)			
Site : c	hamber					
Condition: 3						
	0005	-				
	510 Band edg	le				
	G WiFi 11AC					
			ead	Limit	0ver	
Free	q Loss Facto	or Factor Le	vel Leve	l Line	Limit	Remark
MHz	z dB dB,	/m	BuV dBuV/	m dBuV/m	dB	
1 5457.526	5 8.79 34.5	57 43.33 59	.31 59.3	4 74.00	-14.66	peak
2 5468.992			.34 63.4			•
3 * 5510.000			.67 97.8			•



SGS-CSTC Standards Technical Services Co., Ltd. **Shenzhen Branch**

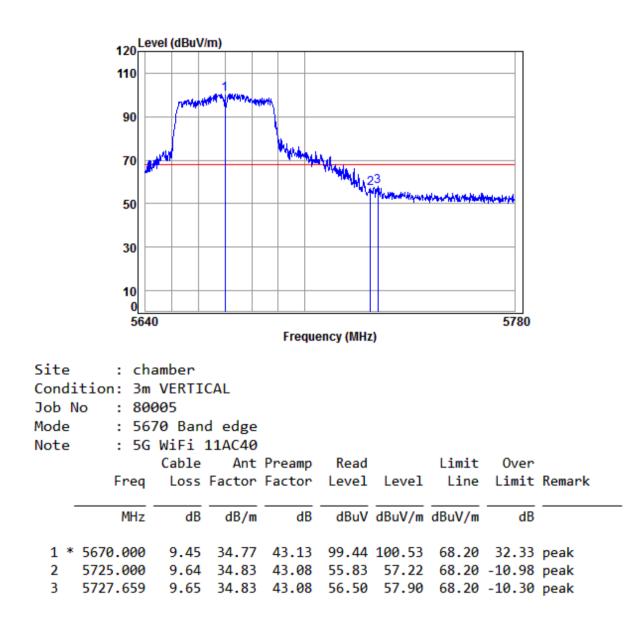
Report No.: HR20188000603 Page: 361 of 391

Test mod	de:	802.11ac)	c(HT40	Frequency	y(MHz):	55	10	Average	Horizontal
			(/)						
	120	Level (dBuV	//m)						
	110								
	90						2		
	70								
	50								
	30								
	10 0								
	5	400 542	20	5450		5500		5540	
				Freque	ency (MHz	.)			
Site	: 0	hamber							
Condi	ition: 3	m HORIZ	ONTAL						
Job N	lo : 8	80005							
Mode		510 Ban	-						
Note	: 5	G WiFi			_				
	-	Cable		Preamp			Limit		
	Fre	q Loss	Factor	Factor	Level	Level	Line	Limit	Kemark
	MH	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.90	1 8.79	34.57	43.33	50.41	50.44	54.00	-3.56	Average
2	5510.00			43.28					Average



Report No.: HR20188000603 Page: 362 of 391

Test mode:	802.11ac(HT40)	Frequency(MHz):	5670	Peak	Vertical





Report No.: HR20188000603 Page: 363 of 391

Test mode:	802.11ac(HT40)	Frequency(MHz):	5670	Peak	Horizontal
	evel (dBuV/m)				
110	1				
90	and the second s	4+4A			
90					
70		WM MANNALA LANA			
	W	The August	3		
50			۲۴۳۹۶۵٬۰۰۰ المعرف بالمعالين الرياض عليه مراد الم	-autolythics	
30					
10					
0					
56	540	Frequency (MHz)	5780	
Site : c	hamber				
Condition: 3					
	0005				
	670 Band edg				
Note : 5	G WiFi 11AC4			0	
Fred		t Preamp Read r Factor Level	Limit Level Line		۰k
MHz	z dB dB/i	m dB dBuV	dBuV/m dBuV/m	dB	
1 * 5670.000	9.45 34.7	7 43.13 98.63	99.72 68.20	31.52 peak	
2 5725.000			56.92 68.20		
3 5728.923	3 9.66 34.8	3 43.08 54.95	56.36 68.20	-11.84 peak	



Report No.: HR20188000603 Page: 364 of 391

Test mode:	802.11ac)	:(HT40 F	Frequency	(MHz):	57	55	Peak	Vertical
	Lovel (dPu)	(m)						
1	20 Level (dBuV			1				
1	10							
					3	The set with		
	90				["			
						4.1		
	70			2, m 1, 1, 1, 1		m y	the state	
			anter and a fait of the second	and the second sec				
	50	uner all the						
	30							
	10							
	0 5640						5795	
	5040		Freque	ncy (MHz	.)		5795	
Site :	chamber							
Condition:		CAL						
	80005	CAL						
Mode :	5755 Ban	d edge						
Note :	5G WiFi							
_	Cable		Preamp			Limit		
F	req Loss	Factor	Factor	Level	Level	Line	Limit	Kemark
	MHz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5715.	000 9.61	34.82	43.09	62.57	63.91	109.40	-45.49	peak
2 5725.		34.83					-52.46	
3 5755.	000 9.75	34.86	43.05	98.44	100.00	125.20	-25.20	peak



Report No.: HR20188000603 Page: 365 of 391

Test mode:		802.11ac()	HT40 I	-requency	y(MHz):	57	55	Peak	Horizontal
	14	evel (dBuV/	m)						
	120				- / -				
	110								
						3	-		
	90								
			1		et				
	70				-			MAN WAR	
		من معلمين و يام باران بار	المطار بالعاد بالعاما	and and the second					
	50								
	30								
	30								
	10								
	0								
	564	0		Freque	ency (MHz	0		5795	
				riequi		.1			
Site		amber							
Conditio Job No			ONTAL						
Job No Mode	: 80	55 Band	l edge						
Note		WiFi 1	-	9					
		Cable	Ant	Preamp			Limit		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 571	5.000	9.61	34.82	43.09	60.12	61.46	109.40	-47.94	peak
	5.000	9.64	34.83	43.08		67.76	122.20	-54.44	peak
3 575	5.000	9.75	34.86	43.05	98.09	99.65	125.20	-25.55	peak



Report No.: HR20188000603 Page: 366 of 391

Test mod	de:	802.11ac()	(HT40	-requency	/(MHz):	579	95	Peak	Vertical
	120	_evel (dBuV/	m)						
	110				- Law	~~~~			
			unan Inner	-		\sim			
	90								
				here					
	70	und have a		Where we wanted	1 2				
	50				"Vingu	-	a dout a second	-	
	50								
	30								
	10								
	0	745						5945	
	51	45		Freque	ency (MHz	:)		3343	
Site	: c	hamber							
Condi	ition: 3	m VERTI	CAL						
Job I		0005							
Mode		795 Ban	_						
Note	: 5	G WiFi 1						_	
	[max	Cable		Preamp Factor		Level.		Over Limit	Demonto
	Free	LOSS	Factor	Factor	rever	rever	LINE	LIMIC	кешагк
	MHz	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000		34.90	43.02	98.25	100.01	125.20	-25.19	peak
2	5850.000			42.96				-64.06	
3	5860.000	0 10.10	34.96	42.96	52.36	54.46	109.40	-54.94	peak



Report No.: HR20188000603 Page: 367 of 391

Test mode:	8	02.11ac(HT40	Frequenc	y(MHz):	579	95	Peak	Hor	izontal
	120 Lev 110 -	rel (dBuV/m)							
	70			White Marian	dattain this and the		hy jarvier an		
	10 0								
	5745	5	Frequ	ency (MHz	:)		5945		
Site Conditio Job No Mode Note	: 800 : 579	HORIZONTA 905 95 Band ed WiFi 11AC	ge 40						
	Freq	Cable A Loss Fact						Remark	
	MHz	dB dB	/m dB	dBuV	dBuV/m	dBuV/m	dB		-
		9.88 34.							
		10.07 34. 10.10 34.							



Report No.: HR20188000603 Page: 368 of 391

Test mode:	802.11ac(HT80)	Frequency	/(MHz):	52	10	Peak	Vertical
1	.evel (dBuV/m)						
120- 110							
110							
90		www.usaningtan	WWW.WAA				
70							
50	www.maranawana		W	a spin water to reach	had a later best and a later and	3	
30							
10							
0	00 5150	5200				5360	
51	00 5150		ency (MHz)		0000	
Site : c	hamber						
Condition: 3							
	0005 210 Band edg	P					
	G WiFi 11AC						
Enor	Cable An Loss Facto	t Preamp			Limit		Remark
			Level				
MHz	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5148.154						-13.31	
2 * 5210.000 3 5352.276			94.49 53.86			25.50 -20.46	-
5 5552.270	, 0.05 54.4	9 49.44	55.00	55.54	/4.00	-20.40	hear



Report No.: HR20188000603 Page: 369 of 391

Test mod	e:	802.11ac(HT80)	Frequenc	y(MHz):	52	10	Average	Vertical
		evel (dBuV/m)						
	120 <mark>1</mark>	Level (dBuV/m)						
	110							
	90		2					
			$ h + \bar{\gamma} $					
	70							
	50			L	State of the local sectors in the local sectors ine			
						**************************************	Ť	
	30							
	10 0							
		100 5150	5200				5360	
			Frequ	ency (MHz)			
Site	: c	hamber						
		m VERTICAL						
Job N		0005						
Mode		210 Band edg						
Note	: 5	G WiFi 11AC		D 1		1.4	0	
	Free		nt Preamp			Limit Line		Remark
		1 2055 1420	in ruccor	Level	Level	CINC	CIMIC	recircle R
-	MHz	z dB dB,	/m dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.154							Average
2	5210.000							Average
3	5357.069	9 8.64 34.4	49 43.43	45.60	45.30	54.00	-8.70	Average



802 11ac(HT80

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000603 Page: 370 of 391

Test mode:	802.11ac(H180)	Frequency	521	10	Peak	Horizontal	
	aval (dDu)//)						
120	L <mark>evel (dBuV/m)</mark>						
110							
90 2 90							
			1				
70							
50 HARDING AND HARDING STATES							
50	++++++++++++++++++++++++++++++++++++++			C. Baraller	and the address of the local sector of the loc	*****	
30							
10 0							
	100 5150	5200				5360	
Frequency (MHz)							
Site : c	hamber						
Condition: 3	m HORIZONTAL						
Job No : 8	0005						
Mode : 5	210 Band edg	e					
Note : 5	G WiFi 11AC	80					
	Cable An	t Preamp	Read		Limit	0ver	
Fre	q Loss Facto	r Factor	Level	Level	Line	Limit	Remark
MH	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5146.87	5 8.32 34.3	2 43.65	59.23	58.22	74.00	-15.78	peak
2 * 5210.00	0 8.42 34.3	7 43.58	93.23	92.44	68.20	24.24	peak
3 5351.74	4 8.63 34.4	9 43.44	53.08	52.76	74.00	-21.24	peak



Report No.: HR20188000603 Page: 371 of 391

Test mo	de:	802.11ac(HT)	Freque	ency(MHz):	521	10	Average	Horizontal
	120	Level (dBuV/m)						
	110							
	90			2				
	70							
	50		mand	- he	Harrison Marken		- 3	
	30							
	10 0							
	51	100 515		0 equency (MHz	,		5360	
				equency (MHz	.)			
Site		hamber	T 4 1					
Job I		m HORIZON 0005	TAL					
Mode		210 Band	edge					
Note	: 5	G WiFi 11						
	Free	Cable	Ant Prea actor Fact	mp Read		Limit	Over Limit	Romank
	Free			or Level	rever	LTHE	LIMIC	
	MH:	z dB	dB/m	dB dBuV	dBuV/m	dBuV/m	dB	
1	5146.363	3 8.32 3	4.32 43.	65 51.28	50.27	54.00	-3.73	Average
2	5210.000	8.42 3	4.37 43.					Average
3	5359.203	1 8.64 3	4.49 43.	43 45.53	45.23	54.00	-8.77	Average

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's ole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 372 of 391

Test mode:	802.11ac(HT80)	Frequency	y(MHz):	529	90	Peak	Vertical
120	evel (dBuV/m)						
110							
				2			
90			A MARCHINE	WHICH APPER			
70					╞╾		
	1	NY MARKAN AND AND AND AND AND AND AND AND AND A	end .		Manaha		
50	And and an an an an and an Arad Kath	NV APP 191		_	WWWWWW	* whole	
30				-			
10				-			
0[51	100 515 0	5200				5400	
			ency (MHz)			
Site : c	hamber						
Condition: 3							
	0005						
Mode : 5	290 Band edg	e					
Note : 5	G WiFi 11AC8						
-		t Preamp	Read		Limit		
Fred	q Loss Facto	r Factor	Level	Level	Line	Limit	Remark
MHz	z dB dB/	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5146.267	7 8.32 34.3	2 43.65	53.97	52.96	74.00	-21.04	peak
2 * 5290.000			94.47	93.95			•
3 5350.229	8.63 34.4	8 43.44	57.56	57.23	74.00	-16.77	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



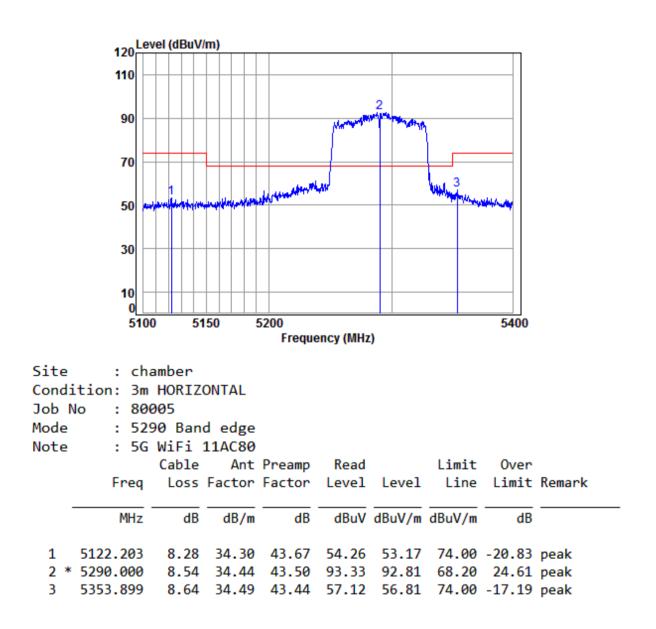
Report No.: HR20188000603 Page: 373 of 391

Test mod	le:	802.11ac)	(HT80	Frequency	y(MHz):	52	90	Average		Vertical
			/ X							
	120	_evel (dBuV	/m)							
	110									
	90				~	2				
	70									
	50				and		han 3			
	30									
	10 0									
	51	100 51	150	5200 Freque	ency (MHz)		5400		
Site	: c	hamber								
Condi	tion: 3	m VERTI	CAL							
Job N		0005								
Mode		290 Ban								
Note	: 5	G WiFi		D				0		
	Free	Cable		Preamp Factor		Lovel	Limit Line		Remark	
	rret	1 1055	actor	actor.	Level	Level	LTHE	CINIT	Nemar K	
	MHz	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5149.209				46.56	45.56			Average	
2	5290.000								Average	
3	5355.124	4 8.64	34.49	43.44	51.02	50.71	54.00	-3.29	Average	2



Report No.: HR20188000603 Page: 374 of 391

Test mode:	802.11ac(HT80)	Frequency(MHz):	5290	Peak	Horizontal
------------	--------------------	-----------------	------	------	------------





Report No.: HR20188000603 Page: 375 of 391

Test mo	de:	802.11ac)	(HT80	Frequency	y(MHz):	529	90	Average	ł	Horizontal
	120	evel (dBuV	/m)							
	110									
	90			_		2				
							}			
	70									
	50					_				
	30									
	10 0			_						
	-	100 51	150	5200			I	5400		
				Freque	ency (MHz)				
Site	: c	hamber								
Cond	ition: 3	m HORIZ	ONTAL							
Job I		0005								
Mode		290 Ban	-							
Note	: 5	G WiFi Cable		Preamp	Read		Limit	0ver		
	Free			Factor					Remark	
		·								
	MHz	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5138.625	5 8.31	34.31	43.65	46.92	45.89	54.00	-8.11	Average	
2	5290.000			43.50					Average	
3	5350.535	5 8.63	34.48	43.44	50.53	50.20	54.00	-3.80	Average	



Report No.: HR20188000603 Page: 376 of 391

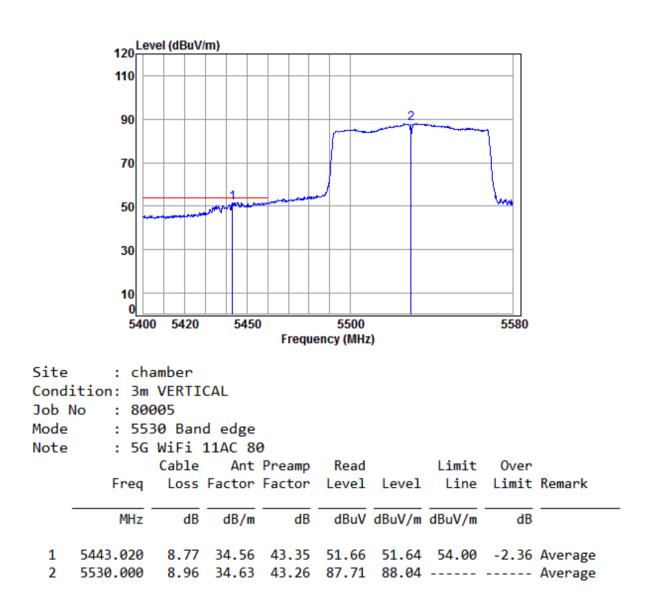
Test mode:	802.11ac(HT80)	Frequency(I	MHz):	553	30	Peak	Vertical
	_evel (dBuV/m)						
120							
110							
				3 	helen and a second s		
90			- And and and	Malana and And	****		
70		way the second					
50	- manual and	man and a second				M	
00							
30							
50							
10							
0							
54	100 5420 54	50 Frequen	5500 icy (MHz))		5580	
		•		-			
Site : c Condition: 3	hamber m VERTICAL						
	0005						
	530 Band edge	e					
	G WiFi 11AC	80					
-		t Preamp			Limit	0ver	
Fred	q Loss Factor	r Factor	Level	Level	Line	Limit	Remark
MHz	z dB dB/r	m dB	dBuV	dBuV/m	dBuV/m	dB	
1 5458.749	8.79 34.5	7 43.33	58.85	58.88	74.00	-15.12	peak
2 5469.319	8.81 34.5	8 43.32	60.10	60.17	68.20	-8.03	peak
3 * 5530.000	8.96 34.6	3 43.26	94.32	94.65	68.20	26.45	peak

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's ole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 377 of 391

Test mode: 802.11ac(HT80	Frequency(MHz):	5530	Average	Vertical
--------------------------	-----------------	------	---------	----------





Report No.: HR20188000603 Page: 378 of 391

Test mode:	802.11ac(HT80)	Frequency(N	/Hz):	5530	Peak	Horizontal
	.evel (dBuV/m)					
120						
110						
				3		
90			mount	and the second se		
70						
10		2				
50	manager with the states	en al man and a star manufact				
30						
10						
0_ 54	400 5420 54	50	5500		5580	
		Frequence				
Site : c	hamber					
Condition: 3						
	0005					
	530 Band edg					
Note : 5	G WiFi 11AC Cable An		Read	Limit	0ver	
Fred						Remark
MHz	z dB dB/	m dB	dBuV dBu	V/m dBuV/m	dB	
1 5445.162	2 8.77 34.5	6 43.35 5	58.71 58	.69 74.00	-15.31	peak
2 5467.706	5 8.80 34.5	8 43.32 5	59.75 59	.81 68.20	-8.39	peak
3 * 5530.000	8.96 34.6	3 43.26 9	93.25 93	.58 68.20	25.38	peak



SGS-CSTC Standards Technical Services Co., Ltd. **Shenzhen Branch**

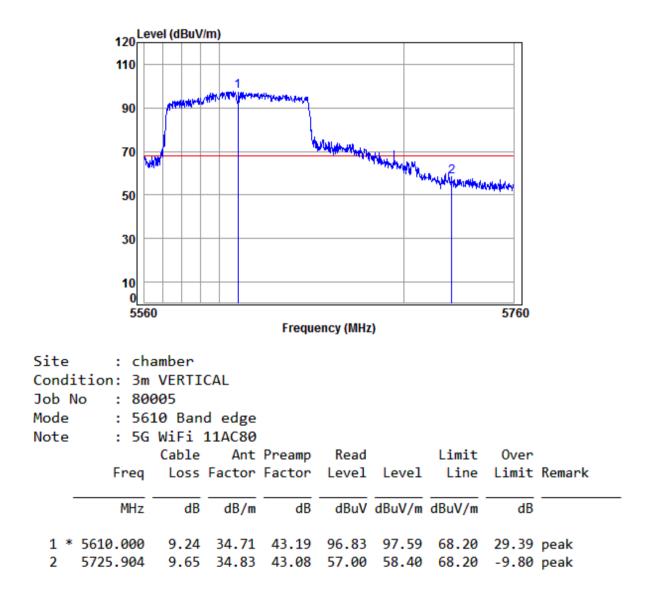
Report No.: HR20188000603 Page: 379 of 391

Test mo	ode:	802.11ac)	(HT80	Frequency	y(MHz):	553	30	Average	Hori	zontal
			i				i			
	120	Level (dBuV	/m)							
	110									
	90					2				
						-		ח וו		
	70							+		
			1							
	50							- 146.4		
	30									
	10									
	5	400 5420	5450		5500			5580		
				Freque	ency (MHz	.)				
Site		hamber								
	ition: 3		ONTAL							
Job Mode		0005 530 Ban	d odgo							
Note		G WiFi	-	a						
	• •	Cable		Preamp	Read		Limit	0ver		
	Fre	q Loss							Remark	
	МН	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		-
1	5443.73	4 8.77	34.56	43.35	51.80	51.78	54.00	-2.22	Average	
2	5530.00	0 8.96	34.63	43.26	87.08	87.41			Average	



Report No.: HR20188000603 Page: 380 of 391

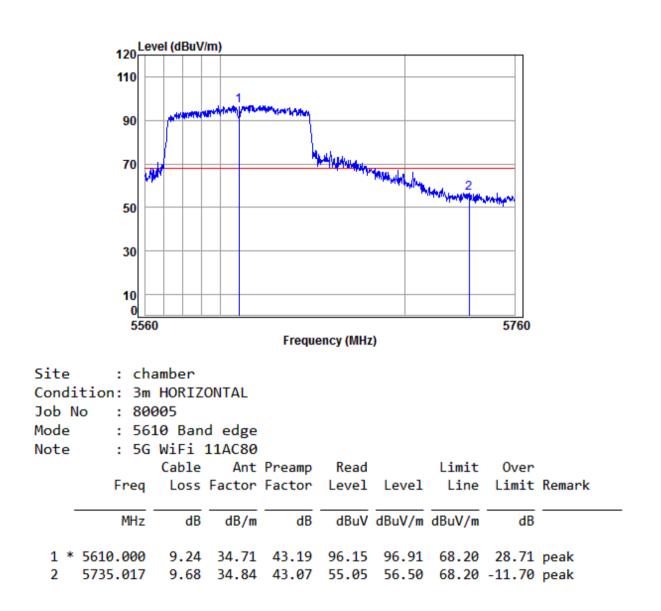
Test mode:	802.11ac(HT80)	Frequency(MHz):	5610	Peak	Vertical
------------	--------------------	-----------------	------	------	----------





Report No.: HR20188000603 Page: 381 of 391

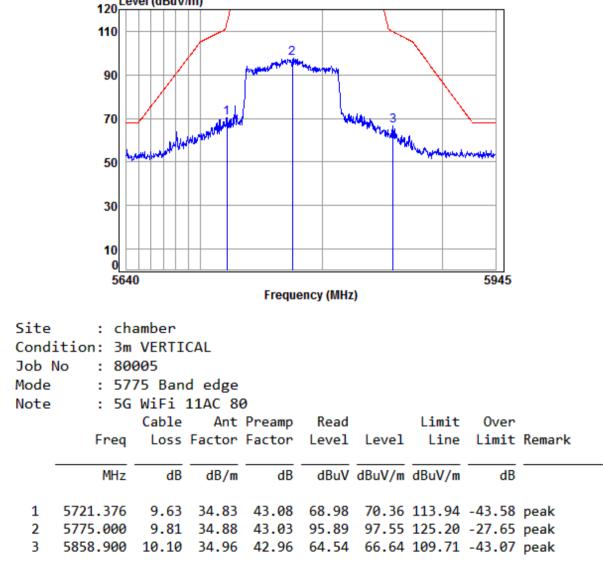
Test mode:	802.11ac(HT80)	Frequency(MHz):	5610	Peak	Horizontal
------------	--------------------	-----------------	------	------	------------





Report No.: HR20188000603 Page: 382 of 391

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Peak	Vertical
	evel (dRuV/m)				



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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



90

70

50

30

10 0 5640 -

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

the with the state of the state

Report No.: HR20188000603 Page: 383 of 391

5945

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Peak	Horizontal
	120 Level (dBuV/m)				
	110	2			

Site : chamber Condition: 3m HORIZONTAL Job No : 80005									
	: 57		anha h						
Note	: 5G								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5724.088	9.64	34.83	43.08	66.33	67.72	120.12	-52.40	peak
2	5775.000	9.81	34.88	43.03	95.46	97.12	125.20	-28.08	peak
3	5850.883	10.07	34.96	42.96	63.72	65.79	120.19	-54.40	peak

Frequency (MHz)



Report No.: HR20188000603 Page: 384 of 391

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor All modes have been tested, but only the worst case data displayed in this report.

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HR20188000603 Page: 385 of 391

4.9 Frequencies Stability

4.9.1 Frequency Error vs. Voltage:

Test Canditions	Measured Frequency (MHz)			
Test Conditions	5180	5825		
V nom(V)	5180.006369	5825.003835		
V max(V)	5180.008305	5825.011822		
V min(V)	5180.014837	5825.021515		
Max. Deviation Frequency	0.014837	0.021515		
Max. Frequency Error (ppm)	2.864364	3.693502		

4.9.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency (MHz)			
Test Conditions(°C)	5180	5825		
-5	5180.001232	5825.003630		
5	5180.003421	5825.008188		
15	5180.007077	5825.008784		
25	5180.012421	5825.009391		
35	5180.015060	5825.014858		
45	5180.018072	5825.023771		
50	5180.026833	5825.033592		
Max. Deviation Frequency	0.026833	0.033592		
Max. Frequency Error (ppm)	5.180064	5.766816		

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits to Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



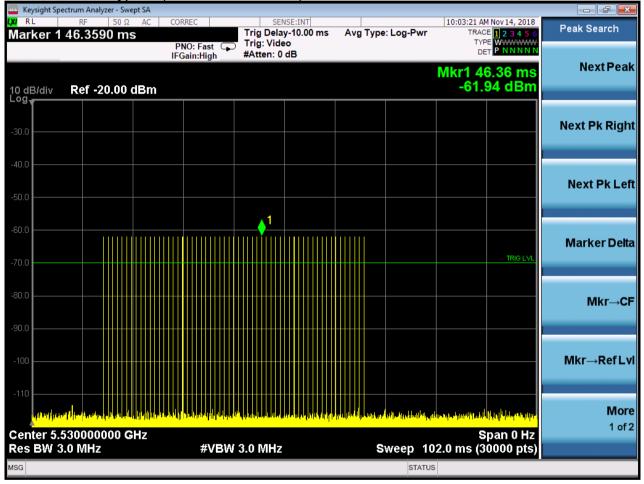
Report No.: HR20188000603 Page: 386 of 391

4.10 (DFS: Channel Move Time; DFS: Channel Closing Transmission Time)

4.10.1 Test plots

4.10.1.1 Radar Waveform Calibration Result

Radar Type 0 (40MHz / 5530MHz)



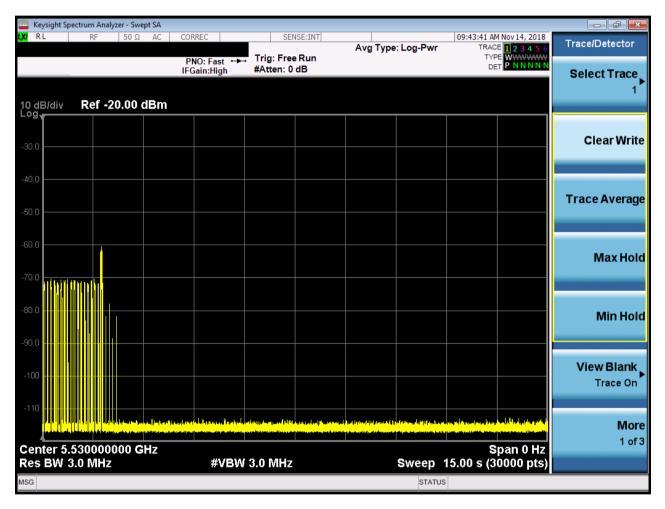


Report No.: HR20188000603 Page: 387 of 391

4.10.2 T	est Data:			
BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5530MHz	Channel Move Time	0.42s	<10s	Pass
	Channel Closing Transmission Time	1.5ms	<60ms	Pass

4.10.2.1 Test plots

4.10.2.1.1 Test Bandwidth/Channel= 80MHz / 5530MHz





Report No.: HR20188000603 Page: 388 of 391





Report No.: HR20188000603 Page: 389 of 391

4.11 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB
2	RF power density, conducted	±2.84dB
3	Spurious emissions, conducted	±0.75dB
4	Radiated Spurious emission test	±4.5dB (30MHz-1GHz) ±4.8dB (1GHz-25GHz)
5	Conduct emission test	±3.12 dB(9KHz- 30MHz)
6	Temperature test	±1°C
7	Humidity test	±3%
8	DC and low frequency voltages	±0.5%



Report No.: HR20188000603 Page: 390 of 391

4.12 Equipment List

Conducted Emission							
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)		
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9		
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018/9/2	2019/9/2		
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2018/4/2	2019/4/1		
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM024-01	2018/7/12	2019/7/11		
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2018/2/14	2019/2/13		
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2018/2/14	2019/2/13		
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2018/2/14	2019/2/13		
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2018/4/2	2019/4/1		
	RF con	ducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)		
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2018/9/2	2019/9/2		
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2018/3/13	2019/3/12		
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11		
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A		
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2		
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2017/12/4	2018/12/4		
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2018/9/2	2019/9/2		

RE in Chamber							
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)		
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017/8/5	2020/8/4		
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM025-01	2018/7/12	2019/7/11		
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018/9/2	2019/9/2		
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017/6/27	2020/6/26		
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2018/4/2	2019/4/1		

RE in Chamber								
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)			
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30			
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2018/4/2	2019/4/1			
Trilog-Broadband Antenna (25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2016/6/29	2019/6/28			
Pre-amplifier (9k-1GHz)	Sonoma Instrument Co	310N	SEM005-03	2018/4/13	2019/4/12			
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21			
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A			
Coaxial Cable	SGS	N/A	SEM029-01	2018/7/12	2019/7/11			
	RE in	Chamber	-	-				
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)			
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12			
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2018/4/2	2019/4/1			
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26			
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/413	2021/412			
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16			
Amplifier(0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2			
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2			

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-an

PAP-0126

PAP-2640-50

EMC2063

SEM005-08

2017/11/20

2018/4/2

2018/11/19

2019/4/1

Compliance Directions

Systems Inc. Compliance Directions

Systems Inc.

Pre-Amplifier(0.1-26.5GHz)

Pre-amplifier(26-40GHz)



Report No.: HR20188000603 Page: 391 of 391

5 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for HR201880006.

The End

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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document to unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.