

Page: 143 of 287

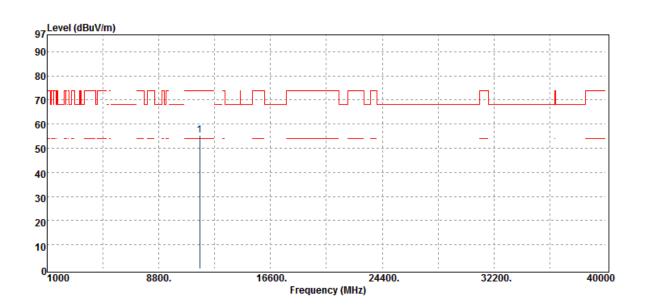
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB4 :5825 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. :2018-10-02 :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
 MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11650.00	Peak	33.73	21.60	55.33	74.00	-18.67

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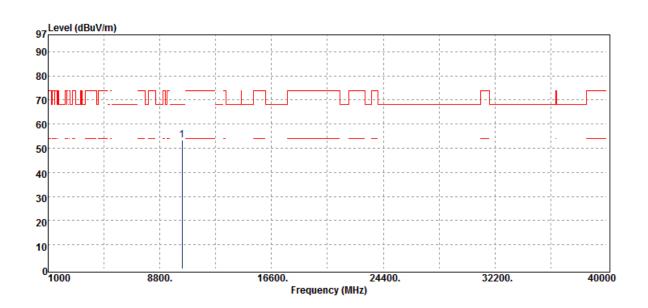
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5150~5250 MHz

Operation Band :802.11n20B1 **Test Date** :2018-10-02

Fundamental Frequency :5180 MHz Temp./Humi. :23 deg_C / 62 RH :Tx CH LOW :Wei **Operation Mode** Engineer

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
•	10360.00	Peak	33.63	19.71	53.34	68.20	-14.86	_

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

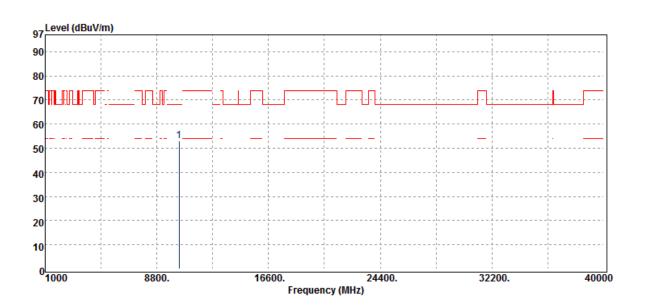
:802.11n20B1 :5180 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-02 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq	. Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@3m		
MHz	z PK/QP/AV	dBµV	dB	dBμV/m	dBµV/m	dB	
10360	.00 Peak	33.28	19.71	52.99	68.20	-15.21	

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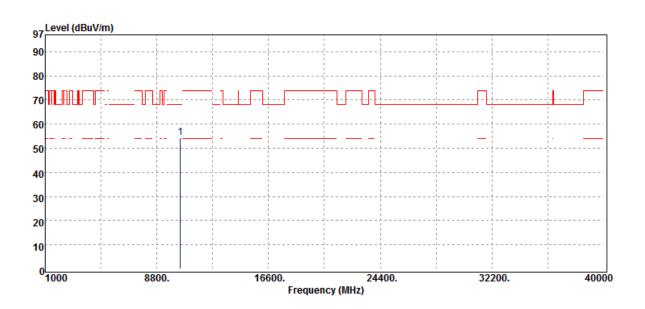
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B1 :5220 MHz :Tx CH MID :E2 Plane

Test Date :2018-10-02 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@ 3m	-	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB	
10440.00	Peak	34.23	20.05	54.28	68.20	-13.92	_

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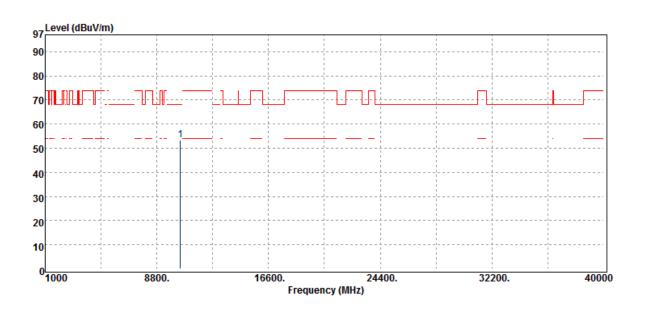
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B1 :5220 MHz :Tx CH MID :E2 Plane

Test Date Temp./Humi. :2018-10-02 :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@3m		
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB	
10440.00	Peak	33.35	20.05	53.40	68.20	-14.80	_

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode

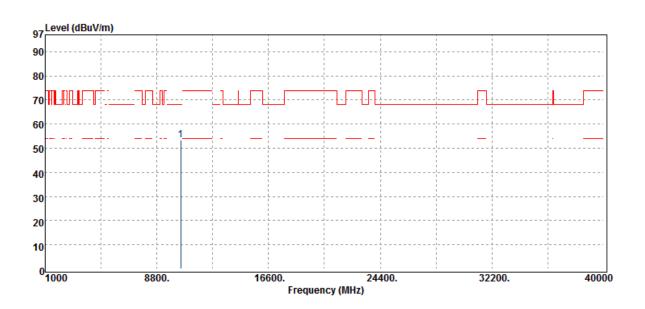
EUT Pol.

:802.11n20B1 :5240 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-02 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@ 3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	10480.00	Peak	33.43	20.07	53.50	68.20	-14.70	

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

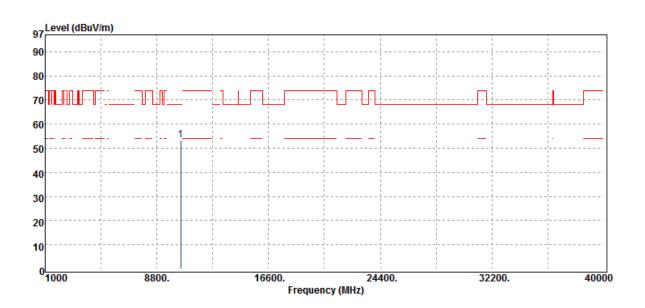
:802.11n20B1 :5240 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-02 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
10480.00	Peak	33.40	20.07	53.47	68.20	-14.73

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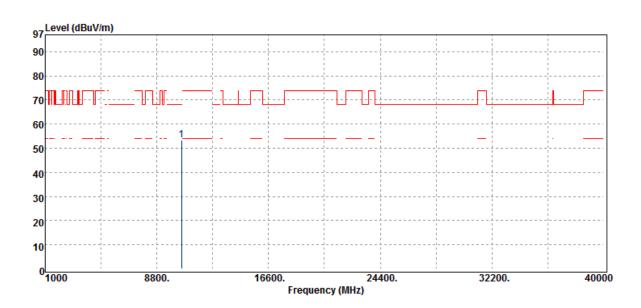
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5250~5350 MHz

Operation Band :802.11n20B2 **Test Date** :2018-10-02

Fundamental Frequency :5260 MHz Temp./Humi. :23 deg_C / 62 RH :Wei **Operation Mode** :Tx CH LOW Engineer

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10520.00	Peak	33 33	20.00	53 33	68 20	-14 87

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

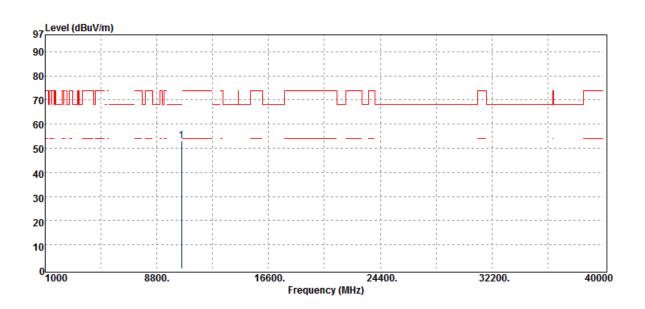
:802.11n20B2 :5260 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-02 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@ 3m	_	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB	
	10520.00	Peak	33.14	20.00	53.14	68.20	-15.06	-

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

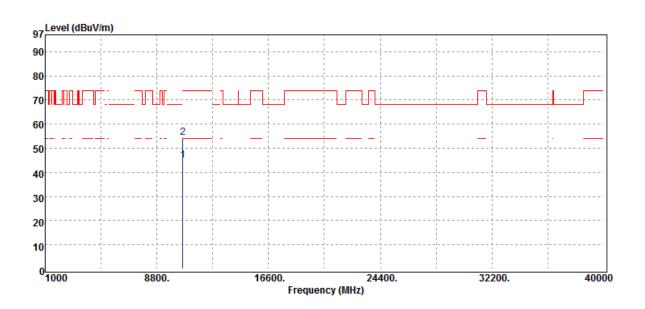
:802.11n20B2 :5300 MHz :Tx CH MID :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
10600.00	Average	24.47	20.38	44.85	54.00	-9.15
10600.00	Peak	34.04	20.38	54.42	74.00	-19.58

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

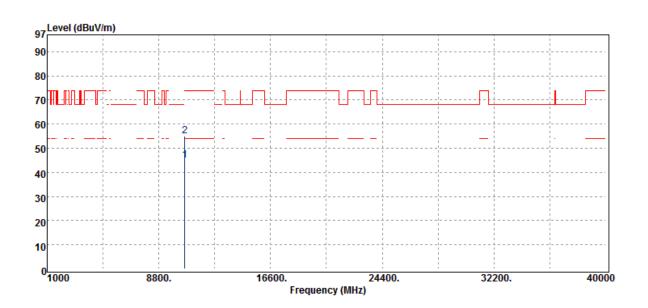
:802.11n20B2 :5300 MHz :Tx CH MID :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10600.00	Average	24.45	20.38	44.83	54.00	-9.17
10600.00	Peak	34.51	20.38	54.89	74.00	-19.11

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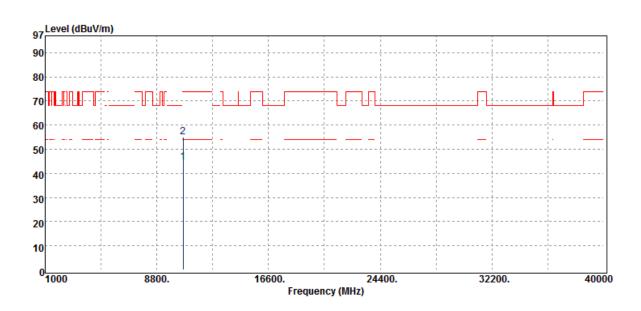
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B2 :5320 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10640.00	Average	24.32	20.44	44.76	54.00	-9.24
10640.00	Peak	34.74	20.44	55.18	74.00	-18.82

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

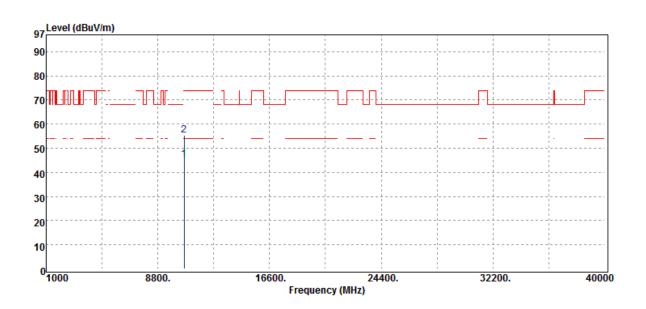
:802.11n20B2 :5320 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
10640.00	Average	24.87	20.44	45.31	54.00	-8.69
10640.00	Peak	34.91	20.44	55.35	74.00	-18.65

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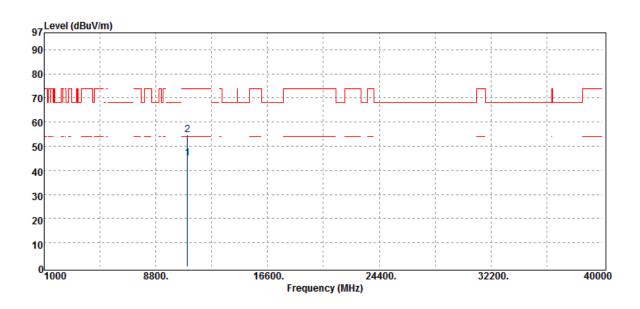
Radiated Spurious Emission Measurement Result 802.11n HT20, 5470~5725 MHz

Operation Band :802.11n20B3 **Test Date** :2018-10-03

Fundamental Frequency :5500 MHz Temp./Humi. :23 deg_C / 62 RH

Operation Mode :Tx CH LOW :Wei Engineer

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11000.00	Average	23.47	21.37	44.84	54.00	-9.16
11000.00	Peak	33.33	21.37	54.70	74.00	-19.30

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

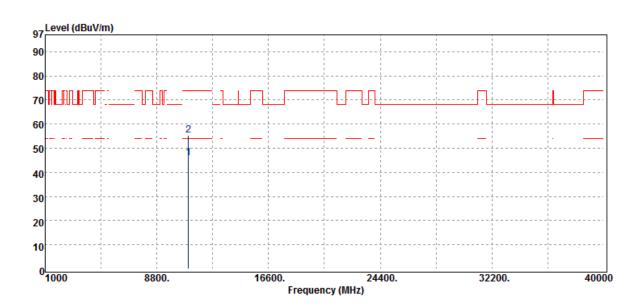
:802.11n20B3 :5500 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11000.00	Average	24.72	21.37	46.09	54.00	-7.91
11000.00	Peak	34.17	21.37	55.54	74.00	-18.46

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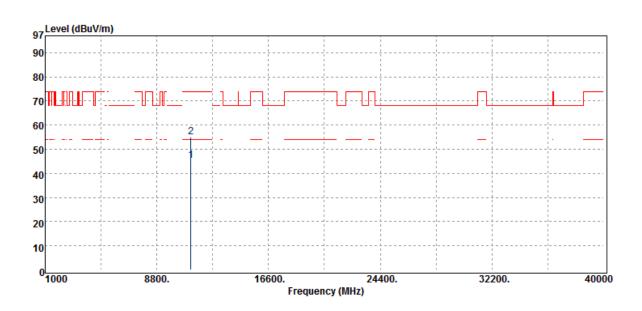
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5580 MHz :Tx CH MID :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11160.00	Average	23.81	21.51	45.32	54.00	-8.68
11160.00	Peak	33.64	21.51	55.15	74.00	-18.85

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

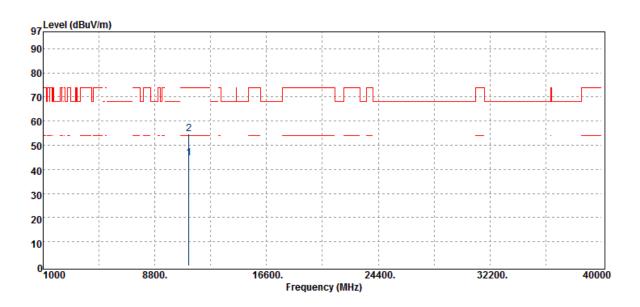
:802.11n20B3 :5580 MHz :Tx CH MID :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11160.00	Average	23.20	21.51	44.71	54.00	-9.29
11160.00	Peak	33.12	21.51	54.63	74.00	-19.37

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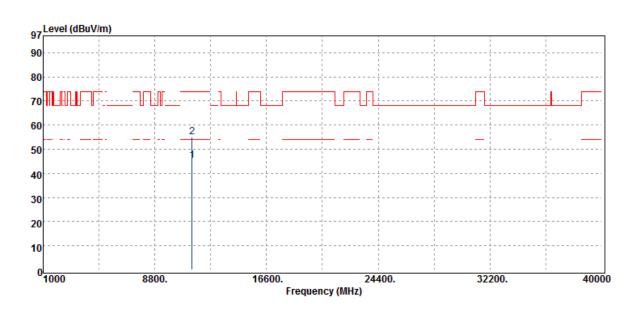
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5700 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11400.00	Average	23.67	21.62	45.29	54.00	-8.71
11400.00	Peak	33.29	21.62	54.91	74.00	-19.09

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

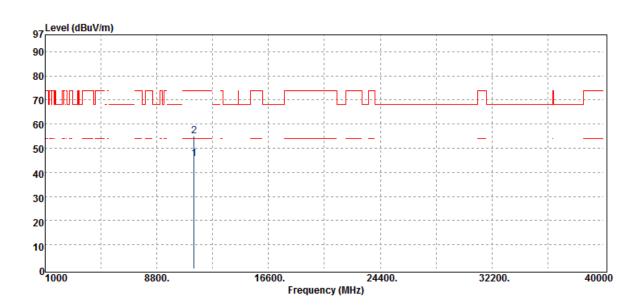
:802.11n20B3 :5700 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11400.00	Average	23.94	21.62	45.56	54.00	-8.44
11400.00	Peak	33.43	21.62	55.05	74.00	-18.95

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Radiated Spurious Emission Measurement Result 802.11n HT20, 5725~5850 MHz

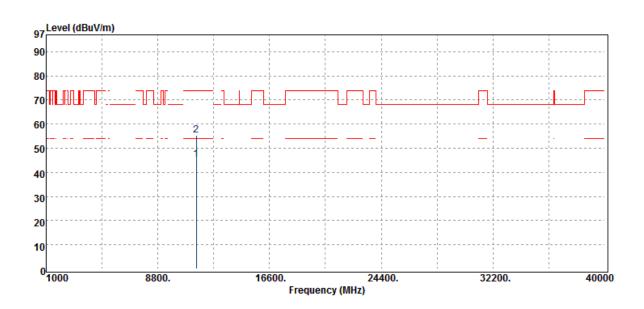
:Tx CH LOW

Operation Band :802.11n20B4 **Test Date** :2018-10-03

Fundamental Frequency :5745 MHz Temp./Humi. :23 deg_C / 62 RH **Operation Mode** :Wei

Engineer

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11490.00	Average	23.62	21.61	45.23	54.00	-8.77
11490.00	Peak	33.94	21.61	55.55	74.00	-18.45

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

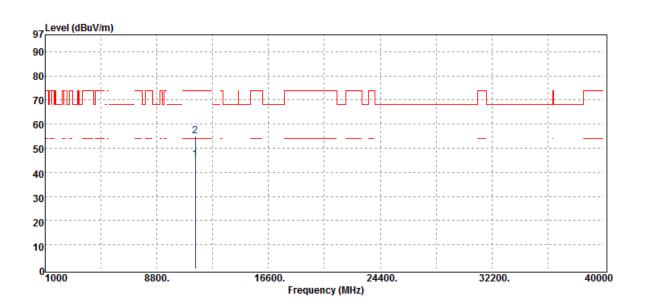
:802.11n20B4 :5745 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11490.00	Average	23.71	21.61	45.32	54.00	-8.68
11490.00	Peak	33.60	21.61	55.21	74.00	-18.79

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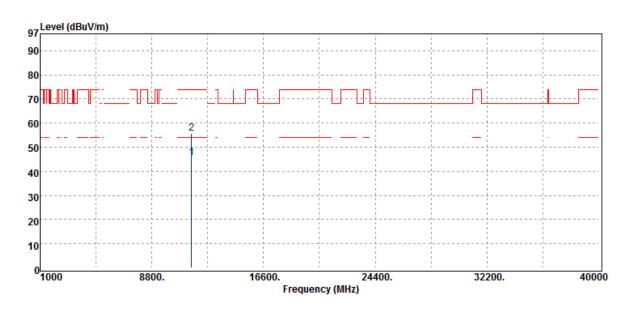
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B4 :5785 MHz :Tx CH MID :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11570.00	Average	23.98	21.66	45.64	54.00	-8.36
11570.00	Peak	33.90	21.66	55.56	74.00	-18.44

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

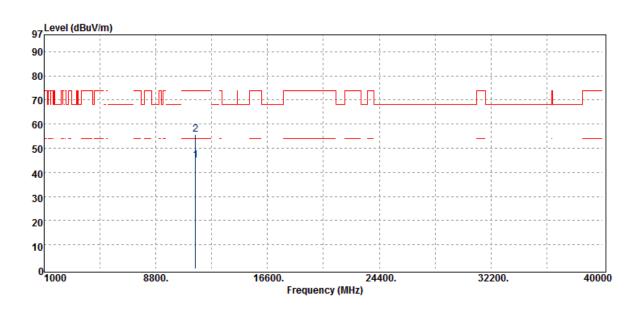
:802.11n20B4 :5785 MHz :Tx CH MID :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11570.00	Average	23.38	21.66	45.04	54.00	-8.96
11570.00	Peak	33.92	21.66	55.58	74.00	-18.42

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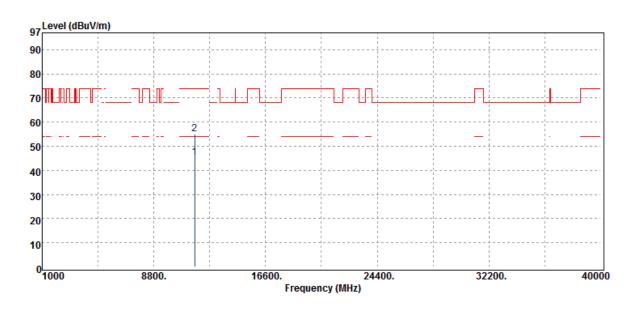
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B4 :5825 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11650.00	Average	23.71	21.60	45.31	54.00	-8.69
11650.00	Peak	33.50	21.60	55.10	74.00	-18.90

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

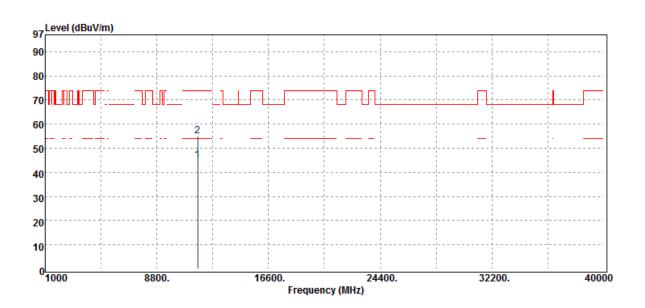
:802.11n20B4 :5825 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11650.00	Average	23.47	21.60	45.07	54.00	-8.93
11650.00	Peak	33.36	21.60	54.96	74.00	-19.04

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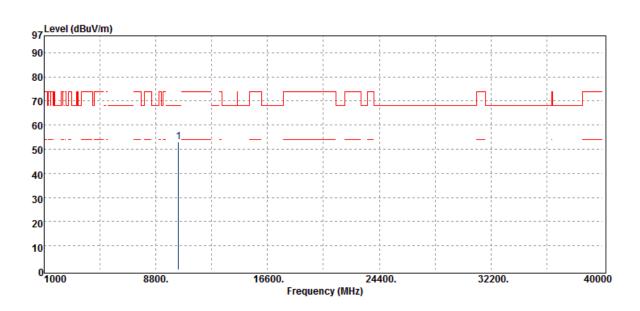
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5150~5250 MHz

Operation Band :802.11n40B1 Test Date :2018-10-03

Fundamental Frequency :5190 MHz Temp./Humi. :23 deg_C / 62 RH Operation Mode :Tx CH LOW Engineer :Wei

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10380 00	Peak	33 29	19 78	53.07	68 20	-15 13

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

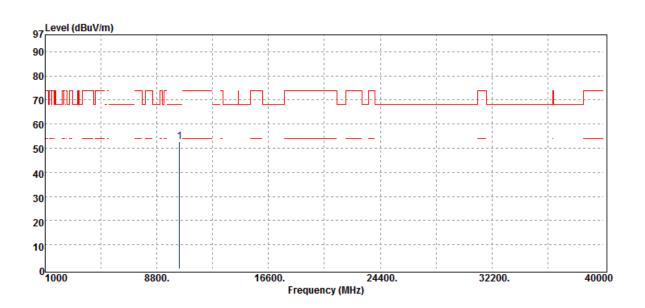
:802.11n40B1 :5190 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	10380.00	Peak	33.05	19.78	52.83	68.20	-15.37	

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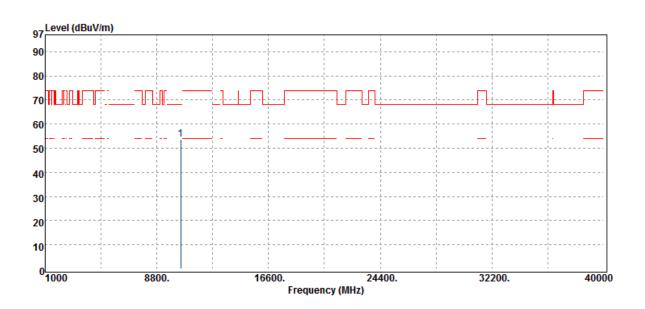
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B1 :5230 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@3m		
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	_
10460.00	Peak	33.61	20.07	53.68	68.20	-14.52	

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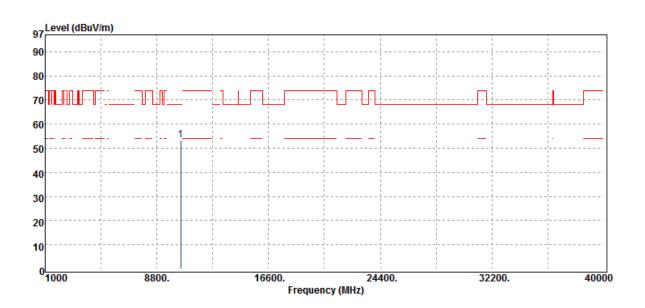
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B1 :5230 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	-
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
10460.00	Peak	33.16	20.07	53.23	68.20	-14.97

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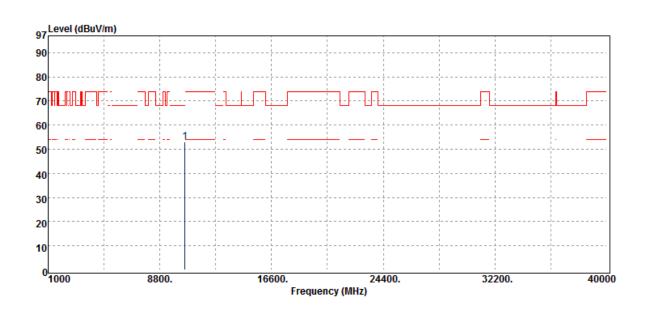
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5250~5350 MHz

Operation Band :802.11n40B2 Test Date :2018-10-03

Fundamental Frequency :5270 MHz Temp./Humi. :23 deg_C / 62 RH Operation Mode :Tx CH LOW Engineer :Wei

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@3m		
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB	
10540.00	Peak	33.12	20.02	53.14	68.20	-15.06	_

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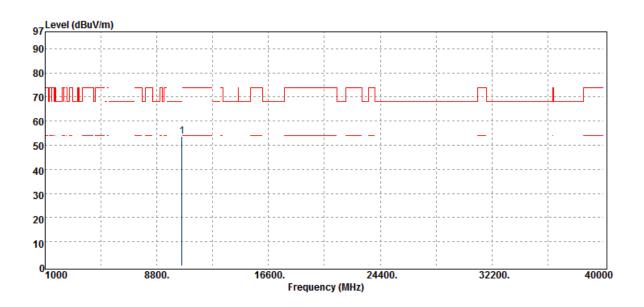
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B2 :5270 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei Measurement Antenna Pol. :HORIZONTAL



Fr	eq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	_
M	Hz	PK/QP/AV	dBµV	dB	dBμV/m	dBµV/m	dB
1054	10.00	Peak	33.57	20.02	53.59	68.20	-14.61

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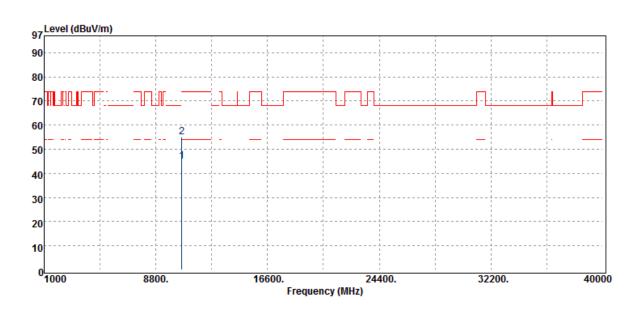
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B2 :5310 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10620.00	Average	24.65	20.41	45.06	54.00	-8.94
10620.00	Peak	34.47	20.41	54.88	74.00	-19.12

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

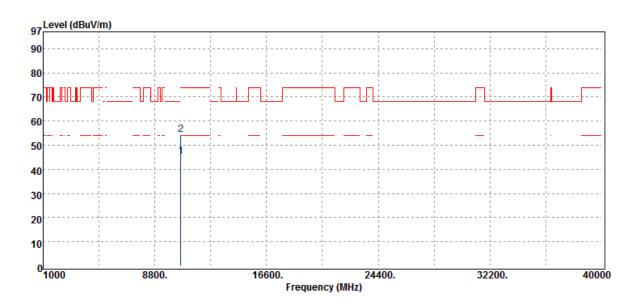
:802.11n40B2 :5310 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10620.00	Average	24.77	20.41	45.18	54.00	-8.82
10620.00	Peak	34.02	20.41	54.43	74.00	-19.57

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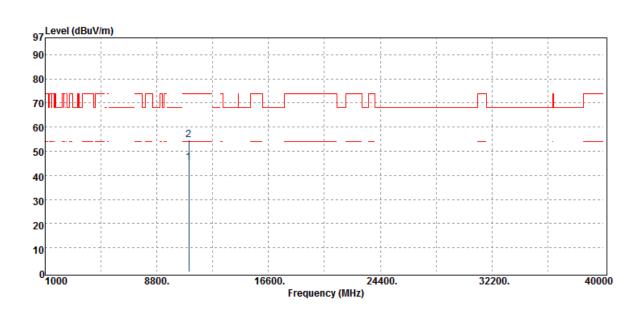
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5470~5725 MHz

Operation Band :802.11n40B3 Test Date :2018-10-03

Fundamental Frequency :5510 MHz Temp./Humi. :23 deg_C / 62 RH
Operation Mode :Tx CH LOW Engineer :Wei

Operation Mode :Tx CH LOW Engineer :Wei
EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11020.00	Average	23.71	21.46	45.17	54.00	-8.83
11020.00	Peak	33.40	21.46	54.86	74.00	-19.14

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

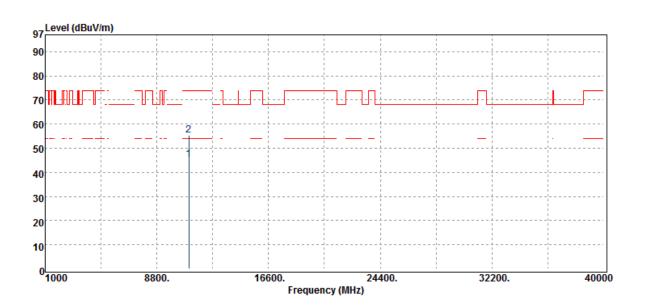
:802.11n40B3 :5510 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11020.00	Average	23.80	21.46	45.26	54.00	-8.74
11020.00	Peak	33.78	21.46	55.24	74.00	-18.76

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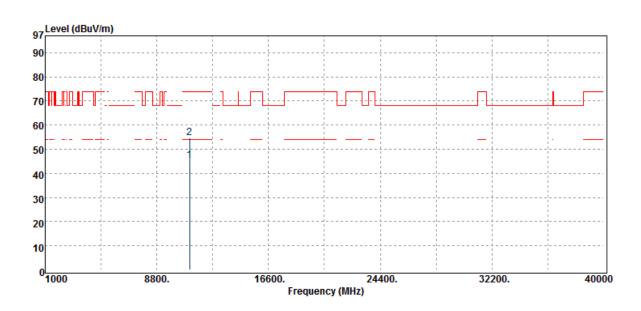
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5550 MHz :Tx CH MID :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11100.00	Average	23.67	21.53	45.20	54.00	-8.80
11100.00	Peak	33.20	21.53	54.73	74.00	-19.27

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

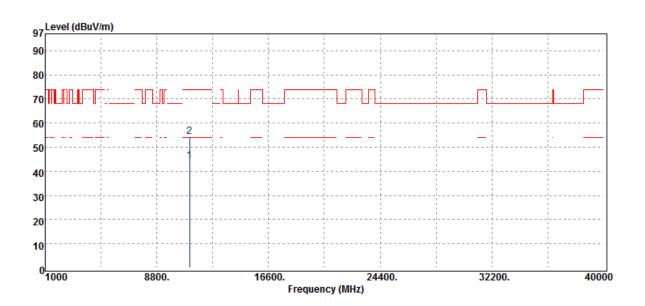
:802.11n40B3 :5550 MHz :Tx CH MID :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11100.00	Average	22.63	21.53	44.16	54.00	-9.84
11100.00	Peak	32.76	21.53	54.29	74.00	-19.71

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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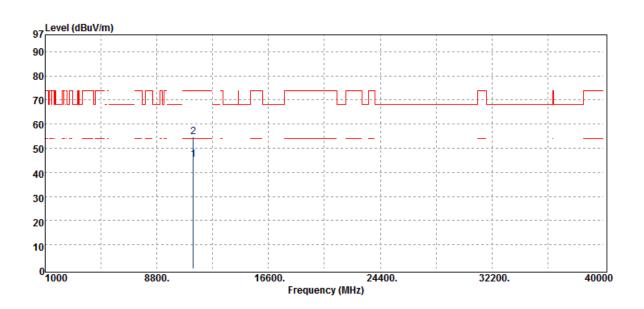
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5670 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11340.00	Average	23.93	21.54	45.47	54.00	-8.53
11340.00	Peak	33.04	21.54	54.58	74.00	-19.42

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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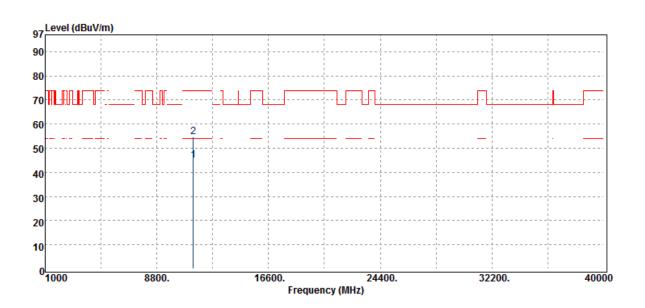
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5670 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11340.00	Average	23.53	21.54	45.07	54.00	-8.93
11340.00	Peak	33.04	21.54	54.58	74.00	-19.42

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Radiated Spurious Emission Measurement Result 802.11n HT40, 5725~5850 MHz

Operation Band Fundamental Frequency

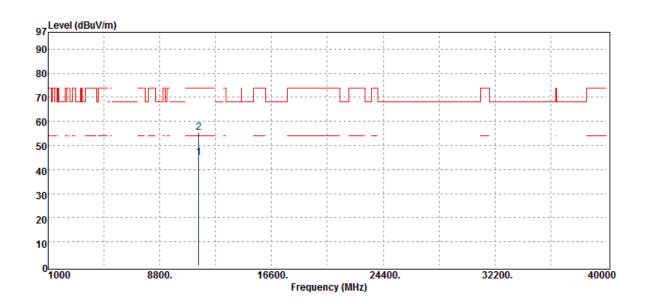
Operation Mode EUT Pol.

:802.11n40B4 :5755 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

Engineer

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11510.00	Average	23.32	21.66	44.98	54.00	-9.02
11510.00	Peak	33.63	21.66	55.29	74.00	-18.71

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

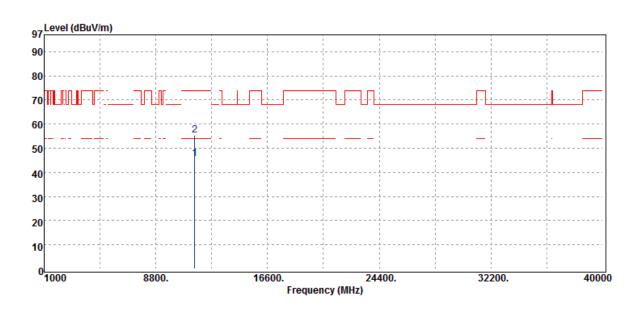
:802.11n40B4 :5755 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11510.00	Average	23.85	21.66	45.51	54.00	-8.49
11510.00	Peak	33.79	21.66	55.45	74.00	-18.55

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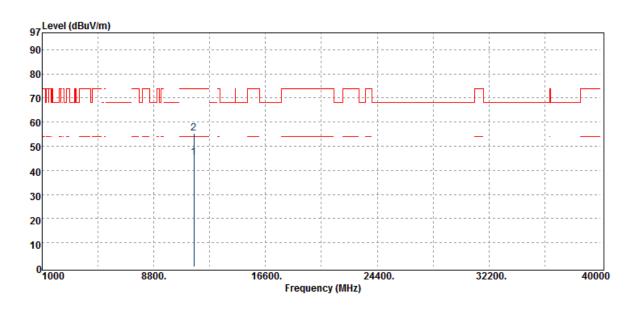
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B4 :5795 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11590.00	Average	23.82	21.66	45.48	54.00	-8.52
11590.00	Peak	33.71	21.66	55.37	74.00	-18.63

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

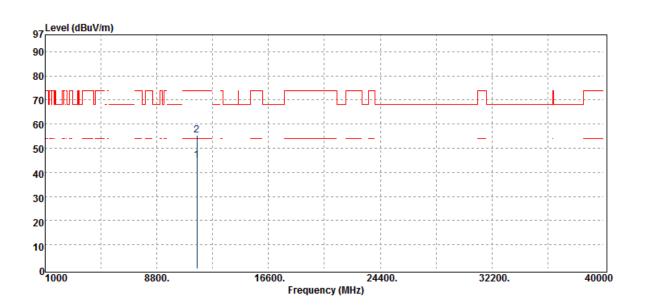
:802.11n40B4 :5795 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11590.00	Average	23.17	21.66	44.83	54.00	-9.17
11590.00	Peak	33.64	21.66	55.30	74.00	-18.70

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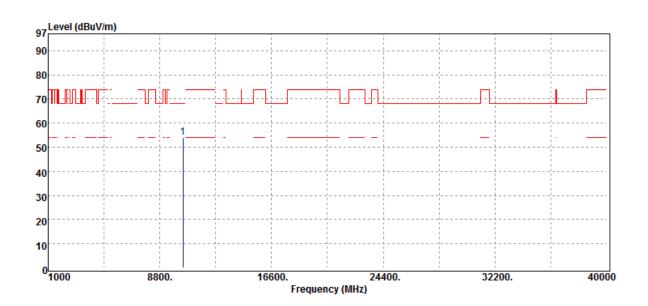
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5150~5250 MHz

Operation Band :802.11ac80B1 **Test Date** :2018-10-03

Fundamental Frequency :5210 MHz Temp./Humi. :23 deg_C / 62 RH **Operation Mode** :Tx CH LOW Engineer :Wei

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@3m		
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB	
10420.00	Peak	34.19	19.99	54.18	68.20	-14.02	_

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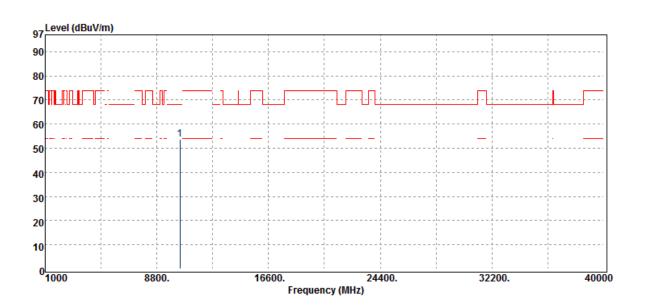
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B1 :5210 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
10420.00	Peak	33.57	19.99	53.56	68.20	-14.64

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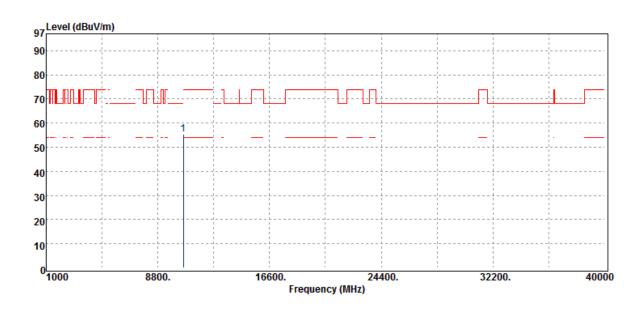
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5250~5350 MHz

Operation Band :802.11ac80B2 Test Date :2018-10-03

Fundamental Frequency :5290 MHz Temp./Humi. :23 deg_C / 62 RH

Operation Mode :Tx CH HIGH Engineer :Wei
EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dΒμV/m	dB	
	10580.00	Peak	35.18	20.23	55.41	68.20	-12.79	

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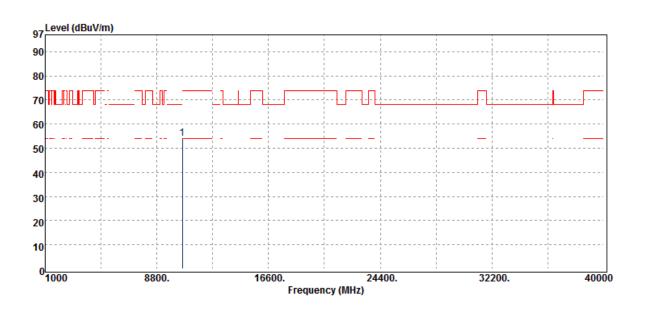
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B2 :5290 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



F	req.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m	-	
N	1Hz	PK/QP/AV	dΒμV	dB	dBµV/m	dΒμV/m	dB	_
105	80.00	Peak	33.97	20.23	54.20	68.20	-14.00	

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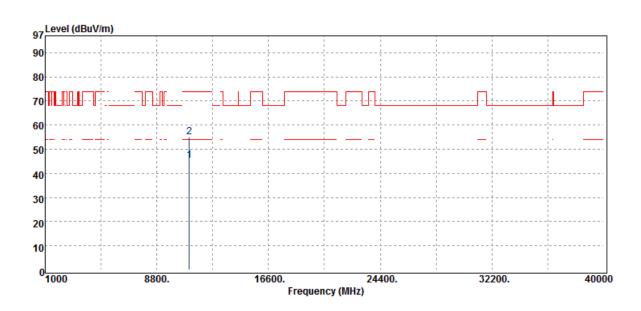
Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5470~5725 MHz

Operation Band :802.11ac80B3 **Test Date** :2018-10-03

Fundamental Frequency :5530 MHz Temp./Humi. :23 deg_C / 62 RH

Operation Mode :Tx CH LOW Engineer :Wei

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11060.00	Average	23.69	21.53	45.22	54.00	-8.78
11060.00	Peak	33.42	21.53	54.95	74.00	-19.05

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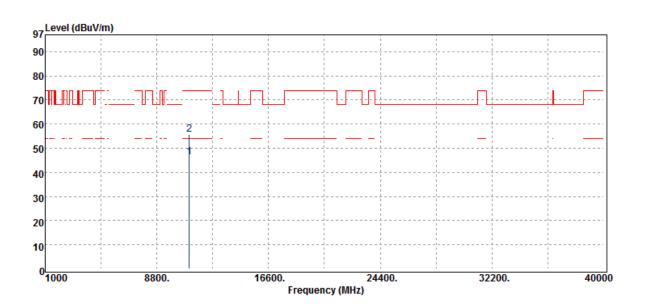
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B3 :5530 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11060.00	Average	24.72	21.53	46.25	54.00	-7.75
11060.00	Peak	34.15	21.53	55.68	74.00	-18.32

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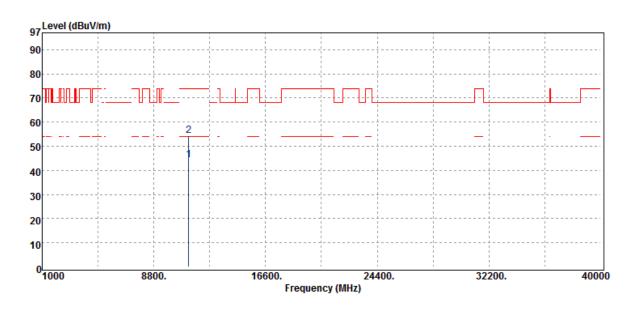
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B3 :5610 MHz :Tx CH HIGH :E2 Plane

Test Date :2018-10-03 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11220.00	Average	22.61	21.56	44.17	54.00	-9.83
11220.00	Peak	32.97	21.56	54.53	74.00	-19.47

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

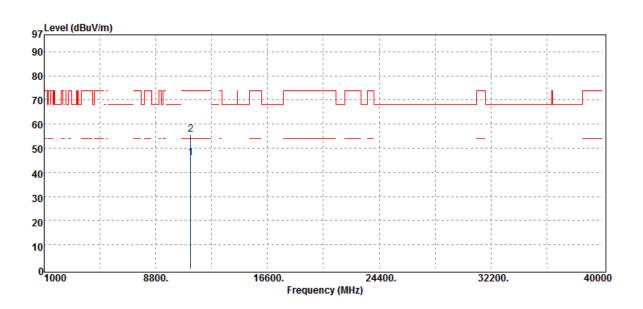
:802.11ac80B3 :5610 MHz :Tx CH HIGH :E2 Plane

Test Date Temp./Humi. Engineer

:2018-10-03 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11220.00	Average	24.37	21.56	45.93	54.00	-8.07
11220.00	Peak	34.03	21.56	55.59	74.00	-18.41

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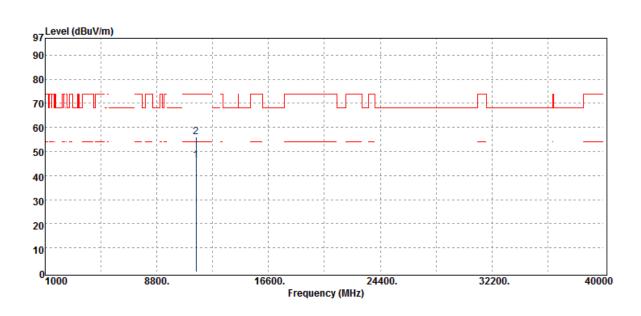
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5725~5850 MHz

Operation Band :802.11ac80B4 **Test Date** :2018-10-03

Fundamental Frequency :5775 MHz Temp./Humi. :23 deg_C / 62 RH Operation Mode :Tx CH LOW Engineer

EUT Pol. :E2 Plane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
11550.00	Average	24.68	21.66	46.34	54.00	-7.66
11550.00	Peak	34.47	21.66	56.13	74.00	-17.87

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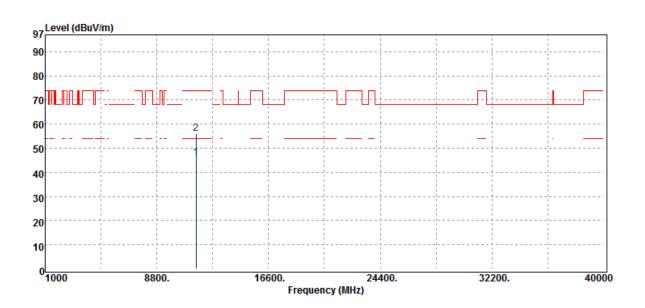
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B4 :5775 MHz :Tx CH LOW :E2 Plane

Test Date Temp./Humi. :2018-10-03 :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11550.00	Average	24.16	21.66	45.82	54.00	-8.18
11550.00	Peak	34.32	21.66	55.98	74.00	-18.02

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Band edge falling to restricted band SISO

802.11n20 HT mode

Operation Band

Fundamental Frequency

Operation Mode

EUT Pol.

:802.11n20B3 :5700 MHz

:Bandedge CH HIGH

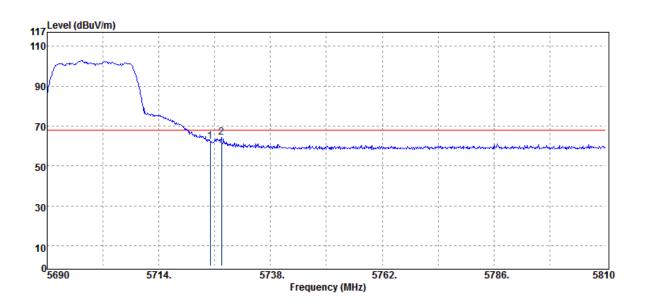
:E2 Plane

Test Date Temp./Humi. :2018-09-21

:23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.0	00 Peak	52.95	9.44	62.39	68.20	-5.81
5727.4	4 Peak	54.91	9.44	64.35	68.20	-3.85

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5700 MHz

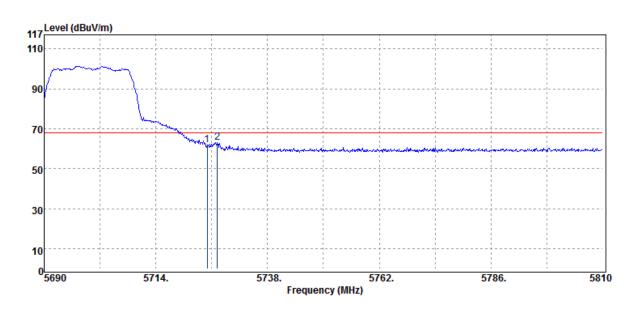
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-21 Temp./Humi. :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5725.00	Peak	52.40	9.44	61.84	68.20	-6.36
5727.20	Peak	53.84	9.44	63.28	68.20	-4.92

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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802.11n40 HT mode

Operation Band Fundamental Frequency Operation Mode EUT Pol.

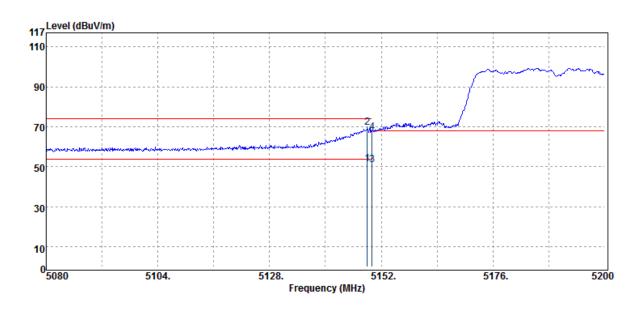
:802.11n40B1 :5190 MHz

:Bandedge CH LOW Engineer

:E2 Plane

Test Date :2018-09-21 Temp./Humi. :23 deg_C / 62 RH :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5149.00	Average	43.18	8.30	51.48	54.00	-2.52
5149.00	Peak	61.22	8.30	69.52	74.00	-4.48
5150.00	Average	42.75	8.32	51.07	54.00	-2.93
5150.00	Peak	58.68	8.32	67.00	74.00	-7.00

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B1 :5190 MHz

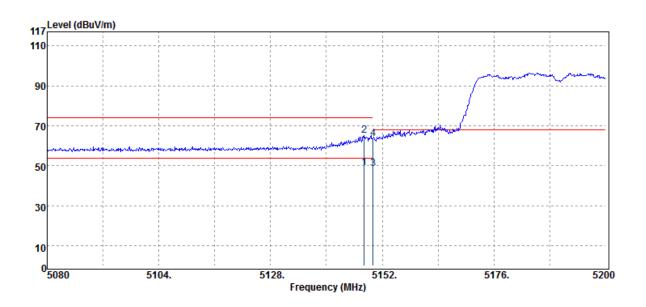
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-21 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5148.16	Average	40.52	8.30	48.82	54.00	-5.18
5148.16	Peak	56.84	8.30	65.14	74.00	-8.86
5150.00	Average	40.24	8.32	48.56	54.00	-5.44
5150.00	Peak	55.06	8.32	63.38	74.00	-10.62

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B2 :5310 MHz

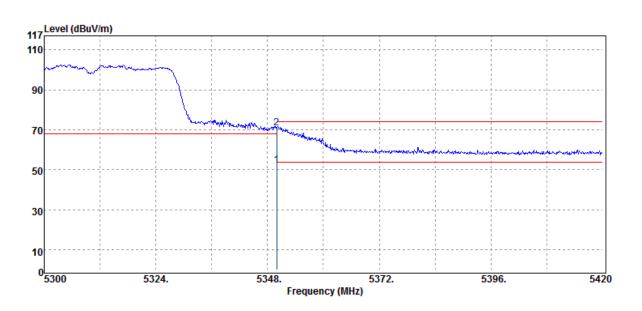
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-21 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5350.00	Average	43.44	8.63	52.07	54.00	-1.93
5350.00	Peak	62.24	8.63	70.87	74.00	-3.13

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B2 :5310 MHz

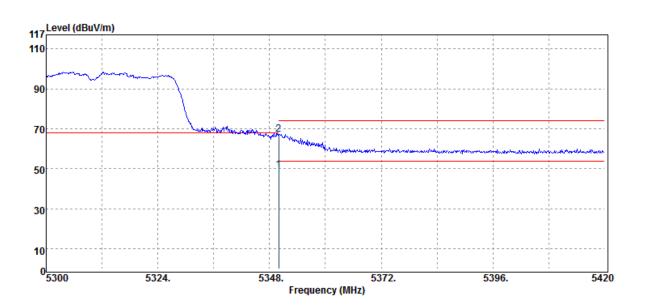
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-21 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5350.00	Average	40.74	8.63	49.37	54.00	-4.63
5350.00	Peak	58.59	8.63	67.22	74.00	-6.78

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5510 MHz

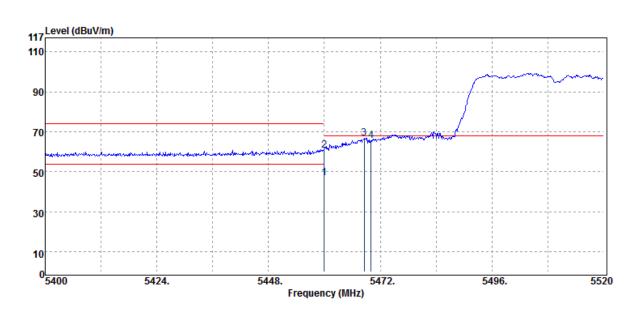
:Bandedge CH LOW Engineer

:E2 Plane

Test Date :2018-09-21 Temp./Humi. :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5460.00	Average	38.39	8.75	47.14	54.00	-6.86
5460.00	Peak	52.09	8.75	60.84	74.00	-13.16
5468.52	Peak	58.11	8.74	66.85	68.20	-1.35
5470.00	Peak	56.72	8.74	65.46	68.20	-2.74

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5510 MHz

:Bandedge CH LOW

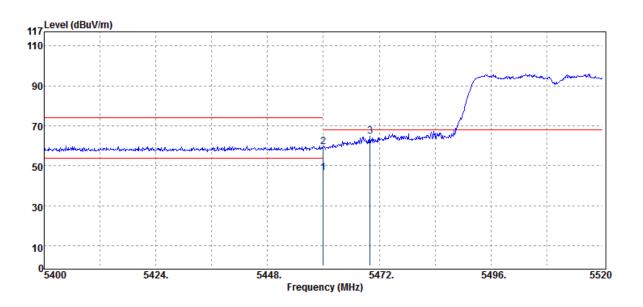
:E2 Plane

Test Date Temp./Humi. Engineer

:2018-09-21 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5460.00	Average	37.91	8.75	46.66	54.00	-7.34
5460.00	Peak	50.60	8.75	59.35	74.00	-14.65
5470.00	Peak	56.11	8.74	64.85	68.20	-3.35

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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802.11ac80 VHT mode

Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B1 :5210 MHz

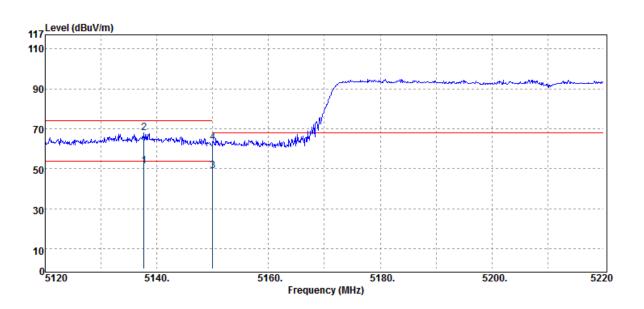
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-25 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5137.70	Average	43.27	8.28	51.55	54.00	-2.45
5137.70	Peak	59.82	8.28	68.10	74.00	-5.90
5150.00	Average	40.76	8.32	49.08	54.00	-4.92
5150.00	Peak	54.91	8.32	63.23	74.00	-10.77

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B1 :5210 MHz

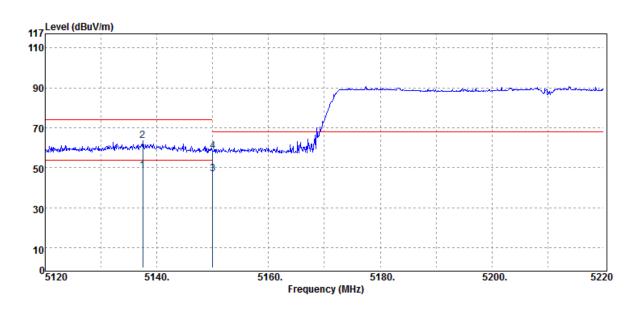
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-25 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5137.50	Average	40.16	8.28	48.44	54.00	-5.56
5137.50	Peak	55.12	8.28	63.40	74.00	-10.60
5150.00	Average	38.81	8.32	47.13	54.00	-6.87
5150.00	Peak	50.12	8.32	58.44	74.00	-15.56

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B2 :5290 MHz

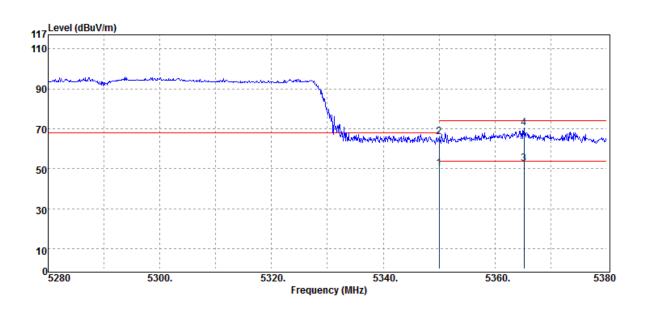
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-25 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5350.00	Average	41.76	8.63	50.39	54.00	-3.61
5350.00	Peak	57.40	8.63	66.03	74.00	-7.97
5365.20	Average	44.03	8.64	52.67	54.00	-1.33
5365.20	Peak	61.63	8.64	70.27	74.00	-3.73

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B2 :5290 MHz

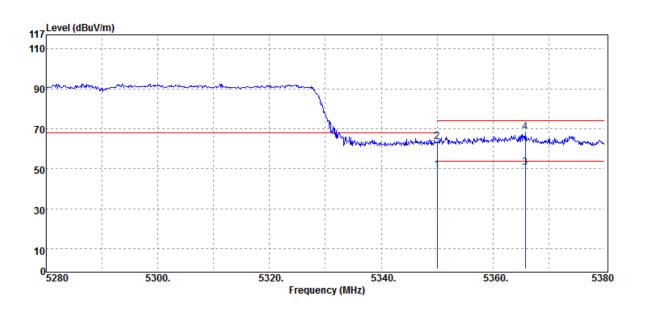
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-25 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5350.00	Average	40.75	8.63	49.38	54.00	-4.62
5350.00	Peak	54.94	8.63	63.57	74.00	-10.43
5365.80	Average	42.09	8.64	50.73	54.00	-3.27
5365.80	Peak	59.62	8.64	68.26	74.00	-5.74

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B3 :5530 MHz

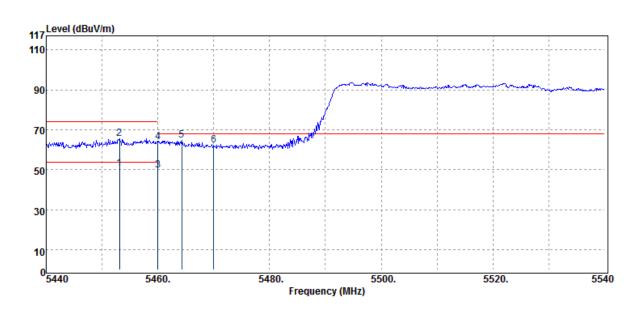
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-25 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dBμV/m	dB
5453.10	Average	41.77	8.76	50.53	54.00	-3.47
5453.10	Peak	56.69	8.76	65.45	74.00	-8.55
5460.00	Average	41.23	8.75	49.98	54.00	-4.02
5460.00	Peak	55.10	8.75	63.85	74.00	-10.15
5464.30	Peak	56.02	8.74	64.76	68.20	-3.44
5470.00	Peak	53.42	8.74	62.16	68.20	-6.04

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No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B3 :5530 MHz

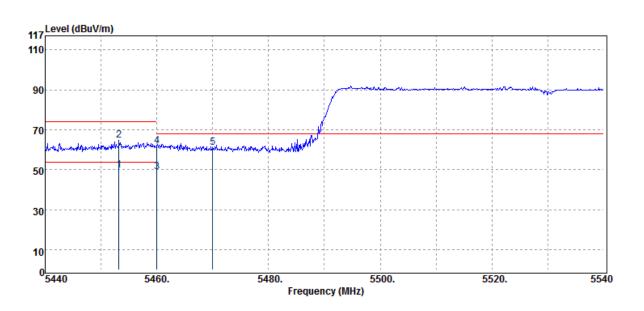
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-25 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5453.20	Average	40.93	8.76	49.69	54.00	-4.31
5453.20	Peak	55.97	8.76	64.73	74.00	-9.27
5460.00	Average	40.42	8.75	49.17	54.00	-4.83
5460.00	Peak	53.22	8.75	61.97	74.00	-12.03
5470.00	Peak	52.23	8.74	60.97	68.20	-7.23

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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MIMO

802.11a mode

:802.11aB1 **Operation Band Fundamental Frequency** :5180 MHz

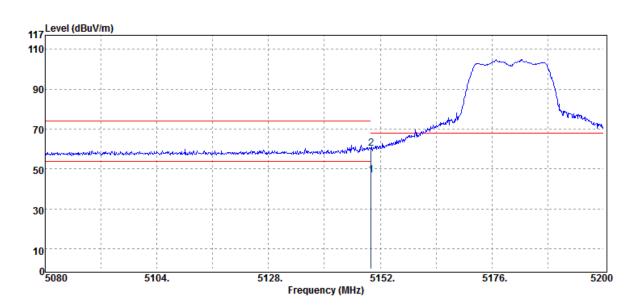
Operation Mode :Bandedge CH LOW

EUT Pol. :E2 Plane **Test Date** :2018-09-06

Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector Mode	Spectrum	Factor	Actual FS	Limit	Margin
MHz	PK/QP/AV	Reading Level dBµV	dB	dBµV/m	@3m dBµV/m	dB
5150.00	Average	38.74	8.32	47.06	54.00	-6.94
5150.00	Peak	51.99	8.32	60.31	74.00	-13.69

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB1 :5180 MHz

:Bandedge CH LOW

:E2 Plane

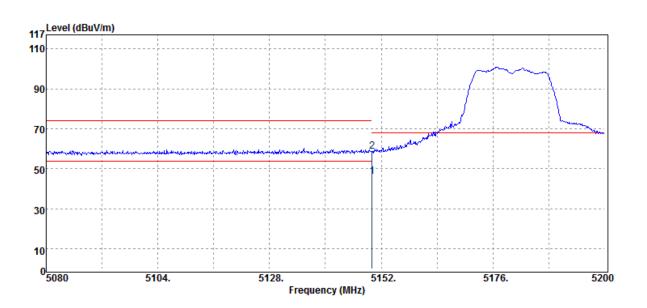
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:2018-09-06 :23 deg_C / 62 RH

:Wei

:HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5150.00	Average	37.92	8.32	46.24	54.00	-7.76
5150.00	Peak	50.55	8.32	58.87	74.00	-15.13

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB2 :5320 MHz

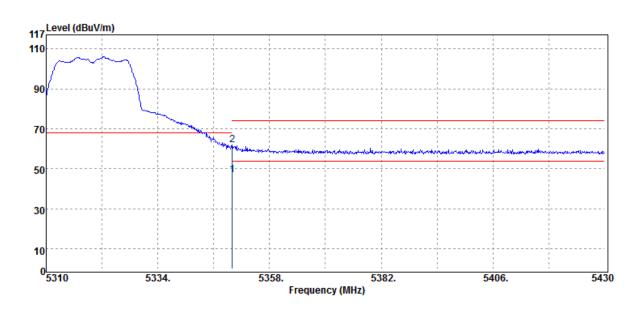
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-06 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5350.00	Average	38.26	8.63	46.89	54.00	-7.11
5350.00	Peak	53.22	8.63	61.85	74.00	-12.15

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB2 :5320 MHz

:Bandedge CH HIGH

:E2 Plane

Test Date Temp./Humi. Engineer

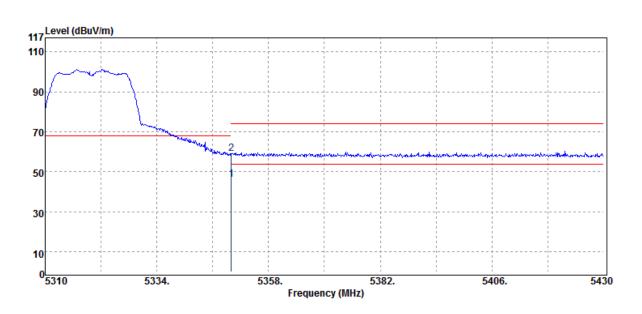
:2018-09-06

:23 deg_C / 62 RH

:Wei

Measurement Antenna Pol.

:HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5350.00	Average	37.66	8.63	46.29	54.00	-7.71
5350.00	Peak	50.60	8.63	59.23	74.00	-14.77

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB3 :5500 MHz

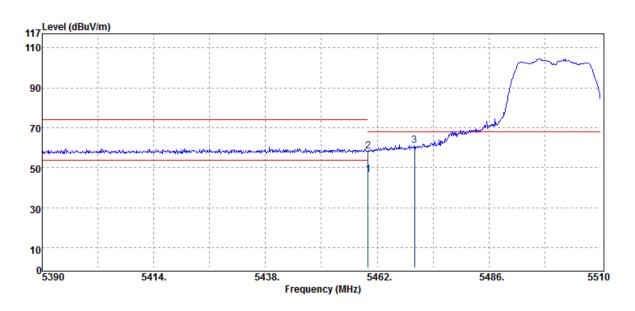
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5460.00	Average	37.85	8.75	46.60	54.00	-7.40
5460.00	Peak	49.57	8.75	58.32	74.00	-15.68
5470.00	Peak	52.46	8.74	61.20	68.20	-7.00

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB3 :5500 MHz

:Bandedge CH LOW

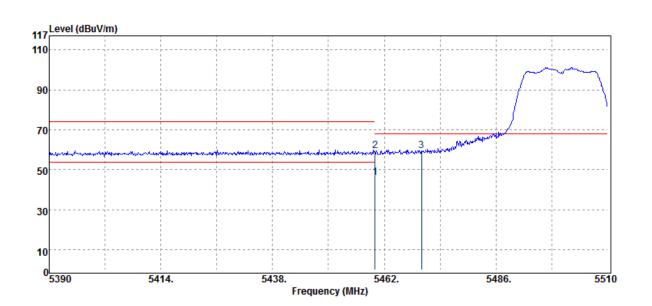
:E2 Plane

Test Date Temp./Humi. Engineer

:2018-09-07 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBμV/m	dΒμV/m	dB
5460.00	Average	37.42	8.75	46.17	54.00	-7.83
5460.00	Peak	50.71	8.75	59.46	74.00	-14.54
5470.00	Peak	50.69	8.74	59.43	68.20	-8.77

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB3 :5700 MHz

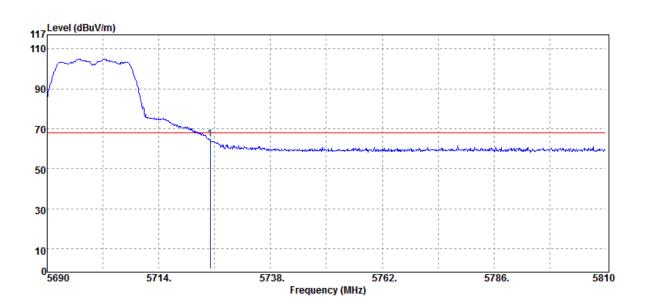
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	5725.00	Peak	55.36	9.44	64.80	68.20	-3.40	_

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB3 :5700 MHz

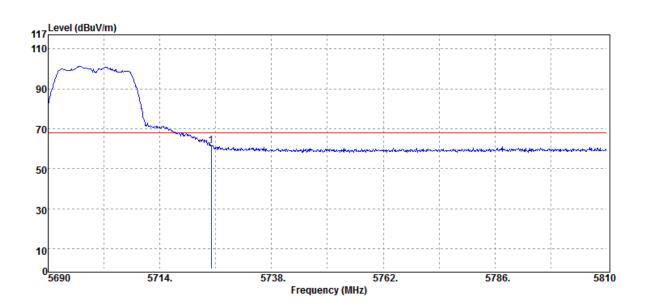
:Bandedge CH HIGH

:E2 Plane

Test Date Temp./Humi. :2018-09-07 :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m	-	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	5725.00	Peak	52.03	9.44	61.47	68.20	-6.73	_

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB4 :5745 MHz

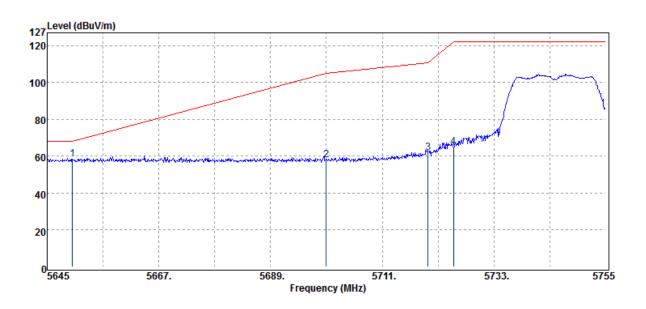
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	49.15	9.20	58.35	68.23	-9.88
5700.00	Peak	48.54	9.35	57.89	105.23	-47.34
5720.00	Peak	52.48	9.43	61.91	110.83	-48.92
5725.00	Peak	55.51	9.44	64.95	122.23	-57.28

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB4 :5745 MHz

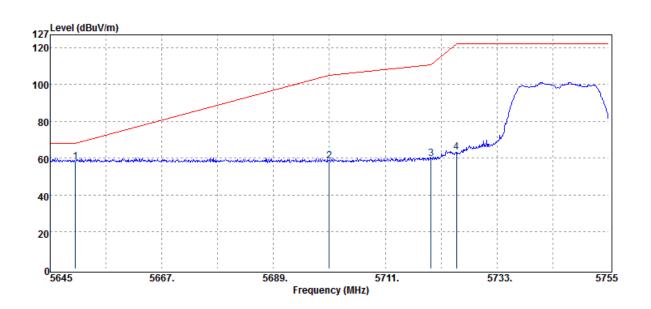
:Bandedge CH LOW

:E2 Plane

Test Date Temp./Humi. Engineer

:2018-09-07 :23 deg_C / 62 RH

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5650.00	Peak	49.00	9.20	58.20	68.23	-10.03
5700.00	Peak	49.26	9.35	58.61	105.23	-46.62
5720.00	Peak	50.43	9.43	59.86	110.83	-50.97
5725.00	Peak	53.81	9.44	63.25	122.23	-58.98

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB4 :5825 MHz

:Bandedge CH HIGH

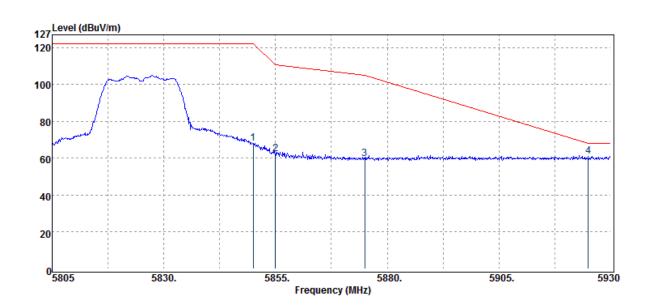
:E2 Plane

Test Date Temp./Humi. Engineer

:2018-09-07 :23 deg_C / 62 RH

:Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	58.39	9.77	68.16	122.23	-54.07
5855.00	Peak	52.50	9.78	62.28	110.83	-48.55
5875.00	Peak	49.77	9.82	59.59	105.23	-45.64
5925.00	Peak	50.89	9.98	60.87	68.23	-7.36

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11aB4 :5825 MHz

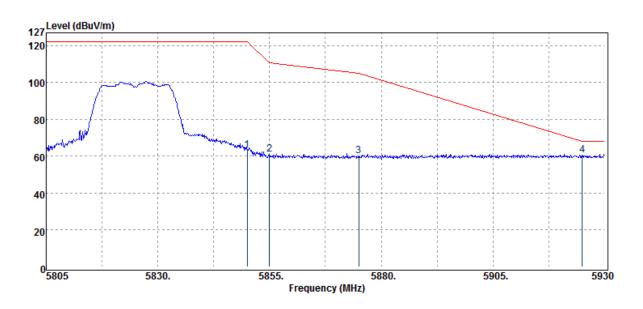
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	53.33	9.77	63.10	122.23	-59.13
5855.00	Peak	51.22	9.78	61.00	110.83	-49.83
5875.00	Peak	50.55	9.82	60.37	105.23	-44.86
5925.00	Peak	50.57	9.98	60.55	68.23	-7.68

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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802.11n20 HT mode

Operation Band Fundamental Frequency

:802.11n20B1 :5180 MHz :Bandedge CH LOW **Test Date** Temp./Humi. :2018-09-07 :23 deg_C / 62 RH

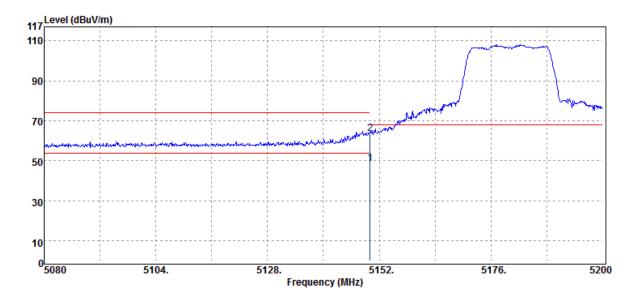
Engineer :Wei

Measurement Antenna Pol.

:VERTICAL

Operation Mode EUT Pol.

:E2 Plane



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5150.00	Average	40.44	8.32	48.76	54.00	-5.24
5150.00	Peak	55.40	8.32	63.72	74.00	-10.28

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B1 :5180 MHz

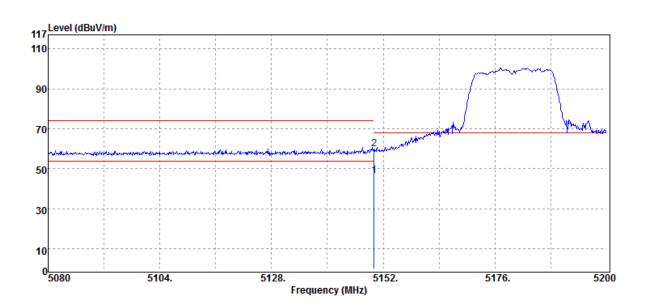
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5150.00	Average	38.16	8.32	46.48	54.00	-7.52
5150.00	Peak	51.63	8.32	59.95	74.00	-14.05

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B2 :5320 MHz

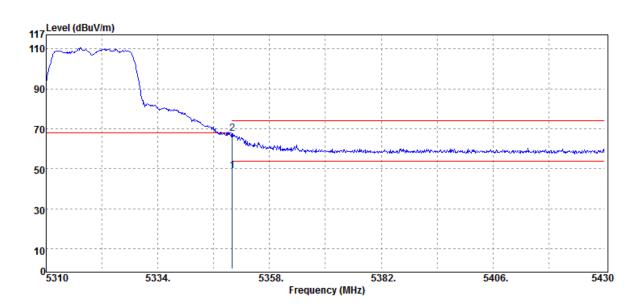
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5350.00	Average	40.41	8.63	49.04	54.00	-4.96
5350.00	Peak	59.14	8.63	67.77	74.00	-6.23

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B2 :5320 MHz

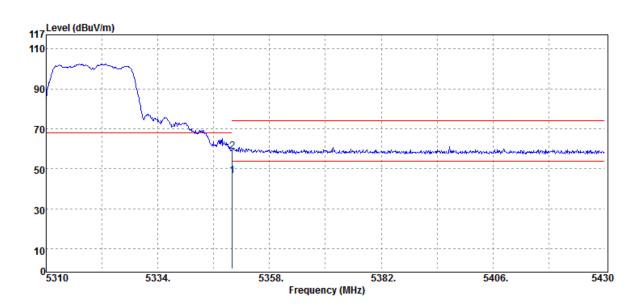
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	_
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5350.00	Average	37.94	8.63	46.57	54.00	-7.43
5350.00	Peak	50.26	8.63	58.89	74.00	-15.11

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5500 MHz

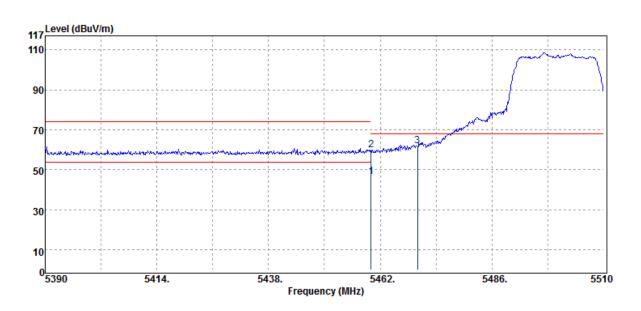
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5460.00	Average	37.94	8.75	46.69	54.00	-7.31
5460.00	Peak	51.01	8.75	59.76	74.00	-14.24
5470.00	Peak	53.32	8.74	62.06	68.20	-6.14

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5500 MHz

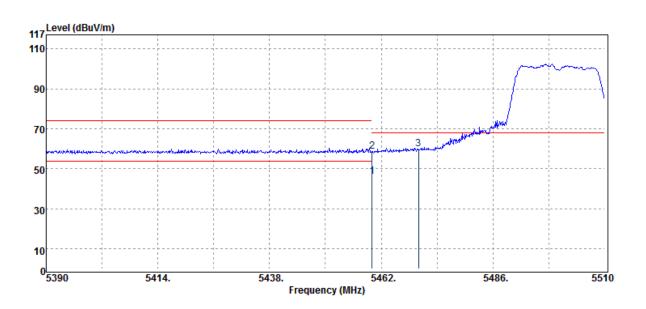
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5460.00	Average	37.40	8.75	46.15	54.00	-7.85
5460.00	Peak	49.98	8.75	58.73	74.00	-15.27
5470.00	Peak	51.26	8.74	60.00	68.20	-8.20

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5700 MHz

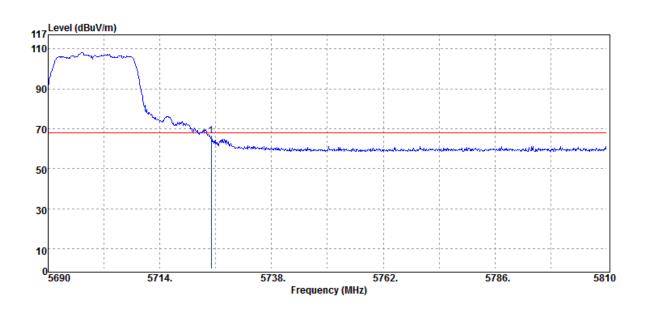
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@ 3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	5725.00	Peak	56.97	9.44	66.41	68.20	-1.79	

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B3 :5700 MHz

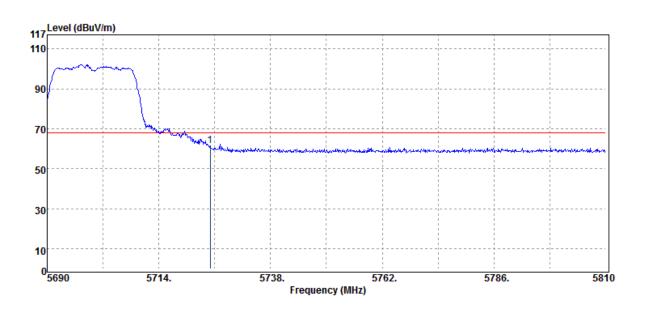
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	-
 MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5725.00	Peak	52.25	9.44	61.69	68.20	-6.51

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.

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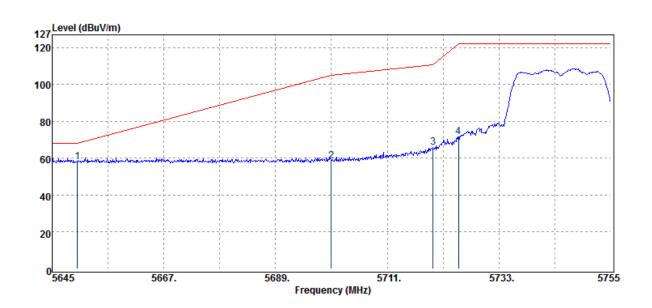
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B4 :5745 MHz :Bandedge CH LOW **Test Date** Temp./Humi. Engineer

:2018-09-07 :23 deg_C / 62 RH

:Wei :VERTICAL

:E2 Plane Measurement Antenna Pol.



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	48.65	9.20	57.85	68.23	-10.38
5700.00	Peak	49.27	9.35	58.62	105.23	-46.61
5720.00	Peak	56.31	9.43	65.74	110.83	-45.09
5725.00	Peak	62.11	9.44	71.55	122.23	-50.68

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B4 :5745 MHz :Bandedge CH LOW

:E2 Plane

Temp./Humi.

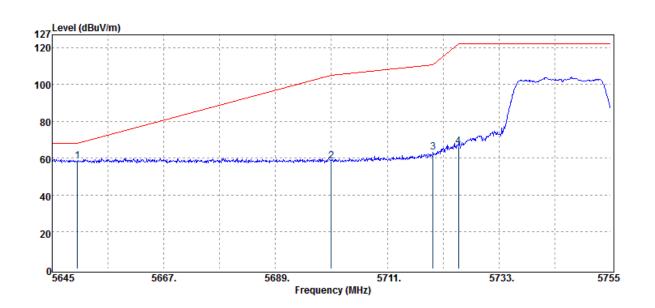
:2018-09-07 :23 deg_C / 62 RH

Engineer

Test Date

Measurement Antenna Pol.

:HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	49.35	9.20	58.55	68.23	-9.68
5700.00	Peak	49.24	9.35	58.59	105.23	-46.64
5720.00	Peak	53.66	9.43	63.09	110.83	-47.74
5725.00	Peak	57.11	9.44	66.55	122.23	-55.68

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B4 :5825 MHz

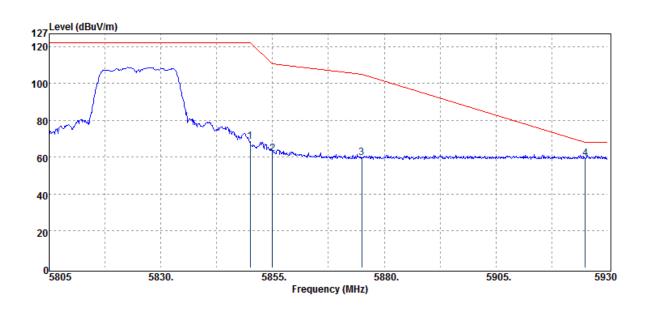
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	58.95	9.77	68.72	122.23	-53.51
5855.00	Peak	52.37	9.78	62.15	110.83	-48.68
5875.00	Peak	49.75	9.82	59.57	105.23	-45.66
5925.00	Peak	49.50	9.98	59.48	68.23	-8.75

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.

| No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20B4 :5825 MHz

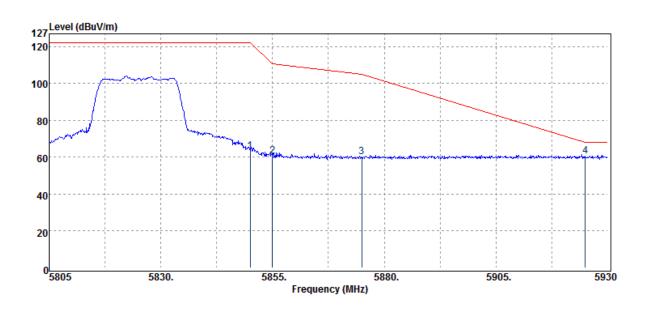
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	53.32	9.77	63.09	122.23	-59.14
5855.00	Peak	50.69	9.78	60.47	110.83	-50.36
5875.00	Peak	50.36	9.82	60.18	105.23	-45.05
5925.00	Peak	50.65	9.98	60.63	68.23	-7.60

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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802.11n40 HT mode

Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B1 :5190 MHz

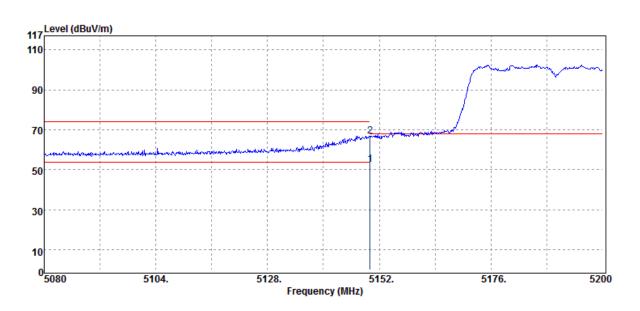
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5150.00	Average	44.21	8.32	52.53	54.00	-1.47
5150.00	Peak	58.60	8.32	66.92	74.00	-7.08

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

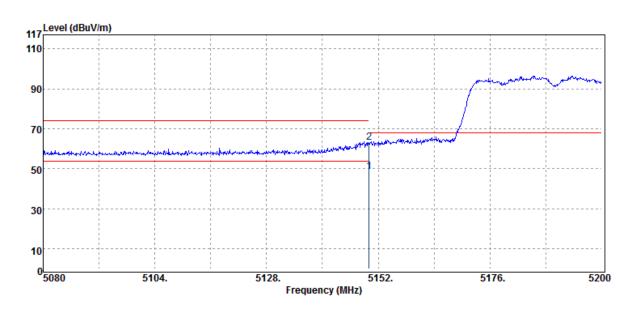
:802.11n40B1 :5190 MHz

:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH :Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dB _µ V	dB	dBμV/m	dBμV/m	dB
5150.00	Average	40.44	8.32	48.76	54.00	-5.24
5150.00	Peak	54.65	8.32	62.97	74.00	-11.03

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B2 :5310 MHz

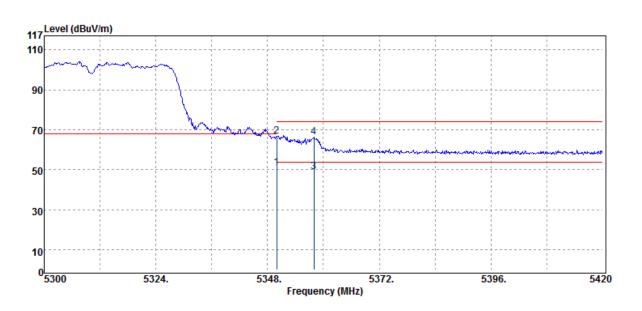
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5350.00	Average	42.38	8.63	51.01	54.00	-2.99
5350.00	Peak	58.37	8.63	67.00	74.00	-7.00
5357.96	Average	40.27	8.65	48.92	54.00	-5.08
5357.96	Peak	57.79	8.65	66.44	74.00	-7.56

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

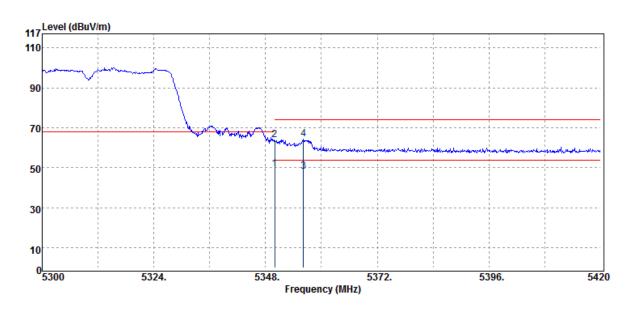
:802.11n40B2 :5310 MHz

:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5350.00	Average	40.56	8.63	49.19	54.00	-4.81
5350.00	Peak	55.16	8.63	63.79	74.00	-10.21
5356.16	Average	39.56	8.64	48.20	54.00	-5.80
5356.16	Peak	55.78	8.64	64.42	74.00	-9.58

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode

:802.11n40B3 :5510 MHz :Bandedge CH LOW **Test Date** Temp./Humi. :2018-09-07 :23 deg_C / 62 RH

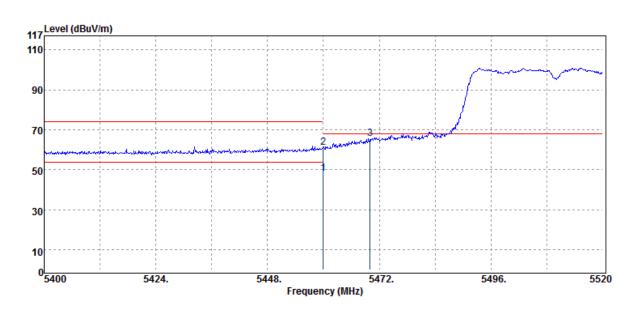
Engineer

:Wei

EUT Pol.

:E2 Plane

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@ 3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5460.00	Average	39.26	8.75	48.01	54.00	-5.99
5460.00	Peak	52.41	8.75	61.16	74.00	-12.84
5470.00	Peak	56.67	8.74	65.41	68.20	-2.79

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5510 MHz

:Bandedge CH LOW

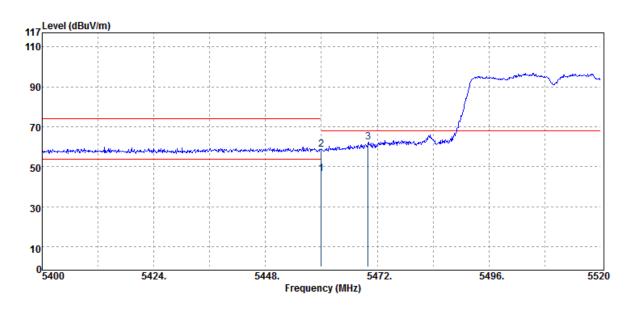
:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Measurement Antenna Pol.

:Wei Engineer

:HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5460.00	Average	37.93	8.75	46.68	54.00	-7.32
5460.00	Peak	50.11	8.75	58.86	74.00	-15.14
5470.00	Peak	53.54	8.74	62.28	68.20	-5.92

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5670 MHz

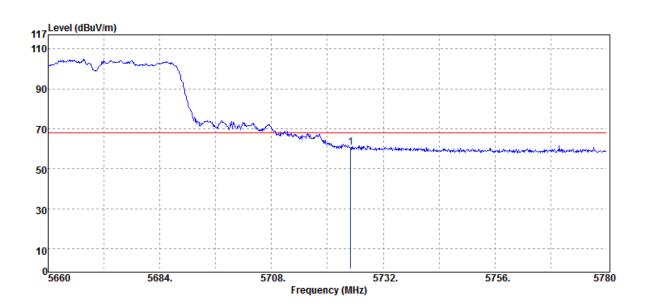
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@3m	_	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	5725.00	Peak	51.23	9.44	60.67	68.20	-7.53	_

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B3 :5670 MHz

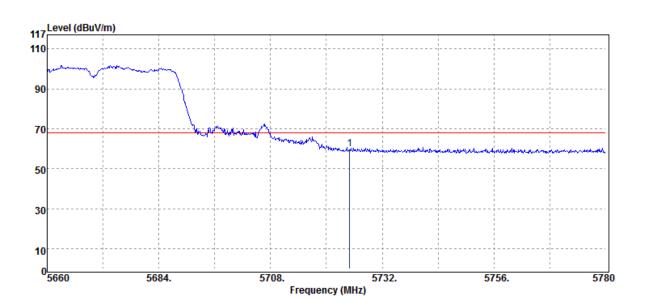
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

:Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
		Mode	Reading Level		FS	@ 3m		
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB	
	5725.00	Peak	50.53	9.44	59.97	68.20	-8.23	_

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B4 :5755 MHz

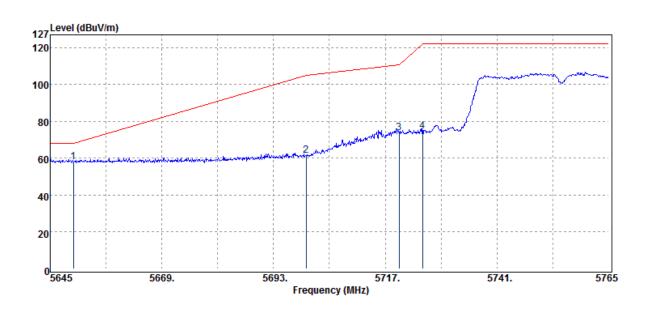
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	48.72	9.20	57.92	68.23	-10.31
5700.00	Peak	52.13	9.35	61.48	105.23	-43.75
5720.00	Peak	64.42	9.43	73.85	110.83	-36.98
5725.00	Peak	65.16	9.44	74.60	122.23	-47.63

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

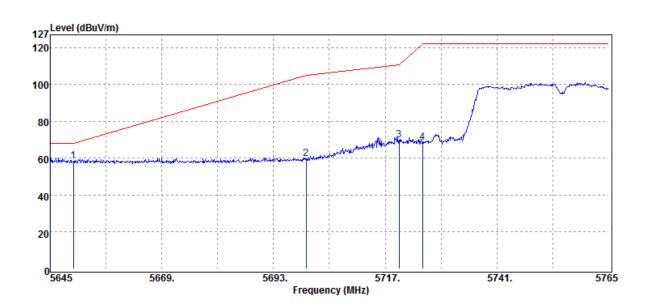
:802.11n40B4 :5755 MHz

:Bandedge CH LOW Engineer

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	49.12	9.20	58.32	68.23	-9.91
5700.00	Peak	50.31	9.35	59.66	105.23	-45.57
5720.00	Peak	60.28	9.43	69.71	110.83	-41.12
5725.00	Peak	59.18	9.44	68.62	122.23	-53.61

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B4 :5795 MHz

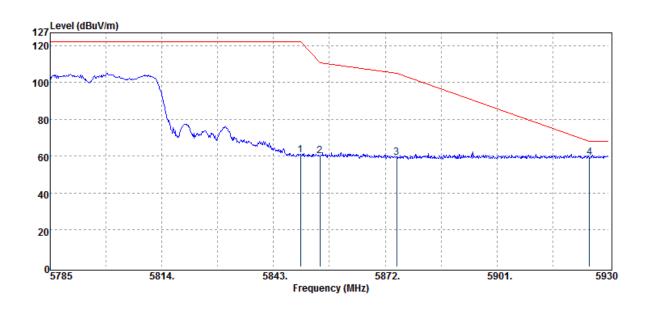
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	50.80	9.77	60.57	122.23	-61.66
5855.00	Peak	50.34	9.78	60.12	110.83	-50.71
5875.00	Peak	49.55	9.82	59.37	105.23	-45.86
5925.00	Peak	49.32	9.98	59.30	68.23	-8.93

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40B4 :5795 MHz

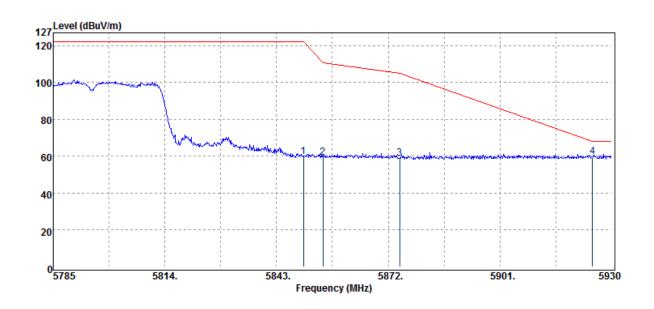
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	50.15	9.77	59.92	122.23	-62.31
5855.00	Peak	49.72	9.78	59.50	110.83	-51.33
5875.00	Peak	49.01	9.82	58.83	105.23	-46.40
5925.00	Peak	49.67	9.98	59.65	68.23	-8.58

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802.11ac80 VHT mode

Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B1 :5210 MHz :Bandedge CH LOW

:E2 Plane

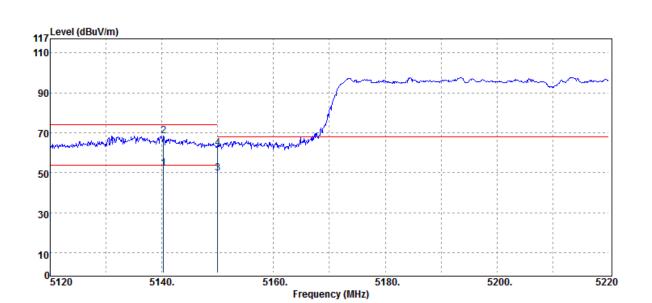
Test Date Temp./Humi. Engineer

:2018-09-07

Measurement Antenna Pol.

:23 deg_C / 62 RH :Wei

:VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5140.30	Average	43.86	8.30	52.16	54.00	-1.84
5140.30	Peak	60.26	8.30	68.56	74.00	-5.44
5150.00	Average	41.66	8.32	49.98	54.00	-4.02
5150.00	Peak	54.20	8.32	62.52	74.00	-11.48

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

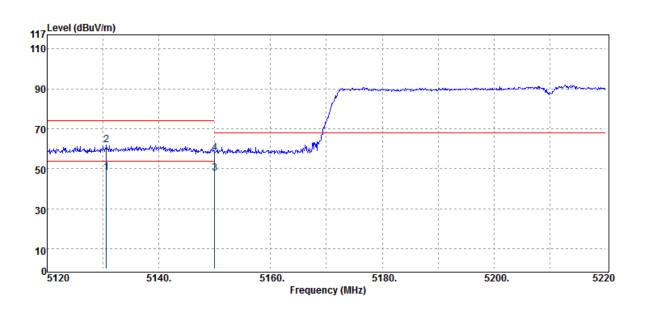
:802.11ac80B1 :5210 MHz

:Bandedge CH LOW Engineer

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5130.60	Average	39.71	8.27	47.98	54.00	-6.02
5130.60	Peak	53.81	8.27	62.08	74.00	-11.92
5150.00	Average	39.31	8.32	47.63	54.00	-6.37
5150.00	Peak	49.46	8.32	57.78	74.00	-16.22

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Personal Results and the sample(s) tested and such sample(s) tested and sample(s) tested and such sample(s) tested and such sample(s) tested and s may be prosecuted to the fullest extent of the law.



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B2 :5290 MHz

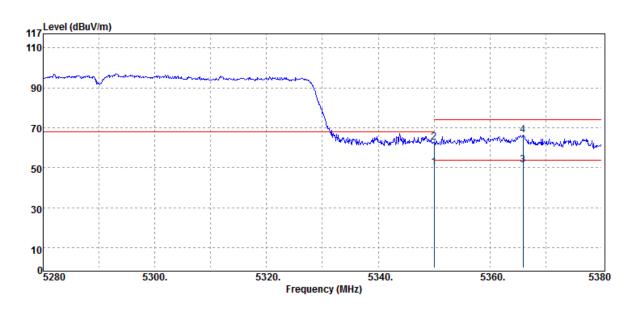
:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5350.00	Average	41.75	8.63	50.38	54.00	-3.62
5350.00	Peak	54.00	8.63	62.63	74.00	-11.37
5365.90	Average	42.97	8.64	51.61	54.00	-2.39
5365.90	Peak	57.78	8.64	66.42	74.00	-7.58

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

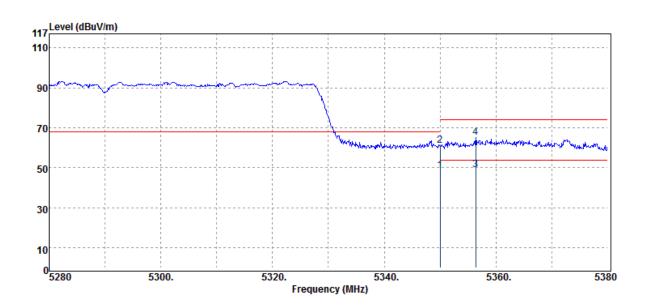
:802.11ac80B2 :5290 MHz

:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5350.00	Average	39.85	8.63	48.48	54.00	-5.52
5350.00	Peak	52.36	8.63	60.99	74.00	-13.01
5356.40	Average	40.35	8.64	48.99	54.00	-5.01
5356.40	Peak	56.59	8.64	65.23	74.00	-8.77

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台灣檢驗科技股份有限公司



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Operation Band Fundamental Frequency Operation Mode

:802.11ac80B3 :5530 MHz :Bandedge CH LOW

Temp./Humi.

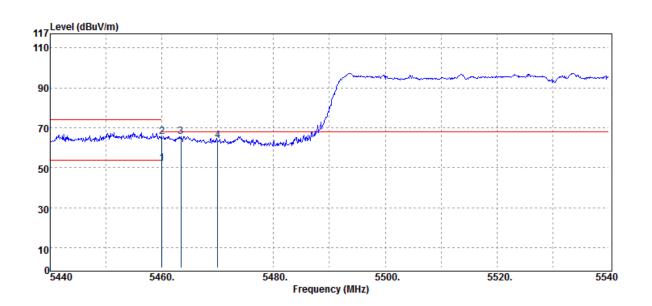
:2018-09-07 :23 deg_C / 62 RH

Engineer Measurement Antenna Pol.

Test Date

:Wei :VERTICAL

EUT Pol. :E2 Plane



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5460.00	Average	43.40	8.75	52.15	54.00	-1.85
5460.00	Peak	56.65	8.75	65.40	74.00	-8.60
5463.40	Peak	57.03	8.74	65.77	68.20	-2.43
5470.00	Peak	54.80	8.74	63.54	68.20	-4.66

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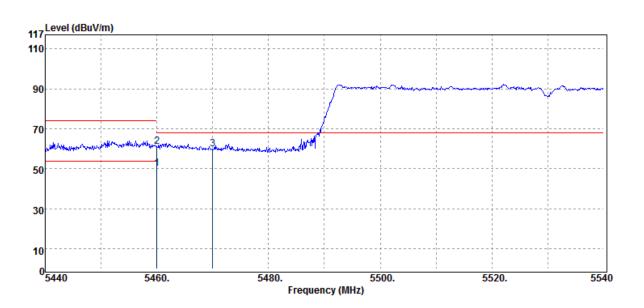
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B3 :5530 MHz :Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH :Wei Engineer

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5460.00	Average	41.45	8.75	50.20	54.00	-3.80
5460.00	Peak	52.55	8.75	61.30	74.00	-12.70
5470.00	Peak	51.26	8.74	60.00	68.20	-8.20

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11ac80B4 :5775 MHz

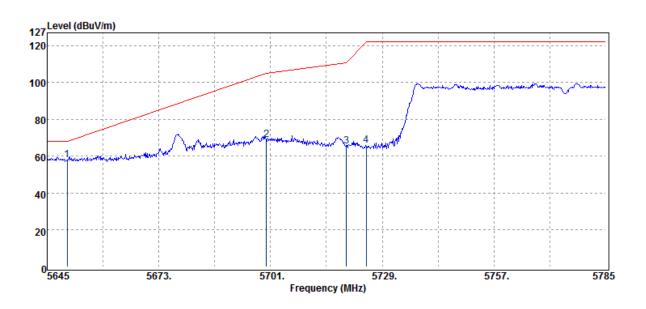
:Bandedge CH LOW

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Engineer :Wei

Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	48.83	9.20	58.03	68.23	-10.20
5700.00	Peak	59.80	9.35	69.15	105.23	-36.08
5720.00	Peak	56.25	9.43	65.68	110.83	-45.15
5725.00	Peak	56.64	9.44	66.08	122.23	-56.15

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

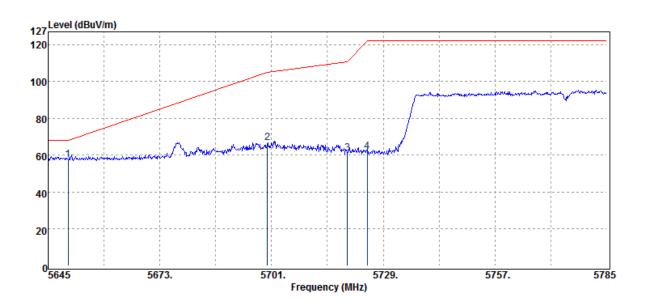
:802.11ac80B4 :5775 MHz

:Bandedge CH LOW Engineer

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	48.43	9.20	57.63	68.23	-10.60
5700.00	Peak	57.48	9.35	66.83	105.23	-38.40
5720.00	Peak	51.80	9.43	61.23	110.83	-49.60
5725.00	Peak	52.69	9.44	62.13	122.23	-60.10

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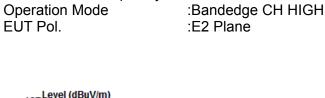
Operation Band Fundamental Frequency Operation Mode

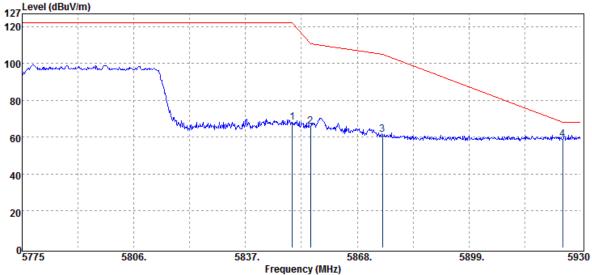
:802.11ac80B4 :5775 MHz

Test Date Temp./Humi. Engineer

:2018-09-07 :23 deg_C / 62 RH

:Wei Measurement Antenna Pol. :VERTICAL





Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	58.43	9.77	68.20	122.23	-54.03
5855.00	Peak	55.99	9.78	65.77	110.83	-45.06
5875.00	Peak	51.90	9.82	61.72	105.23	-43.51
5925.00	Peak	48.91	9.98	58.89	68.23	-9.34

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Operation Band Fundamental Frequency Operation Mode EUT Pol.

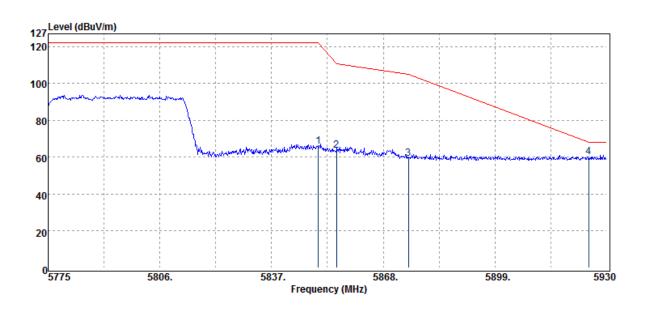
:802.11ac80B4 :5775 MHz

:Bandedge CH HIGH

:E2 Plane

Test Date :2018-09-07 Temp./Humi. :23 deg_C / 62 RH Engineer :Wei

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	56.05	9.77	65.82	122.23	-56.41
5855.00	Peak	53.99	9.78	63.77	110.83	-47.06
5875.00	Peak	49.39	9.82	59.21	105.23	-46.02
5925.00	Peak	50.10	9.98	60.08	68.23	-8.15

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

12.2 Result

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 FREQUENCY STABILITY

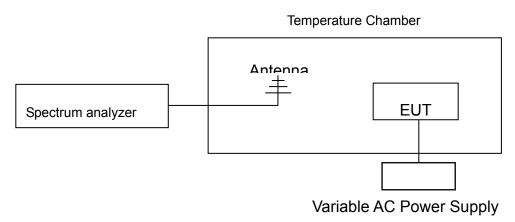
Standard Applicable

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

13.2 Measurement Procedure

- 1. The EUT was placed inside temperature chamber and powered and powered by nominal DC voltage.
- 2. Set EUT as normal operation.
- 3. Turn the EUT on and couple its output to spectrum.
- 4. Turn the EUT off and set the chamber to the highest temperature specified.
- 5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT and measure the operating frequency.
- 6. Repeat step with the temperature chamber set to the lowest temperature.

13.3 **Test SET-UP**



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13.4 **Measurement Equipment Used:**

SGS Conducted Room									
Name of Equipment	Manufacturer	Model	Serial Num- ber	Calibration Date	Calibration Due				
Spectrum Analyzer	R&S	FSV-30	101398	2017/10/19	2018/10/18				
DC Power Supply	Anritsu	E3640A	MY52410006	2017/11/28	2018/11/27				
Temperature Chamber	TERCHY	MHG-120LF	911009	2018/05/18	2019/05/17				
Attenuator	Mini-Circuit	BW-S10W2+	2	2018/01/02	2019/01/01				
DC Block	Mini-Circuits	BLK-18-S+	1	2018/01/02	2019/01/01				
Coaxial Cables	N/A	WK CE Cable	N/A	2018/01/02	2019/01/01				
Notebook	Lenovo	L430	R9-WGNK5	N/A	N/A				

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13.5 **Measurement Result**

SISO Startup:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.6V	140	5700	5,700.00160	-0.00000028
-10	3V	140	5700	5,700.00824	-0.00000144
25	3.3V	140	5700	5,699.99005	0.00000175
EE	3.6V	140	5700	5,699.99739	0.00000046
55	3V	140	5700	5,699.99947	0.0000009
Operation Med	<u> </u>	002 11 n UT40		Toet Data	2010 10 02

Operation Mode	802.11 n_HT40	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,190.00622	-0.00000120
	3.6V	62	5310	5,309.99075	0.00000174
-10		102	5510	5,509.99906	0.00000017
-10		38	5190	5,190.00732	-0.00000141
	3V	62	5310	5,310.00290	-0.00000055
		102	5510	5,510.00454	-0.00000082
		38	5190	5,189.99150	0.00000164
25	3.3V	62	5310	5,310.00289	-0.0000054
		102	5510	5,510.00937	-0.00000170
		38	5190	5,189.99985	0.00000003
	3.6V	62	5310	5,309.99027	0.00000183
55		102	5510	5,509.99173	0.00000150
		38	5190	5,190.00124	-0.00000024
	3V	62	5310	5,309.99331	0.00000126
		102	5510	5,510.00426	-0.00000077

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		-

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
	3.6V	42	5210	5,209.99209	0.00000152
-10	3.00	58	5290	5,289.99291	0.00000134
-10	3V	42	5210	5,210.00930	-0.00000178
		58	5290	5,289.99159	0.00000159
25	3.3V	42	5210	5,210.00809	-0.00000155
20	3.3V	58	5290	5,290.00628	-0.00000119
	3.6V	42	5210	5,210.00638	-0.00000122
55	3.00	58	5290	5,289.99269	0.00000138
55	3V	42	5210	5,209.99872	0.00000025
	3 V	58	5290	5,289.99354	0.00000122

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2 Minutes:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.6V	140	5700	5,699.99449	0.00000097
-10	3V	140	5700	5,700.00743	-0.00000130
25	3.3V	140	5700	5,700.00617	-0.00000108
55	3.6V	140	5700	5,700.00992	-0.00000174
33	3V	140	5700	5,700.00342	-0.00000060
Operation Mode	!	802.11 n_HT40		Test Date	2018.10.02
Temperature		:23		Test By	Gary
Humidity		:68 %			

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,190.00933	-0.00000180
	3.6V	62	5310	5,309.99147	0.00000161
-10		102	5510	5,509.99921	0.0000014
-10		38	5190	5,189.99861	0.00000027
	3V	62	5310	5,310.00591	-0.00000111
		102	5510	5,509.99699	0.00000055
		38	5190	5,189.99528	0.00000091
25	3.3V	62	5310	5,309.99557	0.00000083
		102	5510	5,509.99300	0.00000127
	3.6V	38	5190	5,189.99606	0.00000076
		62	5310	5,310.00320	-0.00000060
55 3V		102	5510	5,510.00721	-0.00000131
	3V	38	5190	5,189.99977	0.0000005
		62	5310	5,309.99742	0.0000049
		102	5510	5,509.99461	0.0000098

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
	3.6V	42	5210	5,210.00179	-0.00000034
-10	3.0 V	58	5290	5,290.00281	-0.00000053
-10	3V	42	5210	5,209.99758	0.00000046
	JV	58	5290	5,289.99665	0.00000063
25	3.3V	42	5210	5,209.99981	0.00000004
25	3.3 v	58	5290	5,290.00014	-0.00000003
	3.6V	42	5210	5,210.00963	-0.00000185
55	58	5290	5,289.99787	0.0000040	
55	3V	42	5210	5,209.99312	0.00000132
	υ	58	5290	5,289.99999	0.00000000

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5 Miuntes:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.6V	140	5700	5,700.00294	-0.00000052
-10	3V	140	5700	5,700.00738	-0.00000129
25	3.3V	140	5700	5,699.99924	0.00000013
55	3.6V	140	5700	5,699.99997	0.00000000
33	3V	140	5700	5,699.99536	0.00000081
Operation Mode		802.11 n_HT40		Test Date	2018.10.02
Temperature		:23		Test By	Gary
Humidity		:68 %		•	-

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,189.99841	0.00000031
	3.6V	62	5310	5,309.99017	0.00000185
-10		102	5510	5,510.00613	-0.00000111
-10		38	5190	5,190.00694	-0.00000134
	3V	62	5310	5,310.00444	-0.00000084
		102	5510	5,509.99614	0.00000070
		38	5190	5,190.00045	-0.00000009
25	3.3V	62	5310	5,309.99241	0.00000143
		102	5510	5,509.99178	0.00000149
		38	5190	5,189.99114	0.00000171
	3.6V	62	5310	5,309.99111	0.00000167
55 3 V	102	5510	5,510.00596	-0.00000108	
		38	5190	5,189.99854	0.00000028
	3V	62	5310	5,310.00137	-0.00000026
		102	5510	5,509.99266	0.00000133

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
	3.6V	42	5210	5,209.99118	0.00000169
-10	3.00	58	5290	5,290.00519	-0.00000098
-10	3V	42	5210	5,210.00102	-0.00000020
	JV	58	5290	5,289.99983	0.00000003
25	3.3V	42	5210	5,210.00899	-0.00000173
23	J.J V	58	5290	5,290.00255	-0.00000048
	3.6V 3V	42	5210	5,209.99293	0.00000136
55		58	5290	5,290.00243	-0.00000046
55		42	5210	5,209.99237	0.00000147
	3 V	58	5290	5,290.00472	-0.00000089

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10 Minutes:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.6V	140	5700	5,699.99657	0.00000060
-10	3V	140	5700	5,700.00178	-0.00000031
25	3.3V	140	5700	5,699.99058	0.00000165
55	3.6V	140	5700	5,699.99406	0.00000104
33	3V	140	5700	5,700.00683	-0.00000120
Operation Mode		802.11 n_HT40		Test Date	2018.10.02
Temperature		:23		Test By	Gary
Humidity		:68 %			

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,189.99661	0.00000065
	3.6V	62	5310	5,310.00447	-0.00000084
-10		102	5510	5,509.99788	0.0000038
-10		38	5190	5,189.99448	0.00000106
	3V	62	5310	5,310.00198	-0.00000037
		102	5510	5,510.00790	-0.00000143
	3.3V	38	5190	5,190.00513	-0.00000099
25		62	5310	5,309.99803	0.00000037
		102	5510	5,509.99885	0.00000021
	3.6V 3V	38	5190	5,190.00489	-0.00000094
55		62	5310	5,309.99330	0.00000126
		102	5510	5,509.99066	0.00000170
		38	5190	5,190.00769	-0.00000148
		62	5310	5,310.00737	-0.00000139
		102	5510	5,510.00845	-0.00000153

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
	3.6V	42	5210	5,210.00114	-0.00000022
-10	3.0 v	58	5290	5,290.00422	-0.00000080
-10	3V	42	5210	5,209.99492	0.00000097
	3 V	58	5290	5,289.99039	0.00000182
25	3.3V	42	5210	5,210.00869	-0.00000167
23	3.3 V	58	5290	5,290.00158	-0.00000030
	3.6V	42	5210	5,210.00363	-0.00000070
55		58	5290	5,290.00494	-0.00000093
	3V	42	5210	5,210.00536	-0.00000103
	υV	58	5290	5,290.00943	-0.00000178

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MIMO

Startup:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		36	5180	5,179.99393	0.00000117
		44	5220	5,220.00586	-0.00000112
		48	5240	5,239.99686	0.00000060
		52	5260	5,259.99197	0.00000153
		60	5300	5,300.00135	-0.00000025
	3.6V	64	5320	5,320.00821	-0.00000154
		100	5500	5,500.00679	-0.00000123
		116	5580	5,580.00999	-0.00000179
		140	5700	5,699.99932	0.00000012
		144	5720	5,720.00557	-0.00000097
		149	5745	5,745.00228	-0.00000040
		157	5785	5,784.99005	0.00000172
		165	5825	5,825.00332	-0.00000057
-10		36	5180	5,180.00359	-0.00000069
		44	5220	5,219.99279	0.00000138
		48	5240	5,239.99891	0.00000021
		52	5260	5,260.00869	-0.00000165
		60	5300	5,299.99092	0.00000171
	3V	64	5320	5,320.00963	-0.00000181
		100	5500	5,499.99985	0.00000003
		116	5580	5,580.00054	-0.00000010
		140	5700	5,700.00163	-0.00000029
		144	5720	5,719.99421	0.00000101
		149	5745	5,744.99463	0.0000093
		157	5785	5,785.00144	-0.00000025
		165	5825	5,824.99158	0.00000145

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	T	24	E100	E 170 00010	0.00000027
		36	5180 5220	5,179.99812	0.00000036
		44		5,220.00008	-0.00000001
		48	5240	5,240.00645	-0.00000123
		52	5260	5,259.99886	0.00000022
		60	5300	5,300.00506	-0.00000095
25	3.3V	64	5320	5,319.99943	0.00000011
		100	5500	5,499.99738	0.00000048
		116	5580	5,579.99041	0.00000172
		140	5700	5,699.99435	0.00000099
		144	5720	5,720.00023	-0.00000004
		149	5745	5,744.99559	0.00000077
		157	5785	5,784.99737	0.00000045
		165	5825	5,825.00364	-0.00000063
		36	5180	5,179.99443	0.00000108
		44	5220	5,219.99903	0.00000019
		48	5240	5,240.00822	-0.00000157
		52	5260	5,259.99062	0.00000178
		60	5300	5,299.99637	0.00000068
		64	5320	5,319.99370	0.00000118
	3.6V	100	5500	5,500.00216	-0.00000039
		116	5580	5,580.00215	-0.00000039
		140	5700	5,699.99415	0.00000103
		144	5720	5,720.00821	-0.00000144
		149	5745	5,745.00885	-0.00000154
		157	5785	5,784.99482	0.00000089
		165	5825	5,825.00693	-0.00000119
55		36	5180	5,180.00079	-0.00000015
		44	5220	5,219.99496	0.00000097
		48	5240	5,239.99677	0.00000062
		52	5260	5,259.99353	0.00000123
		60	5300	5,299.99863	0.00000026
	3V	64	5320	5,320.00588	-0.00000111
		100	5500	5,500.00797	-0.00000145
		116	5580	5,579.99098	0.00000162
		140	5700	5,699.99448	0.00000097
		144	5720	5,720.00001	0.00000000
		149	5745	5,744.99984	0.00000003
		157	5785	5,784.99480	0.00000090
		165	5825	5,824.99600	0.00000069

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Operation Mode	802.11 n_HT40	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,189.99839	0.00000031
		46	5230	5,229.99897	0.00000020
		54	5270	5,270.00157	-0.0000030
		62	5310	5,310.00949	-0.00000179
	3.6V	102	5510	5,509.99848	0.00000028
		110	5550	5,550.00873	-0.00000157
		134	5670	5,669.99854	0.00000026
		142	5710	5,709.99500	0.00000087
		151	5755	5,755.00468	-0.00000081
-10		159	5795	5,794.99563	0.00000075
		38	5190	5,190.00879	-0.00000169
		46	5230	5,229.99059	0.00000180
		54	5270	5,269.99118	0.00000167
		62	5310	5,310.00132	-0.00000025
	3V	102	5510	5,510.00259	-0.00000047
		110	5550	5,549.99500	0.0000090
		134	5670	5,669.99565	0.0000077
		142	5710	5,709.99246	0.00000132
		151	5755	5,755.00353	-0.00000061
		159	5795	5,795.00413	-0.00000071

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		38	5190	5,190.00565	-0.00000109
		46	5230	5,230.00640	-0.00000122
		54	5270	5,269.99002	0.00000189
		62	5310	5,310.00633	-0.00000119
25	3.3V	102	5510	5,510.00867	-0.00000157
		110	5550	5,549.99753	0.00000045
		134	5670	5,670.00181	-0.00000032
		142	5710	5,710.00443	-0.00000077
		151	5755	5,754.99072	0.00000161
		159	5795	5,794.99415	0.00000101
		38	5190	5,189.99044	0.00000184
		46	5230	5,230.00911	-0.00000174
		54	5270	5,270.00249	-0.00000047
		62	5310	5,309.99875	0.00000023
	3.6V	102	5510	5,509.99869	0.00000024
		110	5550	5,550.00807	-0.00000145
		134	5670	5,669.99129	0.00000154
		142	5710	5,710.00882	-0.00000154
		151	5755	5,755.00392	-0.00000068
		159	5795	5,795.00333	-0.00000057
55		38	5190	5,190.00533	-0.00000103
		46	5230	5,230.00020	-0.00000004
		54	5270	5,270.00333	-0.00000063
		62	5310	5,309.99827	0.00000033
	3V	102	5510	5,510.00005	-0.00000001
		110	5550	5,549.99636	0.00000066
		134	5670	5,669.99695	0.0000054
		142	5710	5,710.00673	-0.00000118
		151	5755	5,754.99377	0.0000108
		159	5795	5,794.99657	0.0000059

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		42	5210	5,209.99154	0.00000162
		58	5290	5,289.99247	0.00000142
	3.6V	106	5530	5,530.00518	-0.00000094
		122	5610	5,610.00654	-0.00000117
L		138	5690	5,690.00953	-0.00000168
-10		155	5775	5,775.00993	-0.00000172
		42	5210	5,210.00148	-0.00000028
		58	5290	5,290.00605	-0.00000114
	3V	106	5530	5,529.99999	0.00000000
		122	5610	5,610.00758	-0.00000135
		138	5690	5,690.00751	-0.00000132
		155	5775	5,774.99429	0.00000099
		42	5210	5,210.00473	-0.00000091
		58	5290	5,290.00524	-0.00000099
25	3.3V	106	5530	5,530.00411	-0.00000074
		122	5610	5,609.99304	0.00000124
		138	5690	5,690.00529	-0.00000093
		155	5775	5,774.99100	0.00000156
		42	5210	5,209.99848	0.00000029
		58	5290	5,290.00576	-0.00000109
	3.6V	106	5530	5,530.00023	-0.00000004
		122	5610	5,609.99367	0.00000113
		138	5690	5,689.99451	0.00000097
55		155	5775	5,774.99506	0.00000086
		42	5210	5,209.99490	0.00000098
		58	5290	5,290.00604	-0.00000114
	3V	106	5530	5,530.00952	-0.00000172
		122	5610	5,609.99744	0.0000046
		138	5690	5,689.99799	0.00000035
		155	5775	5,774.99101	0.00000156

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2 Minutes:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

			Measured	Spectrum	45
Test Temp.	Test Voltage	Channel	Frequency	Frequency	ΔFrequency
			(MHz)	(MHz)	(MHz)
		36	5180	5,180.00091	-0.00000018
		44	5220	5,219.99672	0.00000063
		48	5240	5,240.00219	-0.00000042
		52	5260	5,259.99780	0.00000042
		60	5300	5,299.99383	0.00000116
	3.6V	64	5320	5,320.00783	-0.00000147
		100	5500	5,499.99781	0.00000040
		116	5580	5,580.00543	-0.00000097
		140	5700	5,700.00508	-0.00000089
		144	5720	5,719.99490	0.00000089
		149	5745	5,745.00657	-0.00000114
		157	5785	5,785.00166	-0.00000029
		165	5825	5,824.99439	0.00000096
-10		36	5180	5,180.00264	-0.00000051
		44	5220	5,220.00586	-0.00000112
		48	5240	5,240.00062	-0.00000012
		52	5260	5,260.00962	-0.00000183
		60	5300	5,300.00488	-0.00000092
	3V	64	5320	5,320.00892	-0.00000168
		100	5500	5,500.00751	-0.00000137
		116	5580	5,579.99087	0.00000164
		140	5700	5,699.99240	0.00000133
		144	5720	5,719.99428	0.00000100
		149	5745	5,745.00714	-0.00000124
		157	5785	5,785.00754	-0.00000130
		165	5825	5,825.00463	-0.00000079

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	1	36	E100	E 100 00007	0.00000100
			5180	5,180.00987	-0.00000190
		44	5220	5,219.99471	0.00000101
		48	5240	5,240.00905	-0.00000173
		52	5260	5,260.00636	-0.00000121
		60	5300	5,299.99408	0.00000112
25	3.3V	64	5320	5,319.99953	0.00000009
		100	5500	5,499.99415	0.00000106
		116	5580	5,580.00870	-0.00000156
		140	5700	5,699.99853	0.00000026
		144	5720	5,719.99480	0.00000091
		149	5745	5,745.00808	-0.00000141
		157	5785	5,785.00008	-0.00000001
		165	5825	5,825.00665	-0.00000114
		36	5180	5,180.00763	-0.00000147
		44	5220	5,219.99909	0.0000017
		48	5240	5,240.00481	-0.00000092
		52	5260	5,260.00878	-0.00000167
		60	5300	5,299.99600	0.00000076
		64	5320	5,320.00782	-0.00000147
	3.6V	100	5500	5,500.00932	-0.00000169
		116	5580	5,580.00466	-0.00000083
		140	5700	5,700.00048	-0.00000008
		144	5720	5,720.00916	-0.00000160
		149	5745	5,745.00638	-0.00000111
		157	5785	5,784.99193	0.00000139
		165	5825	5,824.99682	0.00000055
55		36	5180	5,180.00561	-0.00000108
		44	5220	5,220.00119	-0.00000023
		48	5240	5,239.99910	0.00000017
		52	5260	5,259.99666	0.00000063
		60	5300	5,299.99488	0.00000097
	3V	64	5320	5,320.00775	-0.00000146
		100	5500	5,499.99492	0.00000092
		116	5580	5,580.00382	-0.00000068
		140	5700	5,700.00350	-0.00000061
		144	5720	5,719.99978	0.00000004
		149	5745	5,745.00976	-0.00000170
		157	5785	5,785.00389	-0.00000067
		165	5825	5,824.99842	0.0000027

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Operation Mode	802.11 n_HT40	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,189.99096	0.00000174
		46	5230	5,229.99558	0.00000085
		54	5270	5,270.00035	-0.00000007
		62	5310	5,309.99735	0.00000050
	3.6V	102	5510	5,509.99882	0.00000021
		110	5550	5,549.99232	0.00000138
		134	5670	5,670.00939	-0.00000166
		142	5710	5,710.00664	-0.00000116
		151	5755	5,755.00802	-0.00000139
-10		159	5795	5,795.00912	-0.00000157
		38	5190	5,190.00019	-0.00000004
		46	5230	5,230.00638	-0.00000122
		54	5270	5,269.99068	0.00000177
		62	5310	5,310.00352	-0.00000066
	3V	102	5510	5,509.99374	0.00000114
		110	5550	5,549.99837	0.0000029
		134	5670	5,669.99782	0.0000038
		142	5710	5,709.99303	0.00000122
		151	5755	5,754.99198	0.00000139
		159	5795	5,795.00602	-0.00000104

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	1	T 00		F 100 00700	0.0000150
		38	5190	5,190.00789	-0.00000152
		46	5230	5,229.99084	0.00000175
		54	5270	5,269.99346	0.00000124
		62	5310	5,310.00567	-0.00000107
25	3.3V	102	5510	5,510.00058	-0.00000010
		110	5550	5,550.00102	-0.00000018
		134	5670	5,669.99944	0.00000010
		142	5710	5,710.00593	-0.00000104
		151	5755	5,754.99803	0.00000034
		159	5795	5,794.99983	0.00000003
		38	5190	5,190.00504	-0.00000097
		46	5230	5,229.99271	0.00000139
		54	5270	5,270.00628	-0.00000119
		62	5310	5,310.00027	-0.00000005
	3.6V	102	5510	5,510.00248	-0.00000045
		110	5550	5,549.99139	0.00000155
		134	5670	5,670.00183	-0.00000032
		142	5710	5,709.99122	0.00000154
		151	5755	5,754.99514	0.00000084
		159	5795	5,794.99291	0.00000122
55		38	5190	5,190.00014	-0.00000003
		46	5230	5,229.99537	0.00000089
		54	5270	5,270.00900	-0.00000171
		62	5310	5,309.99775	0.00000042
	3V	102	5510	5,509.99868	0.0000024
		110	5550	5,550.00371	-0.00000067
		134	5670	5,669.99361	0.00000113
		142	5710	5,710.00093	-0.00000016
		151	5755	5,754.99164	0.00000145
		159	5795	5,794.99384	0.0000106

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		42	5210	5,209.99472	0.00000101
		58	5290	5,289.99608	0.00000074
	3.6V	106	5530	5,529.99789	0.0000038
		122	5610	5,609.99339	0.00000118
		138	5690	5,690.00475	-0.00000084
-10		155	5775	5,775.00601	-0.00000104
		42	5210	5,209.99283	0.00000138
		58	5290	5,289.99224	0.00000147
	3V	106	5530	5,530.00854	-0.00000154
		122	5610	5,610.00719	-0.00000128
		138	5690	5,690.00225	-0.00000040
		155	5775	5,775.00509	-0.00000088
		42	5210	5,209.99911	0.0000017
		58	5290	5,290.00522	-0.00000099
25	3.3V	106	5530	5,530.00465	-0.00000084
		122	5610	5,610.00970	-0.00000173
		138	5690	5,690.00277	-0.00000049
		155	5775	5,774.99254	0.00000129
		42	5210	5,210.00853	-0.00000164
		58	5290	5,290.00608	-0.00000115
	3.6V	106	5530	5,529.99695	0.00000055
		122	5610	5,610.00785	-0.00000140
		138	5690	5,690.00954	-0.00000168
55		155	5775	5,775.00657	-0.00000114
		42	5210	5,209.99873	0.00000024
		58	5290	5,290.00731	-0.00000138
	3V	106	5530	5,529.99944	0.0000010
		122	5610	5,609.99539	0.00000082
		138	5690	5,690.00597	-0.00000105
		155	5775	5,774.99405	0.00000103

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5 Minutes:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

			Measured	Spectrum	45
Test Temp.	Test Voltage	Channel	Frequency	Frequency	ΔFrequency
			(MHz)	(MHz)	(MHz)
		36	5180	5,179.99137	0.00000167
		44	5220	5,220.00751	-0.00000144
		48	5240	5,240.00601	-0.00000115
		52	5260	5,260.00886	-0.00000168
		60	5300	5,299.99699	0.00000057
	3.6V	64	5320	5,319.99024	0.00000184
		100	5500	5,499.99736	0.00000048
		116	5580	5,579.99789	0.0000038
		140	5700	5,699.99979	0.00000004
		144	5720	5,720.00539	-0.00000094
		149	5745	5,744.99421	0.00000101
		157	5785	5,785.00816	-0.00000141
		165	5825	5,825.00468	-0.00000080
-10		36	5180	5,179.99981	0.00000004
		44	5220	5,219.99854	0.00000028
		48	5240	5,240.00794	-0.00000151
		52	5260	5,260.00175	-0.00000033
		60	5300	5,300.00768	-0.00000145
	3V	64	5320	5,320.00093	-0.00000017
		100	5500	5,500.00176	-0.00000032
		116	5580	5,580.00846	-0.00000152
		140	5700	5,700.00576	-0.00000101
		144	5720	5,720.00497	-0.00000087
		149	5745	5,744.99619	0.00000066
		157	5785	5,784.99404	0.00000103
		165	5825	5,824.99334	0.00000114

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36			T		Т	
A8			36	5180	5,180.00214	-0.00000041
S2					·	
Sample					5,240.00504	-0.00000096
3.3V			52	5260	5,259.99509	0.00000093
100 5500 5,500.00748 -0.00000136 116 5580 5,580.00363 -0.0000065 140 5700 5,700.00216 -0.0000038 144 5720 5,719.99629 0.00000065 149 5745 5,745.00273 -0.0000007 157 5785 5,785.00778 -0.00000134 165 5825 5,824.99637 0.00000045 44 5220 5,220.00236 -0.00000134 44 5220 5,220.00236 -0.0000045 48 5240 5,240.00243 -0.0000046 52 5260 5,260.00494 -0.0000094 60 5300 5,299.99632 0.00000069 64 5320 5,320.00822 -0.0000015 116 5580 5,579.99214 0.00000141 140 5700 5,700.00332 -0.00000141 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000024 149 5745 5,745.00390 -0.000000163 144 5220 5,219.99160 0.00000167 48 5240 5,239.99007 0.00000163 48 5240 5,239.99007 0.00000163 48 5240 5,239.99007 0.00000164 48 5240 5,239.99007 0.00000167 48 5240 5,239.99007 0.00000168 60 5300 5,299.99108 0.00000168 60 5300 5,299.99108 0.00000168 60 5300 5,299.99108 0.00000168 60 5300 5,299.99108 0.00000168 60 5500 5,699.99821 0.000000168 116 5580 5,580.00956 0.00000161 116 5580 5,580.00956 0.00000161 116 5580 5,580.00956 0.00000161 116 5580 5,580.00956 0.000000161 116 5580 5,749.99362 0.000000161 116 5580 5,749.99362 0.000000161 116 5580 5,749.999362 0.000000161 116 5580 5,749.999362 0.000000161 116 5580 5,749.999362 0.000000161 116 5580 5,749.999362 0.0000000161 116 5580 5,749.999362 0.0000000171 127 5785 5,744.99774 0.00000039 128 5785 5,744.99774 0.00000039 129 5785 5,784.99063 0.000000162			60	5300	5,300.00023	-0.00000004
116 5580 5,580.00363 -0.00000065 140 5700 5,700.00216 -0.0000038 144 5720 5,719.99629 0.00000065 149 5745 5,745.00273 -0.00000047 157 5785 5,785.00778 -0.00000134 165 5825 5,824.99637 -0.00000045 44 5220 5,220.00236 -0.0000014 48 5240 5,240.00243 -0.00000046 52 5260 5,260.00494 -0.00000094 60 5300 5,299.99632 -0.00000069 64 5320 5,320.00822 -0.0000072 116 5580 5,579.99214 -0.00000072 116 5580 5,579.99214 -0.00000072 116 5580 5,780.00392 -0.00000072 1140 5700 5,700.00332 -0.00000014 140 5700 5,700.00332 -0.00000014 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000014 140 5700 5,000.0030 -0.00000014 140 5700 5,700.00332 -0.00000014 140 5700 5,700.00332 -0.00000014 140 5700 5,700.00332 -0.00000014 140 5700 5,700.00332 -0.00000014 140 5700 5,749.99136 -0.00000014 140 5700 5,219.99160 -0.00000016 148 5220 5,219.99160 -0.00000161 148 5220 5,219.99160 -0.00000161 148 5220 5,219.99160 -0.00000161 148 5220 5,239.99007 -0.00000016 148 5220 5,239.99007 -0.00000016 148 5220 5,239.99007 -0.00000016 148 5220 5,339.99915 -0.00000016 148 5220 5,399.99108 -0.00000161 140 5700 5,699.99821 -0.000000161 140 5700 5,699.99821 -0.000000171 140 5700 5,699.99821 -0.000000171 140 5700 5,699.99821 -0.000000161 144 5720 5,720.00964 -0.000000161 149 5745 5,744.99774 -0.00000039 157 5785 5,784.99063 -0.000000162	25	3.3V	64	5320	5,320.00597	-0.00000112
140			100	5500	5,500.00748	-0.00000136
144 5720 5,719,99629 0.00000065 149 5745 5,745.00273 -0.0000047 157 5785 5,785.00778 -0.00000134 165 5825 5,824.99637 0.0000062 36 5180 5,180.00693 -0.00000145 44 5220 5,220.00236 -0.0000045 48 5240 5,240.00243 -0.00000046 52 5260 5,260.00494 -0.00000069 64 5320 5,299.99632 0.0000069 64 5320 5,200.0822 -0.0000015 3.6V 100 5500 5,500.00396 -0.0000072 116 5580 5,579.99214 0.00000072 116 5580 5,579.99214 0.00000072 116 5580 5,700.00832 -0.0000014 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000024 149 5745 5,745.00390 -0.00000016 157 5785 5,824.99283 0.00000163 165 5825 5,824.99283 0.00000167 44 5220 5,219.99160 0.00000167 44 5220 5,219.99160 0.00000167 48 5240 5,239.99007 0.00000161 48 5240 5,239.99007 0.00000161 48 5240 5,239.99007 0.00000161 100 5500 5,499.99362 0.00000161 116 5580 5,260.00253 -0.00000016 110 5500 5,499.99362 0.00000161 110 5500 5,499.99362 0.00000161 110 5700 5,699.99821 0.000000161 1140 5700 5,699.99821 0.000000161 1140 5700 5,699.99821 0.000000161 1140 5700 5,699.99821 0.000000161 1140 5700 5,699.99821 0.000000161 1140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			116	5580	5,580.00363	-0.00000065
149			140	5700	5,700.00216	-0.00000038
157 5785 5,785.00778 -0.00000134 165 5825 5,824.99637 0.00000062 36 5180 5,180.00693 -0.00000134 44 5220 5,220.00236 -0.00000045 48 5240 5,240.00243 -0.00000046 52 5260 5,260.00494 -0.00000094 60 5300 5,299.99632 0.00000069 64 5320 5,320.00822 -0.00000155 116 5580 5,579.99214 0.00000141 140 5700 5,700.00832 -0.00000146 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.000000163 157 5785 5,785.00190 -0.000000163 144 520 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000161 48 5240 5,239.99007 0.00000161 48 5240 5,239.99007 0.000000161 48 5240 5,239.99007 0.000000161 48 5240 5,239.99007 0.000000161 48 5240 5,239.99007 0.000000161 48 5240 5,239.99007 0.000000161 49 5745 5,749.99362 0.00000168 100 5500 5,499.99362 0.00000161 100 5500 5,499.99362 0.00000161 100 5500 5,499.99362 0.00000161 100 5500 5,580.00956 -0.00000171 140 5700 5,699.99821 0.000000161 144 5720 5,720.0064 -0.00000161 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			144	5720	5,719.99629	0.00000065
165 5825 5,824.99637 0.00000062 36			149	5745	5,745.00273	-0.00000047
36			157	5785	5,785.00778	-0.00000134
44 5220 5,220.00236 -0.00000045 48 5240 5,240.00243 -0.00000046 52 5260 5,260.00494 -0.00000094 60 5300 5,299.99632 0.00000069 64 5320 5,320.00822 -0.00000155 116 5580 5,579.99214 0.0000014 140 5700 5,700.00832 -0.0000014 144 5720 5,720.00139 -0.0000014 149 5745 5,745.00390 -0.00000018 157 5785 5,824.99283 0.00000167 44 5220 5,219.99160 0.00000167 48 5240 5,239.9907 0.0000018 49 5745 5,260.00253 -0.0000018 40 5300 5,299.99108 0.0000016 100 5500 5,499.99362 0.0000016 100 5500 5,499.99362 0.0000017 140 5700 5,699.99821 0.00000018 144 5720 5,720.00964 -0.0000031 144 5720 5,720.00964 -0.00000018 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			165	5825	5,824.99637	0.00000062
A8			36	5180	5,180.00693	-0.00000134
52 5260 5,260.00494 -0.00000094 60 5300 5,299.99632 0.00000069 64 5320 5,320.00822 -0.00000155 110 5500 5,500.00396 -0.00000141 140 5700 5,700.00832 -0.0000146 144 5720 5,720.00139 -0.0000024 149 5745 5,745.00390 -0.0000018 157 5785 5,824.99283 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000161 48 5240 5,239.99007 0.0000018 3V 64 5320 5,319.9915 0.0000016 100 5500 5,499.99362 0.0000016 116 5580 5,580.00956 -0.0000016 116 5580 5,580.00956 -0.0000017 140 5700 5,699.99821 0.0000017 140 5700 5,699.99821 0.00000018 144 5720 5,720.00964 -0.0000018 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			44	5220	5,220.00236	-0.00000045
55 60			48	5240	5,240.00243	-0.00000046
55 64 5320 5,320.00822 -0.00000155 1100 5500 5,500.00396 -0.0000072 116 5580 5,579.99214 0.00000141 140 5700 5,700.00832 -0.00000146 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000068 157 5785 5,785.00190 -0.000000183 165 5825 5,824.99283 0.00000123 165 5825 5,824.99283 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000161 48 5240 5,239.99007 0.00000168 60 5300 5,299.99108 0.00000168 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000018 144 5720 5,720.00964 -0.00000168 149 5745 5,784.99063 0.00000162			52	5260	5,260.00494	-0.00000094
3.6V			60	5300	5,299.99632	0.00000069
5580 5,579,99214 0.00000141 140 5700 5,700.00832 -0.00000146 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000033 165 5825 5,785.00190 -0.00000123 36 5180 5,179.99136 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000190 52 5260 5,260.00253 -0.0000016 60 5300 5,299.99108 0.0000016 100 5500 5,499.99362 0.0000016 116 5580 5,580.00956 -0.0000017 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.0000018 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			64	5320	5,320.00822	-0.00000155
5700 5,700.00832 -0.00000146 144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000068 157 5785 5,785.00190 -0.00000033 165 5825 5,824.99283 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000190 52 5260 5,260.00253 -0.00000016 60 5300 5,299.99108 0.00000016 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000018 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162		3.6V	100	5500	5,500.00396	-0.00000072
144 5720 5,720.00139 -0.00000024 149 5745 5,745.00390 -0.00000068 157 5785 5,785.00190 -0.00000033 165 5825 5,824.99283 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000190 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.00000168 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.000000168 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			116	5580	5,579.99214	0.00000141
149 5745 5,745.00390 -0.00000068 157 5785 5,785.00190 -0.00000033 165 5825 5,824.99283 0.00000123 36 5180 5,179.99136 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.000000190 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.00000016 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000018 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.9963 0.00000162			140	5700	5,700.00832	-0.00000146
157 5785 5,785.00190 -0.00000033 165 5825 5,824.99283 0.00000123 36 5180 5,179.99136 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.000000180 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.00000016 100 5500 5,499.99362 0.00000016 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000018 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			144	5720	5,720.00139	-0.00000024
55 36 5180 5,179.99136 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.00000190 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.00000168 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.000000168 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			149	5745	5,745.00390	-0.00000068
36 5180 5,179.99136 0.00000167 44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.000000190 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.000000168 100 5500 5,499.99362 0.00000016 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			157	5785	5,785.00190	-0.00000033
44 5220 5,219.99160 0.00000161 48 5240 5,239.99007 0.000000190 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.000000168 100 5500 5,499.99362 0.000000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			165	5825	5,824.99283	0.00000123
48 5240 5,239.99007 0.000000190 52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.000000168 3V 64 5320 5,319.99915 0.00000016 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162	55		36	5180	5,179.99136	0.00000167
52 5260 5,260.00253 -0.00000048 60 5300 5,299.99108 0.00000168 3V 64 5320 5,319.99915 0.00000016 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.000000162			44	5220	5,219.99160	0.00000161
3V 60 5300 5,299.99108 0.00000168 64 5320 5,319.99915 0.00000016 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			48	5240	5,239.99007	0.00000190
3V 64 5320 5,319.99915 0.00000016 100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			52	5260	5,260.00253	-0.00000048
100 5500 5,499.99362 0.00000116 116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			60	5300	5,299.99108	0.00000168
116 5580 5,580.00956 -0.00000171 140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.000000162		3V	64	5320	5,319.99915	0.00000016
140 5700 5,699.99821 0.00000031 144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			100	5500	5,499.99362	0.00000116
144 5720 5,720.00964 -0.00000168 149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			116	5580	5,580.00956	-0.00000171
149 5745 5,744.99774 0.00000039 157 5785 5,784.99063 0.00000162			140	5700	5,699.99821	0.00000031
157 5785 5,784.99063 0.00000162			144	5720	5,720.00964	-0.00000168
			149	5745	5,744.99774	0.00000039
165 5825 5,824.99022 0.00000168			157	5785	5,784.99063	0.00000162
			165	5825	5,824.99022	0.00000168

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

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Operation Mode	802.11 n_HT40	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,189.99026	0.00000188
		46	5230	5,229.99575	0.00000081
		54	5270	5,270.00454	-0.00000086
		62	5310	5,310.00471	-0.00000089
	3.6V	102	5510	5,509.99810	0.00000035
		110	5550	5,550.00217	-0.00000039
		134	5670	5,670.00924	-0.00000163
		142	5710	5,709.99433	0.00000099
		151	5755	5,755.00080	-0.00000014
-10		159	5795	5,794.99787	0.00000037
		38	5190	5,190.00090	-0.00000017
		46	5230	5,230.00136	-0.00000026
		54	5270	5,269.99082	0.00000174
		62	5310	5,310.00160	-0.00000030
	3V	102	5510	5,509.99022	0.00000178
		110	5550	5,549.99597	0.00000073
		134	5670	5,669.99235	0.00000135
		142	5710	5,709.99369	0.00000111
		151	5755	5,754.99904	0.0000017
		159	5795	5,795.00295	-0.00000051

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		1 00		F 100 00/11	
		38	5190	5,190.00611	-0.00000118
		46	5230	5,229.99805	0.00000037
		54	5270	5,269.99279	0.00000137
		62	5310	5,309.99263	0.00000139
25	3.3V	102	5510	5,510.00677	-0.00000123
		110	5550	5,549.99981	0.00000003
		134	5670	5,670.00940	-0.00000166
		142	5710	5,710.00014	-0.00000002
		151	5755	5,754.99259	0.00000129
		159	5795	5,794.99177	0.00000142
		38	5190	5,189.99838	0.00000031
		46	5230	5,229.99496	0.00000096
		54	5270	5,270.00299	-0.0000057
		62	5310	5,310.00644	-0.00000121
	3.6V	102	5510	5,509.99085	0.00000166
		110	5550	5,549.99083	0.00000165
		134	5670	5,670.00756	-0.00000133
		142	5710	5,710.00670	-0.00000117
		151	5755	5,755.00951	-0.00000165
		159	5795	5,794.99615	0.00000066
55		38	5190	5,189.99566	0.0000084
		46	5230	5,229.99708	0.00000056
		54	5270	5,270.00853	-0.00000162
		62	5310	5,310.00442	-0.00000083
	3 V	102	5510	5,509.99436	0.00000102
		110	5550	5,550.00981	-0.00000177
		134	5670	5,669.99869	0.00000023
		142	5710	5,710.00555	-0.00000097
		151	5755	5,754.99530	0.00000082
		159	5795	5,795.00696	-0.00000120

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		42	5210	5,209.99131	0.00000167
		58	5290	5,289.99580	0.00000079
	3.6V	106	5530	5,529.99181	0.00000148
		122	5610	5,609.99889	0.00000020
		138	5690	5,689.99227	0.00000136
-10		155	5775	5,774.99450	0.00000095
		42	5210	5,209.99238	0.00000146
		58	5290	5,290.00116	-0.00000022
	3V	106	5530	5,530.00885	-0.00000160
		122	5610	5,609.99478	0.00000093
		138	5690	5,689.99434	0.00000099
		155	5775	5,775.00434	-0.00000075
		42	5210	5,210.00160	-0.00000031
		58	5290	5,289.99718	0.00000053
25	3.3V	106	5530	5,530.00830	-0.00000150
		122	5610	5,610.00313	-0.00000056
		138	5690	5,690.00641	-0.00000113
		155	5775	5,775.00972	-0.00000168
		42	5210	5,209.99339	0.00000127
		58	5290	5,290.00834	-0.00000158
	3.6V	106	5530	5,530.00313	-0.00000057
		122	5610	5,609.99708	0.00000052
		138	5690	5,689.99816	0.00000032
55		155	5775	5,775.00901	-0.00000156
		42	5210	5,210.00979	-0.00000188
		58	5290	5,289.99030	0.00000183
	3V	106	5530	5,529.99197	0.00000145
		122	5610	5,610.00625	-0.00000111
		138	5690	5,689.99232	0.00000135
		155	5775	5,775.00298	-0.00000052

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10 Minutes:

Operation Mode	802.11 a	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

			Measured	Spectrum	45
Test Temp.	Test Voltage	Channel	Frequency	Frequency	ΔFrequency
			(MHz)	(MHz)	(MHz)
		36	5180	5,180.00057	-0.00000011
		44	5220	5,220.00252	-0.00000048
		48	5240	5,240.00591	-0.00000113
		52	5260	5,260.00437	-0.00000083
		60	5300	5,300.00994	-0.00000188
	3.6V	64	5320	5,320.00948	-0.00000178
		100	5500	5,499.99481	0.00000094
		116	5580	5,579.99487	0.00000092
		140	5700	5,699.99700	0.00000053
		144	5720	5,719.99783	0.00000038
		149	5745	5,744.99263	0.00000128
		157	5785	5,784.99349	0.00000113
		165	5825	5,825.00954	-0.00000164
-10		36	5180	5,180.00861	-0.00000166
		44	5220	5,220.00636	-0.00000122
		48	5240	5,239.99434	0.00000108
		52	5260	5,260.00425	-0.00000081
		60	5300	5,300.00116	-0.00000022
	3V	64	5320	5,320.00832	-0.00000156
		100	5500	5,499.99717	0.0000051
		116	5580	5,579.99092	0.00000163
		140	5700	5,699.99939	0.0000011
		144	5720	5,720.00554	-0.00000097
		149	5745	5,744.99401	0.00000104
		157	5785	5,784.99661	0.00000059
		165	5825	5,824.99911	0.00000015

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		T	1	1	· · · · · · · · · · · · · · · · · · ·
		36	5180	5,179.99318	0.00000132
		44	5220	5,220.00147	-0.00000028
		48	5240	5,239.99855	0.00000028
		52	5260	5,260.00347	-0.00000066
		60	5300	5,300.00337	-0.00000064
25	3.3V	64	5320	5,320.00150	-0.00000028
		100	5500	5,499.99986	0.00000003
		116	5580	5,579.99992	0.00000001
		140	5700	5,700.00983	-0.00000172
		144	5720	5,719.99702	0.00000052
		149	5745	5,744.99094	0.00000158
		157	5785	5,785.00309	-0.00000053
		165	5825	5,824.99276	0.00000124
		36	5180	5,180.00595	-0.00000115
		44	5220	5,219.99612	0.0000074
		48	5240	5,239.99044	0.00000182
		52	5260	5,259.99149	0.00000162
		60	5300	5,299.99278	0.00000136
		64	5320	5,319.99881	0.00000022
	3.6V	100	5500	5,500.00742	-0.00000135
		116	5580	5,580.00038	-0.00000007
		140	5700	5,699.99650	0.00000061
		144	5720	5,720.00624	-0.00000109
		149	5745	5,744.99375	0.00000109
		157	5785	5,784.99295	0.00000122
		165	5825	5,824.99427	0.00000098
55		36	5180	5,179.99229	0.00000149
		44	5220	5,219.99192	0.00000155
		48	5240	5,239.99823	0.0000034
		52	5260	5,260.00730	-0.00000139
		60	5300	5,299.99871	0.00000024
	3V	64	5320	5,319.99059	0.00000177
		100	5500	5,500.00882	-0.00000160
		116	5580	5,580.00138	-0.00000025
		140	5700	5,699.99491	0.00000089
		144	5720	5,719.99500	0.00000087
		149	5745	5,744.99536	0.00000081
			E70E	F 704 00F44	0.00000070
		157	5785	5,784.99546	0.00000079

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Operation Mode	802.11 n_HT40	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		38	5190	5,189.99416	0.00000113
		46	5230	5,229.99695	0.00000058
		54	5270	5,270.00824	-0.00000156
		62	5310	5,310.00588	-0.00000111
	3.6V	102	5510	5,510.00591	-0.00000107
		110	5550	5,549.99649	0.00000063
		134	5670	5,670.00817	-0.00000144
		142	5710	5,709.99530	0.00000082
		151	5755	5,755.00593	-0.00000103
-10		159	5795	5,795.00364	-0.00000063
		38	5190	5,190.00648	-0.00000125
		46	5230	5,230.00096	-0.00000018
		54	5270	5,270.00496	-0.00000094
		62	5310	5,309.99825	0.00000033
	3V	102	5510	5,510.00592	-0.00000107
		110	5550	5,549.99245	0.00000136
		134	5670	5,670.00389	-0.00000069
		142	5710	5,709.99090	0.00000159
		151	5755	5,755.00590	-0.00000103
		159	5795	5,795.00100	-0.00000017

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	1				
		38	5190	5,189.99002	0.00000192
		46	5230	5,229.99671	0.00000063
		54	5270	5,270.00870	-0.00000165
		62	5310	5,310.00857	-0.00000161
25	3.3V	102	5510	5,509.99436	0.00000102
		110	5550	5,550.00313	-0.00000056
		134	5670	5,669.99102	0.00000158
		142	5710	5,710.00335	-0.00000059
		151	5755	5,754.99381	0.00000108
		159	5795	5,795.00565	-0.00000097
		38	5190	5,190.00889	-0.00000171
		46	5230	5,229.99311	0.00000132
		54	5270	5,269.99369	0.00000120
		62	5310	5,310.00581	-0.00000109
	3.6V	102	5510	5,509.99576	0.0000077
		110	5550	5,549.99024	0.00000176
		134	5670	5,670.00519	-0.00000092
		142	5710	5,710.00667	-0.00000117
		151	5755	5,755.00112	-0.00000019
		159	5795	5,795.00668	-0.00000115
55		38	5190	5,190.00716	-0.00000138
		46	5230	5,229.99587	0.0000079
		54	5270	5,269.99525	0.00000090
		62	5310	5,309.99765	0.00000044
	3V	102	5510	5,510.00837	-0.00000152
		110	5550	5,550.00744	-0.00000134
		134	5670	5,669.99605	0.0000070
		142	5710	5,710.00113	-0.00000020
		151	5755	5,755.00634	-0.00000110
		159	5795	5,794.99157	0.0000146

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Operation Mode	802.11 ac_VHT80	Test Date	2018.10.02
Temperature	:23	Test By	Gary
Humidity	:68 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		42	5210	5,209.99596	0.00000077
		58	5290	5,290.00447	-0.00000084
	3.6V	106	5530	5,530.00803	-0.00000145
		122	5610	5,610.00278	-0.00000050
		138	5690	5,689.99093	0.00000159
-10		155	5775	5,774.99703	0.00000051
		42	5210	5,210.00256	-0.00000049
		58	5290	5,290.00919	-0.00000174
	3V	106	5530	5,529.99398	0.00000109
		122	5610	5,609.99272	0.00000130
		138	5690	5,690.00359	-0.00000063
		155	5775	5,774.99947	0.00000009
		42	5210	5,209.99710	0.00000056
		58	5290	5,290.00231	-0.00000044
25	3.3V	106	5530	5,529.99910	0.00000016
		122	5610	5,609.99877	0.00000022
		138	5690	5,689.99511	0.00000086
		155	5775	5,775.00129	-0.00000022
		42	5210	5,210.00210	-0.00000040
		58	5290	5,289.99990	0.00000002
	3.6V	106	5530	5,529.99447	0.00000100
		122	5610	5,609.99488	0.00000091
		138	5690	5,689.99363	0.00000112
55		155	5775	5,775.00257	-0.00000044
		42	5210	5,209.99575	0.00000082
		58	5290	5,290.00171	-0.00000032
	3V	106	5530	5,530.00765	-0.00000138
		122	5610	5,610.00737	-0.00000131
		138	5690	5,690.00726	-0.00000128
		155	5775	5,774.99527	0.00000082

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14 ANTENNA REQUIREMENT

14.1 **Standard Applicable**

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

According to §15.407, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connected Construction 14.2

The antenna is designed with unique RF connector and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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