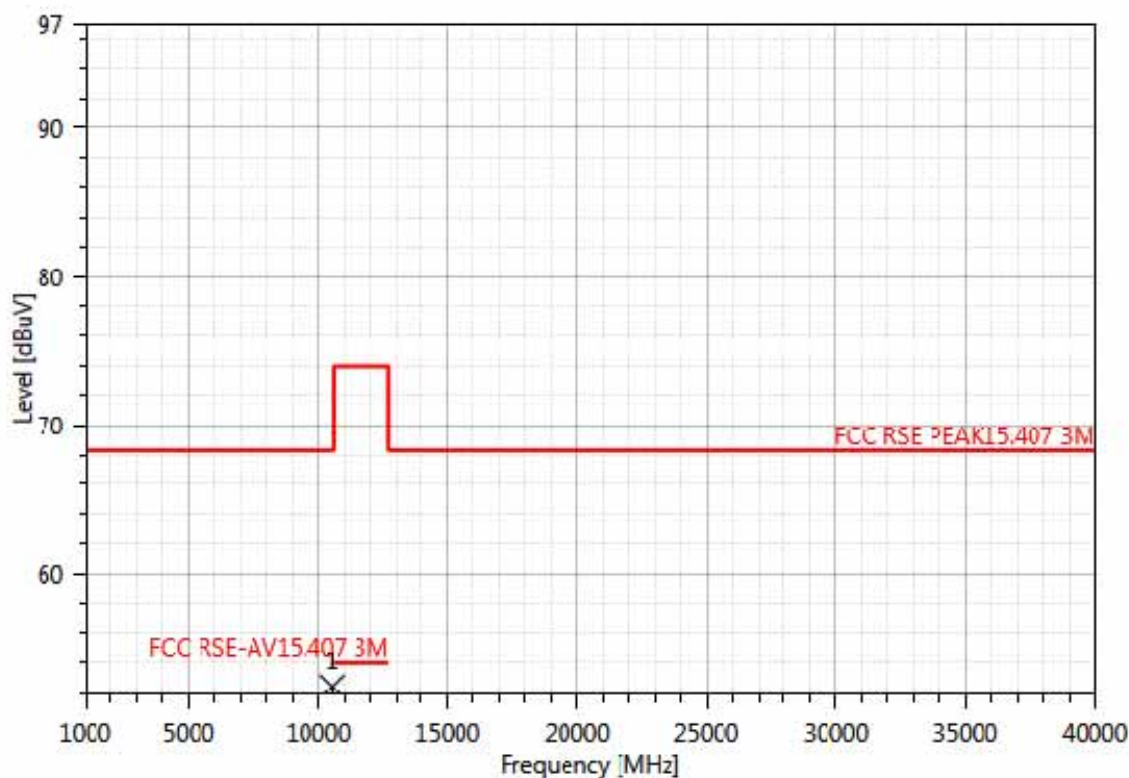


Radiated Spurious Emission Measurement Result 802.11n HT40, 5250~5350 MHz

Operation Mode :	802.11n40B2	Test Date :	08/04/2016
Fundamental Frequency :	5270 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
10540.00	H	Peak	52.40	33.23	19.17	68.30	-15.90

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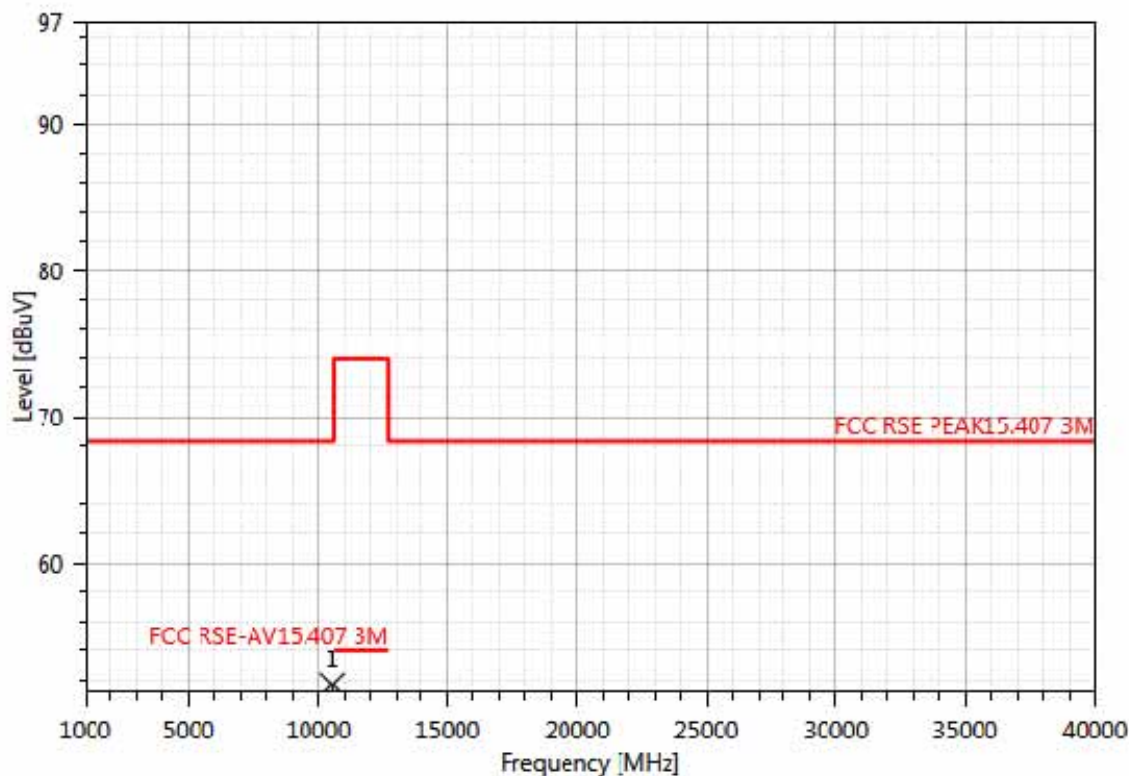
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Operation Mode :	802.11n40B2	Test Date :	08/04/2016
Fundamental Frequency :	5270 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
10540.00	H	Peak	51.68	32.51	19.17	68.30	-16.62

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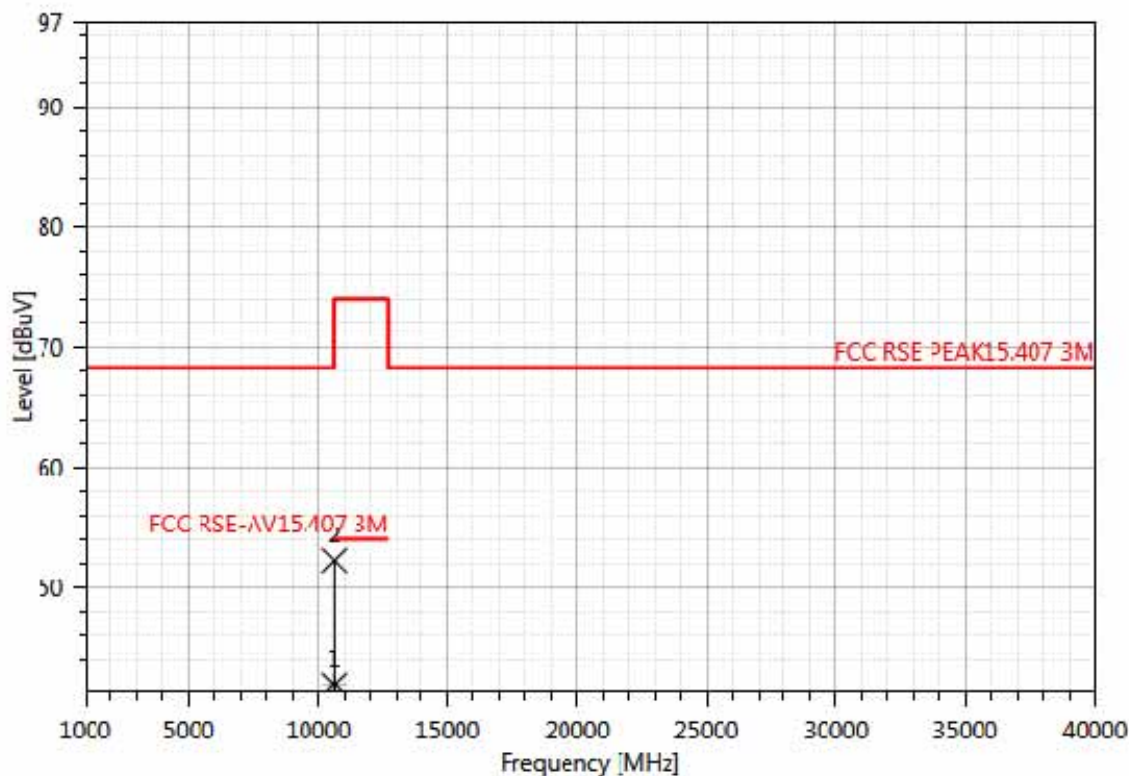
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Operation Mode :	802.11n40B2	Test Date :	08/04/2016
Fundamental Frequency :	5310 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
10620.00	H	Average	41.97	22.86	19.11	54.00	-12.03
10620.00	H	Peak	52.27	33.16	19.11	74.00	-21.73

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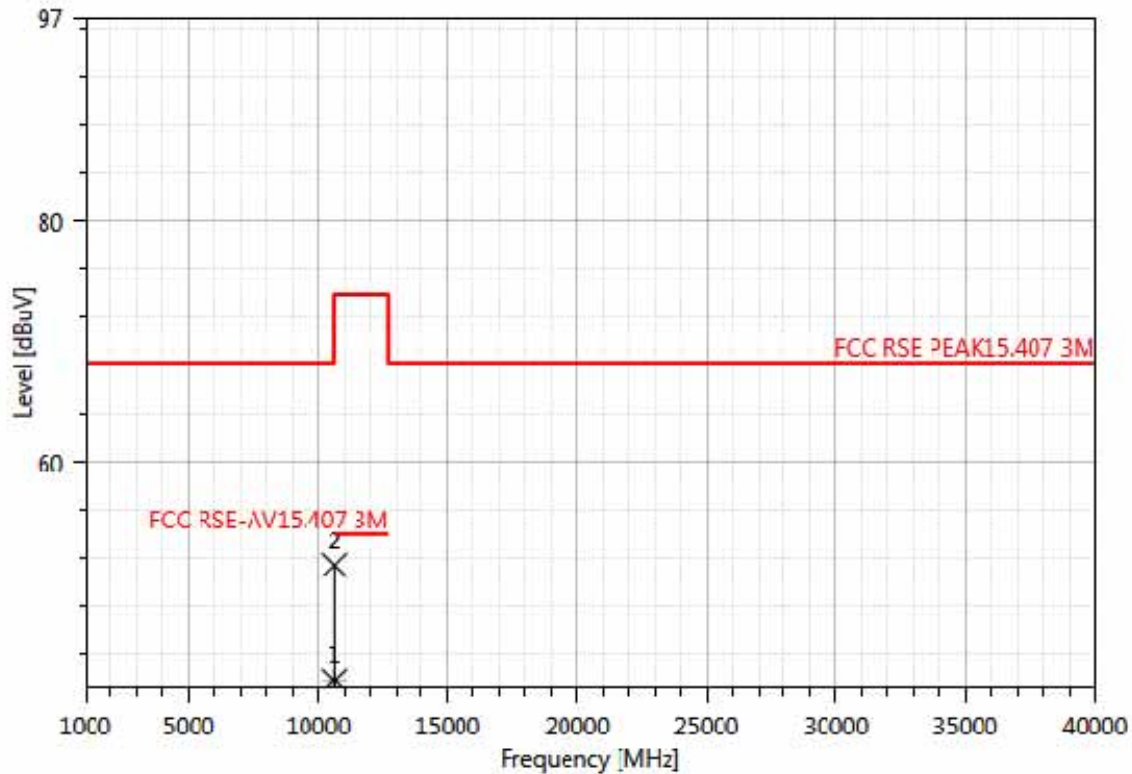
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Operation Mode :	802.11n40B2	Test Date :	08/04/2016
Fundamental Frequency :	5310 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
10620.00	H	Average	41.86	22.75	19.11	54.00	-12.14
10620.00	H	Peak	51.46	32.36	19.11	74.00	-22.54

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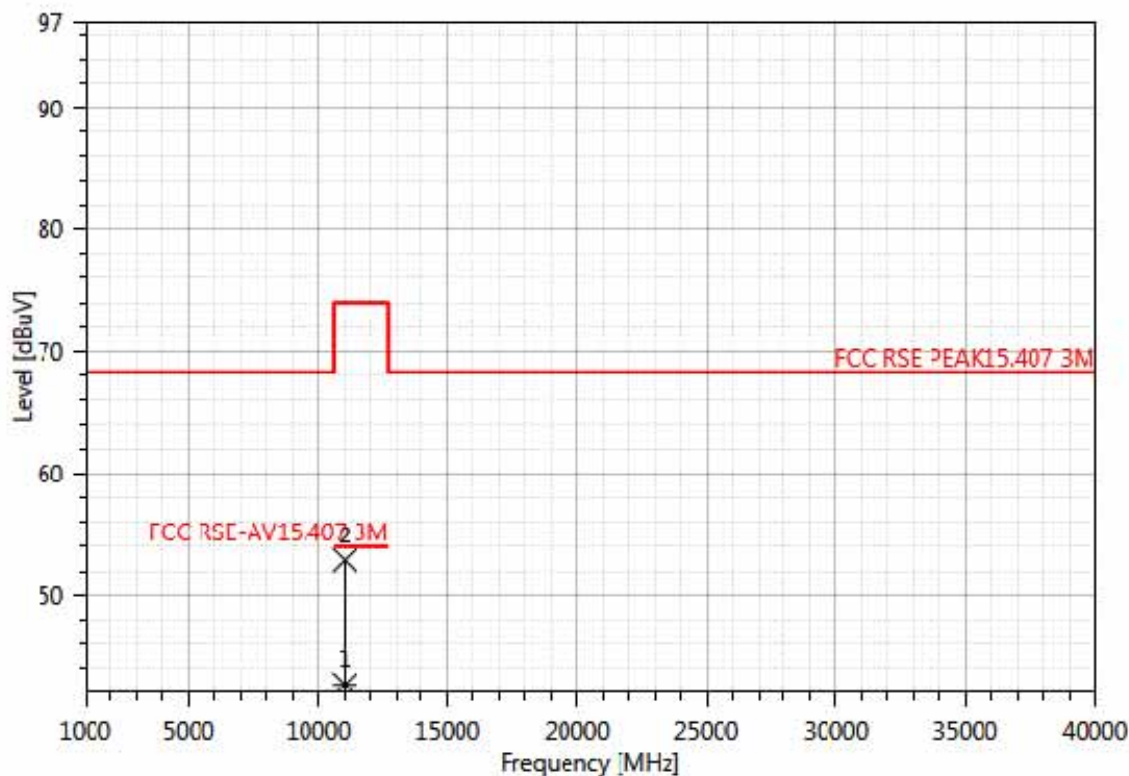
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5470~5725 MHz

Operation Mode :	802.11n40B3	Test Date :	08/04/2016
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
11020.00	H	Average	42.69	22.53	20.16	54.00	-11.31
11020.00	H	Peak	52.89	32.73	20.16	74.00	-21.11

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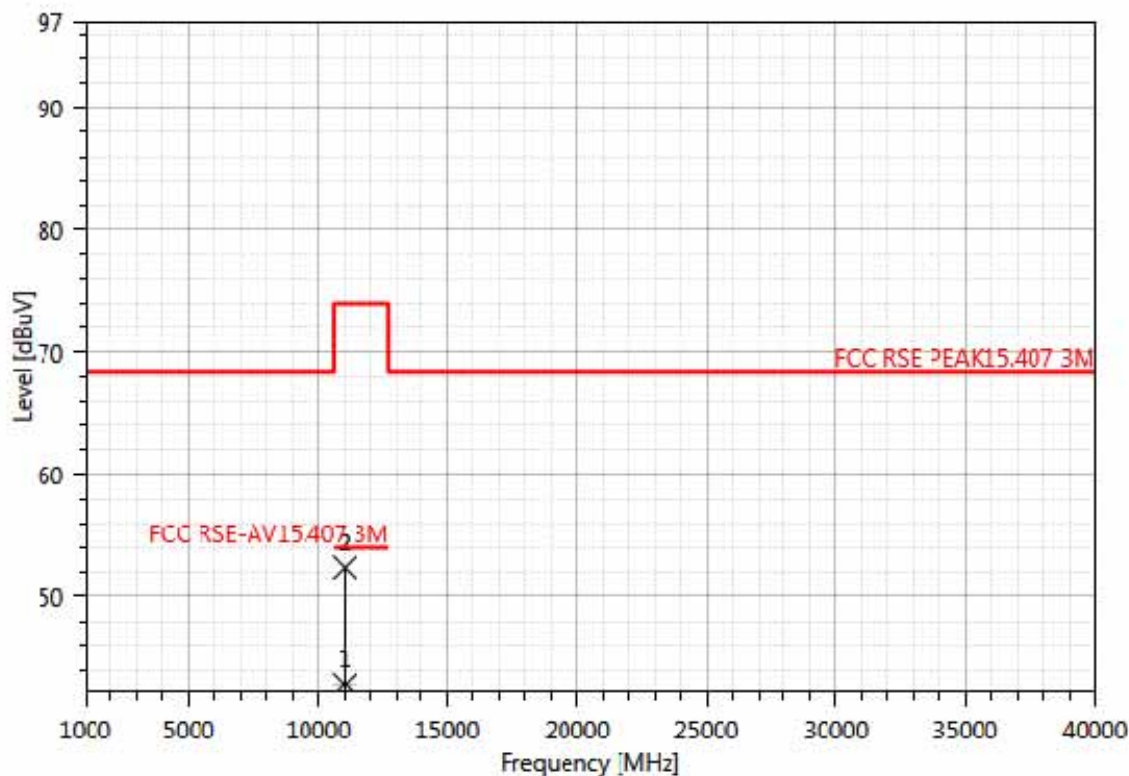
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Operation Mode :	802.11n40B3	Test Date :	08/04/2016
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
11020.00	H	Average	42.83	22.67	20.16	54.00	-11.17
11020.00	H	Peak	52.41	32.25	20.16	74.00	-21.59

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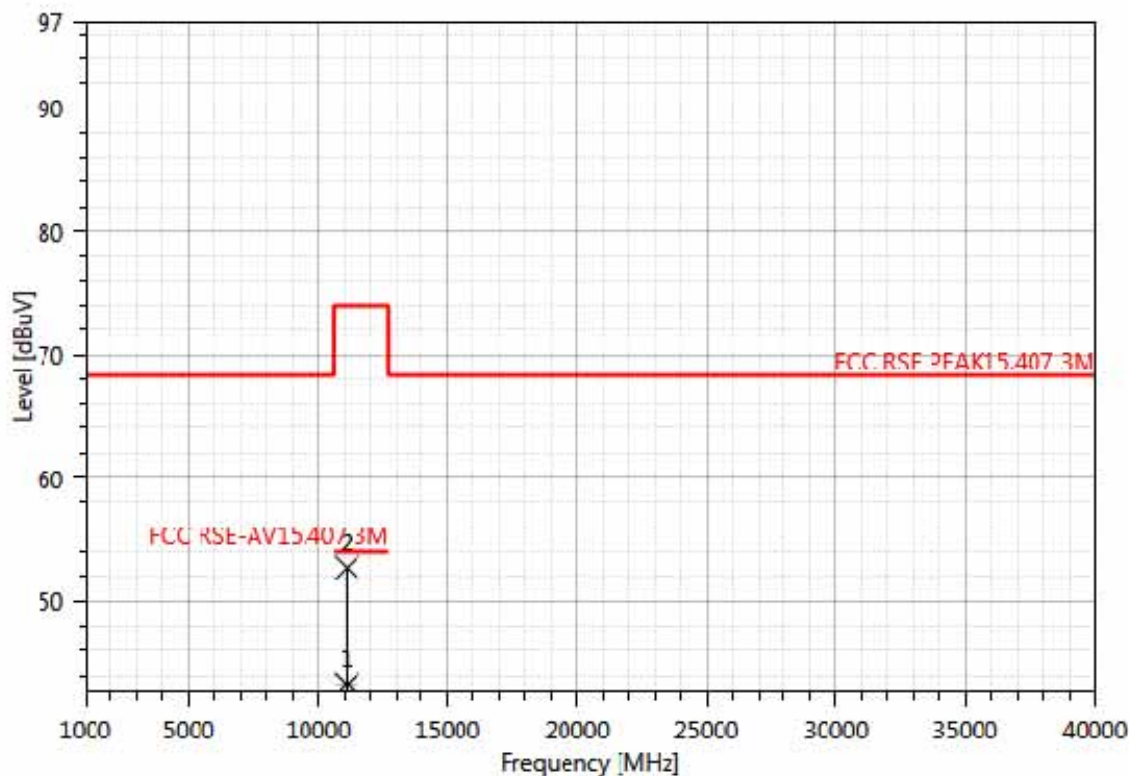
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Operation Mode :	802.11n40B3	Test Date :	08/04/2016
Fundamental Frequency :	5550 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11100.00	H	Average	43.24	22.92	20.32	54.00	-10.76
11100.00	H	Peak	52.73	32.41	20.32	74.00	-21.27

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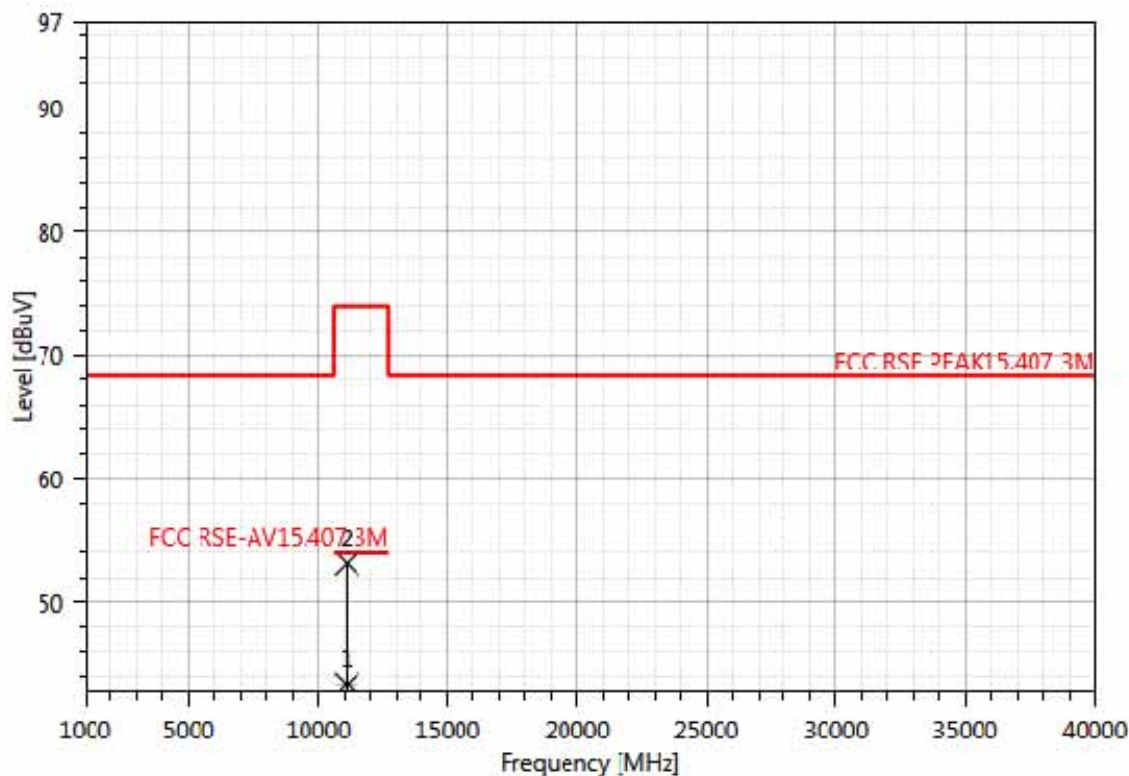
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Operation Mode :	802.11n40B3	Test Date :	08/04/2016
Fundamental Frequency :	5550 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11100.00	H	Average	43.34	23.02	20.32	54.00	-10.66
11100.00	H	Peak	53.18	32.86	20.32	74.00	-20.82

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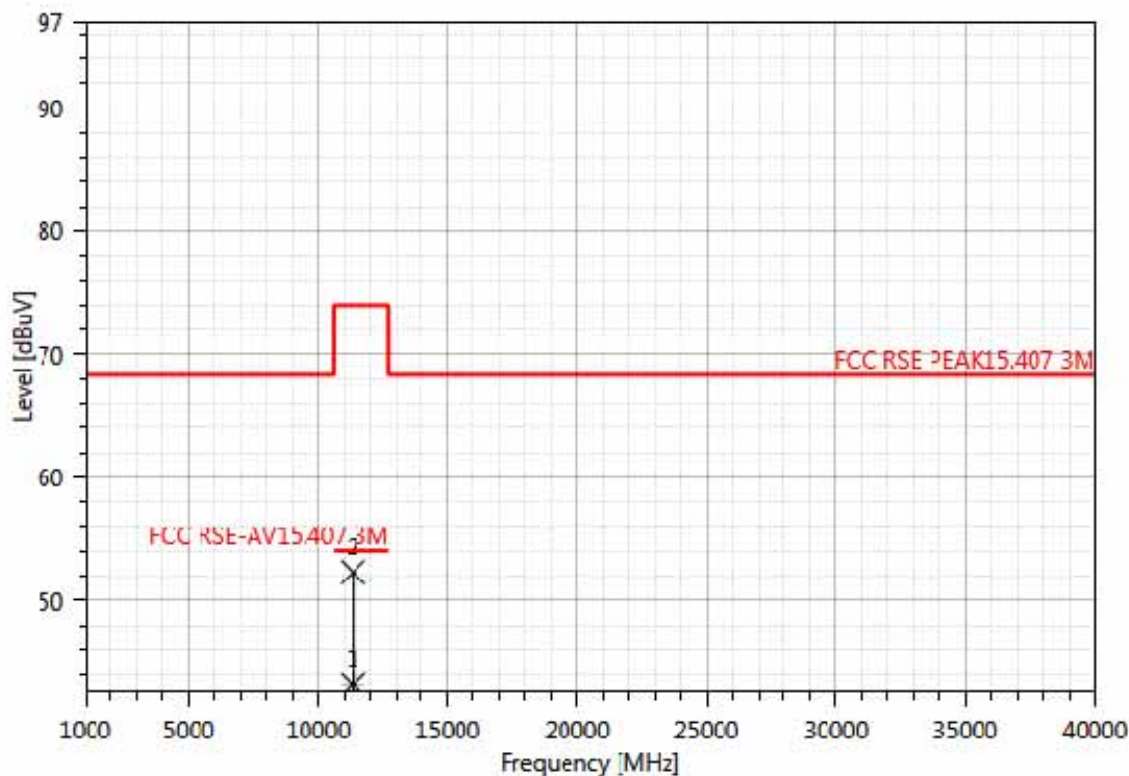
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Operation Mode :	802.11n40B3	Test Date :	08/04/2016
Fundamental Frequency :	5670 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11340.00	H	Average	43.17	22.78	20.38	54.00	-10.83
11340.00	H	Peak	52.29	31.91	20.38	74.00	-21.71

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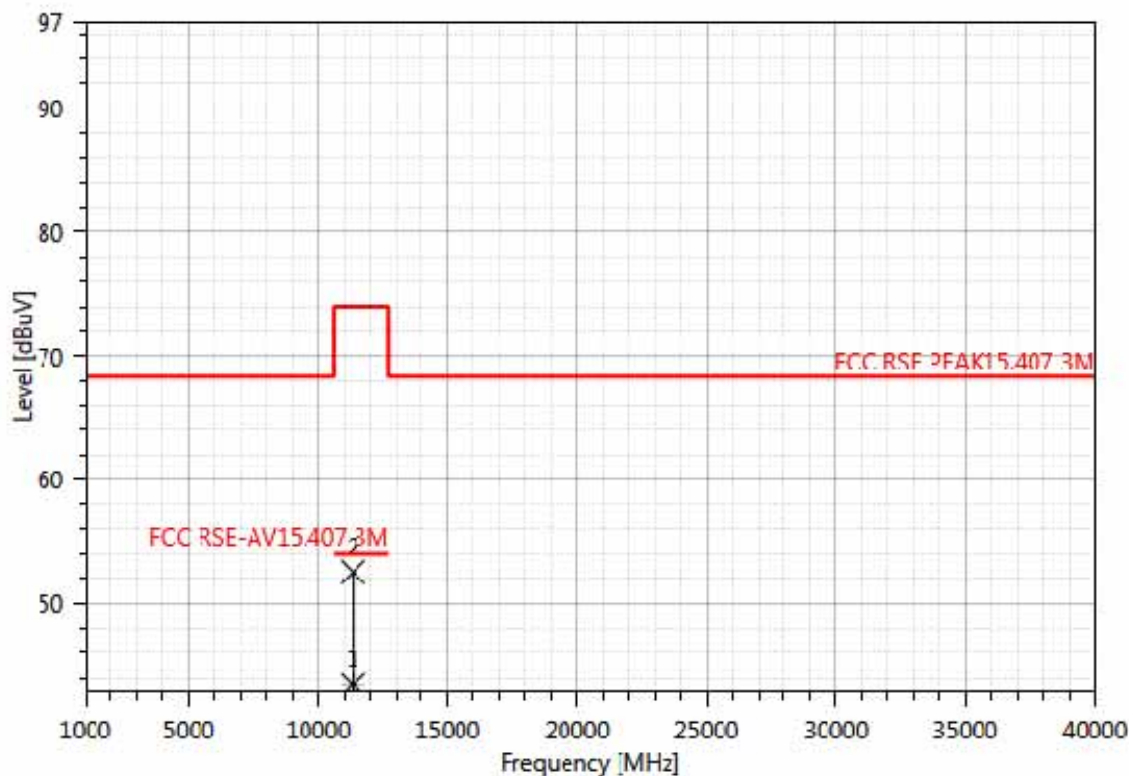
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Operation Mode :	802.11n40B3	Test Date :	08/04/2016
Fundamental Frequency :	5670 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11340.00	H	Average	43.44	23.06	20.38	54.00	-10.56
11340.00	H	Peak	52.53	32.15	20.38	74.00	-21.47

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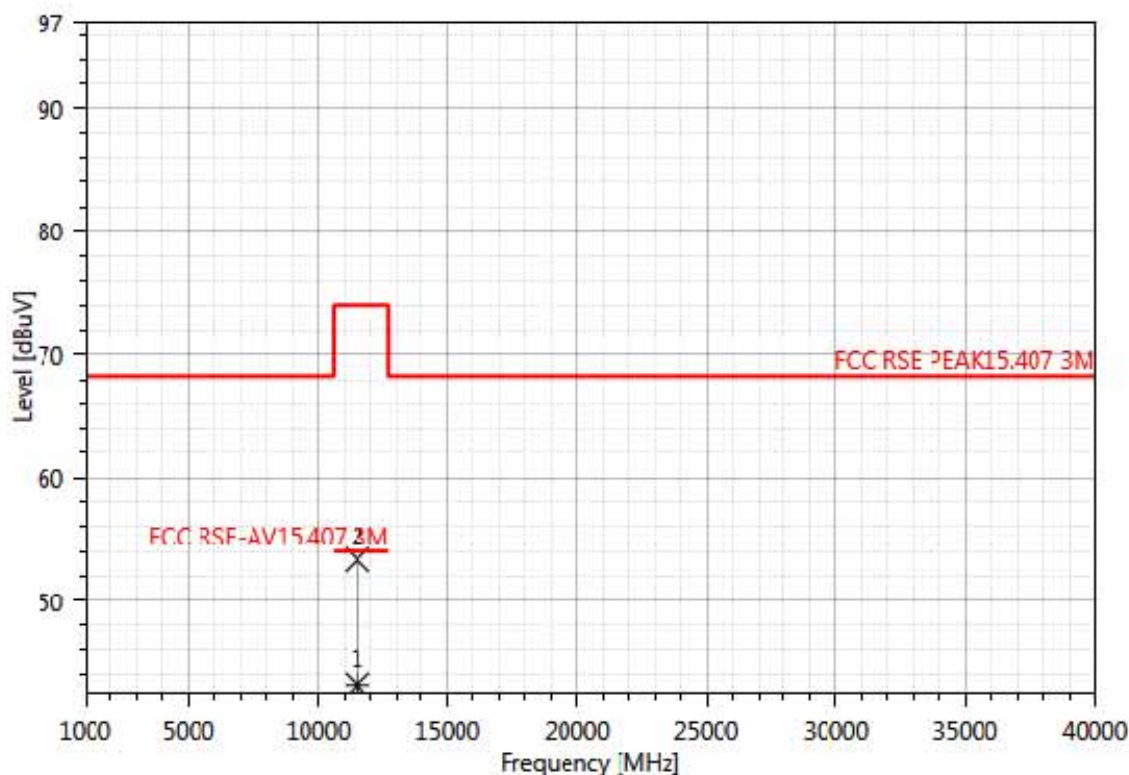
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5725~5850 MHz

Operation Mode :	802.11n40B4	Test Date :	08/04/2016
Fundamental Frequency :	5755 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
11510.00	H	Average	43.16	22.78	20.39	54.00	-10.84
11510.00	H	Peak	53.34	32.95	20.39	74.00	-20.66

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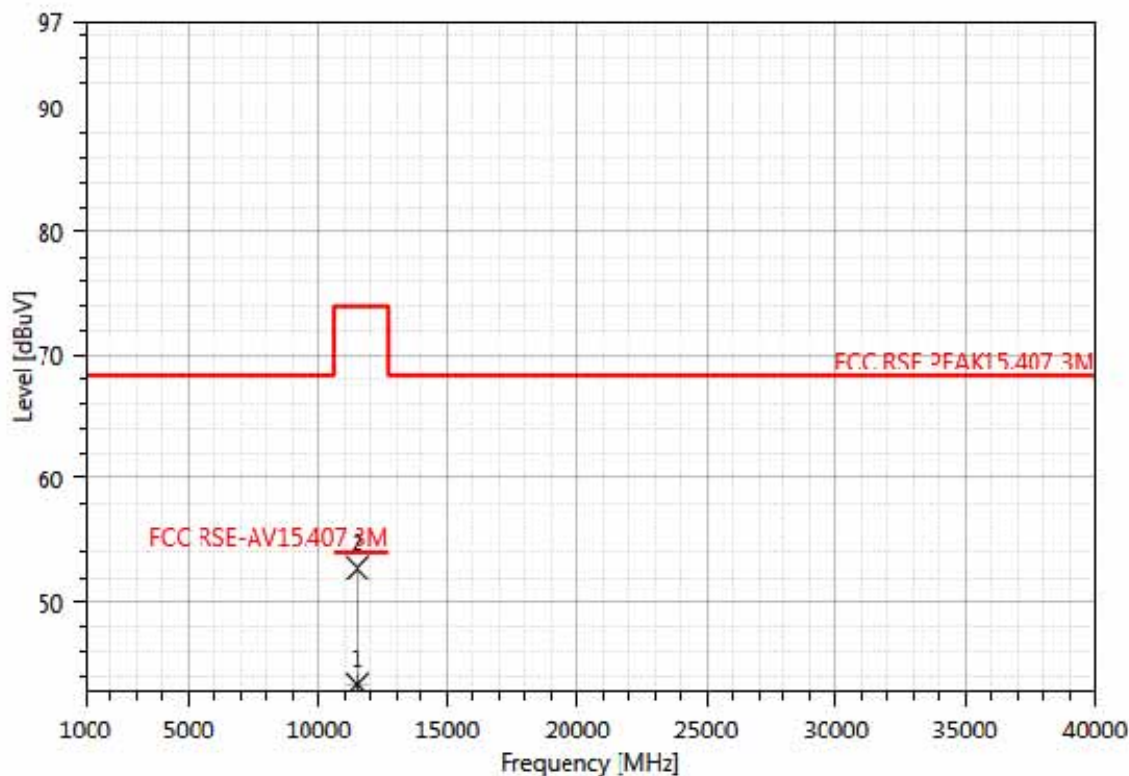
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Operation Mode :	802.11n40B4	Test Date :	08/04/2016
Fundamental Frequency :	5755 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11510.00	H	Average	43.32	22.93	20.39	54.00	-10.68
11510.00	H	Peak	52.76	32.38	20.39	74.00	-21.24

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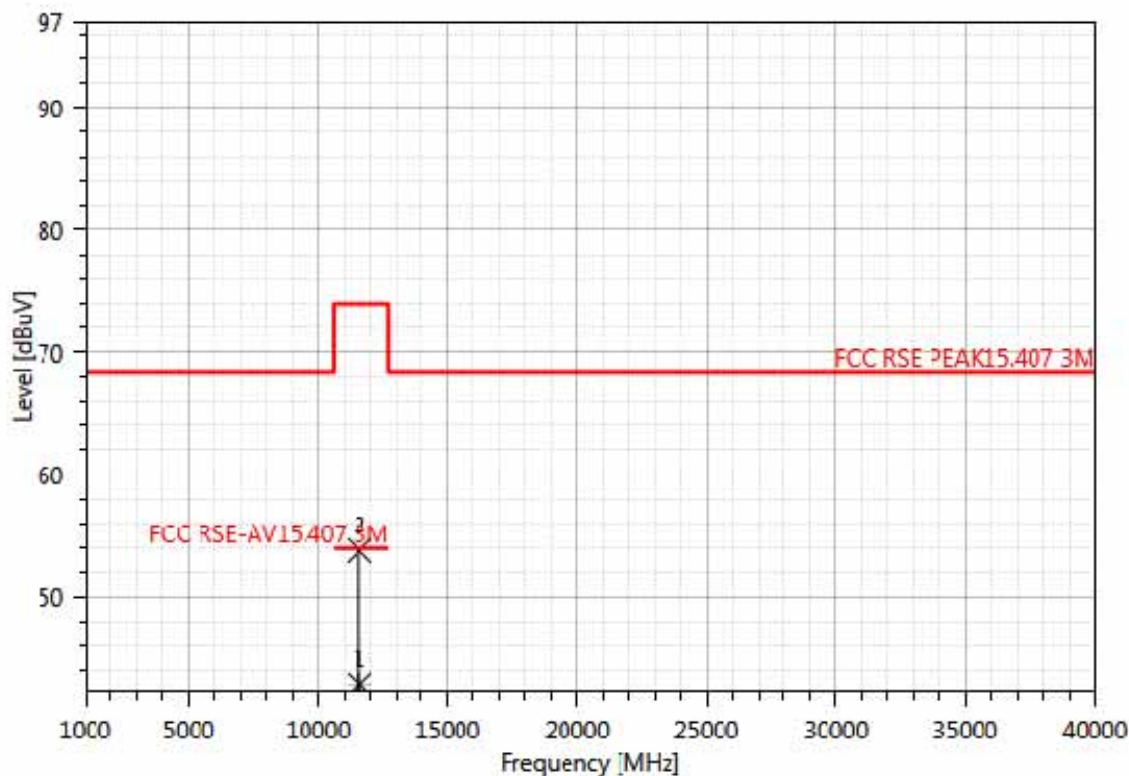
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Operation Mode :	802.11n40B4	Test Date :	08/04/2016
Fundamental Frequency :	5795 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11590.00	H	Average	42.88	22.45	20.43	54.00	-11.12
11590.00	H	Peak	53.82	33.39	20.43	74.00	-20.18

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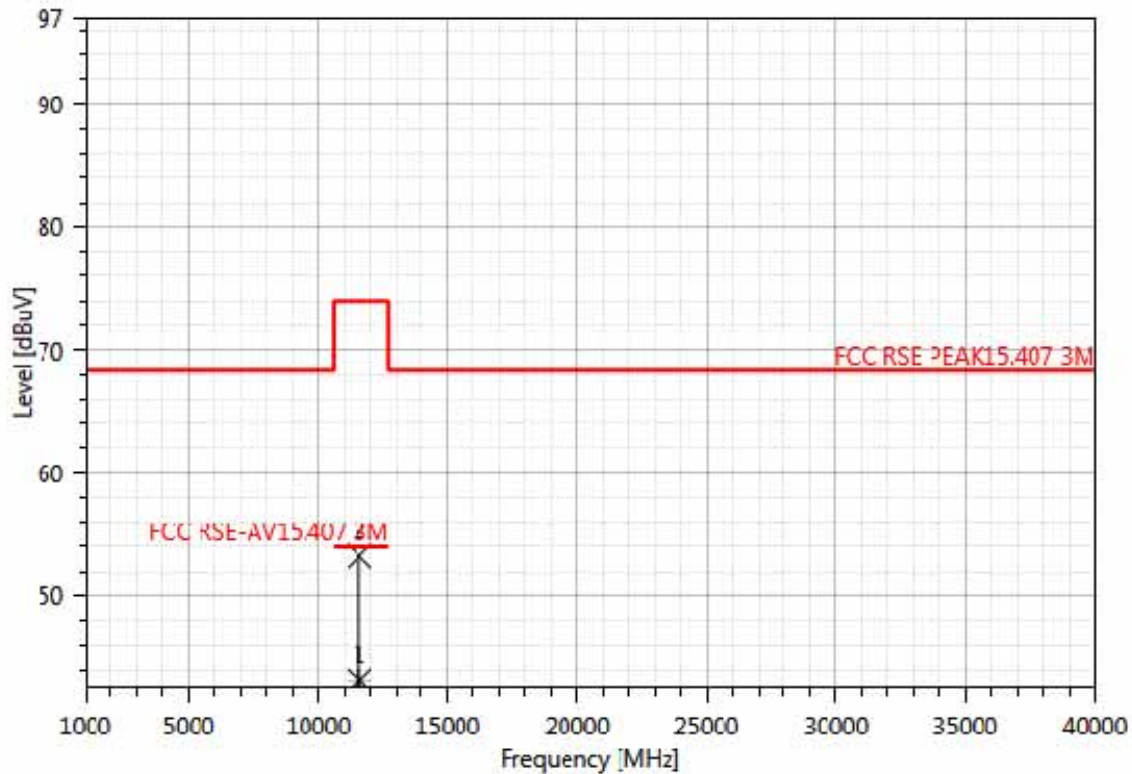
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Operation Mode :	802.11n40B4	Test Date :	08/04/2016
Fundamental Frequency :	5795 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11590.00	H	Average	43.13	22.70	20.43	54.00	-10.87
11590.00	H	Peak	53.27	32.84	20.43	74.00	-20.73

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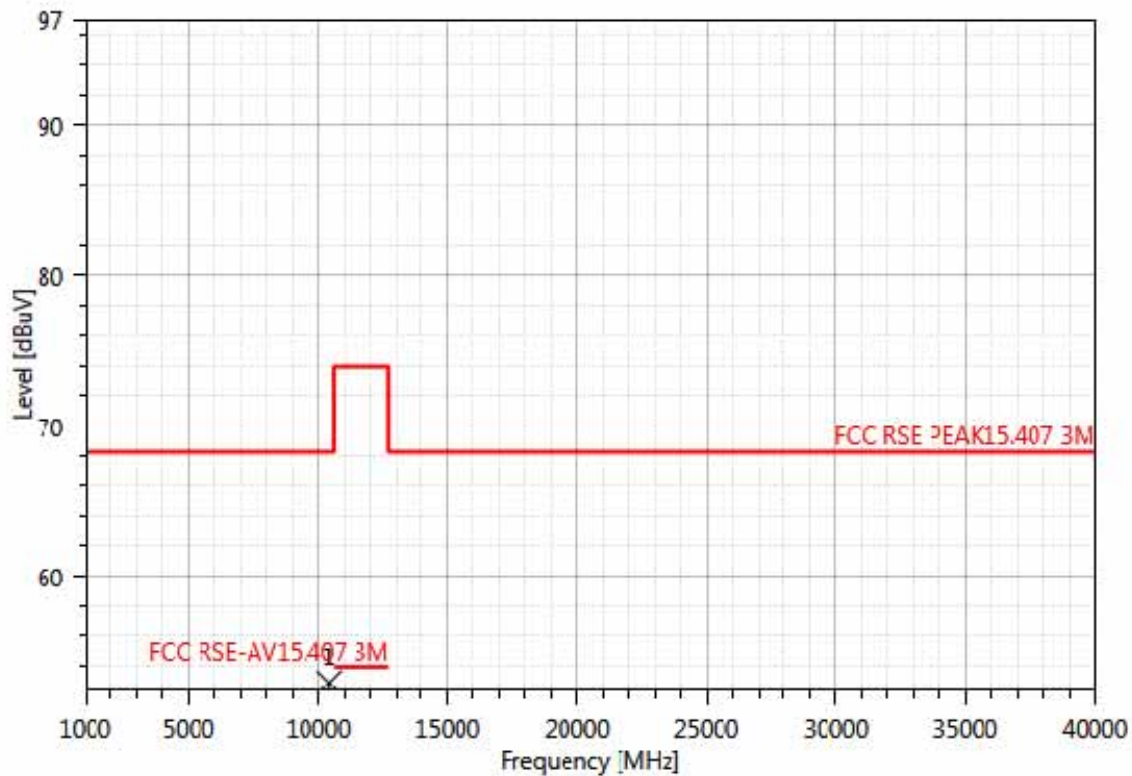
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5150~5250 MHz

Operation Mode :	802.11ac80B1	Test Date :	08/04/2016
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
10420.00	H	Peak	52.95	34.24	18.71	68.30	-15.35

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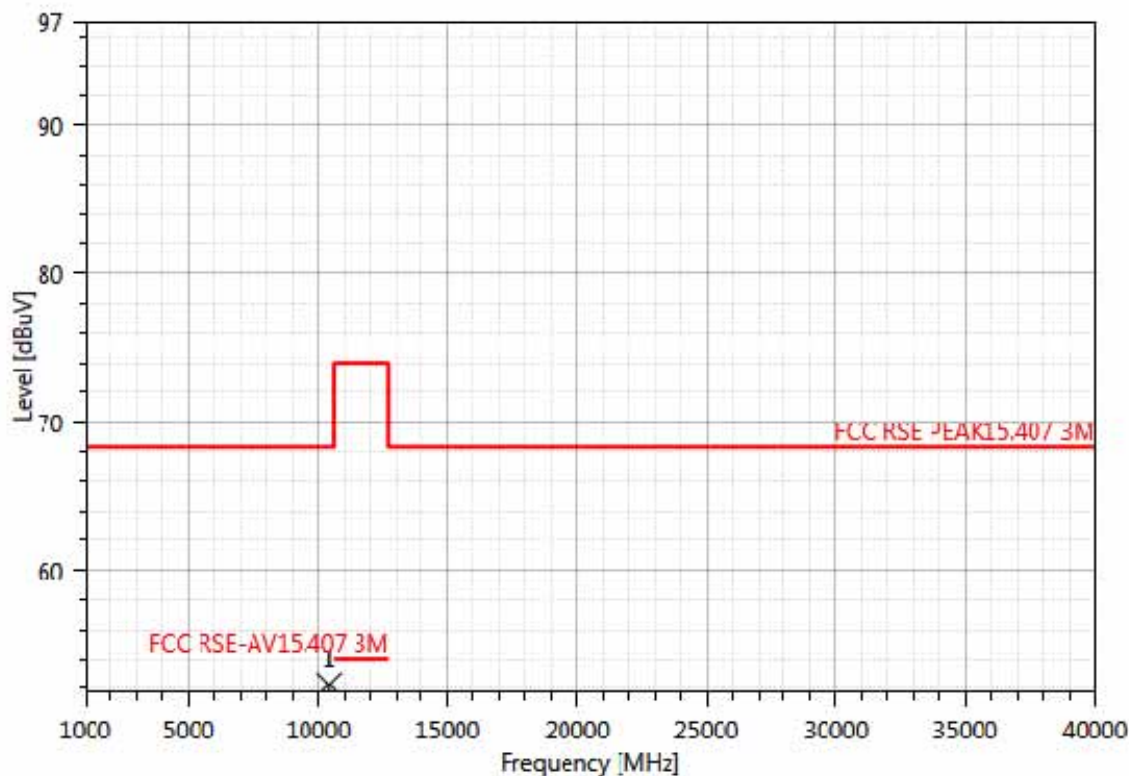
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Operation Mode :	802.11ac80B1	Test Date :	08/04/2016
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
10420.00	H	Peak	52.29	33.58	18.71	68.30	-16.01

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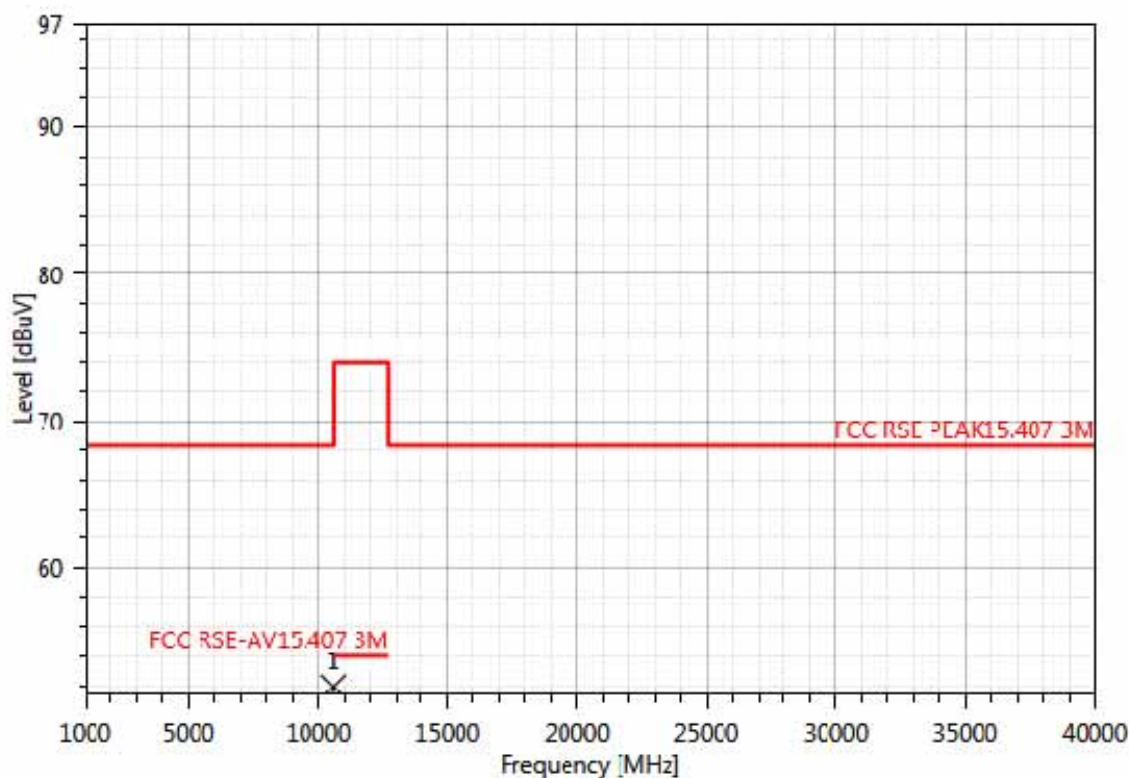
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5250~5350 MHz

Operation Mode :	802.11ac80B2	Test Date :	08/04/2016
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
10580.00	H	Peak	51.91	33.04	18.88	68.30	-16.39

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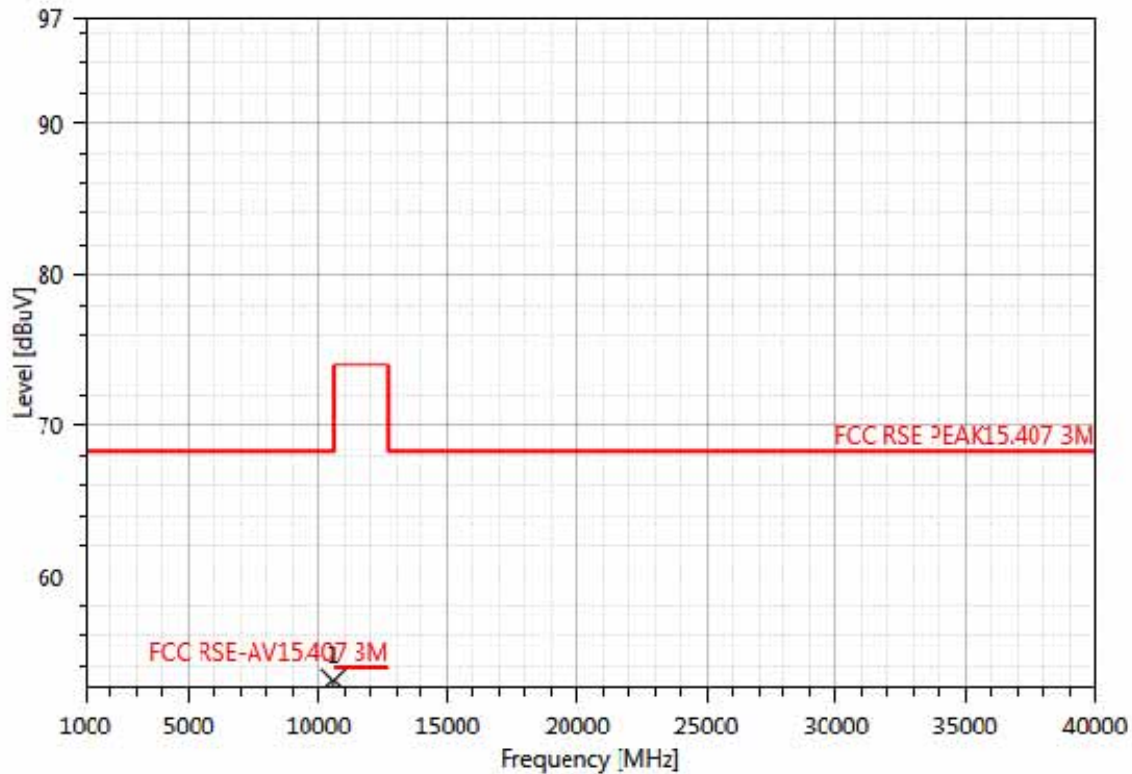
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Operation Mode :	802.11ac80B2	Test Date :	08/04/2016
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
10580.00	H	Peak	53.10	34.23	18.88	68.30	-15.20

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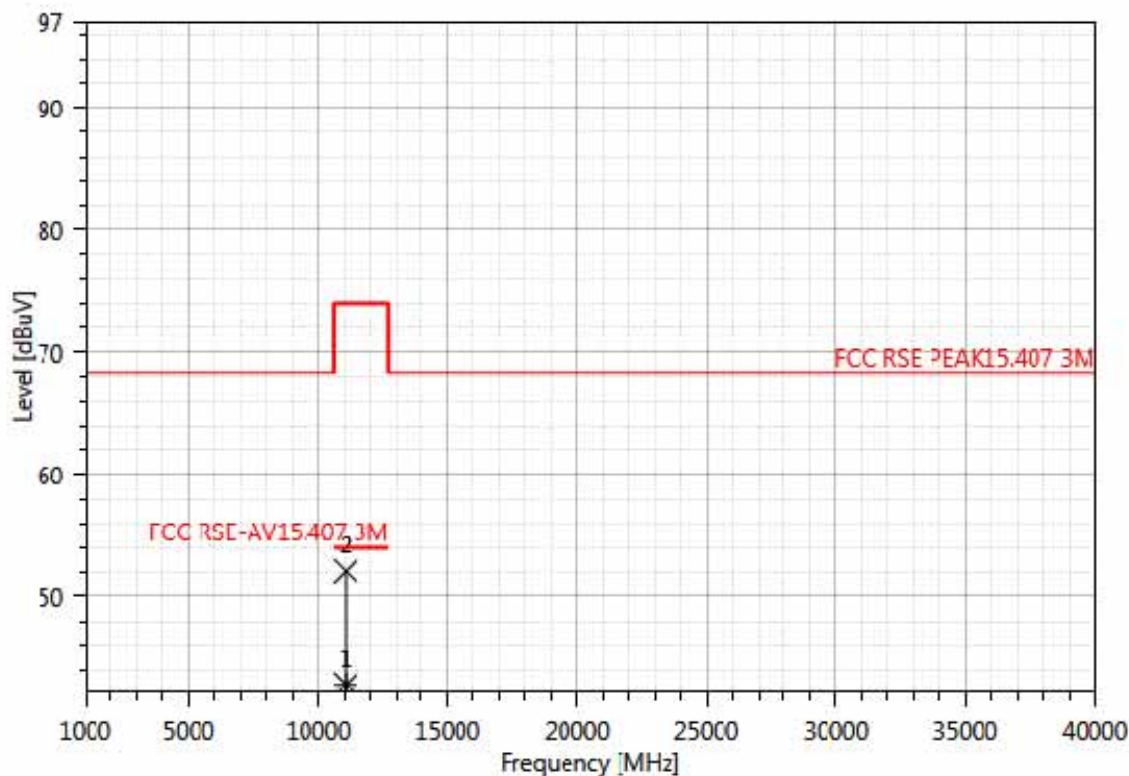
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5470~5725 MHz

Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	Actual Reading Level dBμV/m	Spectrum FS dBμV/m	Factor dB	Limit @3m dBuV/m	Margin dB
11060.00	H	Average	42.82	22.56	20.26	54.00	-11.18
11060.00	H	Peak	52.13	31.87	20.26	74.00	-21.87

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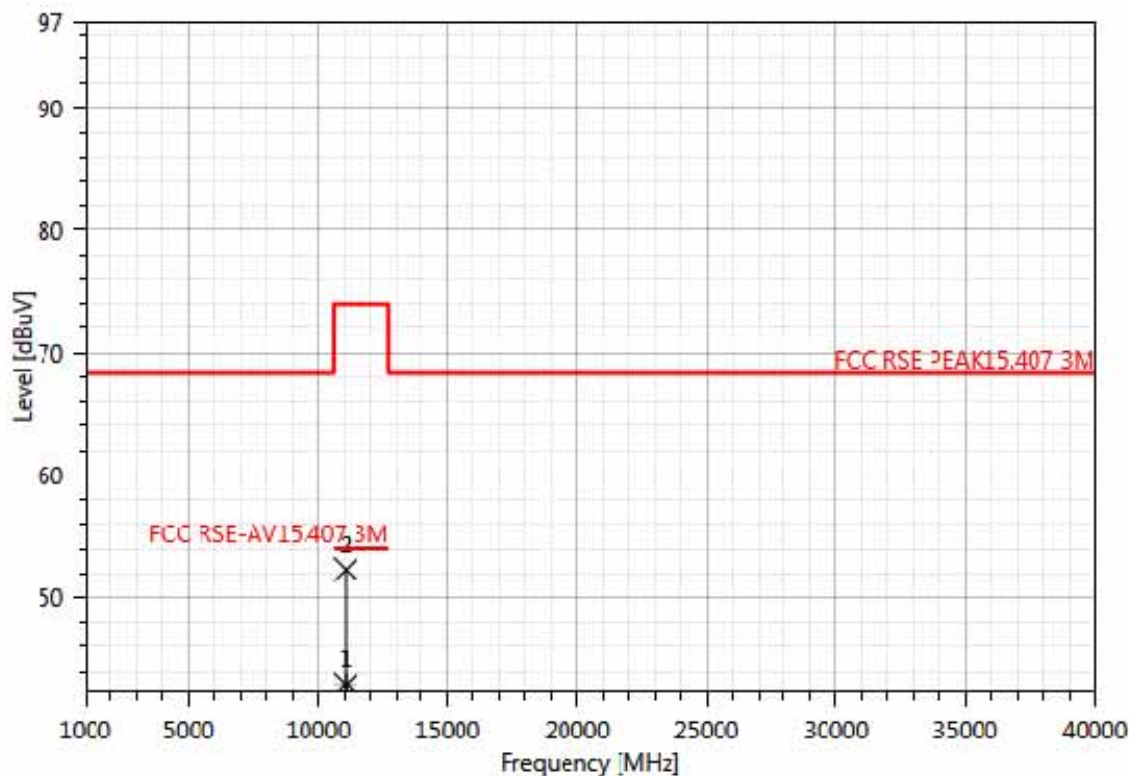
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11060.00	H	Average	42.94	22.67	20.26	54.00	-11.06
11060.00	H	Peak	52.32	32.05	20.26	74.00	-21.68

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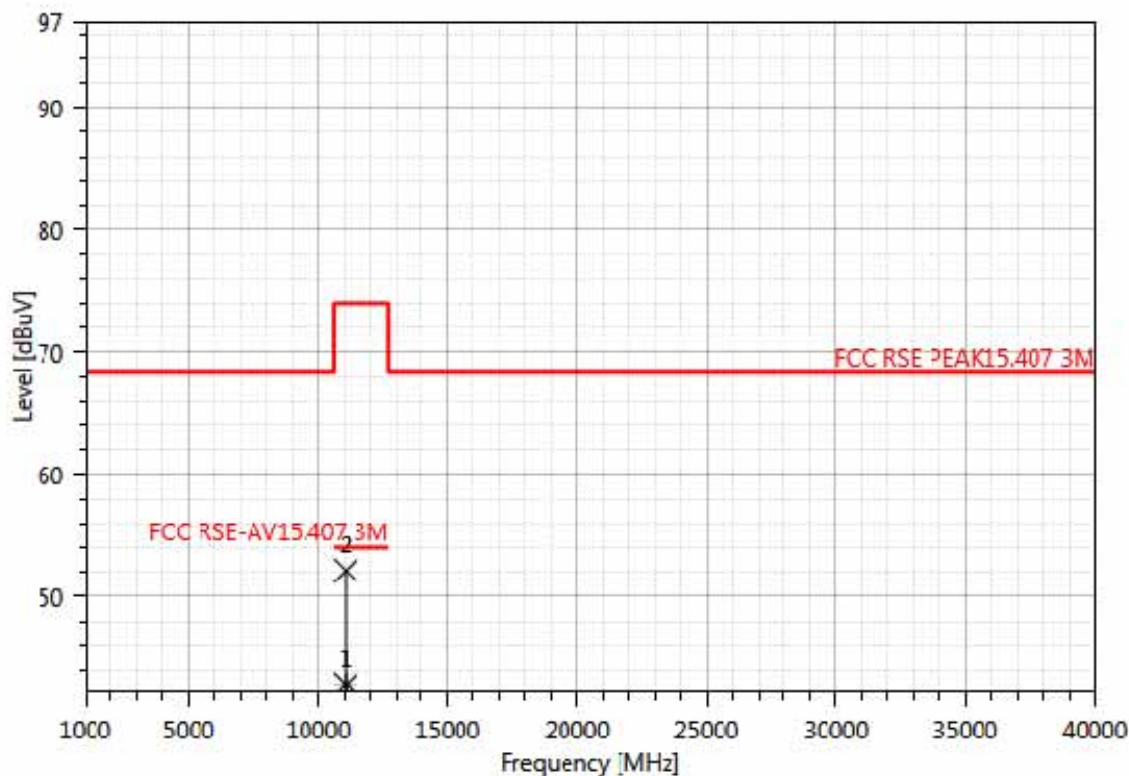
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11060.00	H	Average	42.82	22.56	20.26	54.00	-11.18
11060.00	H	Peak	52.13	31.87	20.26	74.00	-21.87

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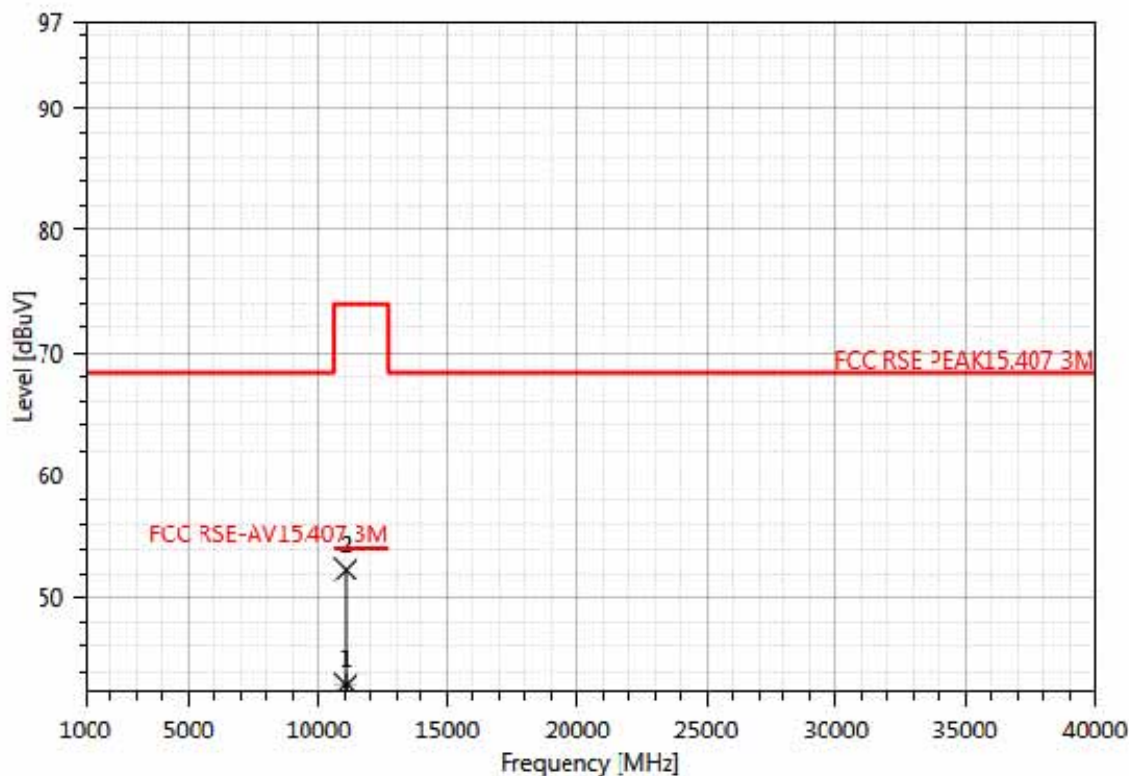
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11060.00	H	Average	42.94	22.67	20.26	54.00	-11.06
11060.00	H	Peak	52.32	32.05	20.26	74.00	-21.68

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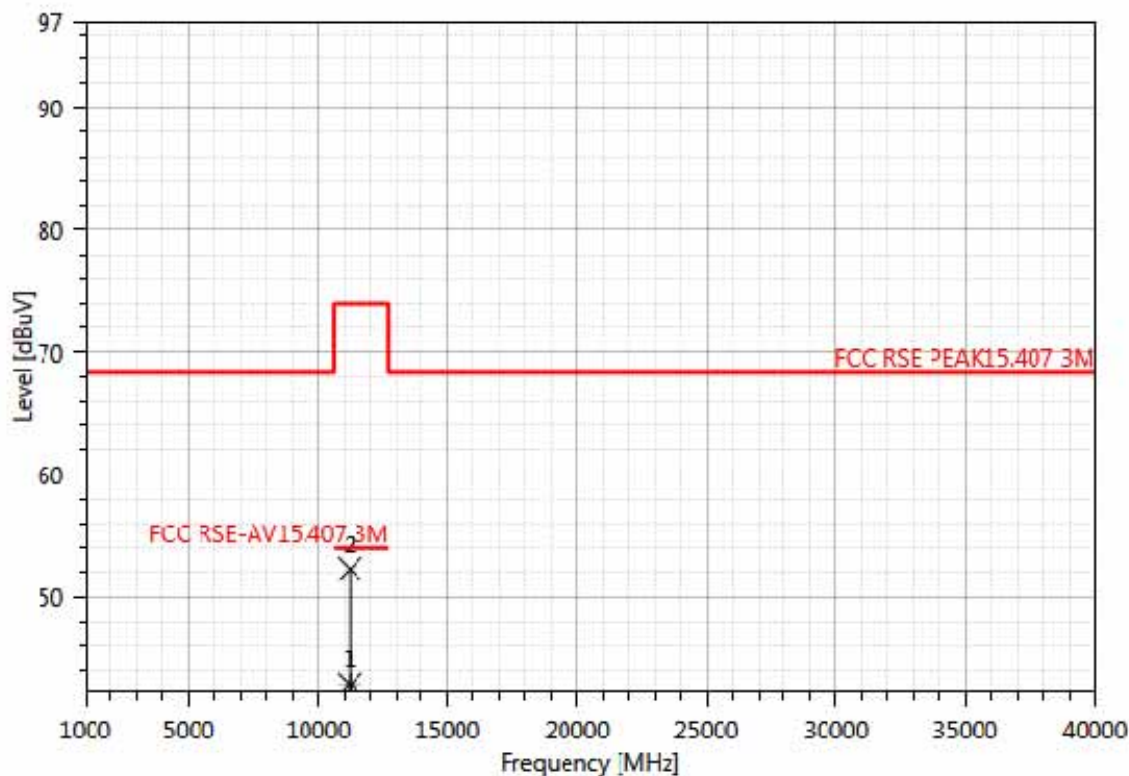
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
11220.00	H	Average	42.87	22.39	20.48	54.00	-11.13
11220.00	H	Peak	52.30	31.82	20.48	74.00	-21.70

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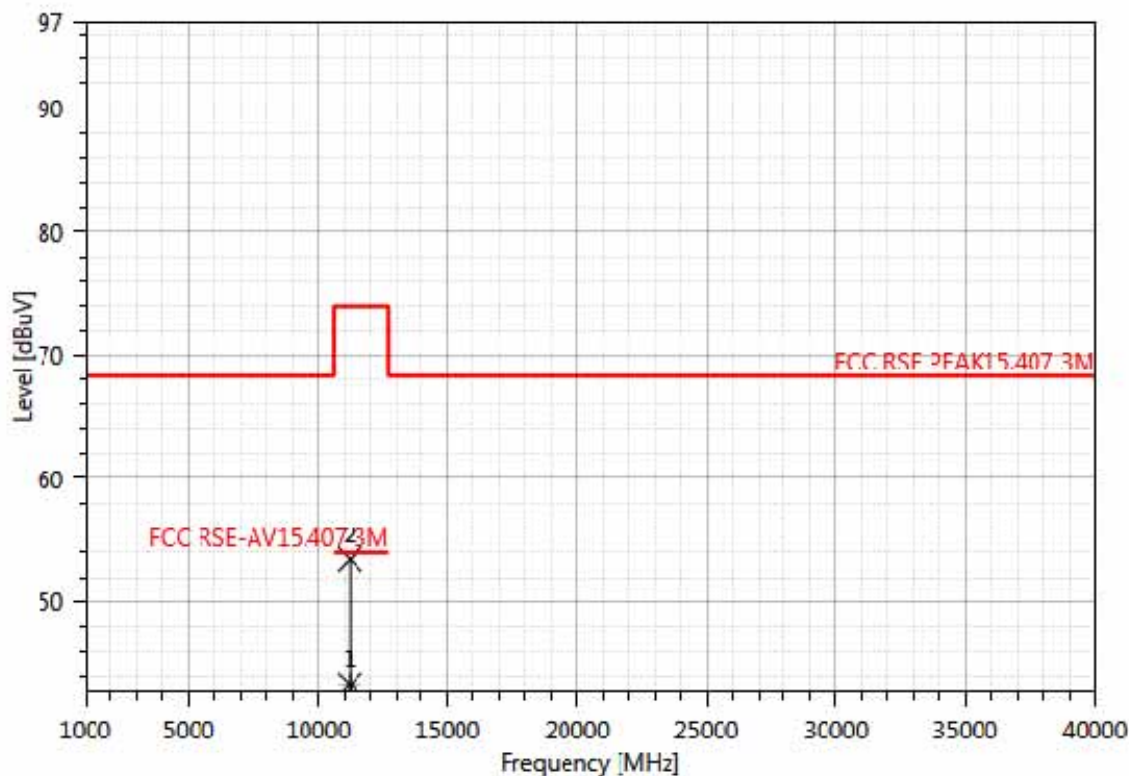
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11220.00	H	Average	43.32	22.84	20.48	54.00	-10.68
11220.00	H	Peak	53.47	33.00	20.48	74.00	-20.53

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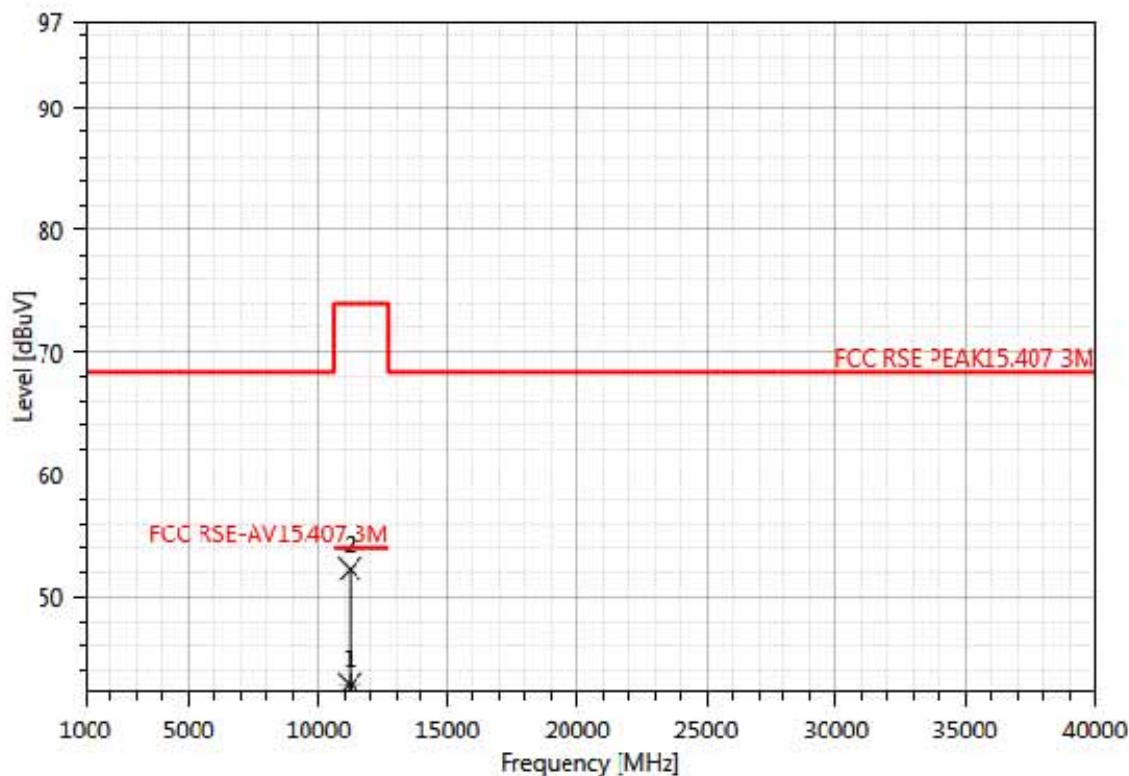
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11220.00	H	Average	42.87	22.39	20.48	54.00	-11.13
11220.00	H	Peak	52.30	31.82	20.48	74.00	-21.70

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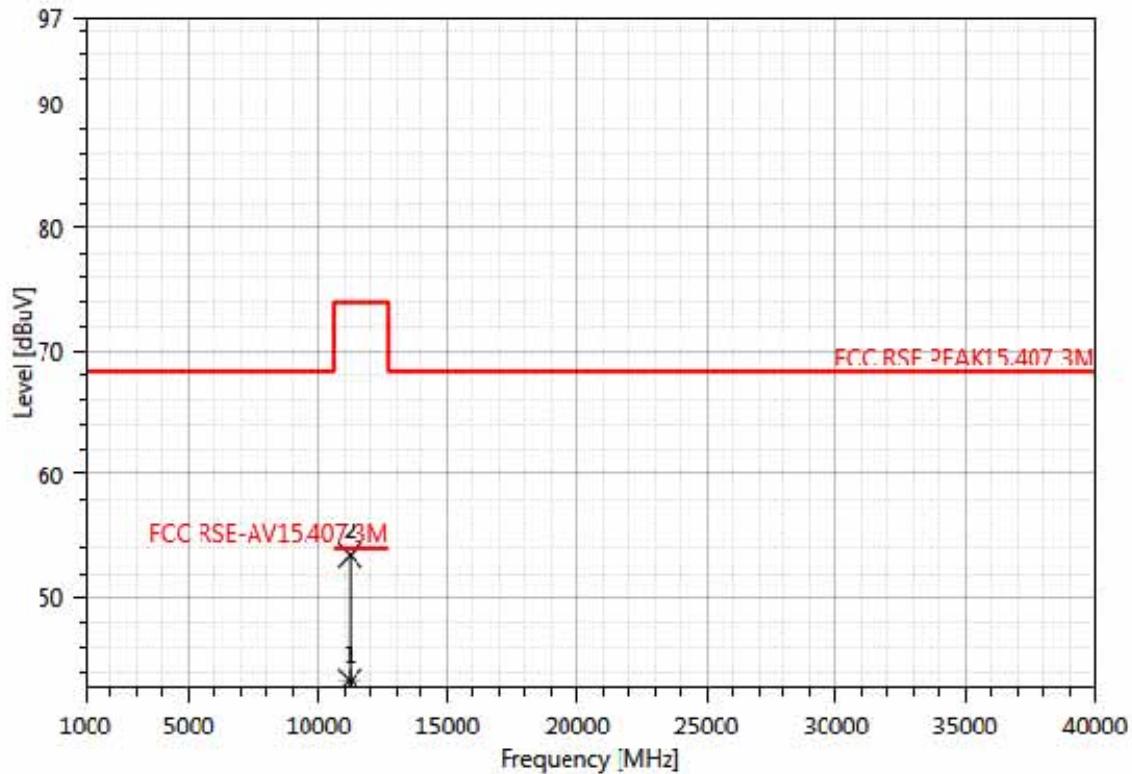
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Operation Mode :	802.11ac80B3	Test Date :	08/04/2016
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
		QP/AV/PK	dBμV/m	dBμV/m		dBuV/m	
11220.00	H	Average	43.32	22.84	20.48	54.00	-10.68
11220.00	H	Peak	53.47	33.00	20.48	74.00	-20.53

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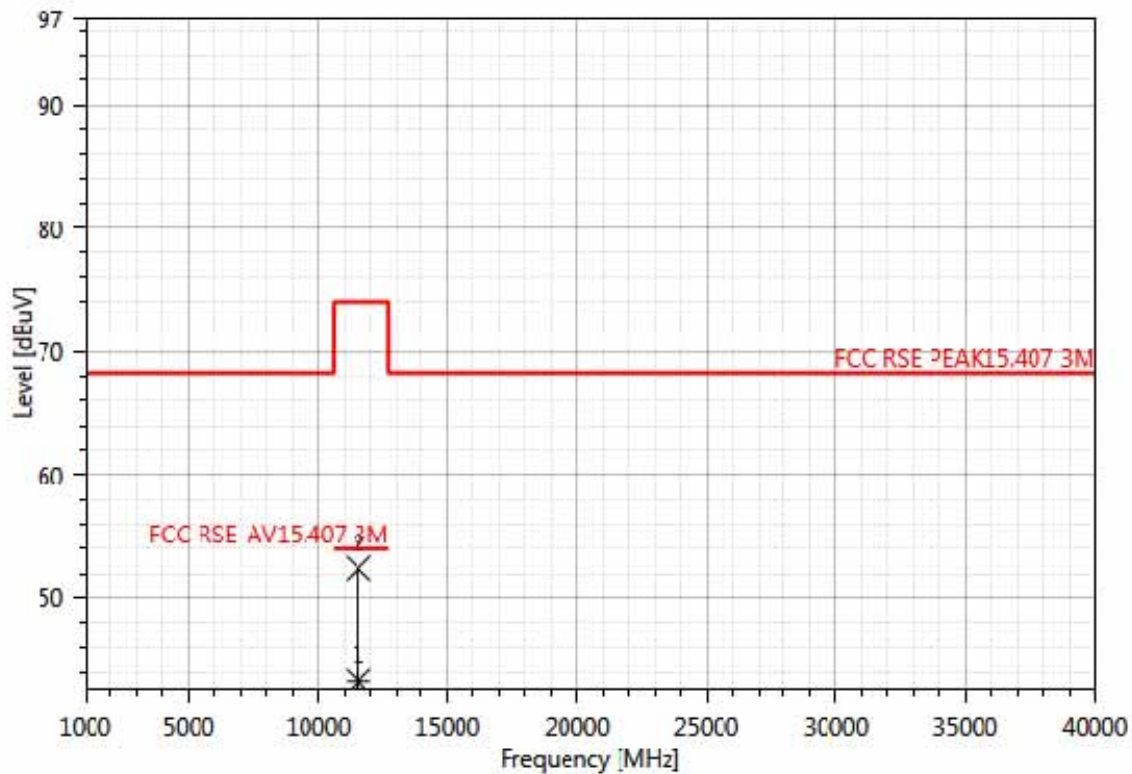
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5725~5850 MHz

Operation Mode :	802.11ac80B4	Test Date :	08/04/2016
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS	dB	@3m	dB
11550.00	H	Average	43.30	22.78	20.52	54.00	-10.70
11550.00	H	Peak	52.43	31.92	20.52	74.00	-21.57

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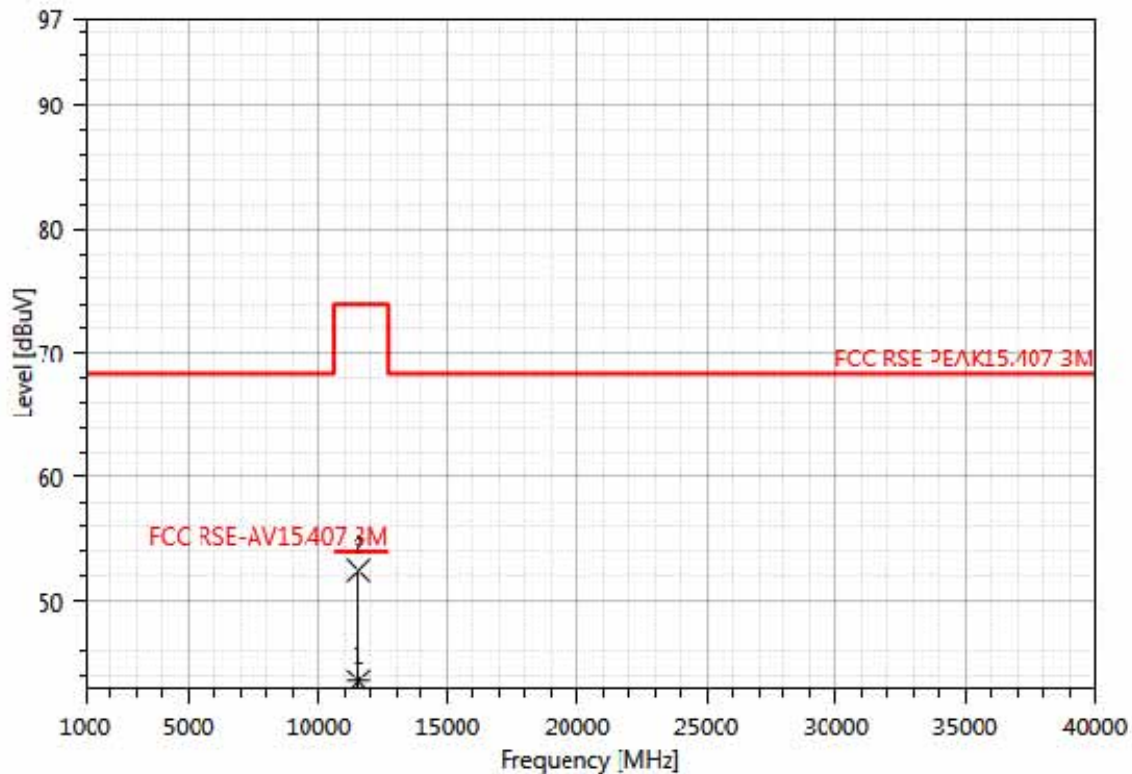
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Operation Mode :	802.11ac80B4	Test Date :	08/04/2016
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	23 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
		Mode	Reading Level	FS		@3m	
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
11550.00	H	Average	43.51	22.99	20.52	54.00	-10.49
11550.00	H	Peak	52.45	31.93	20.52	74.00	-21.55

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Band edge falling to restricted band

802.11a mode

Operation Mode : 802.11aB1 Test Date : 08/04/2016
 Fundamental Frequency : 5180 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS		@3m	
		QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	44.56	38.68	5.88	54.00	-9.44
5150.00	E	Peak	66.70	60.81	5.88	74.00	-7.30

Operation Mode : 802.11aB1 Test Date : 08/04/2016
 Fundamental Frequency : 5180 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS		@3m	
		QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	43.81	37.93	5.88	54.00	-10.19
5150.00	E	Peak	64.19	58.31	5.88	74.00	-9.81

Operation Mode : 802.11aB3 Test Date : 08/04/2016
 Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor	Actual	Spectrum	Factor	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level	FS		@3m	
		QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	39.61	33.38	6.23	54.00	-14.39
5460.00	E	Peak	63.61	57.37	6.23	74.00	-10.39

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Operation Mode : 802.11aB3 Test Date : 08/04/2016
Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	41.53	35.30	6.23	54.00	-12.47
5460.00	E	Peak	62.29	56.06	6.23	74.00	-11.71

Operation Mode : 802.11aB3 Test Date : 08/04/2016
Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	66.90	60.63	6.26	68.30	-1.40

Operation Mode : 802.11aB3 Test Date : 08/04/2016
Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	66.37	60.11	6.26	68.30	-1.93

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Operation Mode : 802.11aB4 Test Date : 08/04/2016
 Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	46.82	40.34	6.48	68.23	-21.41
5700.00	E	Peak	62.66	55.98	6.68	105.23	-42.57
5720.00	E	Peak	70.10	63.50	6.60	110.83	-40.73
5725.00	E	Peak	76.16	69.57	6.59	122.23	-46.07

Operation Mode : 802.11aB4 Test Date : 08/04/2016
 Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.69	41.21	6.48	68.23	-20.54
5700.00	E	Peak	60.88	54.21	6.68	105.23	-44.35
5720.00	E	Peak	68.72	62.12	6.60	110.83	-42.11
5725.00	E	Peak	72.83	66.24	6.59	122.23	-49.40

Operation Mode : 802.11aB4 Test Date : 08/04/2016
 Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	66.62	59.34	7.28	122.23	-55.61
5855.00	E	Peak	65.86	58.55	7.32	110.83	-44.97
5875.00	E	Peak	57.56	50.19	7.37	105.23	-47.67
5925.00	E	Peak	48.39	41.00	7.39	68.23	-19.84

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Operation Mode : 802.11aB4 Test Date : 08/04/2016
Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	66.06	58.78	7.28	122.23	-56.17
5855.00	E	Peak	64.99	57.67	7.32	110.83	-45.84
5875.00	E	Peak	57.07	49.70	7.37	105.23	-48.16
5925.00	E	Peak	48.68	41.29	7.39	68.23	-19.55

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802.11n20 HT mode

Operation Mode : 802.11n20B1 Test Date : 08/04/2016
 Fundamental Frequency : 5180 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	39.31	33.43	5.88	54.00	-14.69
5150.00	E	Peak	62.87	56.99	5.88	74.00	-11.13

Operation Mode : 802.11n20B1 Test Date : 08/04/2016
 Fundamental Frequency : 5180 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	37.14	31.26	5.88	54.00	-16.86
5150.00	E	Peak	61.51	55.63	5.88	74.00	-12.49

Operation Mode : 802.11n20B3 Test Date : 08/04/2016
 Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	39.32	33.09	6.23	54.00	-14.68
5460.00	E	Peak	62.87	56.64	6.23	74.00	-11.13

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Operation Mode : 802.11n20B3 Test Date : 08/04/2016
Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	37.76	31.52	6.23	54.00	-16.24
5460.00	E	Peak	60.20	53.96	6.23	74.00	-13.80

Operation Mode : 802.11n20B3 Test Date : 08/04/2016
Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	66.96	60.70	6.26	68.30	-1.34

Operation Mode : 802.11n20B3 Test Date : 08/04/2016
Fundamental Frequency : 5500 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	63.04	56.78	6.26	68.30	-5.26

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Operation Mode : 802.11n20B4 Test Date : 08/04/2016
Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.26	40.78	6.48	68.23	-20.97
5700.00	E	Peak	59.08	52.40	6.68	105.23	-46.15
5720.00	E	Peak	68.03	61.43	6.60	110.83	-42.80
5725.00	E	Peak	71.18	64.58	6.59	122.23	-51.06

Operation Mode : 802.11n20B4 Test Date : 08/04/2016
Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.17	40.69	6.48	68.23	-21.06
5700.00	E	Peak	57.38	50.70	6.68	105.23	-47.85
5720.00	E	Peak	64.70	58.10	6.60	110.83	-46.13
5725.00	E	Peak	67.40	60.81	6.59	122.23	-54.83

Operation Mode : 802.11n20B4 Test Date : 08/04/2016
Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	66.19	58.91	7.28	122.23	-56.04
5855.00	E	Peak	61.33	54.01	7.32	110.83	-49.50
5875.00	E	Peak	54.44	47.07	7.37	105.23	-50.79
5925.00	E	Peak	47.92	40.53	7.39	68.23	-20.31

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Operation Mode : 802.11n20B4 Test Date : 08/04/2016
Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	61.38	54.10	7.28	122.23	-60.85
5855.00	E	Peak	58.09	50.77	7.32	110.83	-52.74
5875.00	E	Peak	49.10	41.73	7.37	105.23	-56.13
5925.00	E	Peak	47.98	40.59	7.39	68.23	-20.25

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802.11n40 HT mode

Operation Mode : 802.11n40B1 Test Date : 08/04/2016
 Fundamental Frequency : 5190 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	43.69	37.81	5.88	54.00	-10.31
5150.00	E	Peak	63.71	57.82	5.88	74.00	-10.29

Operation Mode : 802.11n40B1 Test Date : 08/04/2016
 Fundamental Frequency : 5190 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	41.99	36.11	5.88	54.00	-12.01
5150.00	E	Peak	61.78	55.90	5.88	74.00	-12.22

Operation Mode : 802.11n40B2 Test Date : 08/04/2016
 Fundamental Frequency : 5310 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5350.00	E	Average	41.89	35.74	6.15	54.00	-12.11
5350.00	E	Peak	66.31	60.16	6.15	74.00	-7.69

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Operation Mode : 802.11n40B2 Test Date : 08/04/2016
Fundamental Frequency : 5310 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5350.00	E	Average	39.39	33.24	6.15	54.00	-14.61
5350.00	E	Peak	62.82	56.67	6.15	74.00	-11.18

Operation Mode : 802.11n40B3 Test Date : 08/04/2016
Fundamental Frequency : 5510 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	40.15	33.92	6.23	54.00	-13.85
5460.00	E	Peak	62.22	55.99	6.23	74.00	-11.78

Operation Mode : 802.11n40B3 Test Date : 08/04/2016
Fundamental Frequency : 5510 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	38.38	32.14	6.23	54.00	-15.62
5460.00	E	Peak	59.57	53.33	6.23	74.00	-14.43

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Operation Mode : 802.11n40B3 Test Date : 08/04/2016
 Fundamental Frequency : 5510 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW | Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	64.25	57.98	6.26	68.30	-4.05

Operation Mode : 802.11n40B3 Test Date : 08/04/2016
 Fundamental Frequency : 5510 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW | Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	62.62	56.36	6.26	68.30	-5.68

Operation Mode : 802.11n40B3 Test Date : 08/04/2016
 Fundamental Frequency : 5670 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5725.00	E	Peak	58.17	51.58	6.59	68.30	-10.13

Operation Mode : 802.11n40B3 Test Date : 08/04/2016
 Fundamental Frequency : 5670 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5725.00	E	Peak	56.97	50.38	6.59	68.30	-11.33

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Operation Mode : 802.11n40B4 Test Date : 08/04/2016
 Fundamental Frequency : 5755 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	50.59	44.11	6.48	68.23	-17.64
5700.00	E	Peak	59.08	52.41	6.68	105.23	-46.15
5720.00	E	Peak	68.80	62.20	6.60	110.83	-42.03
5725.00	E	Peak	68.99	62.40	6.59	122.23	-53.24

Operation Mode : 802.11n40B4 Test Date : 08/04/2016
 Fundamental Frequency : 5755 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.89	41.41	6.48	68.23	-20.34
5700.00	E	Peak	58.01	51.33	6.68	105.23	-47.22
5720.00	E	Peak	65.73	59.13	6.60	110.83	-45.10
5725.00	E	Peak	66.36	59.77	6.59	122.23	-55.87

Operation Mode : 802.11n40B4 Test Date : 08/04/2016
 Fundamental Frequency : 5795 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	58.31	51.03	7.28	122.23	-63.92
5855.00	E	Peak	58.50	51.18	7.32	110.83	-52.33
5875.00	E	Peak	48.85	41.48	7.37	105.23	-56.38
5925.00	E	Peak	48.10	40.71	7.39	68.23	-20.13

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Operation Mode : 802.11n40B4 Test Date : 08/04/2016
Fundamental Frequency : 5795 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	55.87	48.59	7.28	122.23	-66.36
5855.00	E	Peak	56.21	48.89	7.32	110.83	-54.62
5875.00	E	Peak	47.70	40.33	7.37	105.23	-57.53
5925.00	E	Peak	49.03	41.64	7.39	68.23	-19.20

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802.11ac80 VHT mode

Operation Mode : 802.11ac80B1 Test Date : 08/04/2016
 Fundamental Frequency : 5210 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	36.90	31.02	5.88	54.00	-17.10
5150.00	E	Peak	60.16	54.27	5.88	74.00	-13.84

Operation Mode : 802.11ac80B1 Test Date : 08/04/2016
 Fundamental Frequency : 5210 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5150.00	E	Average	36.05	30.17	5.88	54.00	-17.95
5150.00	E	Peak	55.10	49.22	5.88	74.00	-18.90

Operation Mode : 802.11ac80B2 Test Date : 08/04/2016
 Fundamental Frequency : 5290 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5350.00	E	Average	37.88	31.73	6.15	54.00	-16.12
5350.00	E	Peak	60.44	54.29	6.15	74.00	-13.56

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Operation Mode : 802.11ac80B2 Test Date : 08/04/2016
 Fundamental Frequency : 5290 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5350.00	E	Average	36.47	30.32	6.15	54.00	-17.53
5350.00	E	Peak	55.24	49.09	6.15	74.00	-18.76

Operation Mode : 802.11ac80B3 Test Date : 08/04/2016
 Fundamental Frequency : 5530 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	38.16	31.93	6.23	54.00	-15.84
5460.00	E	Peak	60.88	54.65	6.23	74.00	-13.12

Operation Mode : 802.11ac80B3 Test Date : 08/04/2016
 Fundamental Frequency : 5530 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5460.00	E	Average	37.15	30.92	6.23	54.00	-16.85
5460.00	E	Peak	58.32	52.08	6.23	74.00	-15.68

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Operation Mode : 802.11ac80B3 Test Date : 08/04/2016
 Fundamental Frequency : 5530 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	64.15	57.89	6.26	68.30	-4.15

Operation Mode : 802.11ac80B3 Test Date : 08/04/2016
 Fundamental Frequency : 5530 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5470.00	E	Peak	59.01	52.75	6.26	68.30	-9.29

Operation Mode : 802.11ac80B4 Test Date : 08/04/2016
 Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	61.48	55.00	6.48	68.23	-6.75
5700.00	E	Peak	59.01	52.34	6.68	105.23	-46.22
5720.00	E	Peak	61.86	55.26	6.60	110.83	-48.97
5725.00	E	Peak	66.06	59.47	6.59	122.23	-56.17

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Operation Mode : 802.11ac80B4 Test Date : 08/04/2016
 Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	57.13	50.65	6.48	68.23	-11.10
5700.00	E	Peak	54.31	47.63	6.68	105.23	-50.92
5720.00	E	Peak	59.58	52.98	6.60	110.83	-51.25
5725.00	E	Peak	61.99	55.40	6.59	122.23	-60.24

Operation Mode : 802.11ac80B4 Test Date : 08/04/2016
 Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	57.81	50.53	7.28	122.23	-64.42
5855.00	E	Peak	57.21	49.89	7.32	110.83	-53.62
5875.00	E	Peak	53.55	46.18	7.37	105.23	-51.68
5925.00	E	Peak	52.54	45.15	7.39	68.23	-15.69

Operation Mode : 802.11ac80B4 Test Date : 08/04/2016
 Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	55.27	47.99	7.28	122.23	-66.96
5855.00	E	Peak	54.94	47.62	7.32	110.83	-55.89
5875.00	E	Peak	51.63	44.26	7.37	105.23	-53.60
5925.00	E	Peak	51.98	44.59	7.39	68.23	-16.25

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Band edge falling to restricted band (5725~5850MHz) for IC

802.11a mode

Operation Mode : 802.11aB4 Test Date : 08/29/2016
Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBμV/m	dB
5650.00	E	Peak	46.82	40.34	6.48	68.30	-21.48
5700.00	E	Peak	62.66	55.98	6.68	68.30	-5.64
5720.00	E	Peak	70.10	63.50	6.60	78.20	-8.10
5725.00	E	Peak	76.16	69.57	6.59	78.20	-2.04

Operation Mode : 802.11aB4 Test Date : 08/29/2016
Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBμV/m	dB
5650.00	E	Peak	47.69	41.21	6.48	68.30	-20.61
5700.00	E	Peak	60.88	54.21	6.68	68.30	-7.42
5720.00	E	Peak	68.72	62.12	6.60	78.20	-9.48
5725.00	E	Peak	72.83	66.24	6.59	78.20	-5.37

Operation Mode : 802.11aB4 Test Date : 08/29/2016
Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBμV/m	dB
5850.00	E	Peak	66.62	59.34	7.28	78.20	-11.58
5855.00	E	Peak	65.86	58.55	7.32	78.20	-12.34
5875.00	E	Peak	57.56	50.19	7.37	68.30	-10.74
5925.00	E	Peak	48.39	41.00	7.39	68.30	-19.91

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Operation Mode : 802.11aB4 Test Date : 08/29/2016
Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	66.06	58.78	7.28	78.20	-12.14
5855.00	E	Peak	64.99	57.67	7.32	78.20	-13.21
5875.00	E	Peak	57.07	49.70	7.37	68.30	-11.23
5925.00	E	Peak	48.68	41.29	7.39	68.30	-19.62

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802.11n20 HT mode

Operation Mode : 802.11n20B4 Test Date : 08/29/2016
 Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.26	40.78	6.48	68.30	-21.04
5700.00	E	Peak	59.08	52.40	6.68	68.30	-9.22
5720.00	E	Peak	68.03	61.43	6.60	78.20	-10.17
5725.00	E	Peak	71.18	64.58	6.59	78.20	-7.02

Operation Mode : 802.11n20B4 Test Date : 08/29/2016
 Fundamental Frequency : 5745 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.17	40.69	6.48	68.30	-21.13
5700.00	E	Peak	57.38	50.70	6.68	68.30	-10.92
5720.00	E	Peak	64.70	58.10	6.60	78.20	-13.50
5725.00	E	Peak	67.40	60.81	6.59	78.20	-10.80

Operation Mode : 802.11n20B4 Test Date : 08/29/2016
 Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	66.19	58.91	7.28	78.20	-12.01
5855.00	E	Peak	61.33	54.01	7.32	78.20	-16.87
5875.00	E	Peak	54.44	47.07	7.37	68.30	-13.86
5925.00	E	Peak	47.92	40.53	7.39	68.30	-20.38

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Operation Mode : 802.11n20B4 Test Date : 08/29/2016
 Fundamental Frequency : 5825 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBμV/m	dB
5850.00	E	Peak	61.38	54.10	7.28	78.20	-16.82
5855.00	E	Peak	58.09	50.77	7.32	78.20	-20.11
5875.00	E	Peak	49.10	41.73	7.37	68.30	-19.20
5925.00	E	Peak	47.98	40.59	7.39	68.30	-20.32

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802.11n40 HT mode

Operation Mode : 802.11n40B4 Test Date : 08/29/2016
 Fundamental Frequency : 5755 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	50.59	44.11	6.48	68.30	-17.71
5700.00	E	Peak	59.08	52.41	6.68	68.30	-9.22
5720.00	E	Peak	68.80	62.20	6.60	78.20	-9.40
5725.00	E	Peak	68.99	62.40	6.59	78.20	-9.21

Operation Mode : 802.11n40B4 Test Date : 08/29/2016
 Fundamental Frequency : 5755 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH LOW Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	47.89	41.41	6.48	68.30	-20.41
5700.00	E	Peak	58.01	51.33	6.68	68.30	-10.29
5720.00	E	Peak	65.73	59.13	6.60	78.20	-12.47
5725.00	E	Peak	66.36	59.77	6.59	78.20	-11.84

Operation Mode : 802.11n40B4 Test Date : 08/29/2016
 Fundamental Frequency : 5795 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	58.31	51.03	7.28	78.20	-19.89
5855.00	E	Peak	58.50	51.18	7.32	78.20	-19.70
5875.00	E	Peak	48.85	41.48	7.37	68.30	-19.45
5925.00	E	Peak	48.10	40.71	7.39	68.30	-20.20

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 Fundamental Frequency : 5795 MHz Temp. / Humi. : 23 deg_C / 62 RH
 Operation Band : Bandedge CH HIGH Test Engineer : Tin
 EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dB μ V/m	dB μ V/m	dB	dB μ V/m	dB
5850.00	E	Peak	55.87	48.59	7.28	78.20	-22.33
5855.00	E	Peak	56.21	48.89	7.32	78.20	-21.99
5875.00	E	Peak	47.70	40.33	7.37	68.30	-20.60
5925.00	E	Peak	49.03	41.64	7.39	68.30	-19.27

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802.11ac80 VHT mode

Operation Mode : 802.11ac80B4 Test Date : 08/29/2016
Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	61.48	55.00	6.48	68.30	-6.82
5700.00	E	Peak	59.01	52.34	6.68	68.30	-9.29
5720.00	E	Peak	61.86	55.26	6.60	78.20	-16.34
5725.00	E	Peak	66.06	59.47	6.59	78.20	-12.14

Operation Mode : 802.11ac80B4 Test Date : 08/29/2016
Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH LOW Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5650.00	E	Peak	57.13	50.65	6.48	68.30	-11.17
5700.00	E	Peak	54.31	47.63	6.68	68.30	-13.99
5720.00	E	Peak	59.58	52.98	6.60	78.20	-18.62
5725.00	E	Peak	61.99	55.40	6.59	78.20	-16.21

Operation Mode : 802.11ac80B4 Test Date : 08/29/2016
Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dBμV/m	dBμV/m	dB	dBuV/m	dB
5850.00	E	Peak	57.81	50.53	7.28	78.20	-20.39
5855.00	E	Peak	57.21	49.89	7.32	78.20	-20.99
5875.00	E	Peak	53.55	46.18	7.37	68.30	-14.75
5925.00	E	Peak	52.54	45.15	7.39	68.30	-15.76

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Fundamental Frequency : 5775 MHz Temp. / Humi. : 23 deg_C / 62 RH
Operation Band : Bandedge CH HIGH Test Engineer : Tin
EUT Pol. : H Plane Measurement Antenna Pol. : HORIZONTAL

Freq.	Note	Decetor Mode	Actual Reading Level	Spectrum FS	Factor	Limit @3m	Margin
MHz	F/H/E/S	QP/AV/PK	dB μ V/m	dB μ V/m	dB	dB μ V/m	dB
5850.00	E	Peak	55.27	47.99	7.28	78.20	-22.93
5855.00	E	Peak	54.94	47.62	7.32	78.20	-23.26
5875.00	E	Peak	51.63	44.26	7.37	68.30	-16.67
5925.00	E	Peak	51.98	44.59	7.39	68.30	-16.32

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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

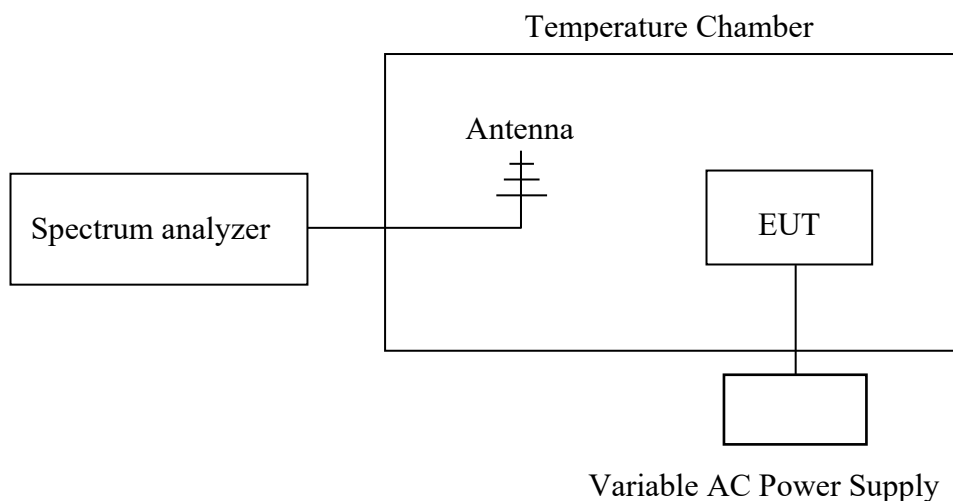
13.1 Standard Applicable

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

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016

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13.5 Measurement Result

Operation Mode	802.11 a	Test Date	2016.08.09
Temperature	:17	Test By	Cooper
Humidity	:65 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.63V	36	5180	5,179.97022	0.00000575
		44	5220	5,219.94019	0.00001146
		48	5240	5,239.96997	0.00000573
		52	5260	5,259.93994	0.00001142
		60	5300	5,299.92505	0.00001414
		64	5320	5,319.93994	0.00001129
		100	5500	5,499.98511	0.00000271
		116	5580	5,579.95508	0.00000805
		140	5700	5,699.89502	0.00001842
		149	5745	5,744.95508	0.00000782
		157	5785	5,784.95508	0.00000777
		165	5825	5,824.88013	0.00002058
	2.97V	36	5180	5,180.00000	0.00000000
		44	5220	5,219.98511	0.00000285
		48	5240	5,239.92505	0.00001430
		52	5260	5,259.96997	0.00000571
		60	5300	5,299.93994	0.00001133
		64	5320	5,319.94019	0.00001124
		100	5500	5,499.96997	0.00000546
		116	5580	5,579.93994	0.00001076
		140	5700	5,699.91016	0.00001576
		149	5745	5,744.93994	0.00001045
		157	5785	5,784.95483	0.00000781
		165	5825	5,824.91016	0.00001542

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25	3.3V	36	5180	5,179.95508	0.00000867
		44	5220	5,219.96997	0.00000575
		48	5240	5,239.96997	0.00000573
		52	5260	5,259.92505	0.00001425
		60	5300	5,299.96997	0.00000567
		64	5320	5,319.88013	0.00002253
		100	5500	5,499.93994	0.00001092
		116	5580	5,579.95508	0.00000805
		140	5700	5,699.93994	0.00001054
		149	5745	5,744.91016	0.00001564
		157	5785	5,784.95508	0.00000777
		165	5825	5,824.92505	0.00001287

55	3.63V	36	5180	5,179.92505	0.00001447
		44	5220	5,219.95483	0.00000865
		48	5240	5,239.95508	0.00000857
		52	5260	5,259.94019	0.00001137
		60	5300	5,299.96997	0.00000567
		64	5320	5,319.83496	0.00003102
		100	5500	5,499.92505	0.00001363
		116	5580	5,579.95508	0.00000805
		140	5700	5,699.93994	0.00001054
		149	5745	5,744.91016	0.00001564
		157	5785	5,784.93994	0.00001038
		165	5825	5,824.95508	0.00000771
	2.97V	36	5180	5,179.96997	0.00000580
		44	5220	5,219.92505	0.00001436
		48	5240	5,239.98486	0.00000289
		52	5260	5,260.00000	0.00000000
		60	5300	5,299.98511	0.00000281
		64	5320	5,319.91016	0.00001689
		100	5500	5,499.92505	0.00001363
		116	5580	5,579.94019	0.00001072
		140	5700	5,699.94019	0.00001049
		149	5745	5,744.85010	0.00002609
		157	5785	5,785.01514	-0.00000262
		165	5825	5,824.95508	0.00000771

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Operation Mode	802.11 n_HT40	Test Date	2016.08.09
Temperature	:17	Test By	Cooper
Humidity	:65 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.63V	38	5190	5,189.72485	0.00005301
		46	5230	5,229.92505	0.00001433
		54	5270	5,270.00000	0.00000000
		62	5310	5,310.02515	-0.00000474
		102	5510	5,509.92505	0.00001360
		110	5550	5,549.94995	0.00000902
		134	5670	5,669.80005	0.00003526
		151	5755	5,755.00000	0.00000000
		159	5795	5,795.07495	-0.00001293
	2.97V	38	5190	5,189.92505	0.00001444
		46	5230	5,229.97485	0.00000481
		54	5270	5,269.97485	0.00000477
		62	5310	5,309.84985	0.00002828
		102	5510	5,510.02490	-0.00000452
		110	5550	5,549.92505	0.00001350
		134	5670	5,669.67505	0.00005731
		151	5755	5,754.92505	0.00001302
		159	5795	5,795.02490	-0.00000430

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25	3.3V	38	5190	5,189.97485	0.00000485
		46	5230	5,229.79981	0.00003828
		54	5270	5,269.77490	0.00004271
		62	5310	5,309.75000	0.00004708
		102	5510	5,510.00000	0.00000000
		110	5550	5,549.97510	0.00000449
		134	5670	5,670.02490	-0.00000439
		151	5755	5,754.59985	0.00006953
		159	5795	5,794.89990	0.00001727
55	3.63V	38	5190	5,189.79981	0.00003857
		46	5230	5,229.89990	0.00001914
		54	5270	5,269.94995	0.00000950
		62	5310	5,309.62500	0.00007062
		102	5510	5,509.87500	0.00002269
		110	5550	5,549.92505	0.00001350
		134	5670	5,670.00000	0.00000000
		151	5755	5,754.89990	0.00001739
		159	5795	5,794.79981	0.00003455
	2.97V	38	5190	5,189.89990	0.00001929
		46	5230	5,229.94995	0.00000957
		54	5270	5,270.02515	-0.00000477
		62	5310	5,309.85010	0.00002823
		102	5510	5,509.97510	0.00000452
		110	5550	5,550.00000	0.00000000
		134	5670	5,669.97485	0.00000443
		151	5755	5,754.69995	0.00005214
		159	5795	5,794.97510	0.00000430

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Operation Mode	802.11 ac_VHT80	Test Date	2016.08.09
Temperature	:17	Test By	Cooper
Humidity	:65 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10	3.63V	42	5210	5,209.94995	0.00000961
		58	5290	5,289.94995	0.00000946
		106	5530	5,529.95020	0.00000901
		122	5610	5,610.15015	-0.00002676
		155	5775	5,775.15015	-0.00002600
	2.97V	42	5210	5,210.00000	0.00000000
		58	5290	5,290.05005	-0.00000946
		106	5530	5,529.84985	0.00002715
		122	5610	5,609.95020	0.00000888
		155	5775	5,774.60010	0.00006925
25	3.3V	42	5210	5,209.84985	0.00002882
		58	5290	5,289.94995	0.00000946
		106	5530	5,529.95020	0.00000901
		122	5610	5,610.44995	-0.00008021
		155	5775	5,774.85010	0.00002596
55	3.63V	42	5210	5,209.05005	0.00018233
		58	5290	5,289.44995	0.00010398
		106	5530	5,530.20020	-0.00003620
		122	5610	5,610.05005	-0.00000892
		155	5775	5,774.09985	0.00015587
	2.97V	42	5210	5,209.90015	0.00001917
		58	5290	5,289.59985	0.00007564
		106	5530	5,529.29981	0.00012662
		122	5610	5,609.69995	0.00005348
		155	5775	5,774.94995	0.00000867

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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.

14.2 Antenna Connected Construction

A PIFA antenna design is used.

The antenna is designed with permanent attached and no consideration of replacement. Please see EUT photo and antenna spec. for details.

~ End of Report ~

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