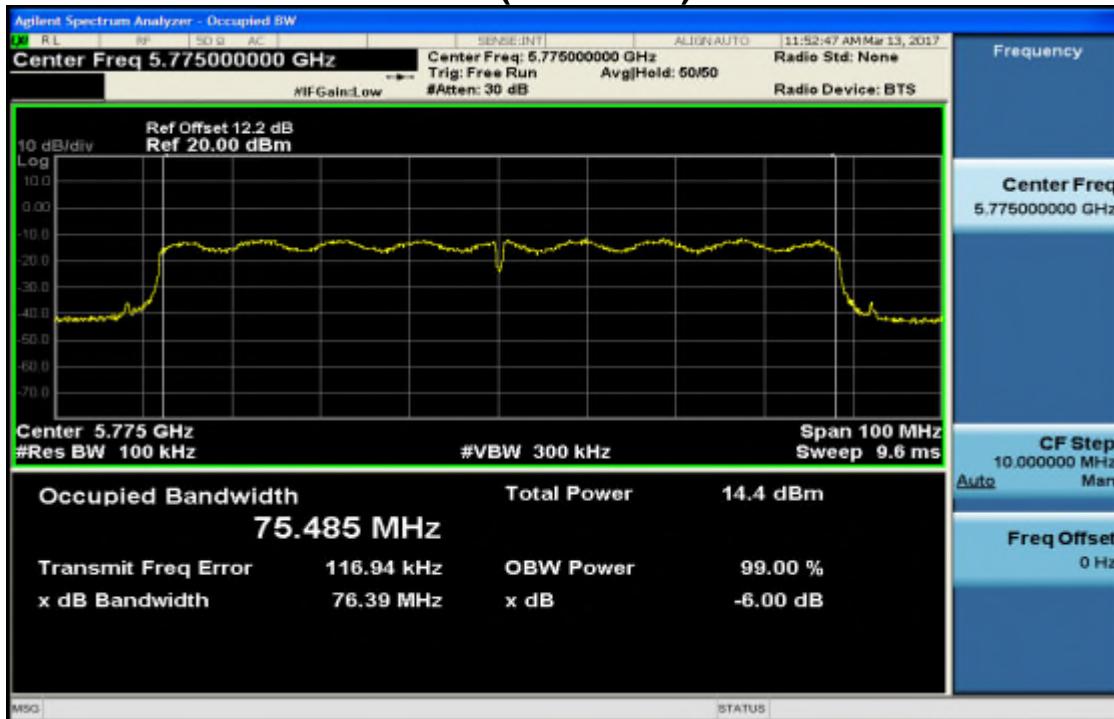
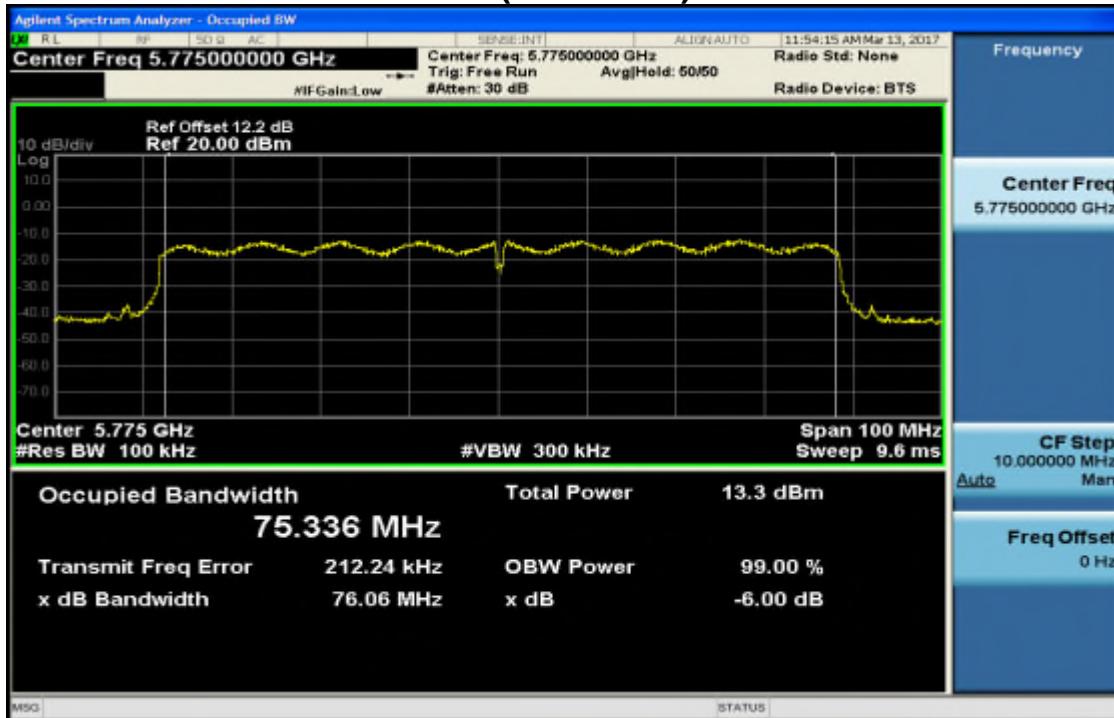


802.11ac VHT80, 5725~5850 MHz (Main) 6dB Band Width Test Data CH-Low (5775 MHz)



802.11ac VHT80, 5725~5850 MHz (Aux) 6dB Band Width Test Data CH-Low (5775 MHz)

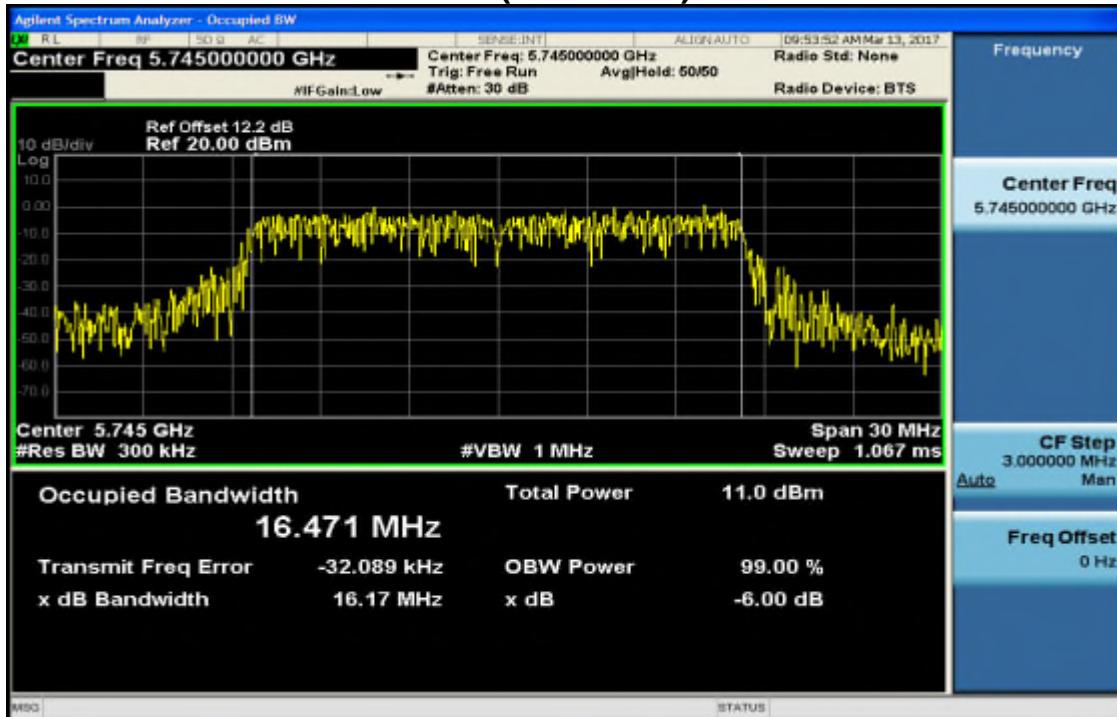


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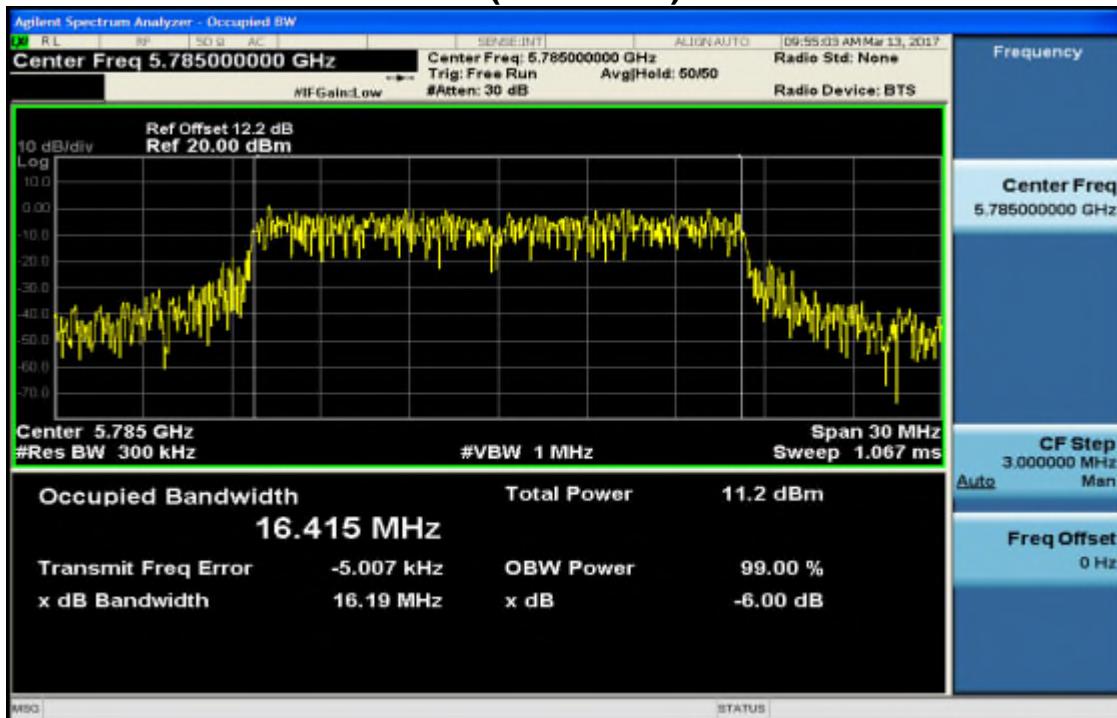
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6dB Band Width measure with Average detector for IC 802.11a, 5725~5850 MHz (Main) 6dB Band Width Test Data CH-Low (5745 MHz)



6dB Band Width Test Data CH-Mid (5785 MHz)



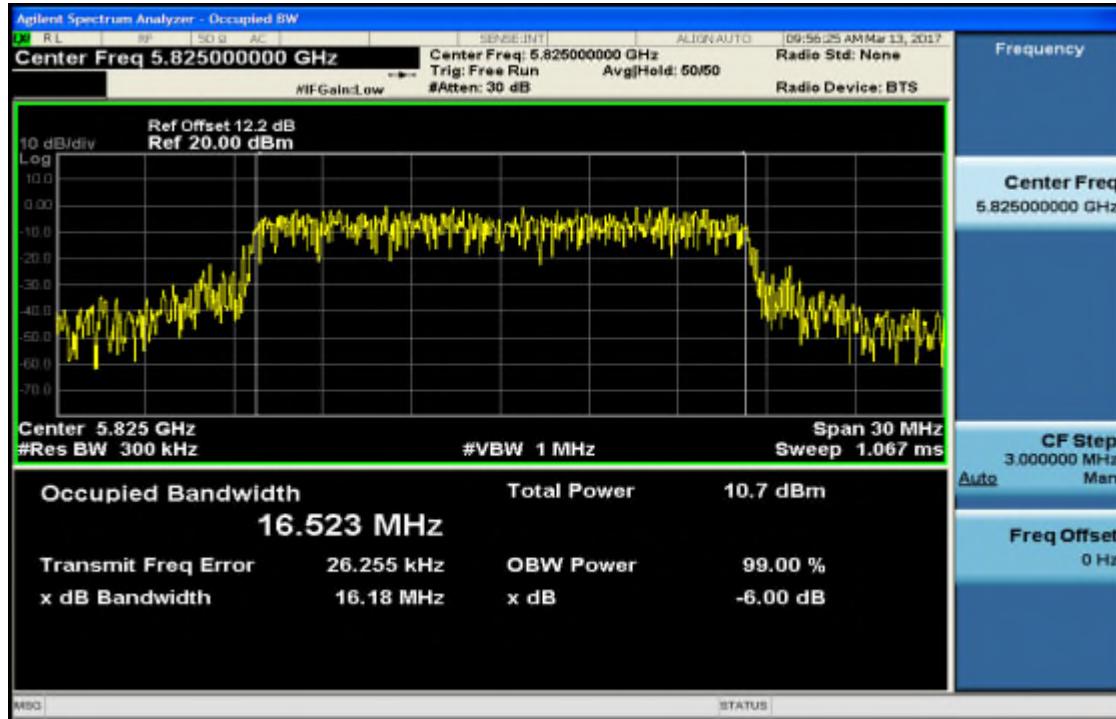
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6dB Band Width Test Data CH-High (5825 MHz)



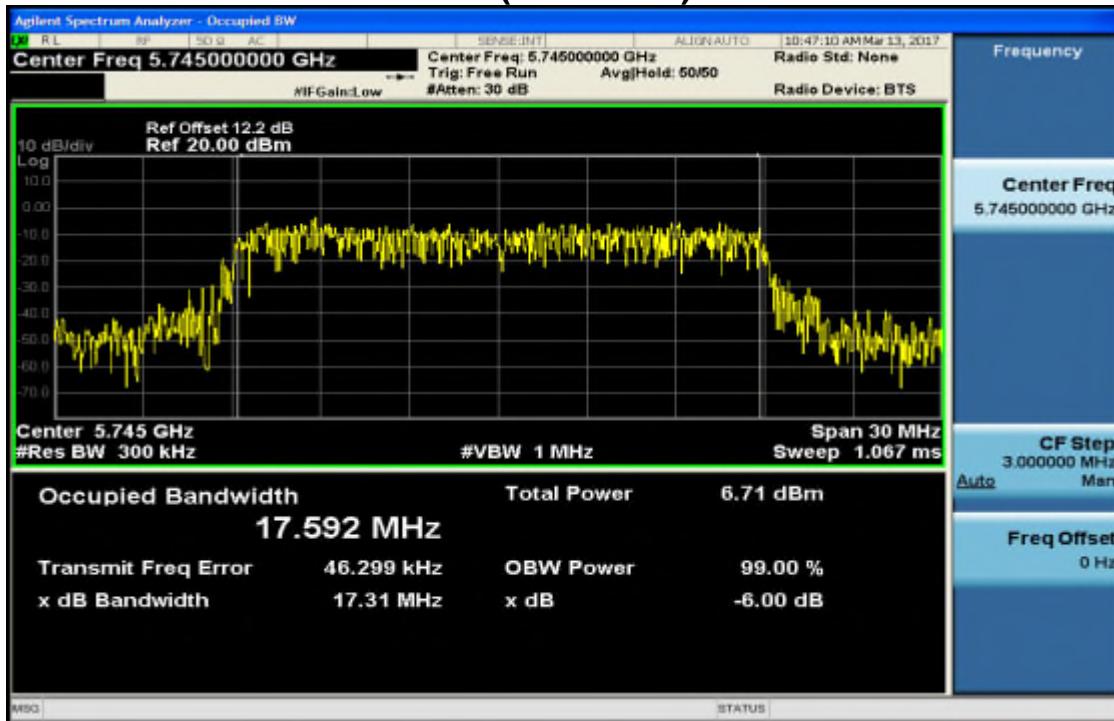
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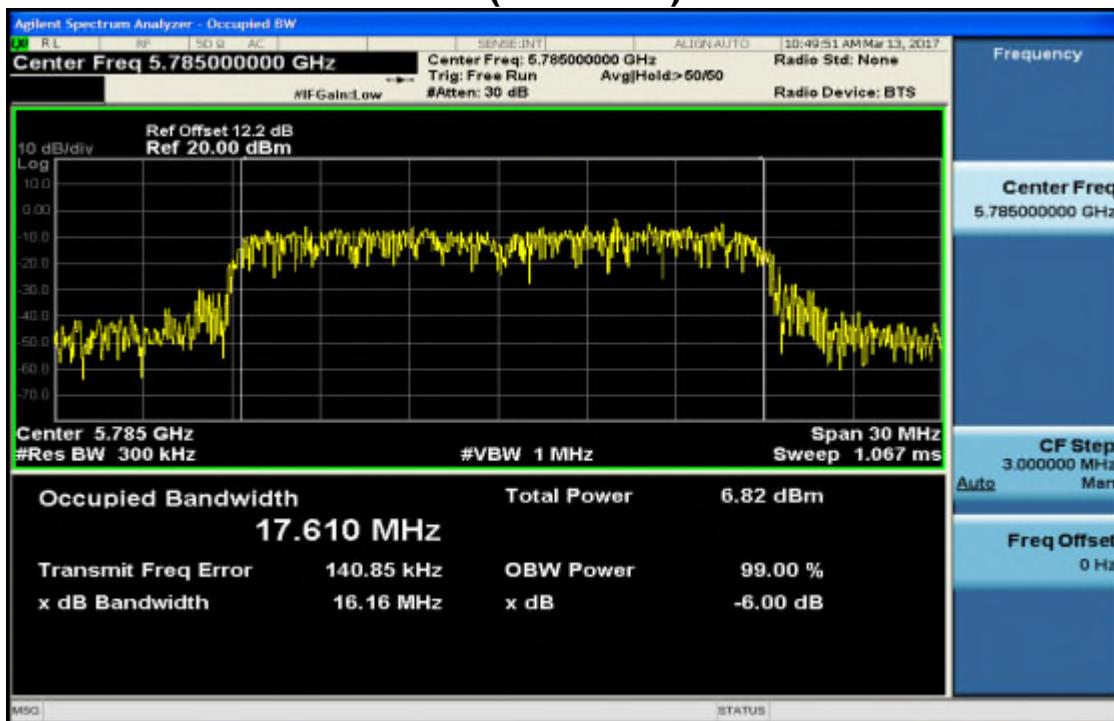
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802.11n_HT20, 5725~5850 MHz (Main) 6dB Band Width Test Data CH-Low (5745 MHz)



6dB Band Width Test Data CH-Mid (5785 MHz)



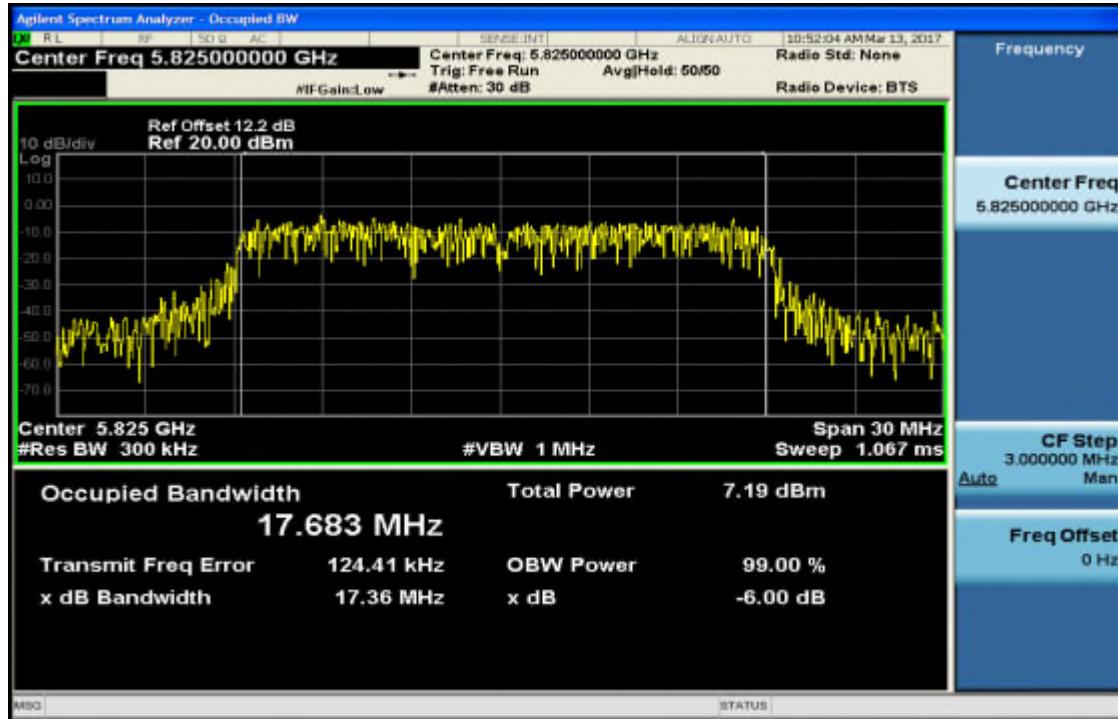
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6dB Band Width Test Data CH-High (5825 MHz)



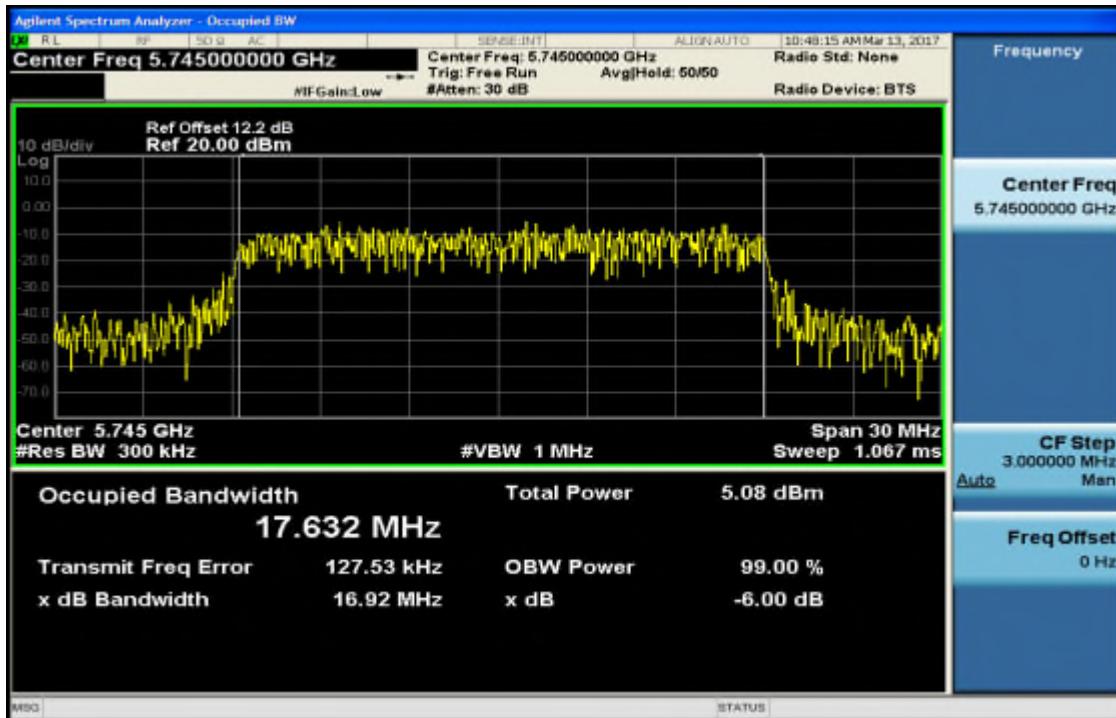
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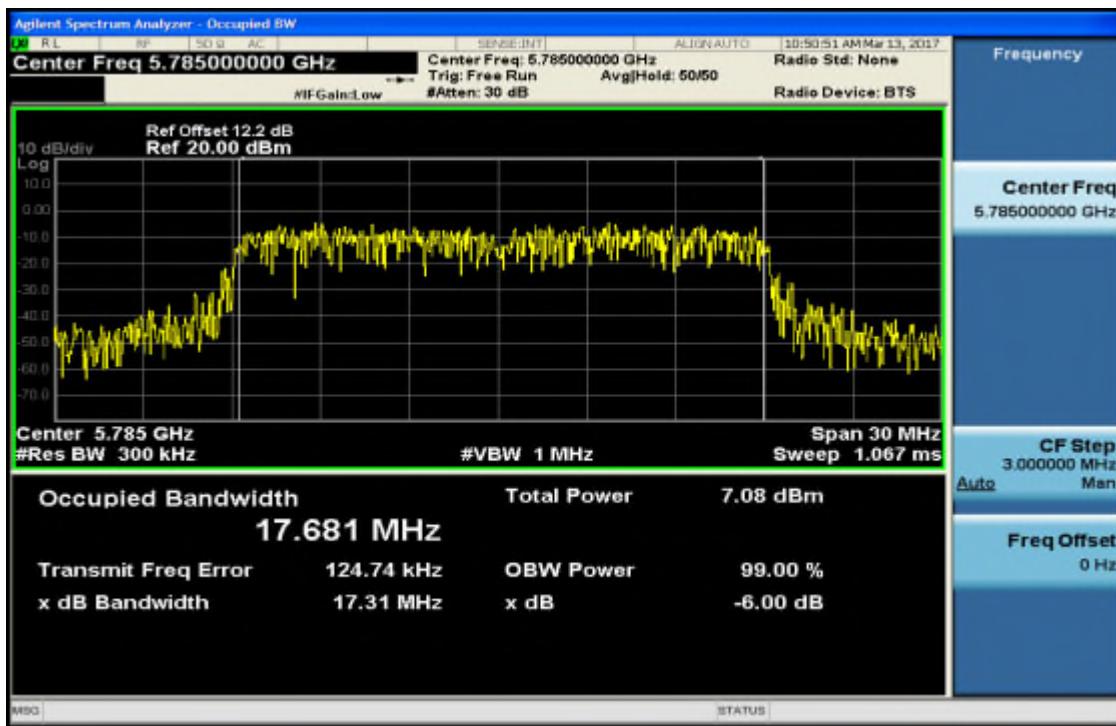
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802.11n_HT20, 5725~5850 MHz (Aux) 6dB Band Width Test Data CH-Low (5745 MHz)



6dB Band Width Test Data CH-Mid (5785 MHz)

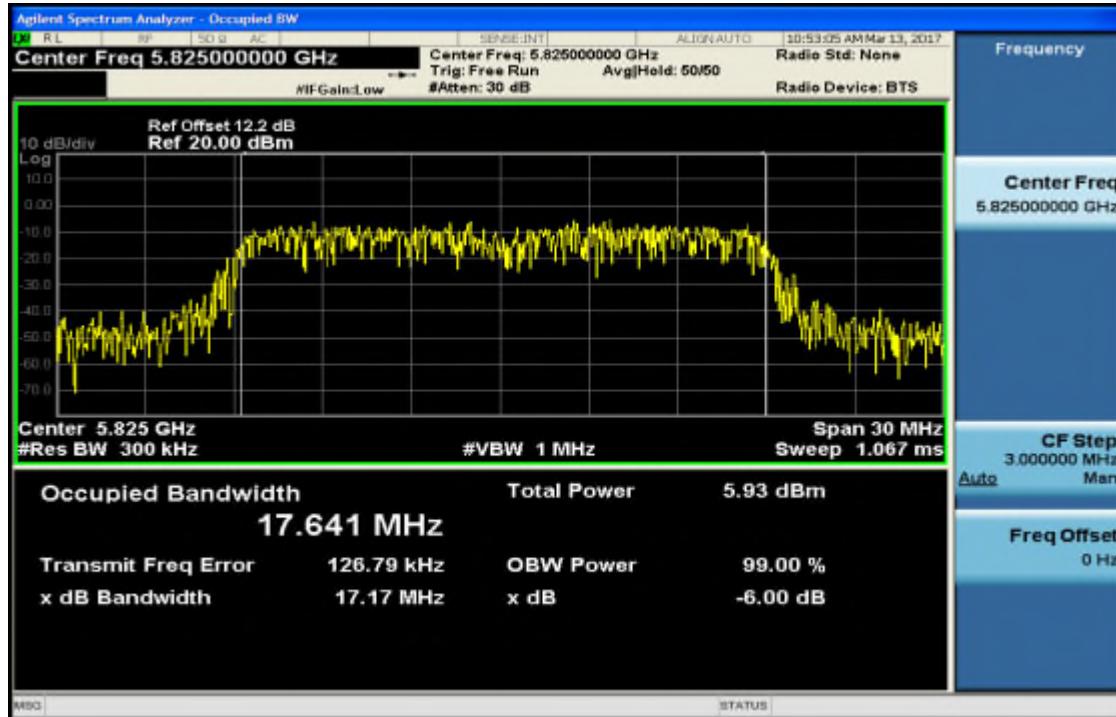


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6dB Band Width Test Data CH-High (5825 MHz)



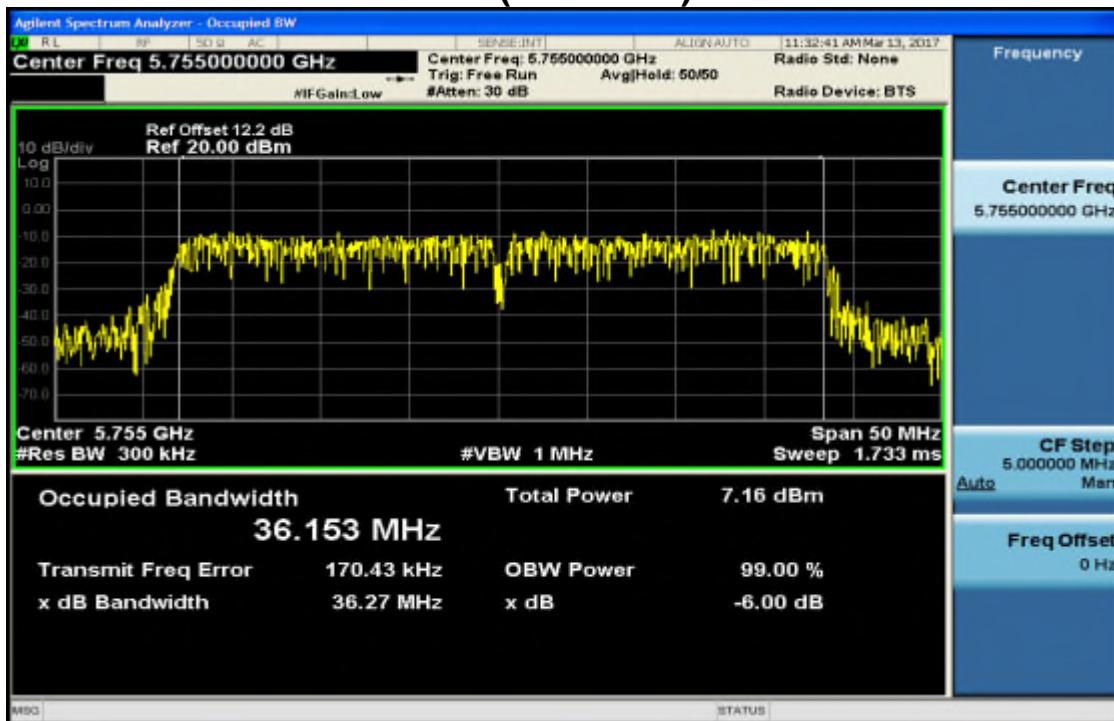
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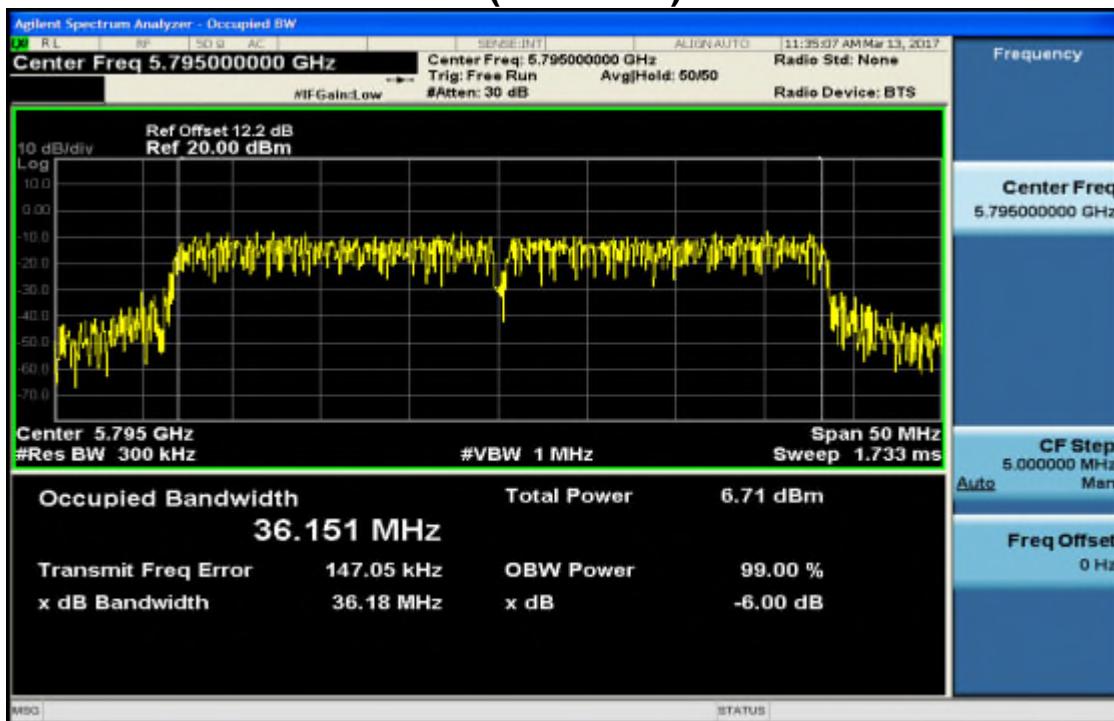
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802.11n_HT40, 5725~5850 MHz (Main) 6dB Band Width Test Data CH-Low (5755 MHz)



6dB Band Width Test Data CH-Mid (5795 MHz)



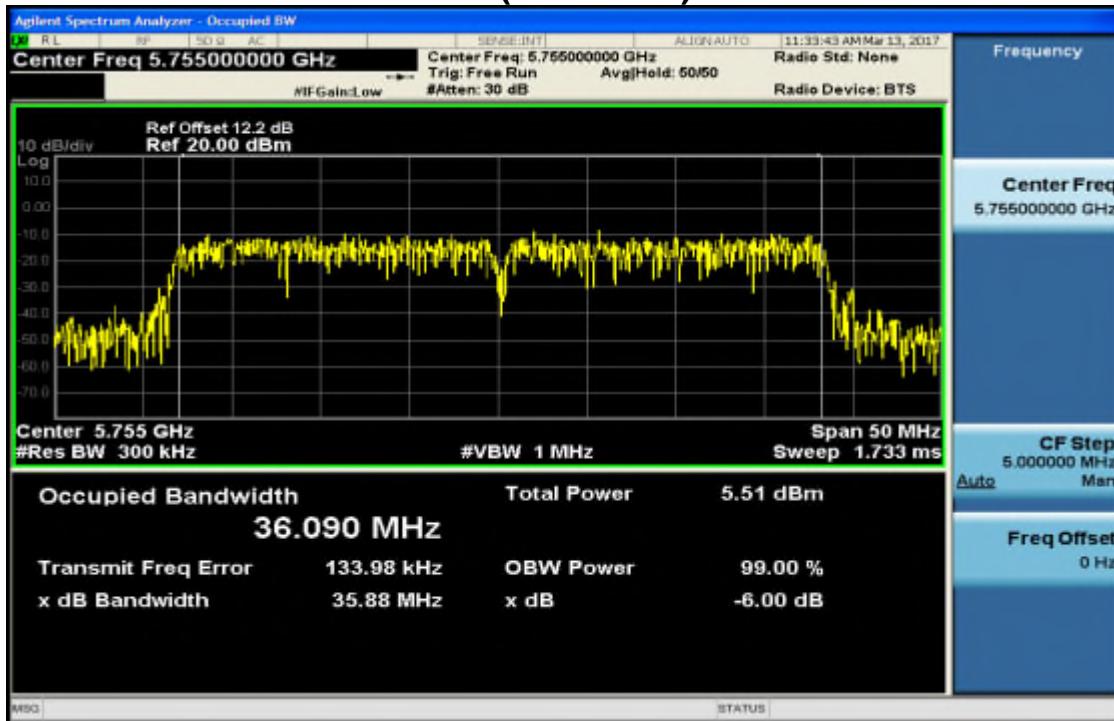
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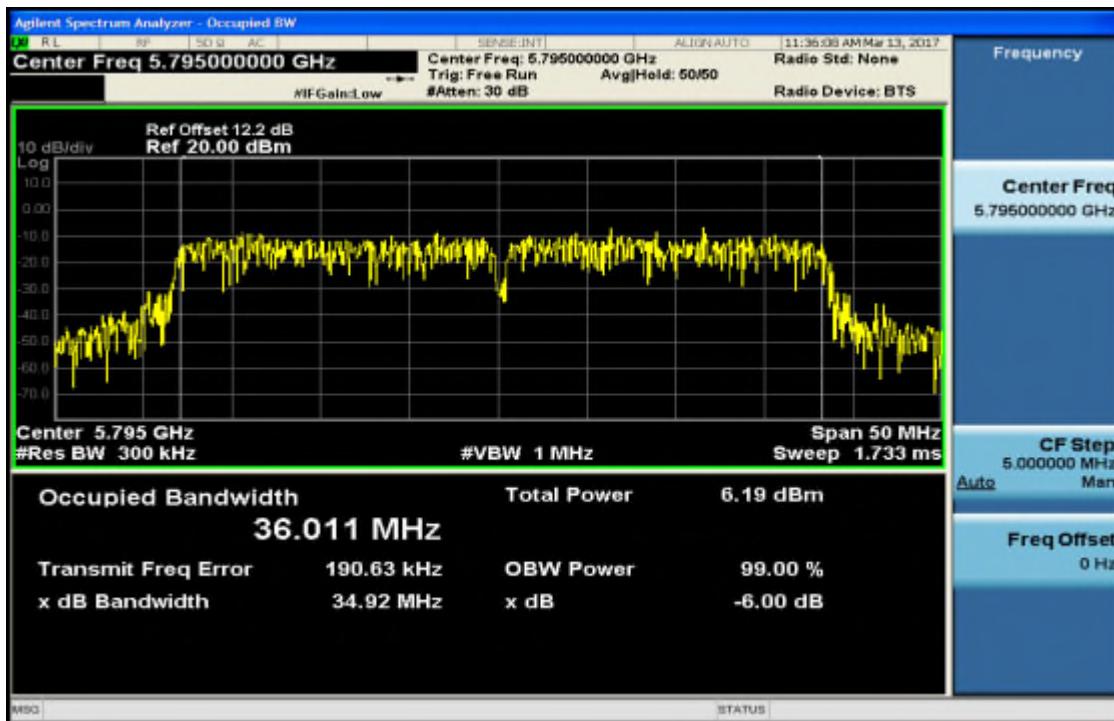
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802.11n_HT40, 5725~5850 MHz (Aux) 6dB Band Width Test Data CH-Low (5755 MHz)



6dB Band Width Test Data CH-Mid (5795 MHz)



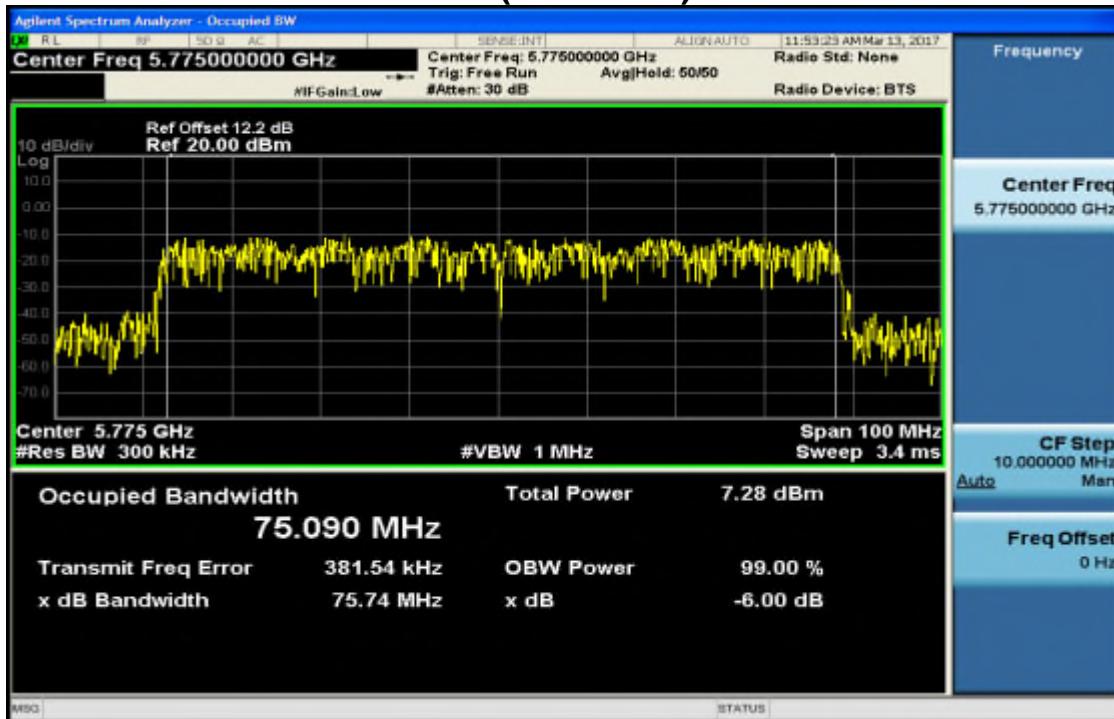
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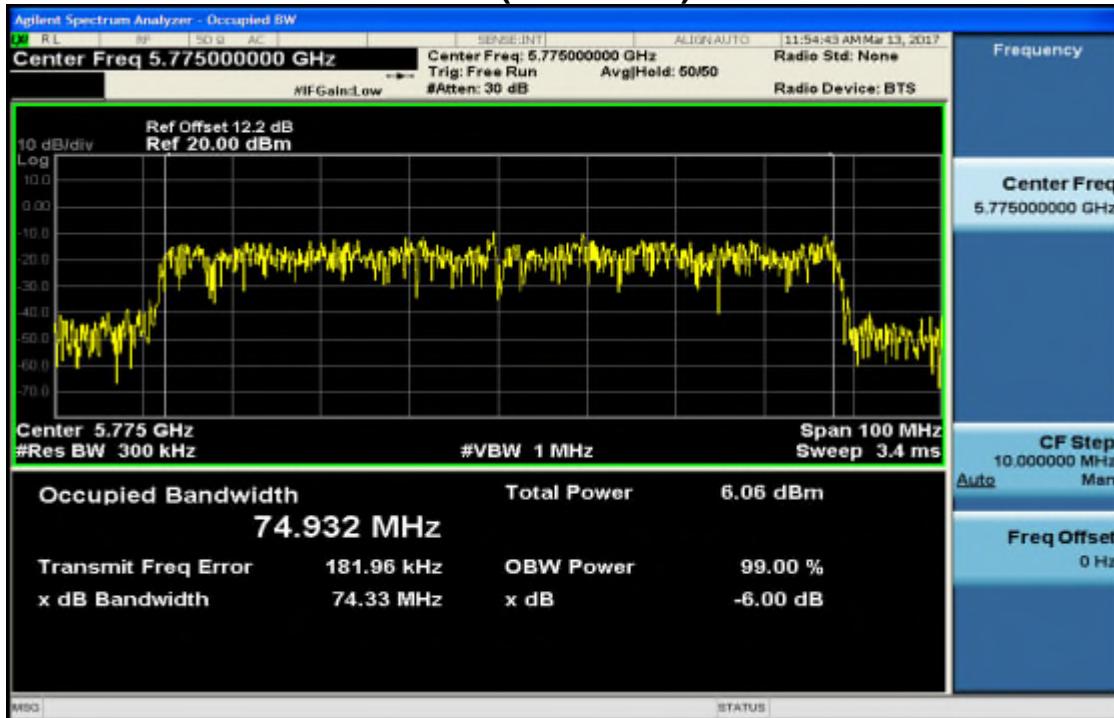
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802.11ac VHT80, 5725~5850 MHz (Main) 6dB Band Width Test Data CH-Low (5775 MHz)



802.11ac VHT80, 5725~5850 MHz (Aux) 6dB Band Width Test Data CH-Low (5775 MHz)



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9. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

9.1 Standard Applicable

FCC

OPERATION Band	EUT CATEGORY		LIMIT
U-NII-1		Access Point (Mater device)	1 Watt(30dBm)
		Fixed point-to-point Acess Ponit	1 Watt(30dBm)
	✓	Mobile and portable clinet device	250mW(23.98dBm)
U-NII-2A	✓		250mW(23.98dBm) or 11dBm+10 log B
U-NII-2C	✓		250mW(23.98dBm) or 11dBm+10 log B
U-NII-3	✓		1 Watt(30dBm)

IC

OPERATION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm
5250~5350 MHz	Conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$ EIRP shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm
5470-5600 MHz and 5650-5725 MHz	Conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$ EIRP shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm
5725~5850 MHz	Conducted output power shall not exceed 1 W

If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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The antenna gain is greater than 6 dBi in MIMO mode the limit reduce as below:

Directional gain = gain of antenna element + 10 log (# of TX antenna elements)

FCC

	Effective Legacy Gain (dBi)	Limit
UNII-2A	5.27+3.01=8.28dBi	23.98dBm – (8.28– 6 dBi) = 21.70dBm
U-NII-2C	5.27+3.01=8.28dBi	23.98dBm – (8.28– 6 dBi) = 21.70dBm

IC

	Effective Legacy Gain (dBi)	Limit
UNII-2A	5.27+3.01=8.28dBi	23.98dBm – (8.28– 6 dBi) = 21.70dBm
U-NII-2C	5.27+3.01=8.28dBi	23.98dBm – (8.28– 6 dBi) = 21.70dBm

Therefore the limit needs to reduce for the U-NII-2A and U-NII-2C band.

9.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add 10 log(1/duty cycle).
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

Note: For the overlapped channels between U-NII-2C and U-NII-3, and according to FCC KDB 644545 D03 the power is computed based on the portion of the emission bandwidth contained within that band. This rule is only applicable for those channels marked as overlapped.

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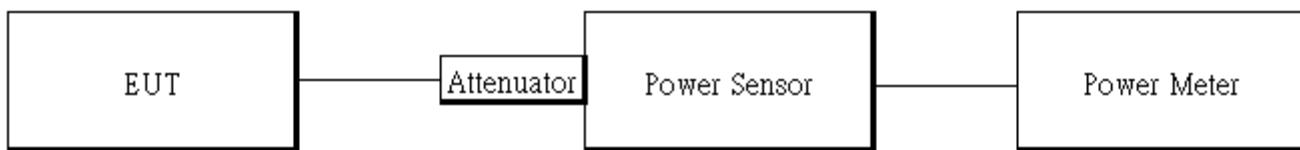
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9.3 Measurement Equipment Used

SGS Conducted Room					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2495A	1005007	12/15/2016	12/14/2017
Power Sensor	Anritsu	MA2411B	917032	12/15/2016	12/14/2017
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2017	02/25/2018
DC Block	Mini-Circuits	BLK-18-S+	1	01/05/2017	01/04/2018
Coaxial Cable	HU-BER+SUHNE R	SUCOFLEX 102	23670/2	01/05/2017	01/04/2018
Attenuator	Mini-Circuit	BW-S10W2+	2	01/05/2017	01/04/2018
Splitter	Agilent	11636B	N/A	01/05/2017	01/04/2018
DC Power Supply	Agilent	E3640A	MY52410006	11/21/2016	11/20/2017
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017

9.4 Test Set-up



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9.5 Measurement Result

Conducted output power (FCC)

802.11a_Main

CH	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)		RESULT
36	5180	6M	12.64	18.365	23.98		PASS
44	5220	6M	12.58	18.113	23.98		PASS
48	5240	6M	12.54	17.947	23.98		PASS
52	5260	6M	12.51	17.824	23.98 or $11+10\log(B) =$	23.19	PASS
60	5300	6M	12.51	17.824	23.98 or $11+10\log(B) =$	23.19	PASS
64	5320	6M	12.65	18.408	23.98 or $11+10\log(B) =$	23.19	PASS
100	5500	6M	12.55	17.989	23.98 or $11+10\log(B) =$	23.18	PASS
116	5580	6M	12.51	17.824	23.98 or $11+10\log(B) =$	23.18	PASS
140	5700	6M	12.54	17.947	23.98 or $11+10\log(B) =$	23.18	PASS
149	5745	6M	12.52	17.865	30		PASS
157	5785	6M	12.58	18.113	30		PASS
165	5825	6M	12.56	18.030	30		PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	Data Rate	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	MCS8	9.34	8.44	11.92	15.572	21.7	PASS
44	5220	MCS8	9.16	8.56	11.88	15.419	21.7	PASS
48	5240	MCS8	9.11	8.16	11.67	14.693	21.7	PASS
52	5260	MCS8	8.45	8.66	11.57	14.344	21.70 or $11+10\log(B) =$ 23.46	PASS
60	5300	MCS8	9.23	8.56	11.92	15.553	21.70 or $11+10\log(B) =$ 23.46	PASS
64	5320	MCS8	9.27	8.43	11.88	15.419	21.70 or $11+10\log(B) =$ 23.47	PASS
100	5500	MCS8	9.48	8.05	11.83	15.254	21.70 or $11+10\log(B) =$ 23.46	PASS
116	5580	MCS8	9.32	8.15	11.78	15.082	21.70 or $11+10\log(B) =$ 23.46	PASS
140	5700	MCS8	9.58	7.68	11.74	14.940	21.70 or $11+10\log(B) =$ 23.46	PASS
149	5745	MCS8	9.86	7.25	11.76	14.992	27.72	PASS
157	5785	MCS8	9.43	7.42	11.55	14.291	27.72	PASS
165	5825	MCS8	9.77	7.38	11.75	14.954	27.72	PASS

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802.11n_HT40_MIMO

CH	Frequency (MHz)	Data Rate	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
38	5190	MCS8	9.23	8.35	11.82	15.214	21.7	PASS
46	5230	MCS8	9.33	8.53	11.96	15.699	21.7	PASS
54	5270	MCS8	9.15	8.23	11.72	14.875	21.70 or $11+10\log(B) = 26.58$	PASS
62	5310	MCS8	9.24	8.43	11.86	15.361	21.70 or $11+10\log(B) = 26.58$	PASS
102	5510	MCS8	9.48	8.12	11.86	15.358	21.70 or $11+10\log(B) = 26.58$	PASS
110	5550	MCS8	9.43	8.46	11.98	15.785	21.70 or $11+10\log(B) = 26.58$	PASS
134	5670	MCS8	9.73	8.06	11.99	15.795	21.70 or $11+10\log(B) = 26.58$	PASS
151	5755	MCS8	9.76	7.05	11.62	14.532	27.72	PASS
159	5795	MCS8	9.73	7.34	11.71	14.817	27.72	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
42	5210	MCS0	7.82	5.11	9.68	9.297	21.7	PASS
58	5290	MCS0	7.99	5.49	9.93	9.835	21.70 or $11+10\log(B) = 29.78$	PASS
106	5530	MCS0	7.9	4.95	9.68	9.292	21.70 or $11+10\log(B) = 29.77$	PASS
122	5610	MCS0	8.03	5.46	9.94	9.869	21.70 or $11+10\log(B) = 29.78$	PASS
155	5775	MCS0	8.1	5.23	9.91	9.791	27.72	PASS

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Conducted output power (IC)

802.11a_Main

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	12.51	17.824	23.98 or $11+10\log(B) = 23.12$	PASS
60	5300	12.51	17.824	23.98 or $11+10\log(B) = 23.10$	PASS
64	5320	12.65	18.408	23.98 or $11+10\log(B) = 23.03$	PASS
100	5500	12.55	17.989	23.98 or $11+10\log(B) = 23.14$	PASS
116	5580	12.51	17.824	23.98 or $11+10\log(B) = 23.06$	PASS
140	5700	12.54	17.947	23.98 or $11+10\log(B) = 23.08$	PASS
149	5745	12.52	17.865	30	PASS
157	5785	12.58	18.113	30	PASS
165	5825	12.56	18.030	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	8.45	8.66	11.57	14.344	21.70 or $11+10\log(B) = 23.34$	PASS
60	5300	9.23	8.56	11.92	15.553	21.70 or $11+10\log(B) = 23.26$	PASS
64	5320	9.27	8.43	11.88	15.419	21.70 or $11+10\log(B) = 23.43$	PASS
100	5500	9.48	8.05	11.83	15.254	21.70 or $11+10\log(B) = 23.36$	PASS
116	5580	9.32	8.15	11.78	15.082	21.70 or $11+10\log(B) = 23.32$	PASS
140	5700	9.58	7.68	11.74	14.940	21.70 or $11+10\log(B) = 23.38$	PASS
149	5745	9.86	7.25	11.76	14.992	27.72	PASS
157	5785	9.43	7.42	11.55	14.291	27.72	PASS
165	5825	9.77	7.38	11.75	14.954	27.72	PASS

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802.11n_HT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	9.15	8.23	11.72	14.875	21.70 or $11+10\log(B) = 26.46$	PASS
62	5310	9.24	8.43	11.86	15.361	21.70 or $11+10\log(B) = 26.44$	PASS
102	5510	9.48	8.12	11.86	15.358	21.70 or $11+10\log(B) = 26.53$	PASS
110	5550	9.43	8.46	11.98	15.785	21.70 or $11+10\log(B) = 26.42$	PASS
134	5670	9.73	8.06	11.99	15.795	21.70 or $11+10\log(B) = 26.44$	PASS
151	5755	9.76	7.05	11.62	14.532	27.72	PASS
159	5795	9.73	7.34	11.71	14.817	27.72	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
58	5290	7.99	5.49	9.93	9.835	21.70 or $11+10\log(B) = 29.62$	PASS
106	5530	7.9	4.95	9.68	9.292	21.70 or $11+10\log(B) = 29.71$	PASS
155	5775	8.1	5.23	9.91	9.791	27.72	PASS

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EIRP (IC)

802.11a_Main

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT	
36	5180	12.64	5.270	17.91	61.802	23.01	or $10+10\log(B)=$	22.13	PASS
44	5220	12.58	5.270	17.85	60.954	23.01	or $10+10\log(B)=$	22.10	PASS
48	5240	12.54	5.270	17.81	60.395	23.01	or $10+10\log(B)=$	22.12	PASS
52	5260	12.51	5.270	17.78	59.979	30	or $17+10\log(B)=$	29.12	PASS
60	5300	12.51	5.270	17.78	59.979	30	or $17+10\log(B)=$	29.10	PASS
64	5320	12.65	5.270	17.92	61.944	30	or $17+10\log(B)=$	29.03	PASS
100	5500	12.55	5.270	17.82	60.534	30	or $17+10\log(B)=$	29.14	PASS
116	5580	12.51	5.270	17.78	59.979	30	or $17+10\log(B)=$	29.06	PASS
140	5700	12.54	5.270	17.81	60.395	30	or $17+10\log(B)=$	29.08	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT	
36	5180	11.92	8.280	20.20	104.799	23.01	or $10+10\log(B)=$	22.23	PASS
44	5220	11.88	8.280	20.16	103.768	23.01	or $10+10\log(B)=$	22.32	PASS
48	5240	11.67	8.280	19.95	98.883	23.01	or $10+10\log(B)=$	22.36	PASS
52	5260	11.57	8.280	19.85	96.529	30	or $17+10\log(B)=$	29.34	PASS
60	5300	11.92	8.280	20.20	104.670	30	or $17+10\log(B)=$	29.26	PASS
64	5320	11.88	8.280	20.16	103.767	30	or $17+10\log(B)=$	29.43	PASS
100	5500	11.83	8.280	20.11	102.657	30	or $17+10\log(B)=$	29.36	PASS
116	5580	11.78	8.280	20.06	101.498	30	or $17+10\log(B)=$	29.32	PASS
140	5700	11.74	8.280	20.02	100.540	30	or $17+10\log(B)=$	29.38	PASS

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802.11n_HT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)		RESULT
38	5190	11.82	8.280	20.10	102.389	23.01	or $10+10\log(B)=$	25.56
46	5230	11.96	8.280	20.24	105.650	23.01	or $10+10\log(B)=$	25.48
54	5270	11.72	8.280	20.00	100.106	30	or $17+10\log(B)=$	32.46
62	5310	11.86	8.280	20.14	103.375	30	or $17+10\log(B)=$	32.44
102	5510	11.86	8.280	20.14	103.355	30	or $17+10\log(B)=$	32.53
110	5550	11.98	8.280	20.26	106.226	30	or $17+10\log(B)=$	32.42
134	5670	11.99	8.280	20.27	106.294	30	or $17+10\log(B)=$	32.44

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)		REQUIRED LIMIT (dBm)	RESULT	
42	5210	9.68	8.280	17.96	62.565	23.01	or $10+10\log(B)=$	28.71
58	5290	9.93	8.280	18.21	66.187	30	or $17+10\log(B)=$	35.62
106	5530	9.68	8.280	17.96	62.533	30	or $17+10\log(B)=$	35.71

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10. PEAK POWER SPECTRAL DENSITY

10.1 Standard Applicable

FCC

OPERATION Band	EUT CATEGORY		LIMIT
U-NII-1	Access Point (Master device)		17dBm/ MHz
	Fixed point-to-point Access Point		
	✓	Mobile and portable client device	11dBm/ MHz
U-NII-2A	✓		11dBm/ MHz
U-NII-2C	✓		11dBm/ MHz
U-NII-3	✓		30dBm/ 500kHz

IC

OPERATION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP spectral density 10 dBm / MHz
5250~5350 MHz	11dBm / MHz
5470-5600 MHz and 5650-5725 MHz	11dBm / MHz
5725~5850 MHz	30dBm / 500 kHz

If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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The antenna gain is greater than 6 dBi in MIMO mode the limit reduce as below:

Directional gain = gain of antenna element + 10 log (# of TX antenna elements)

FCC

	Effective Legacy Gain (dBi)	Limit
UNII-1	5.27+3.01=8.28dBi	11dBm – (8.28– 6 dBi) = 8.72dBm
UNII-2A	5.27+3.01=8.28dBi	11dBm – (8.28– 6 dBi) = 8.72dBm
U-NII-2C	5.27+3.01=8.28dBi	11dBm – (8.28– 6 dBi) = 8.72dBm
U-NII-3	5.27+3.01=8.28dBi	30dBm – (8.28– 6 dBi) = 27.72dBm

IC

	Effective Legacy Gain (dBi)	Limit
UNII-2A	5.27+3.01=8.28dBi	11dBm – (8.28– 6 dBi) = 8.72dBm
U-NII-2C	5.27+3.01=8.28dBi	11dBm – (8.28– 6 dBi) = 8.72dBm
U-NII-3	5.27+3.01=8.28dBi	30dBm – (8.28– 6 dBi) = 27.72dBm

Therefore the limit needs to reduce for the UNII-1, U-NII-2A, U-NII-2C and U-NII-3 band.

10.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. **For U-NII1, U-NII-2A, U-NII-2C Band:**

Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)

For U-NII-3 Band:

Set RBW=500 kHz, VBW \geq 3RBW, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)

5. Use the cursor on spectrum to peak search the highest level of trace
6. Record the max. reading and add 10 log(1/duty cycle).
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.

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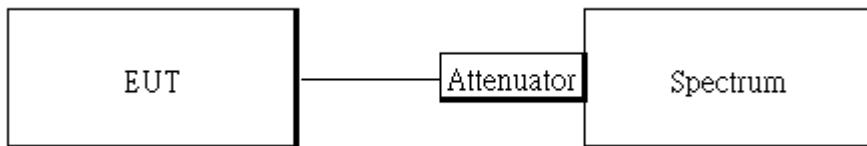
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Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome

10.3 Measurement Equipment Used

SGS Conducted Room					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2495A	1005007	12/15/2016	12/14/2017
Power Sensor	Anritsu	MA2411B	917032	12/15/2016	12/14/2017
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2017	02/25/2018
DC Block	Mini-Circuits	BLK-18-S+	1	01/05/2017	01/04/2018
Coaxial Cable	HU-BER+SUHNE R	SUCOFLEX 102	23670/2	01/05/2017	01/04/2018
Attenuator	Mini-Circuit	BW-S10W2+	2	01/05/2017	01/04/2018
Splitter	Agilent	11636B	N/A	01/05/2017	01/04/2018
DC Power Supply	Agilent	E3640A	MY52410006	11/21/2016	11/20/2017
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017

10.4 Test Set-up



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10.5 Measurement Result

POWER DENSITY 802.11a MODE			
Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margin (dB)
5180	-1.31	11	-12.31
5220	-1.61	11	-12.61
5240	-1.44	11	-12.44
5260	-1.54	11	-12.54
5300	-1.69	11	-12.69
5320	-1.14	11	-12.14
5500	-1.27	11	-12.27
5580	-0.92	11	-11.92
5700	-1.15	11	-12.15
5745	5.22	30	-24.78
5785	5.85	30	-24.15
5825	5.53	30	-24.47

POWER DENSITY 802.11n HT20 MODE			
Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margin (dB)
5180	-1.40	8.72	-10.12
5220	-2.37	8.72	-11.09
5240	-2.65	8.72	-11.37
5260	-2.68	8.72	-11.40
5300	-2.95	8.72	-11.67
5320	-3.19	8.72	-11.91
5500	-2.51	8.72	-11.23
5580	-3.16	8.72	-11.88
5700	-2.84	8.72	-11.56
5745	4.01	27.72	-23.71
5785	4.58	27.72	-23.14
5825	4.50	27.72	-23.22

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POWER DENSITY 802.11n HT40 MODE

Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margin (dB)
5190	-5.59	8.72	-14.31
5230	-6.43	8.72	-15.15
5270	-6.43	8.72	-15.15
5310	-6.17	8.72	-14.89
5510	-5.96	8.72	-14.68
5550	-5.88	8.72	-14.60
5670	-5.82	8.72	-14.54
5755	2.36	27.72	-25.36
5795	2.00	27.72	-25.72

POWER DENSITY 802.11ac VHT80 MODE

Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Margin (dB)
5210	-8.04	8.72	-16.76
5290	-8.74	8.72	-17.46
5530	-7.91	8.72	-16.63
5610	-7.86	8.72	-16.58
5775	0.37	27.72	-27.35

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EIRP

EIRP spectral density 802.11a MODE					
Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	-1.31	5.27	3.96	10	-6.04
5220	-1.61	5.27	3.66	10	-6.34
5240	-1.44	5.27	3.83	10	-6.17

EIRP spectral density 802.11n HT20 MODE					
Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	-1.40	8.28	6.88	10	-3.12
5220	-2.37	8.28	5.91	10	-4.09
5240	-2.65	8.28	5.63	10	-4.37

EIRP spectral density 802.11n HT40 MODE					
Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	-5.59	8.28	2.69	10	-7.31
5220	-6.43	8.28	1.85	10	-8.15

EIRP spectral density 802.11ac VHT80 MODE					
Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5210	-8.04	8.28	0.24	10	-9.76

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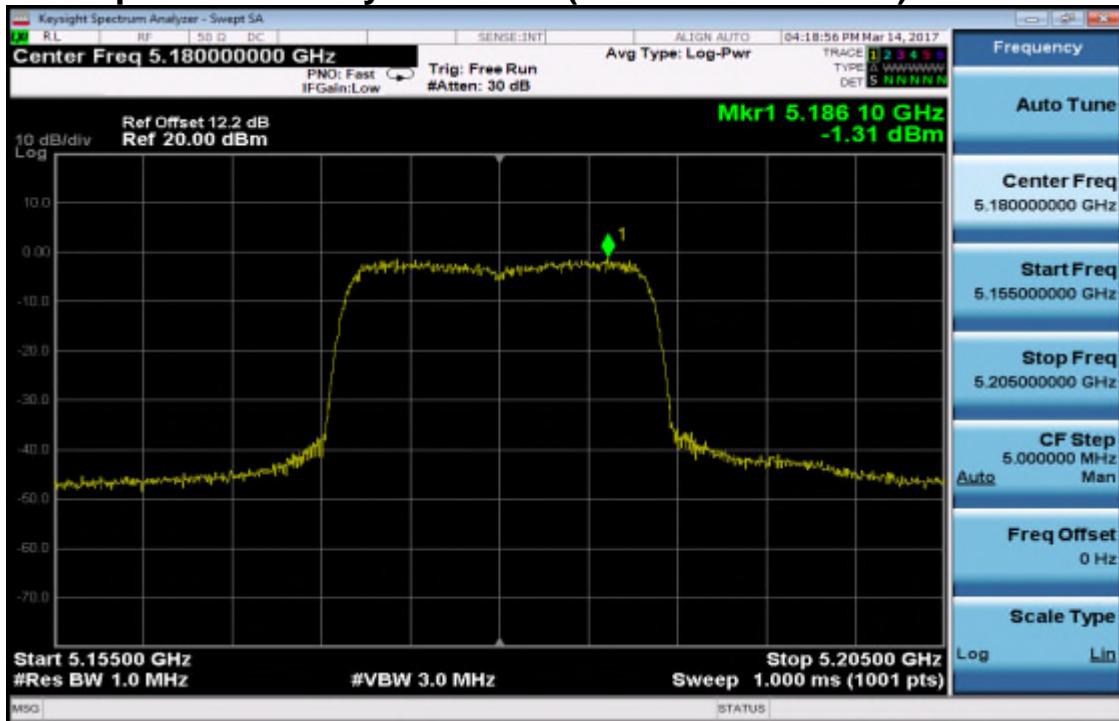
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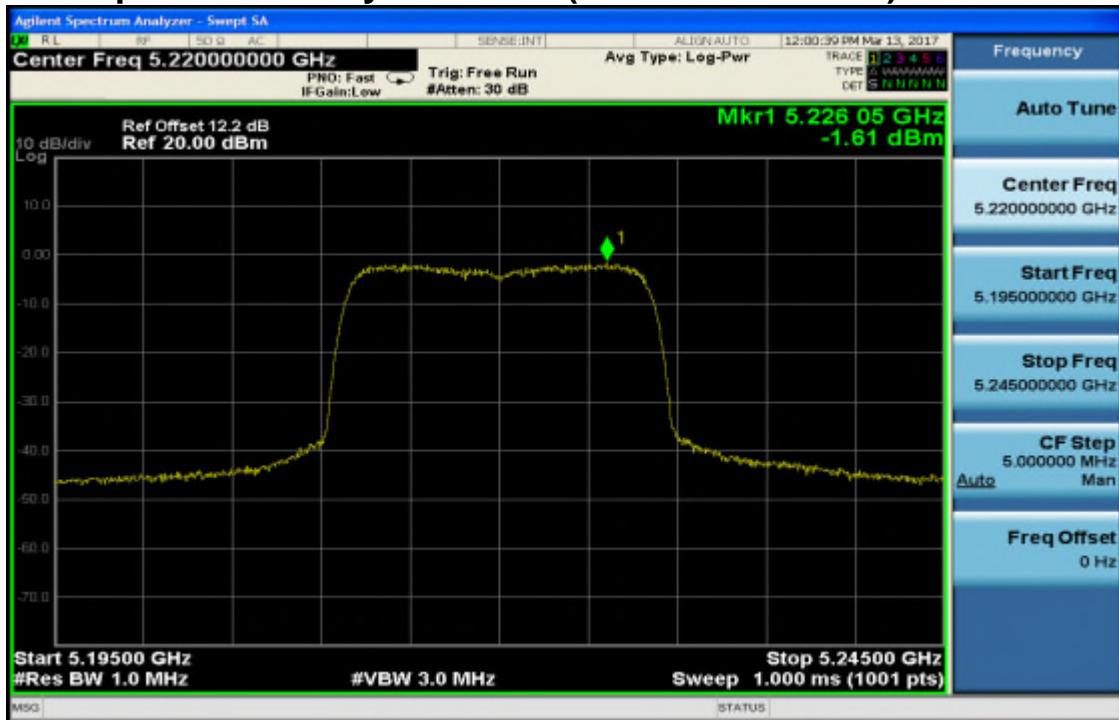
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802.11a 5150~5250 MHz

Peak Power Spectral Density Data Plot (CH Low 5180 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5220 MHz)



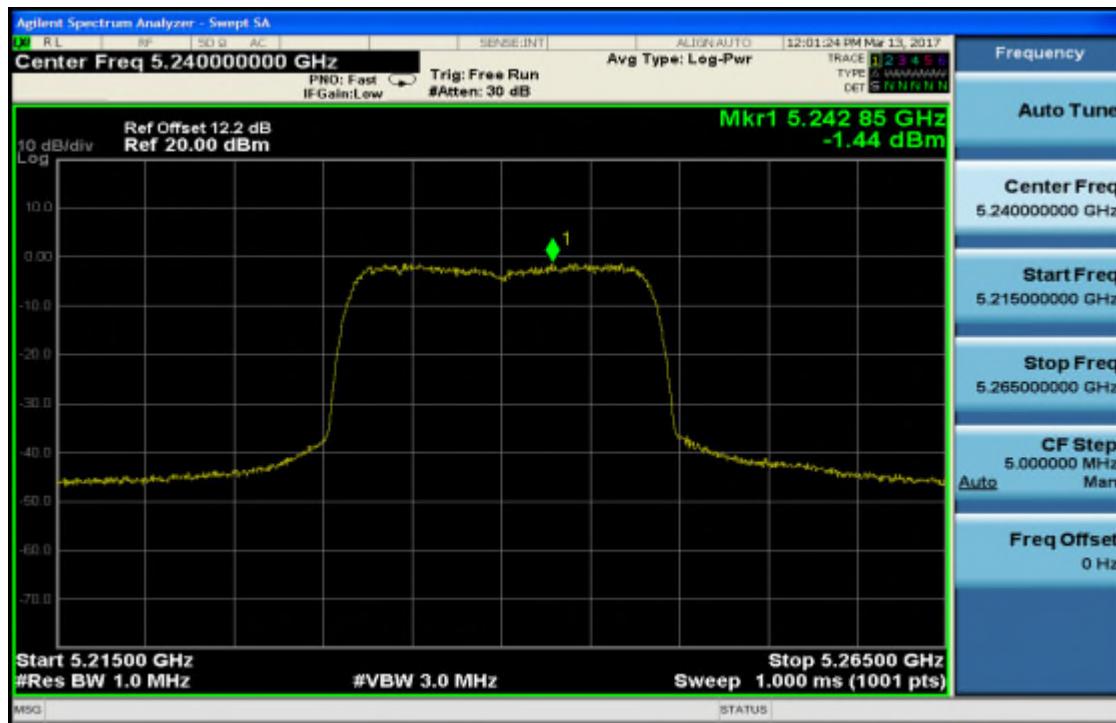
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Peak Power Spectral Density Data Plot (CH High 5240 MHz)



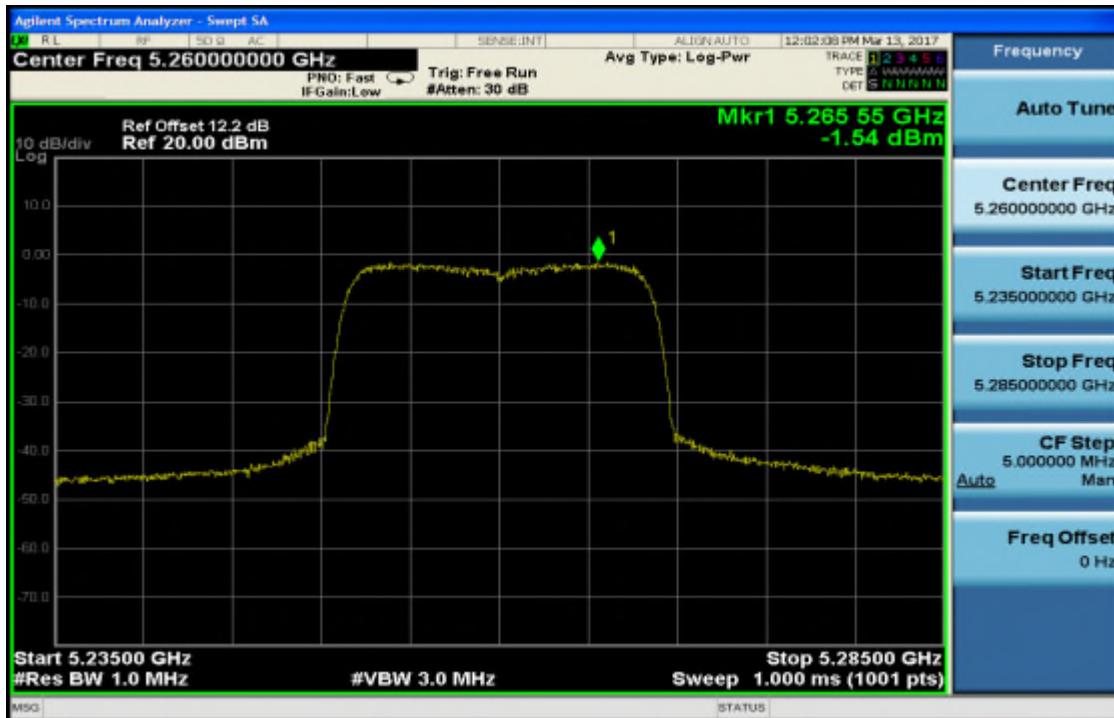
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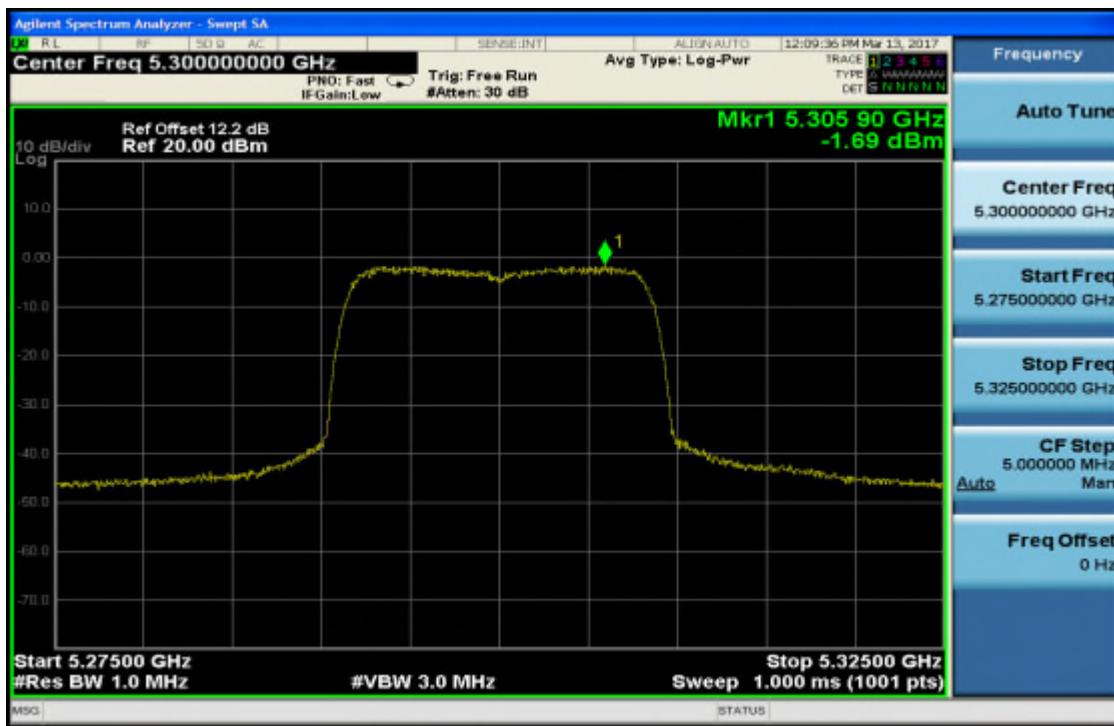
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802.11a 5250~5350 MHz

Peak Power Spectral Density Data Plot (CH Low 5260 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5300 MHz)



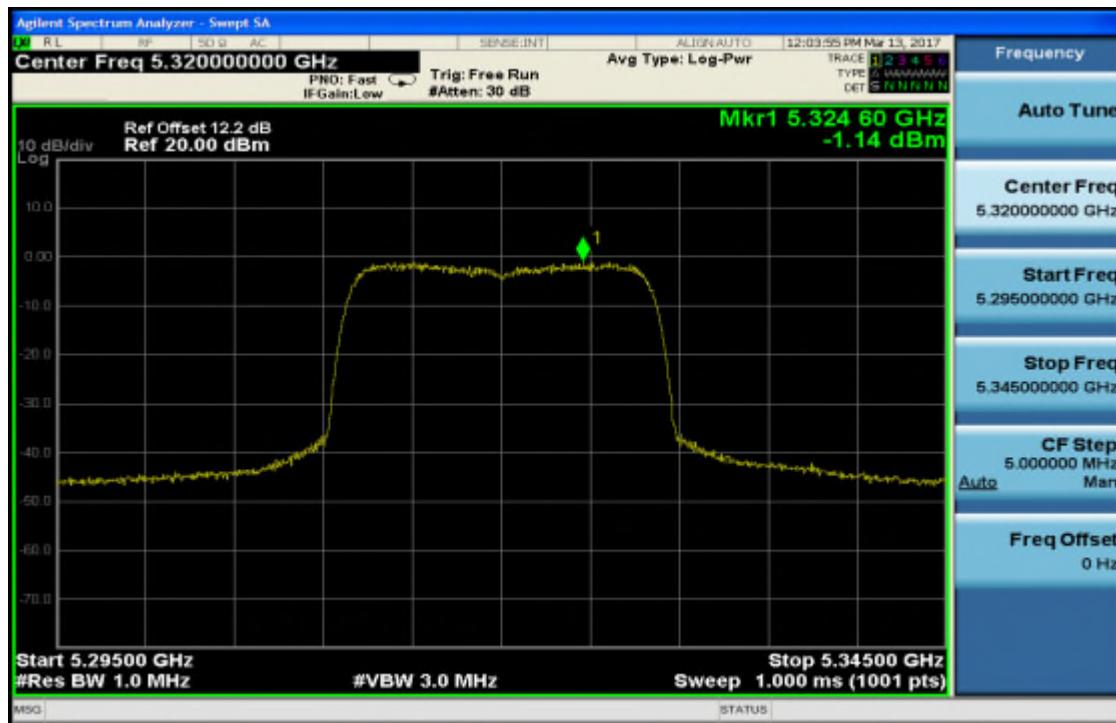
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Peak Power Spectral Density Data Plot (CH High 5320 MHz)



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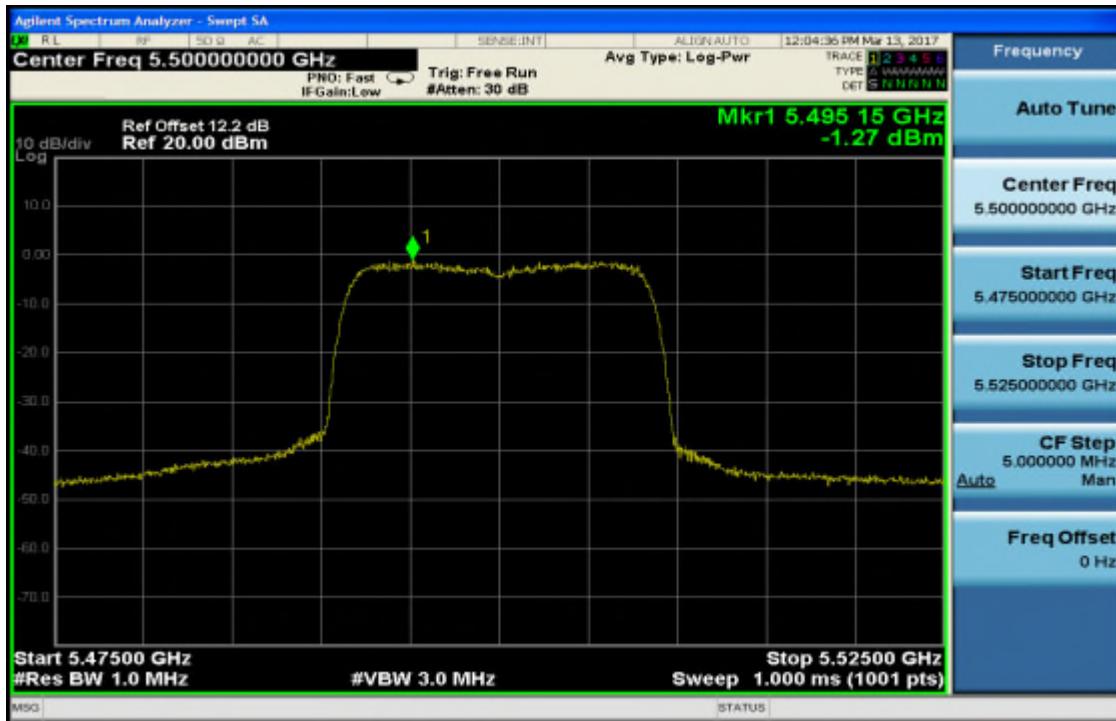
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802.11a 5470~5725 MHz

Peak Power Spectral Density Data Plot (CH Low 5500 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5580 MHz)



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Peak Power Spectral Density Data Plot (CH High 5700 MHz)



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802.11a 5725~5850 MHz

Peak Power Spectral Density Data Plot (CH Low 5745 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5785 MHz)



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Peak Power Spectral Density Data Plot (CH High 5825 MHz)



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802.11n HT20, 5150~5250 MHz

Peak Power Spectral Density Data Plot (CH Low 5180 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5220 MHz)



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Peak Power Spectral Density Data Plot (CH High 5240 MHz)

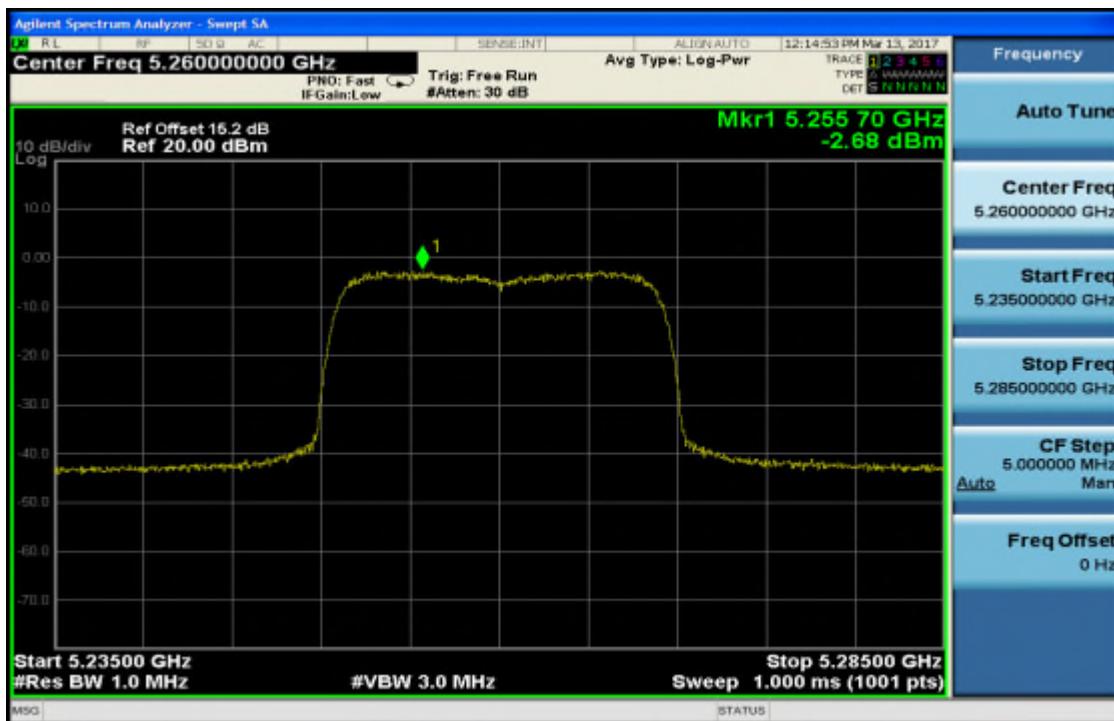


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802.11n HT20, 5250~5350 MHz Peak Power Spectral Density Data Plot (CH Low 5260MHz)



Peak Power Spectral Density Data Plot (CH Mid 5300 MHz)



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Peak Power Spectral Density Data Plot (CH High 5320 MHz)



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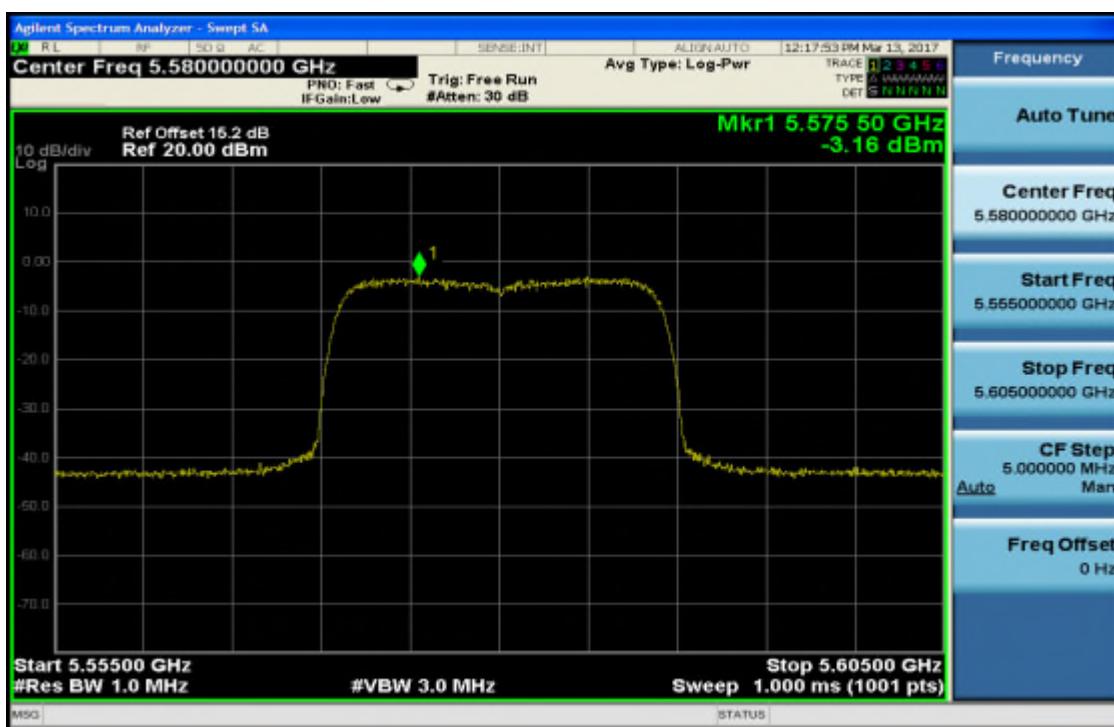
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802.11n HT20, 5470~5725 MHz Peak Power Spectral Density Data Plot (CH Low 5500 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5580MHz)



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Peak Power Spectral Density Data Plot (CH High 5700 MHz)



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802.11n HT20, 5725~5850 MHz

Peak Power Spectral Density Data Plot (CH Low 5745 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5785 MHz)



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Peak Power Spectral Density Data Plot (CH High 5825 MHz)

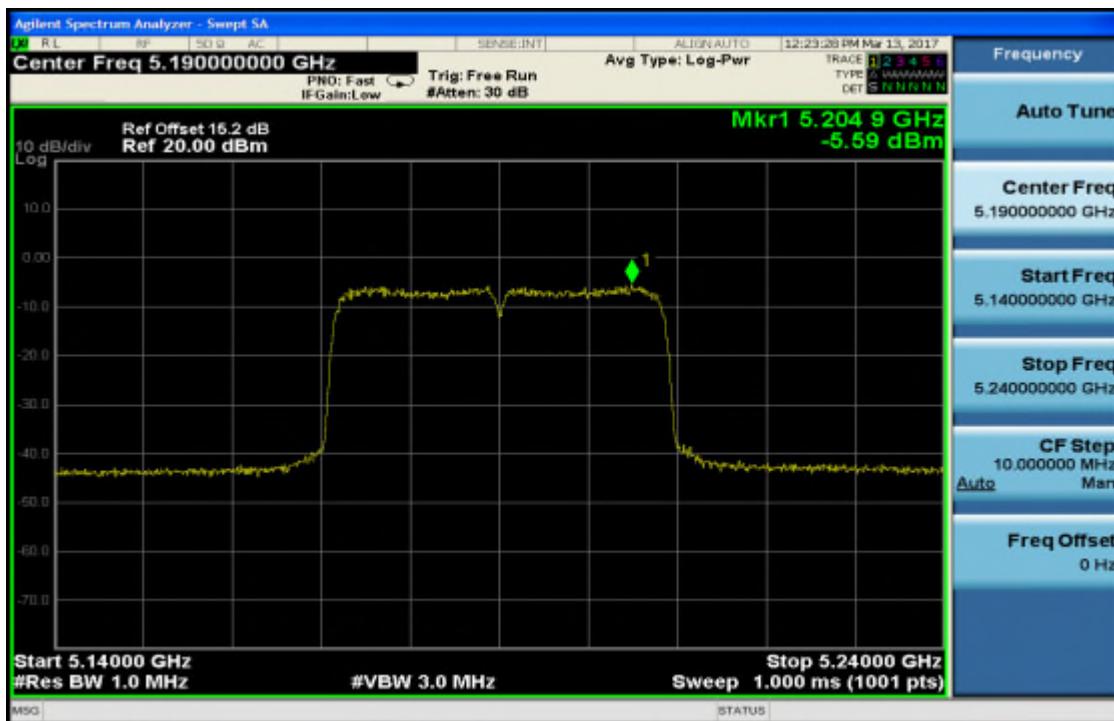


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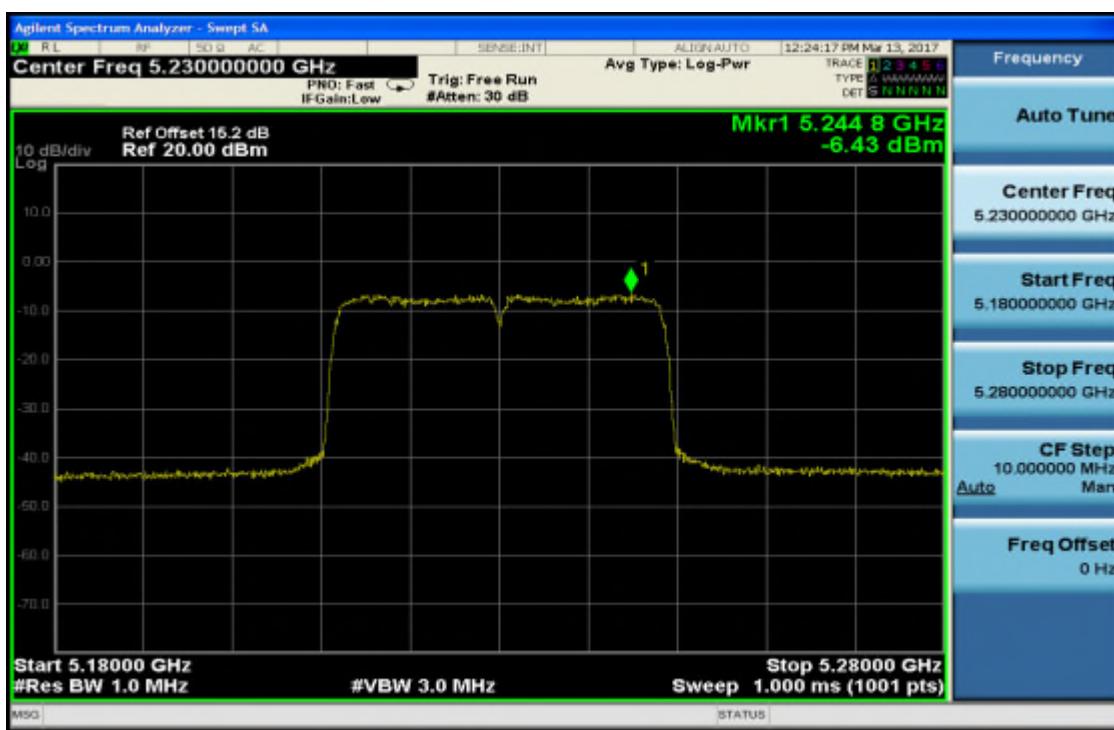
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802.11n HT40, 5150~5250 MHz Peak Power Spectral Density Data Plot (CH Low 5190 MHz)



Peak Power Spectral Density Data Plot (CH High 5230 MHz)



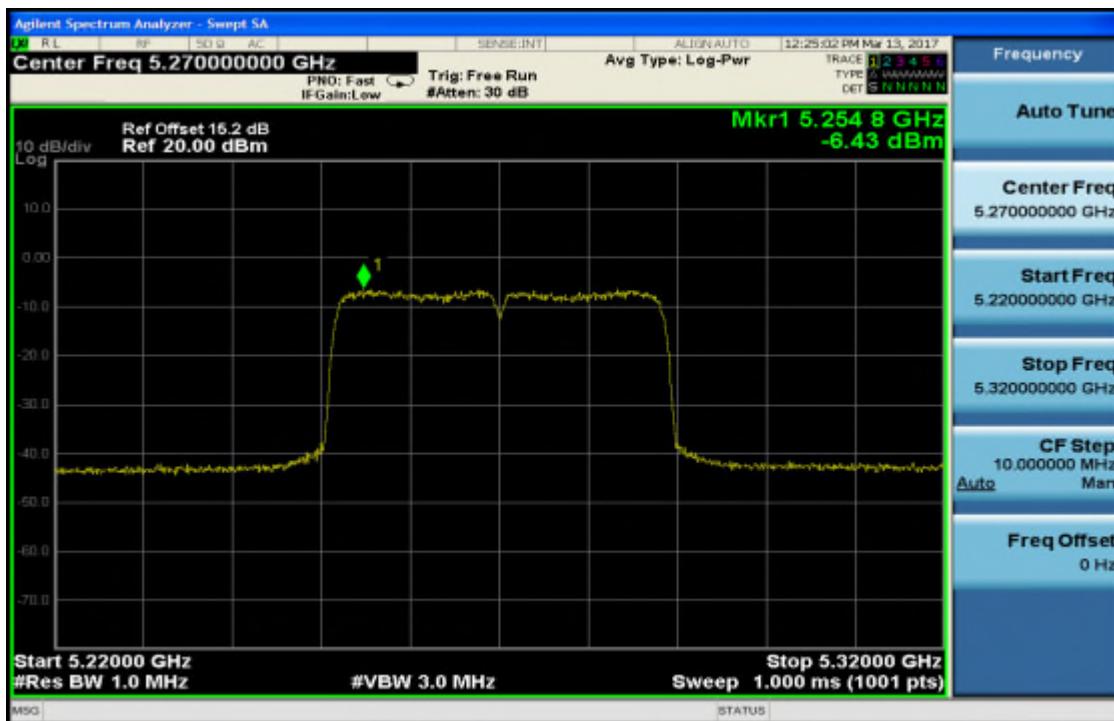
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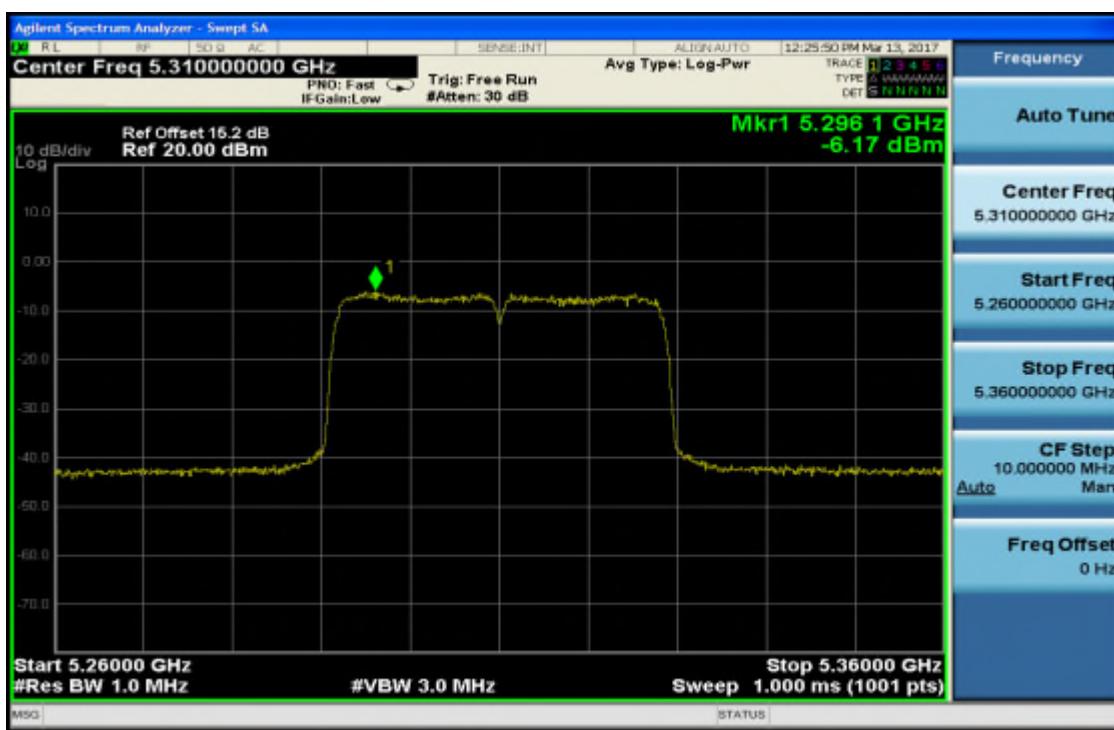
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802.11n HT40, 5250~5350 MHz Peak Power Spectral Density Data Plot (CH Low 5270 MHz)



Peak Power Spectral Density Data Plot (CH High 5310 MHz)



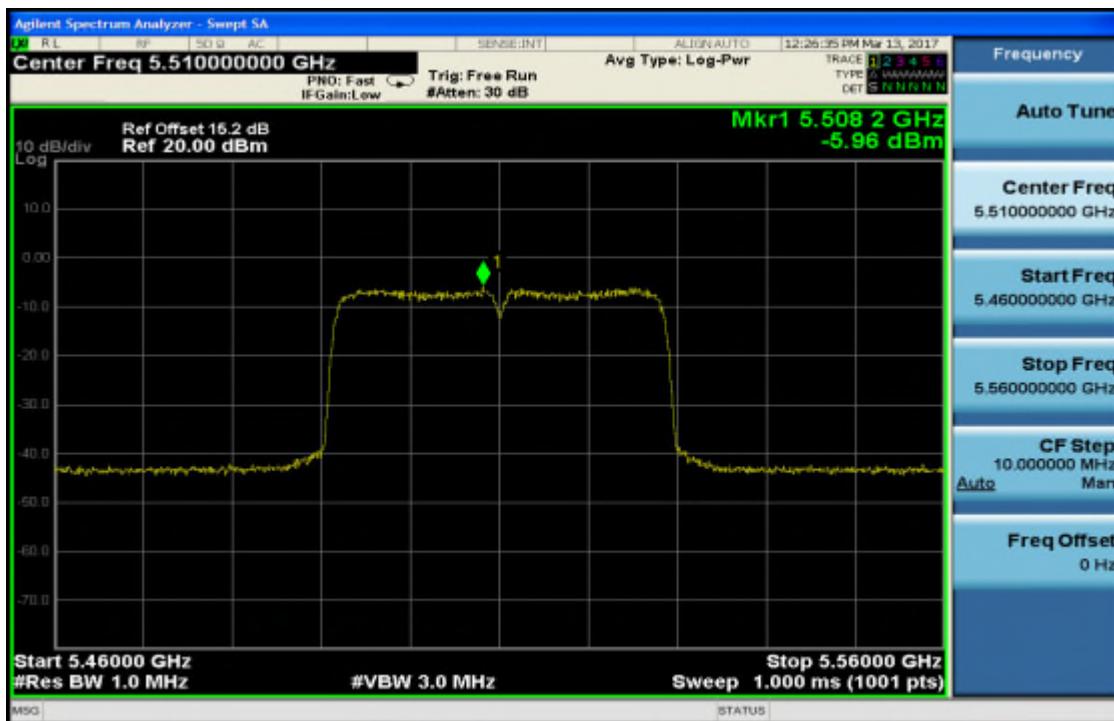
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802.11n HT40, 5470~5725 MHz Peak Power Spectral Density Data Plot (CH Low 5510 MHz)



Peak Power Spectral Density Data Plot (CH Mid 5550 MHz)



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Peak Power Spectral Density Data Plot (CH High 5670 MHz)



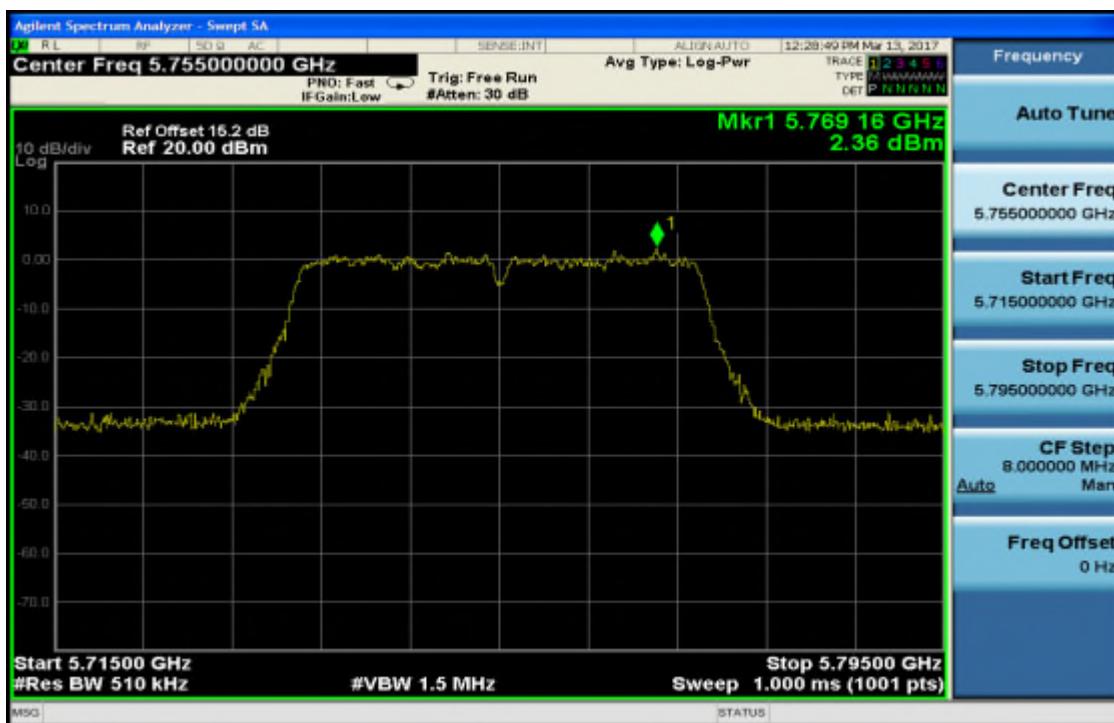
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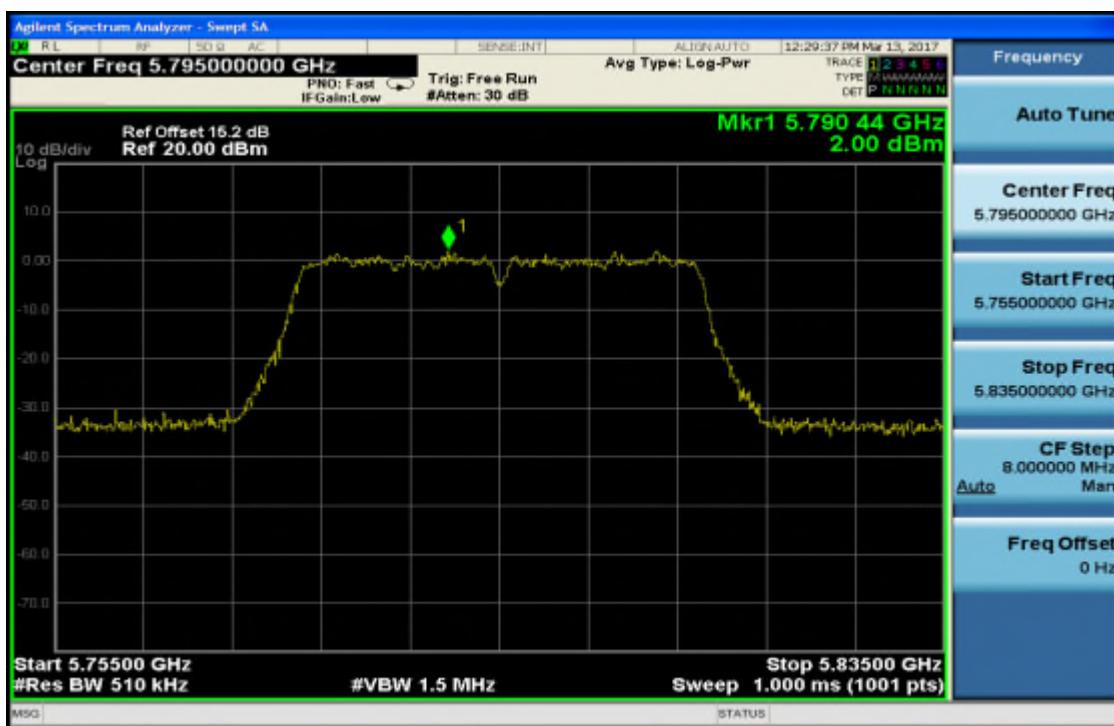
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802.11n HT40, 5725~5850 MHz Peak Power Spectral Density Data Plot (CH Low 5755 MHz)



Peak Power Spectral Density Data Plot (CH High 5795 MHz)



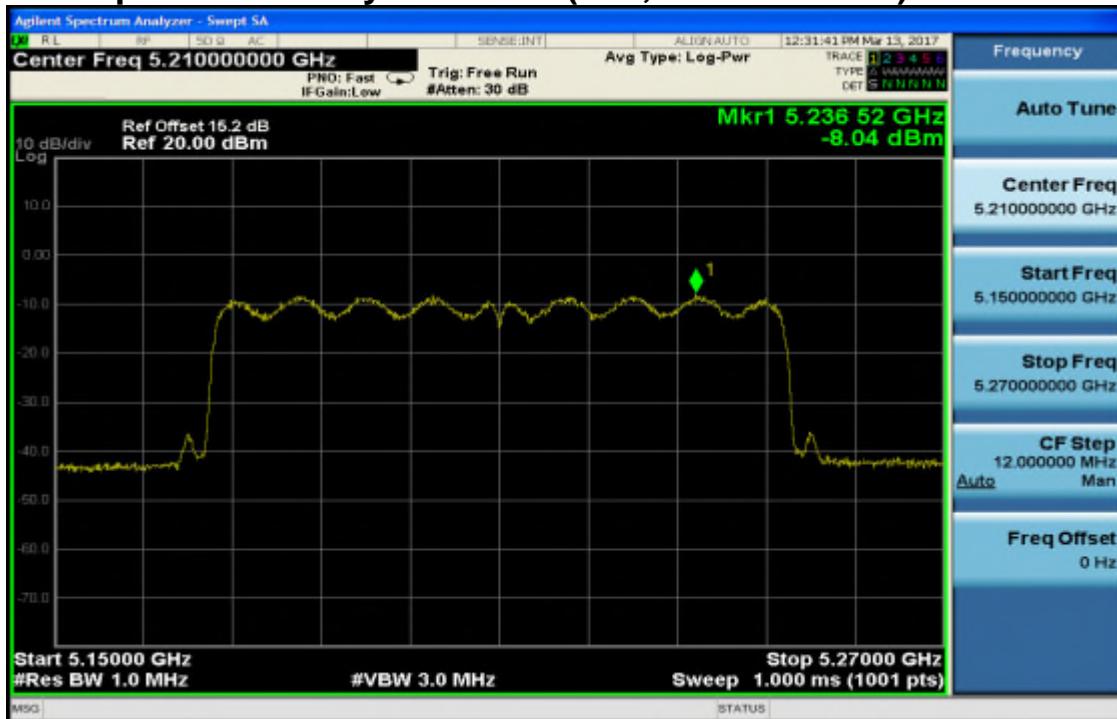
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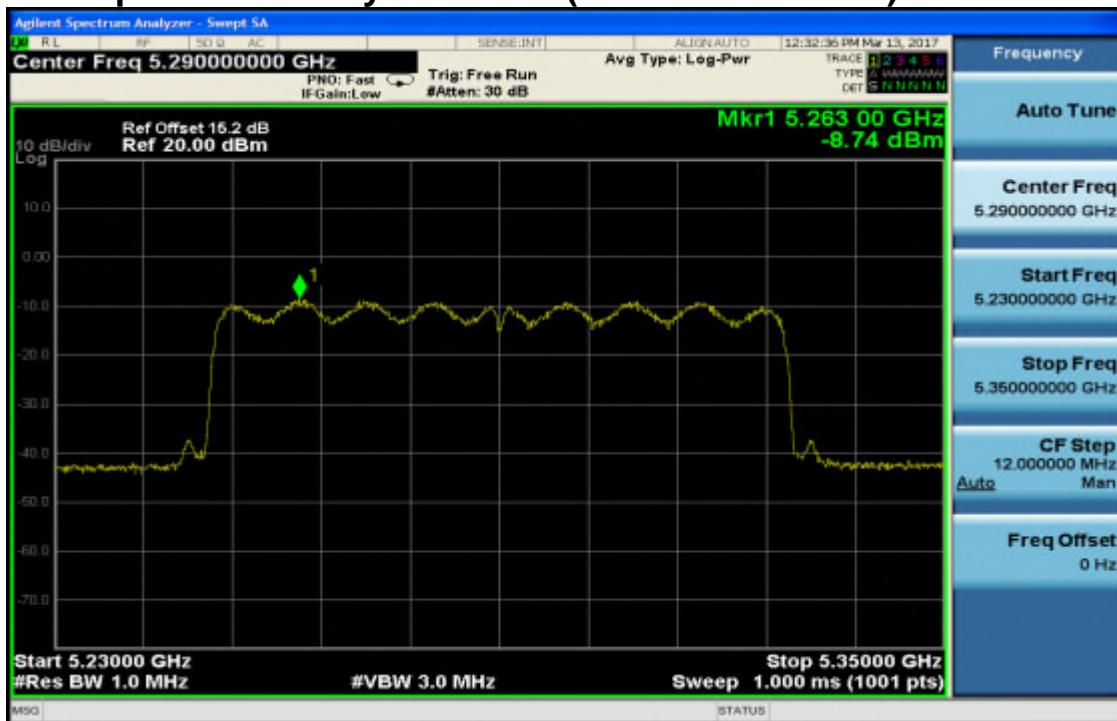
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802.11ac VHT80, 5150~5250 MHz Peak Power Spectral Density Data Plot (CH ,Mid 5210 MHz)



802.11ac VHT80, 5250~5350 MHz Peak Power Spectral Density Data Plot (CH Mid 5290 MHz)



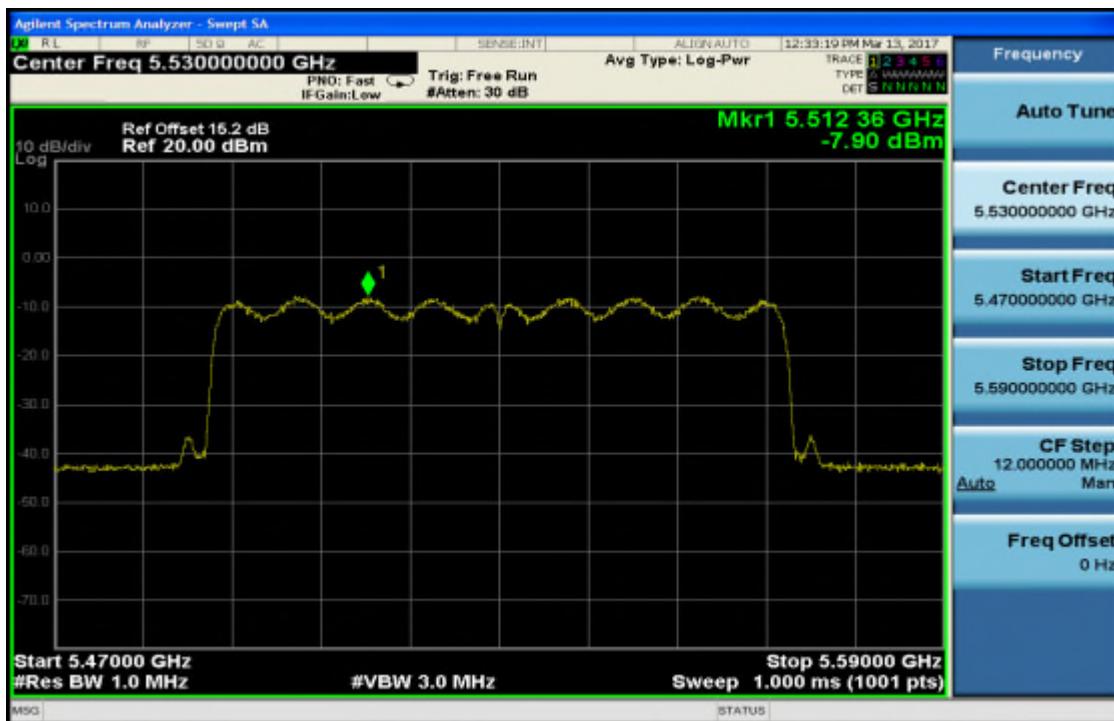
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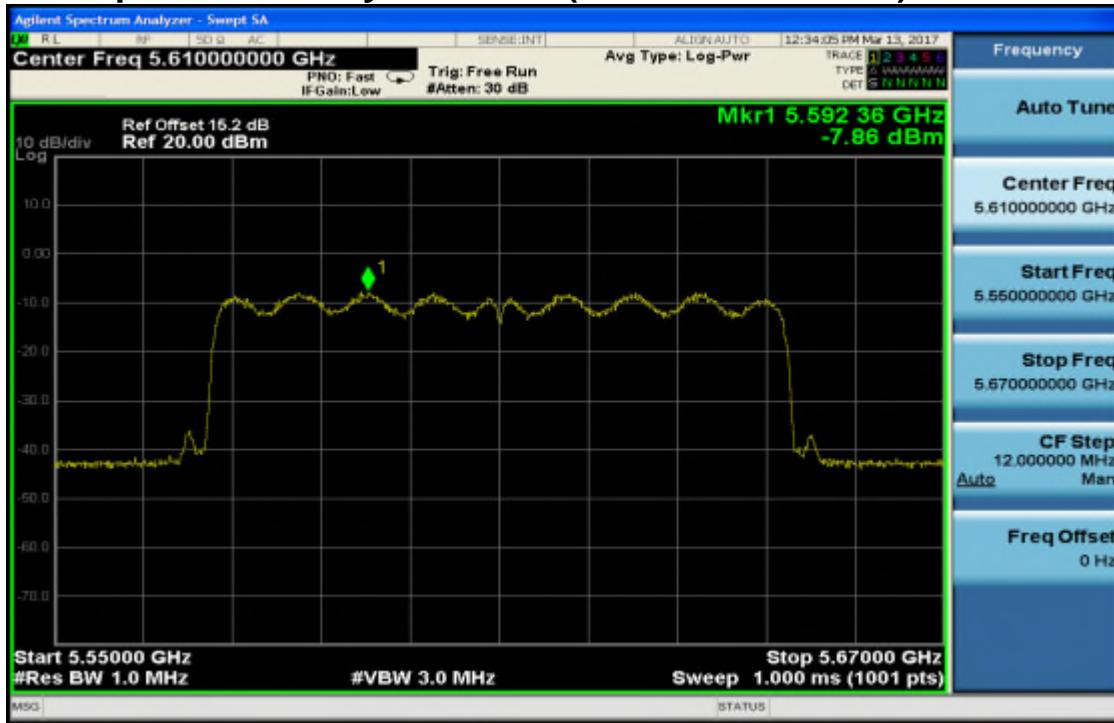
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802.11ac VHT80, 5470~5725 MHz Peak Power Spectral Density Data Plot (CH Low 5530 MHz)



Peak Power Spectral Density Data Plot (CH Low 5610 MHz)



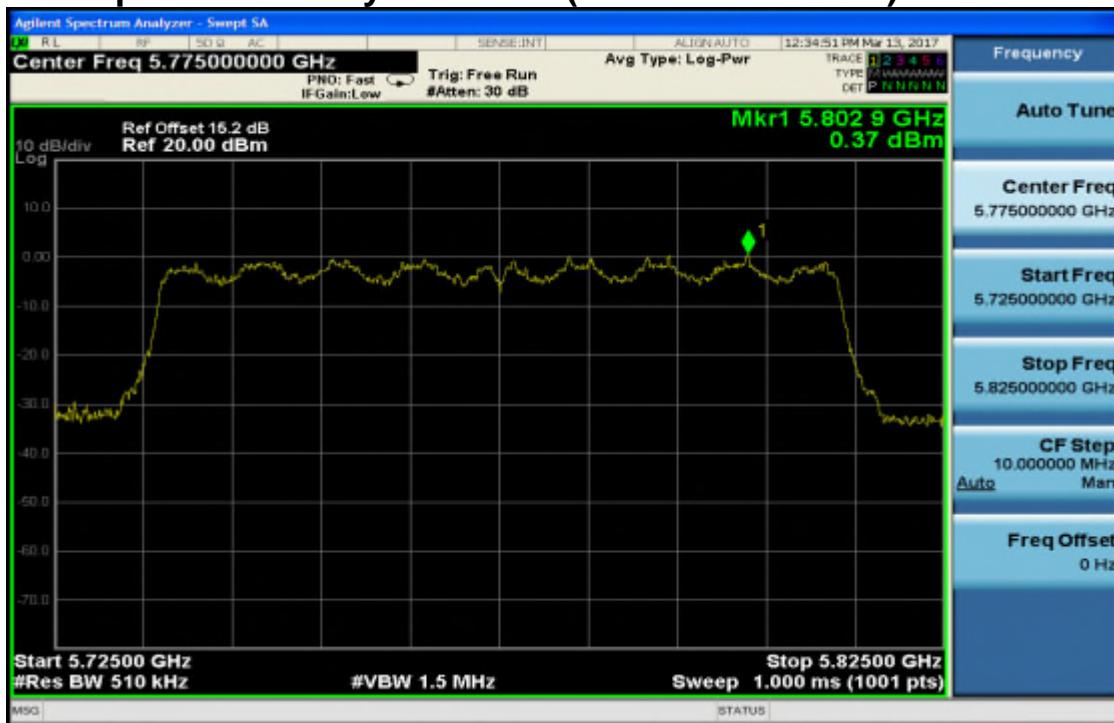
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802.11ac VHT80, 5725~5850 MHz Peak Power Spectral Density Data Plot (CH Mid 5775 MHz)



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11. UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	LIMIT	
FCC KDB 789033 D02 General UNII Test Procedures New Rules	FIELD STRENGTH AT 3m	
	PK: 74 (dB μ V/m)	AV 54 (dB μ V/m)
APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1)		
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.3 (dB μ V/m)
15.407(b)(3)		
15.407(b)(4)(i) RSS-247 6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dB μ V/m) *1 PK:105.2 (dB μ V/m) *2 PK: 110.8(dB μ V/m) *3 PK:122.2 (dB μ V/m) *4

*1 beyond 75 MHz or more above of the bandedge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

$EIRP = ((E^*d)^2) / 30$, where E is the field in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts..

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Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB μ V/m) = 20 log Emission level (dB μ V/m)

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11.2 Measurement Equipment Used

SGS SAC-III					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESCI7	100760	05/10/2016	05/09/2017
Spectrum Analyzer	Agilent	E4446A	MY51100003	04/21/2016	04/20/2017
Loop Antenna	ETS-Lindgren	6502	148045	09/20/2016	09/19/2017
Bilog Antenna	SCHWAZBECK	VULB9168	378	12/19/2016	12/18/2017
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/01/2016	07/31/2017
Pre-Amplifier	Agilent	8447D	2944A07676	01/05/2017	01/04/2018
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/05/2017	01/04/2018
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	ChamPro	AM-BS-4500-B	060776-ABS	N.C.R	N.C.R
Controller	ChamPro	EM1000	60776	N.C.R	N.C.R
Low Loss Cable	Huber Suhner	966_RX	9	01/05/2017	01/04/2018
3m Site NSA	SGS	966 chamber	N/A	07/01/2016	06/30/2017
Low Loss Cable	Huber Suhner	966 TX	1	01/05/2017	01/04/2018
Horn Antenna	Schwarzbeck	BBHA9170	184	12/12/2016	12/11/2017
Pre-Amplifier	EMC Instruments Corp.	EMC184045	980135	01/05/2017	01/04/2018

NOTE: N.C.R refers to Not Calibrated Required.

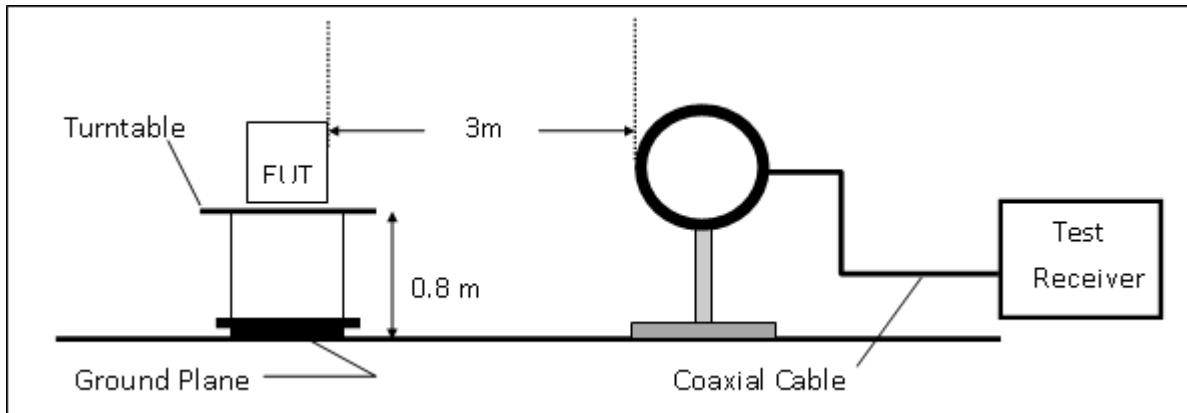
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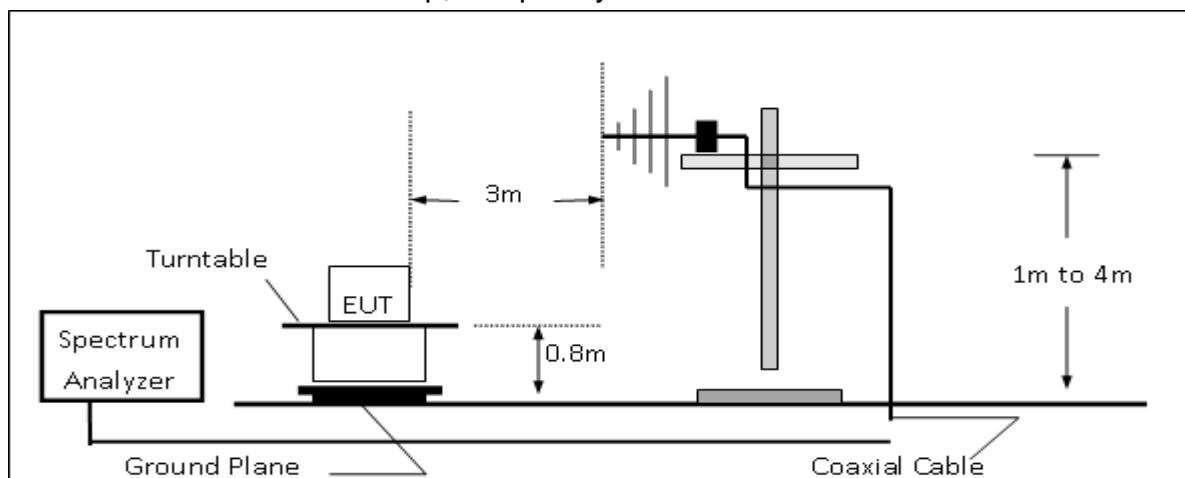
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11.3 Test SET-UP

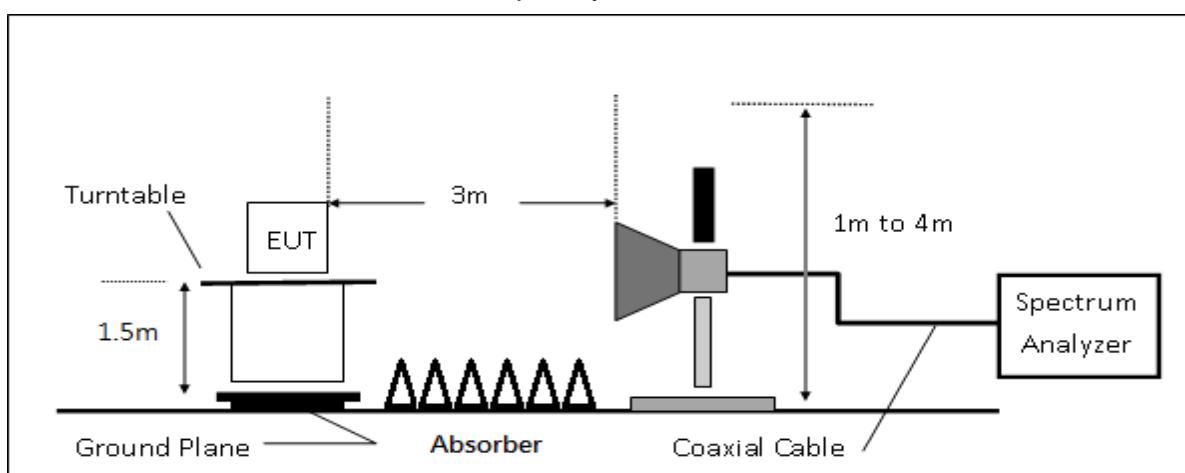
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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11.4 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01.
3. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW \geq 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
11. Repeat above procedures until all frequency measured were complete.

11.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

Actual FS(dB μ V/m) = SPA. Reading level(dB μ V) + Factor(dB)

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)

Note :

“F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

11.6 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

11.7 Measurement Result

Refer to attach tabular data sheets.

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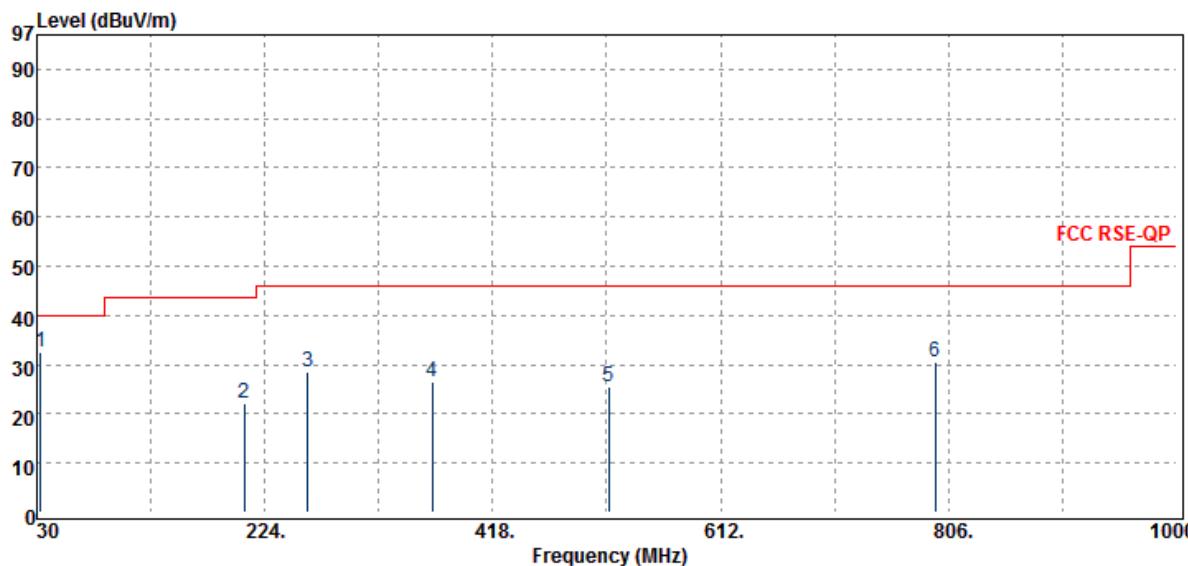
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Radiated Spurious Emission Measurement Result

Below 1GHz Worst-Case Data: *Dipole Antenna

802.11a 5150~5250 MHz

Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading	Factor	Actual		Margin dB
					FS	@3m	
32.91	S	Peak	41.47	-9.07	32.40	40.00	-7.60
206.54	S	Peak	31.92	-9.71	22.21	43.50	-21.29
260.86	S	Peak	35.92	-7.24	28.68	46.00	-17.32
366.59	S	Peak	31.24	-4.72	26.52	46.00	-19.48
516.94	S	Peak	27.29	-1.94	25.35	46.00	-20.65
794.36	S	Peak	27.74	2.89	30.63	46.00	-15.37

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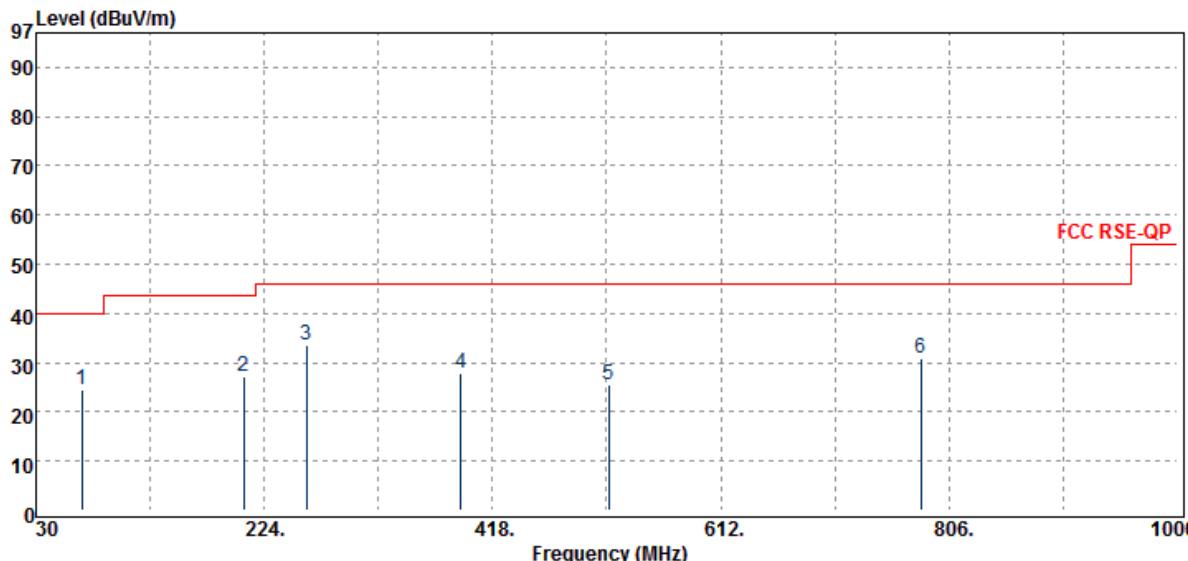
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Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			Reading	Level dB μ V				
68.80	S	Peak	34.34	-9.98	24.36	40.00	-15.64	
206.54	S	Peak	36.97	-9.71	27.26	43.50	-16.24	
259.89	S	Peak	40.71	-7.29	33.42	46.00	-12.58	
390.84	S	Peak	32.00	-4.18	27.82	46.00	-18.18	
516.94	S	Peak	27.42	-1.94	25.48	46.00	-20.52	
781.75	S	Peak	28.30	2.75	31.05	46.00	-14.95	

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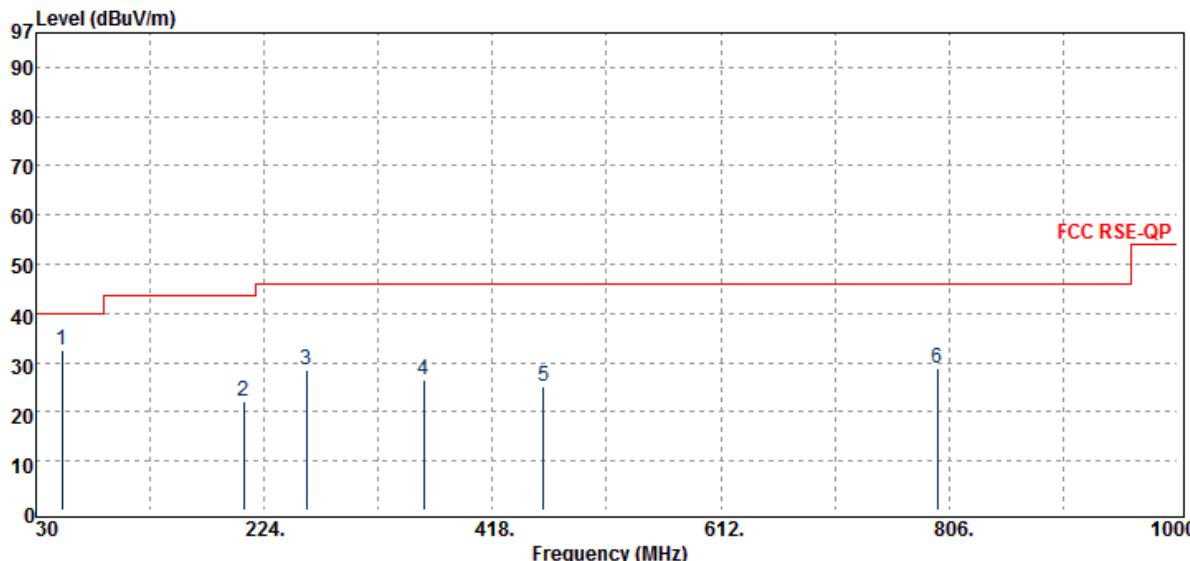
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802.11a 5250~5350 MHz

Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
52.31	S	Peak	40.21	-7.76	32.45	40.00	-7.55	
206.54	S	Peak	32.01	-9.71	22.30	43.50	-21.20	
259.89	S	Peak	35.81	-7.29	28.52	46.00	-17.48	
359.80	S	Peak	31.22	-4.79	26.43	46.00	-19.57	
461.65	S	Peak	27.89	-2.60	25.29	46.00	-20.71	
796.30	S	Peak	25.94	3.01	28.95	46.00	-17.05	

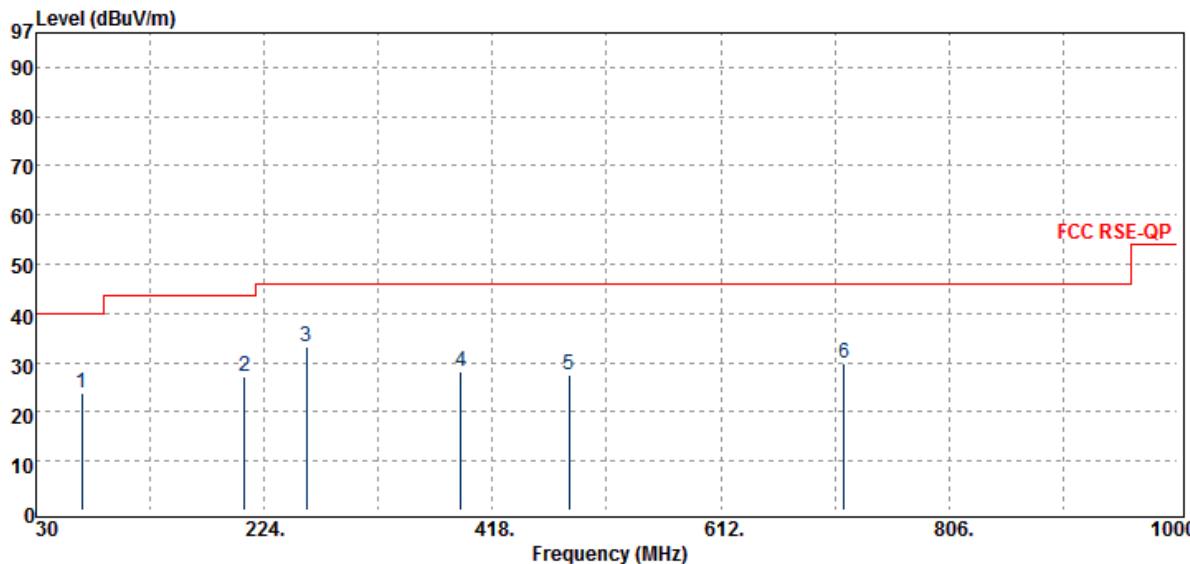
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Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
68.80	S	Peak	33.67	-9.98	23.69	40.00	-16.31	
207.51	S	Peak	36.86	-9.73	27.13	43.50	-16.37	
259.89	S	Peak	40.60	-7.29	33.31	46.00	-12.69	
390.84	S	Peak	32.33	-4.18	28.15	46.00	-17.85	
482.99	S	Peak	30.11	-2.47	27.64	46.00	-18.36	
716.76	S	Peak	28.40	1.49	29.89	46.00	-16.11	

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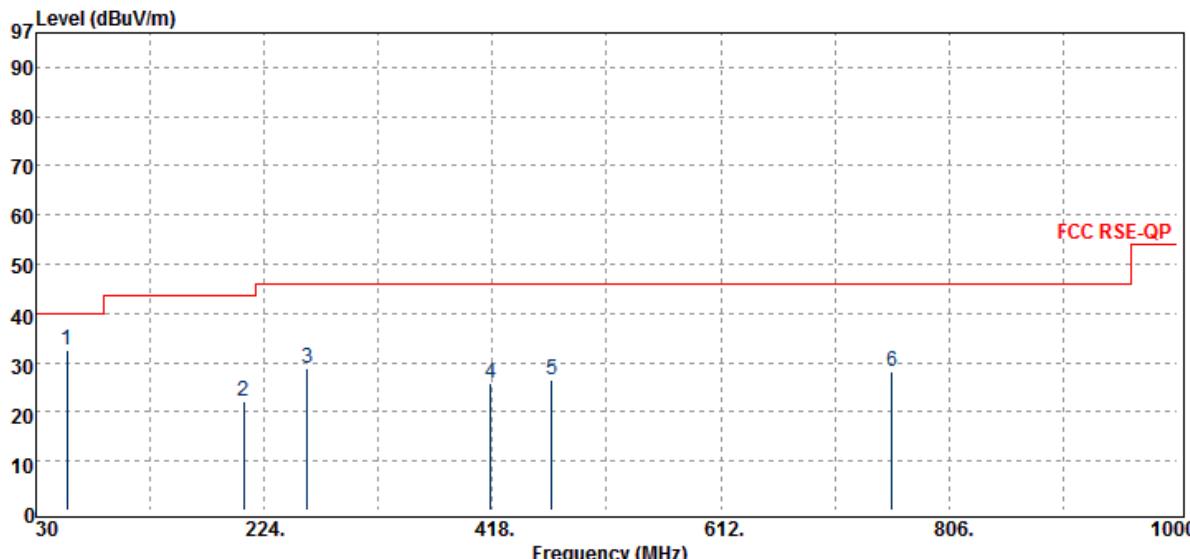
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802.11a, 5470~5725 MHz

Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



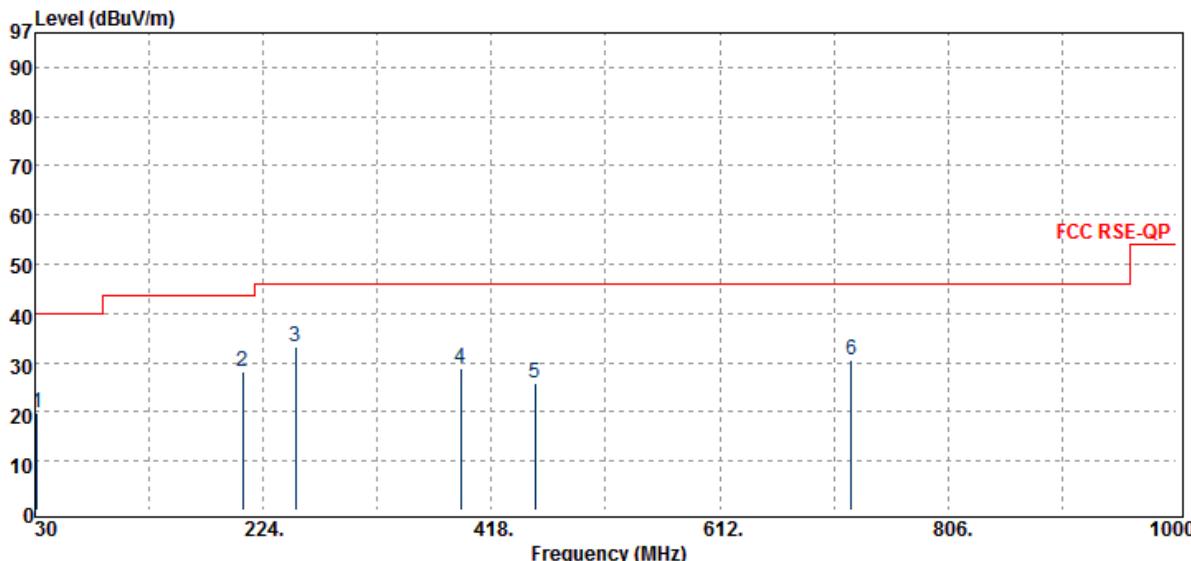
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			Reading	Level dB μ V				
56.19	S	Peak	40.35	-7.91	32.44	40.00	-7.56	
206.54	S	Peak	31.93	-9.71	22.22	43.50	-21.28	
260.86	S	Peak	36.14	-7.24	28.90	46.00	-17.10	
416.06	S	Peak	29.19	-3.27	25.92	46.00	-20.08	
468.44	S	Peak	28.96	-2.57	26.39	46.00	-19.61	
757.50	S	Peak	25.30	3.01	28.31	46.00	-17.69	

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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5580 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
31.94	S	Peak	28.99	28.99	-9.11	19.88	40.00	-20.12
206.54	S	Peak	38.07	38.07	-9.71	28.36	43.50	-15.14
251.16	S	Peak	41.14	41.14	-7.89	33.25	46.00	-12.75
391.81	S	Peak	33.03	33.03	-4.15	28.88	46.00	-17.12
454.86	S	Peak	28.48	28.48	-2.65	25.83	46.00	-20.17
723.55	S	Peak	28.93	28.93	1.61	30.54	46.00	-15.46

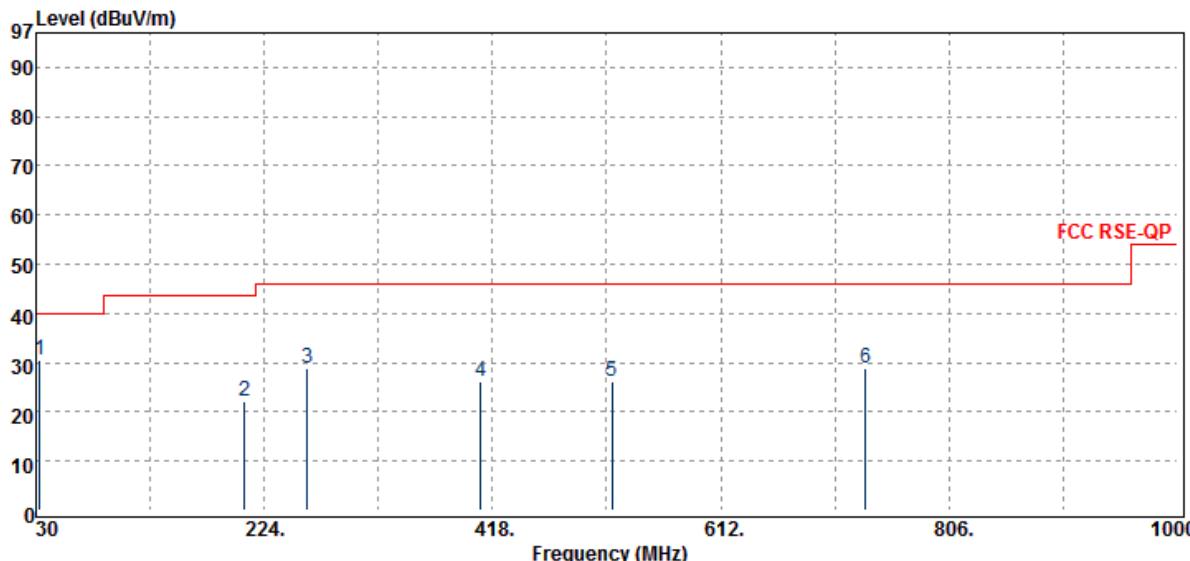
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802.11a, 5725~5850 MHz

Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
32.91	S	Peak	39.48	39.48	-9.07	30.41	40.00	-9.59
207.51	S	Peak	32.01	32.01	-9.73	22.28	43.50	-21.22
260.86	S	Peak	36.25	36.25	-7.24	29.01	46.00	-16.99
408.30	S	Peak	29.67	29.67	-3.53	26.14	46.00	-19.86
519.85	S	Peak	27.91	27.91	-1.62	26.29	46.00	-19.71
735.19	S	Peak	26.82	26.82	2.01	28.83	46.00	-17.17

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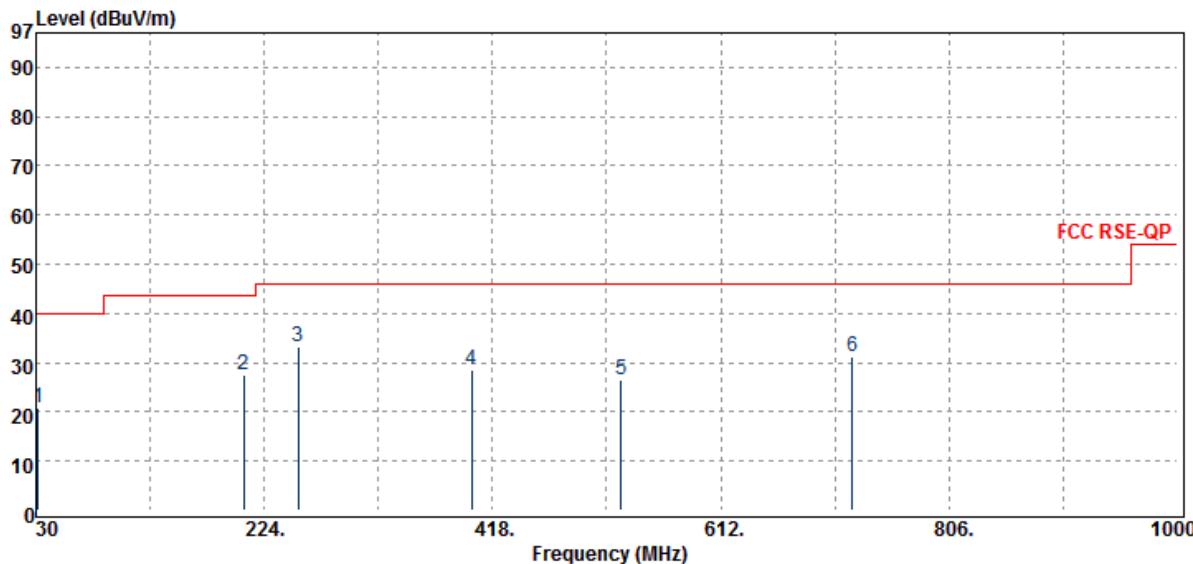
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Operation Band :802.11aB4
 Fundamental Frequency :5785 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
31.94	S	Peak	29.78	29.78	-9.11	20.67	40.00	-19.33
206.54	S	Peak	37.35	37.35	-9.71	27.64	43.50	-15.86
253.10	S	Peak	41.09	41.09	-7.80	33.29	46.00	-12.71
400.54	S	Peak	32.59	32.59	-3.94	28.65	46.00	-17.35
527.61	S	Peak	27.69	27.69	-1.32	26.37	46.00	-19.63
723.55	S	Peak	29.64	29.64	1.61	31.25	46.00	-14.75

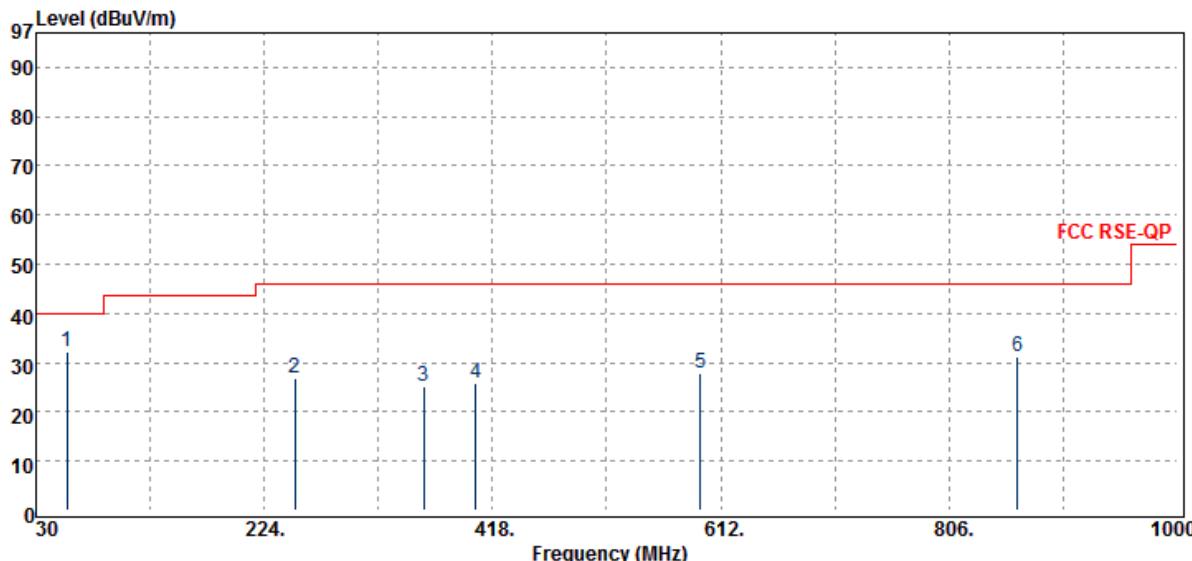
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802.11ac VHT80, 5150~5250 MHz

Operation Band	:802.11ac80B1	Test Date	:2017-03-23
Fundamental Frequency	:5210 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			Reading	Level dB μ V				
56.19	S	Peak	40.18	-7.91	32.27	40.00	-7.73	
250.19	S	Peak	34.69	-7.93	26.76	46.00	-19.24	
359.80	S	Peak	29.93	-4.79	25.14	46.00	-20.86	
403.45	S	Peak	29.91	-3.93	25.98	46.00	-20.02	
594.54	S	Peak	27.87	0.08	27.95	46.00	-18.05	
864.20	S	Peak	26.18	5.05	31.23	46.00	-14.77	

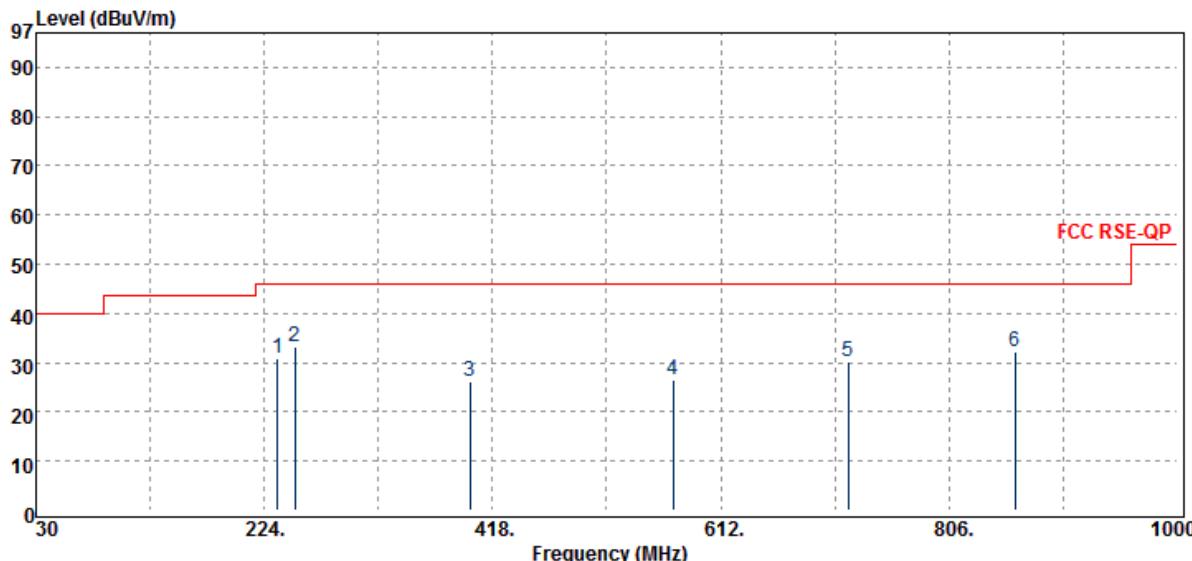
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Operation Band :802.11ac80B1
 Fundamental Frequency :5210 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
235.64	S	Peak	39.45	-8.41	31.04	46.00	-14.96	
250.19	S	Peak	41.15	-7.93	33.22	46.00	-12.78	
398.60	S	Peak	30.00	-3.97	26.03	46.00	-19.97	
571.26	S	Peak	27.36	-0.76	26.60	46.00	-19.40	
720.64	S	Peak	28.66	1.47	30.13	46.00	-15.87	
862.26	S	Peak	27.50	4.78	32.28	46.00	-13.72	

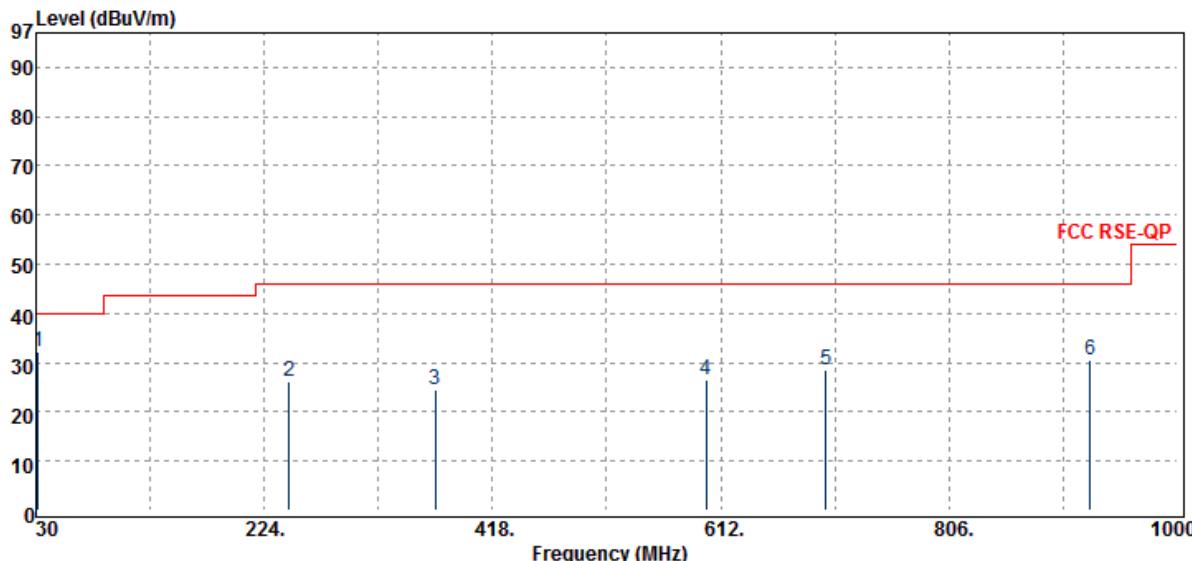
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802.11ac VHT80, 5250~5350 MHz

Operation Band	:802.11ac80B2	Test Date	:2017-03-23
Fundamental Frequency	:5290 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
31.94	S	Peak	41.17	-9.11	32.06	40.00	-7.94	
245.34	S	Peak	34.33	-8.03	26.30	46.00	-19.70	
369.50	S	Peak	29.28	-4.65	24.63	46.00	-21.37	
599.39	S	Peak	26.95	-0.27	26.68	46.00	-19.32	
701.24	S	Peak	27.23	1.44	28.67	46.00	-17.33	
926.28	S	Peak	25.44	5.17	30.61	46.00	-15.39	

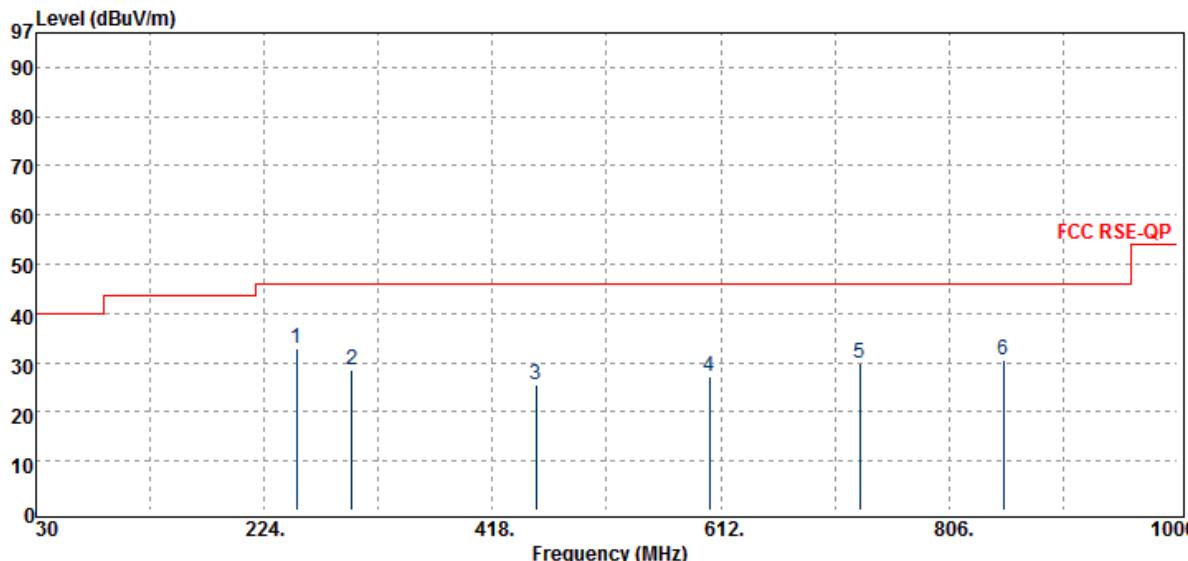
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Operation Band :802.11ac80B2
 Fundamental Frequency :5290 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
251.16	S	Peak	40.94	-7.89	33.05	46.00	-12.95	
298.69	S	Peak	34.40	-5.95	28.45	46.00	-17.55	
454.86	S	Peak	28.14	-2.65	25.49	46.00	-20.51	
602.30	S	Peak	27.20	0.05	27.25	46.00	-18.75	
730.34	S	Peak	28.05	1.67	29.72	46.00	-16.28	
852.56	S	Peak	26.75	3.89	30.64	46.00	-15.36	

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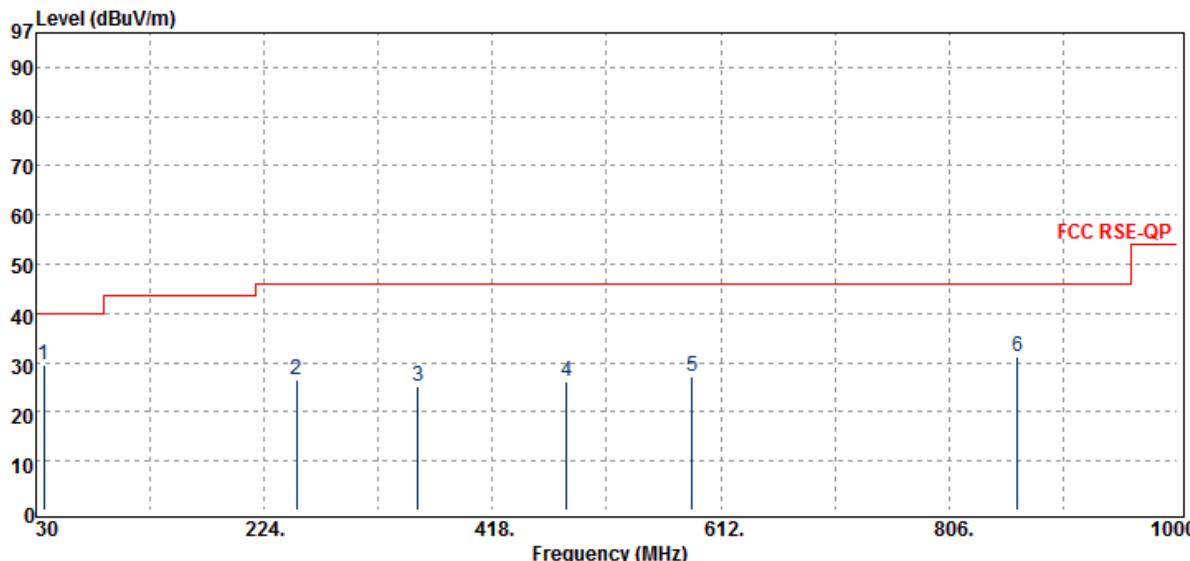
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802.11ac VHT80, 5470~5725 MHz

Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			Reading	Level dB μ V				
36.79	S	Peak	38.30	-8.84	29.46	40.00	-10.54	
251.16	S	Peak	34.47	-7.89	26.58	46.00	-19.42	
354.95	S	Peak	29.90	-4.75	25.15	46.00	-20.85	
481.05	S	Peak	28.54	-2.37	26.17	46.00	-19.83	
587.75	S	Peak	27.32	-0.05	27.27	46.00	-18.73	
864.20	S	Peak	26.19	5.05	31.24	46.00	-14.76	

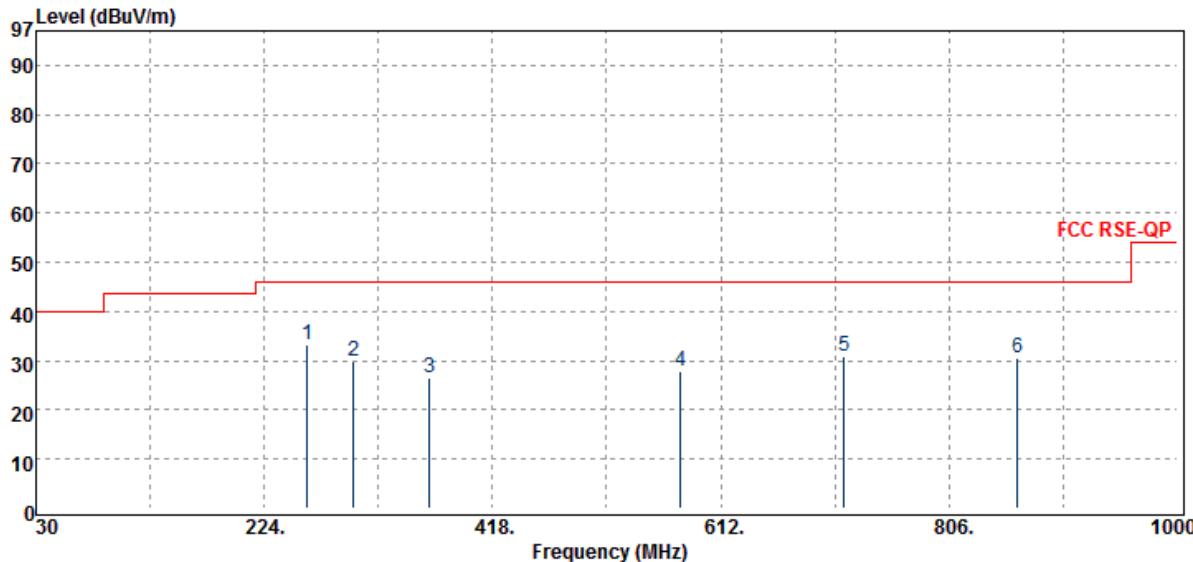
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Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
260.86	S	Peak	40.42	-7.24	33.18	46.00	-12.82	
299.66	S	Peak	35.77	-5.93	29.84	46.00	-16.16	
364.65	S	Peak	31.31	-4.69	26.62	46.00	-19.38	
578.05	S	Peak	28.17	-0.37	27.80	46.00	-18.20	
716.76	S	Peak	29.26	1.49	30.75	46.00	-15.25	
864.20	S	Peak	25.37	5.05	30.42	46.00	-15.58	

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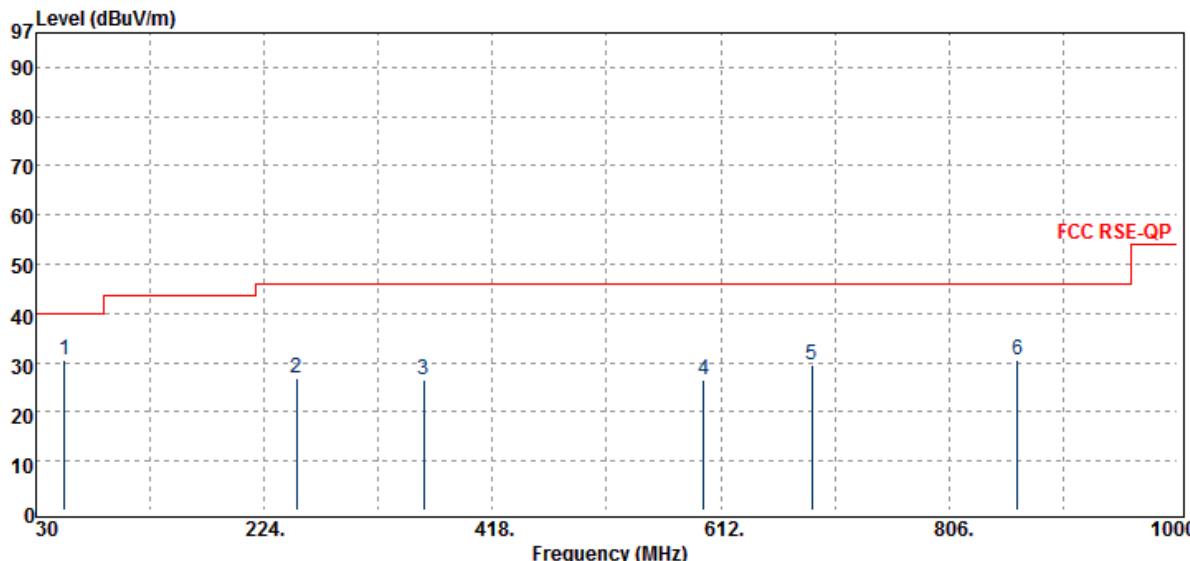
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802.11ac VHT80, 5725~5850 MHz

Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
54.25	S	Peak	38.22	-7.82	30.40	40.00	-9.60	
251.16	S	Peak	34.70	-7.89	26.81	46.00	-19.19	
359.80	S	Peak	31.29	-4.79	26.50	46.00	-19.50	
597.45	S	Peak	26.56	-0.19	26.37	46.00	-19.63	
689.60	S	Peak	28.24	1.27	29.51	46.00	-16.49	
864.20	S	Peak	25.56	5.05	30.61	46.00	-15.39	

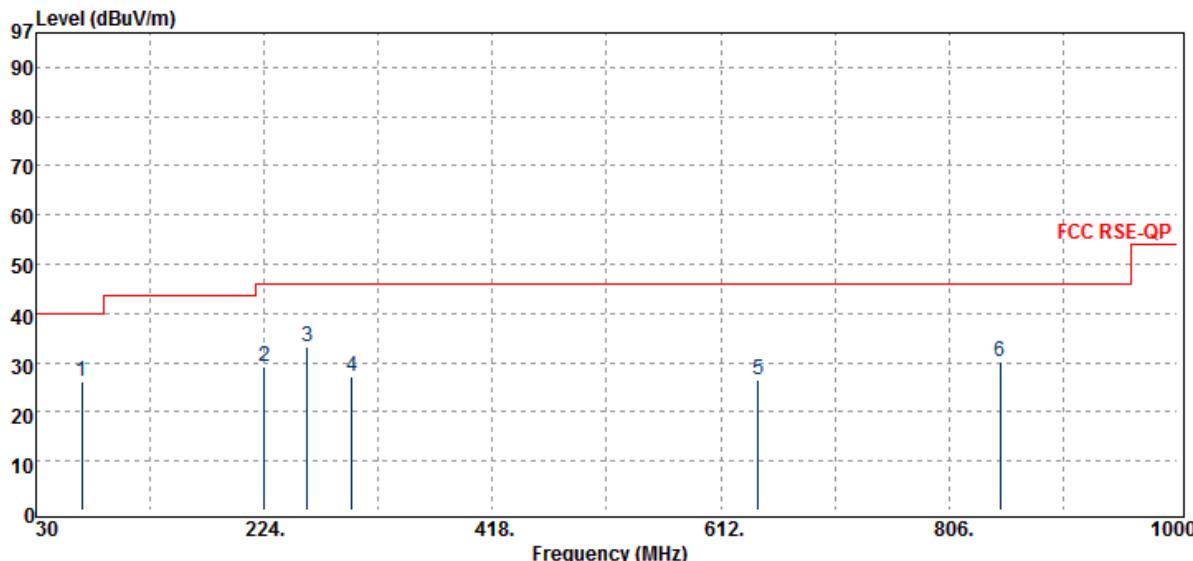
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Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
68.80	S	Peak	36.09	36.09	-9.98	26.11	40.00	-13.89
224.00	S	Peak	38.46	38.46	-9.20	29.26	46.00	-16.74
260.86	S	Peak	40.53	40.53	-7.24	33.29	46.00	-12.71
298.69	S	Peak	33.01	33.01	-5.95	27.06	46.00	-18.94
644.01	S	Peak	25.73	25.73	0.65	26.38	46.00	-19.62
849.65	S	Peak	26.40	26.40	3.72	30.12	46.00	-15.88

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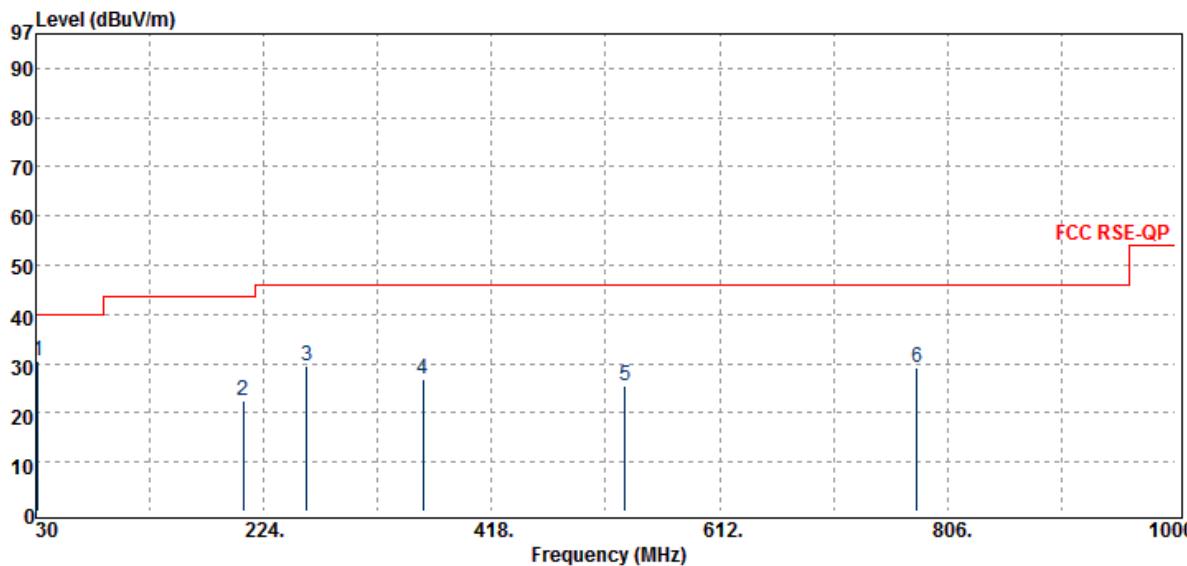
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*PCB Antenna

802.11a 5150~5250 MHz

Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
			PK/QP/AV	dB μ V				
31.94	S	Peak		39.77	-9.11	30.66	40.00	-9.34
206.54	S	Peak		32.18	-9.71	22.47	43.50	-21.03
260.86	S	Peak		36.63	-7.24	29.39	46.00	-16.61
359.80	S	Peak		31.78	-4.79	26.99	46.00	-19.01
531.49	S	Peak		27.04	-1.57	25.47	46.00	-20.53
779.81	S	Peak		26.68	2.58	29.26	46.00	-16.74

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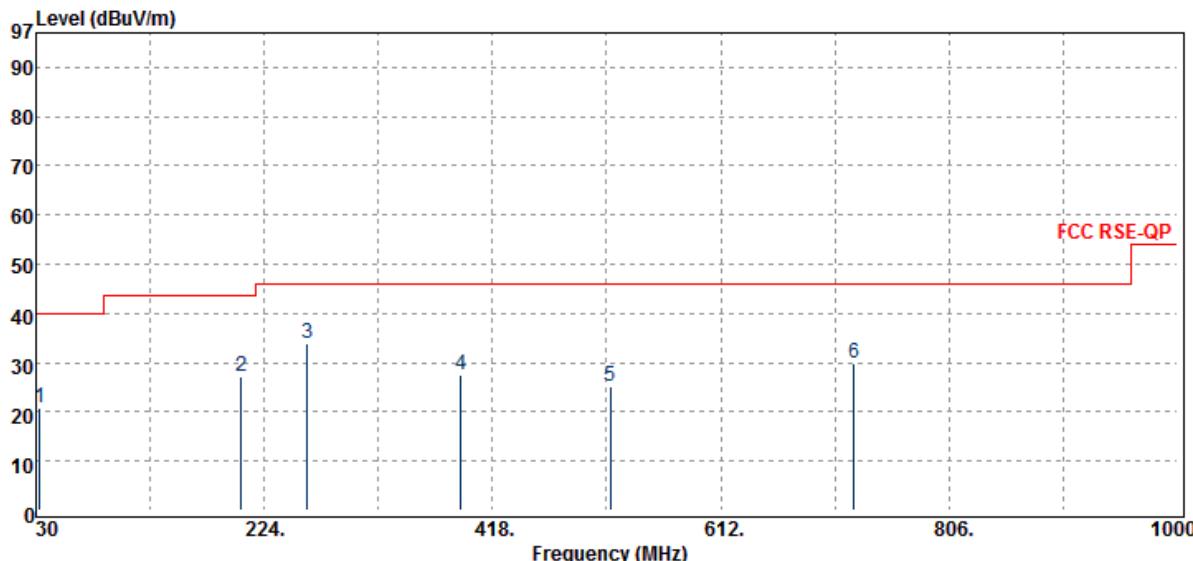
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Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
32.91	S	Peak	30.03	30.03	-9.07	20.96	40.00	-19.04
204.60	S	Peak	36.75	36.75	-9.70	27.05	43.50	-16.45
260.86	S	Peak	41.06	41.06	-7.24	33.82	46.00	-12.18
390.84	S	Peak	31.66	31.66	-4.18	27.48	46.00	-18.52
517.91	S	Peak	27.14	27.14	-1.82	25.32	46.00	-20.68
725.49	S	Peak	28.15	28.15	1.74	29.89	46.00	-16.11

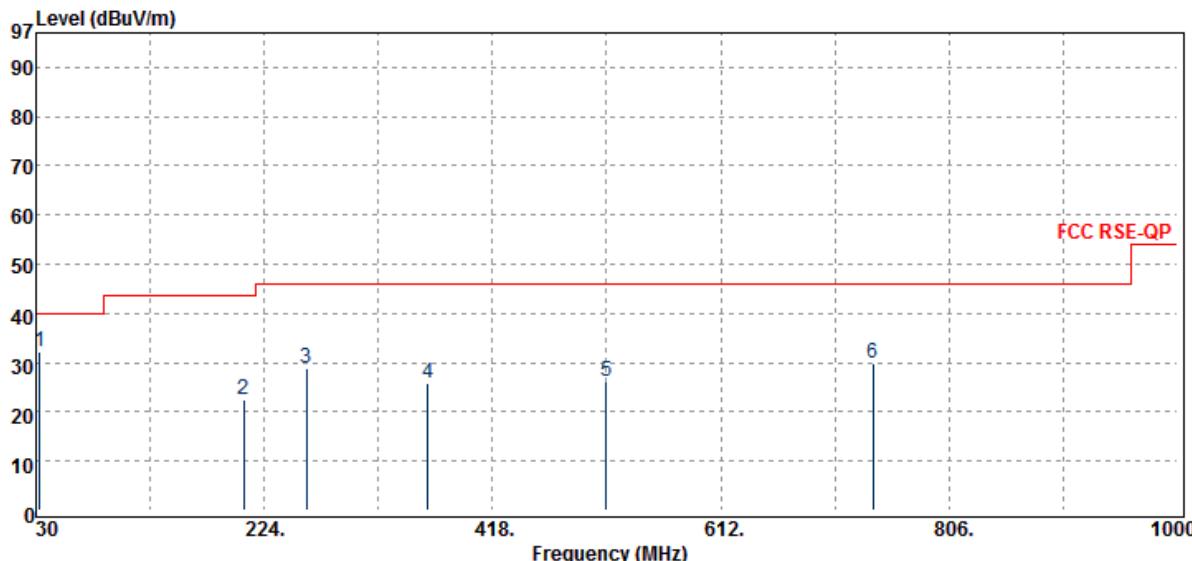
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802.11a 5250~5350 MHz

Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
32.91	S	Peak	41.16	41.16	-9.07	32.09	40.00	-7.91
206.54	S	Peak	32.17	32.17	-9.71	22.46	43.50	-21.04
259.89	S	Peak	36.15	36.15	-7.29	28.86	46.00	-17.14
362.71	S	Peak	30.70	30.70	-4.74	25.96	46.00	-20.04
515.00	S	Peak	28.01	28.01	-1.94	26.07	46.00	-19.93
741.01	S	Peak	27.76	27.76	2.17	29.93	46.00	-16.07

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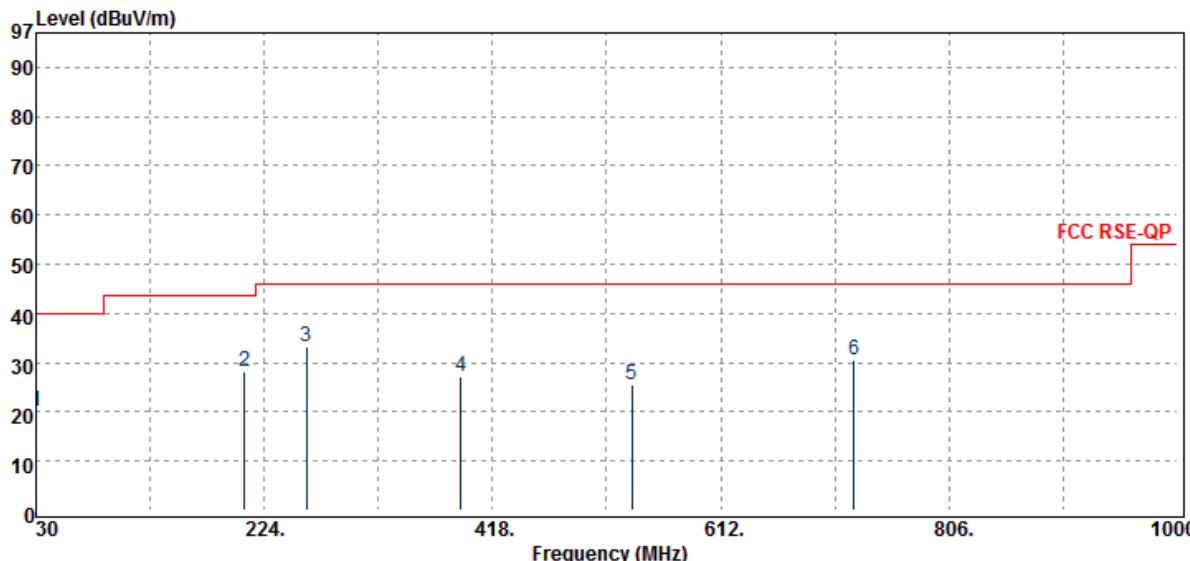
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Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
30.00	S	Peak	29.47	29.47	-9.19	20.28	40.00	-19.72
207.51	S	Peak	37.83	37.83	-9.73	28.10	43.50	-15.40
259.89	S	Peak	40.58	40.58	-7.29	33.29	46.00	-12.71
390.84	S	Peak	31.29	31.29	-4.18	27.11	46.00	-18.89
536.34	S	Peak	26.99	26.99	-1.49	25.50	46.00	-20.50
725.49	S	Peak	28.73	28.73	1.74	30.47	46.00	-15.53

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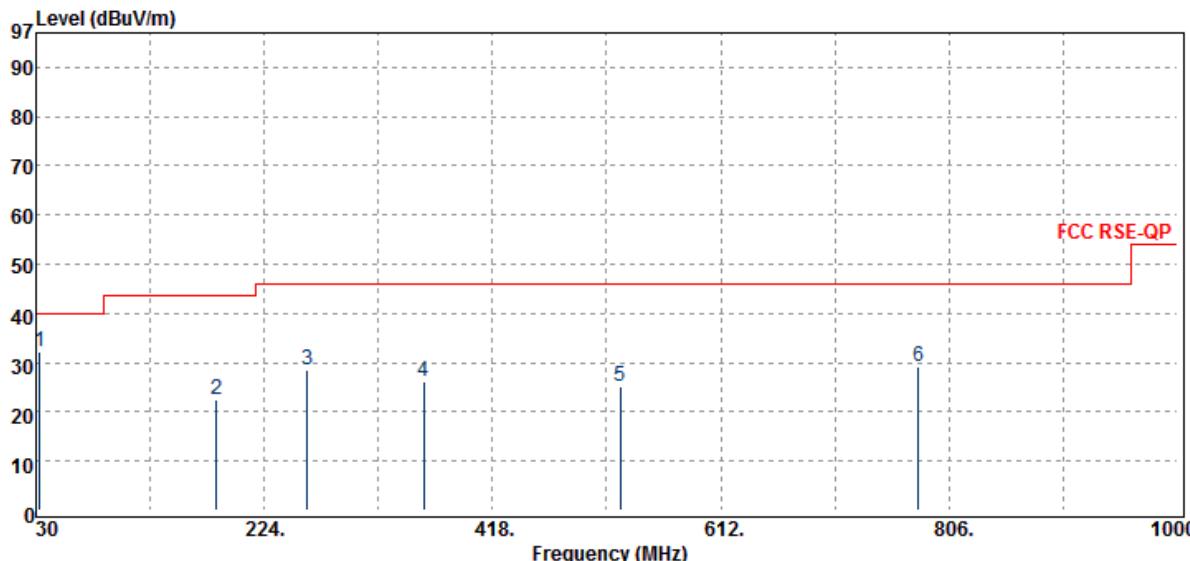
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802.11a, 5470~5725 MHz

Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
32.91	S	Peak	41.20	-9.07	32.13	40.00	-7.87	
183.26	S	Peak	31.35	-8.90	22.45	43.50	-21.05	
260.86	S	Peak	35.89	-7.24	28.65	46.00	-17.35	
359.80	S	Peak	31.08	-4.79	26.29	46.00	-19.71	
526.64	S	Peak	26.58	-1.44	25.14	46.00	-20.86	
779.81	S	Peak	26.59	2.58	29.17	46.00	-16.83	

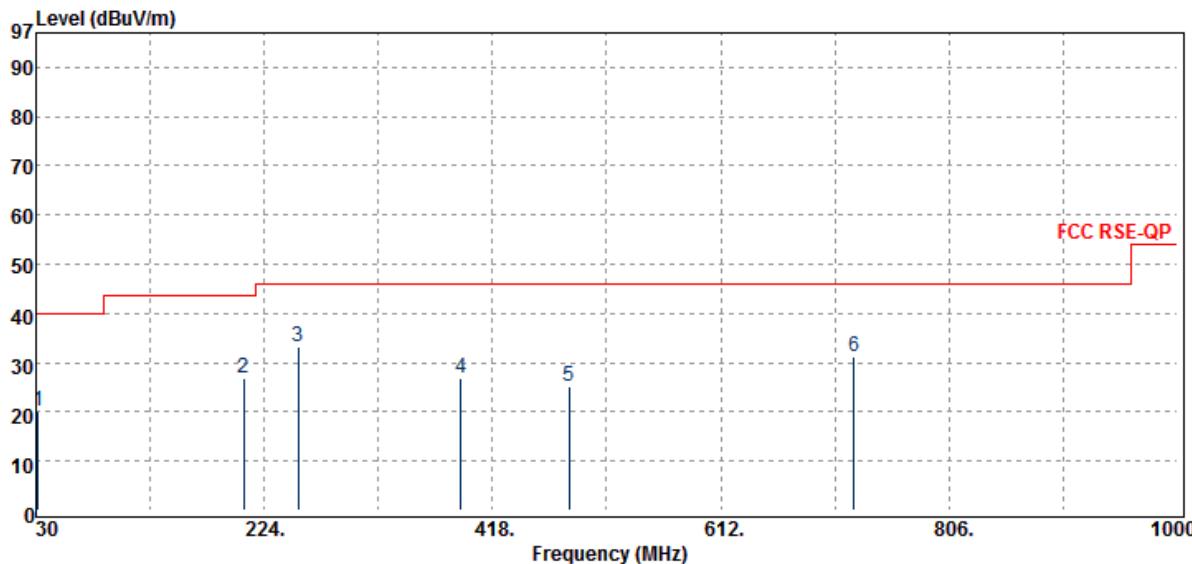
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Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
31.94	S	Peak	29.09	29.09	-9.11	19.98	40.00	-20.02
206.54	S	Peak	36.50	36.50	-9.71	26.79	43.50	-16.71
253.10	S	Peak	41.14	41.14	-7.80	33.34	46.00	-12.66
390.84	S	Peak	31.07	31.07	-4.18	26.89	46.00	-19.11
482.99	S	Peak	27.49	27.49	-2.47	25.02	46.00	-20.98
725.49	S	Peak	29.48	29.48	1.74	31.22	46.00	-14.78

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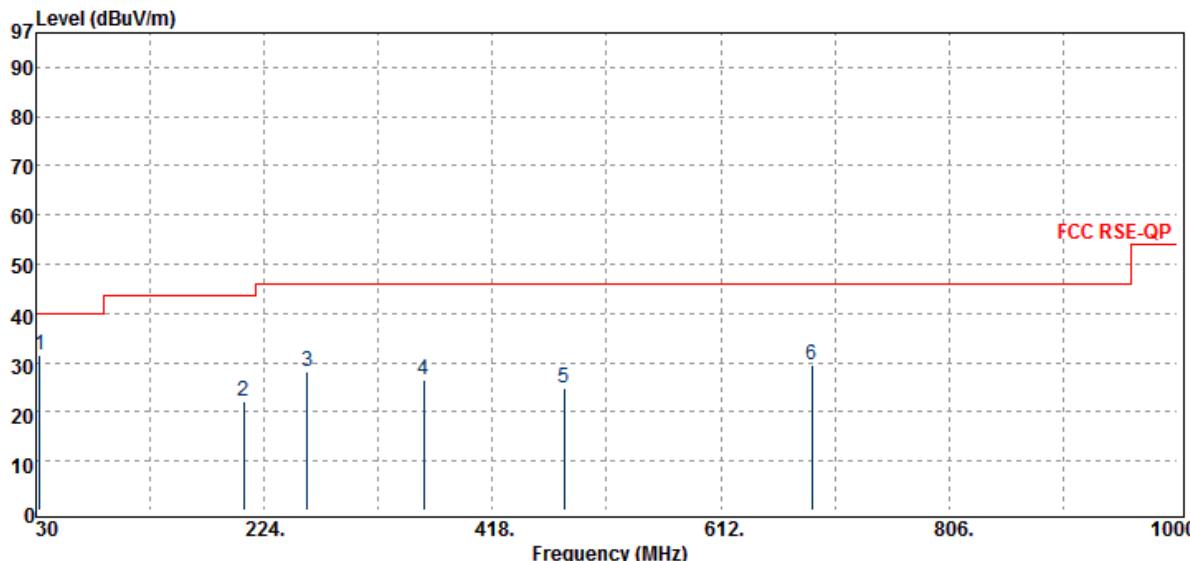
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802.11a, 5725~5850 MHz

Operation Band :802.11aB4
 Fundamental Frequency :5785 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
32.91	S	Peak	40.58	40.58	-9.07	31.51	40.00	-8.49
206.54	S	Peak	31.88	31.88	-9.71	22.17	43.50	-21.33
260.86	S	Peak	35.52	35.52	-7.24	28.28	46.00	-17.72
359.80	S	Peak	31.29	31.29	-4.79	26.50	46.00	-19.50
479.11	S	Peak	27.11	27.11	-2.39	24.72	46.00	-21.28
689.60	S	Peak	28.24	28.24	1.27	29.51	46.00	-16.49

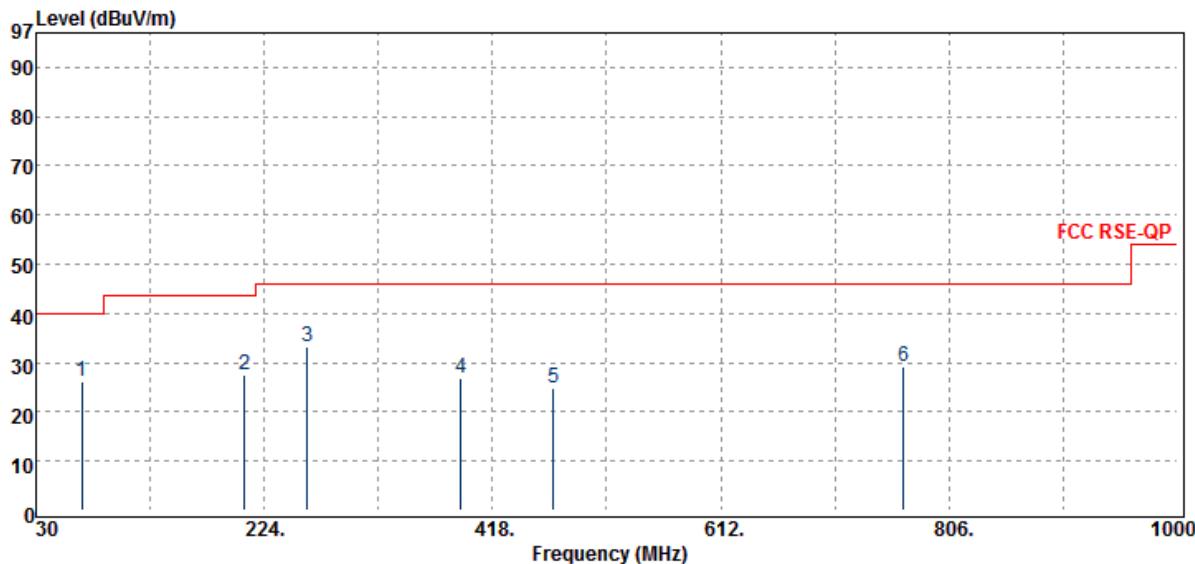
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Operation Band :802.11aB4
 Fundamental Frequency :5785 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	Reading Level dB μ V				
68.80	S	Peak	36.09	-9.98	26.11	40.00	-13.89	
207.51	S	Peak	37.15	-9.73	27.42	43.50	-16.08	
260.86	S	Peak	40.53	-7.24	33.29	46.00	-12.71	
390.84	S	Peak	31.16	-4.18	26.98	46.00	-19.02	
469.41	S	Peak	27.45	-2.59	24.86	46.00	-21.14	
767.20	S	Peak	26.17	3.14	29.31	46.00	-16.69	

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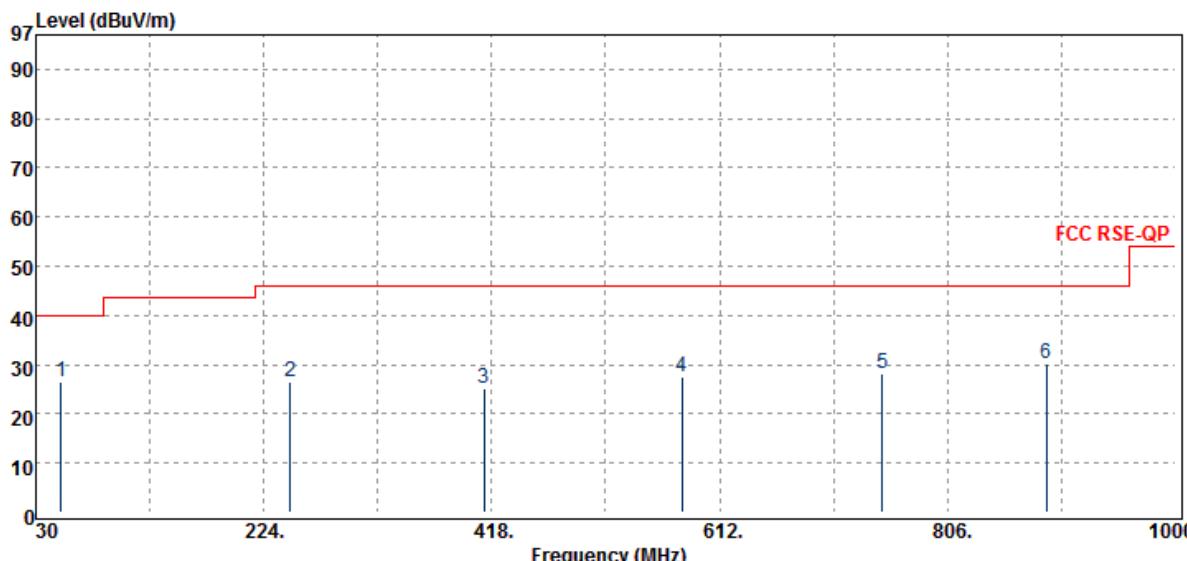
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802.11ac VHT80, 5150~5250 MHz

Operation Band :802.11ac80B1
 Fundamental Frequency :5210 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
51.34	S	Peak	34.20	-7.75	26.45	40.00	-13.55	
246.31	S	Peak	34.55	-8.01	26.54	46.00	-19.46	
411.21	S	Peak	28.88	-3.63	25.25	46.00	-20.75	
579.99	S	Peak	27.95	-0.36	27.59	46.00	-18.41	
750.71	S	Peak	25.51	2.76	28.27	46.00	-17.73	
890.39	S	Peak	25.90	4.42	30.32	46.00	-15.68	

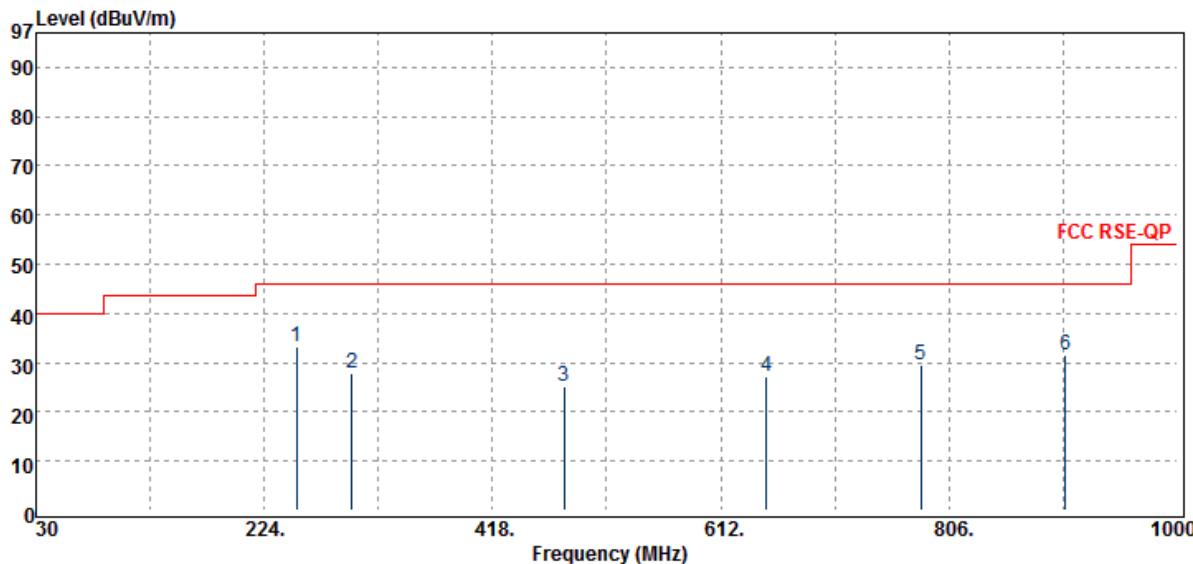
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Operation Band :802.11ac80B1
 Fundamental Frequency :5210 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
251.16	S	Peak	40.99	-7.89	33.10	46.00	-12.90	
298.69	S	Peak	33.97	-5.95	28.02	46.00	-17.98	
479.11	S	Peak	27.45	-2.39	25.06	46.00	-20.94	
650.80	S	Peak	26.63	0.49	27.12	46.00	-18.88	
781.75	S	Peak	26.81	2.75	29.56	46.00	-16.44	
904.94	S	Peak	26.52	4.90	31.42	46.00	-14.58	

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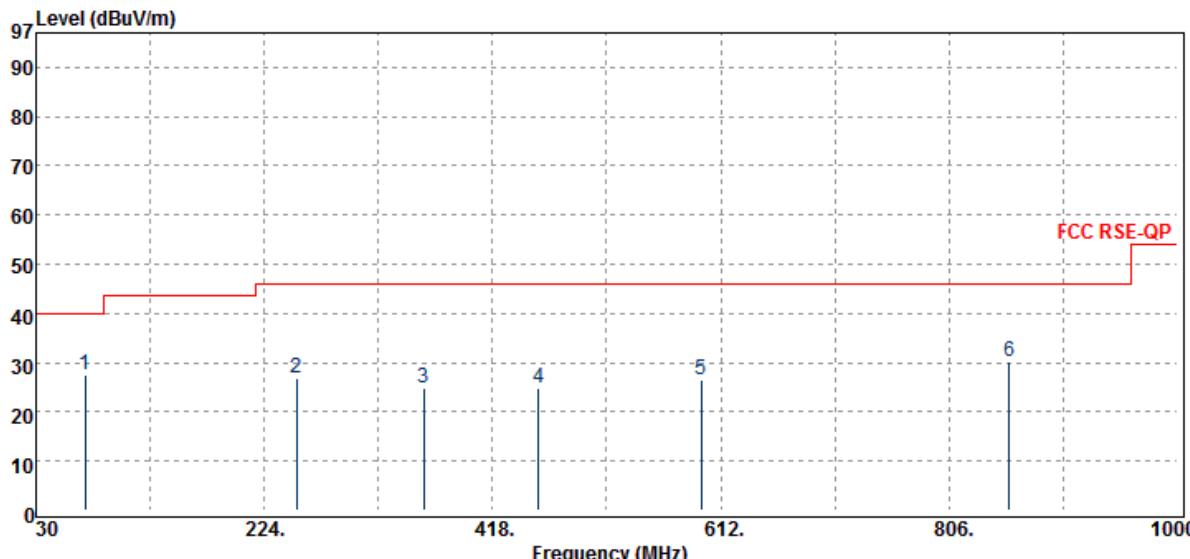
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802.11ac VHT80, 5250~5350 MHz

Operation Band :802.11ac80B2
 Fundamental Frequency :5290 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
71.71	S	Peak	38.20	-10.62	27.58	40.00	-12.42	
251.16	S	Peak	34.79	-7.89	26.90	46.00	-19.10	
359.80	S	Peak	29.78	-4.79	24.99	46.00	-21.01	
456.80	S	Peak	27.51	-2.65	24.86	46.00	-21.14	
595.51	S	Peak	26.56	0.05	26.61	46.00	-19.39	
857.41	S	Peak	25.54	4.52	30.06	46.00	-15.94	

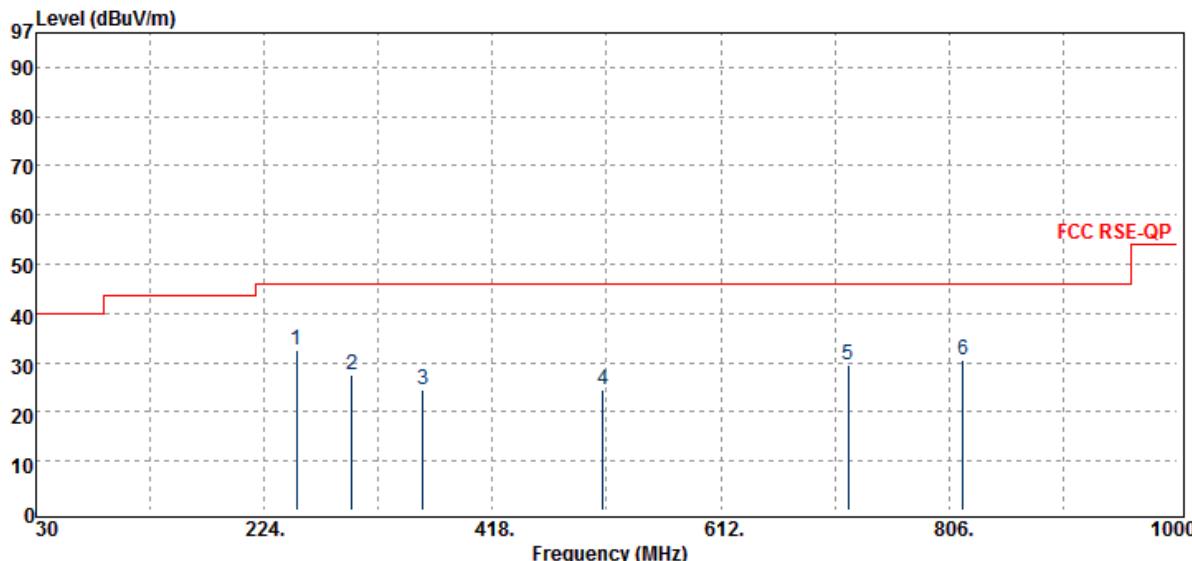
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Operation Band :802.11ac80B2
 Fundamental Frequency :5290 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
251.16	S	Peak	40.33	-7.89	32.44	46.00	-13.56	
298.69	S	Peak	33.62	-5.95	27.67	46.00	-18.33	
358.83	S	Peak	29.16	-4.78	24.38	46.00	-21.62	
512.09	S	Peak	26.49	-1.98	24.51	46.00	-21.49	
720.64	S	Peak	28.12	1.47	29.59	46.00	-16.41	
817.64	S	Peak	26.99	3.41	30.40	46.00	-15.60	

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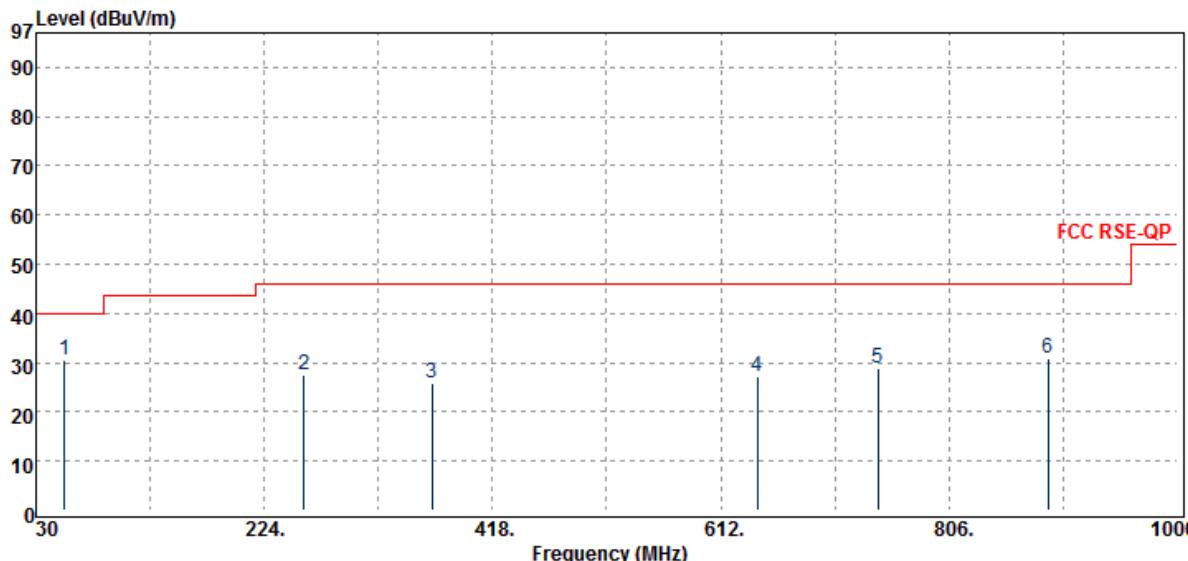
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802.11ac VHT80, 5470~5725 MHz

Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
54.25	S	Peak	38.22	-7.82	30.40	40.00	-9.60	
257.95	S	Peak	34.82	-7.37	27.45	46.00	-18.55	
366.59	S	Peak	30.43	-4.72	25.71	46.00	-20.29	
643.04	S	Peak	26.70	0.65	27.35	46.00	-18.65	
745.86	S	Peak	26.44	2.30	28.74	46.00	-17.26	
890.39	S	Peak	26.31	4.42	30.73	46.00	-15.27	

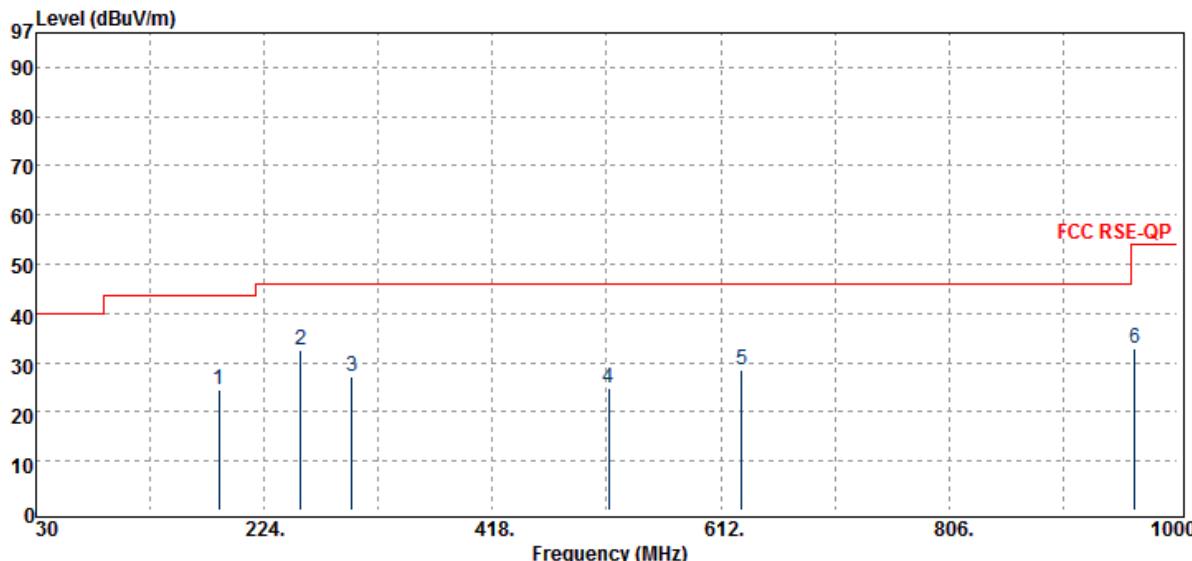
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Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
185.20	S	Peak	33.44	33.44	-9.06	24.38	43.50	-19.12
255.04	S	Peak	40.29	40.29	-7.61	32.68	46.00	-13.32
298.69	S	Peak	33.01	33.01	-5.95	27.06	46.00	-18.94
516.94	S	Peak	26.75	26.75	-1.94	24.81	46.00	-21.19
629.46	S	Peak	28.22	28.22	0.16	28.38	46.00	-17.62
964.11	S	Peak	27.04	27.04	6.02	33.06	54.00	-20.94

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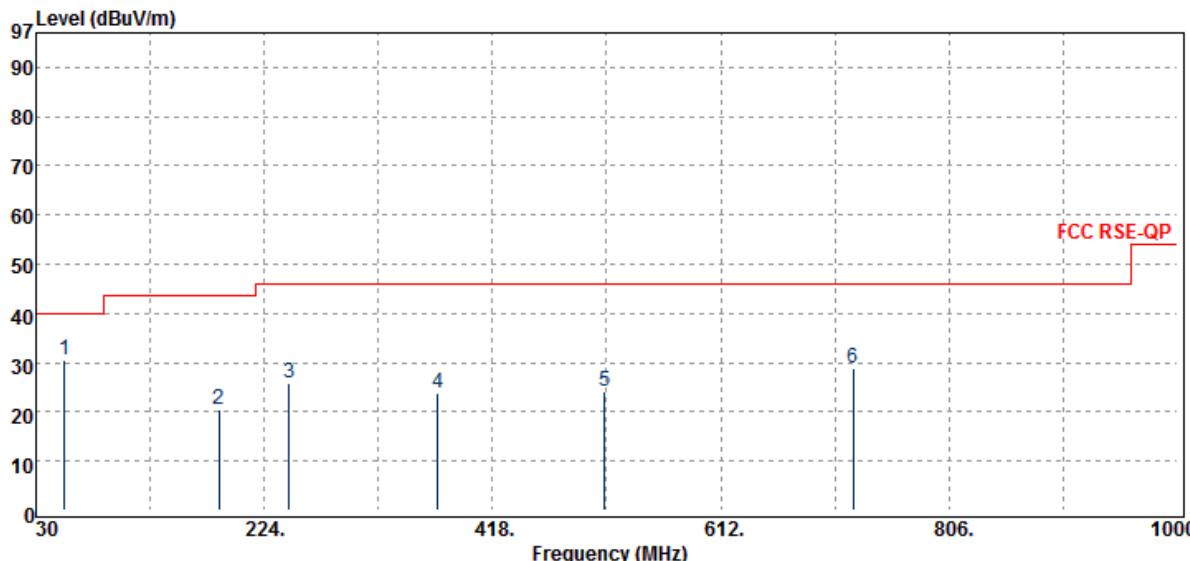
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802.11ac VHT80, 5725~5850 MHz

Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
			PK/QP/AV	dB μ V				
54.25	S	Peak	38.22	-7.82	30.40	40.00	-9.60	
185.20	S	Peak	29.61	-9.06	20.55	43.50	-22.95	
245.34	S	Peak	33.82	-8.03	25.79	46.00	-20.21	
371.44	S	Peak	28.53	-4.56	23.97	46.00	-22.03	
513.06	S	Peak	26.19	-1.89	24.30	46.00	-21.70	
724.52	S	Peak	27.16	1.69	28.85	46.00	-17.15	

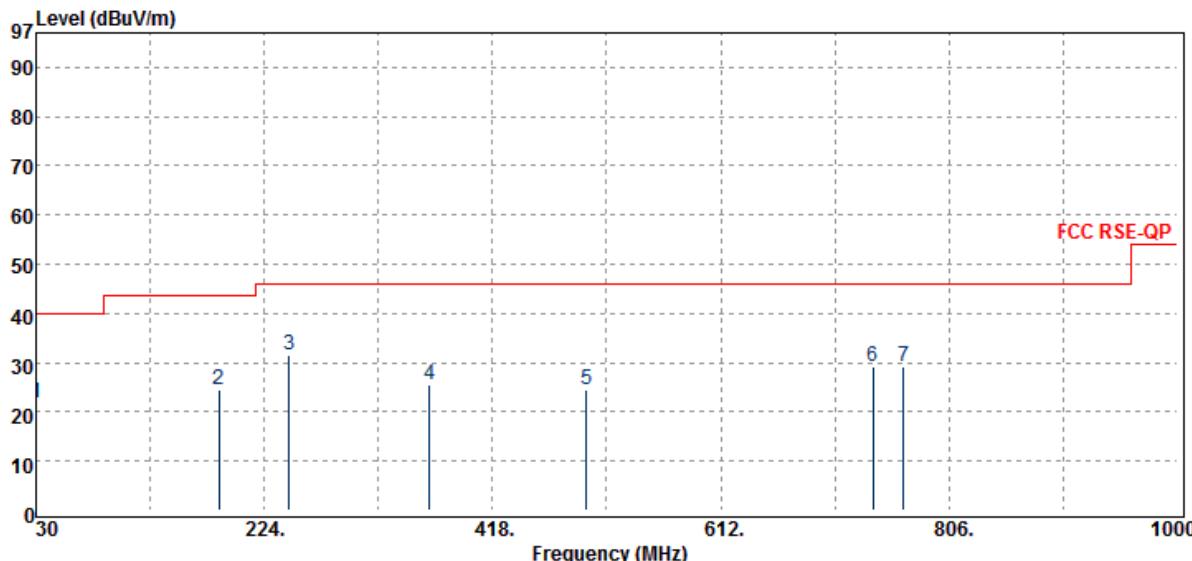
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Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-23
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level		Factor	Actual FS	Limit @3m	Margin
			PK/QP/AV	dB μ V				
30.00	S	Peak	31.00	-9.19	21.81	40.00	-18.19	
185.20	S	Peak	33.44	-9.06	24.38	43.50	-19.12	
245.34	S	Peak	39.73	-8.03	31.70	46.00	-14.30	
364.65	S	Peak	30.13	-4.69	25.44	46.00	-20.56	
497.54	S	Peak	26.83	-2.38	24.45	46.00	-21.55	
741.01	S	Peak	27.05	2.17	29.22	46.00	-16.78	
767.20	S	Peak	26.17	3.14	29.31	46.00	-16.69	

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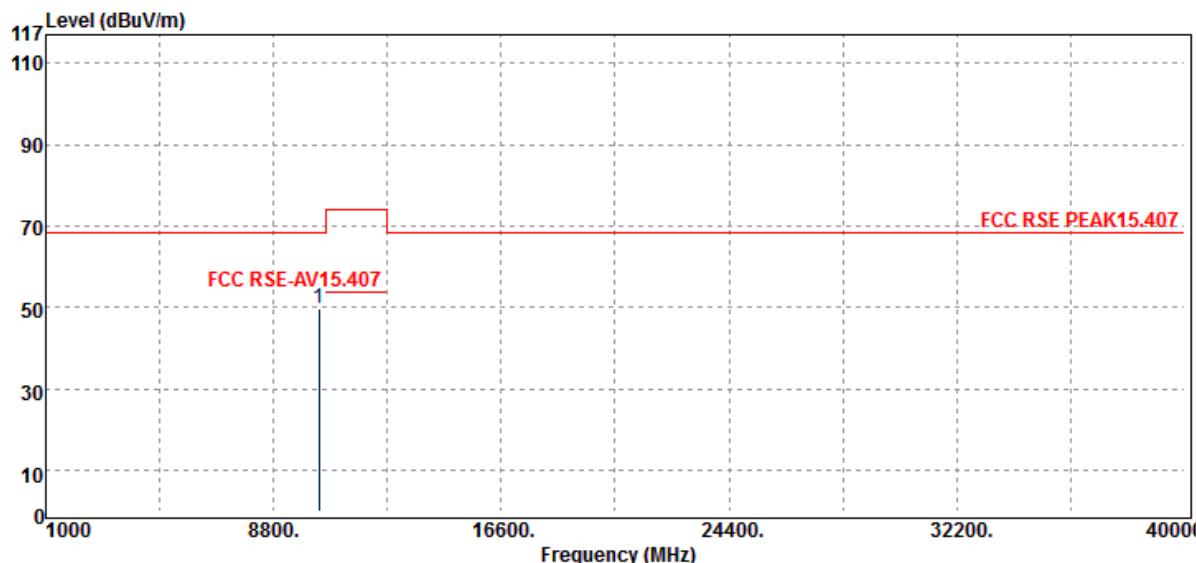
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Above 1GHz Worst-Case Data: *Dipole Antenna

802.11a, 5150~5250 MHz

Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5180 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Safe
						dB μ V/m	dB μ V/m
10360.00	H	Peak	33.34	16.33	49.67	68.30	-18.63

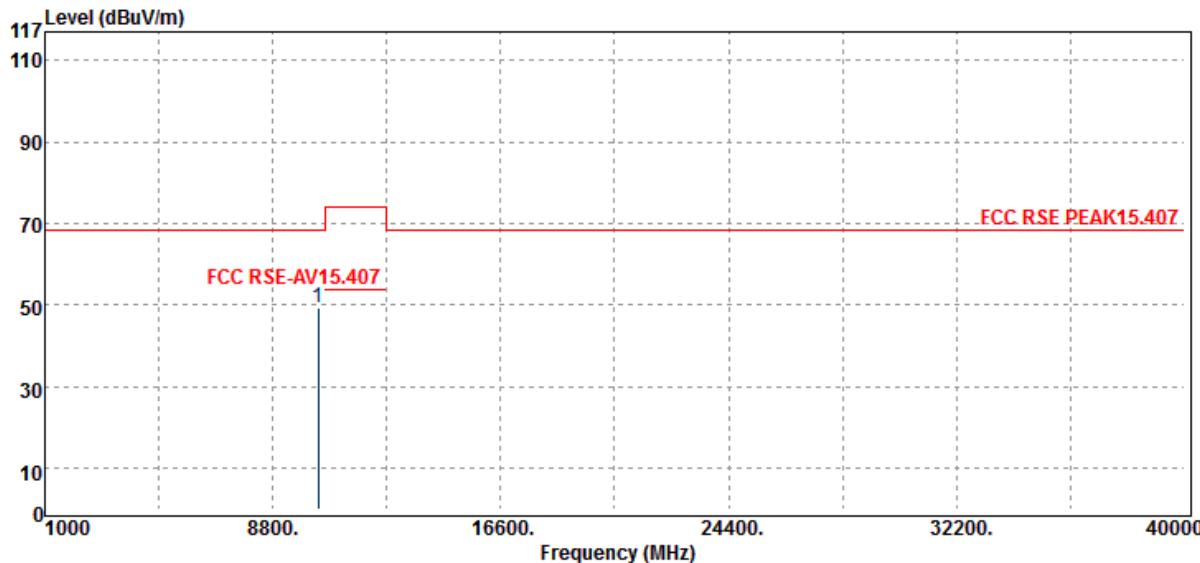
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Operation Band :802.11aB1
 Fundamental Frequency :5180 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Limit @3m dB μ V/m	Safe Margin dB
10360.00	H	Peak	33.17	16.33	49.50	68.30	-18.80

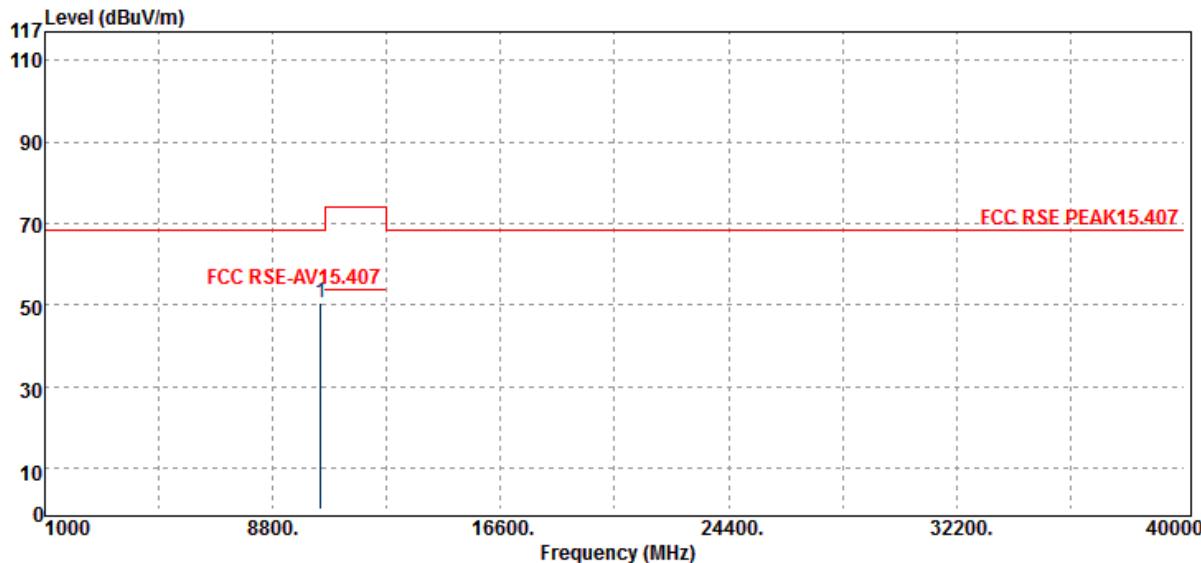
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Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	
10440.00	H	Peak	34.14	16.60	50.74	68.30	-17.56

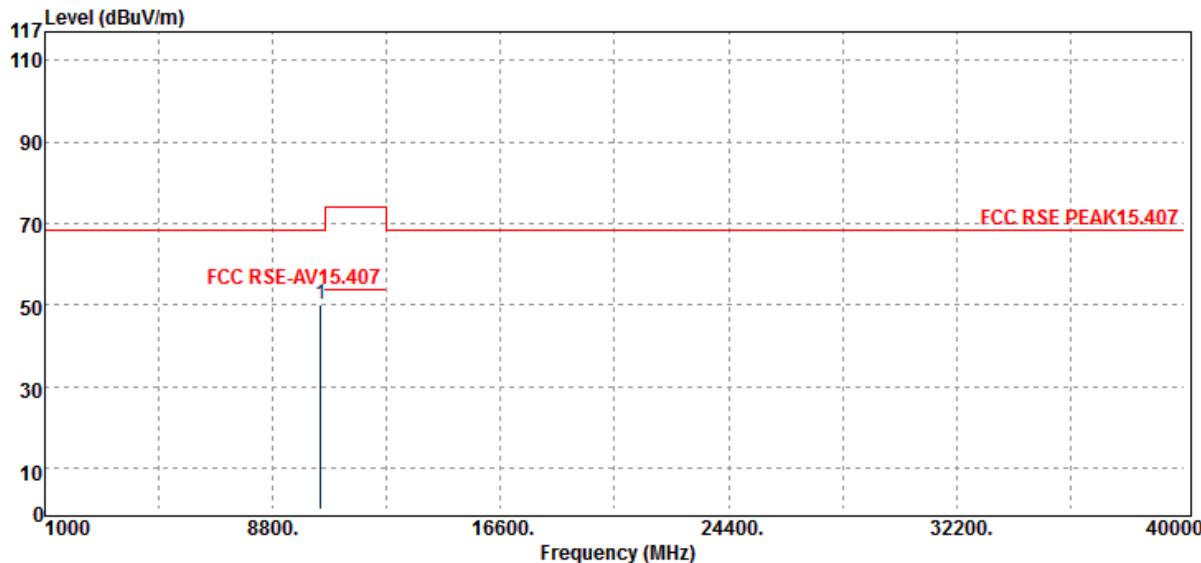
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Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Limit @3m dB μ V/m	Safe Margin dB
10440.00	H	Peak	33.54	16.60	50.14	68.30	-18.16

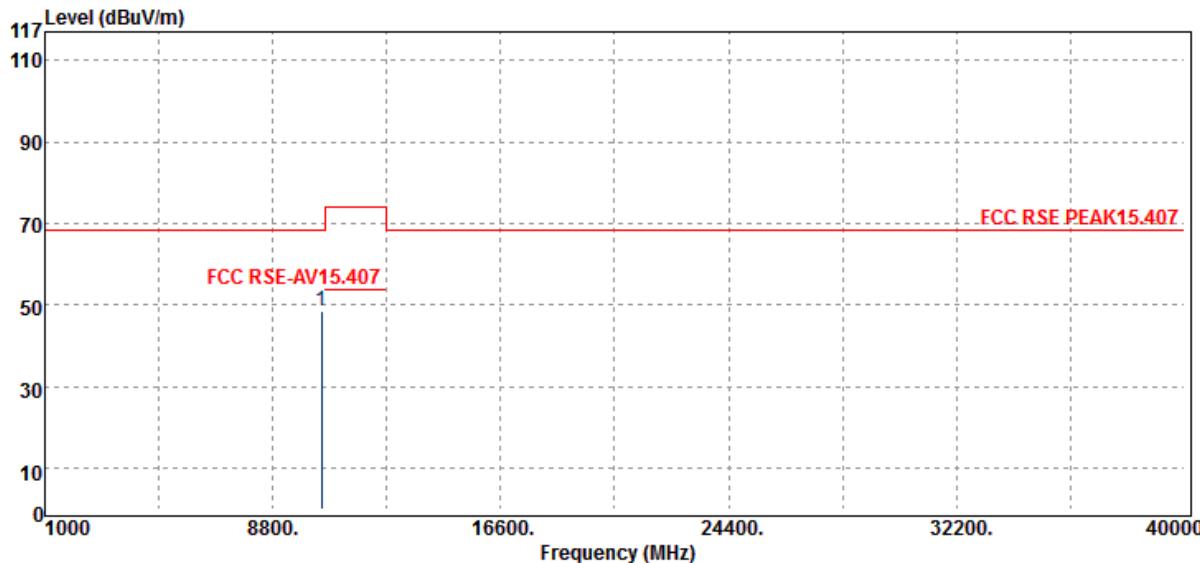
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Operation Band :802.11aB1
 Fundamental Frequency :5240 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
10480.00	H	Peak	32.59	16.14	48.73	68.30	-19.57

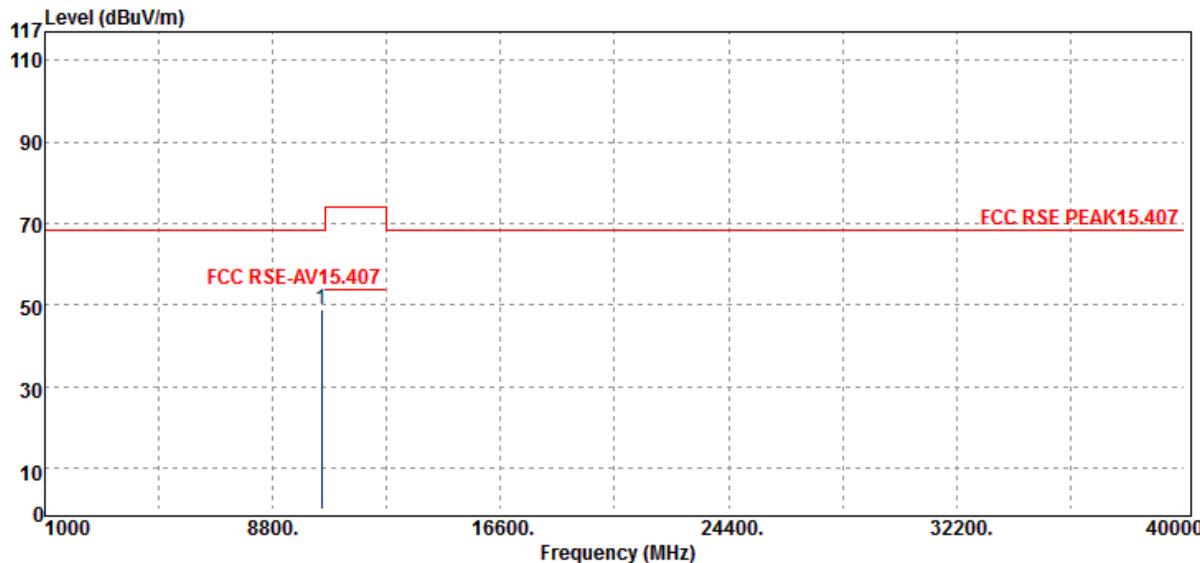
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Operation Band :802.11aB1
Fundamental Frequency :5240 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :H Plane

Test Date :2017-03-20
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10480.00	H	Peak	32.89	16.14	49.03	68.30	-19.27

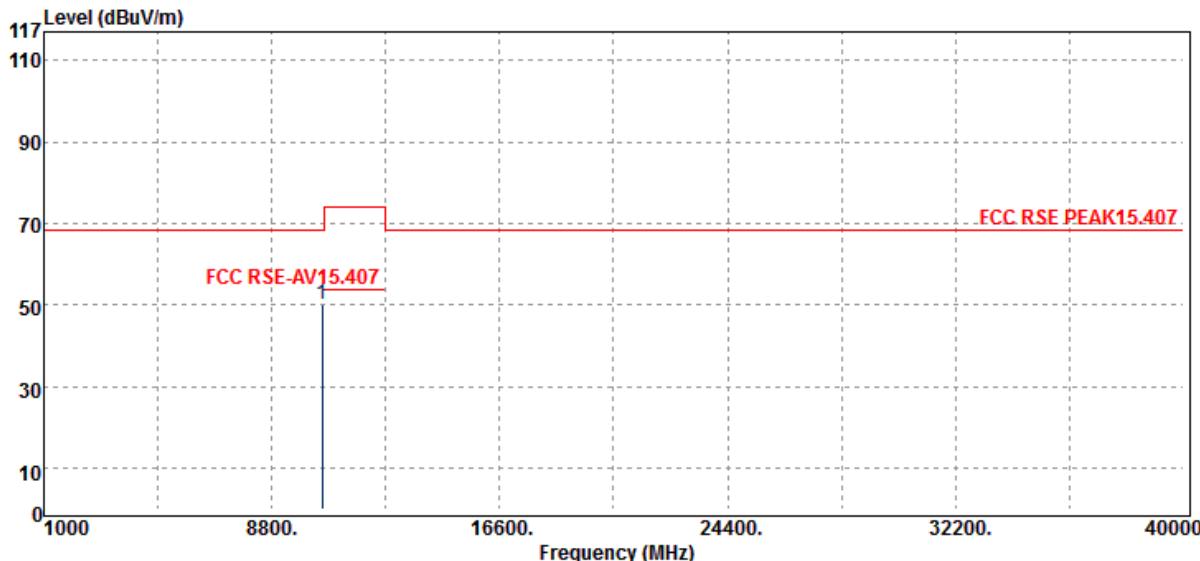
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802.11a, 5250MHz-5350MHz

Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



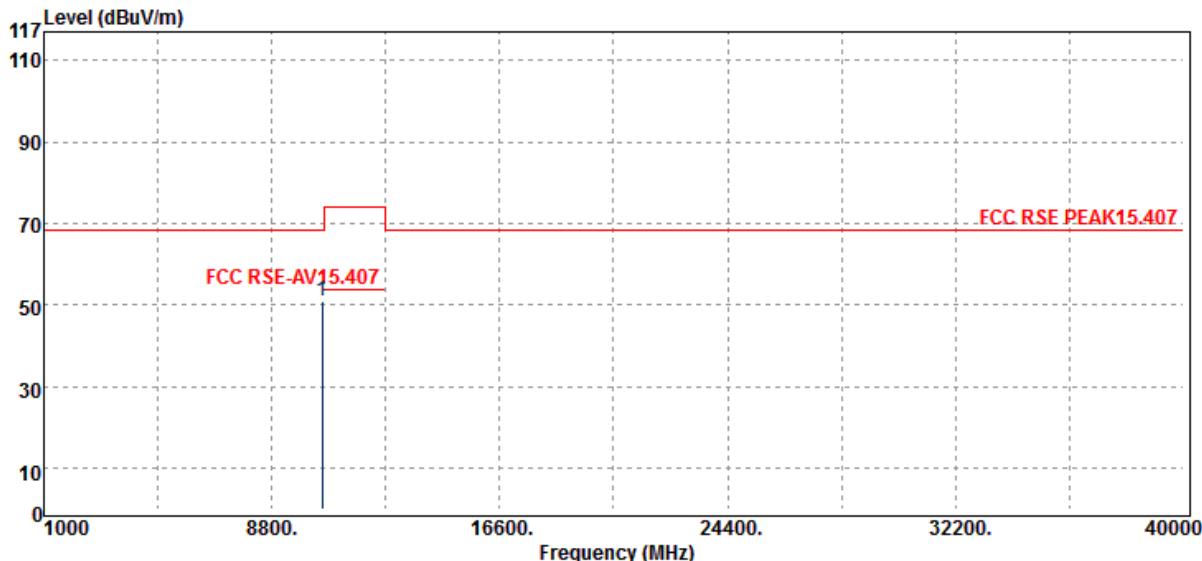
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10520.00	H	Peak	32.87	17.17	50.04	68.30	-18.26

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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10520.00	H	Peak	33.88	17.17	51.05	68.30	-17.25

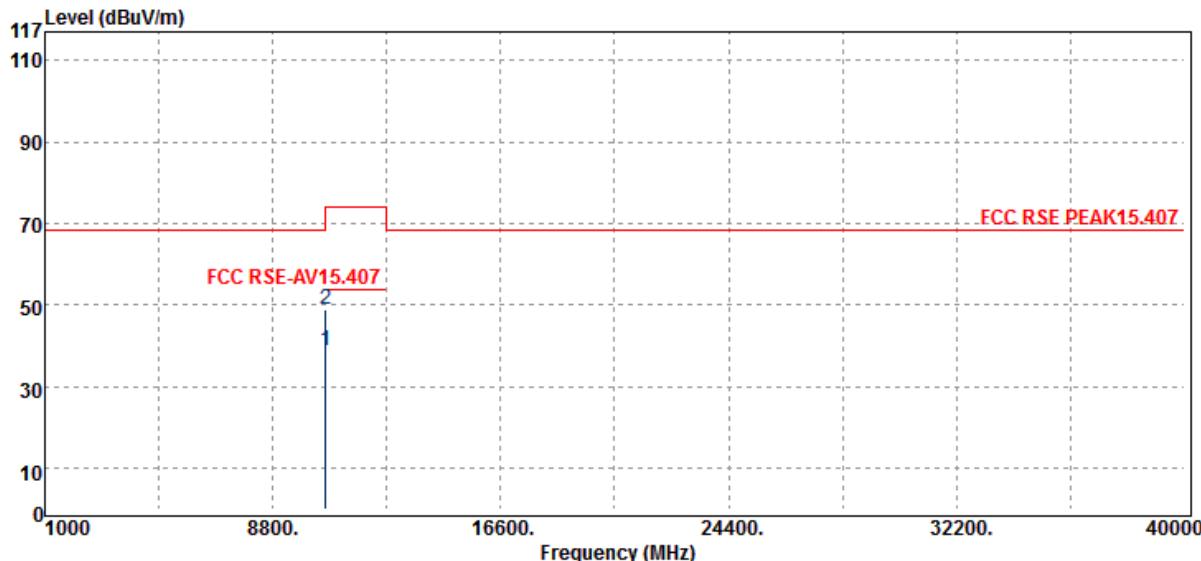
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Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



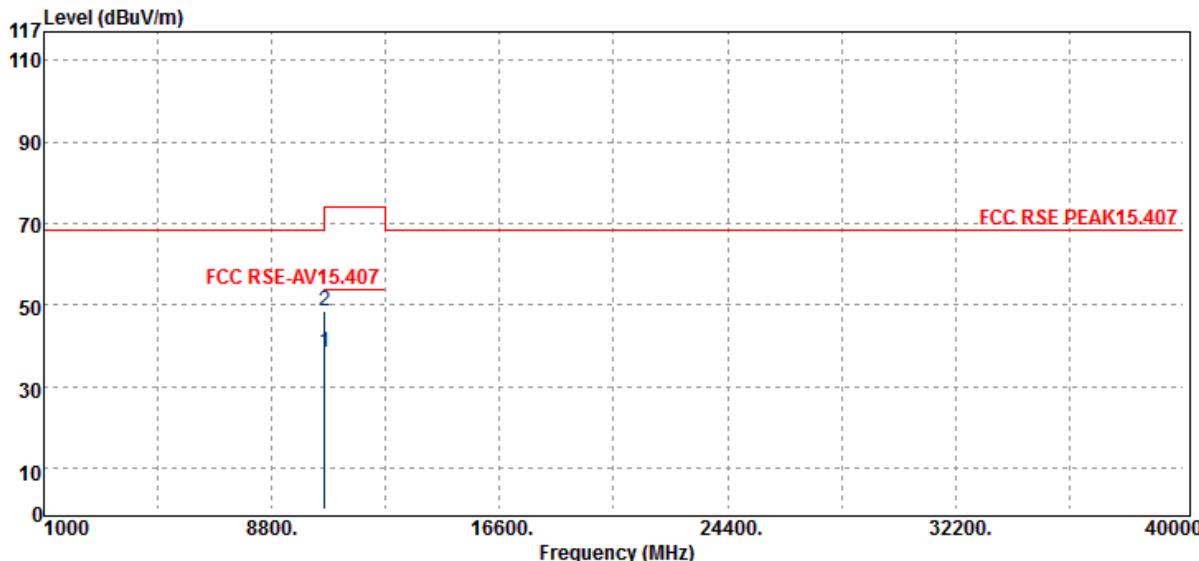
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average	22.13	16.64	38.77	54.00	-15.23	
10600.00	H	Peak	32.48	16.64	49.12	74.00	-24.88	

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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average	21.88	16.64	38.52	54.00	-15.48	
10600.00	H	Peak	32.08	16.64	48.72	74.00	-25.28	

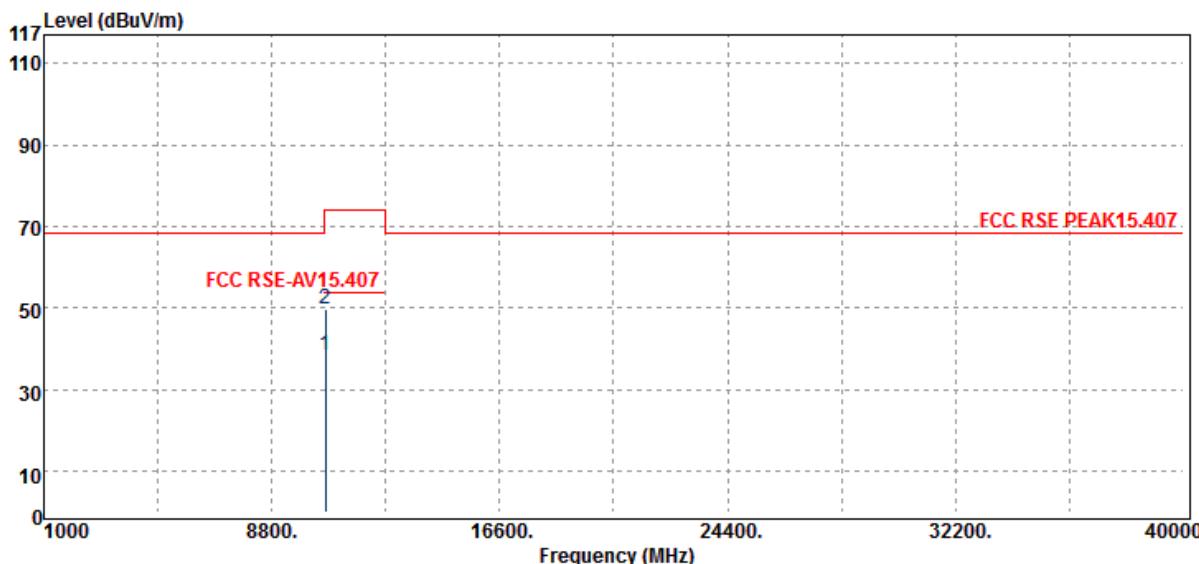
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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average	21.54	16.89	38.43	54.00	-15.57	
10640.00	H	Peak	33.07	16.89	49.96	74.00	-24.04	

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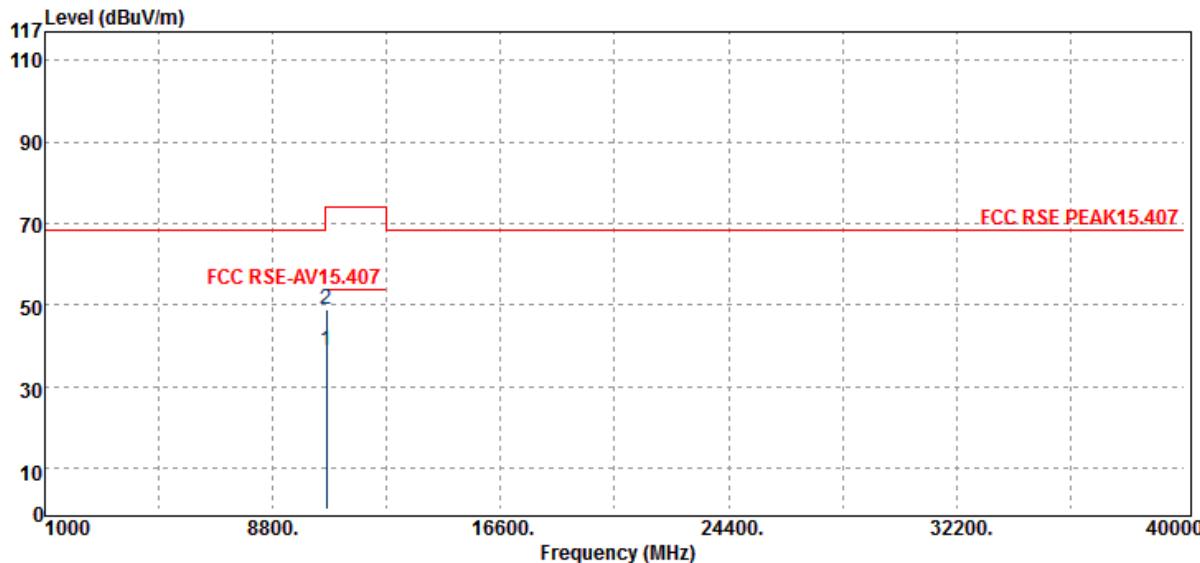
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Operation Band :802.11aB2
 Fundamental Frequency :5320 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average	21.77	16.89	38.66	54.00	-15.34	
10640.00	H	Peak	32.07	16.89	48.96	74.00	-25.04	

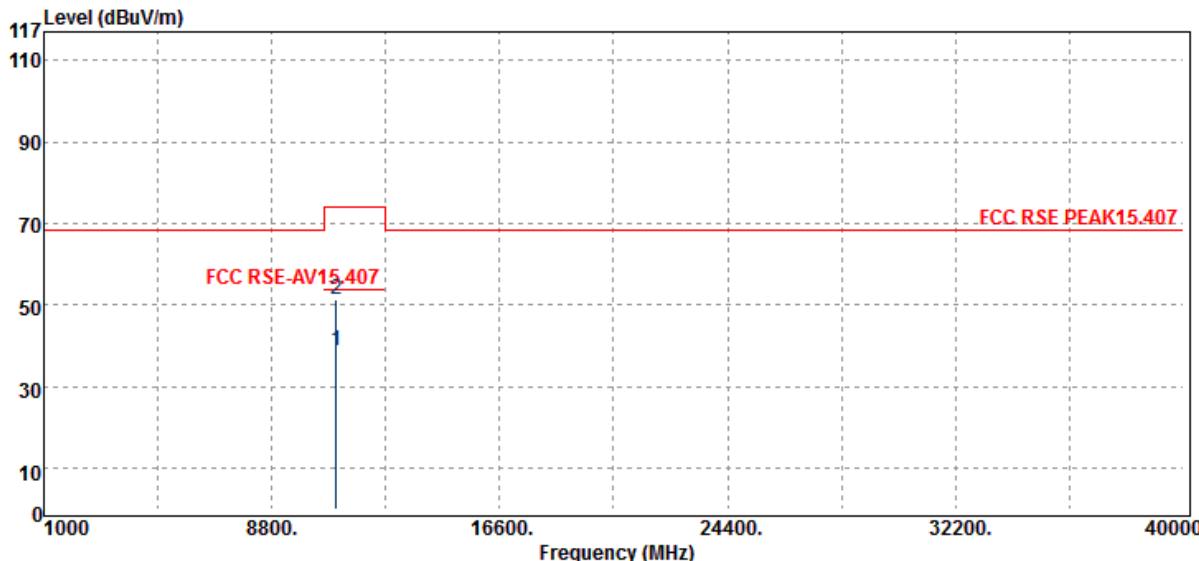
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802.11a, 5470~5725 MHz

Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average		21.45	17.58	39.03	54.00	-14.97
11000.00	H	Peak		33.94	17.58	51.52	74.00	-22.48

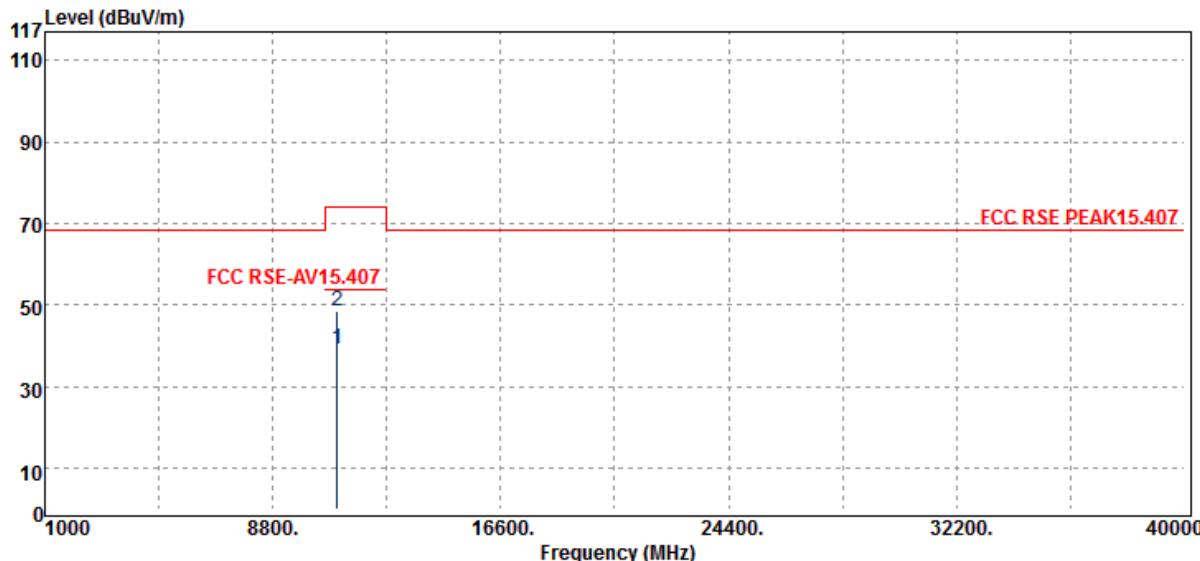
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.56	21.56	17.58	39.14	54.00	-14.86
11000.00	H	Peak	31.09	31.09	17.58	48.67	74.00	-25.33

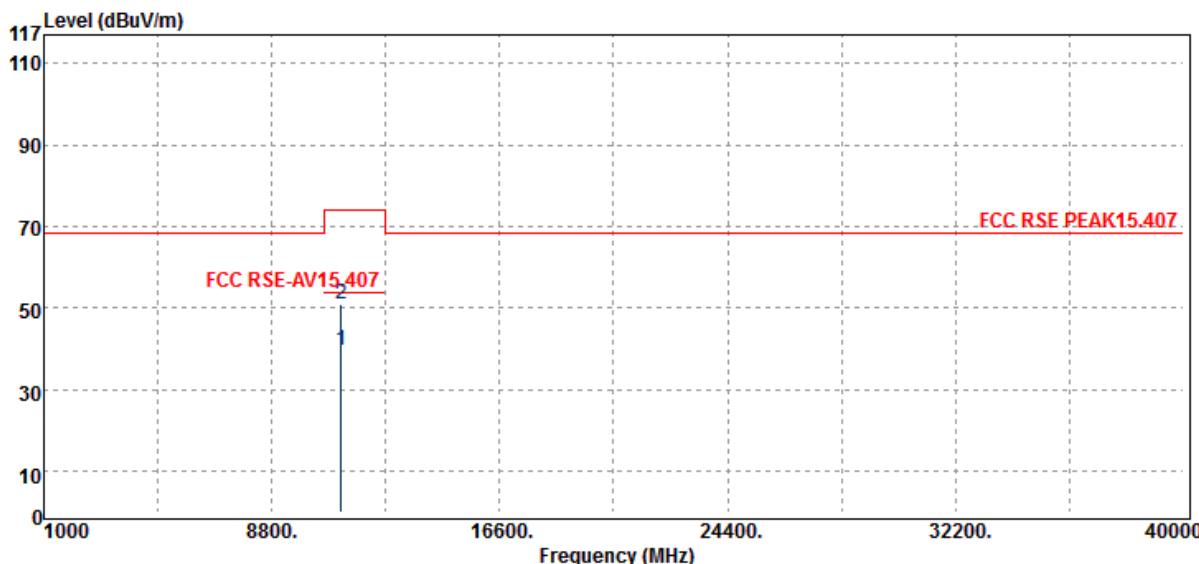
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5580 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11160.00	H	Average	21.74	21.74	18.10	39.84	54.00	-14.16
11160.00	H	Peak	33.03	33.03	18.10	51.13	74.00	-22.87

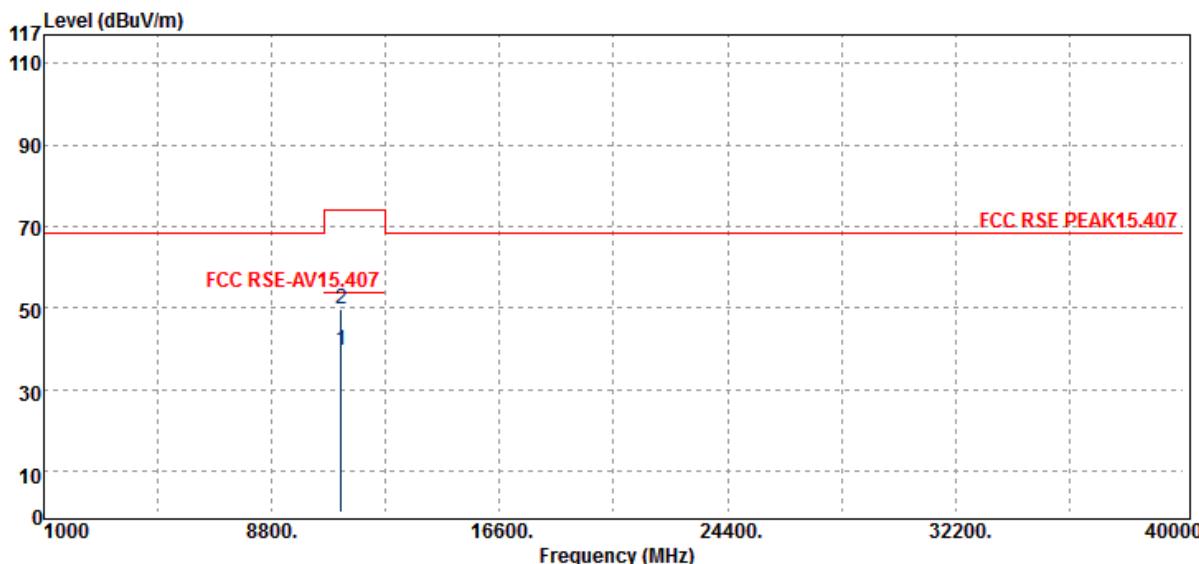
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5580 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11160.00	H	Average	21.73	21.73	18.10	39.83	54.00	-14.17
11160.00	H	Peak	31.69	31.69	18.10	49.79	74.00	-24.21

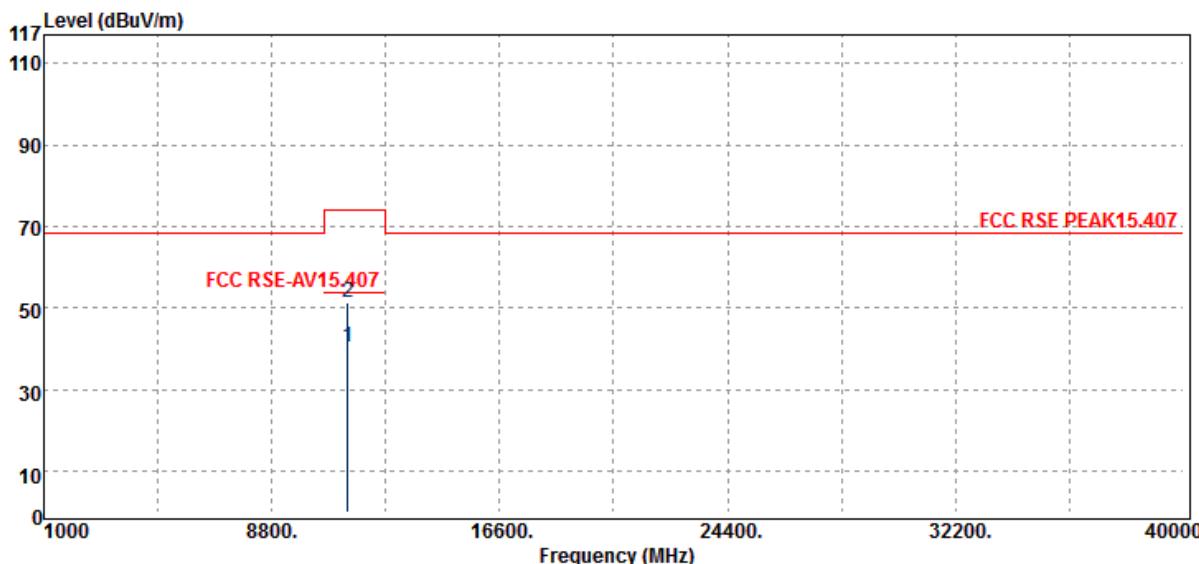
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11400.00	H	Average	21.86	18.56	40.42	54.00	-13.58	
11400.00	H	Peak	32.67	18.56	51.23	74.00	-22.77	

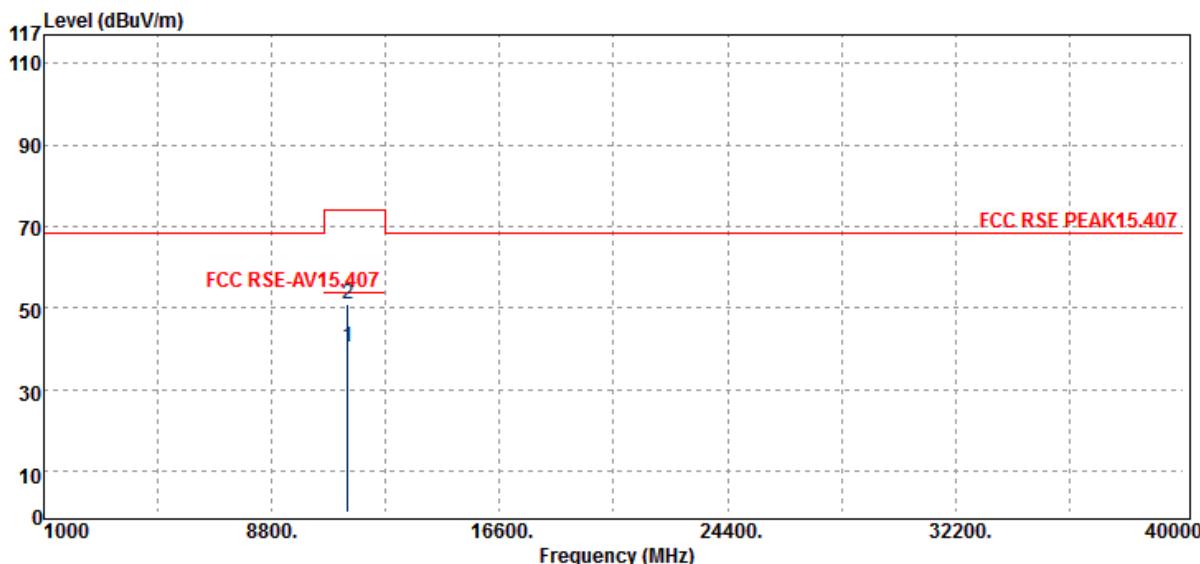
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11400.00	H	Average	21.91	18.56	40.47	54.00	-13.53	
11400.00	H	Peak	32.48	18.56	51.04	74.00	-22.96	

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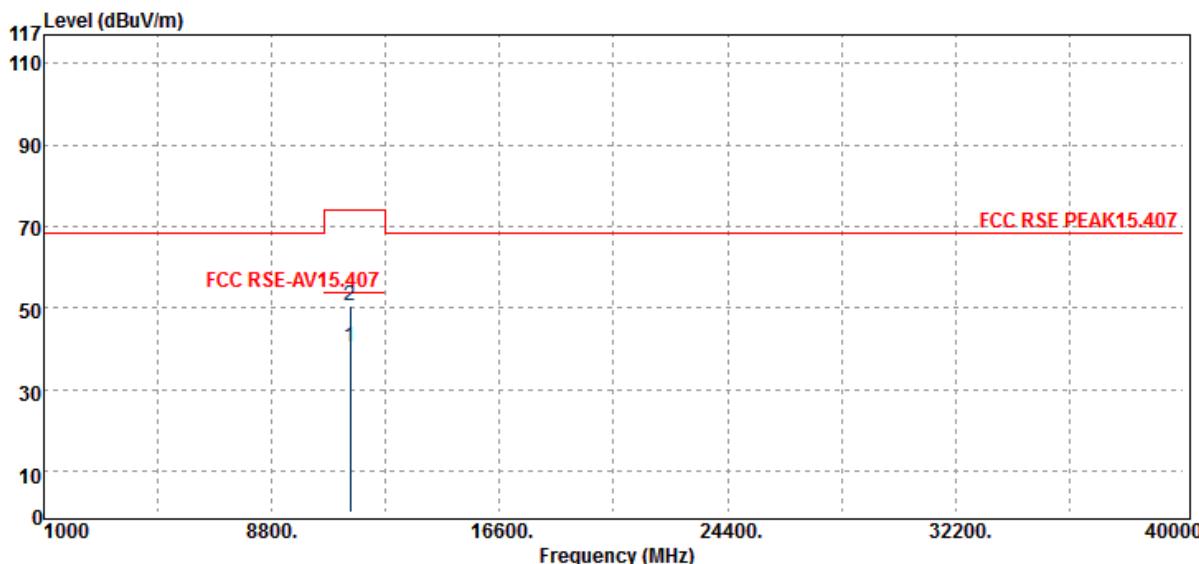
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802.11a, 5725~5850 MHz

Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5745 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11490.00	H	Average	22.08	22.08	18.55	40.63	54.00	-13.37
11490.00	H	Peak	31.98	31.98	18.55	50.53	74.00	-23.47

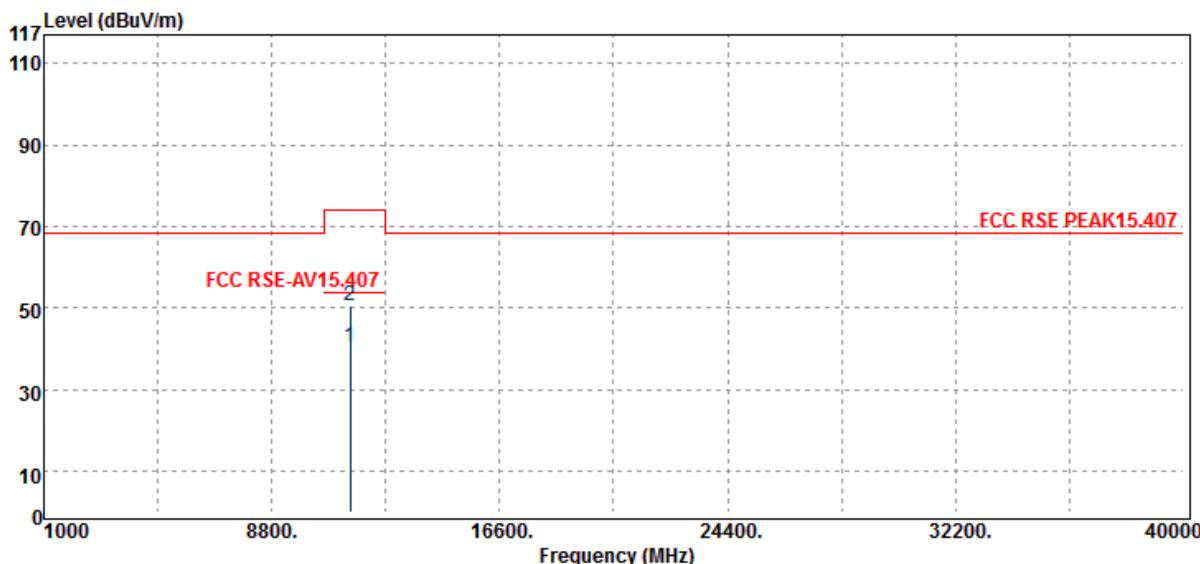
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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5745 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11490.00	H	Average	21.84	21.84	18.55	40.39	54.00	-13.61
11490.00	H	Peak	32.22	32.22	18.55	50.77	74.00	-23.23

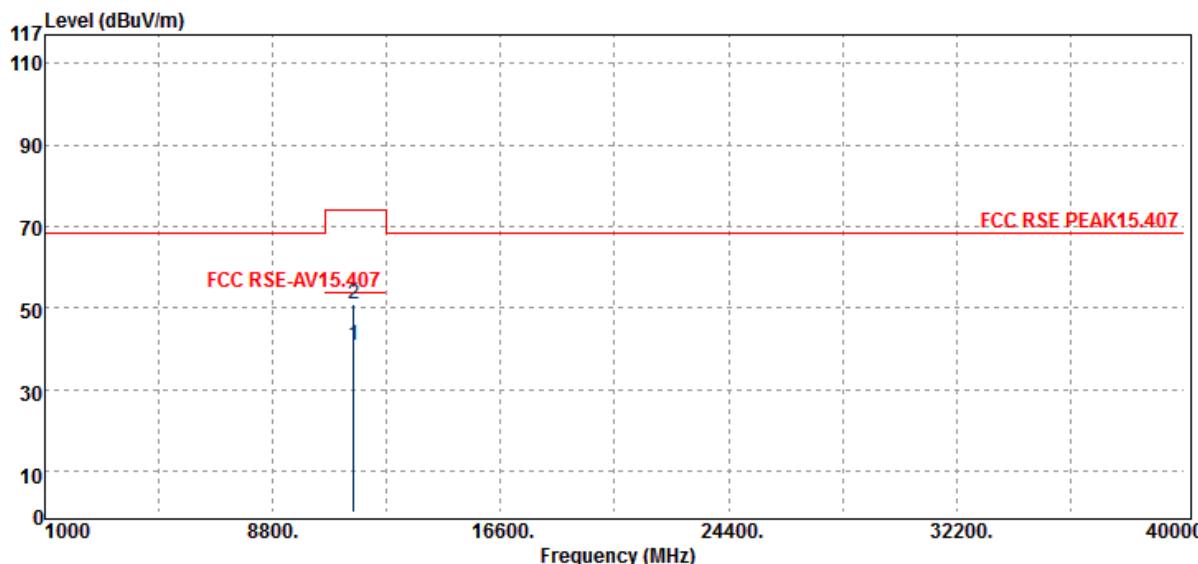
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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



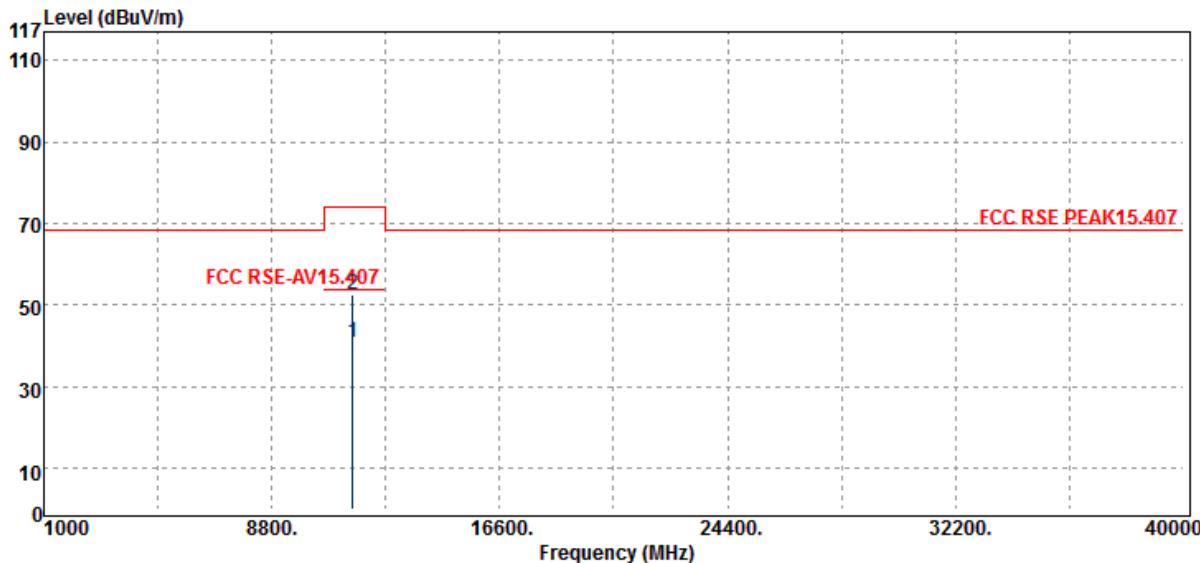
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11570.00	H	Average	21.77	18.93	40.70	54.00	-13.30	
11570.00	H	Peak	31.93	18.93	50.86	74.00	-23.14	

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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dBμV				
11570.00	H	Average	21.93	18.93	40.86	54.00	-13.14	
11570.00	H	Peak	33.81	18.93	52.74	74.00	-21.26	

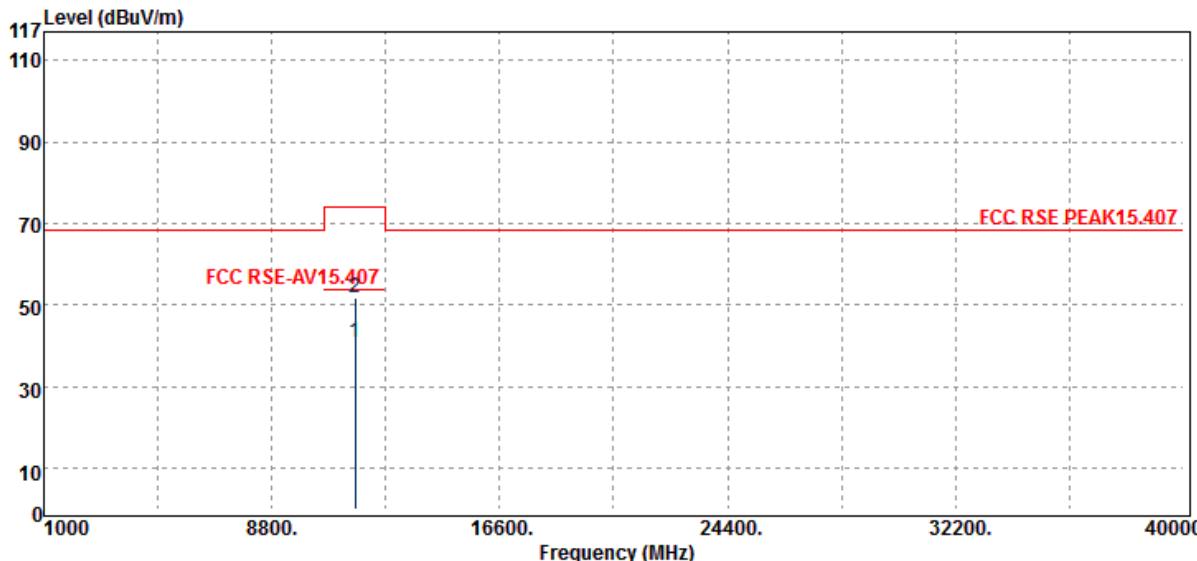
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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



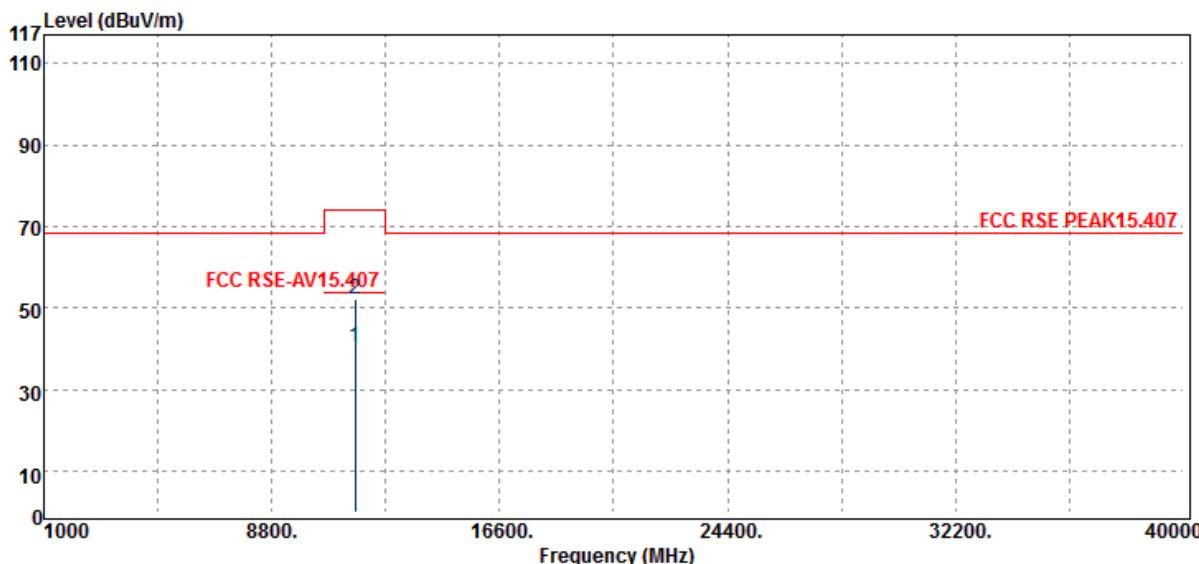
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11650.00	H	Average	21.68	21.68	19.01	40.69	54.00	-13.31
11650.00	H	Peak	32.82	32.82	19.01	51.83	74.00	-22.17

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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11650.00	H	Average	21.45	19.01	40.46	54.00	-13.54	
11650.00	H	Peak	33.09	19.01	52.10	74.00	-21.90	

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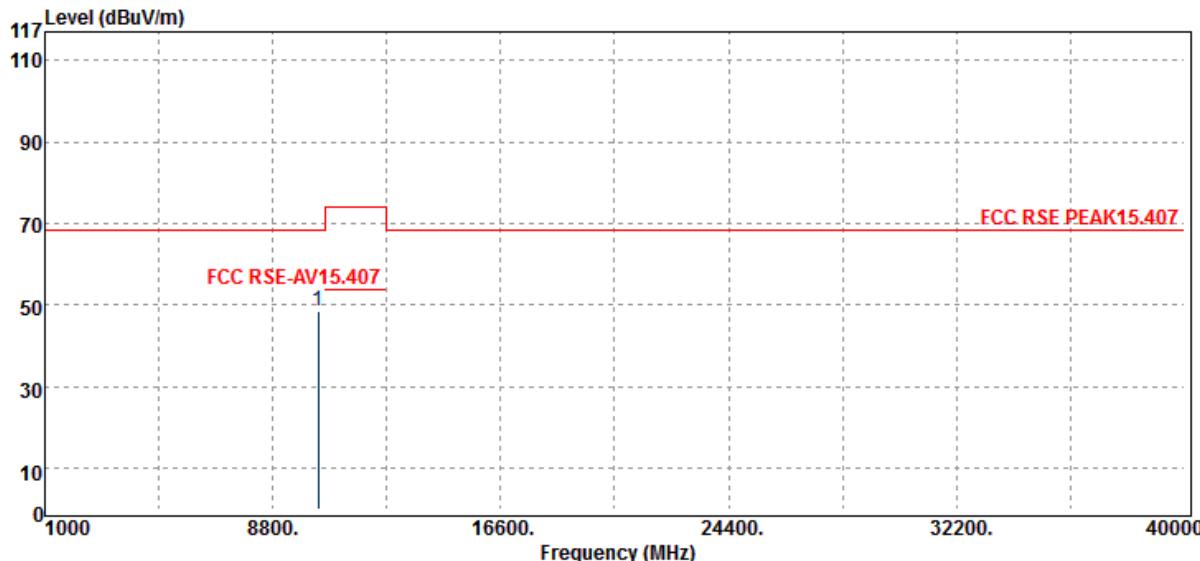
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802.11n HT20, 5150~5250 MHz

Operation Band :802.11n20B1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :H Plane

Test Date :2017-03-20
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10360.00	H	Peak	32.11	16.33	48.44	68.30	-19.86

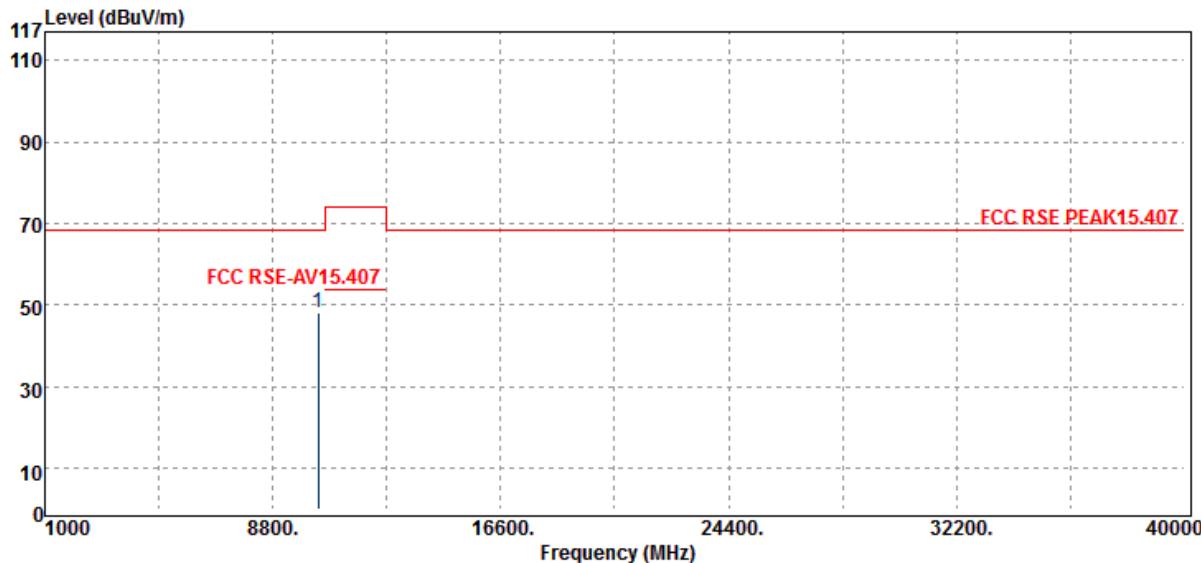
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Operation Band :802.11n20B1
 Fundamental Frequency :5180 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Limit @3m dB μ V/m	Safe Margin dB
10360.00	H	Peak	32.00	16.33	48.33	68.30	-19.97

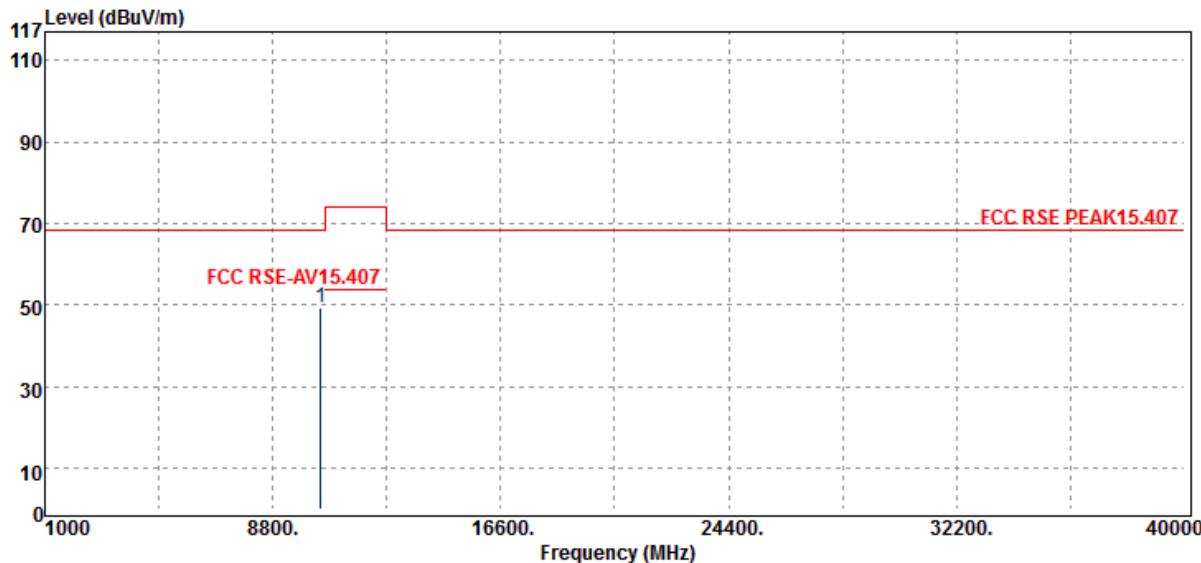
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Operation Band :802.11n20B1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



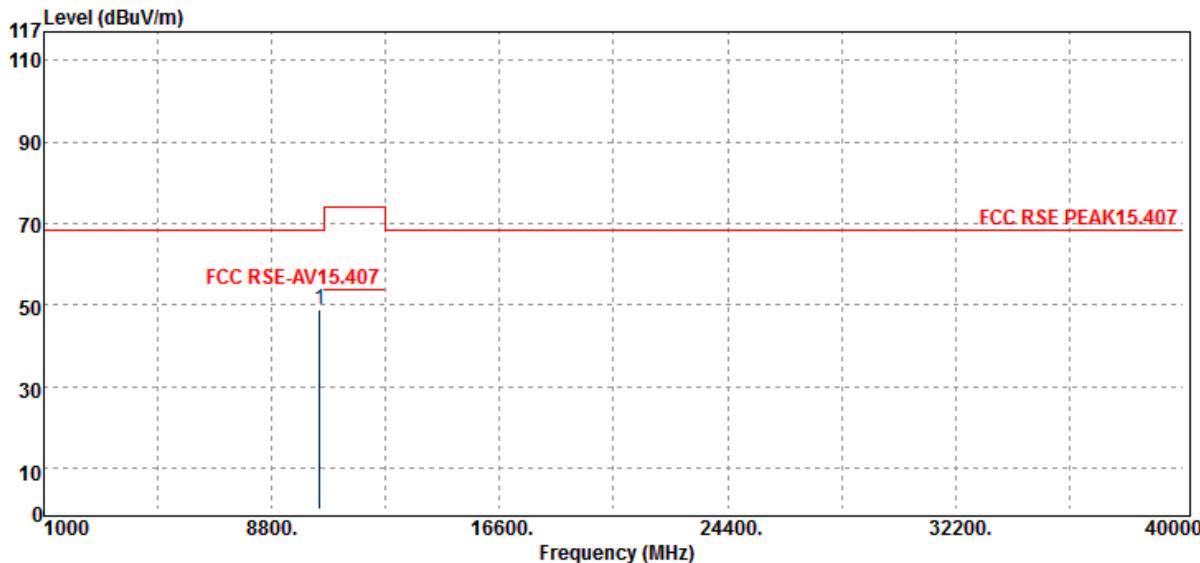
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10440.00	H	Peak	32.92	16.60	49.52	68.30	-18.78

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Operation Band	:802.11n20B1	Test Date	:2017-03-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Safe
						dBuV/m	dBuV/m
MHz	F/H/E/S	PK/QP/AV	dB μ V	dB	dBuV/m	dBuV/m	Margin
10440.00	H	Peak	32.48	16.60	49.08	68.30	-19.22

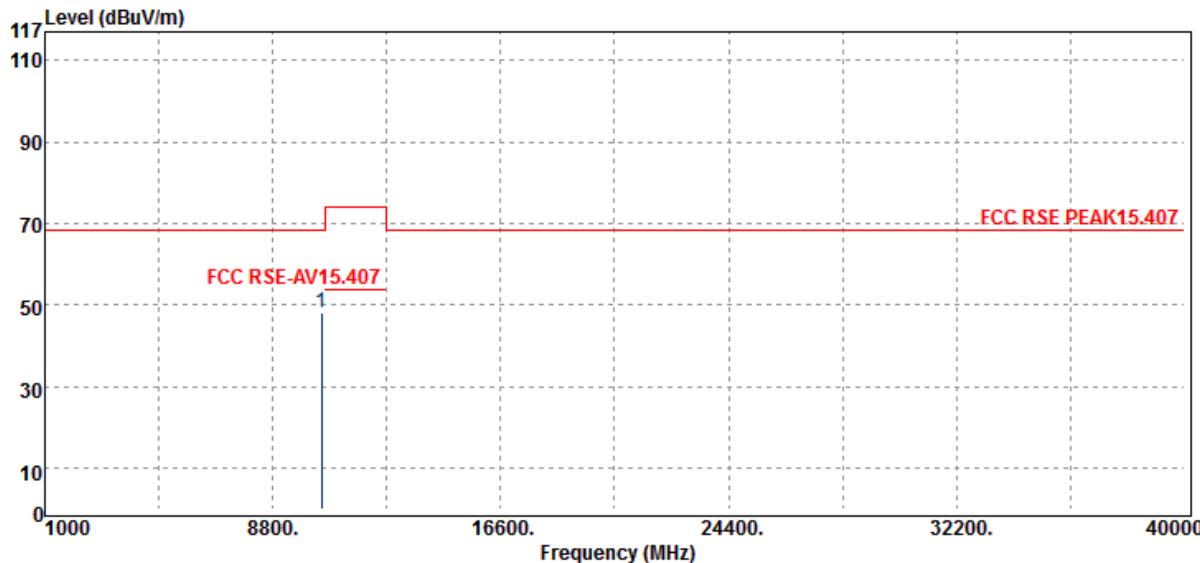
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Operation Band :802.11n20B1
 Fundamental Frequency :5240 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10480.00	H	Peak	31.95	16.14	48.09	68.30	-20.21

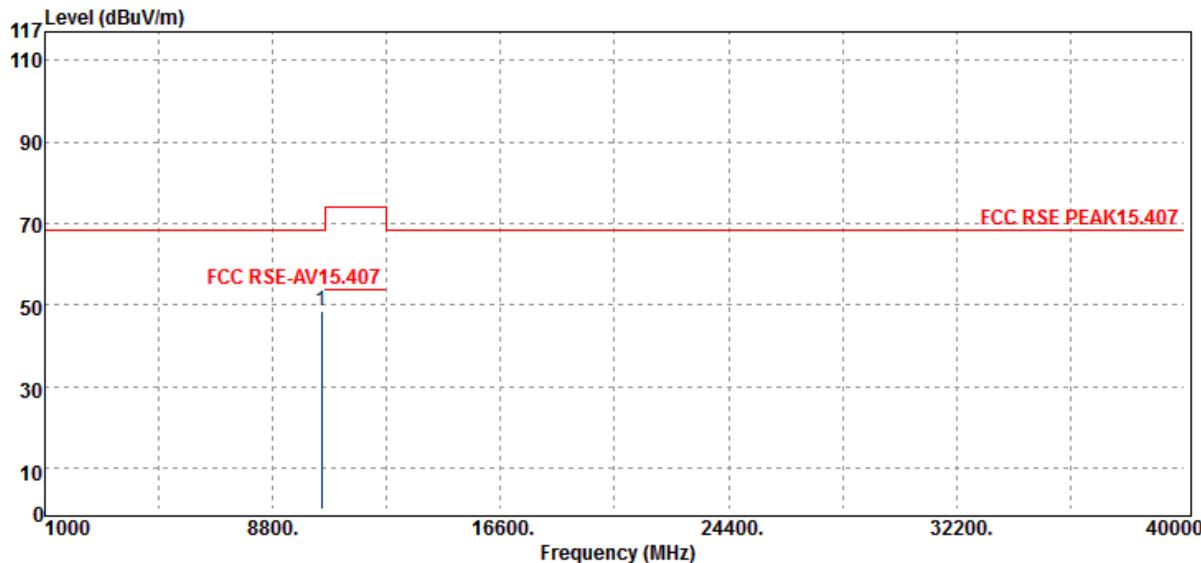
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Operation Band :802.11n20B1
 Fundamental Frequency :5240 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10480.00	H	Peak	32.48	16.14	48.62	68.30	-19.68

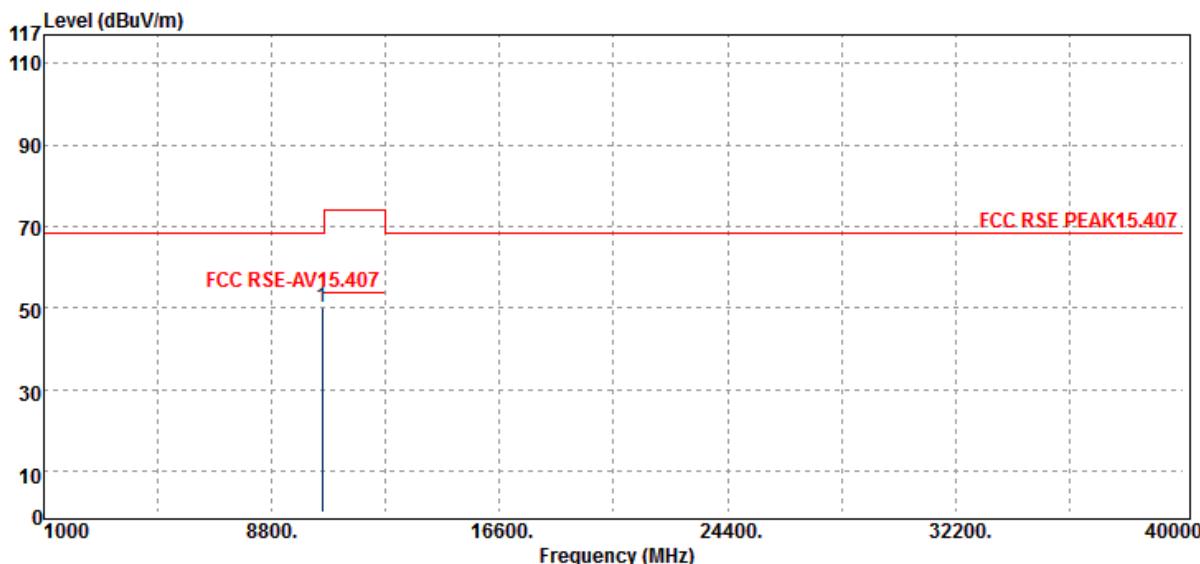
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802.11n HT20, 5250~5350 MHz

Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10520.00	H	Peak	32.88	17.17	50.05	68.30	-18.25

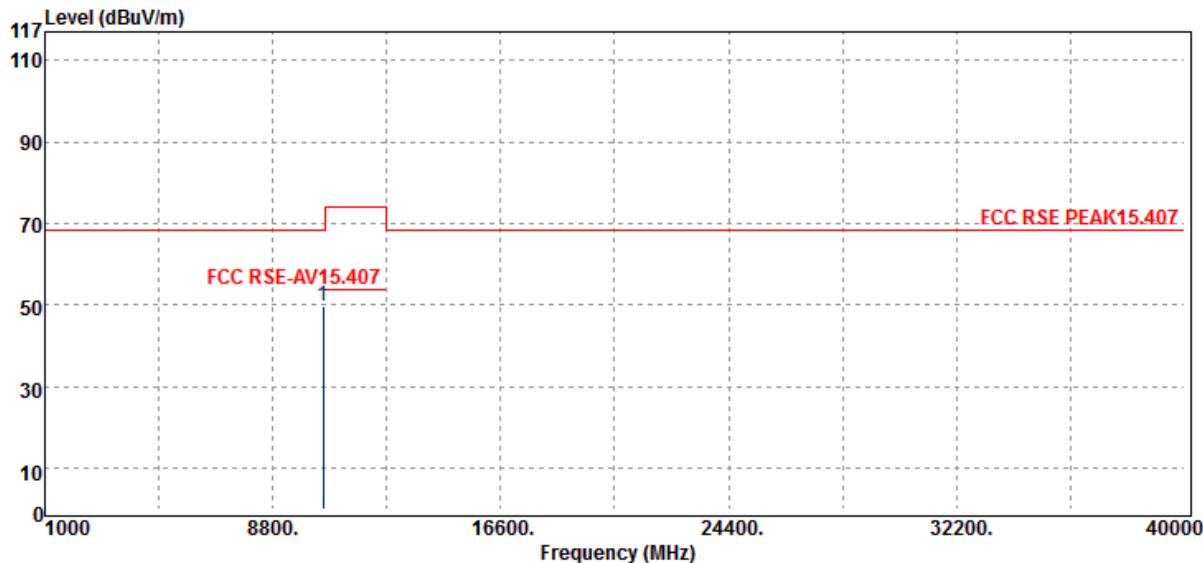
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Operation Band :802.11n20B2
 Fundamental Frequency :5260 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	
10520.00	H	Peak	32.51	17.17	49.68	68.30	-18.62

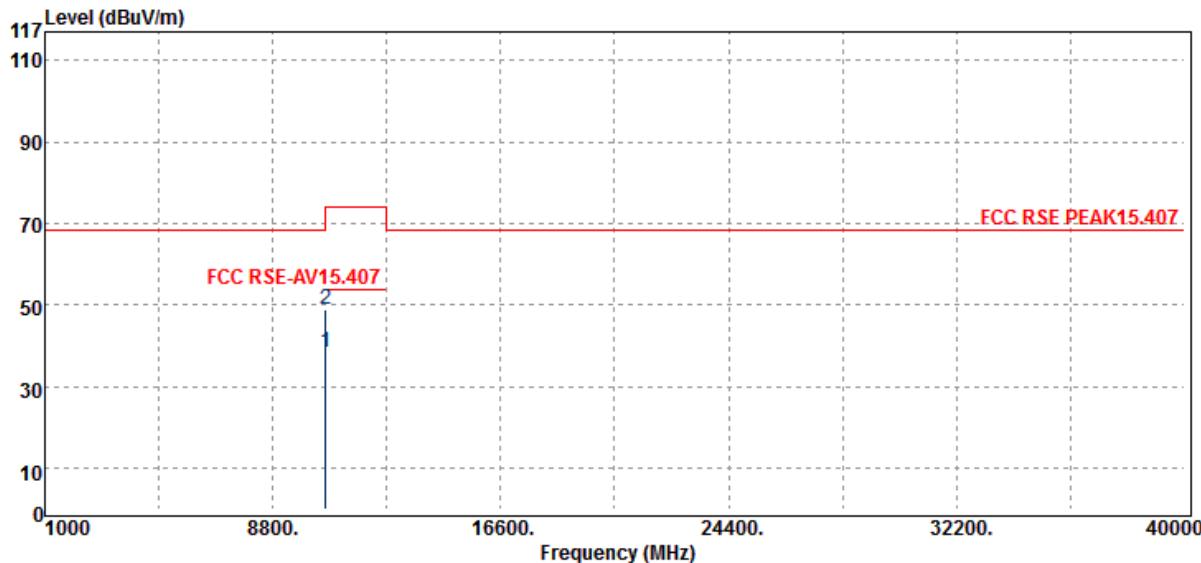
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Operation Band :802.11n20B2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average	21.93	16.64	38.57	54.00	-15.43	
10600.00	H	Peak	32.22	16.64	48.86	74.00	-25.14	

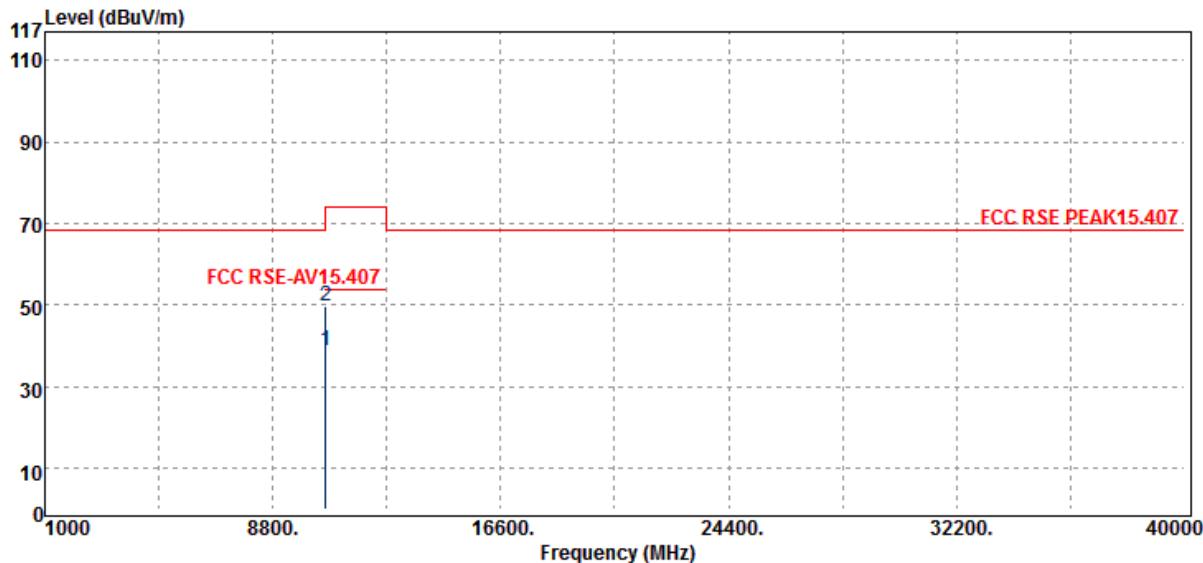
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Operation Band :802.11n20B2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



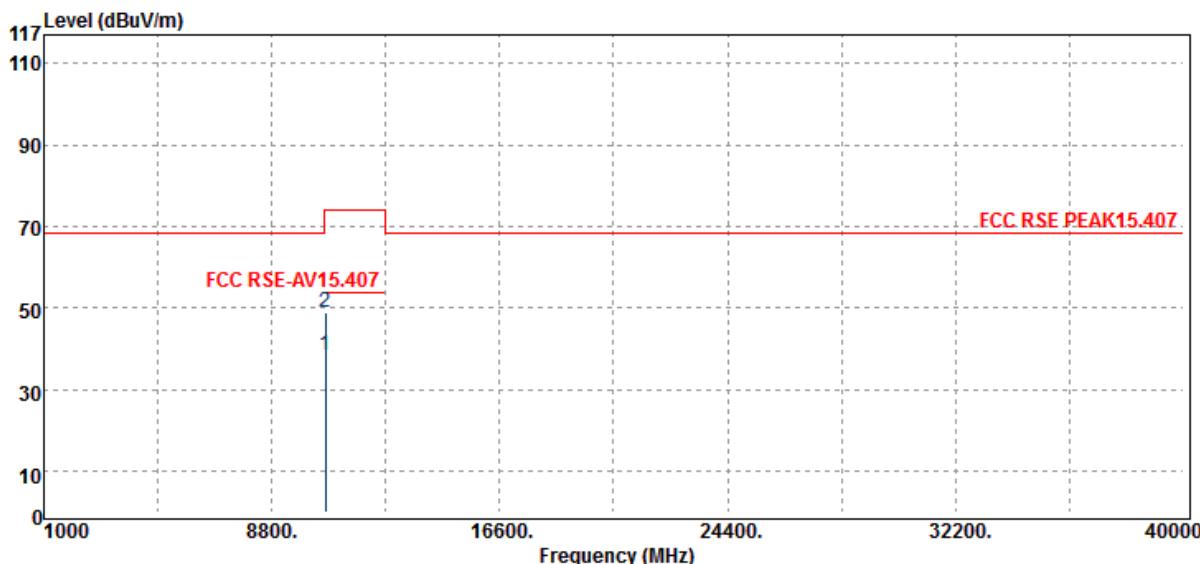
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB ^μ V	Limit @3m dB ^μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB ^μ V				
10600.00	H	Average		22.07	16.64	38.71	54.00	-15.29
10600.00	H	Peak		33.09	16.64	49.73	74.00	-24.27

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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average	21.76	16.89	38.65	54.00	-15.35	
10640.00	H	Peak	32.10	16.89	48.99	74.00	-25.01	

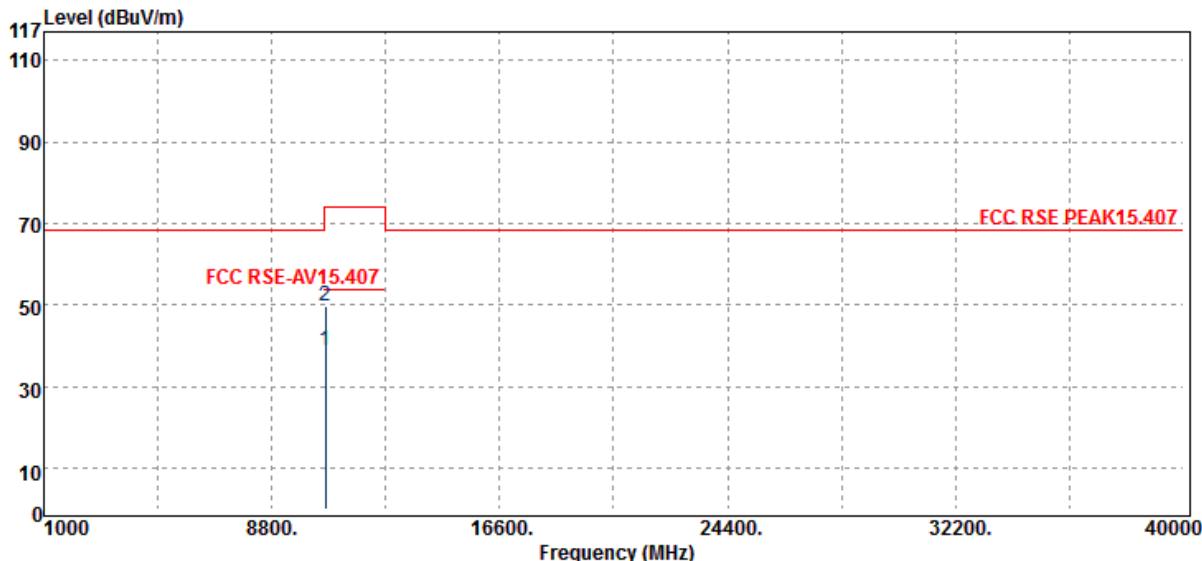
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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average	21.82	16.89	38.71	54.00	-15.29	
10640.00	H	Peak	32.84	16.89	49.73	74.00	-24.27	

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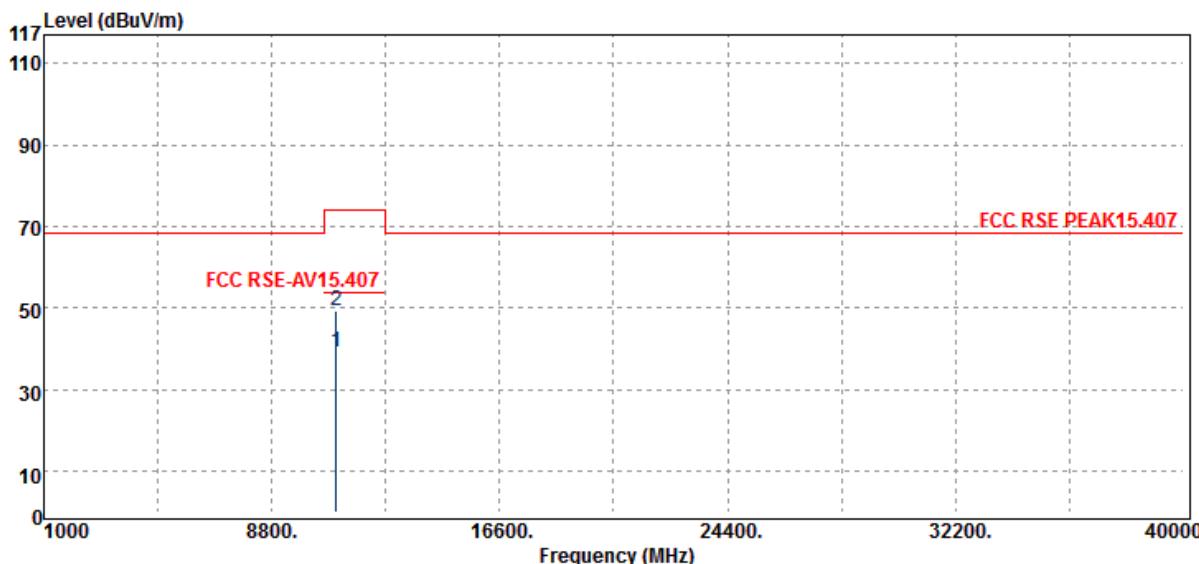
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802.11n HT20, 5470~5725 MHz

Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.57	17.58	39.15	54.00	-14.85	
11000.00	H	Peak	31.69	17.58	49.27	74.00	-24.73	

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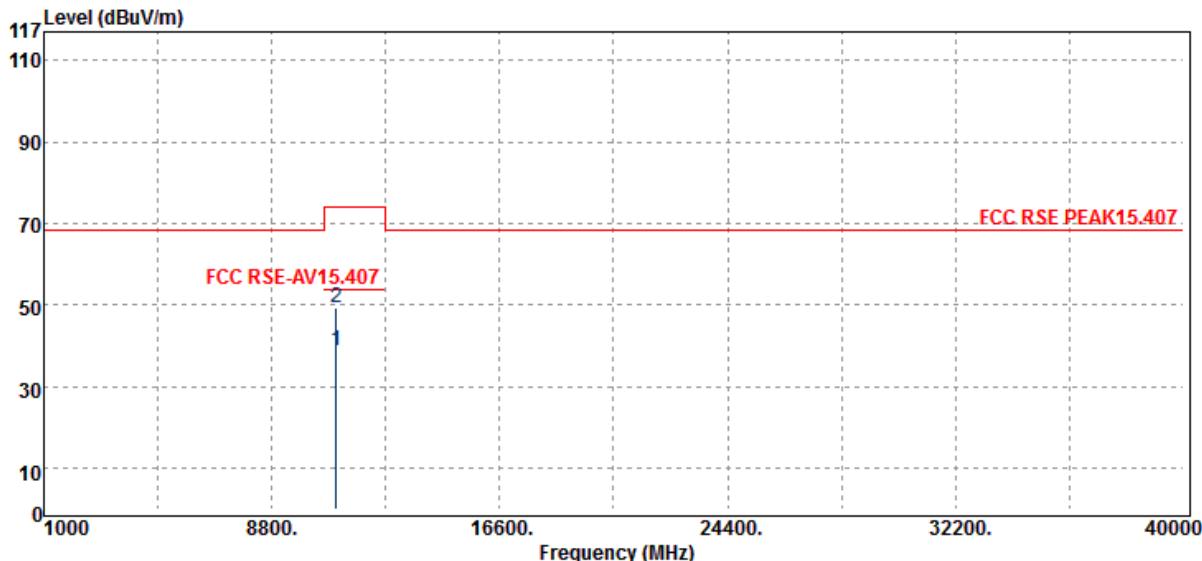
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f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



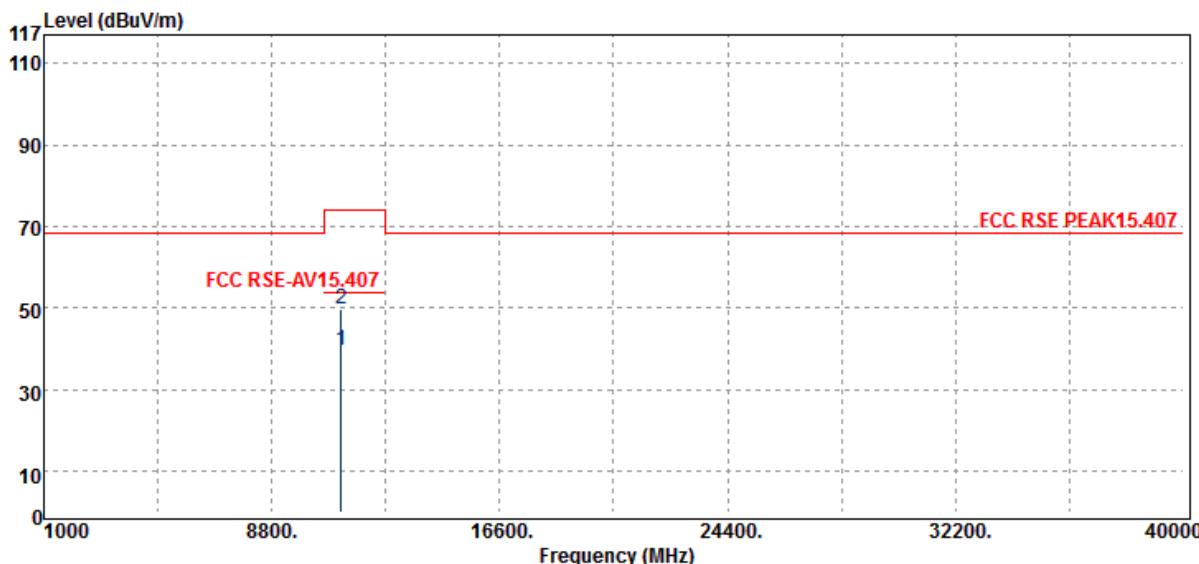
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.45	21.45	17.58	39.03	54.00	-14.97
11000.00	H	Peak	31.98	31.98	17.58	49.56	74.00	-24.44

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Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5580 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11160.00	H	Average	21.59	21.59	18.10	39.69	54.00	-14.31
11160.00	H	Peak	31.66	31.66	18.10	49.76	74.00	-24.24

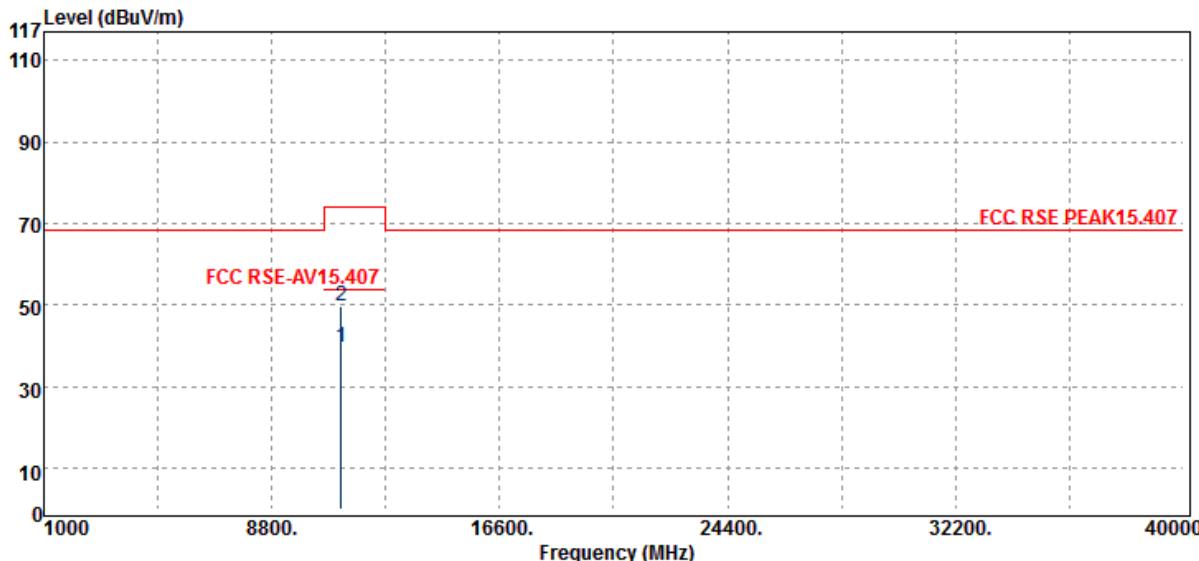
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Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5580 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



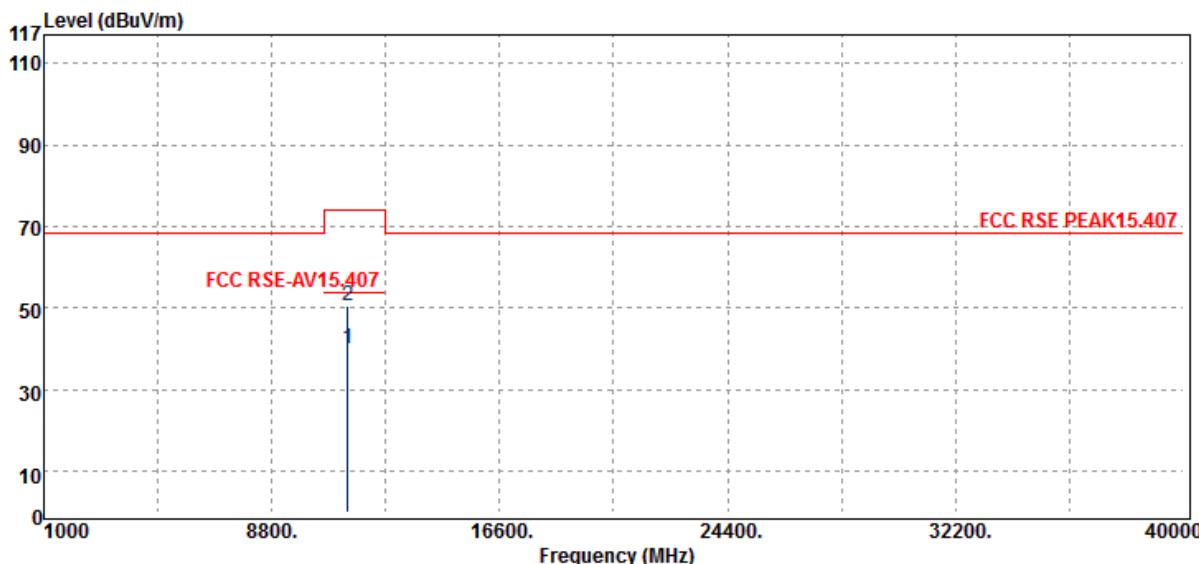
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11160.00	H	Average		21.61	18.10	39.71	54.00	-14.29
11160.00	H	Peak		31.87	18.10	49.97	74.00	-24.03

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Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11400.00	H	Average	21.49	18.56	40.05	54.00	-13.95	
11400.00	H	Peak	32.08	18.56	50.64	74.00	-23.36	

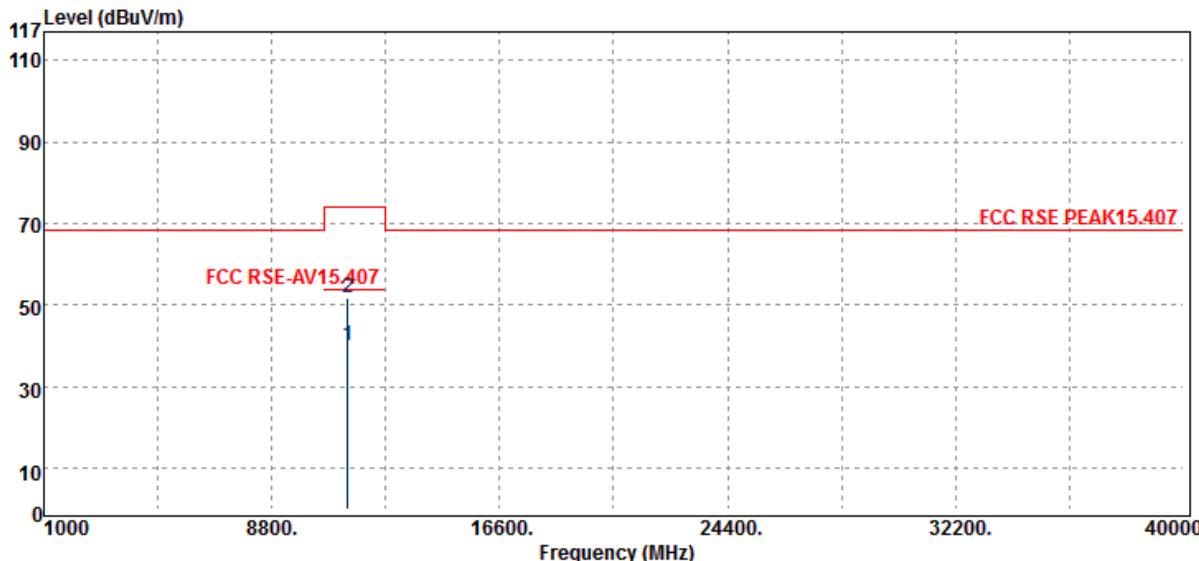
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Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11400.00	H	Average	21.59	18.56	40.15	54.00	-13.85	
11400.00	H	Peak	33.14	18.56	51.70	74.00	-22.30	

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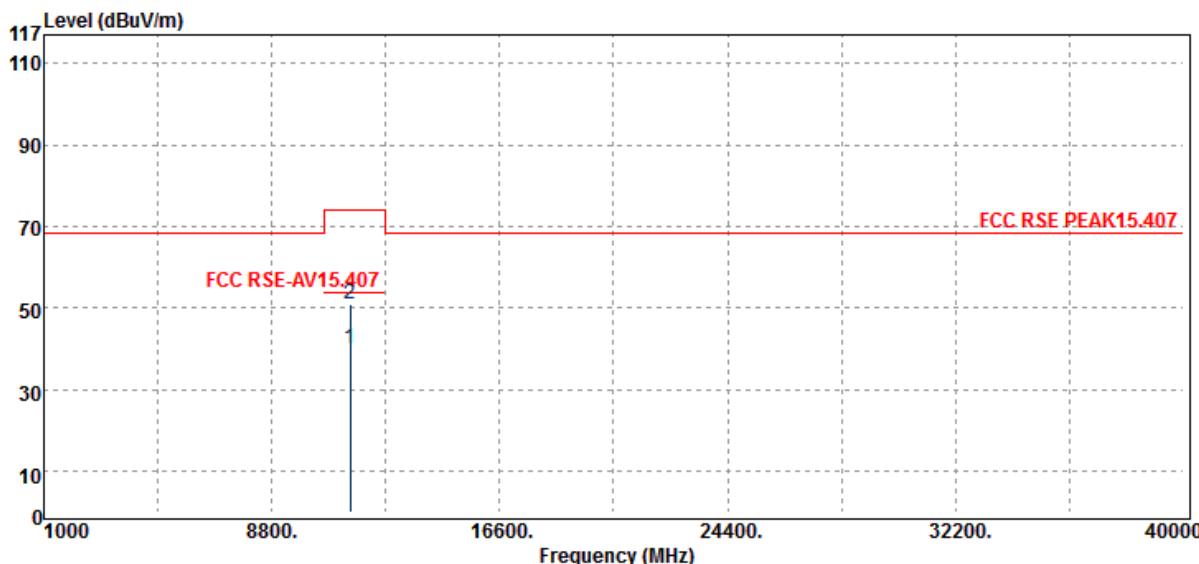
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802.11n HT20, 5470~5725 MHz

Operation Band	:802.11n20B4	Test Date	:2017-03-20
Fundamental Frequency	:5745 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11490.00	H	Average	21.41	21.41	18.55	39.96	54.00	-14.04
11490.00	H	Peak	32.51	32.51	18.55	51.06	74.00	-22.94

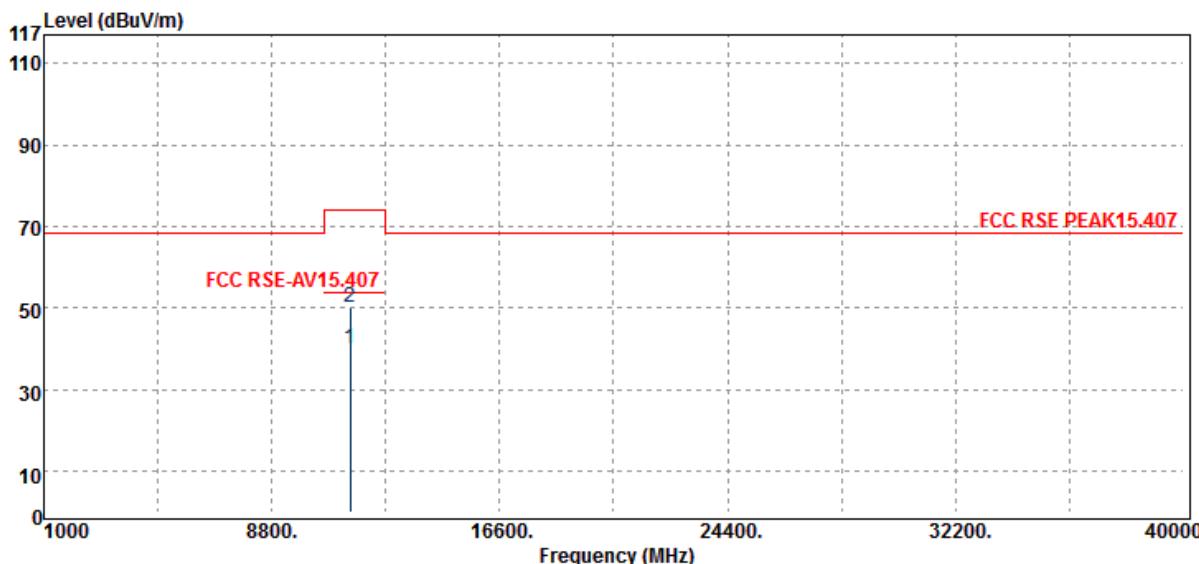
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Operation Band	:802.11n20B4	Test Date	:2017-03-20
Fundamental Frequency	:5745 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11490.00	H	Average	21.67	18.55	40.22	54.00	-13.78	
11490.00	H	Peak	31.74	18.55	50.29	74.00	-23.71	

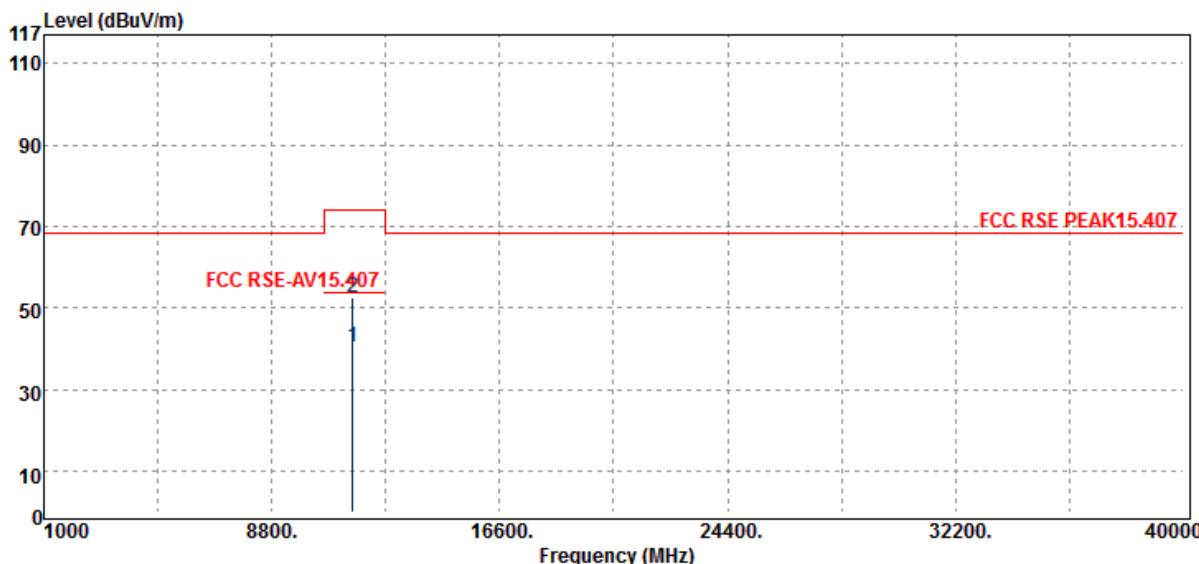
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Operation Band	:802.11n20B4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dBμV				
11570.00	H	Average	21.56	18.93	40.49	54.00	54.00	-13.51
11570.00	H	Peak	33.89	18.93	52.82	74.00	74.00	-21.18

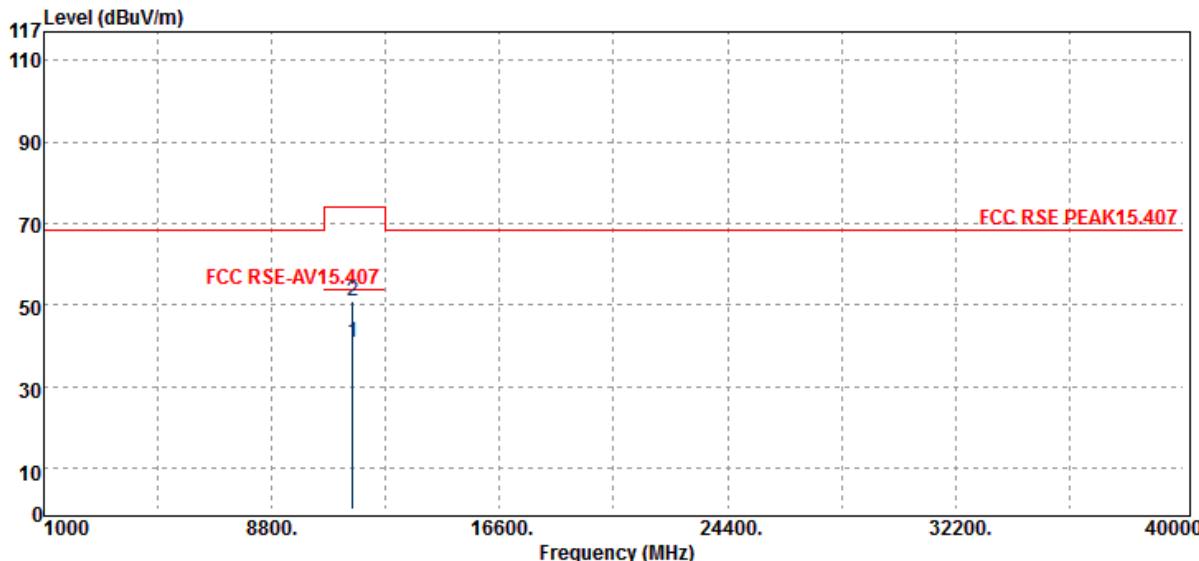
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Operation Band	:802.11n20B4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



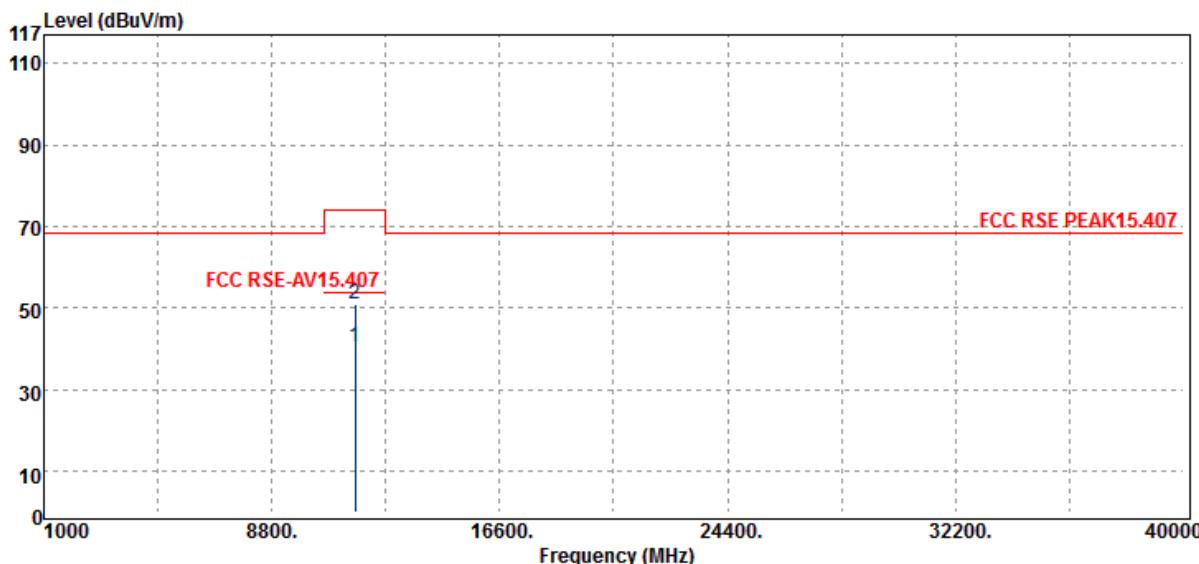
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dBµV				
11570.00	H	Average		21.79	18.93	40.72	54.00	-13.28
11570.00	H	Peak		32.11	18.93	51.04	74.00	-22.96

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Operation Band	:802.11n20B4	Test Date	:2017-03-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11650.00	H	Average	21.34	19.01	40.35	54.00	-13.65	
11650.00	H	Peak	32.18	19.01	51.19	74.00	-22.81	

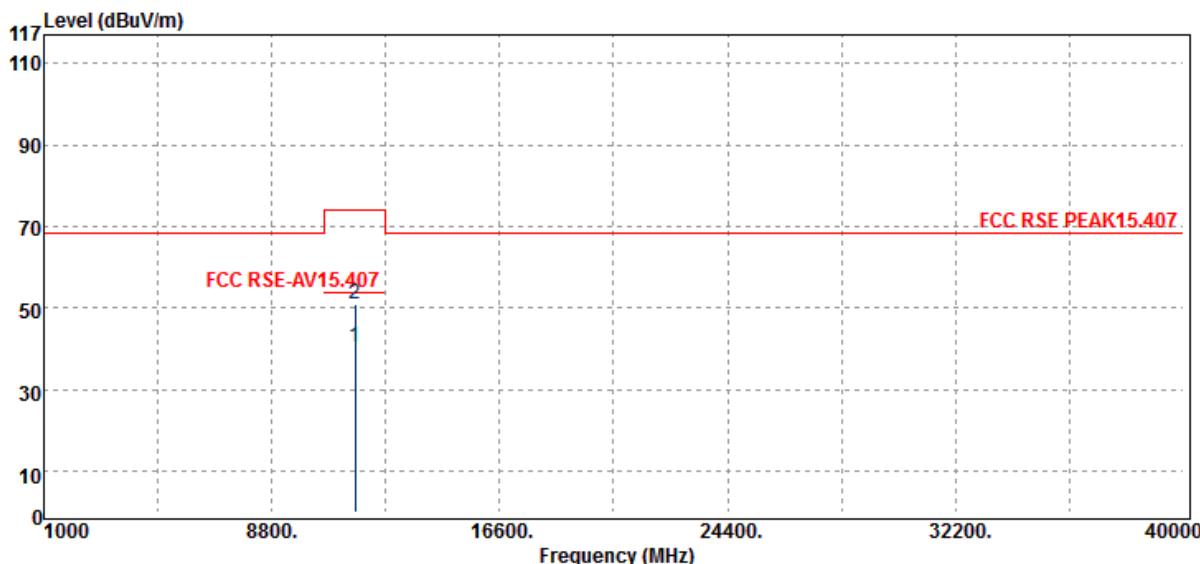
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Operation Band	:802.11n20B4	Test Date	:2017-03-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11650.00	H	Average	21.56	19.01	40.57	54.00	-13.43	
11650.00	H	Peak	31.97	19.01	50.98	74.00	-23.02	

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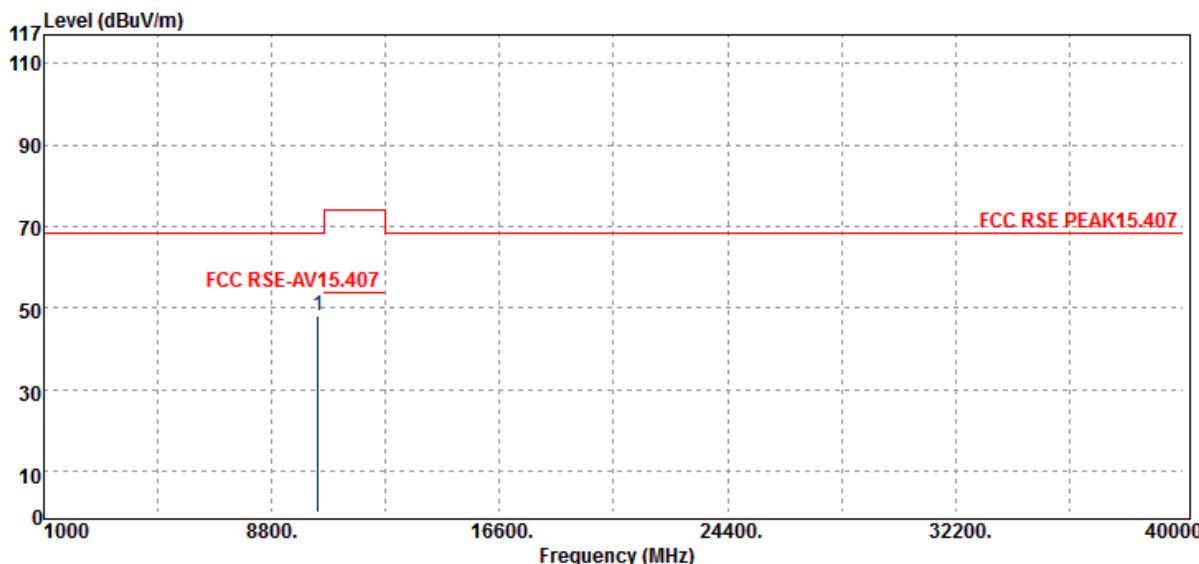
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802.11n HT40, 5150~5250 MHz

Operation Band	:802.11n40B1	Test Date	:2017-03-20
Fundamental Frequency	:5190 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10380.00	H	Peak	32.17	16.13	48.30	68.30	-20.00

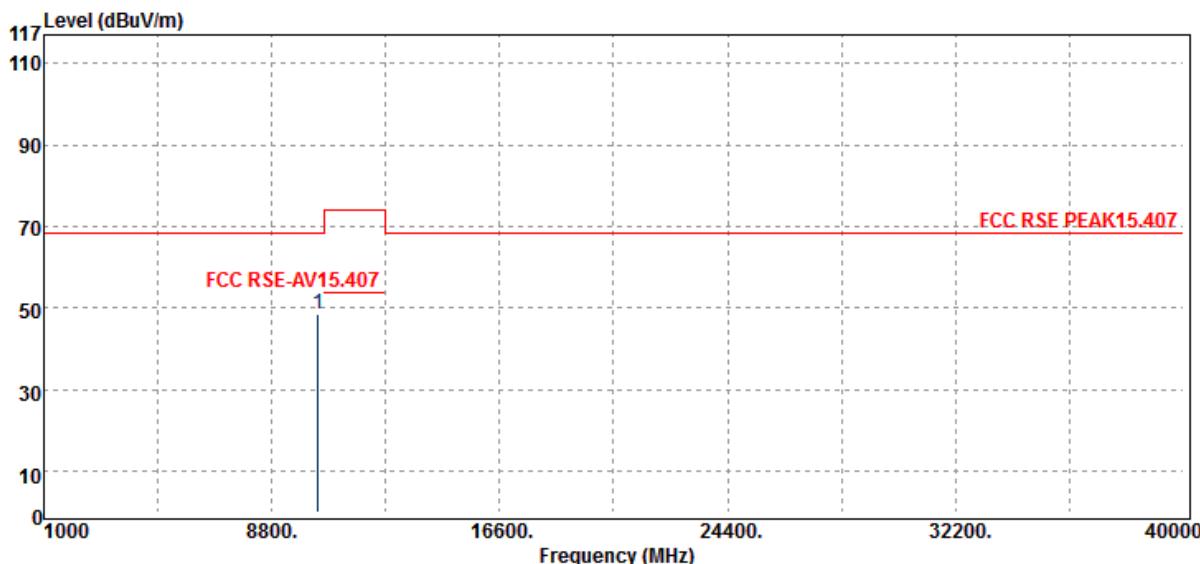
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Operation Band	:802.11n40B1	Test Date	:2017-03-20
Fundamental Frequency	:5190 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	
10380.00	H	Peak	32.64	16.13	48.77	68.30	-19.53

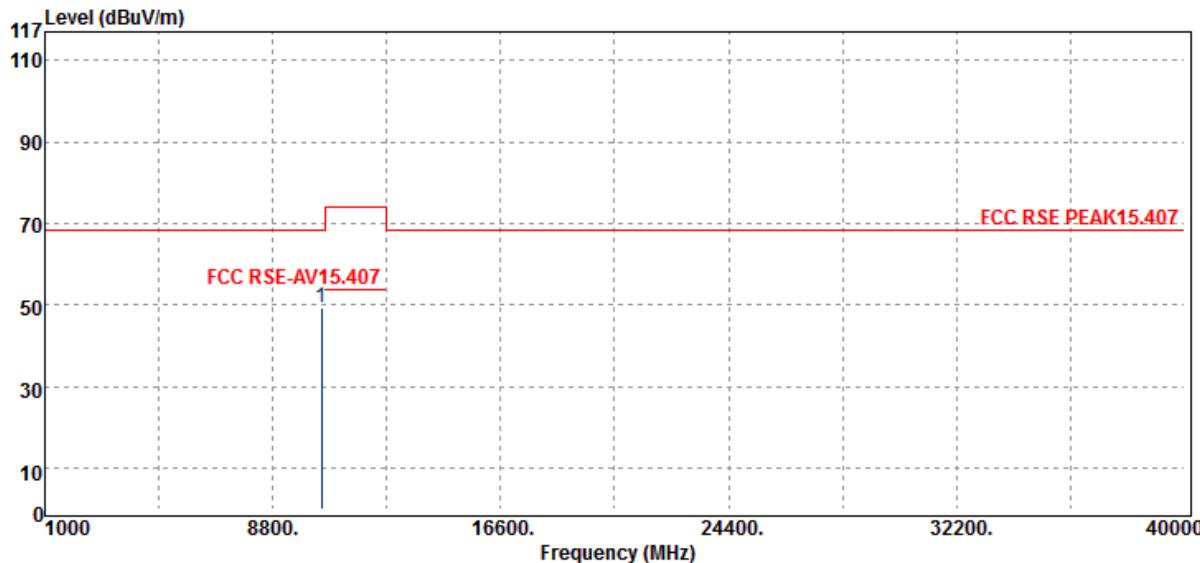
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Operation Band :802.11n40B1
 Fundamental Frequency :5230 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10460.00	H	Peak	33.01	16.42	49.43	68.30	-18.87

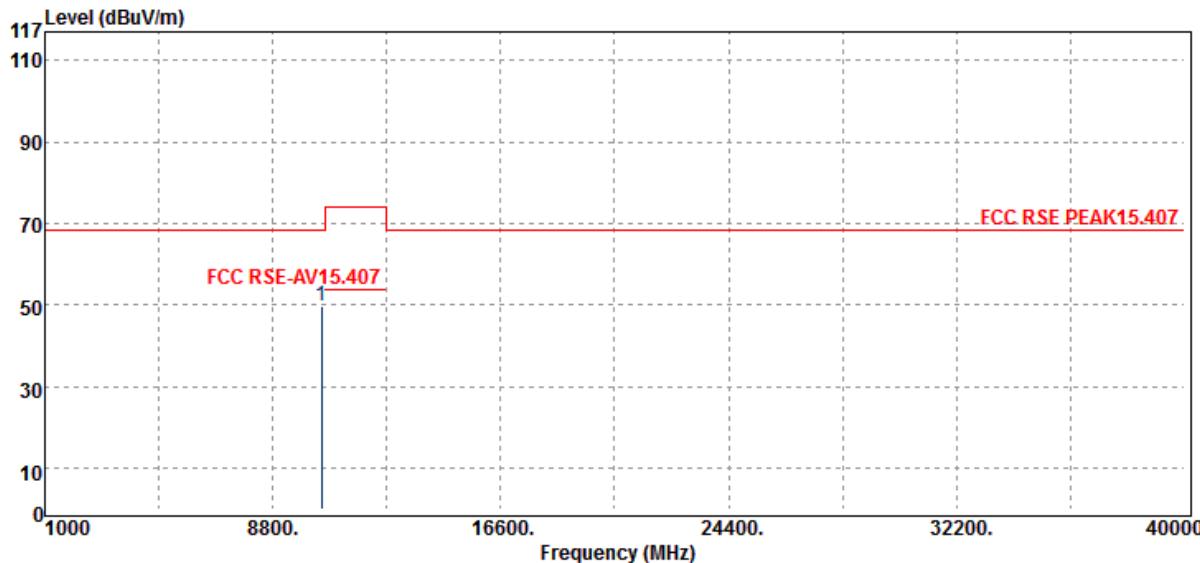
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Operation Band :802.11n40B1
 Fundamental Frequency :5230 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10460.00	H	Peak	33.19	16.42	49.61	68.30	-18.69

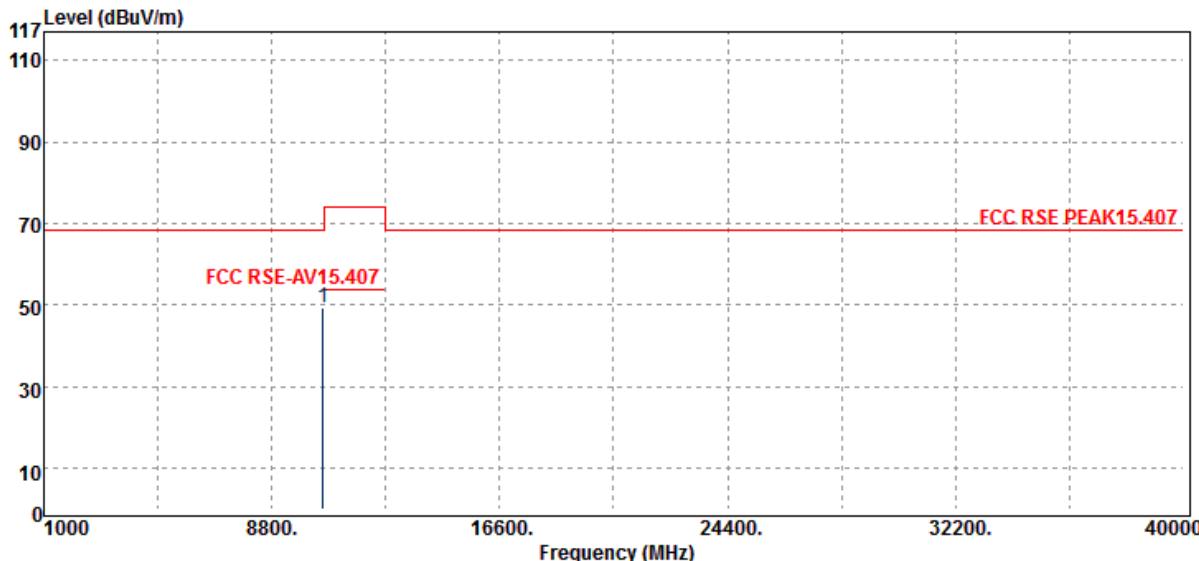
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802.11n HT40, 5250~5350 MHz

Operation Band	:802.11n40B2	Test Date	:2017-03-20
Fundamental Frequency	:5270 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10540.00	H	Peak	32.58	16.94	49.52	68.30	-18.78

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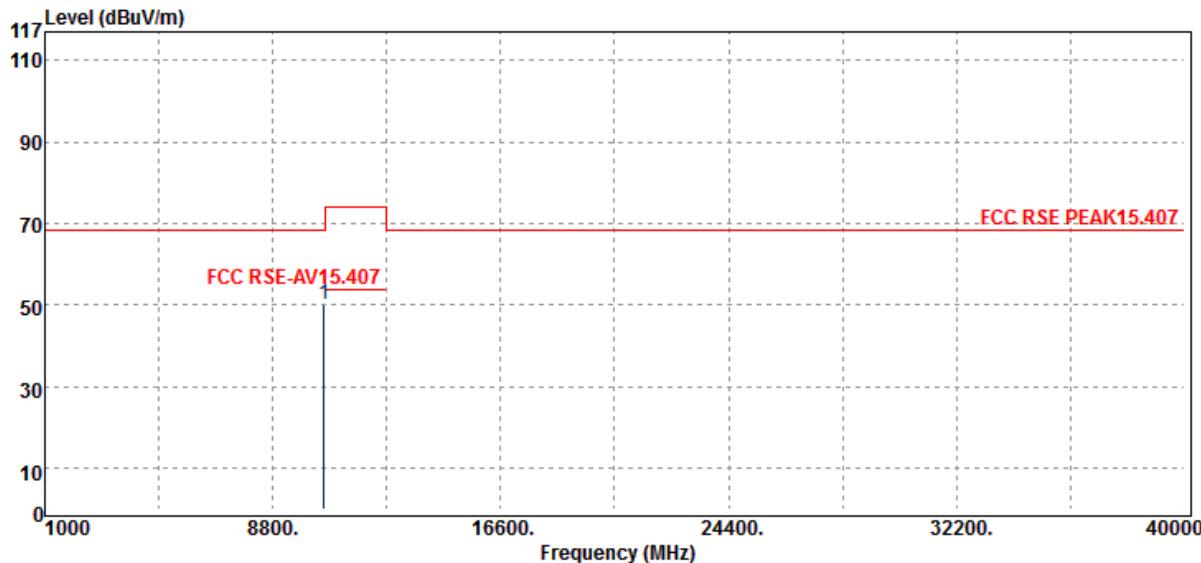
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Operation Band :802.11n40B2
 Fundamental Frequency :5270 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



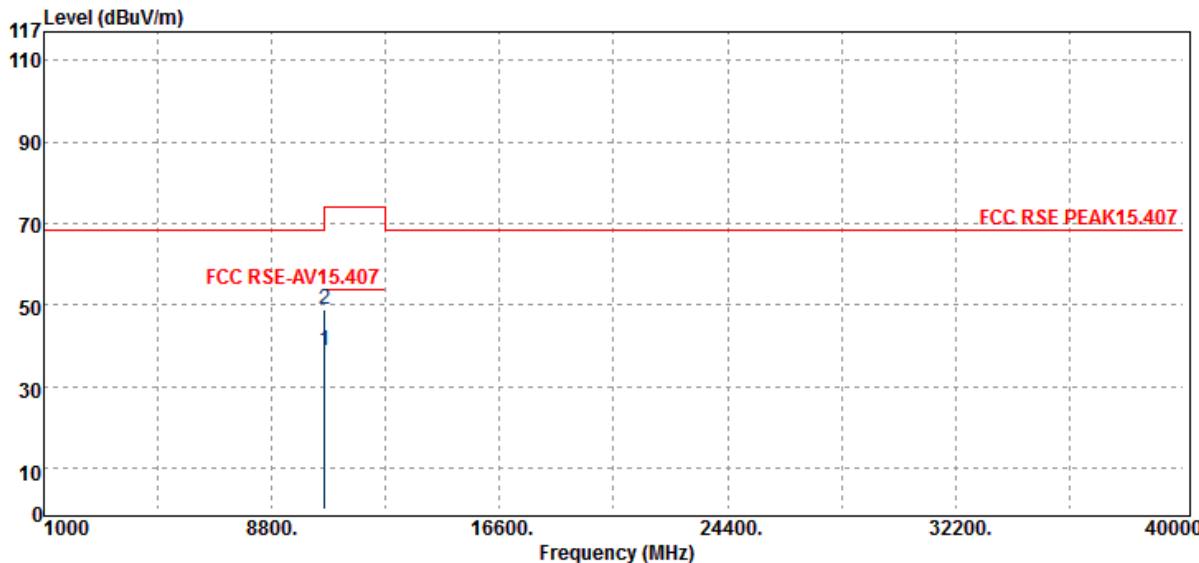
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
						Limit @3m dBuV/m	Safe Margin dB
10540.00	H	Peak	33.10	16.94	50.04	68.30	-18.26

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Operation Band	:802.11n40B2	Test Date	:2017-03-20
Fundamental Frequency	:5310 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB ^μ V	Limit @3m dB ^μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB ^μ V				
10620.00	H	Average		22.08	16.82	38.90	54.00	-15.10
10620.00	H	Peak		32.23	16.82	49.05	74.00	-24.95

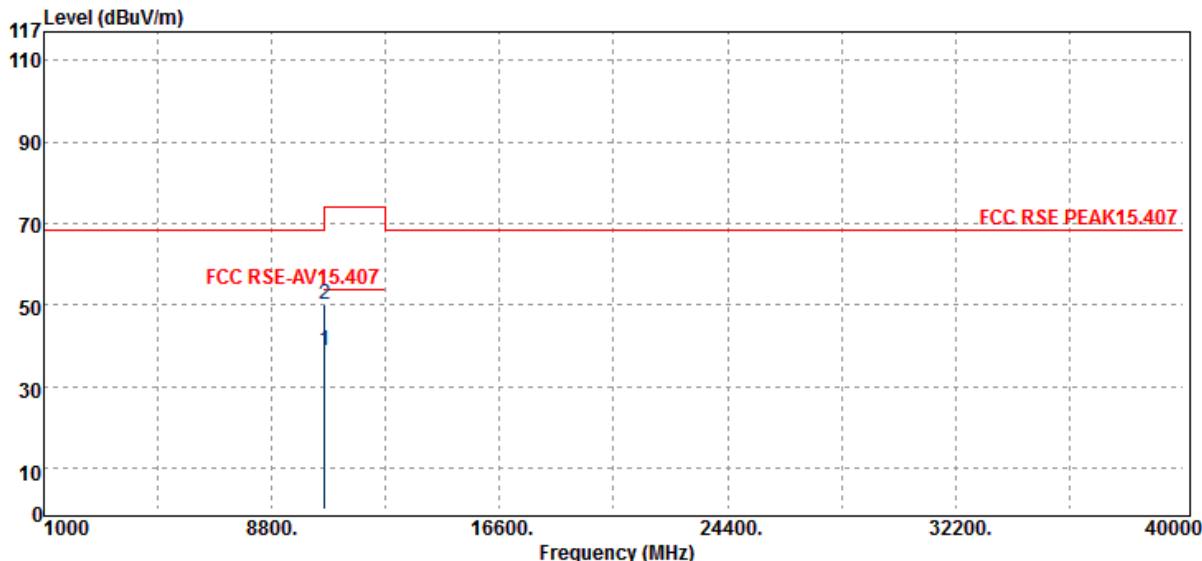
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Operation Band	:802.11n40B2	Test Date	:2017-03-20
Fundamental Frequency	:5310 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10620.00	H	Average	21.94	16.82	38.76	54.00	-15.24	
10620.00	H	Peak	33.55	16.82	50.37	74.00	-23.63	

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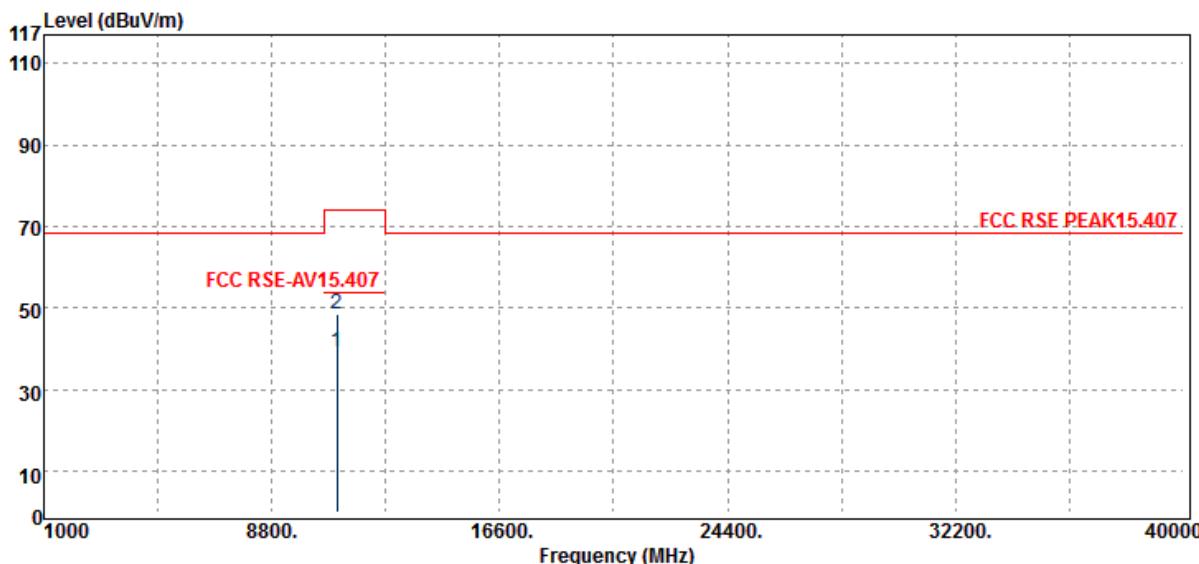
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802.11n HT40, 5470~5725 MHz

Operation Band	:802.11n40B3	Test Date	:2017-03-20
Fundamental Frequency	:5510 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11020.00	H	Average	21.78	21.78	17.61	39.39	54.00	-14.61
11020.00	H	Peak	31.07	31.07	17.61	48.68	74.00	-25.32

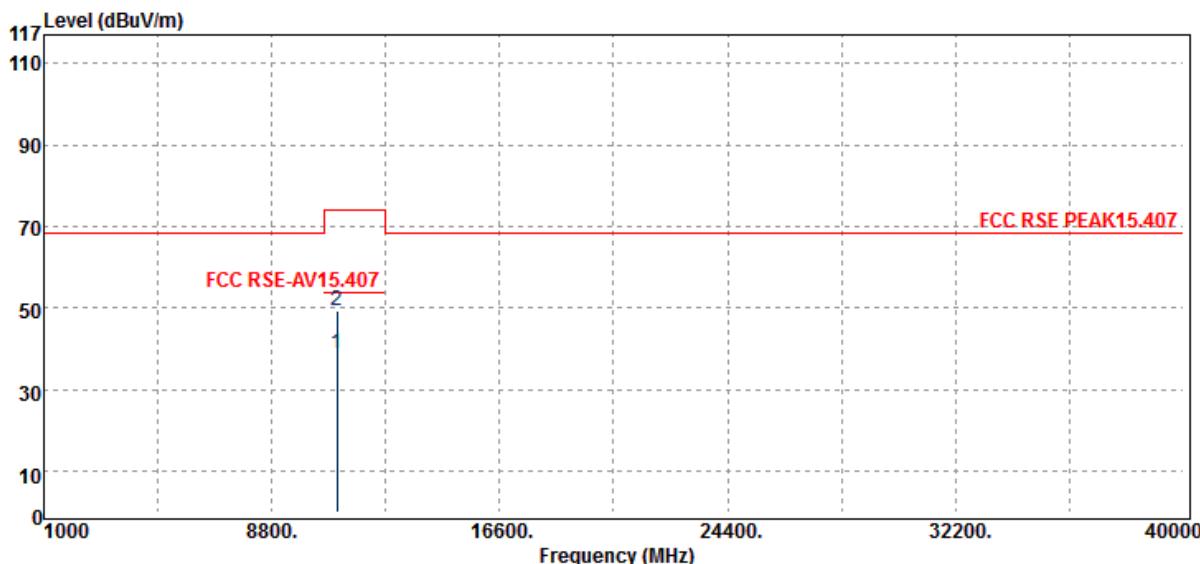
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Operation Band	:802.11n40B3	Test Date	:2017-03-20
Fundamental Frequency	:5510 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11020.00	H	Average	21.44	21.44	17.61	39.05	54.00	-14.95
11020.00	H	Peak	31.68	31.68	17.61	49.29	74.00	-24.71

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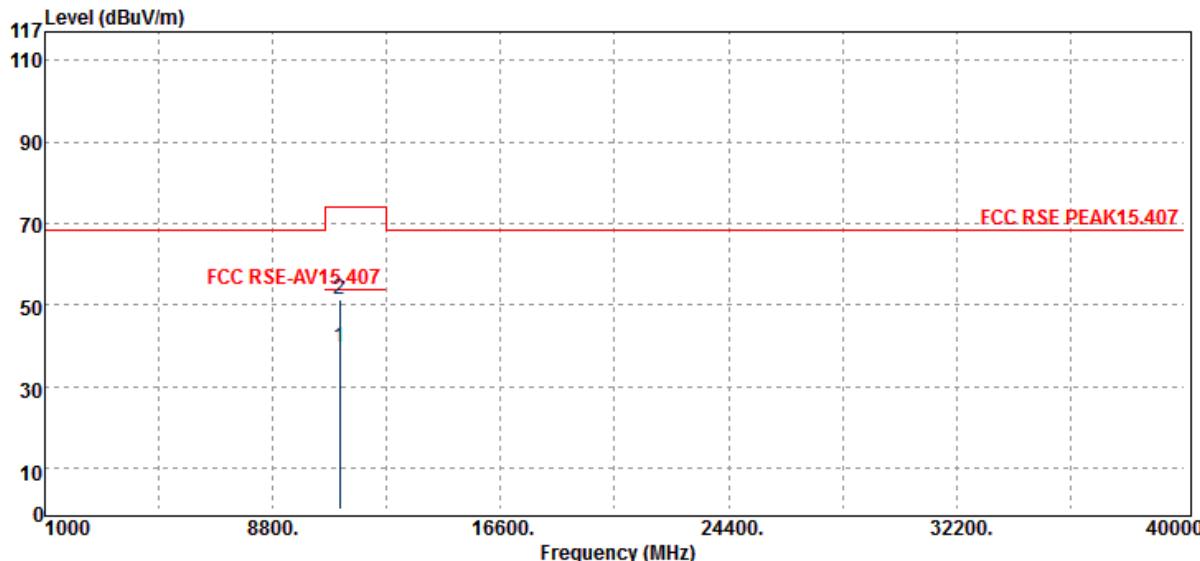
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Operation Band :802.11n40B3
 Fundamental Frequency :5550 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11100.00	H	Average		21.62	17.88	39.50	54.00	-14.50
11100.00	H	Peak		33.70	17.88	51.58	74.00	-22.42

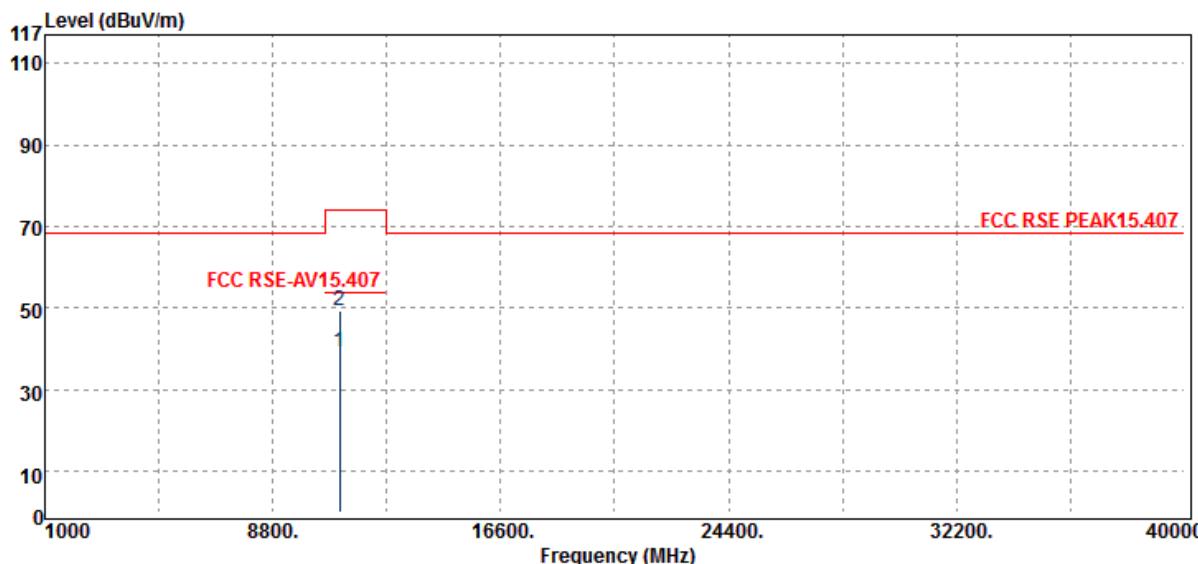
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Operation Band :802.11n40B3
 Fundamental Frequency :5550 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB ^μ V	Limit @3m dB ^μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB ^μ V				
11100.00	H	Average	21.47	17.88	39.35	54.00	-14.65	
11100.00	H	Peak	31.56	17.88	49.44	74.00	-24.56	

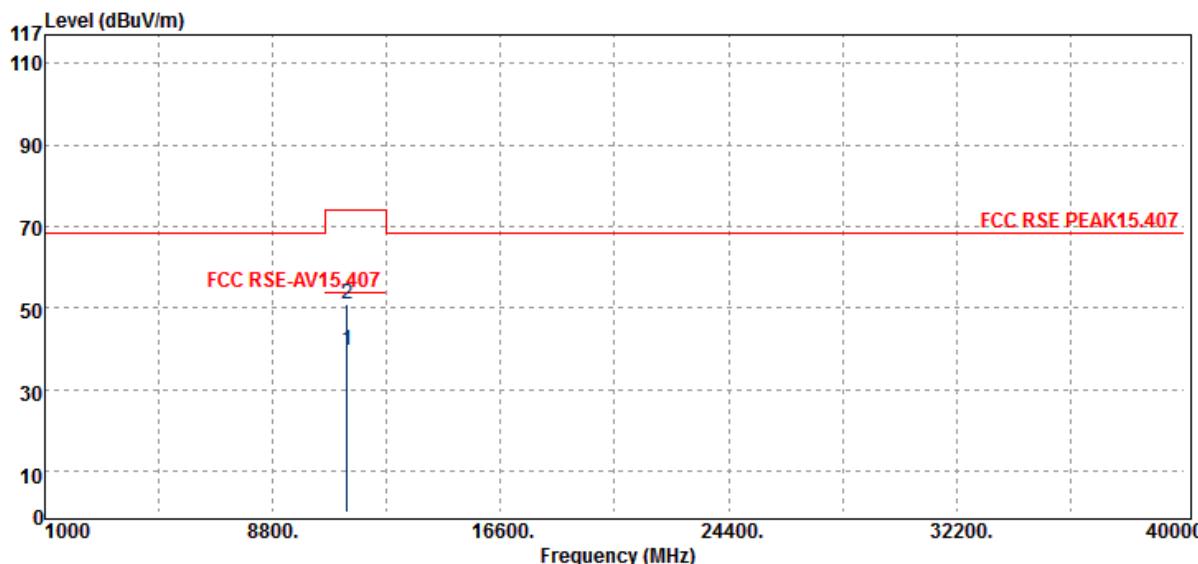
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Operation Band :802.11n40B3
 Fundamental Frequency :5670 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



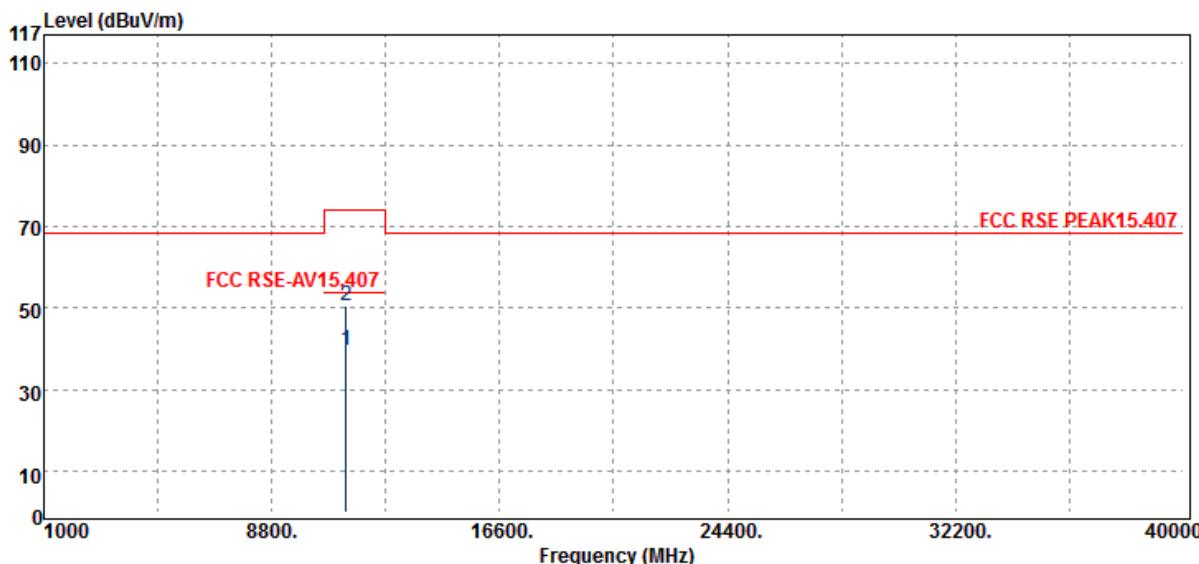
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11340.00	H	Average	21.41	18.29	39.70	54.00	-14.30	
11340.00	H	Peak	32.65	18.29	50.94	74.00	-23.06	

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Operation Band	:802.11n40B3	Test Date	:2017-03-20
Fundamental Frequency	:5670 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11340.00	H	Average	21.58	21.58	18.29	39.87	54.00	-14.13
11340.00	H	Peak	32.12	32.12	18.29	50.41	74.00	-23.59

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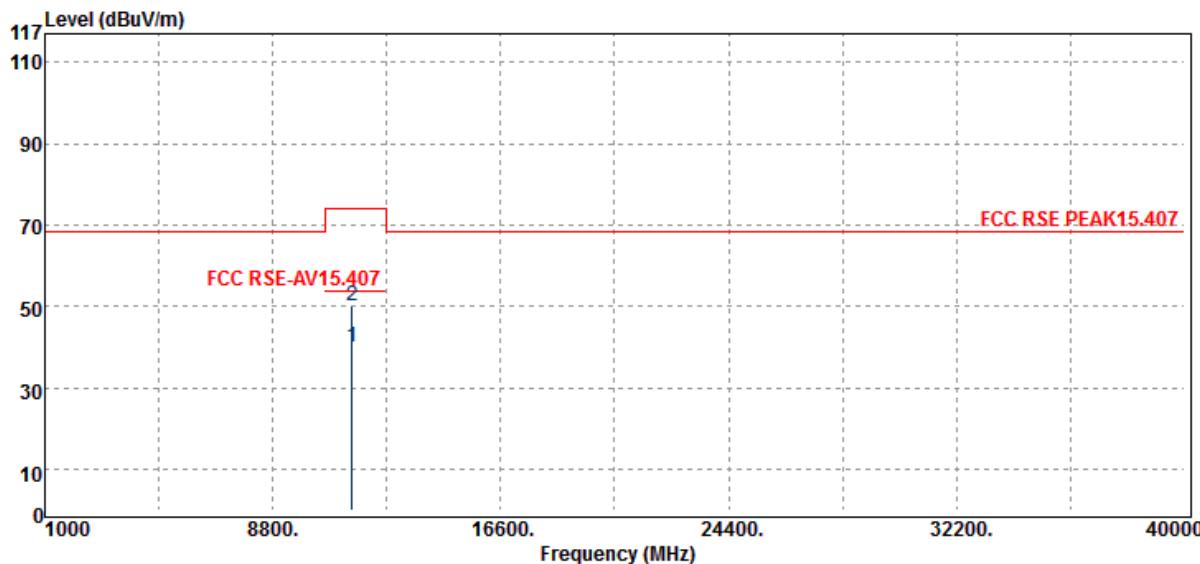
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802.11n HT40, 5725~5850 MHz

Operation Band	:802.11n40B4	Test Date	:2017-03-20
Fundamental Frequency	:5755 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11510.00	H	Average	21.62	21.62	18.55	40.17	54.00	-13.83
11510.00	H	Peak	31.85	31.85	18.55	50.40	74.00	-23.60

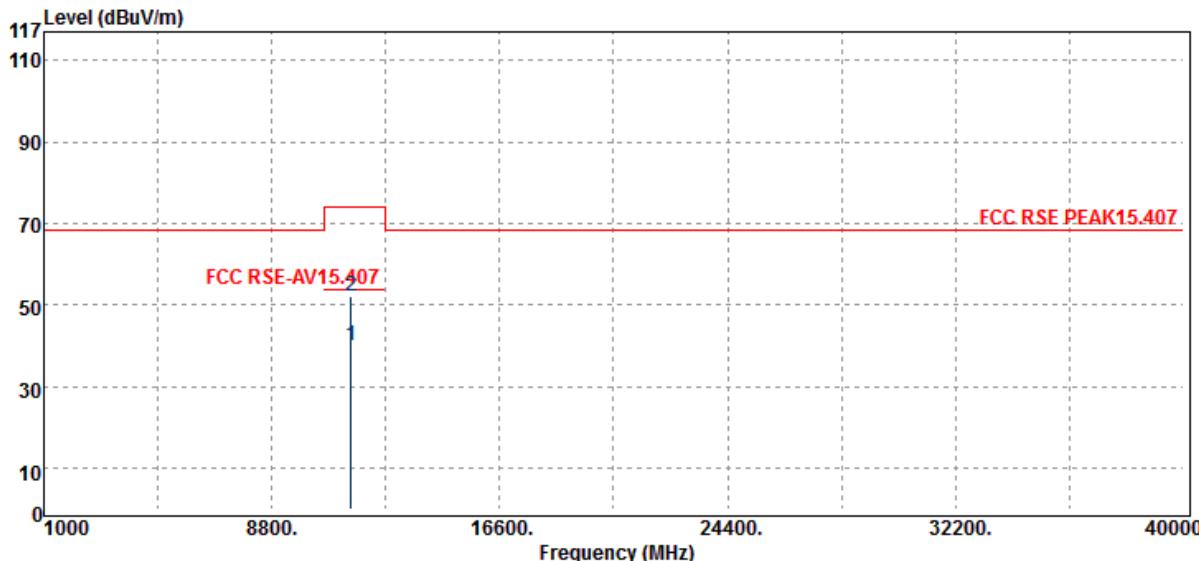
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Operation Band	:802.11n40B4	Test Date	:2017-03-20
Fundamental Frequency	:5755 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11510.00	H	Average	21.48	18.55	40.03	54.00	-13.97	
11510.00	H	Peak	33.72	18.55	52.27	74.00	-21.73	

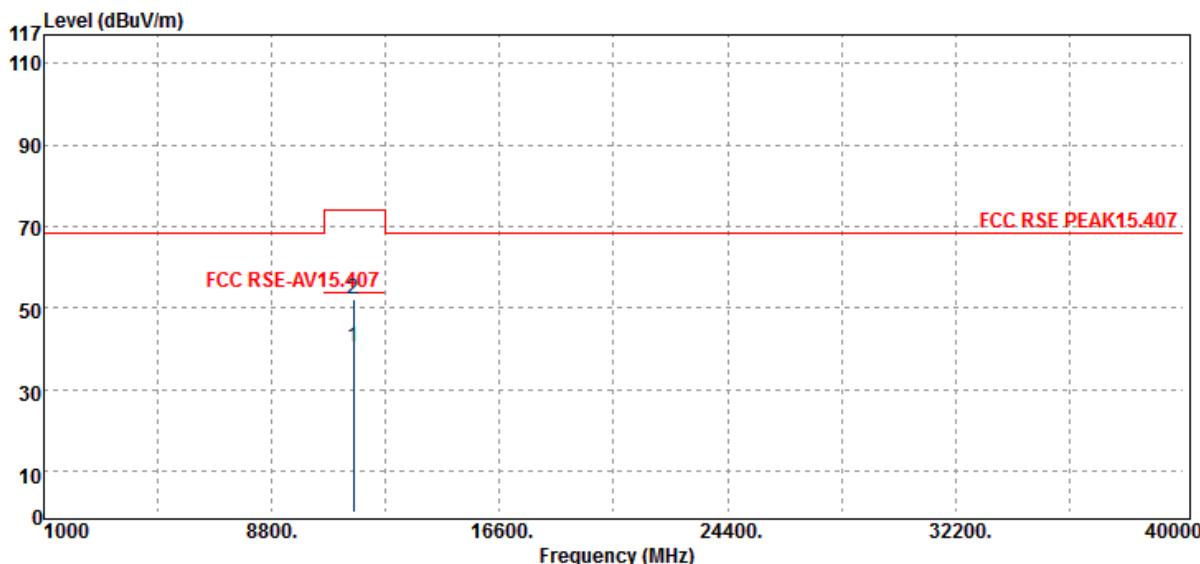
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Operation Band	:802.11n40B4	Test Date	:2017-03-20
Fundamental Frequency	:5795 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11590.00	H	Average	21.47	18.84	40.31	54.00	-13.69	
11590.00	H	Peak	33.20	18.84	52.04	74.00	-21.96	

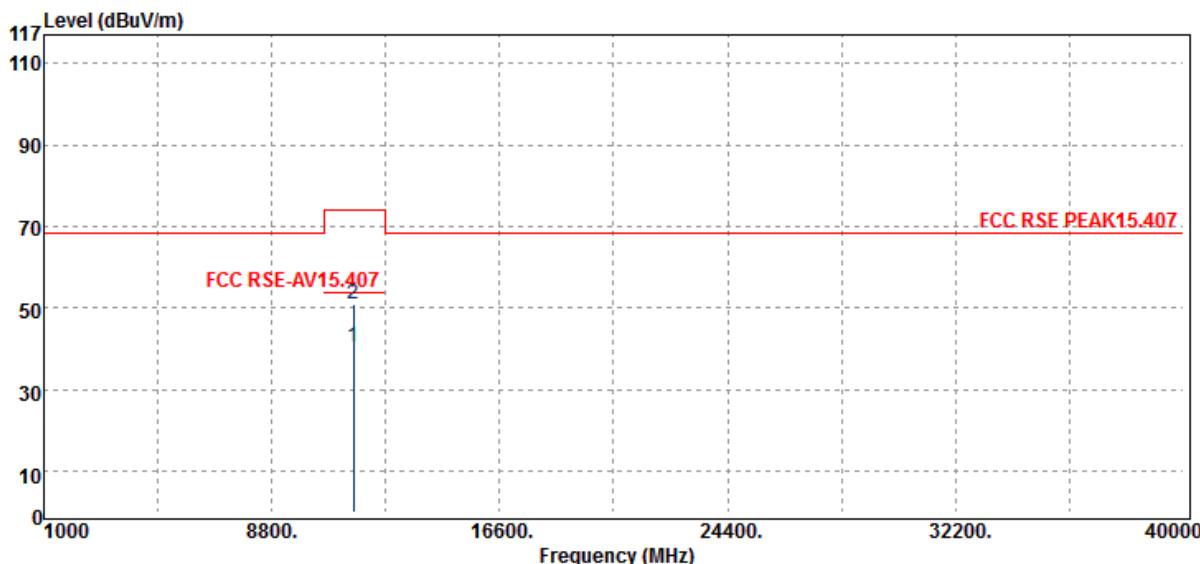
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Operation Band	:802.11n40B4	Test Date	:2017-03-20
Fundamental Frequency	:5795 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11590.00	H	Average	21.66	18.84	40.50	54.00	-13.50	
11590.00	H	Peak	32.07	18.84	50.91	74.00	-23.09	

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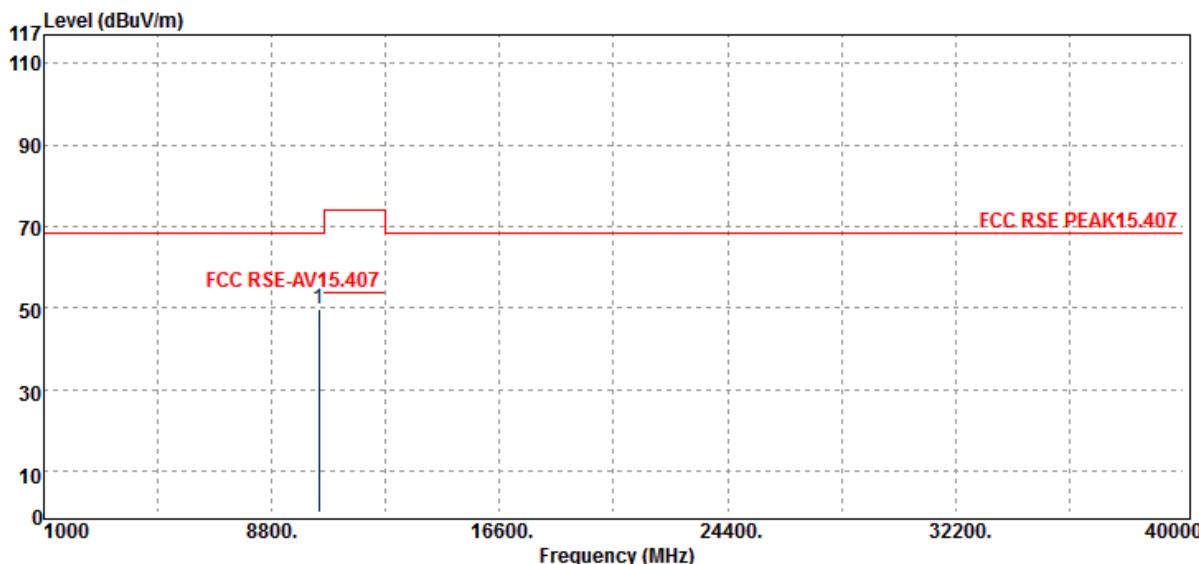
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802.11ac VHT80, 5150~5250 MHz

Operation Band :802.11ac80B1
 Fundamental Frequency :5210 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10420.00	H	Peak	33.33	16.65	49.98	68.30	-18.32

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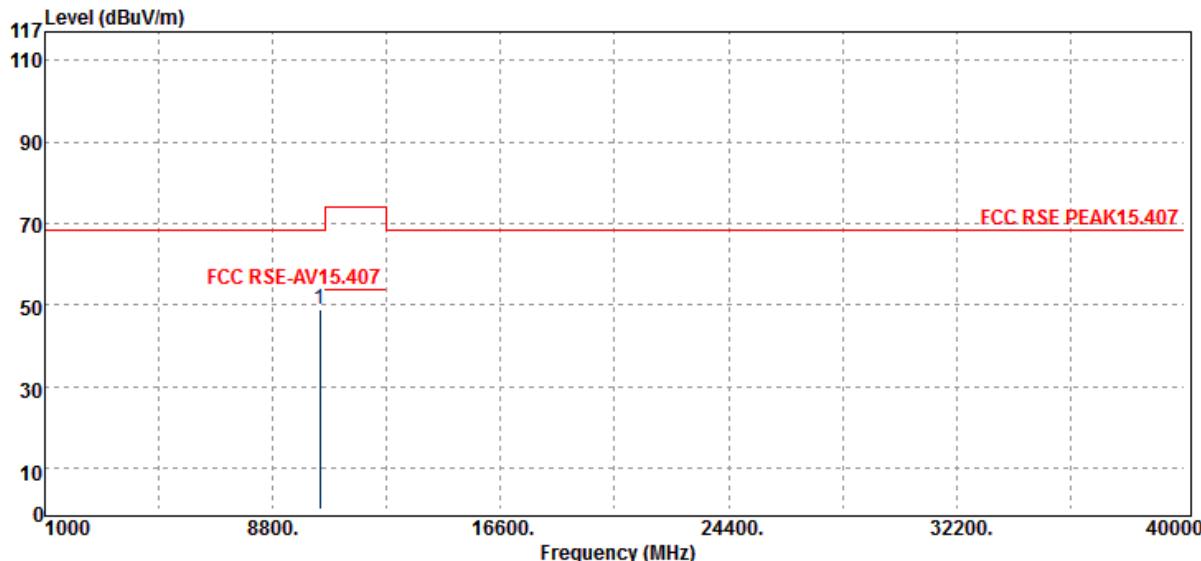
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Operation Band :802.11ac80B1
Fundamental Frequency :5210 MHz
Operation Mode :Tx CH LOW
EUT Pol. :H Plane

Test Date :2017-03-20
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Actual FS dB μ V/m	Limit @3m dB μ V/m
10420.00	H	Peak	32.18	16.65	48.83	68.30	-19.47

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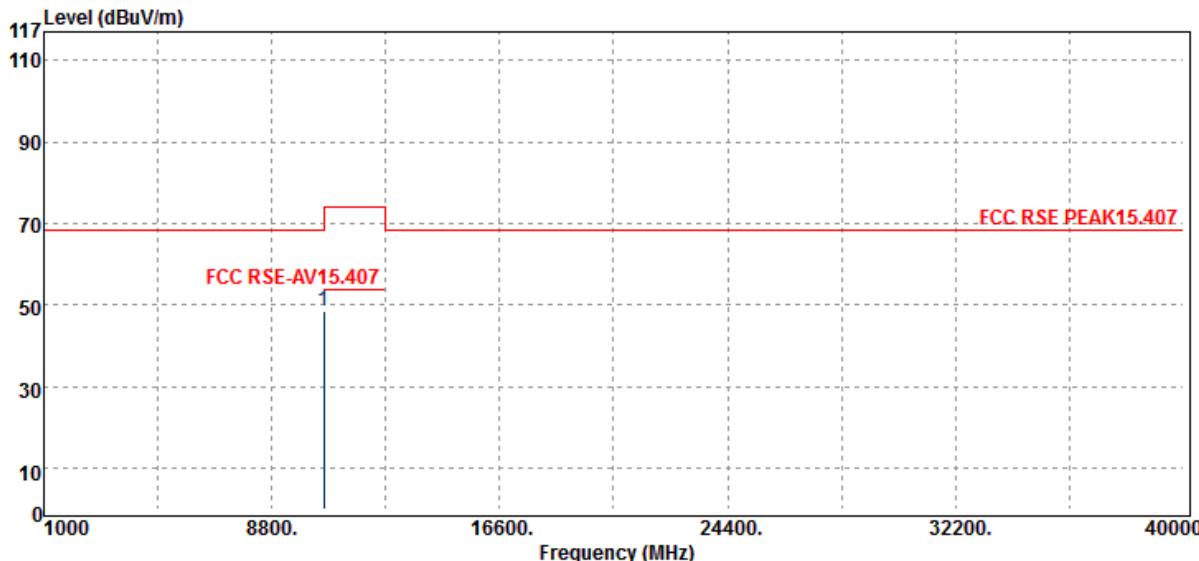
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802.11ac VHT80, 5250~5350 MHz

Operation Band :802.11ac80B2
 Fundamental Frequency :5290 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10580.00	H	Peak	32.01	16.63	48.64	68.30	-19.66

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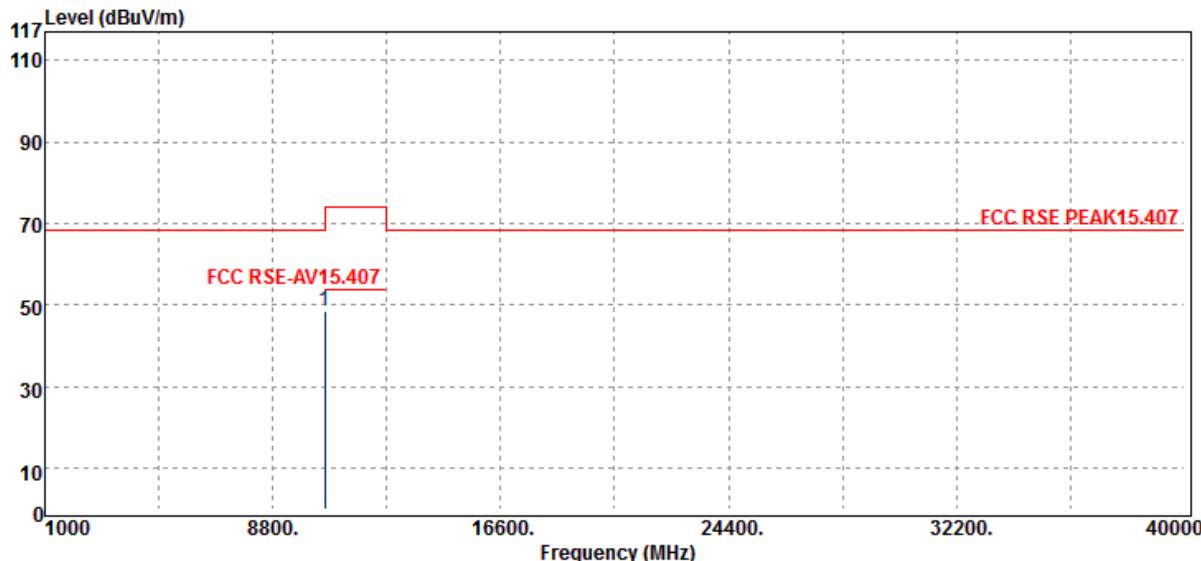
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Operation Band :802.11ac80B2
Fundamental Frequency :5290 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :H Plane

Test Date :2017-03-20
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10580.00	H	Peak	31.81	16.63	48.44	68.30	-19.86

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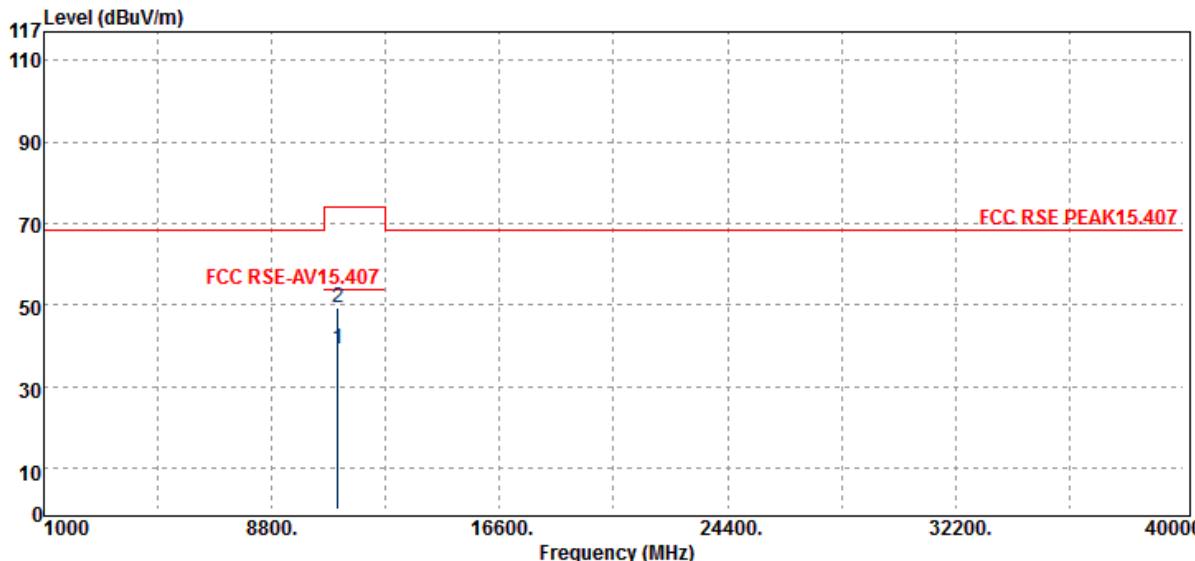
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802.11ac VHT80, 5470~5725 MHz

Operation Band :802.11ac80B3
 Fundamental Frequency :5530 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



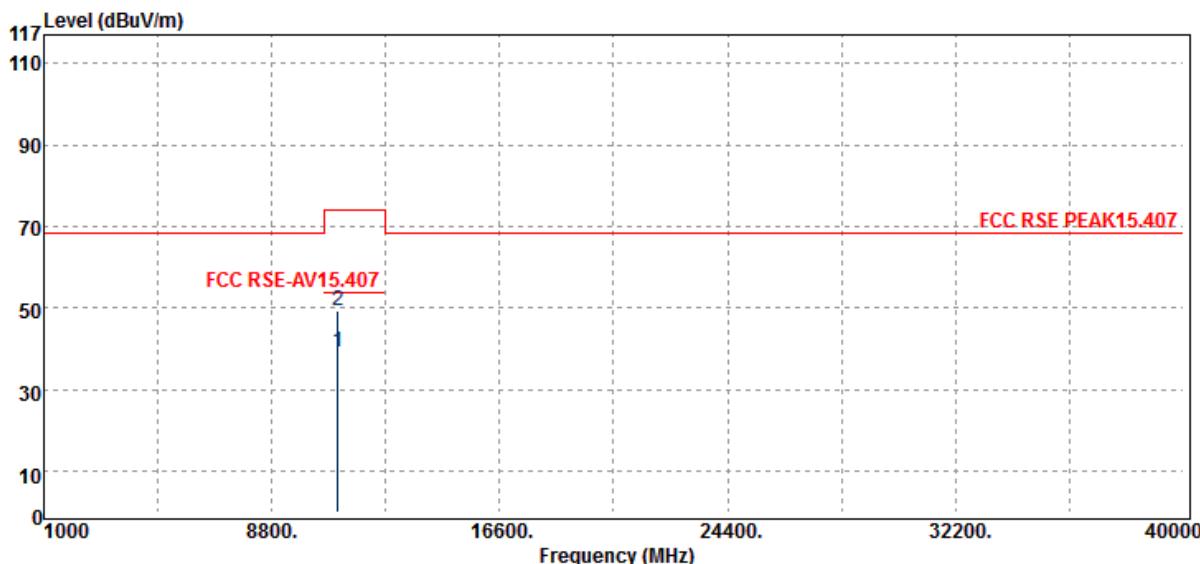
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB ^μ V	Limit @3m dB ^μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB ^μ V				
11060.00	H	Average	21.43	21.43	17.78	39.21	54.00	-14.79
11060.00	H	Peak	31.47	31.47	17.78	49.25	74.00	-24.75

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Operation Band	:802.11ac80B3	Test Date	:2017-03-20
Fundamental Frequency	:5530 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11060.00	H	Average	21.38	21.38	17.78	39.16	54.00	-14.84
11060.00	H	Peak	31.57	31.57	17.78	49.35	74.00	-24.65

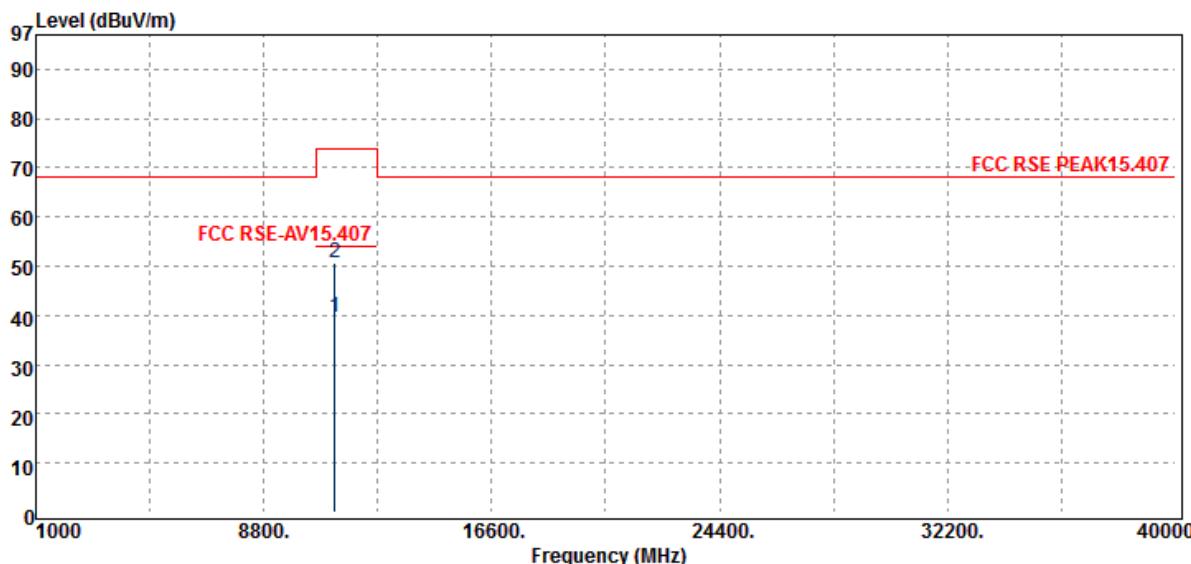
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Operation Band	:802.11ac80B3	Test Date	:2017-03-20
Fundamental Frequency	:5610 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11220.00	H	Average	21.30	18.21	39.51	54.00	-14.49	
11220.00	H	Peak	32.50	18.21	50.71	74.00	-23.29	

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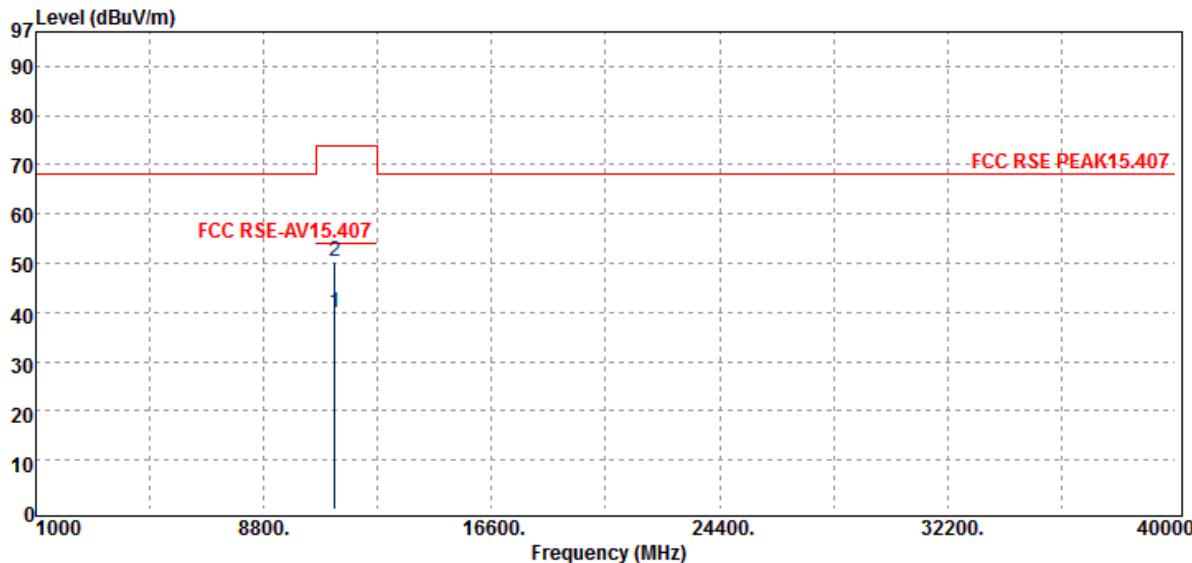
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Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11220.00	H	Average	21.58	18.21	39.79	54.00	-14.21	
11220.00	H	Peak	32.06	18.21	50.27	74.00	-23.73	

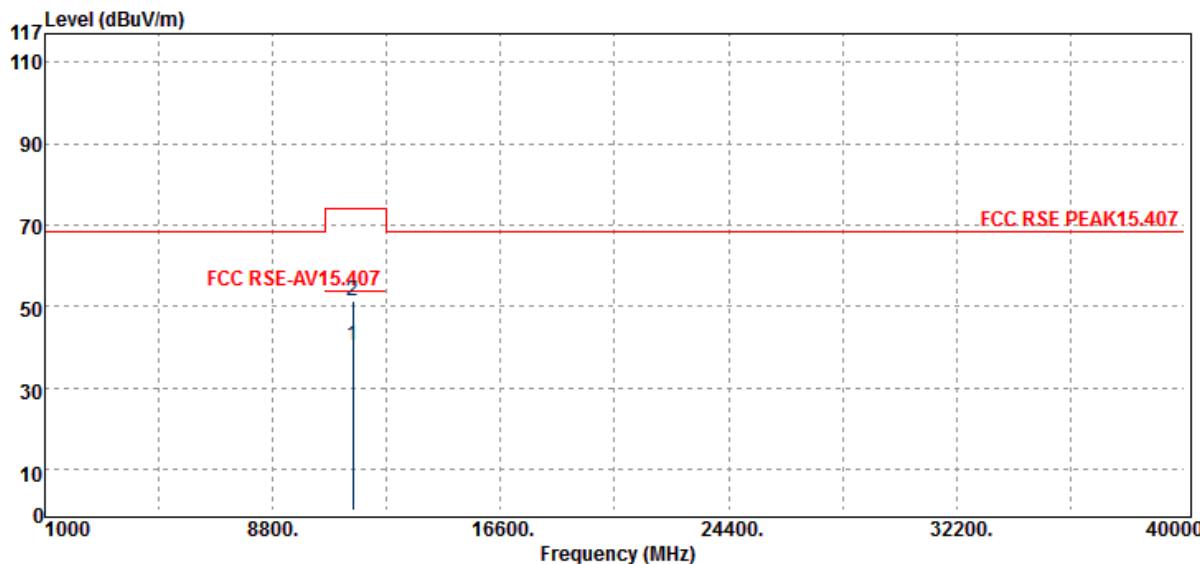
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802.11ac VHT80, 5725~5850 MHz

Operation Band	:802.11ac80B4	Test Date	:2017-03-20
Fundamental Frequency	:5775 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dBuV/m	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11550.00	H	Average		21.50	18.80	40.30	54.00	-13.70
11550.00	H	Peak		32.70	18.80	51.50	74.00	-22.50

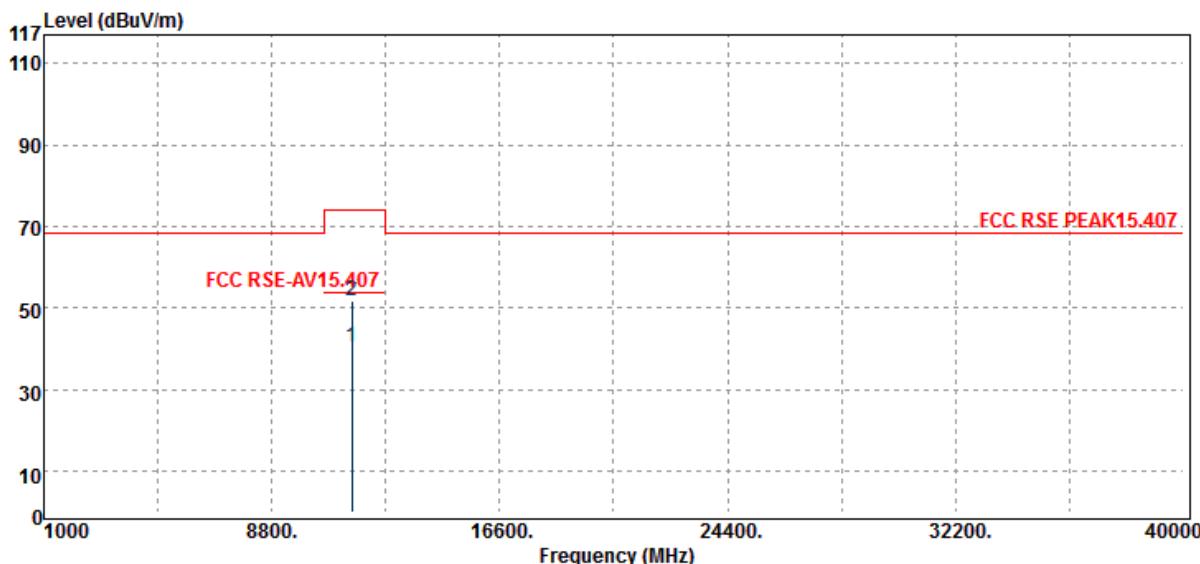
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Operation Band	:802.11ac80B4	Test Date	:2017-03-20
Fundamental Frequency	:5775 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11550.00	H	Average	21.88	18.80	40.68	54.00	-13.32	
11550.00	H	Peak	33.09	18.80	51.89	74.00	-22.11	

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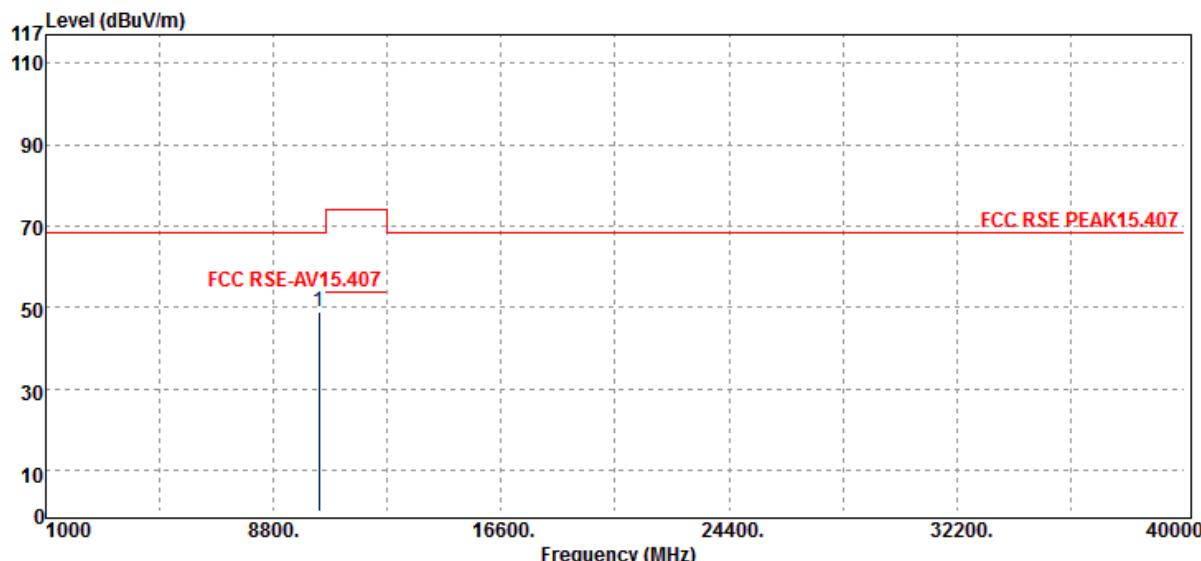
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*PCB Antenna

802.11a, 5150~5250 MHz

Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5180 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



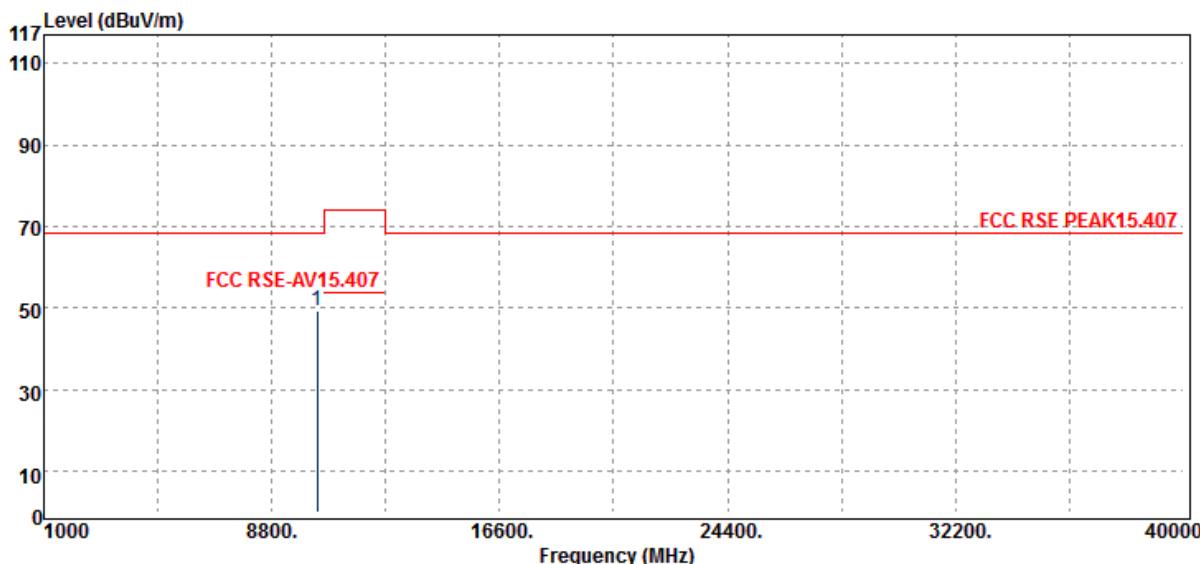
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	dB
10360.00	H	Peak	32.48	16.33	48.81	68.30	-19.49

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Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5180 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						Factor dB	Actual FS dB μ V/m
10360.00	H	Peak	33.03	16.33	49.36	68.30	-18.94

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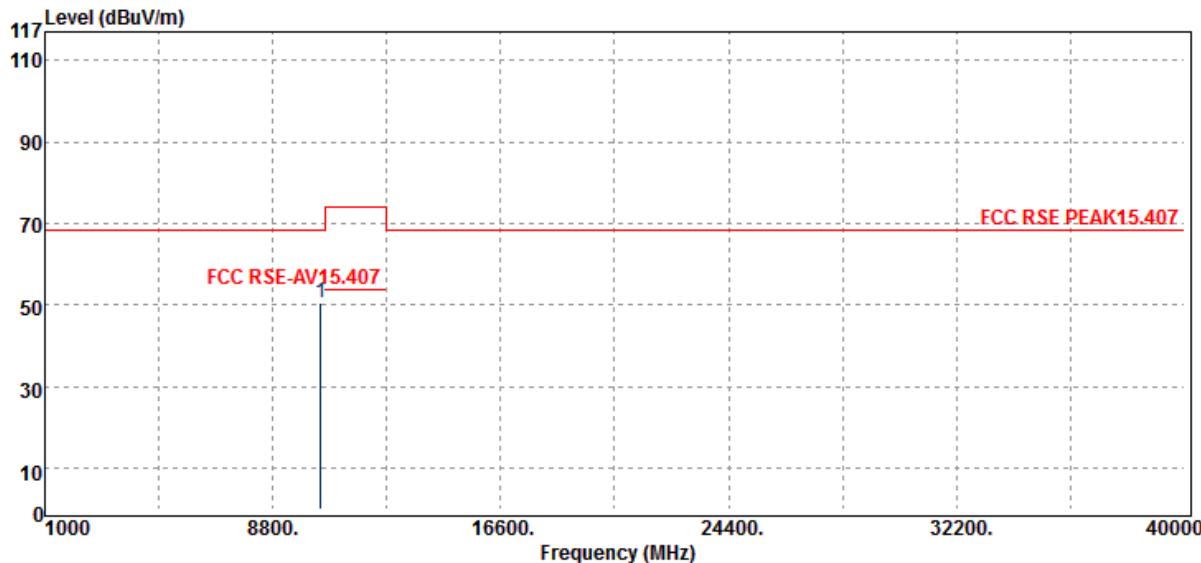
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Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



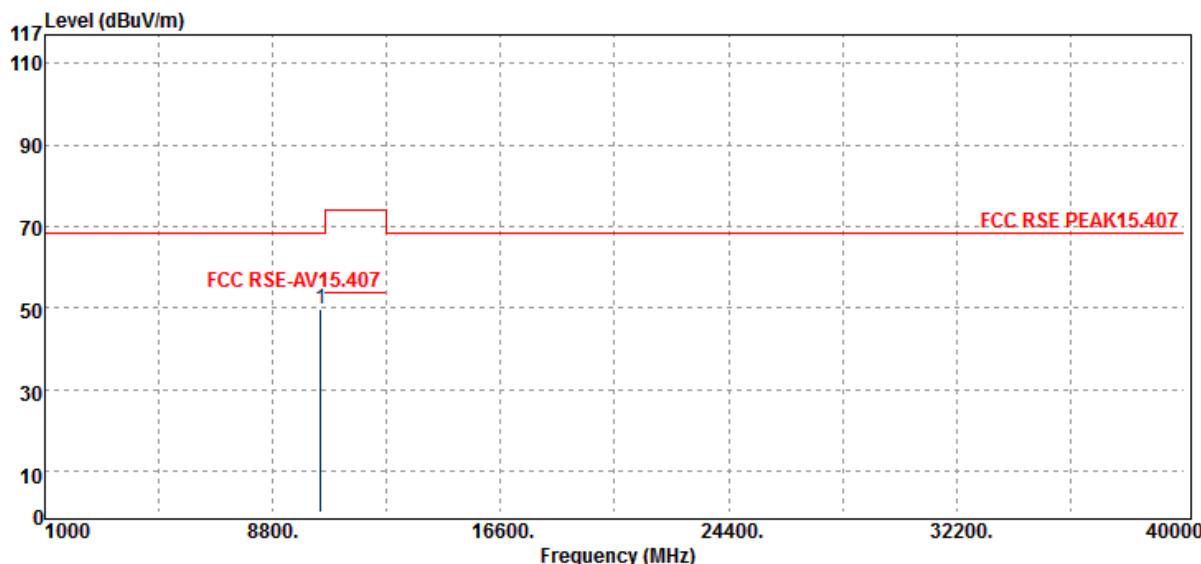
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10440.00	H	Peak		34.03	16.60	50.63	68.30	-17.67

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Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



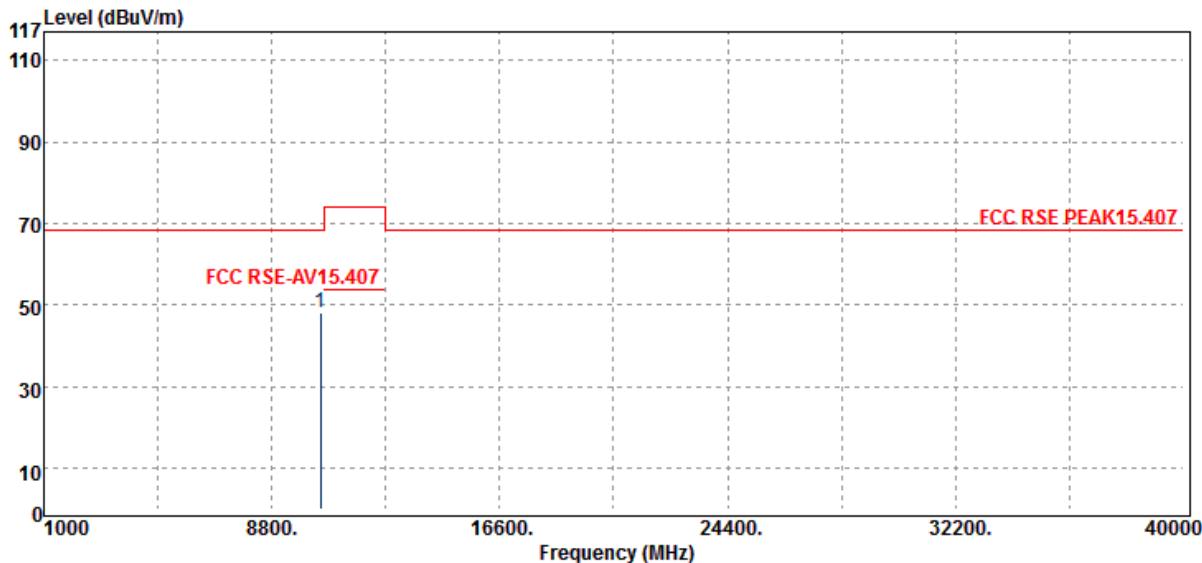
Freq. MHz	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Safe
						dBuV/m	dBuV/m
MHz	F/H/E/S	PK/QP/AV	dB μ V	dB	dBuV/m	dBuV/m	Margin
10440.00	H	Peak	33.18	16.60	49.78	68.30	-18.52

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Operation Band	:802.11aB1	Test Date	:2017-03-20
Fundamental Frequency	:5240 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10480.00	H	Peak		32.12	16.14	48.26	68.30	-20.04

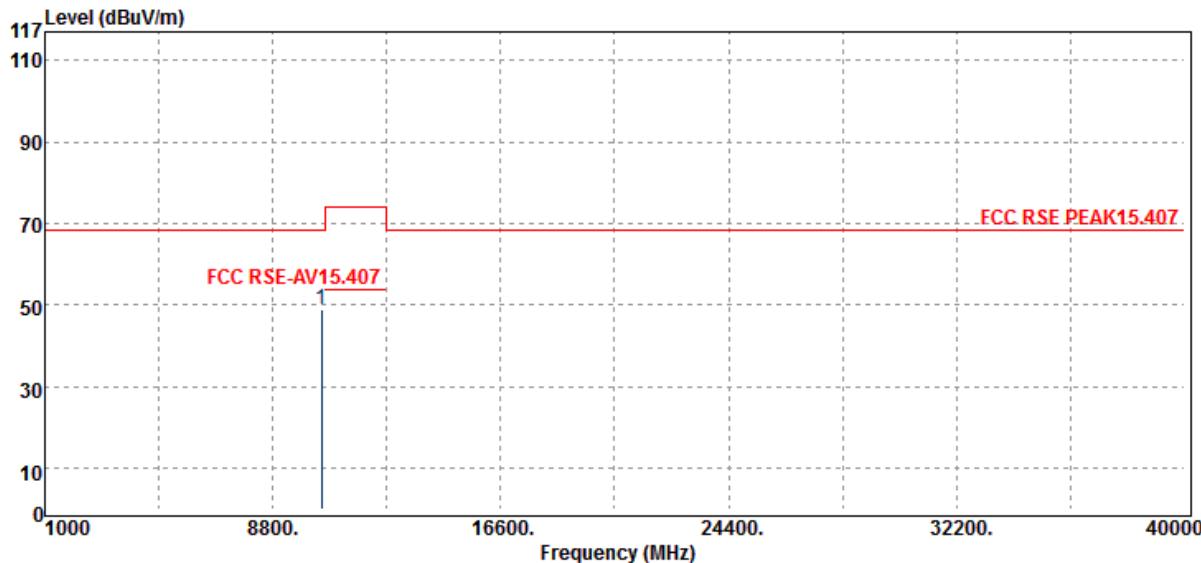
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Operation Band :802.11aB1
 Fundamental Frequency :5240 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
						dB μ V/m	
10480.00	H	Peak	32.75	16.14	48.89	68.30	-19.41

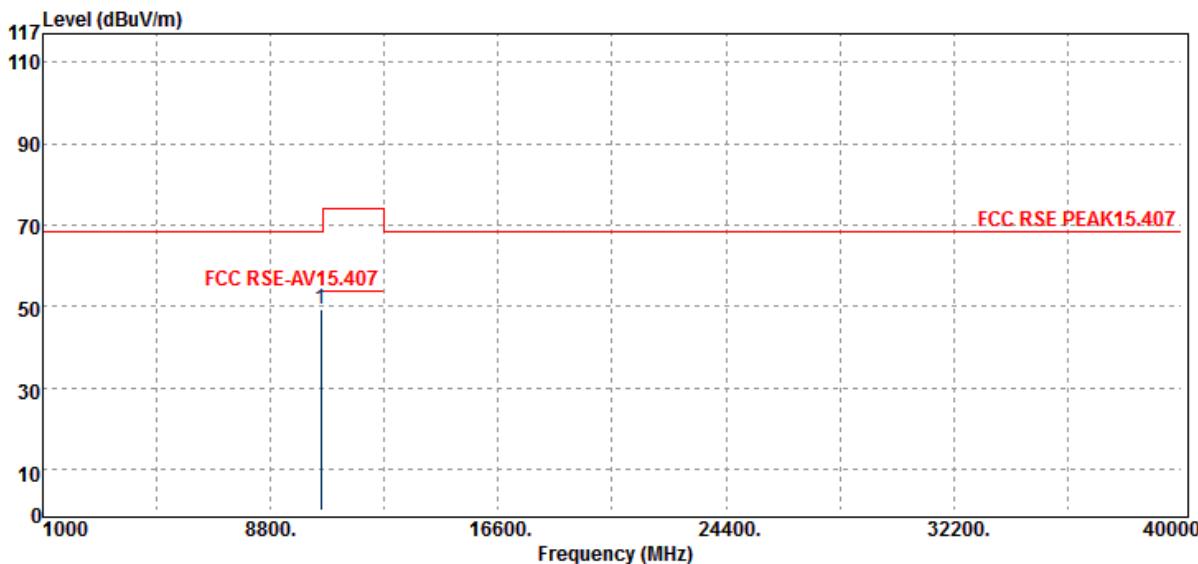
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802.11a, 5250MHz-5350MHz

Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	dBuV/m	@3m	Margin
		PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
10520.00	H	Peak	32.42	17.17	49.59	68.30	-18.71

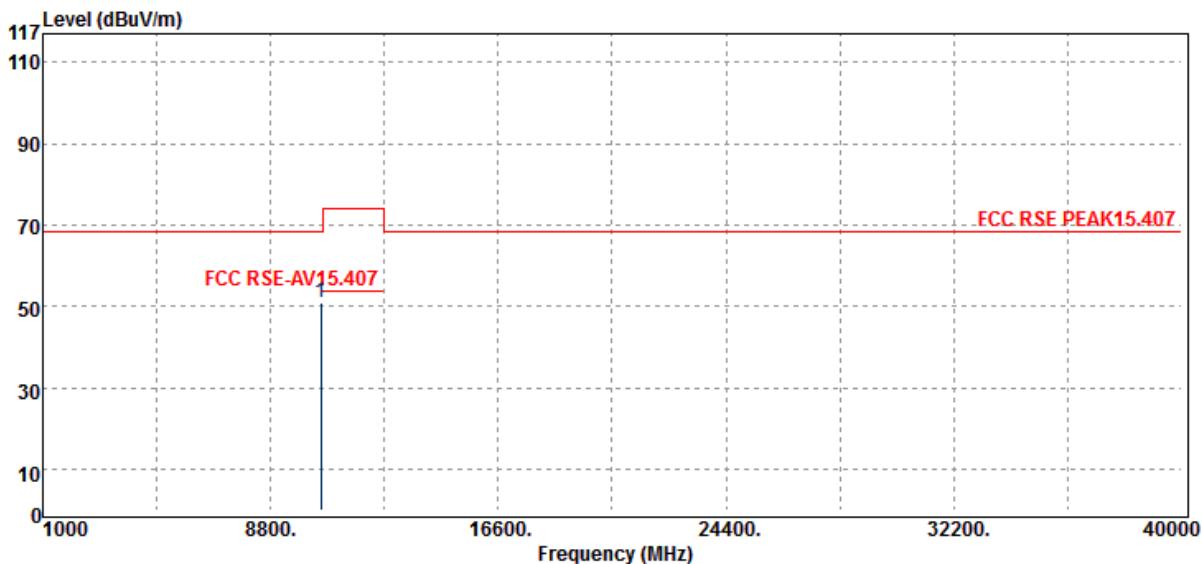
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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



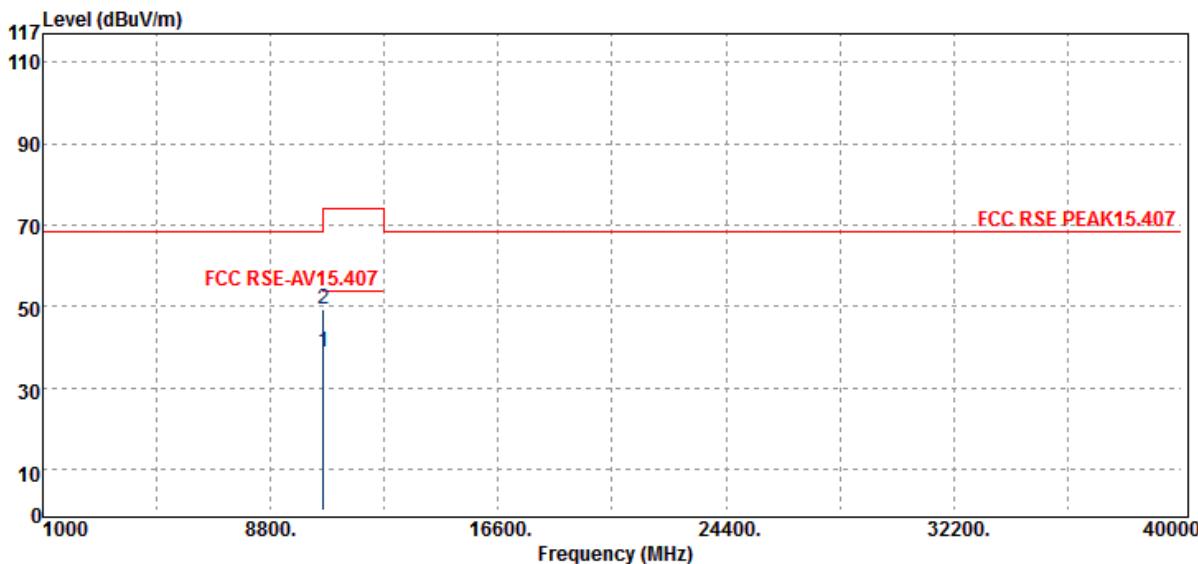
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	dBuV/m	@3m	Margin
10520.00	H	Peak	33.97	17.17	51.14	68.30	-17.16

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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



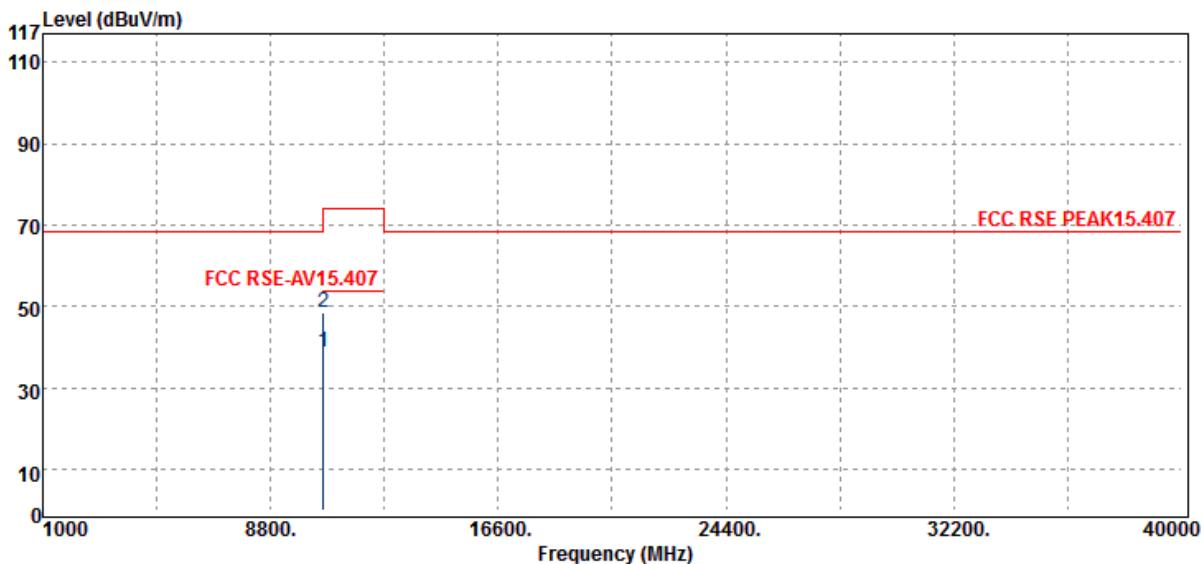
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average		22.10	16.64	38.74	54.00	-15.26
10600.00	H	Peak		32.60	16.64	49.24	74.00	-24.76

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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



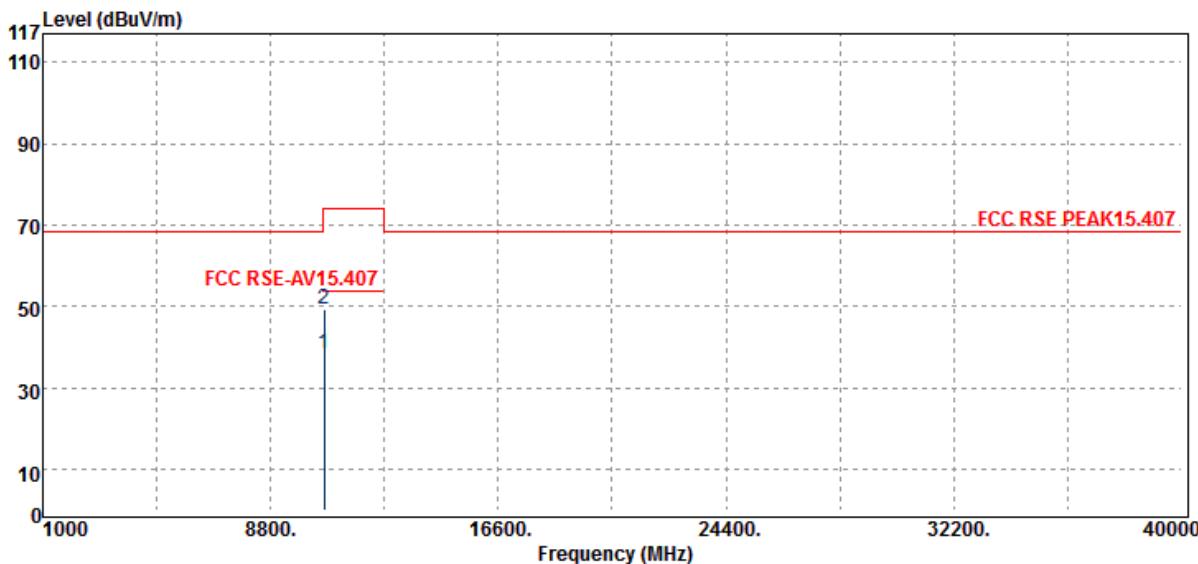
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average		22.04	16.64	38.68	54.00	-15.32
10600.00	H	Peak		31.92	16.64	48.56	74.00	-25.44

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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



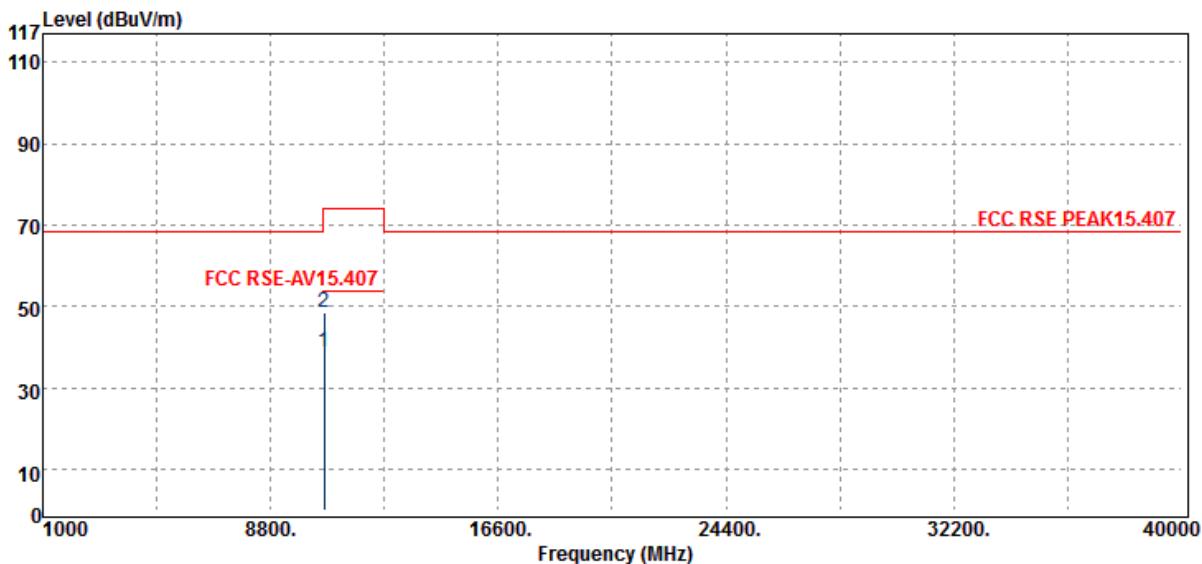
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average		21.66	16.89	38.55	54.00	-15.45
10640.00	H	Peak		32.67	16.89	49.56	74.00	-24.44

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Operation Band	:802.11aB2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average		21.87	16.89	38.76	54.00	-15.24
10640.00	H	Peak		31.61	16.89	48.50	74.00	-25.50

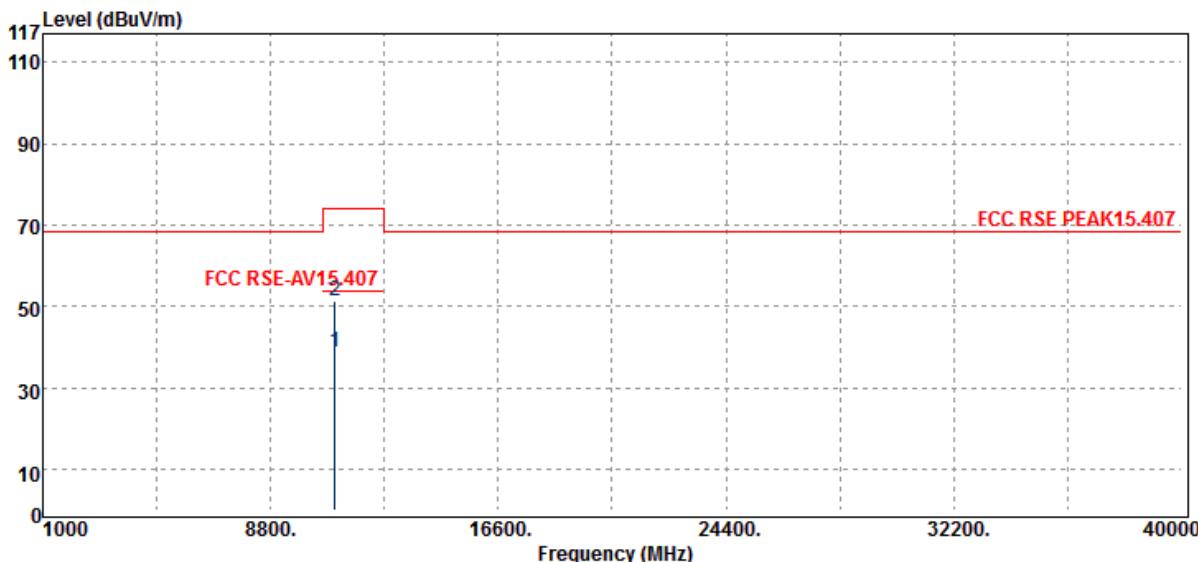
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802.11a, 5470~5725 MHz

Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.36	17.58	38.94	54.00	-15.06	
11000.00	H	Peak	33.92	17.58	51.50	74.00	-22.50	

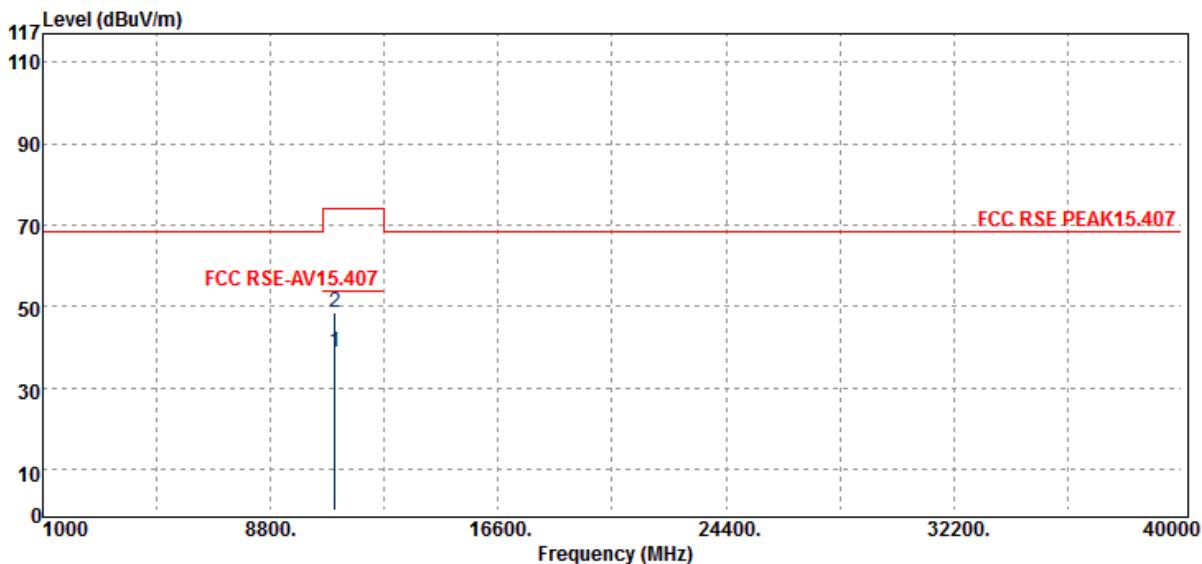
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.49	17.58	39.07	54.00	-14.93	
11000.00	H	Peak	30.85	17.58	48.43	74.00	-25.57	

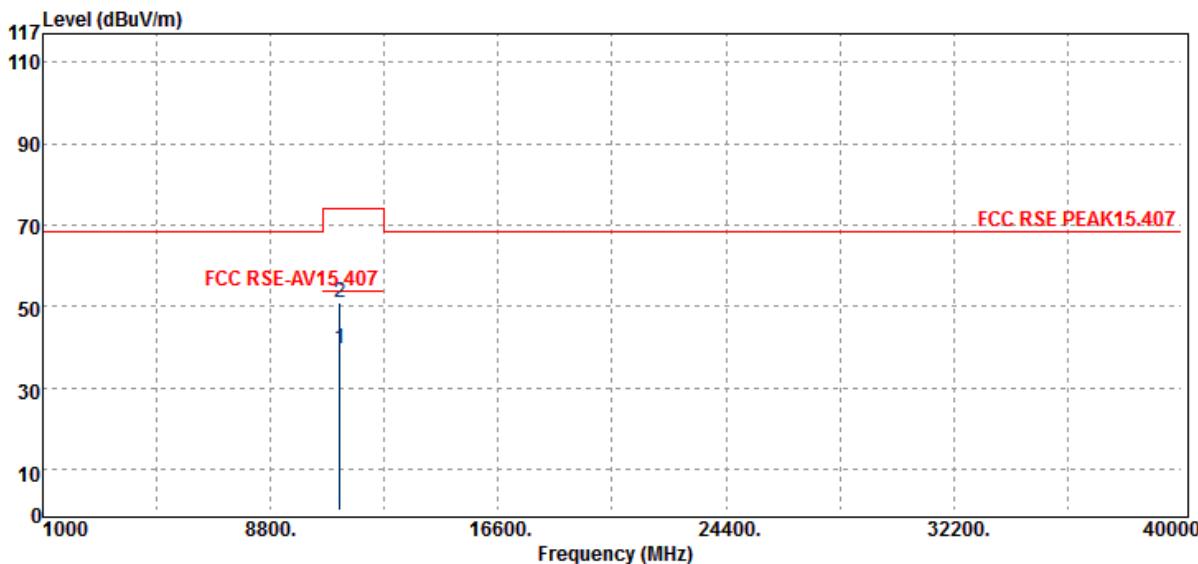
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Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11160.00	H	Average	21.58	18.10	39.68	54.00	-14.32	
11160.00	H	Peak	32.98	18.10	51.08	74.00	-22.92	

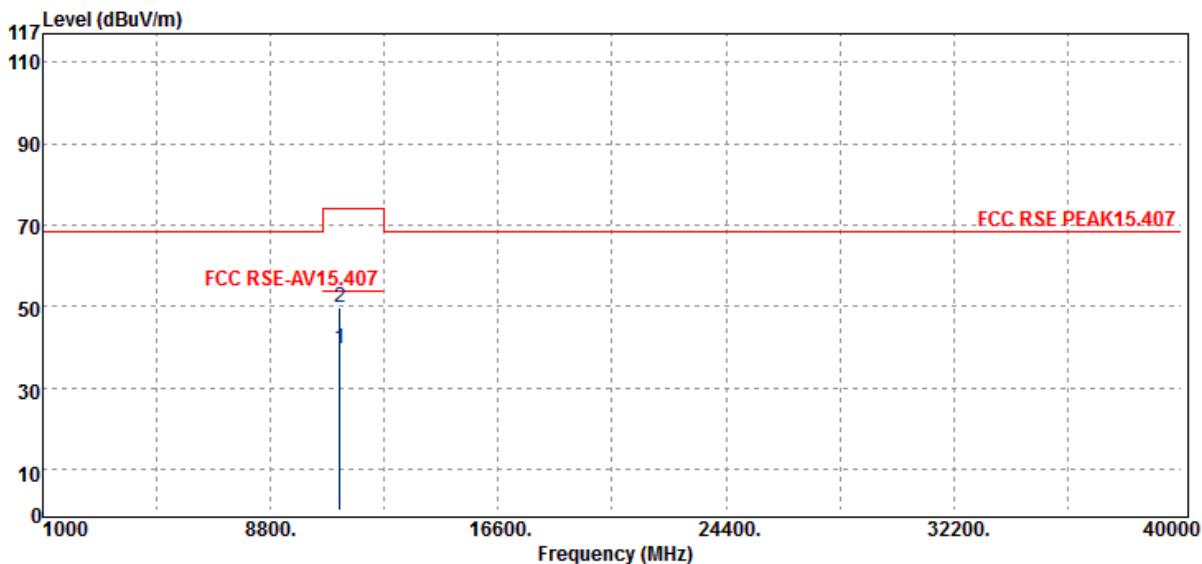
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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5580 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



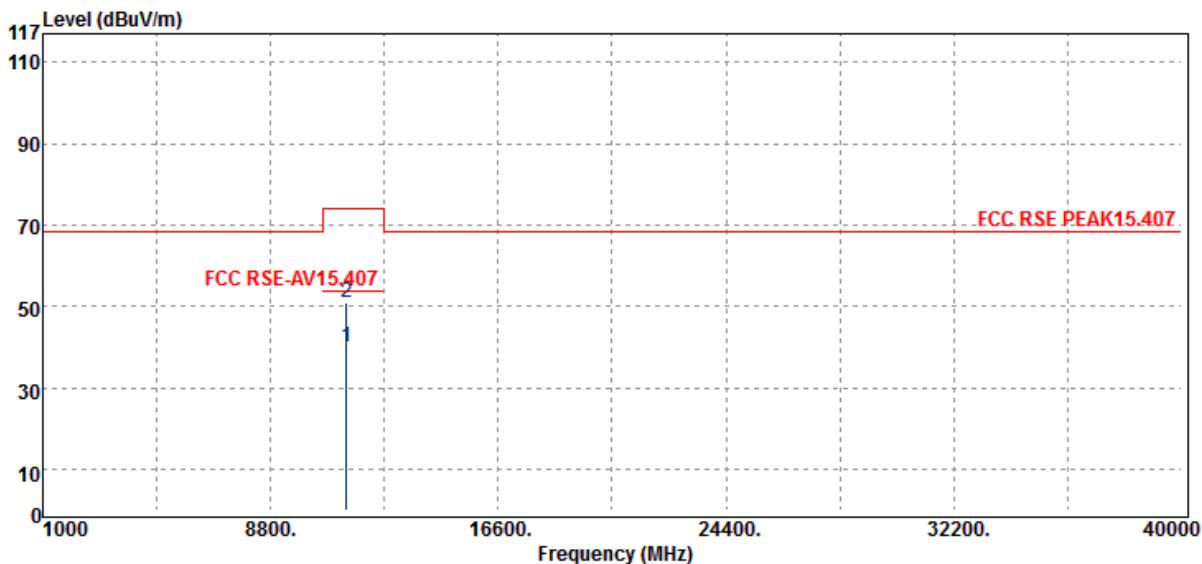
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11160.00	H	Average		21.66	18.10	39.76	54.00	-14.24
11160.00	H	Peak		31.56	18.10	49.66	74.00	-24.34

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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



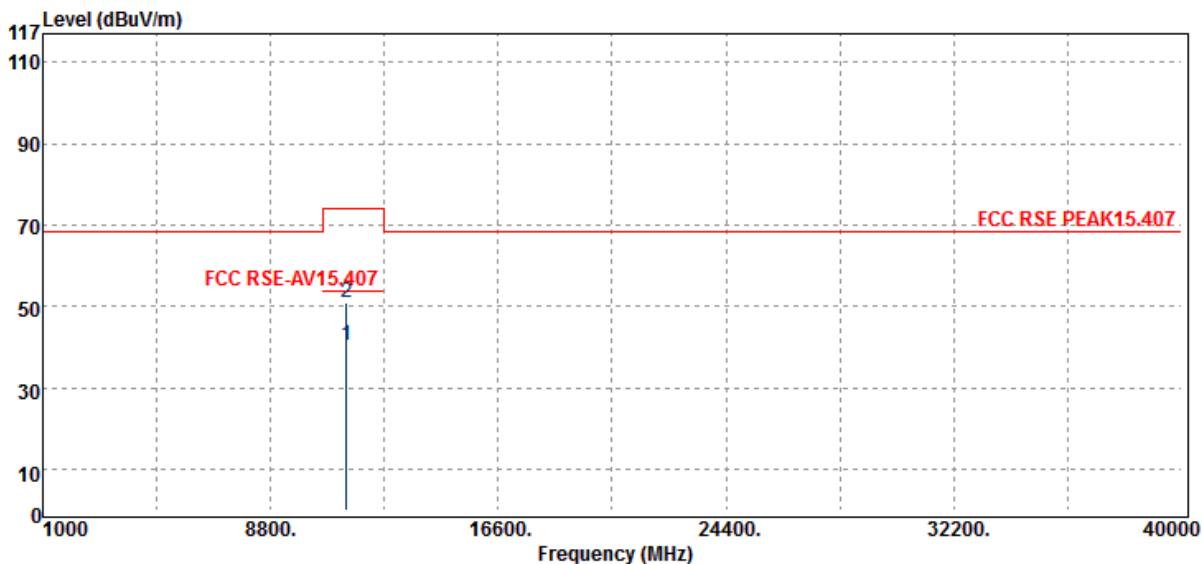
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11400.00	H	Average		21.71	18.56	40.27	54.00	-13.73
11400.00	H	Peak		32.48	18.56	51.04	74.00	-22.96

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Operation Band	:802.11aB3	Test Date	:2017-03-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11400.00	H	Average		21.83	18.56	40.39	54.00	-13.61
11400.00	H	Peak		32.32	18.56	50.88	74.00	-23.12

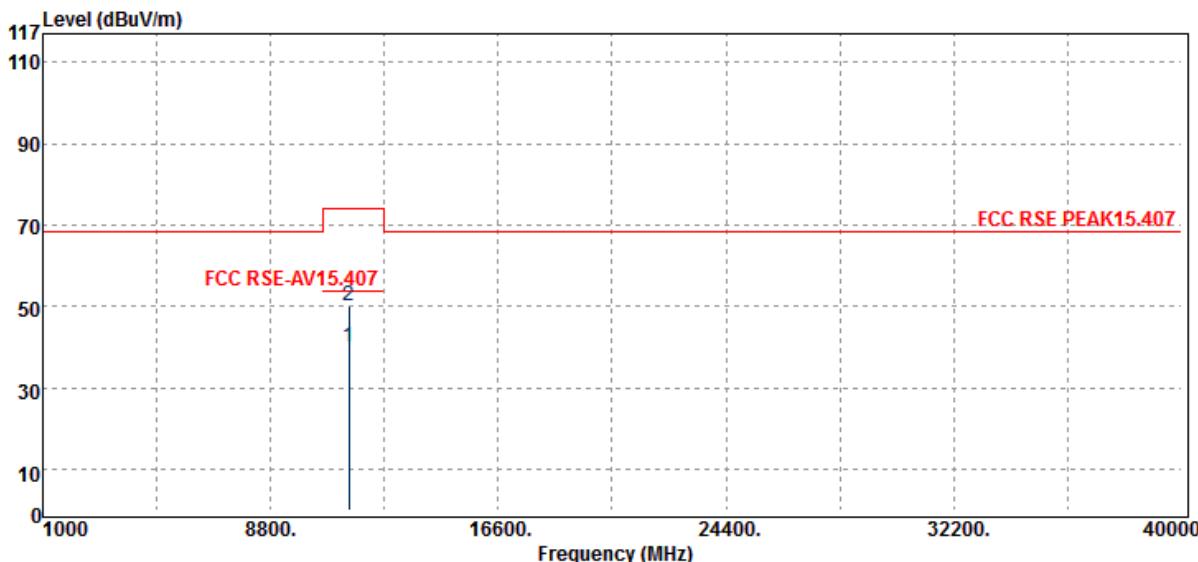
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802.11a, 5725~5850 MHz

Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5745 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11490.00	H	Average	21.69	21.69	18.55	40.24	54.00	-13.76
11490.00	H	Peak	31.62	31.62	18.55	50.17	74.00	-23.83

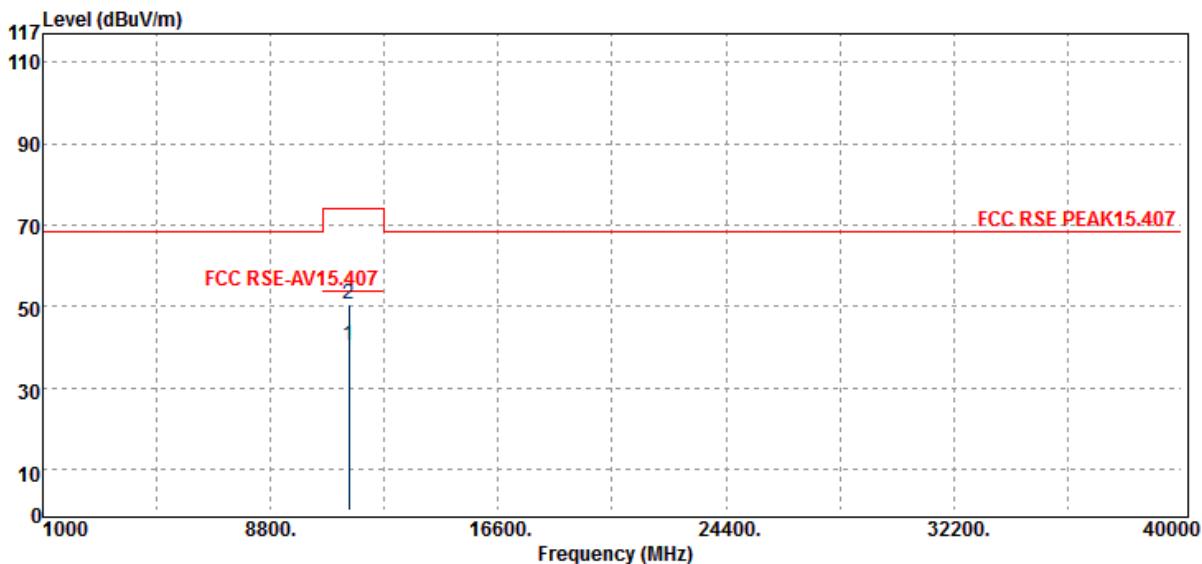
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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5745 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11490.00	H	Average		21.78	18.55	40.33	54.00	-13.67
11490.00	H	Peak		31.91	18.55	50.46	74.00	-23.54

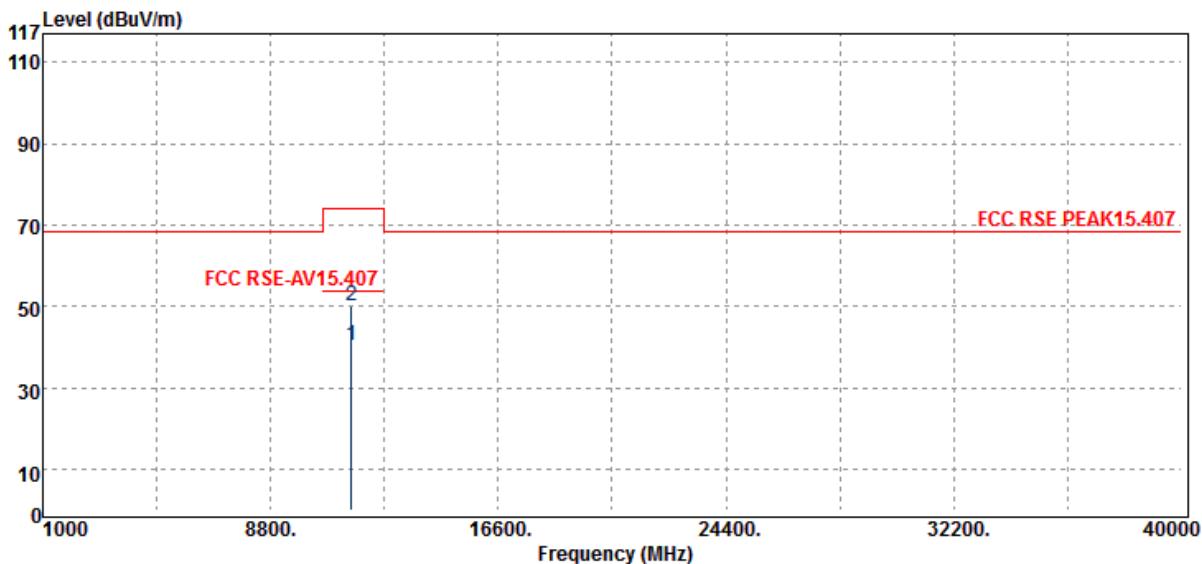
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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



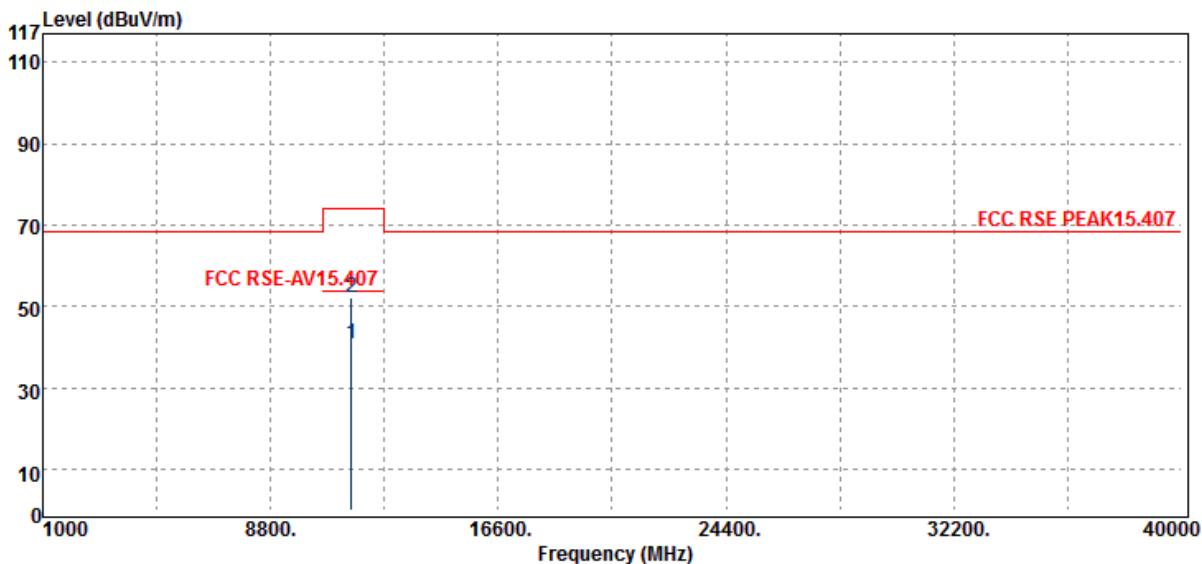
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11570.00	H	Average		21.68	18.93	40.61	54.00	-13.39
11570.00	H	Peak		31.29	18.93	50.22	74.00	-23.78

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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



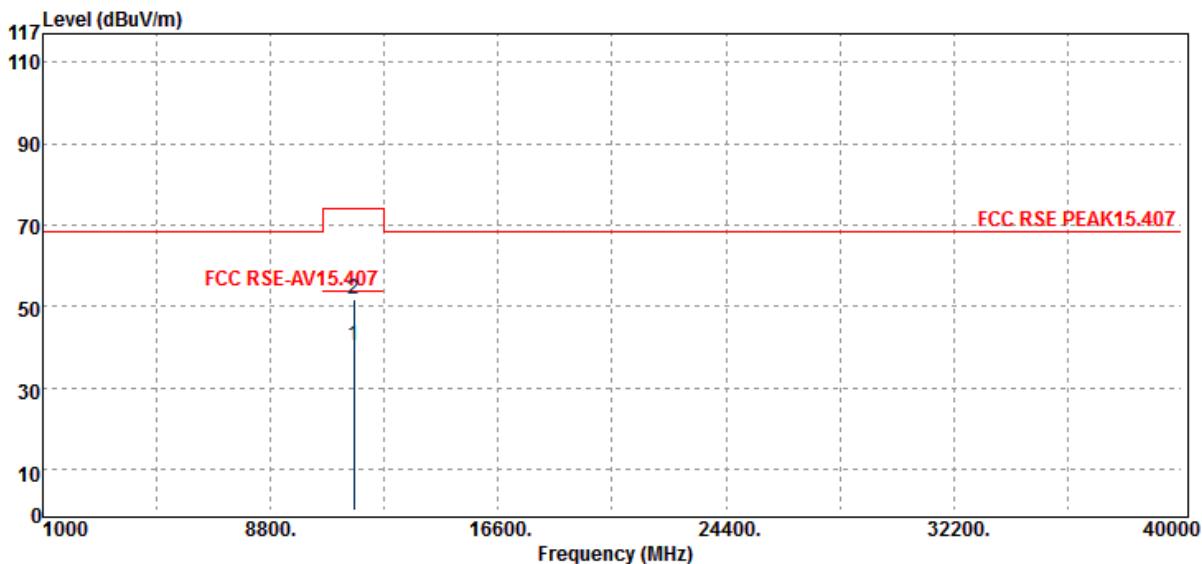
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum	Factor	Actual FS	Limit	Safe
			Reading			@3m	Margin
		PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
11570.00	H	Average	21.88	18.93	40.81	54.00	-13.19
11570.00	H	Peak	33.31	18.93	52.24	74.00	-21.76

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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



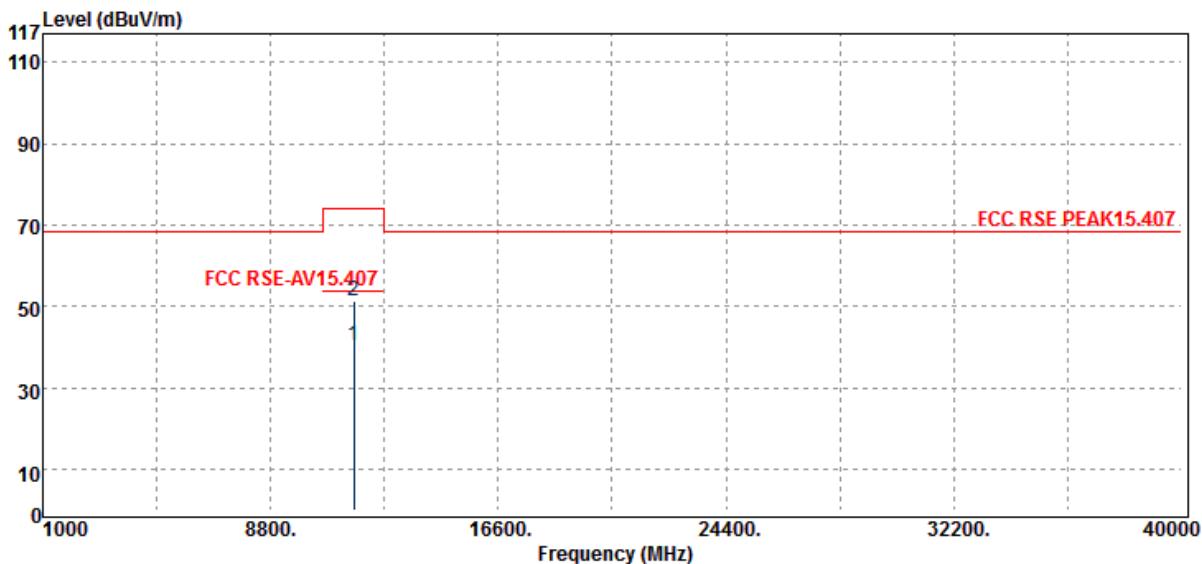
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11650.00	H	Average	21.45	19.01	40.46	54.00	-13.54	
11650.00	H	Peak	32.64	19.01	51.65	74.00	-22.35	

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Operation Band	:802.11aB4	Test Date	:2017-03-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11650.00	H	Average	21.57	19.01	40.58	54.00	-13.42	
11650.00	H	Peak	32.50	19.01	51.51	74.00	-22.49	

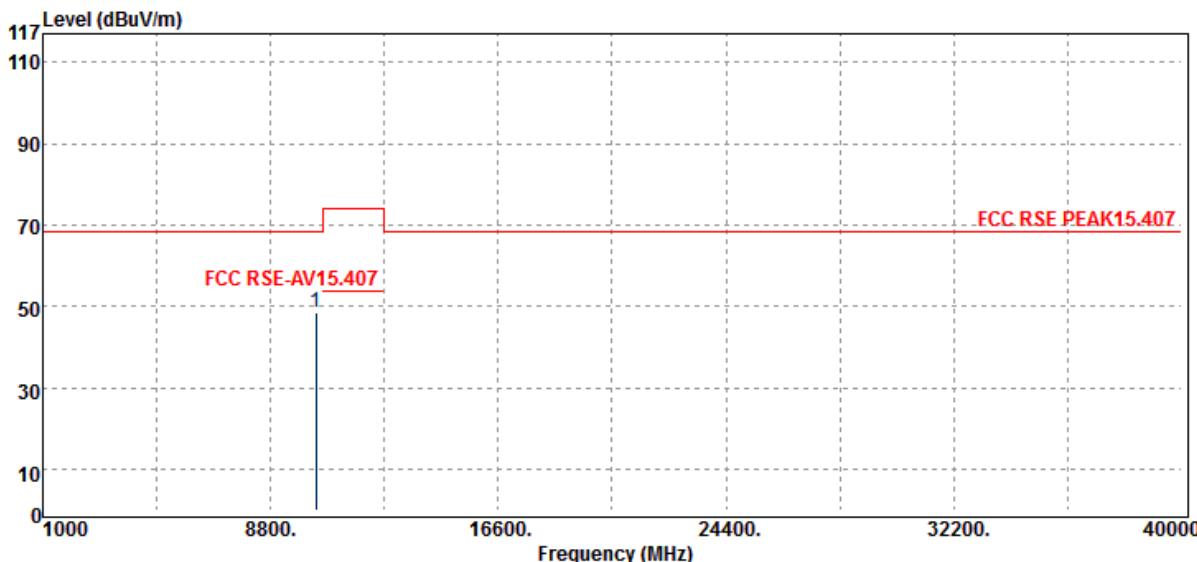
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802.11n HT20, 5150~5250 MHz

Operation Band	:802.11n20B1	Test Date	:2017-03-20
Fundamental Frequency	:5180 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	@3m	Margin	
	PK/QP/AV		dB μ V	dB	dB μ V/m	dB μ V/m	dB
10360.00	H	Peak	32.35	16.33	48.68	68.30	-19.62

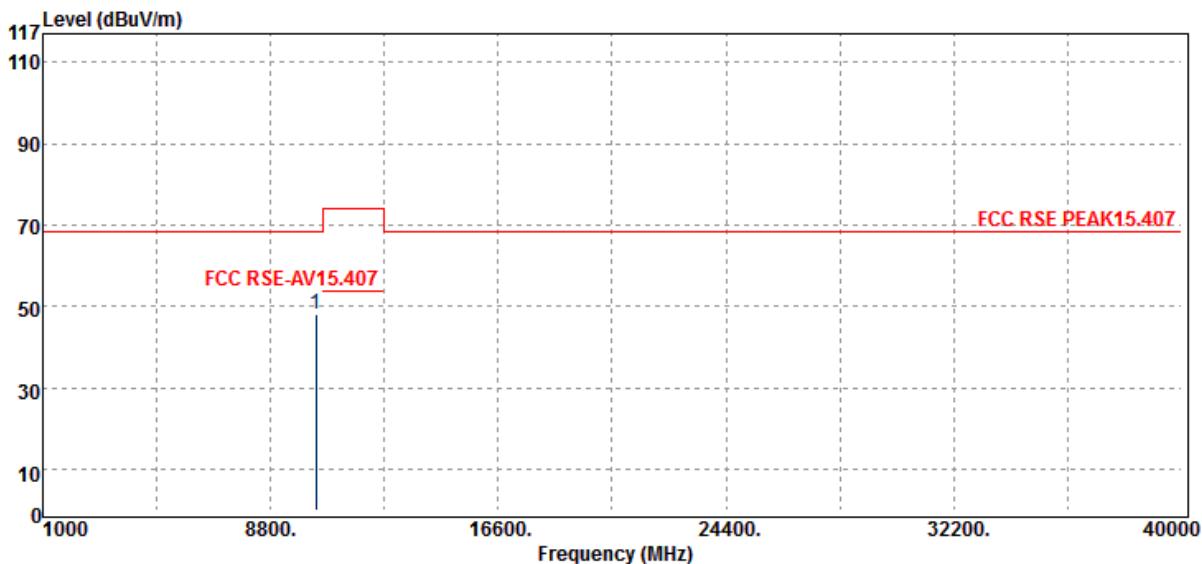
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Operation Band	:802.11n20B1	Test Date	:2017-03-20
Fundamental Frequency	:5180 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	dBuV/m	@3m	Margin
10360.00	H	Peak	31.72	16.33	48.05	68.30	-20.25

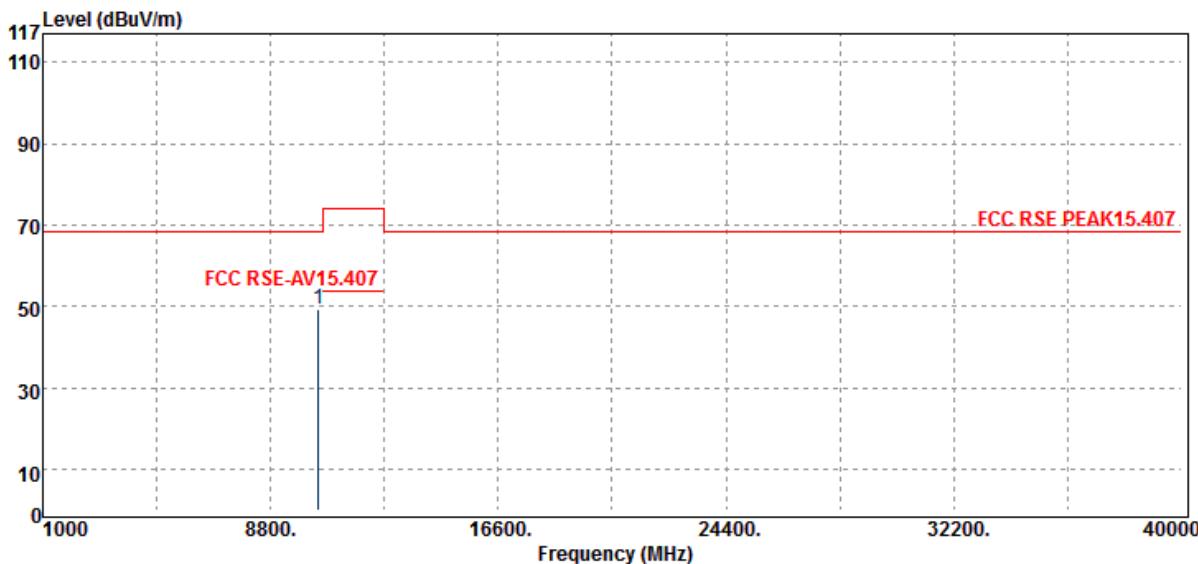
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Operation Band :802.11n20B1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
10440.00	H	Peak	32.69	16.60	49.29	68.30	-19.01

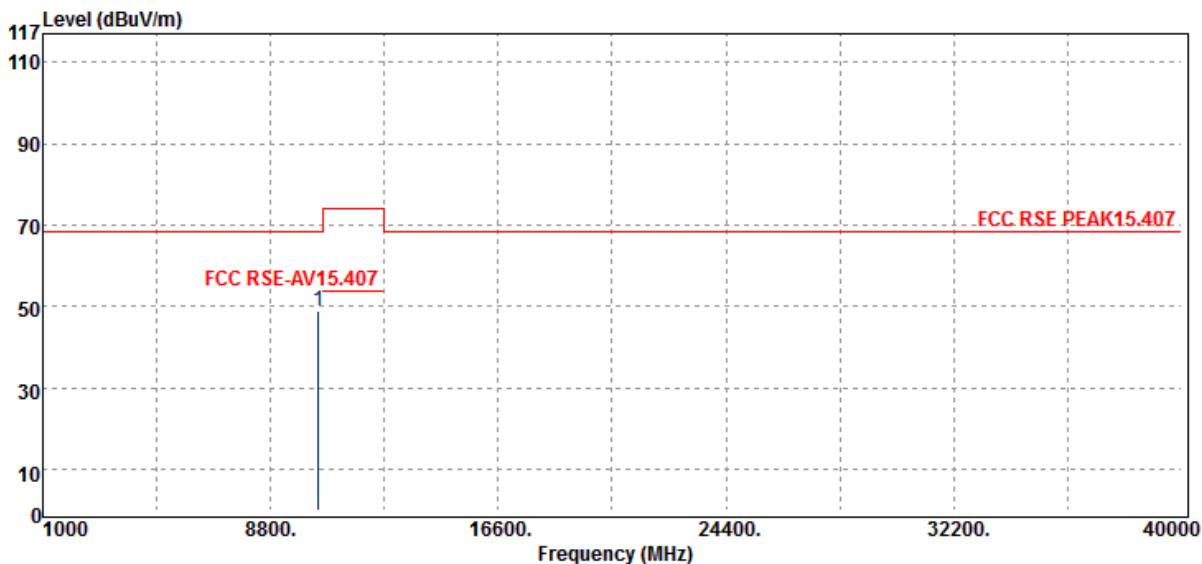
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Operation Band :802.11n20B1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



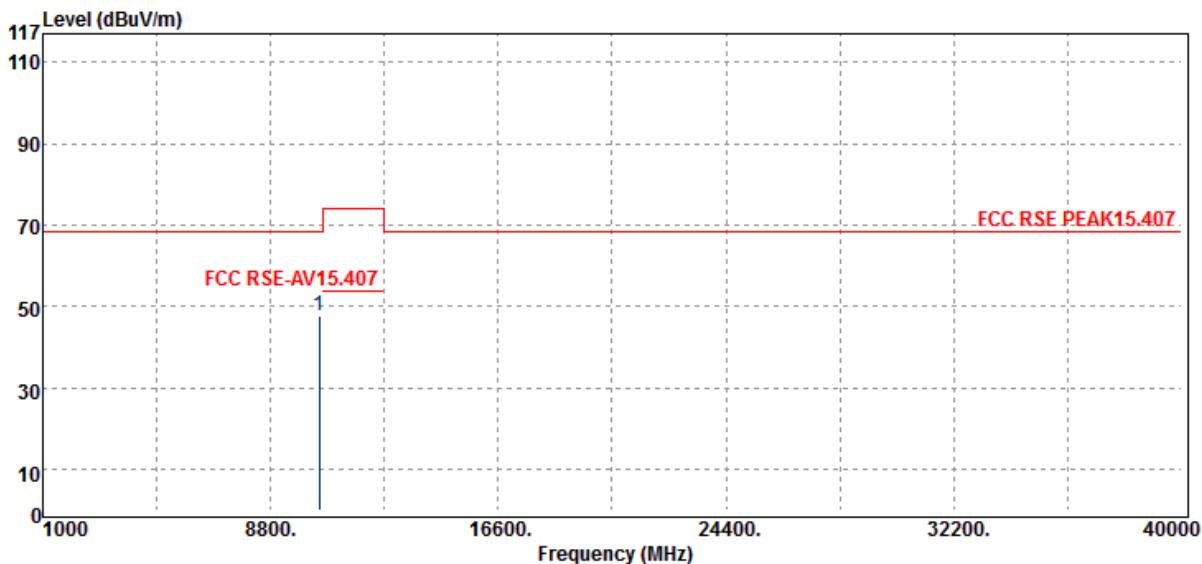
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
10440.00	H	Peak	32.38	16.60	48.98	68.30	-19.32

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Operation Band	:802.11n20B1	Test Date	:2017-03-20
Fundamental Frequency	:5240 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	dBuV/m	@3m	Margin
		PK/QP/AV	dB μ V	dB			
10480.00	H	Peak	31.79	16.14	47.93	68.30	-20.37

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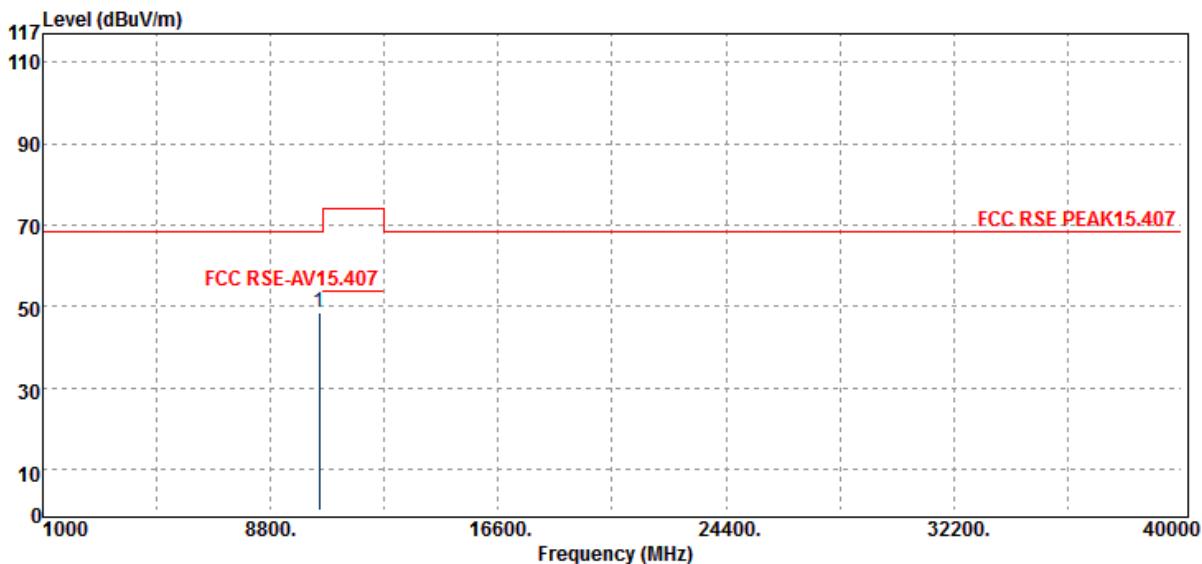
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Operation Band :802.11n20B1
 Fundamental Frequency :5240 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :H Plane

Test Date :2017-03-20
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Tin
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Safe Margin dB
10480.00	H	Peak	32.30	16.14	48.44	68.30	-19.86

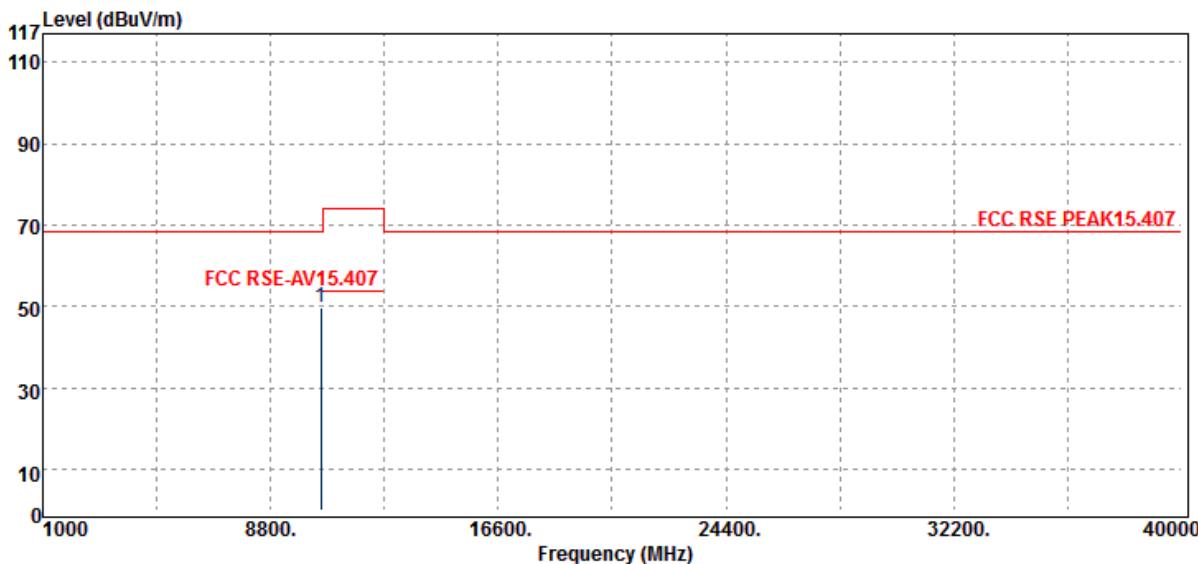
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802.11n HT20, 5250~5350 MHz

Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



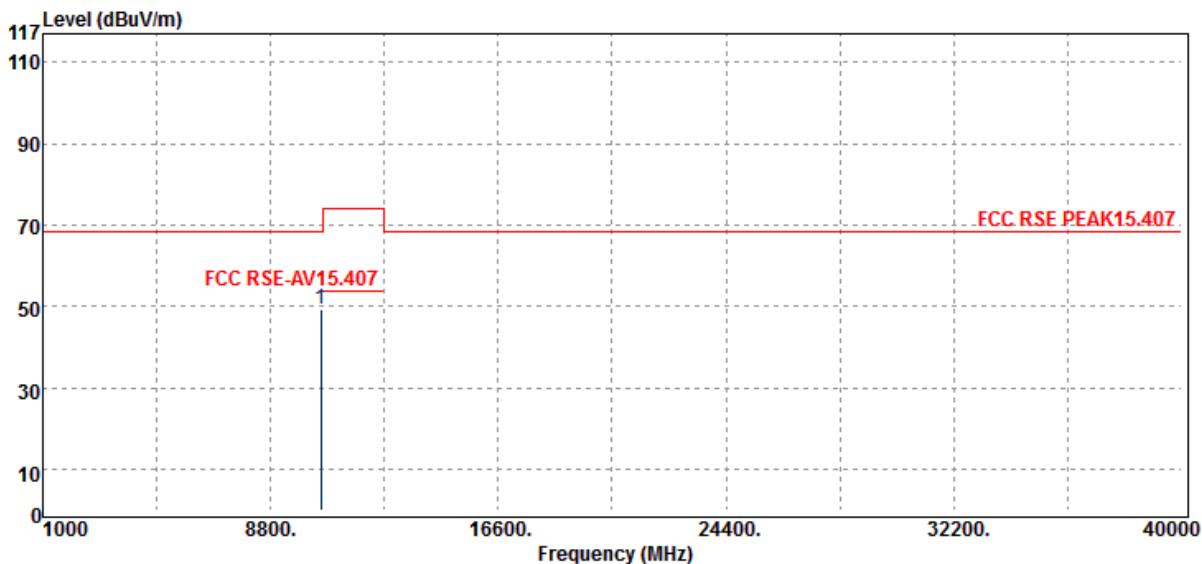
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	dBuV/m	@3m	Margin
		PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
10520.00	H	Peak	32.59	17.17	49.76	68.30	-18.54

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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



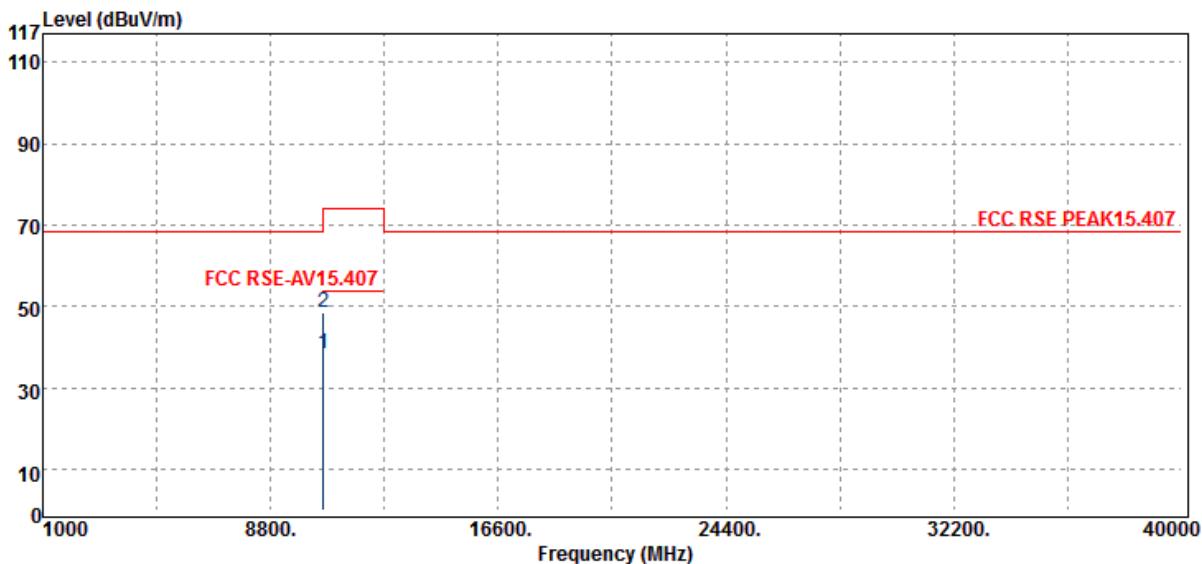
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
MHz	F/H/E/S	Mode	Reading Level	FS	dBuV/m	@3m	Margin
10520.00	H	Peak	32.10	17.17	49.27	68.30	-19.03

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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average		21.86	16.64	38.50	54.00	-15.50
10600.00	H	Peak		31.97	16.64	48.61	74.00	-25.39

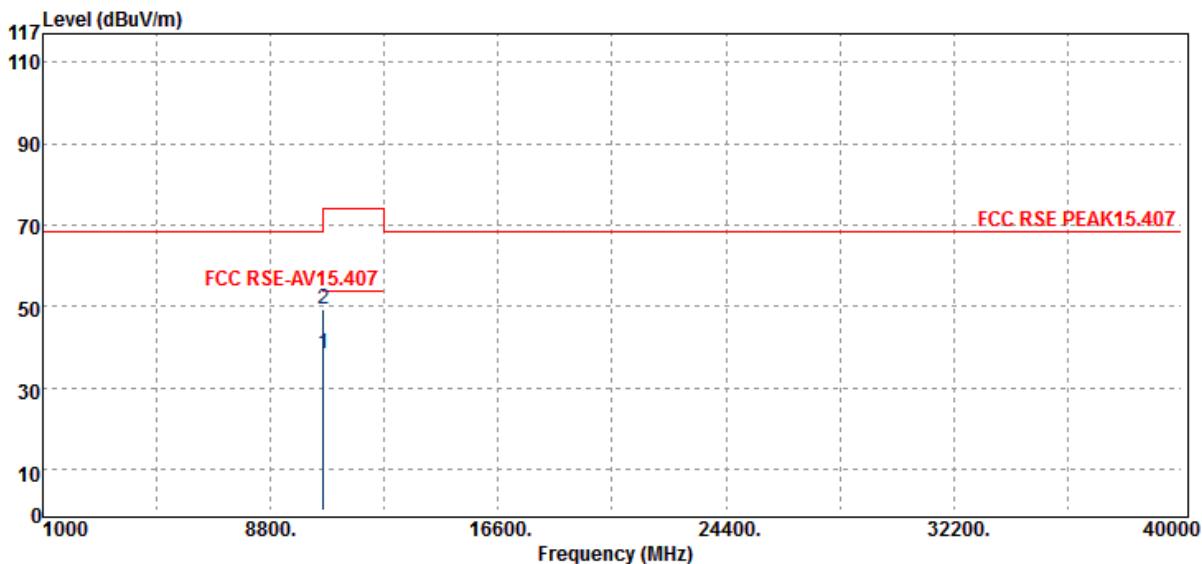
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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



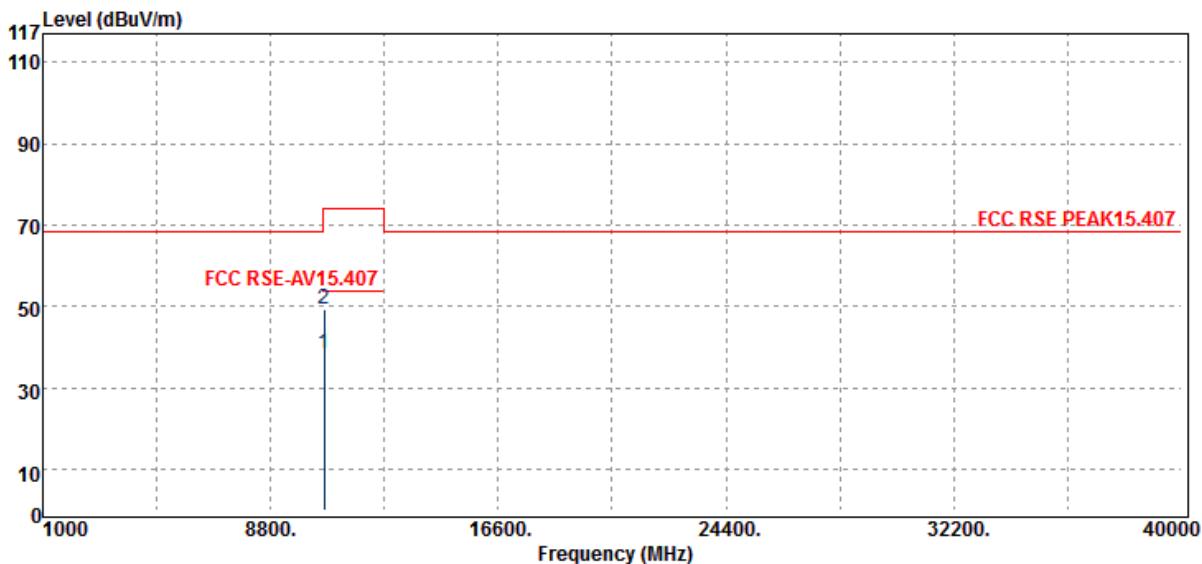
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10600.00	H	Average		21.92	16.64	38.56	54.00	-15.44
10600.00	H	Peak		32.83	16.64	49.47	74.00	-24.53

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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



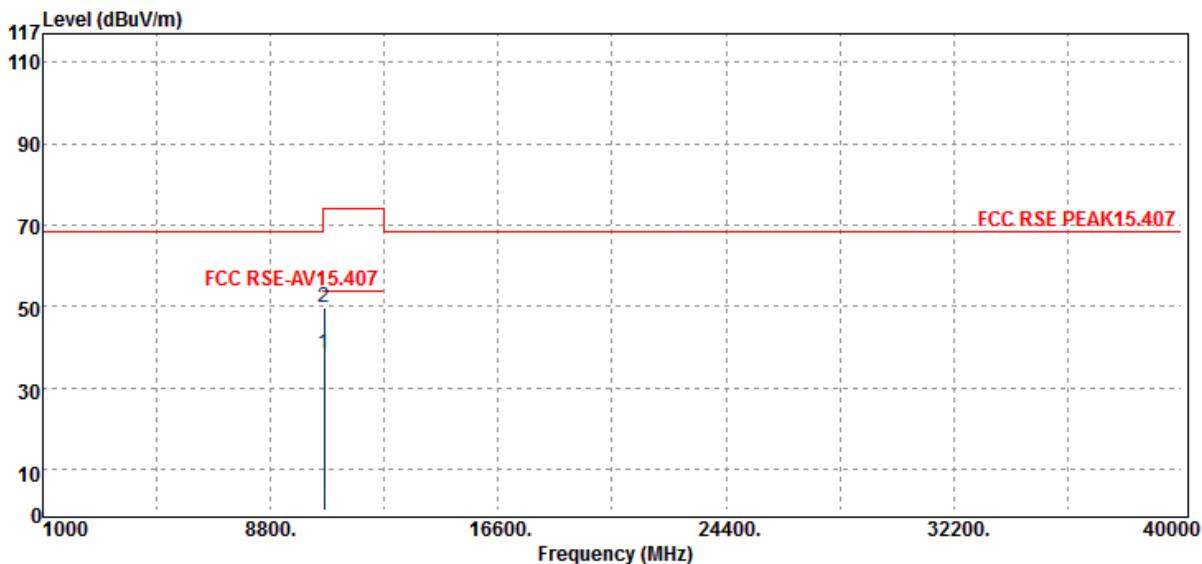
Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average		21.64	16.89	38.53	54.00	-15.47
10640.00	H	Peak		32.31	16.89	49.20	74.00	-24.80

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Operation Band	:802.11n20B2	Test Date	:2017-03-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
10640.00	H	Average		21.76	16.89	38.65	54.00	-15.35
10640.00	H	Peak		32.74	16.89	49.63	74.00	-24.37

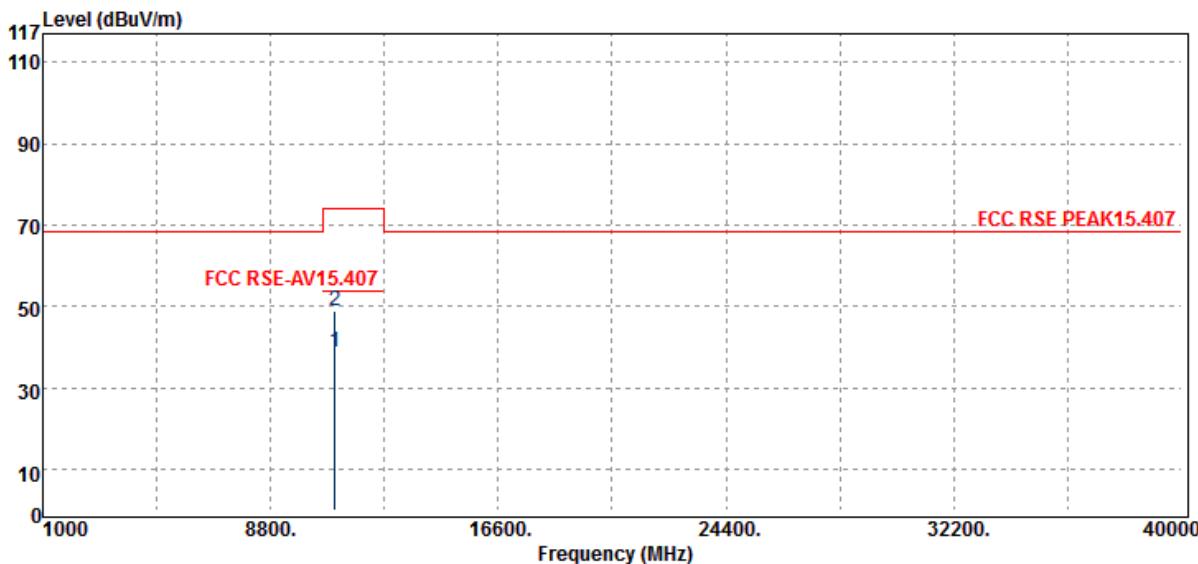
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802.11n HT20, 5470~5725 MHz

Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS dB	Limit @3m dBuV/m	Safe Margin dB
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.24	21.24	17.58	38.82	54.00	-15.18
11000.00	H	Peak	31.42	31.42	17.58	49.00	74.00	-25.00

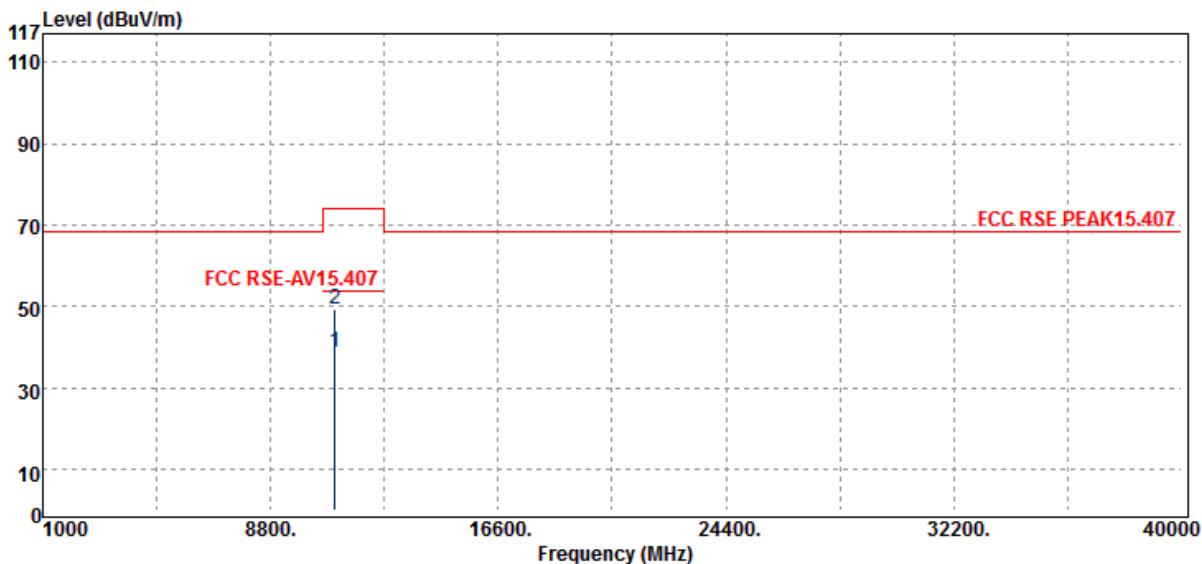
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Operation Band	:802.11n20B3	Test Date	:2017-03-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Safe Margin
			PK/QP/AV	Reading Level dB μ V				
11000.00	H	Average	21.34	21.34	17.58	38.92	54.00	-15.08
11000.00	H	Peak	31.68	31.68	17.58	49.26	74.00	-24.74

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