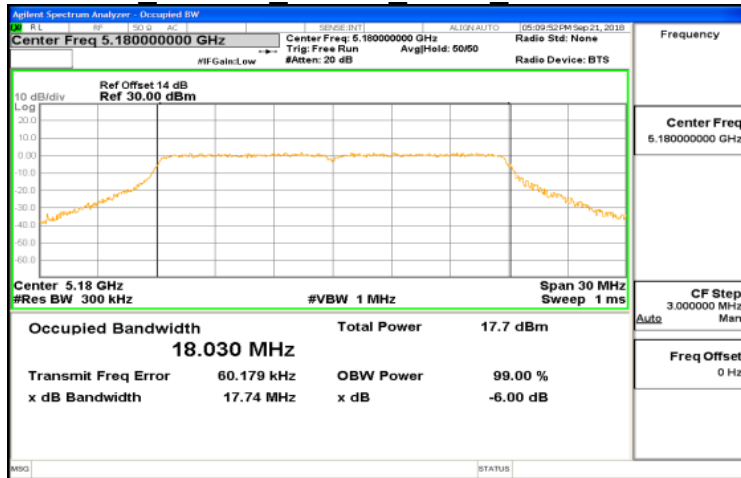
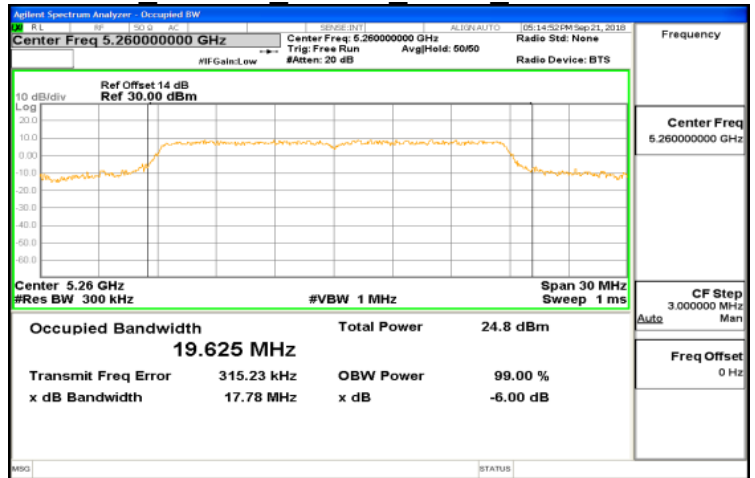


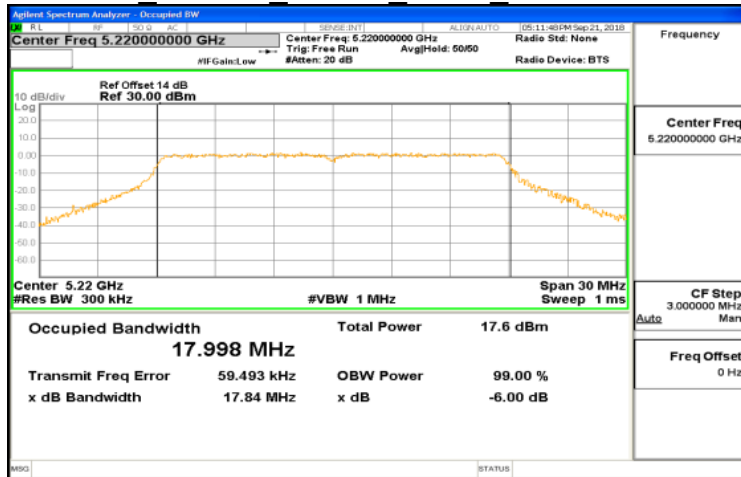
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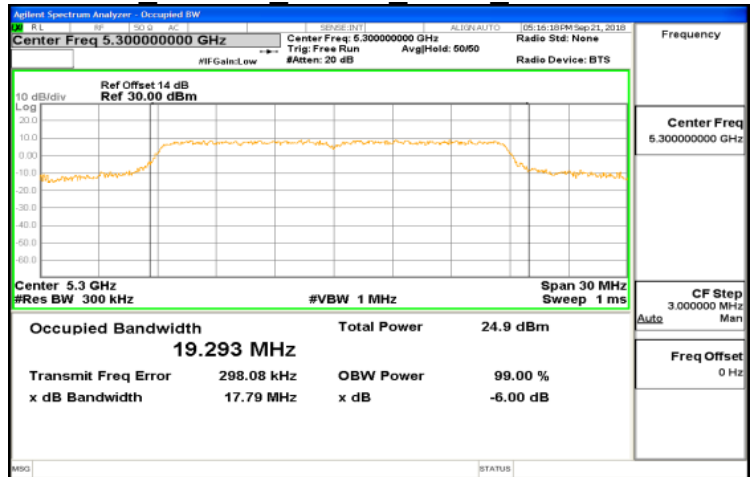
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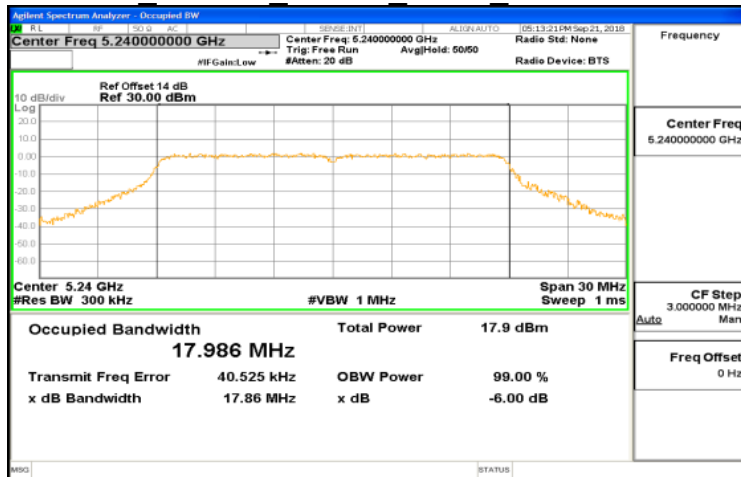
IC 802.11n 20MHz AUX1 5220MHz



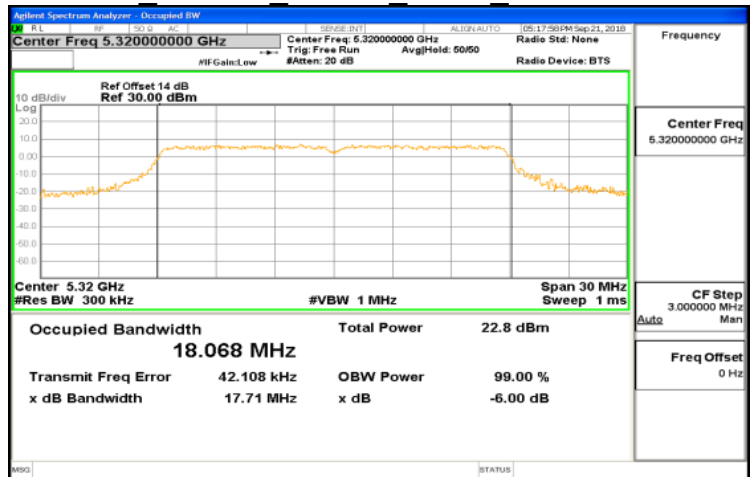
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IC 802.11n 20MHz AUX1 5240MHz



IC 802.11n 20MHz AUX1 5320MHz

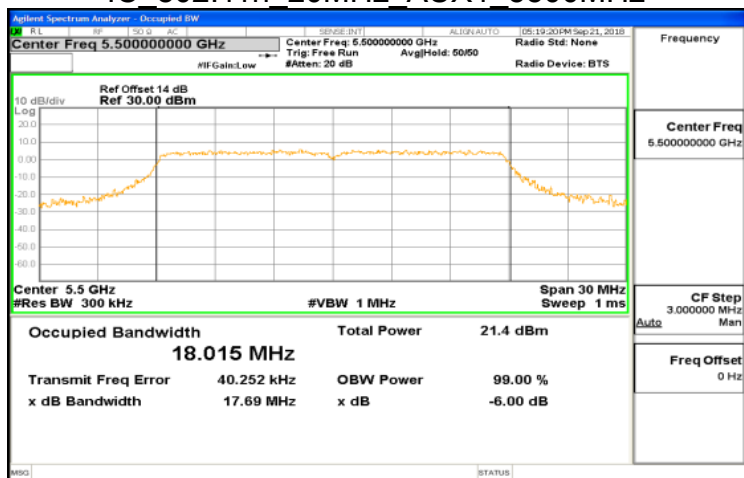


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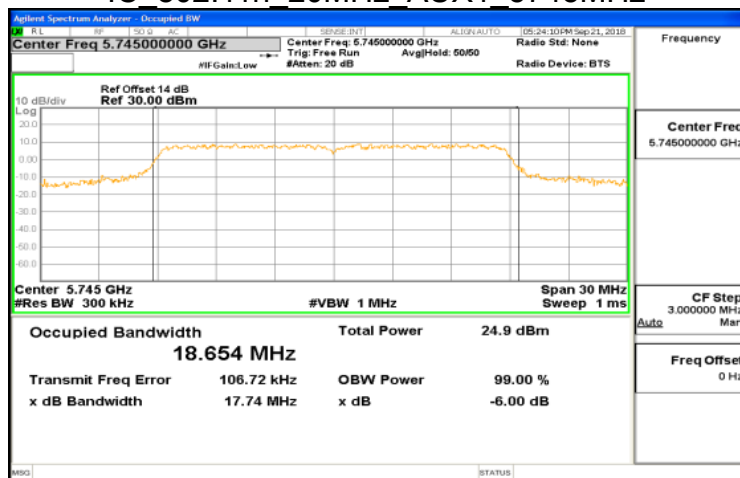
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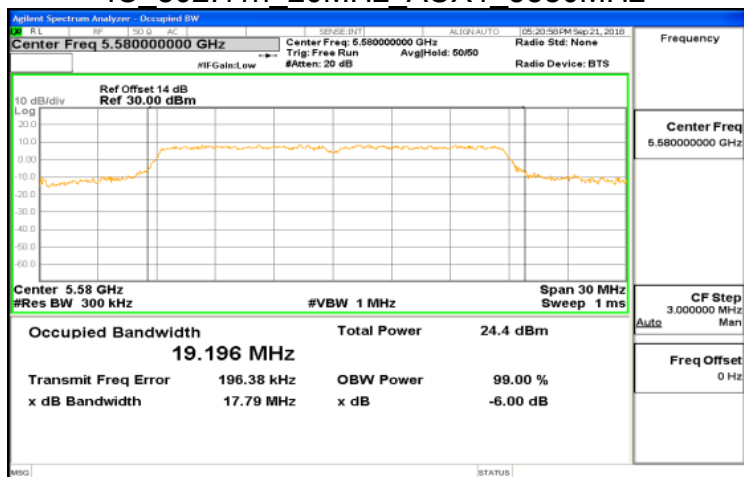
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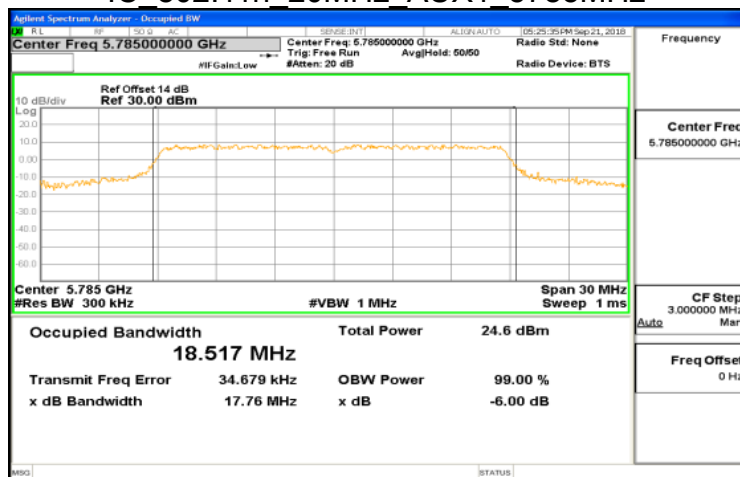
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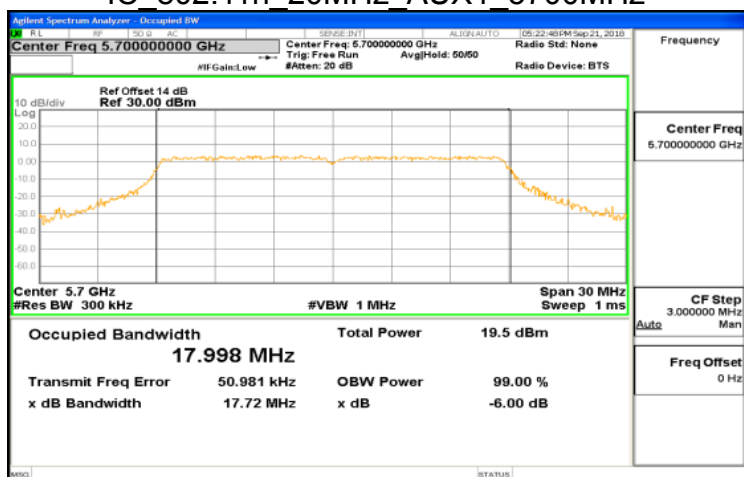
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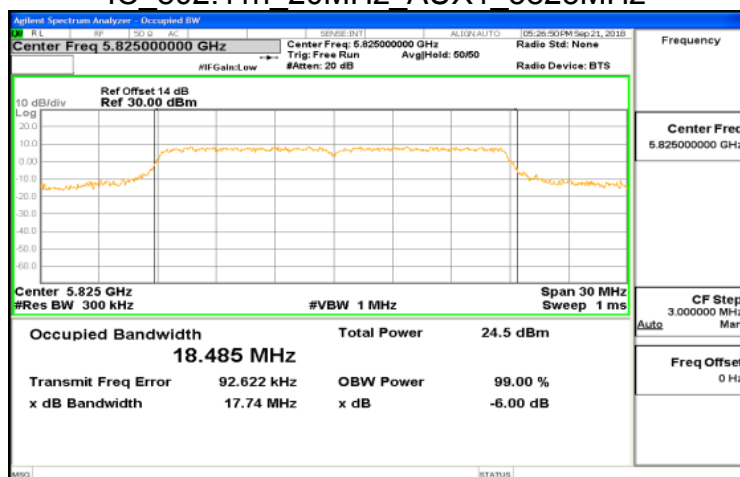
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IC 802.11n 20MHz AUX1 5700MHz



IC 802.11n 20MHz AUX1 5825MHz

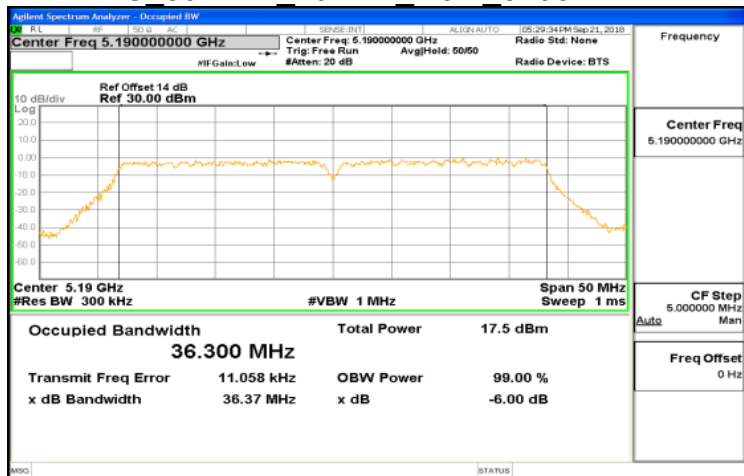


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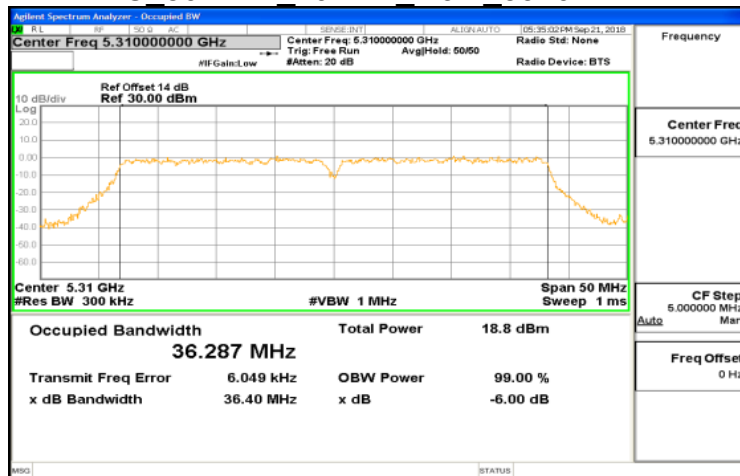
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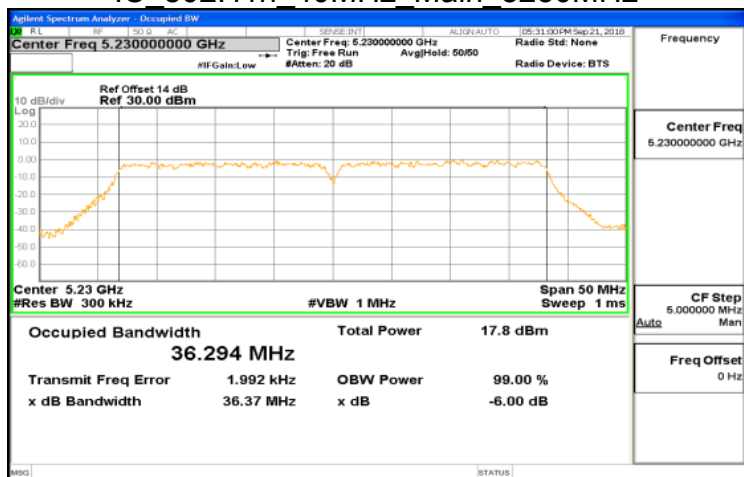
IC 802.11n 40MHz Main 5190MHz



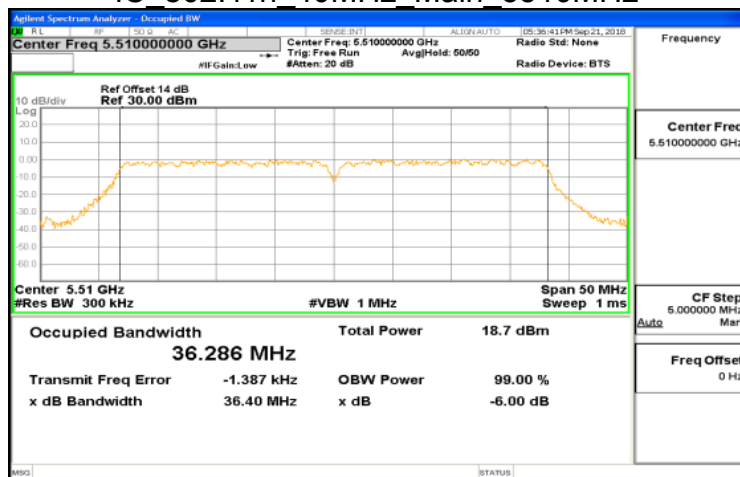
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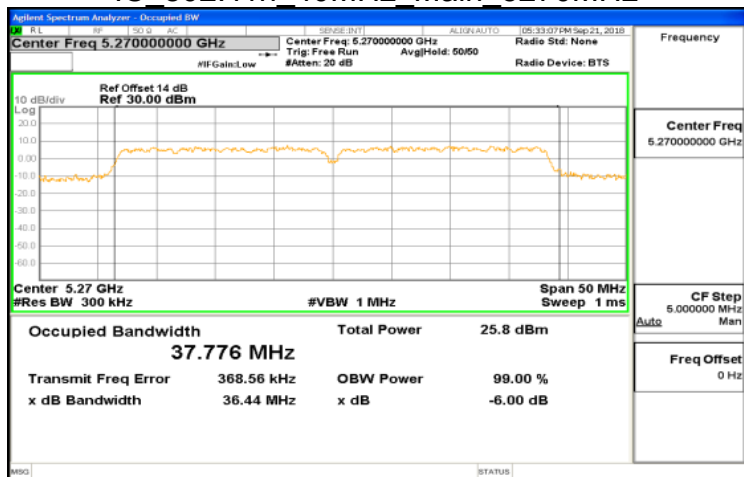
IC 802.11n 40MHz Main 5230MHz



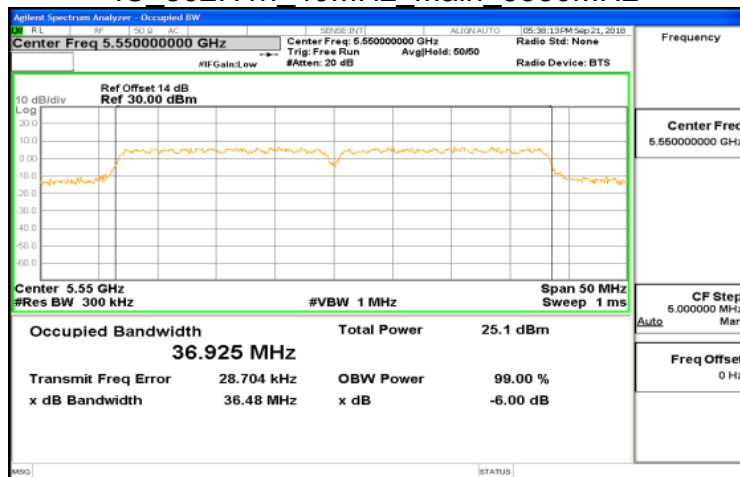
IC 802.11n 40MHz Main 5510MHz



IC 802.11n 40MHz Main 5270MHz



IC 802.11n 40MHz Main 5550MHz

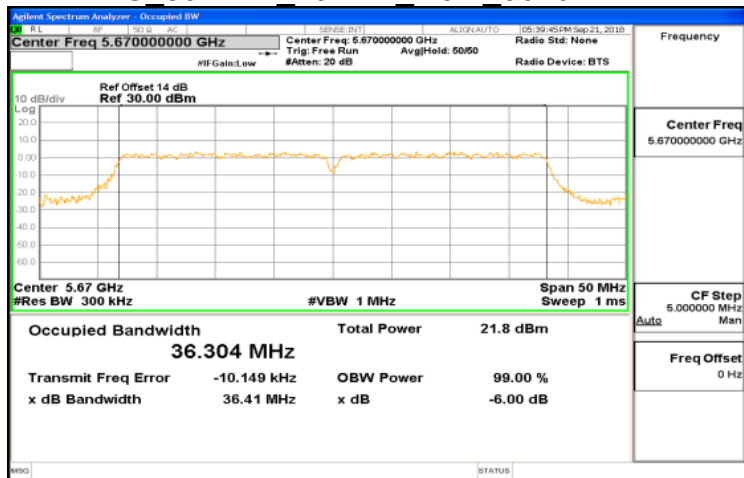


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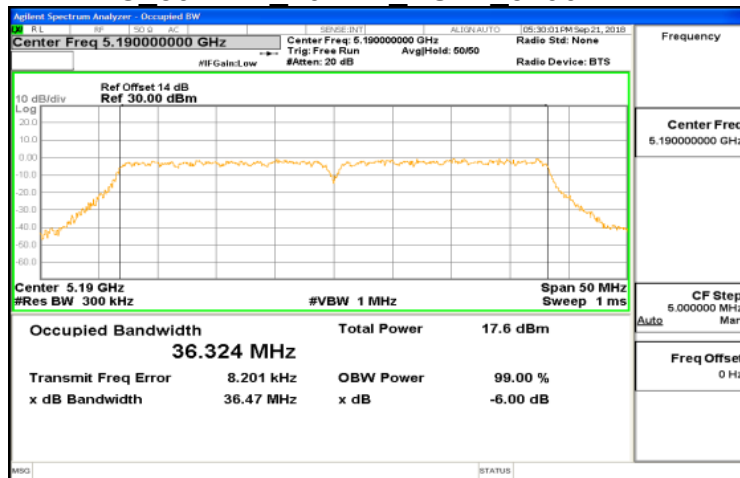
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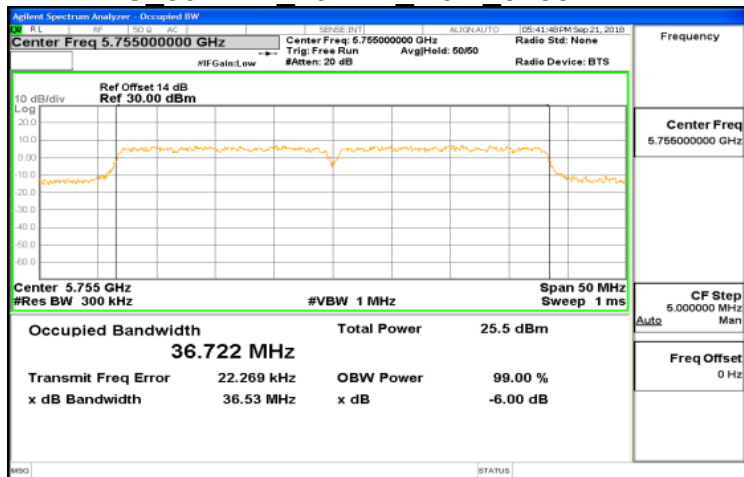
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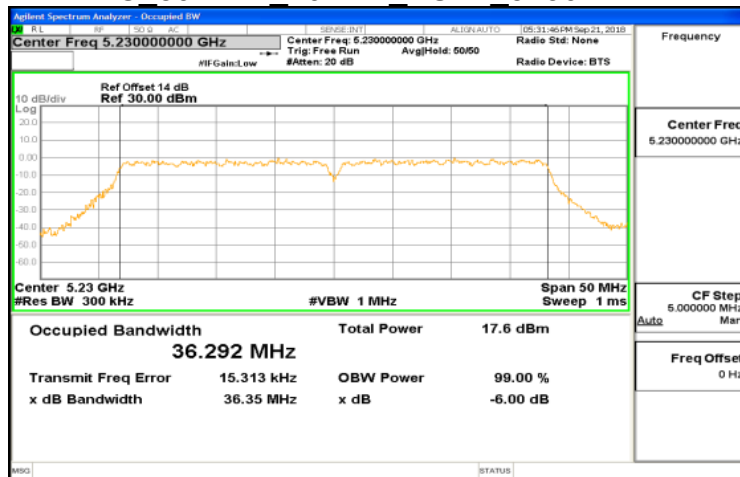
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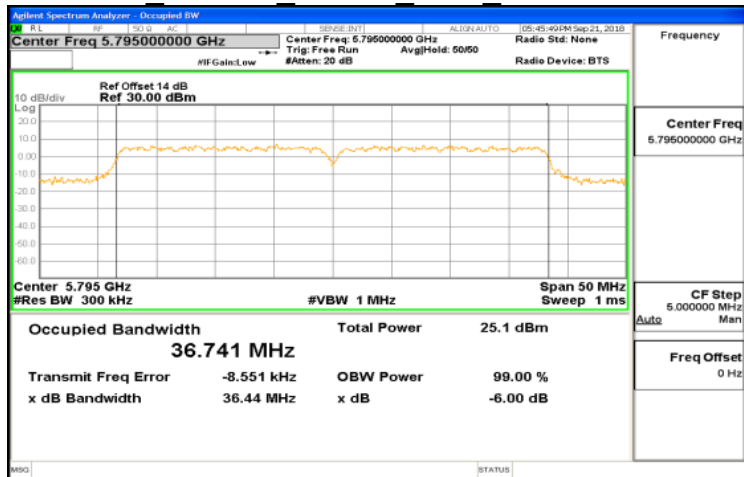
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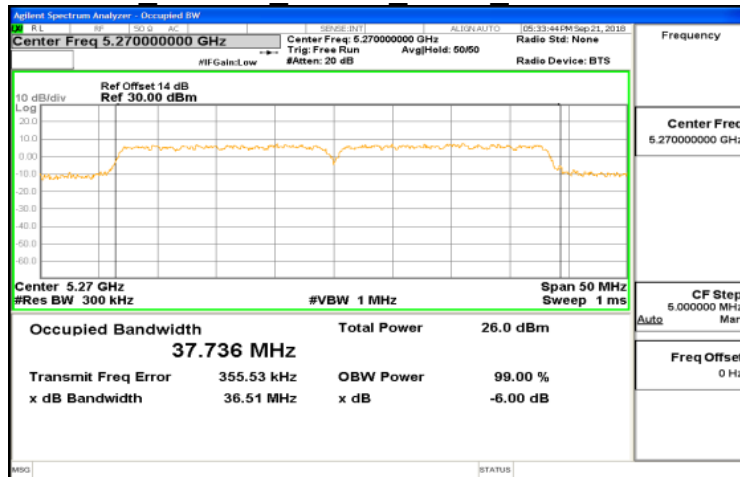
IC 802.11n 40MHz AUX1 5230MHz



IC 802.11n 40MHz Main 5795MHz



IC 802.11n 40MHz AUX1 5270MHz

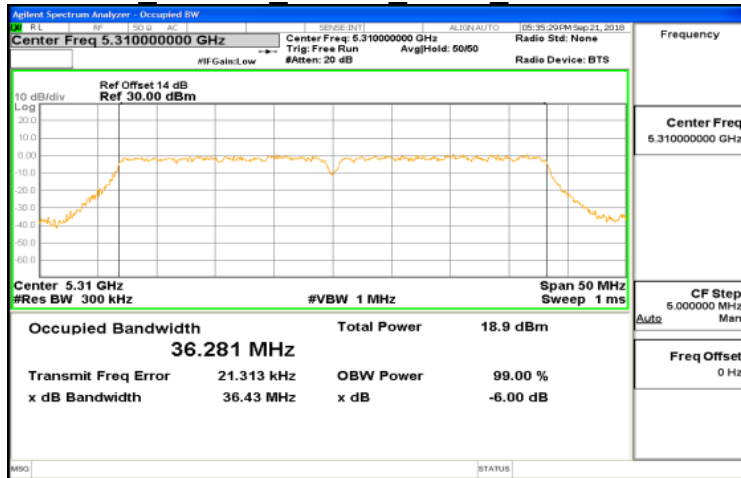


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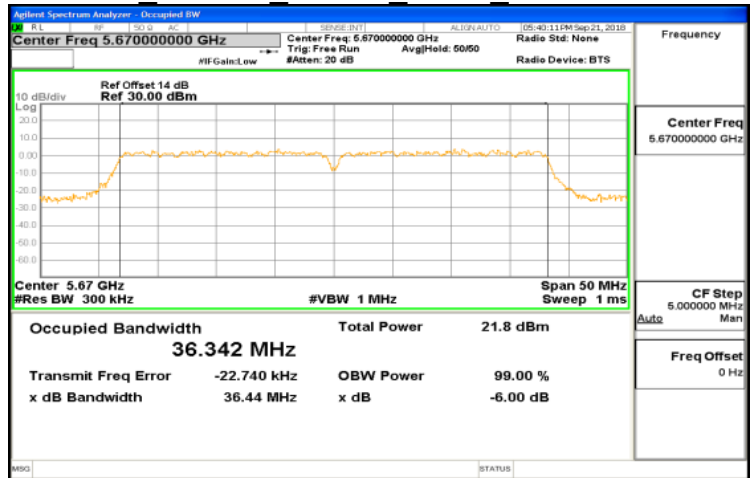
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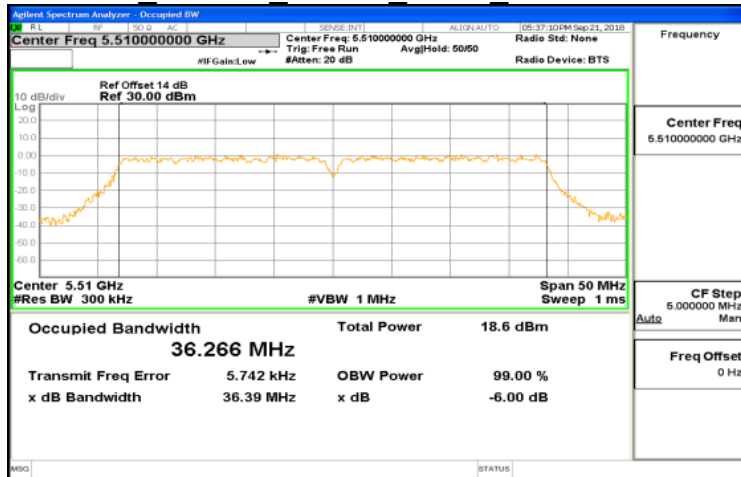
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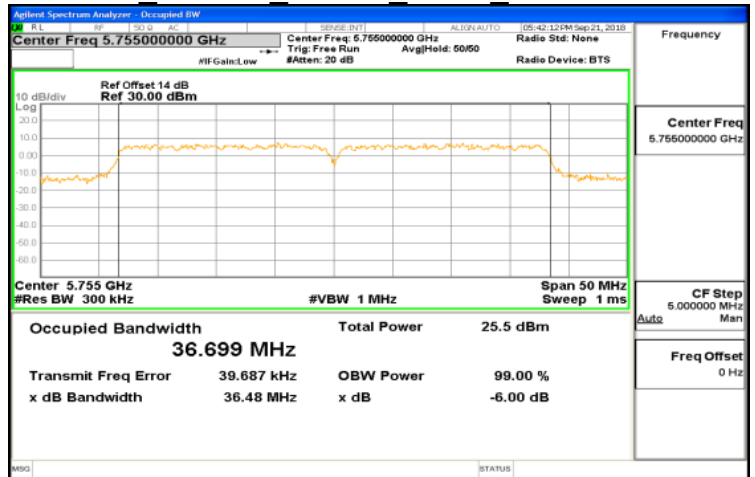
IC 802.11n 40MHz AUX1 5670MHz



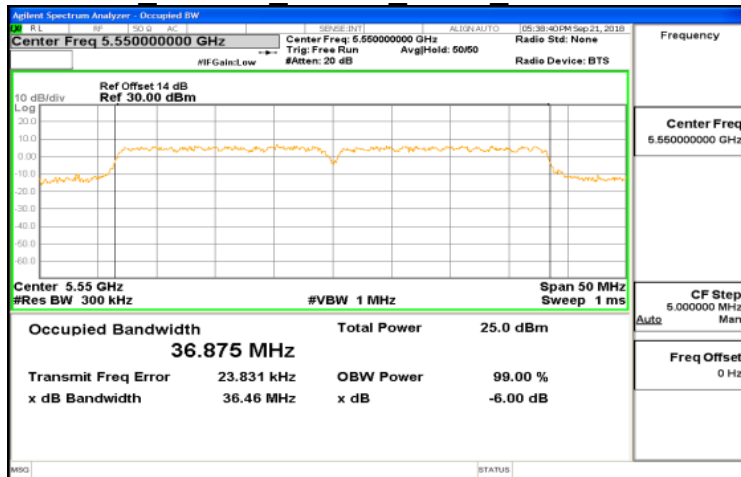
IC 802.11n 40MHz AUX1 5510MHz



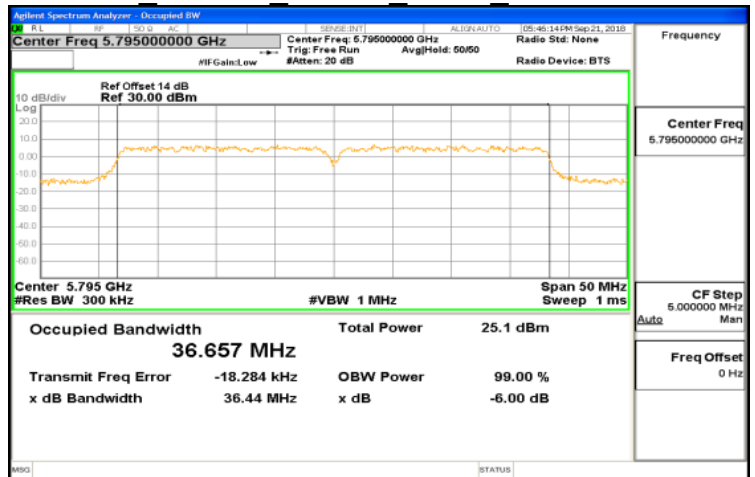
IC 802.11n 40MHz AUX1 5755MHz



IC 802.11n 40MHz AUX1 5550MHz



IC 802.11n 40MHz AUX1 5795MHz

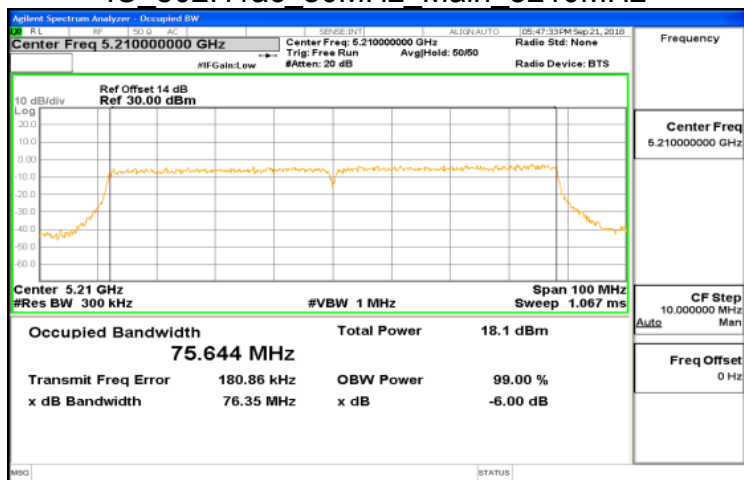


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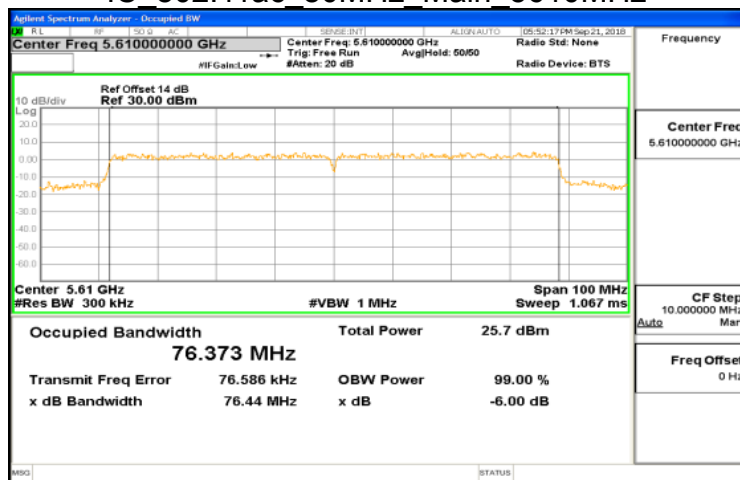
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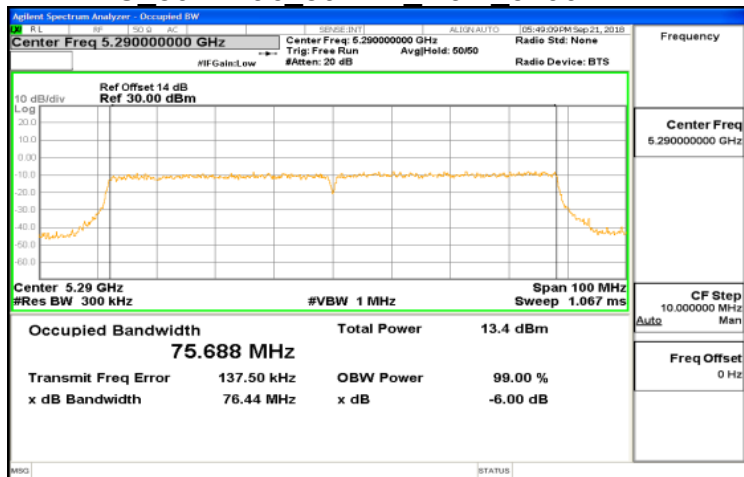
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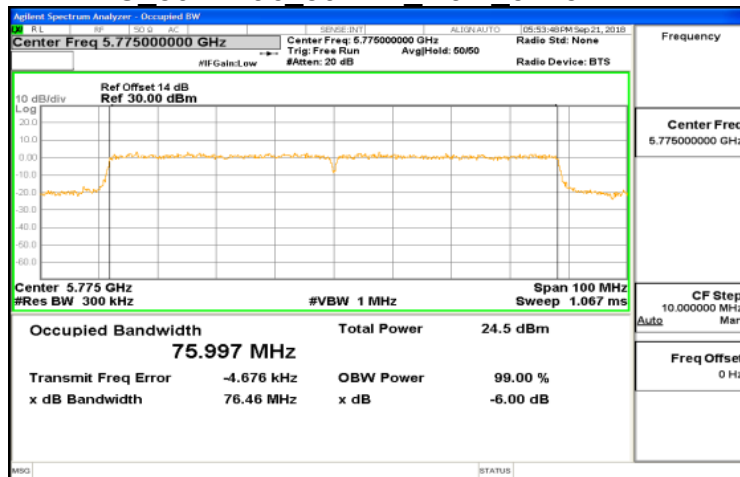
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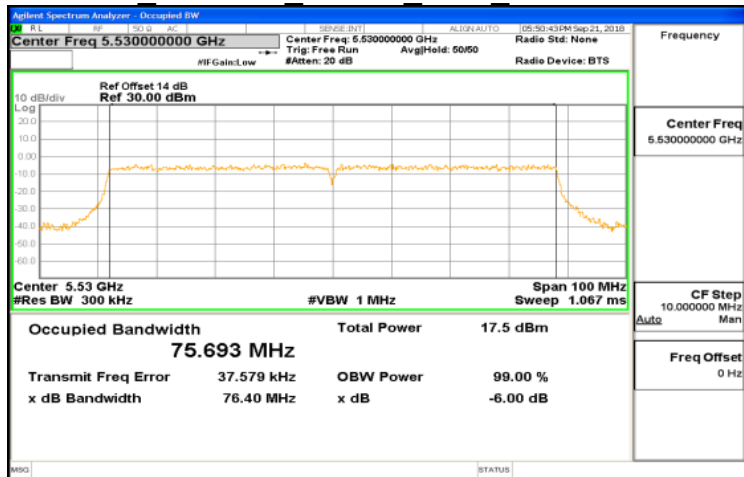
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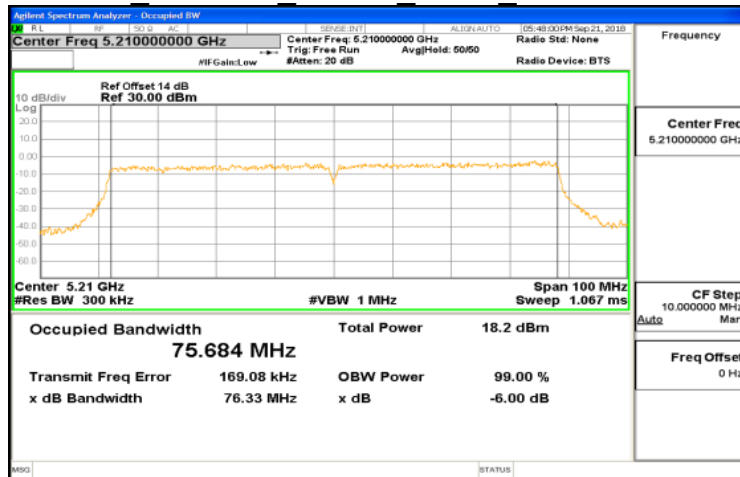
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IC 802.11ac 80MHz Main 5530MHz



IC 802.11ac 80MHz AUX1 5210MHz

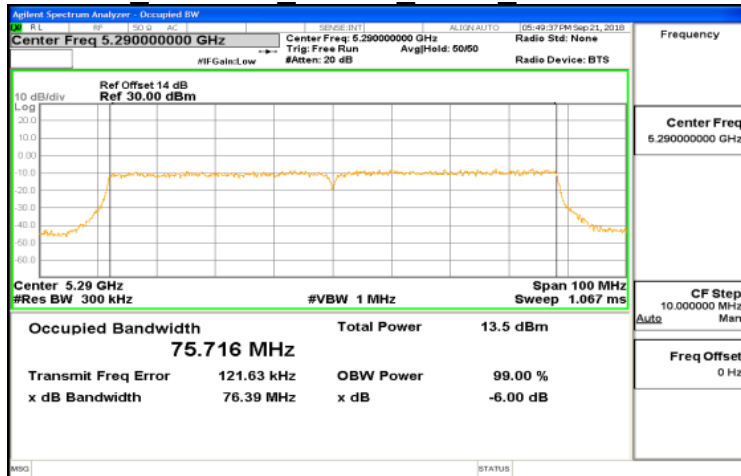


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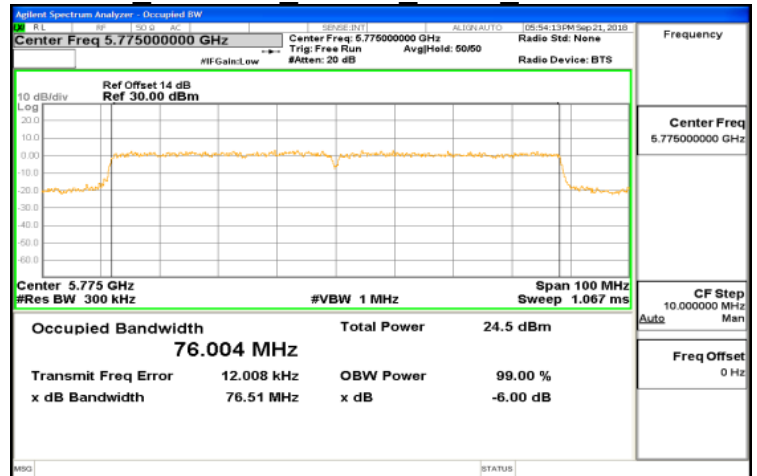
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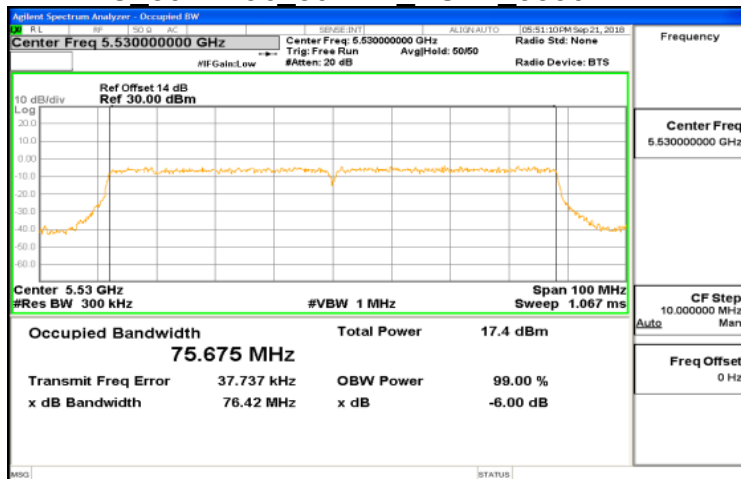
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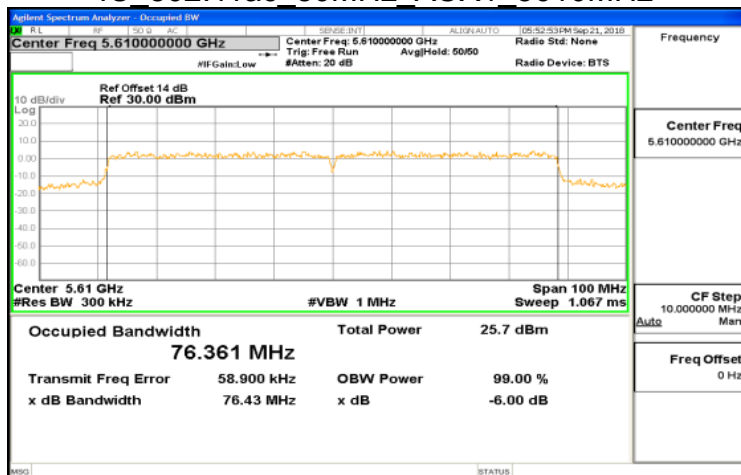
IC 802.11ac 80MHz AUX1 5775MHz



IC 802.11ac 80MHz AUX1 5530MHz



IC 802.11ac 80MHz AUX1 5610MHz



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9 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

9.1 Standard Applicable

FCC

OPERZTION Band	EUT CATEGORY		LIMIT
U-NII-1		Access Point (Master device)	1 Watt(30dBm)
		Fixed point-to-point Access Ponit	1 Watt(30dBm)
	✓	Mobile and portable client 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)
If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna exceeds 6 dBi.			

ISED

OPERZTION 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
For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	

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Note:

As per FCC KDB 662911 D01

a) Basic methodology with NANT transmit antennas, each with the same directional gain GANT dBi, being driven by NANT transmitter outputs of equal power. Directional gain is to be computed as follows:

If any transmit signals are correlated with each other,

(i) Directional gain = GANT + 10 log(NANT) dBi

The antenna gain is greater than 6 dBi in MIMO mode, therefore the limit needs to be reduced as below

Frequency (MHz)	Effective Legacy Gain (dBi)	Conducted Power Limit (dBm)
UNII 1 5150-5250MHz	8.01	21.97
UNII 2 5250-5350MHz	8.01	21.97
UNII 2 5470-5725MHz	8.01	21.97
UNII 3 5725-5825MHz	8.01	27.99

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.

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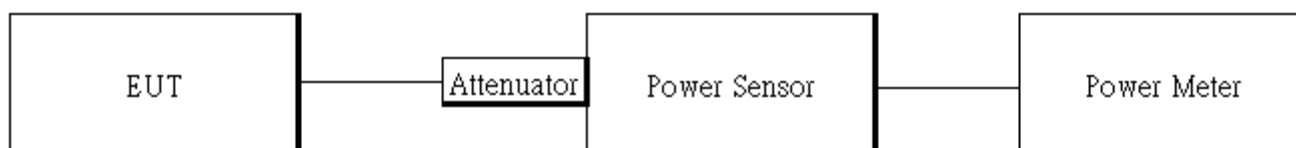
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9.3 Measurement Equipment Used

SGS Conducted Room					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	05/03/2018	05/02/2019
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2018	01/01/2019
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2018	01/01/2019
Coaxial Cables	N/A	WK CE Cable	N/A	01/02/2018	01/01/2019
Power Meter	Anritsu	ML2496A	1804001	02/01/2018	01/31/2019
Power Sensor	Anritsu	MA2411B	1726104	02/01/2018	01/31/2019
Power Sensor	Anritsu	MA2411B	1726107	02/01/2018	01/31/2019

9.4 Test Set-up



9.5 Measurement Result

Conducted output power (FCC)

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802.11a_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	10.91	12.331	23.98	PASS
44	5220	6	10.94	12.416	23.98	PASS
48	5240	6	10.86	12.190	23.98	PASS
52	5260	6	17.87	61.235	23.98 or $11+10\log(B) = 25.77$	PASS
60	5300	6	17.80	60.255	23.98 or $11+10\log(B) = 25.77$	PASS
64	5320	6	16.45	44.157	23.98 or $11+10\log(B) = 25.42$	PASS
100	5500	6	14.10	25.704	23.98 or $11+10\log(B) = 24.85$	PASS
116	5580	6	17.81	60.394	23.98 or $11+10\log(B) = 25.77$	PASS
140	5700	6	8.71	7.430	23.98 or $11+10\log(B) = 24.30$	PASS
149	5745	6	17.71	59.020	30	PASS
157	5785	6	17.92	61.944	30	PASS
165	5825	6	18.11	64.714	30	PASS

802.11a_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	10.49	11.194	23.98	PASS
44	5220	6	10.50	11.220	23.98	PASS
48	5240	6	10.80	12.023	23.98	PASS
52	5260	6	17.81	60.394	23.98 or $11+10\log(B) = 25.77$	PASS
60	5300	6	17.77	59.841	23.98 or $11+10\log(B) = 25.77$	PASS
64	5320	6	16.33	42.953	23.98 or $11+10\log(B) = 25.39$	PASS
100	5500	6	13.82	24.099	23.98 or $11+10\log(B) = 24.61$	PASS
116	5580	6	17.59	57.411	23.98 or $11+10\log(B) = 25.77$	PASS
140	5700	6	8.56	7.178	23.98 or $11+10\log(B) = 24.32$	PASS
149	5745	6	17.60	57.544	30	PASS
157	5785	6	17.65	58.210	30	PASS
165	5825	6	17.90	61.659	30	PASS

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802.11a_2Tx

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1	CH 2	CH 3				
36	5180	6	10.8	10.6	0	0	13.90	24.532	21.96970004	PASS
44	5220	6	10.9	10.6	0	0	13.95	24.848	21.96970004	PASS
48	5240	6	10.7	10.7	0	0	13.91	24.578	21.96970004	PASS
52	5260	6	17.7	17.7	0	0	20.93	123.745	21.97 or 11+10log(B) = 25.77	PASS
60	5300	6	17.6	17.6	0	0	20.83	121.068	21.97 or 11+10log(B) = 25.77	PASS
64	5320	6	16.3	16.2	0	0	19.46	88.212	21.97 or 11+10log(B) = 25.39	PASS
100	5500	6	13.9	13.9	0	0	17.13	51.645	21.97 or 11+10log(B) = 24.61	PASS
116	5580	6	17.7	17.4	0	0	20.77	119.311	21.97 or 11+10log(B) = 25.77	PASS
140	5700	6	8.48	8.41	0	0	11.66	14.640	21.97 or 11+10log(B) = 24.30	PASS
149	5745	6	17.5	17.4	0	0	20.68	116.840	27.98970004	PASS
157	5785	6	17.7	17.5	0	0	20.81	120.537	27.98970004	PASS
165	5825	6	17.8	17.7	0	0	20.97	125.042	27.98970004	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	11.01	12.609	23.98	PASS
44	5220	MCS0	11.00	12.580	23.98	PASS
48	5240	MCS0	10.94	12.408	23.98	PASS
52	5260	MCS0	17.93	62.042	23.98 or 11+10log(B) = 25.77	PASS
60	5300	MCS0	17.93	62.042	23.98 or 11+10log(B) = 25.77	PASS
64	5320	MCS0	16.58	45.466	23.98 or 11+10log(B) = 25.28	PASS
100	5500	MCS0	13.30	21.364	23.98 or 11+10log(B) = 24.65	PASS
116	5580	MCS0	17.92	61.899	23.98 or 11+10log(B) = 25.77	PASS
140	5700	MCS0	12.66	18.437	23.98 or 11+10log(B) = 24.64	PASS
149	5745	MCS0	17.93	62.042	30	PASS
157	5785	MCS0	17.99	62.905	30	PASS
165	5825	MCS0	18.30	67.559	30	PASS

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802.11n_HT20_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	10.65	11.606	23.98	PASS
44	5220	MCS0	10.68	11.687	23.98	PASS
48	5240	MCS0	10.88	12.237	23.98	PASS
52	5260	MCS0	17.88	61.332	23.98 or $11+10\log(B) = 25.77$	PASS
60	5300	MCS0	17.89	61.473	23.98 or $11+10\log(B) = 25.77$	PASS
64	5320	MCS0	16.53	44.945	23.98 or $11+10\log(B) = 25.23$	PASS
100	5500	MCS0	13.28	21.266	23.98 or $11+10\log(B) = 24.58$	PASS
116	5580	MCS0	17.63	57.901	23.98 or $11+10\log(B) = 25.77$	PASS
140	5700	MCS0	12.63	18.310	23.98 or $11+10\log(B) = 24.67$	PASS
149	5745	MCS0	17.72	59.113	30	PASS
157	5785	MCS0	17.81	60.351	30	PASS
165	5825	MCS0	17.85	60.909	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1	CH 2	CH 3				
36	5180	MCS8	10.6	10.2	0	0	13.80	23.977	21.96970004	PASS
44	5220	MCS8	10.7	10.1	0	0	13.81	24.059	21.96970004	PASS
48	5240	MCS8	10.4	10.3	0	0	13.72	23.565	21.96970004	PASS
52	5260	MCS8	17.6	17.5	0	0	20.92	123.515	21.97 or $11+10\log(B) = 25.77$	PASS
60	5300	MCS8	17.5	17.4	0	0	20.80	120.304	21.97 or $11+10\log(B) = 25.77$	PASS
64	5320	MCS8	16.1	16	0	0	19.38	86.645	21.97 or $11+10\log(B) = 25.23$	PASS
100	5500	MCS8	12.9	12.9	0	0	16.25	42.142	21.97 or $11+10\log(B) = 24.58$	PASS
116	5580	MCS8	17.6	17.2	0	0	20.77	119.401	21.97 or $11+10\log(B) = 25.77$	PASS
140	5700	MCS8	12.4	12.2	0	0	15.68	37.005	21.97 or $11+10\log(B) = 24.64$	PASS
149	5745	MCS8	17.4	17.2	0	0	20.64	115.957	27.98970004	PASS
157	5785	MCS8	17.6	17.4	0	0	20.88	122.581	27.98970004	PASS
165	5825	MCS8	17.9	17.7	0	0	21.15	130.259	27.98970004	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	11.21	13.222	23.98	PASS
46	5230	MCS0	11.17	13.101	23.98	PASS
54	5270	MCS0	18.41	69.392	23.98 or $11+10\log(B) = 27.99$	PASS
62	5310	MCS0	12.70	18.634	23.98 or $11+10\log(B) = 27.24$	PASS
102	5510	MCS0	12.37	17.271	23.98 or $11+10\log(B) = 27.25$	PASS
110	5550	MCS0	18.20	66.116	23.98 or $11+10\log(B) = 27.99$	PASS
134	5670	MCS0	12.97	19.829	23.98 or $11+10\log(B) = 27.94$	PASS
151	5755	MCS0	18.36	68.597	30	PASS
159	5795	MCS0	18.54	71.500	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	10.67	11.676	23.98	PASS
46	5230	MCS0	10.71	11.784	23.98	PASS
54	5270	MCS0	18.20	66.116	23.98 or $11+10\log(B) = 27.99$	PASS
62	5310	MCS0	12.65	18.421	23.98 or $11+10\log(B) = 27.21$	PASS
102	5510	MCS0	12.29	16.955	23.98 or $11+10\log(B) = 27.20$	PASS
110	5550	MCS0	18.17	65.661	23.98 or $11+10\log(B) = 27.99$	PASS
134	5670	MCS0	12.90	19.512	23.98 or $11+10\log(B) = 27.99$	PASS
151	5755	MCS0	18.27	67.190	23.98	PASS
159	5795	MCS0	18.38	68.914	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1	CH 2	CH 3				
38	5190	MCS8	10.1	9.53	0	0	13.59	22.844	21.96970004	PASS
46	5230	MCS8	10.3	9.59	0	0	13.70	23.420	21.96970004	PASS
54	5270	MCS8	17.5	17.3	0	0	21.16	130.741	21.97 or $11+10\log(B) = 27.99$	PASS
62	5310	MCS8	11.7	11.7	0	0	15.44	35.022	21.97 or $11+10\log(B) = 27.21$	PASS
102	5510	MCS8	11.5	11.4	0	0	15.20	33.101	21.97 or $11+10\log(B) = 27.20$	PASS
110	5550	MCS8	17.4	17.3	0	0	21.07	128.046	21.97 or $11+10\log(B) = 27.99$	PASS
134	5670	MCS8	12.2	12	0	0	15.83	38.275	21.97 or $11+10\log(B) = 27.94$	PASS
151	5755	MCS8	17.4	17.3	0	0	21.07	127.900	27.98970004	PASS
159	5795	MCS8	17.5	17.5	0	0	21.27	133.918	27.98970004	PASS

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802.11ac VHT80 Ch0

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	10.81	12.044	23.98	PASS
58	5290	MCS0	6.63	4.600	23.98 or $11+10\log(B) = 30.26$	PASS
106	5530	MCS0	10.24	10.563	23.98 or $11+10\log(B) = 30.26$	PASS
122	5610	MCS0	18.00	63.065	23.98 or $11+10\log(B) = 31.00$	PASS
155	5775	MCS0	17.59	57.383	30	PASS

802.11ac VHT80 Ch1

CH	Frequency (MHz)	Data Rate	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	10.31	10.735	23.98	PASS
58	5290	MCS0	6.60	4.569	23.98 or $11+10\log(B) = 30.25$	PASS
106	5530	MCS0	10.10	10.228	23.98 or $11+10\log(B) = 30.27$	PASS
122	5610	MCS0	17.81	60.365	23.98 or $11+10\log(B) = 31.00$	PASS
155	5775	MCS0	17.42	55.180	23.98	PASS

802.11ac VHT80 MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1	CH 2	CH 3				
42	5210	MCS0	9.2	9.77	0	0	13.21	20.953	21.96970004	PASS
58	5290	MCS0	5.49	5.58	0	0	9.25	8.421	21.97 or $11+10\log(B) = 30.25$	PASS
106	5530	MCS0	9.21	9.18	0	0	12.91	19.558	21.97 or $11+10\log(B) = 30.26$	PASS
122	5610	MCS0	17	16.7	0	0	20.56	113.782	21.97 or $11+10\log(B) = 31.00$	PASS
155	5775	MCS0	16.5	16.2	0	0	20.05	101.273	27.98970004	PASS

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Conducted output power (IC)

802.11a Ch0

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.87	61.235	23.98 or 11+10log(B) = 23.89	PASS
60	5300	17.80	60.255	23.98 or 11+10log(B) = 23.76	PASS
64	5320	16.45	44.157	23.98 or 11+10log(B) = 23.29	PASS
100	5500	14.10	25.704	23.98 or 11+10log(B) = 23.26	PASS
116	5580	17.81	60.394	23.98 or 11+10log(B) = 23.75	PASS
140	5700	8.71	7.430	23.98 or 11+10log(B) = 23.25	PASS
149	5745	17.71	59.020	30	PASS
157	5785	17.92	61.944	30	PASS
165	5825	18.11	64.714	30	PASS

802.11a Ch1

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.81	60.394	23.98 or 11+10log(B) = 23.83	PASS
60	5300	17.77	59.841	23.98 or 11+10log(B) = 23.82	PASS
64	5320	16.33	42.953	23.98 or 11+10log(B) = 23.30	PASS
100	5500	13.82	24.099	23.98 or 11+10log(B) = 23.26	PASS
116	5580	17.59	57.411	23.98 or 11+10log(B) = 23.74	PASS
140	5700	8.56	7.178	23.98 or 11+10log(B) = 23.25	PASS
149	5745	17.60	57.544	30	PASS
157	5785	17.65	58.210	30	PASS
165	5825	17.90	61.659	30	PASS

802.11a 2Tx

CH	Frequency (MHz)	AVERAGE POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1	CH 2	CH 3				
52	5260	17.7	17.7	0	0	20.93	123.745	21.97 or 11+10log(B) = 23.83	PASS
60	5300	17.6	17.6	0	0	20.83	121.068	21.97 or 11+10log(B) = 23.76	PASS
64	5320	16.3	16.2	0	0	19.46	88.212	21.97 or 11+10log(B) = 23.29	PASS
100	5500	13.9	13.9	0	0	17.13	51.645	21.97 or 11+10log(B) = 23.26	PASS
116	5580	17.7	17.4	0	0	20.77	119.311	21.97 or 11+10log(B) = 23.74	PASS
140	5700	8.48	8.41	0	0	11.66	14.640	21.97 or 11+10log(B) = 23.25	PASS
149	5745	17.5	17.4	0	0	20.68	116.840	27.98970004	PASS
157	5785	17.7	17.5	0	0	20.81	120.537	27.98970004	PASS
165	5825	17.8	17.7	0	0	20.97	125.042	27.98970004	PASS

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802.11n HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.93	62.042	23.98 or 11+10log(B) = 23.94	PASS
60	5300	17.93	62.042	23.98 or 11+10log(B) = 23.82	PASS
64	5320	16.58	45.466	23.98 or 11+10log(B) = 23.56	PASS
100	5500	13.30	21.364	23.98 or 11+10log(B) = 23.56	PASS
116	5580	17.92	61.899	23.98 or 11+10log(B) = 23.81	PASS
140	5700	12.66	18.437	23.98 or 11+10log(B) = 23.55	PASS
149	5745	17.93	62.042	30	PASS
157	5785	17.99	62.905	30	PASS
165	5825	18.30	67.559	30	PASS

802.11n HT20_Ch1

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.88	61.332	23.98 or 11+10log(B) = 23.93	PASS
60	5300	17.89	61.473	23.98 or 11+10log(B) = 23.85	PASS
64	5320	16.53	44.945	23.98 or 11+10log(B) = 23.57	PASS
100	5500	13.28	21.266	23.98 or 11+10log(B) = 23.56	PASS
116	5580	17.63	57.901	23.98 or 11+10log(B) = 23.83	PASS
140	5700	12.63	18.310	23.98 or 11+10log(B) = 23.55	PASS
149	5745	17.72	59.113	30	PASS
157	5785	17.81	60.351	30	PASS
165	5825	17.85	60.909	30	PASS

802.11n HT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1	CH 2	CH 3				
52	5260	17.6	17.5	0	0	20.92	123.515	21.97 or 11+10log(B) = 23.93	PASS
60	5300	17.5	17.4	0	0	20.80	120.304	21.97 or 11+10log(B) = 23.82	PASS
64	5320	16.1	16	0	0	19.38	86.645	21.97 or 11+10log(B) = 23.56	PASS
100	5500	12.9	12.9	0	0	16.25	42.142	21.97 or 11+10log(B) = 23.56	PASS
116	5580	17.6	17.2	0	0	20.77	119.401	21.97 or 11+10log(B) = 23.81	PASS
140	5700	12.4	12.2	0	0	15.68	37.005	21.97 or 11+10log(B) = 23.55	PASS
149	5745	17.4	17.2	0	0	20.64	115.957	27.98970004	PASS
157	5785	17.6	17.4	0	0	20.88	122.581	27.98970004	PASS
165	5825	17.9	17.7	0	0	21.15	130.259	27.98970004	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	18.41	69.392	23.98 or 11+10log(B) = 26.77	PASS
62	5310	12.70	18.634	23.98 or 11+10log(B) = 26.60	PASS
102	5510	12.37	17.271	23.98 or 11+10log(B) = 26.60	PASS
110	5550	18.20	66.116	23.98 or 11+10log(B) = 26.67	PASS
134	5670	12.97	19.829	23.98 or 11+10log(B) = 26.60	PASS
151	5755	18.36	68.597	30	PASS
159	5795	18.54	71.500	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	18.20	66.116	23.98 or 11+10log(B) = 26.77	PASS
62	5310	12.65	18.421	23.98 or 11+10log(B) = 26.60	PASS
102	5510	12.29	16.955	23.98 or 11+10log(B) = 26.59	PASS
110	5550	18.17	65.661	23.98 or 11+10log(B) = 26.67	PASS
134	5670	12.90	19.512	23.98 or 11+10log(B) = 26.60	PASS
151	5755	18.27	67.190	30	PASS
159	5795	18.38	68.914	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1	CH 2	CH 3				
54	5270	17.5	17.3	0	0	21.16	130.741	21.97 or 11+10log(B) = 26.77	PASS
62	5310	11.7	11.7	0	0	15.44	35.022	21.97 or 11+10log(B) = 26.60	PASS
102	5510	11.5	11.4	0	0	15.20	33.101	21.97 or 11+10log(B) = 26.59	PASS
110	5550	17.4	17.3	0	0	21.07	128.046	21.97 or 11+10log(B) = 26.67	PASS
134	5670	12.2	12	0	0	15.83	38.275	21.97 or 11+10log(B) = 26.60	PASS
151	5755	17.4	17.3	0	0	21.07	127.900	27.98970004	PASS
159	5795	17.5	17.5	0	0	21.27	133.918	27.98970004	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	6.63	4.600	23.98 or 11+10log(B) = 29.79	PASS
106	5530	10.24	10.563	23.98 or 11+10log(B) = 29.79	PASS
122	5610	18.00	63.065	23.98 or 11+11log(B) = 29.83	PASS
155	5775	17.59	57.383	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	6.60	4.569	23.98 or 11+10log(B) = 29.79	PASS
106	5530	10.10	10.228	23.98 or 11+10log(B) = 29.79	PASS
122	5610	17.81	60.365	23.98 or 11+10log(B) = 29.83	PASS
155	5775	17.42	55.180	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)				TOTAL POWER + TOLERANCE (dBm)	TOTAL POWER + TOLERANCE (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1	CH 2	CH 3				
58	5290	5.49	5.58	0	0	9.25	8.421	21.97 or 11+10log(B) = 29.79	PASS
106	5530	9.21	9.18	0	0	12.91	19.558	21.97 or 11+10log(B) = 29.79	PASS
122	5610	17	16.7	0	0	20.56	113.782	21.97 or 11+10log(B) = 29.83	PASS
155	5775	16.5	16.2	0	0	20.05	101.273	27.98970004	PASS

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EIRP

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.91	5.000	15.91	38.994	23.01 or 10+10log(B)= 22.24	PASS
44	5220	10.94	5.000	15.94	39.264	23.01 or 10+10log(B)= 22.26	PASS
48	5240	10.86	5.000	15.86	38.548	23.01 or 10+10log(B)= 22.25	PASS
52	5260	17.87	5.000	22.87	193.641	30 or 17+10log(B)= 29.89	PASS
60	5300	17.80	5.000	22.80	190.545	30 or 17+10log(B)= 29.76	PASS
64	5320	16.45	5.000	21.45	139.636	30 or 17+10log(B)= 29.29	PASS
100	5500	14.10	5.000	19.10	81.282	30 or 17+10log(B)= 29.26	PASS
116	5580	17.81	5.000	22.81	190.984	30 or 17+10log(B)= 29.75	PASS
140	5700	8.71	5.000	13.71	23.496	30 or 17+10log(B)= 29.25	PASS

802.11a_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.49	5.000	15.49	35.399	23.01 or 10+10log(B)= 22.21	PASS
44	5220	10.50	5.000	15.50	35.481	23.01 or 10+10log(B)= 22.21	PASS
48	5240	10.80	5.000	15.80	38.019	23.01 or 10+10log(B)= 22.21	PASS
52	5260	17.81	5.000	22.81	190.984	30 or 17+10log(B)= 29.83	PASS
60	5300	17.77	5.000	22.77	189.233	30 or 17+10log(B)= 29.82	PASS
64	5320	16.33	5.000	21.33	135.830	30 or 17+10log(B)= 29.30	PASS
100	5500	13.82	5.000	18.82	76.207	30 or 17+10log(B)= 29.26	PASS
116	5580	17.59	5.000	22.59	181.550	30 or 17+10log(B)= 29.74	PASS
140	5700	8.56	5.000	13.56	22.698	30 or 17+10log(B)= 29.25	PASS

802.11a_2Tx

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	13.90	8.010	21.91	155.155	23.01 or 10+10log(B)= 22.21	PASS
44	5220	13.95	8.010	21.96	157.150	23.01 or 10+10log(B)= 22.21	PASS
48	5240	13.91	8.010	21.92	155.443	23.01 or 10+10log(B)= 22.21	PASS
52	5260	20.93	8.010	28.94	782.635	30 or 17+10log(B)= 29.83	PASS
60	5300	20.83	8.010	28.84	765.698	30 or 17+10log(B)= 29.76	PASS
64	5320	19.46	8.010	27.47	557.901	30 or 17+10log(B)= 29.29	PASS
100	5500	17.13	8.010	25.14	326.631	30 or 17+10log(B)= 29.26	PASS
116	5580	20.77	8.010	28.78	754.586	30 or 17+10log(B)= 29.74	PASS
140	5700	11.66	8.010	19.67	92.591	30 or 17+10log(B)= 29.25	PASS

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802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	11.01	5.000	16.01	39.874	23.01 or 10+10log(B)= 22.54	PASS
44	5220	11.00	5.000	16.00	39.782	23.01 or 10+10log(B)= 22.56	PASS
48	5240	10.94	5.000	15.94	39.236	23.01 or 10+10log(B)= 22.54	PASS
52	5260	17.93	5.000	22.93	196.193	30 or 17+10log(B)= 29.94	PASS
60	5300	17.93	5.000	22.93	196.193	30 or 17+10log(B)= 29.82	PASS
64	5320	16.58	5.000	21.58	143.775	30 or 17+10log(B)= 29.56	PASS
100	5500	13.30	5.000	18.30	67.559	30 or 17+10log(B)= 29.56	PASS
116	5580	17.92	5.000	22.92	195.742	30 or 17+10log(B)= 29.81	PASS
140	5700	12.66	5.000	17.66	58.302	30 or 17+10log(B)= 29.55	PASS

802.11n_HT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.65	5.000	15.65	36.702	23.01 or 10+10log(B)= 22.56	PASS
44	5220	10.68	5.000	15.68	36.956	23.01 or 10+10log(B)= 22.55	PASS
48	5240	10.88	5.000	15.88	38.698	23.01 or 10+10log(B)= 22.55	PASS
52	5260	17.88	5.000	22.88	193.948	30 or 17+10log(B)= 29.93	PASS
60	5300	17.89	5.000	22.89	194.395	30 or 17+10log(B)= 29.85	PASS
64	5320	16.53	5.000	21.53	142.130	30 or 17+10log(B)= 29.57	PASS
100	5500	13.28	5.000	18.28	67.249	30 or 17+10log(B)= 29.56	PASS
116	5580	17.63	5.000	22.63	183.098	30 or 17+10log(B)= 29.83	PASS
140	5700	12.63	5.000	17.63	57.901	30 or 17+10log(B)= 29.55	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	13.80	8.010	21.81	151.645	23.01 or 10+10log(B)= 22.54	PASS
44	5220	13.81	8.010	21.82	152.165	23.01 or 10+10log(B)= 22.55	PASS
48	5240	13.72	8.010	21.73	149.037	23.01 or 10+10log(B)= 22.54	PASS
52	5260	20.92	8.010	28.93	781.176	30 or 17+10log(B)= 29.93	PASS
60	5300	20.80	8.010	28.81	760.868	30 or 17+10log(B)= 29.82	PASS
64	5320	19.38	8.010	27.39	547.991	30 or 17+10log(B)= 29.56	PASS
100	5500	16.25	8.010	24.26	266.530	30 or 17+10log(B)= 29.56	PASS
116	5580	20.77	8.010	28.78	755.160	30 or 17+10log(B)= 29.81	PASS
140	5700	15.68	8.010	23.69	234.042	30 or 17+10log(B)= 29.55	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	11.21	5.000	16.21	41.813	23.01 or 10+10log(B)= 25.60	PASS
46	5230	11.17	5.000	16.17	41.429	23.01 or 10+10log(B)= 25.60	PASS
54	5270	18.41	5.000	23.41	219.436	30 or 17+10log(B)= 32.77	PASS
62	5310	12.70	5.000	17.70	58.926	30 or 17+10log(B)= 32.60	PASS
102	5510	12.37	5.000	17.37	54.614	30 or 17+10log(B)= 32.60	PASS
110	5550	18.20	5.000	23.20	209.077	30 or 17+10log(B)= 32.67	PASS
134	5670	12.97	5.000	17.97	62.706	30 or 17+10log(B)= 32.60	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	10.67	5.000	15.67	36.924	23.01 or 10+10log(B)= 25.60	PASS
46	5230	10.71	5.000	15.71	37.266	23.01 or 10+10log(B)= 25.60	PASS
54	5270	18.20	5.000	23.20	209.077	30 or 17+10log(B)= 32.77	PASS
62	5310	12.65	5.000	17.65	58.252	30 or 17+10log(B)= 32.60	PASS
102	5510	12.29	5.000	17.29	53.618	30 or 17+10log(B)= 32.59	PASS
110	5550	18.17	5.000	23.17	207.638	30 or 17+10log(B)= 32.67	PASS
134	5670	12.90	5.000	17.90	61.703	30 or 17+10log(B)= 32.60	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	13.59	8.010	21.60	144.478	23.01 or 10+10log(B)= 25.60	PASS
46	5230	13.70	8.010	21.71	148.122	23.01 or 10+10log(B)= 25.60	PASS
54	5270	21.16	8.010	29.17	826.877	30 or 17+10log(B)= 32.77	PASS
62	5310	15.44	8.010	23.45	221.497	30 or 17+10log(B)= 32.60	PASS
102	5510	15.20	8.010	23.21	209.349	30 or 17+10log(B)= 32.59	PASS
110	5550	21.07	8.010	29.08	809.834	30 or 17+10log(B)= 32.67	PASS
134	5670	15.83	8.010	23.84	242.075	30 or 17+10log(B)= 32.60	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	10.81	5.000	15.81	38.088	23.01 or 10+10log(B)= 28.79	PASS
58	5290	6.63	5.000	11.63	14.547	30 or 17+10log(B)= 35.79	PASS
106	5530	10.24	5.000	15.24	33.403	30 or 17+10log(B)= 35.79	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	10.31	5.000	15.31	33.946	23.01 or 10+10log(B)= 28.79	PASS
58	5290	6.60	5.000	11.60	14.447	30 or 17+10log(B)= 35.79	PASS
106	5530	10.10	5.000	15.10	32.343	30 or 17+10log(B)= 35.79	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	13.21	8.010	21.22	132.520	23.01 or 10+10log(B)= 28.79	PASS
58	5290	9.25	8.010	17.26	53.256	30 or 17+10log(B)= 35.79	PASS
106	5530	12.91	8.010	20.92	123.694	30 or 17+10log(B)= 35.79	PASS

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10 MAXIMUM POWER SPECTRAL DENSITY

10.1 Standard Applicable

FCC

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

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

ISED

OPERZTION 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

For equipment operating in the band **5725-5850** MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum 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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Note:

As per FCC KDB 662911 D01

a) Basic methodology with NANT transmit antennas, each with the same directional gain GANT dBi, being driven by NANT transmitter outputs of equal power. Directional gain is to be computed as follows:

If any transmit signals are correlated with each other,

i. Directional gain = $GANT + 10 \log(NANT)$ dBi

The antenna gain is greater than 6 dBi in MIMO mode, therefore the limit needs to be reduced as below

Frequency(MHz)	Effective Legacy Gain (dBi)	Conducted Power Limit (dBm)
UNII 1 5150-5250MHz	8.01	21.97
UNII 2 5250-5350MHz	8.01	21.97
UNII 2 5470-5725MHz	8.01	21.97
UNII 3 5725-5825MHz	8.01	27.99

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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.

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

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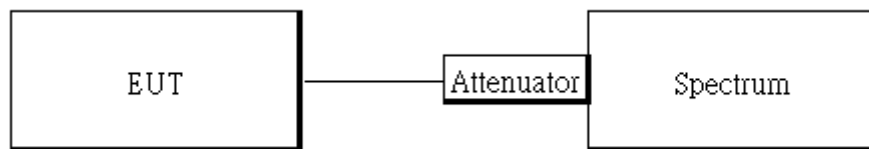
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10.3 Measurement Equipment Used

SGS Conducted Room					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	05/03/2018	05/02/2019
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2018	01/01/2019
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2018	01/01/2019
Coaxial Cables	N/A	WK CE Cable	N/A	01/02/2018	01/01/2019
Power Meter	Anritsu	ML2496A	1804001	02/01/2018	01/31/2019
Power Sensor	Anritsu	MA2411B	1726104	02/01/2018	01/31/2019
Power Sensor	Anritsu	MA2411B	1726107	02/01/2018	01/31/2019

10.4 Test Set-up



10.5 Measurement Result

POWER DENSITY 802.11a MODE						
Frequency (MHz)	PPSD W/O Duty Factor (dBm)	Offset	Duty Factor	PPSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5180	0.25	14.01	0.20	0.45	8.99	-8.54
5220	0.32	14.01	0.20	0.52	8.99	-8.47
5240	0.08	14.01	0.20	0.28	8.99	-8.71
5260	6.87	14.01	0.20	7.07	8.99	-1.92
5300	7.24	14.01	0.20	7.44	8.99	-1.55
5320	4.90	14.01	0.20	5.10	8.99	-3.89
5500	3.05	14.01	0.20	3.25	8.99	-5.74
5580	7.18	14.01	0.20	7.38	8.99	-1.61
5700	-3.11	14.01	0.20	-2.91	8.99	-11.90
5745	15.51	14.01	-	15.51	27.99	-12.48
5785	14.96	14.01	-	14.96	27.99	-13.03
5825	14.70	14.01	-	14.70	27.99	-13.29

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POWER DENSITY 802.11n HT20 MODE						
Frequency (MHz)	PPSD W/O Duty Factor (dBm)	Offset	Duty Factor	PPSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5180	-1.71	14.01	0.37	-1.34	8.9897	-10.33
5220	-2.91	14.01	0.37	-2.54	8.9897	-11.53
5240	-1.52	14.01	0.37	-1.15	8.9897	-10.14
5260	4.37	14.01	0.37	4.74	8.9897	-4.25
5300	4.84	14.01	0.37	5.21	8.9897	-3.78
5320	3.87	14.01	0.37	4.24	8.9897	-4.75
5500	-1.22	14.01	0.37	-0.85	8.9897	-9.84
5580	3.74	14.01	0.37	4.11	8.9897	-4.88
5700	-1.61	14.01	0.37	-1.24	8.9897	-10.23
5745	14.70	14.01	-	14.70	27.99	-13.29
5785	13.93	14.01	-	13.93	27.99	-14.06
5825	14.40	14.01	-	14.40	27.99	-13.59

POWER DENSITY 802.11n HT40 MODE						
Frequency (MHz)	PPSD W/O Duty Factor (dBm)	Offset	Duty Factor	PPSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5190	-7.89	14.01	0.75	-7.14	8.9897	-16.13
5230	-8.22	14.01	0.75	-7.47	8.9897	-16.46
5270	-0.88	14.01	0.75	-0.13	8.9897	-9.12
5310	-7.78	14.01	0.75	-7.03	8.9897	-16.02
5510	-7.17	14.01	0.75	-6.42	8.9897	-15.41
5550	-1.75	14.01	0.75	-1.00	8.9897	-9.99
5670	-7.49	14.01	0.75	-6.74	8.9897	-15.73
5755	12.04	14.01	-	12.04	27.99	-15.95
5795	11.82	14.01	-	11.82	27.99	-16.17

POWER DENSITY 802.11ac VHT80 MODE						
Frequency (MHz)	PPSD W/O Duty Factor (dBm)	Offset	Duty Factor	PPSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5210	-14.02	14.01	0.71	-13.31	8.9897	-22.30
5290	-18.38	14.01	0.71	-17.67	8.9897	-26.66
5530	-13.72	14.01	0.71	-13.01	8.9897	-22.00
5610	-8.43	14.01	0.71	-7.72	8.9897	-16.71
5775	8.36	14.01	-	8.36	27.99	-19.63

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EIRP spectral density 802.11a MODE						EIRP spectral density 802.11n HT20 MODE					
Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)	Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5180	0.45	8.01	8.46	10	-1.54	5180	-1.34	8.01	6.67	10	-3.33
5220	0.52	8.01	8.53	10	-1.47	5220	-2.54	8.01	5.47	10	-4.53
5240	0.28	8.01	8.29	10	-1.71	5240	-1.15	8.01	6.86	10	-3.14

EIRP spectral density 802.11n HT40 MODE						EIRP spectral density 802.11ac VHT80 MODE					
Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)	Freq. (MHz)	PPSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5180	-7.14	8.01	0.87	10	-9.13	5210	-13.31	8.01	-5.30	10	-15.30
5220	-7.47	8.01	0.54	10	-9.46						

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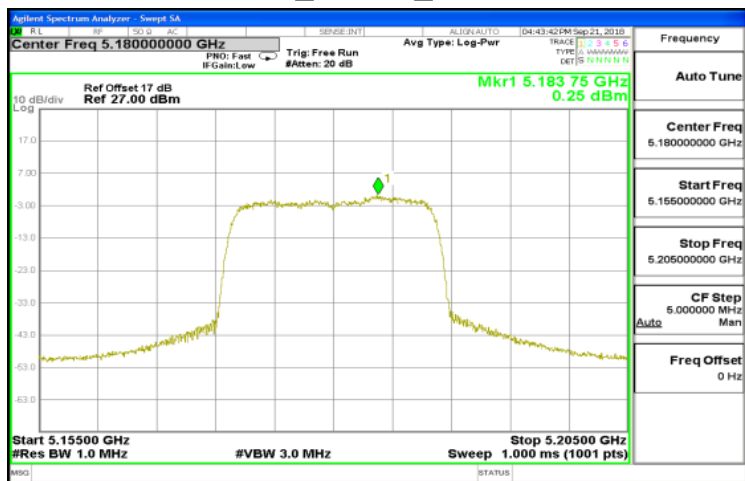
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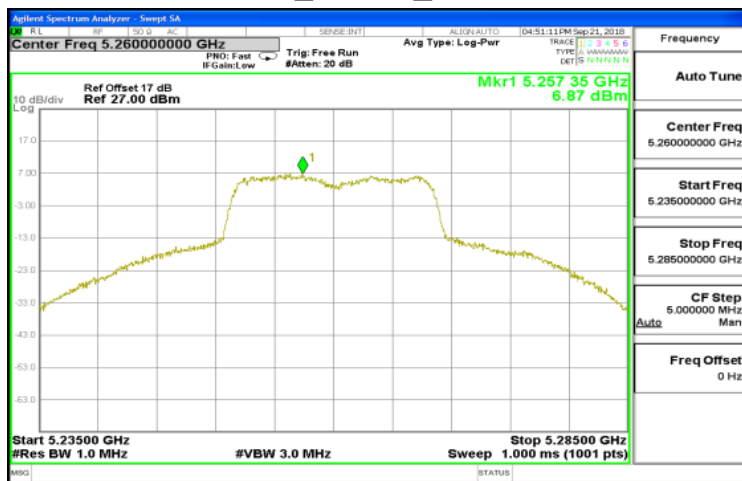
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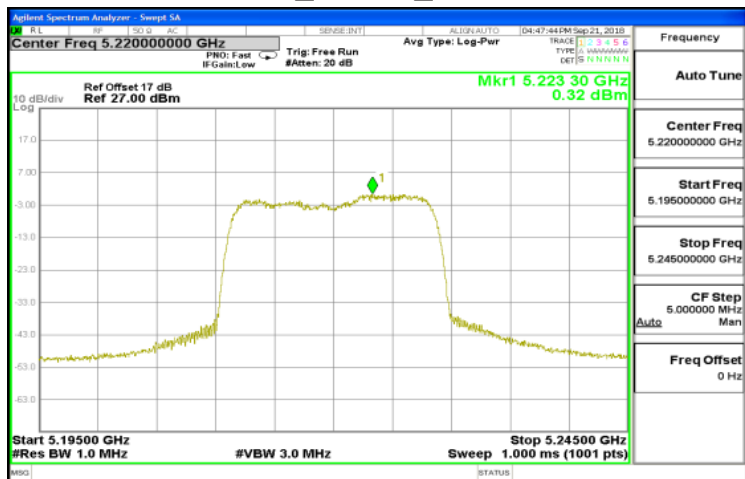
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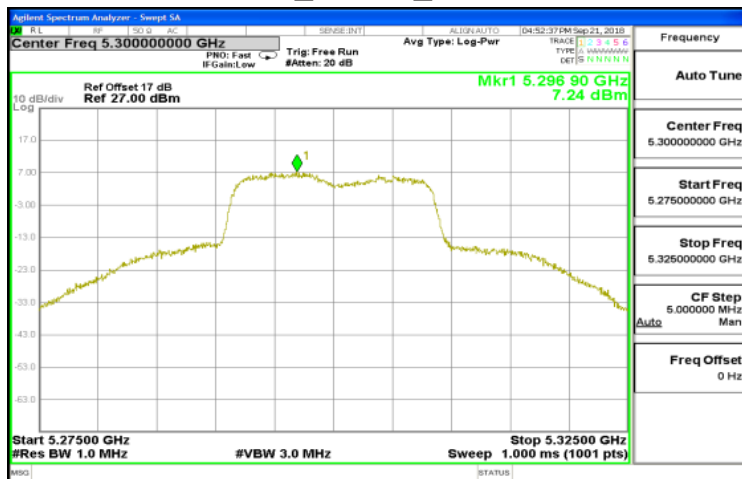
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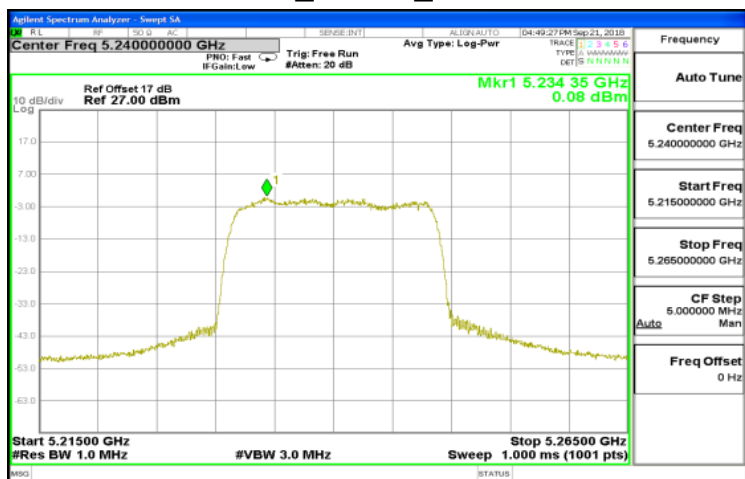
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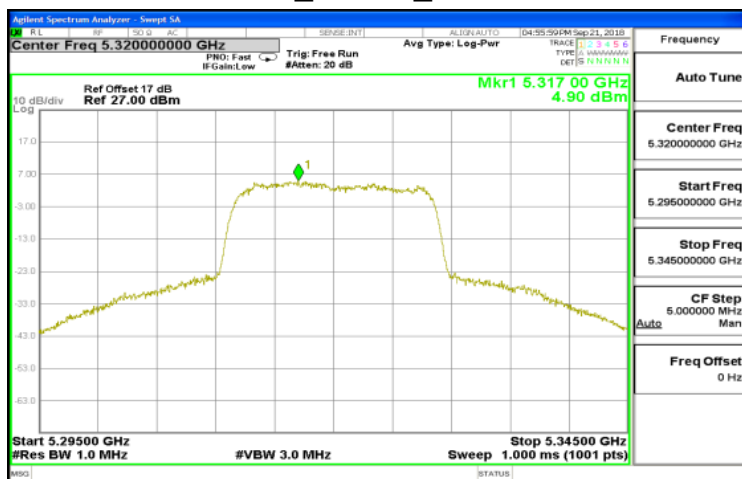
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802.11a_20MHz_5240MHz



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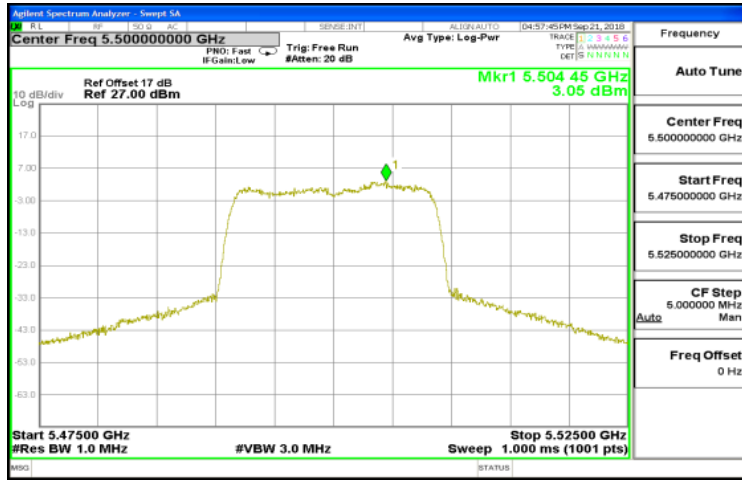


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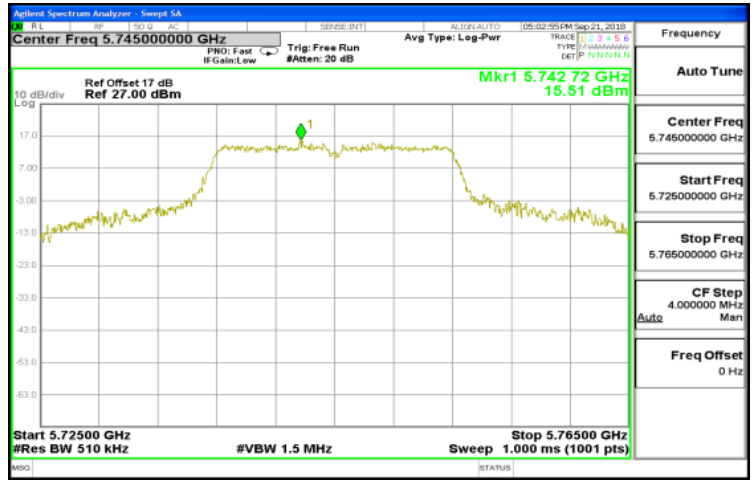
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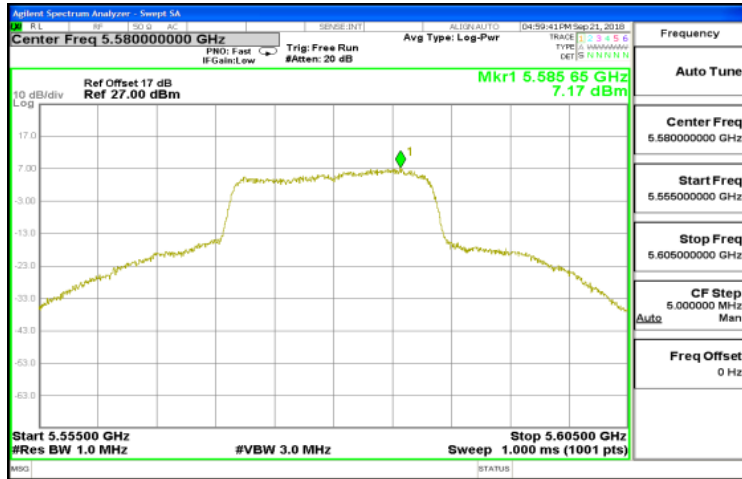
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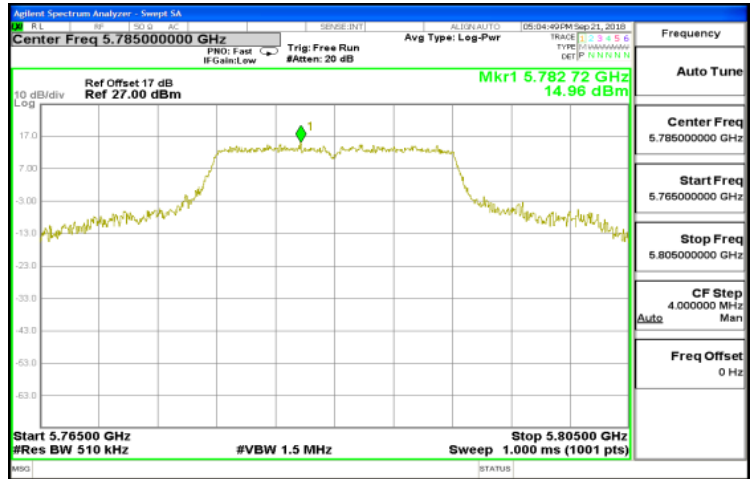
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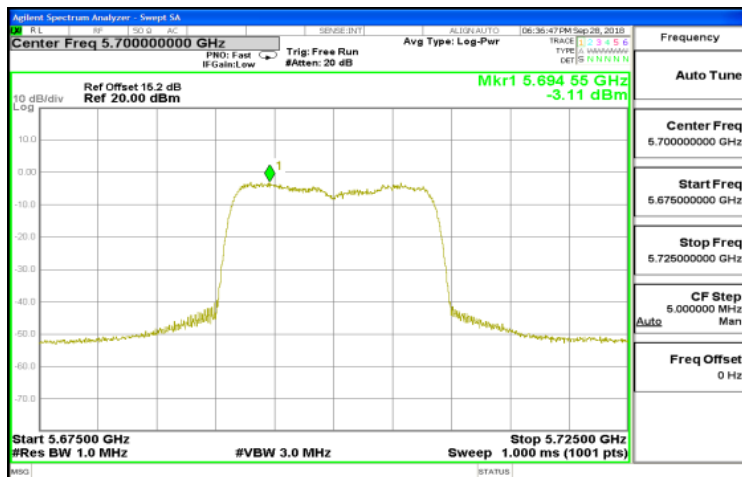
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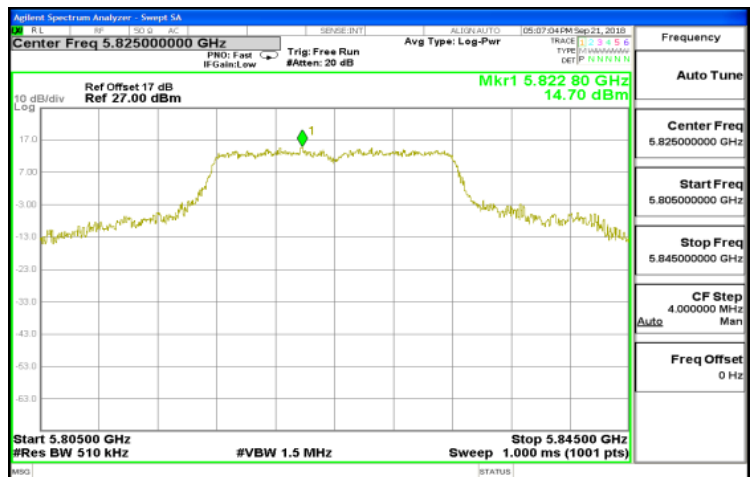
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802.11a_20MHz_5700MHz



802.11a_20MHz_5825MHz

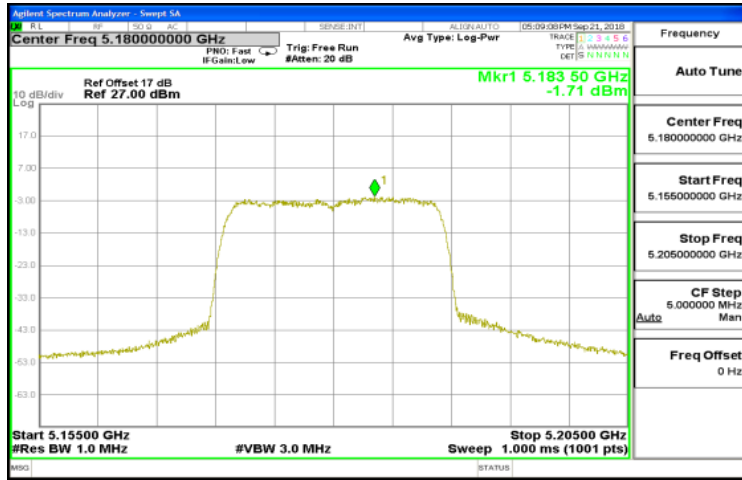


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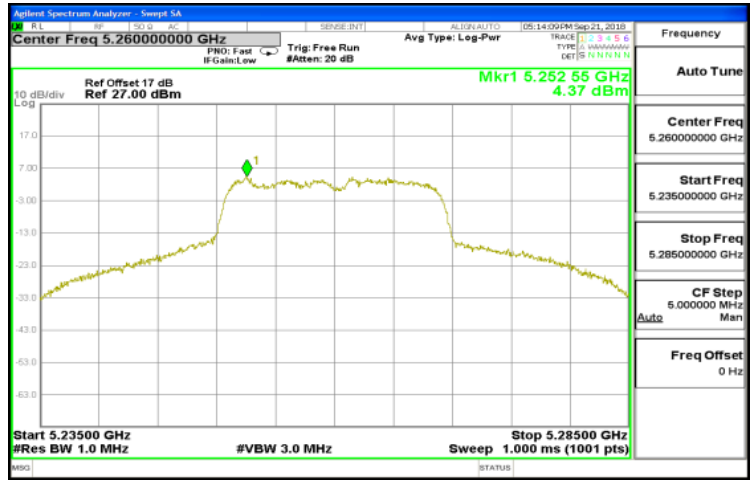
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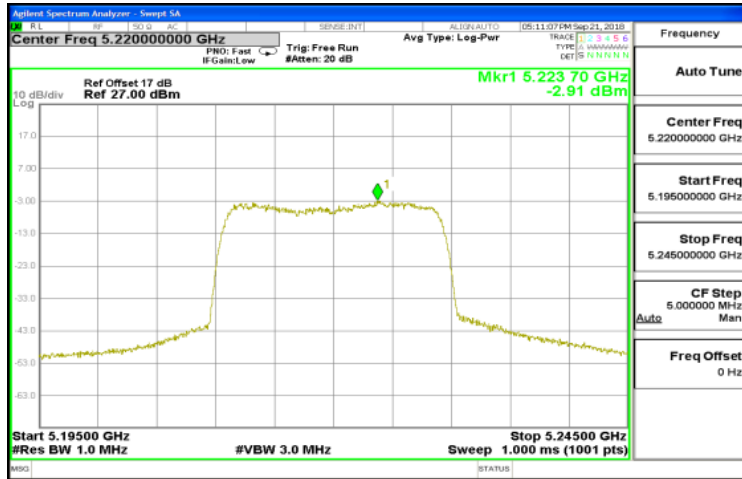
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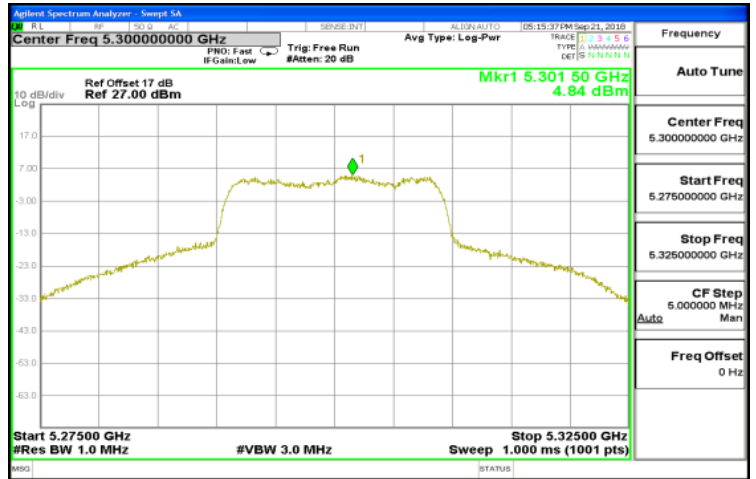
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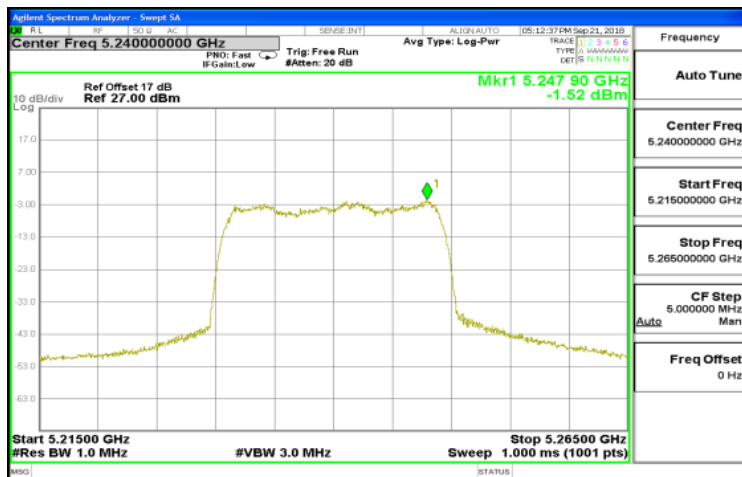
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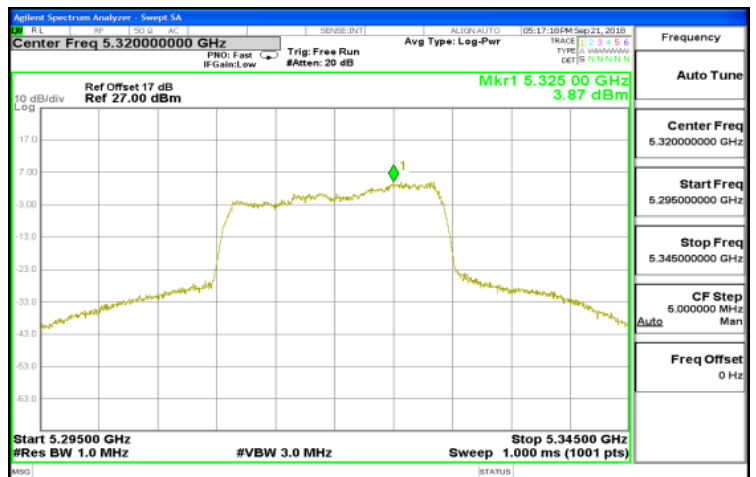
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802.11n_20MHz_5240MHz



802.11n_20MHz_5320MHz

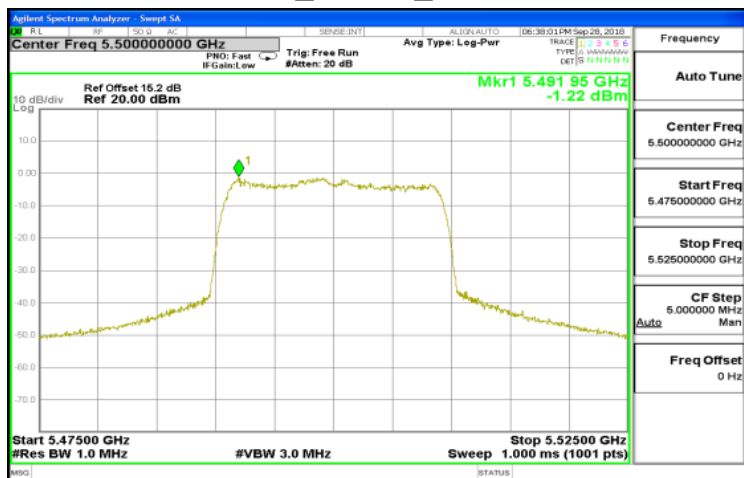


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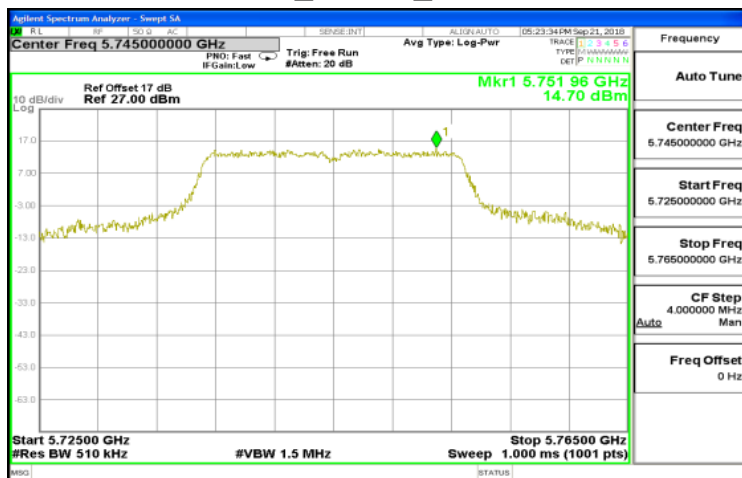
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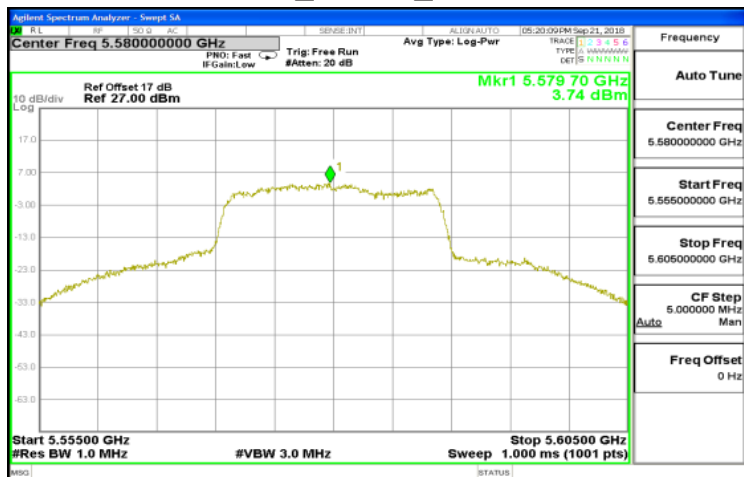
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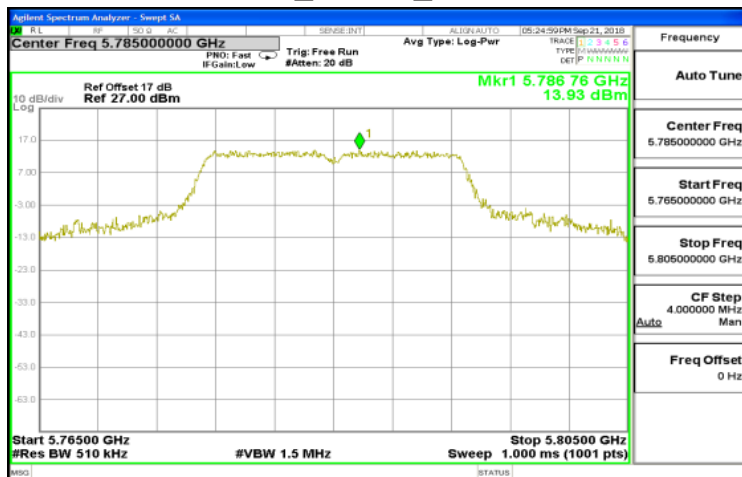
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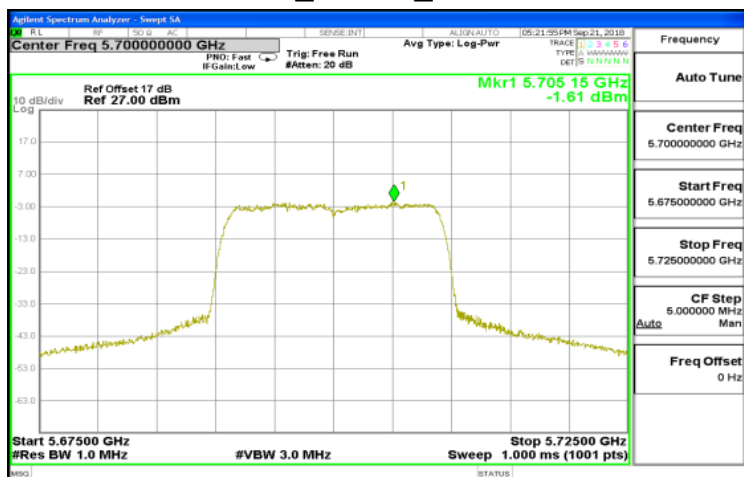
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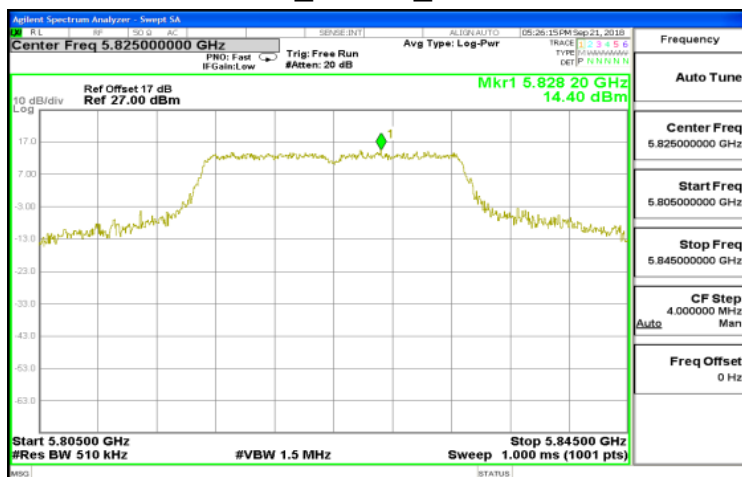
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802.11n_20MHz_5700MHz



802.11n_20MHz_5825MHz

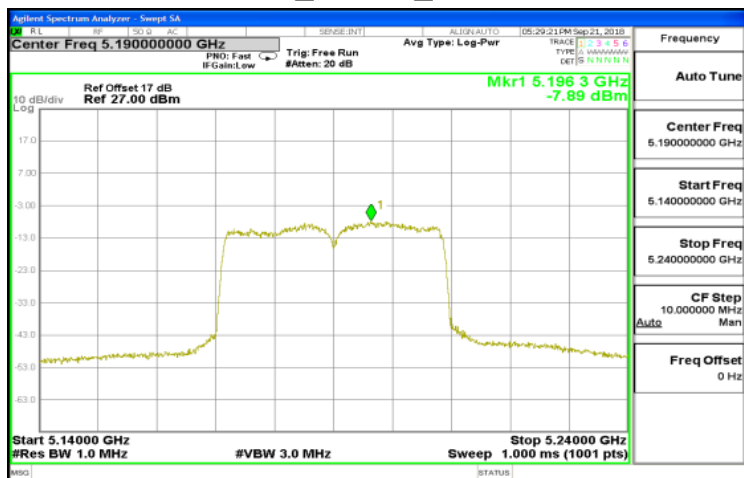


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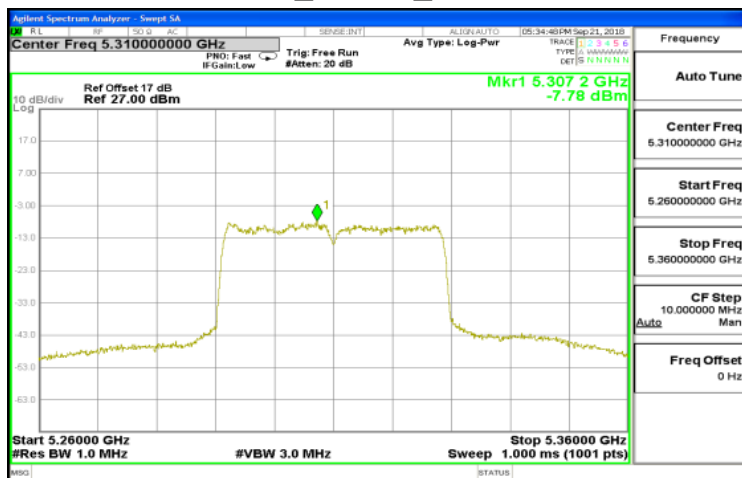
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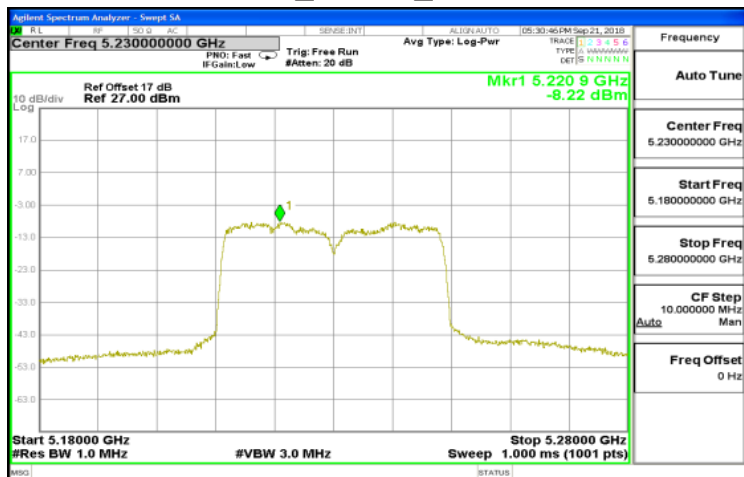
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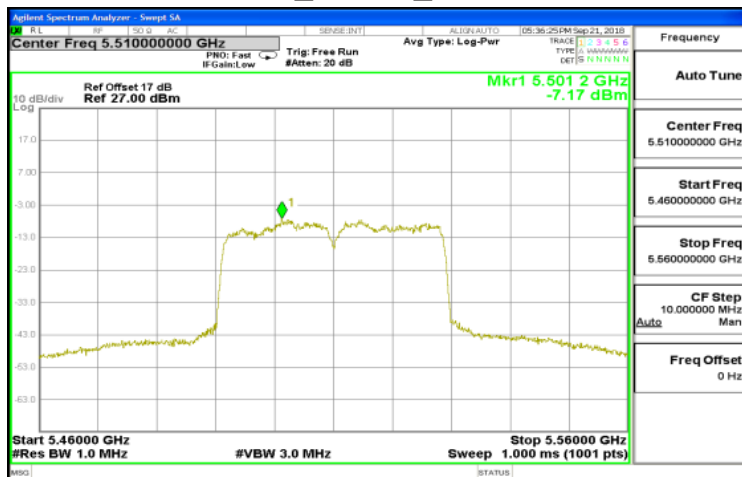
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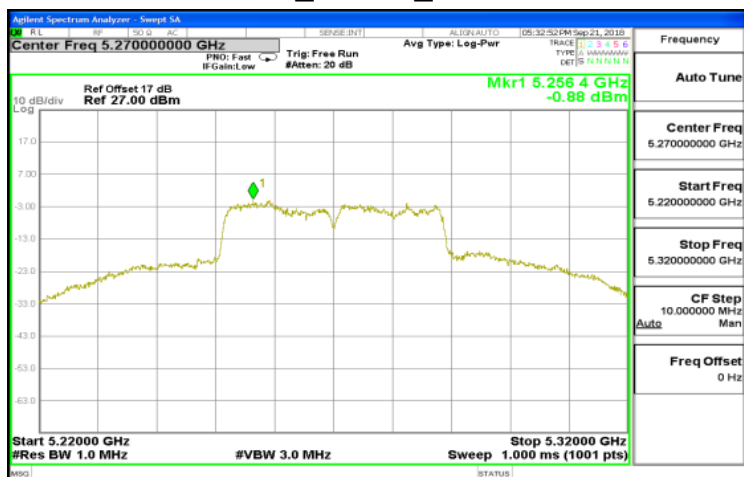
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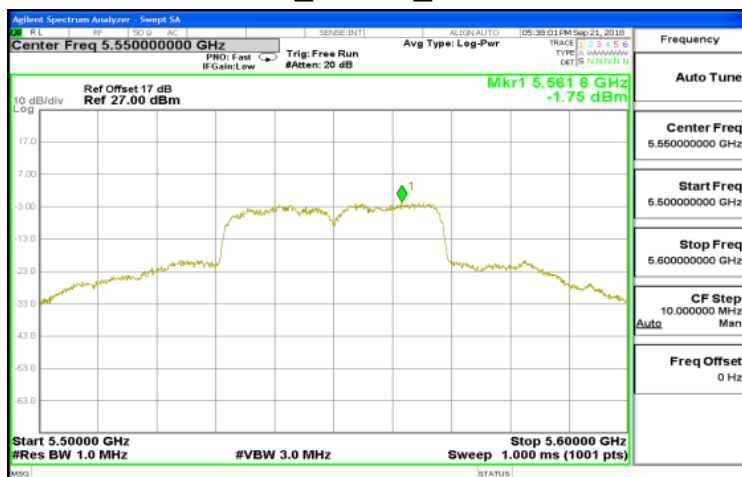
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802.11n_40MHz_5270MHz



802.11n_40MHz_5550MHz

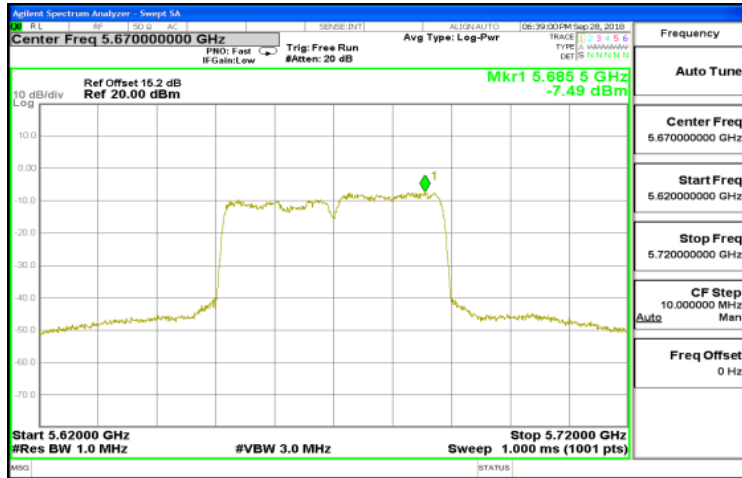


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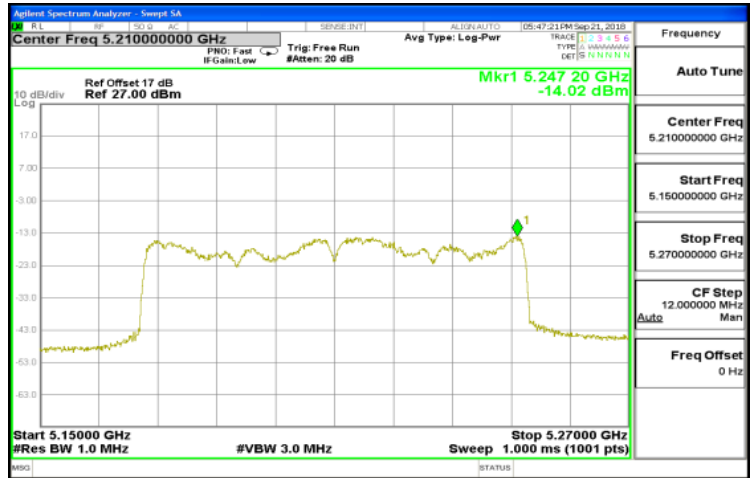
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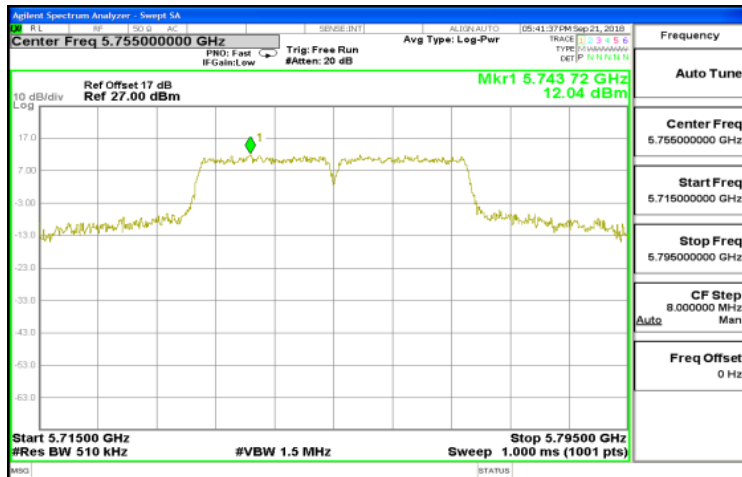
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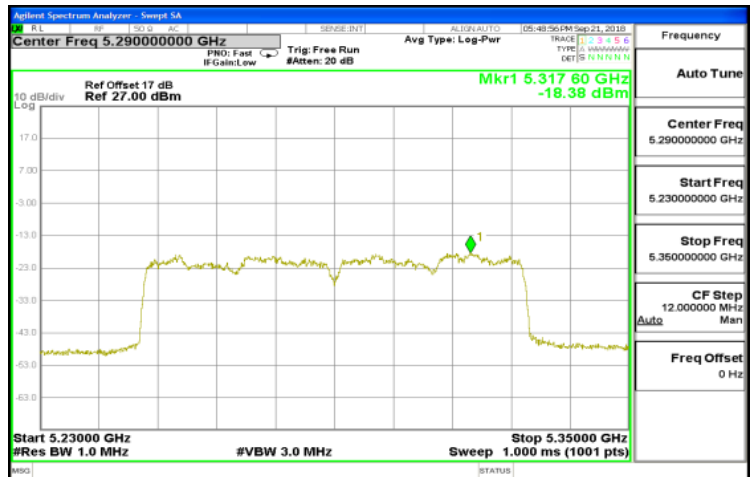
802.11ac_80MHz_5210MHz



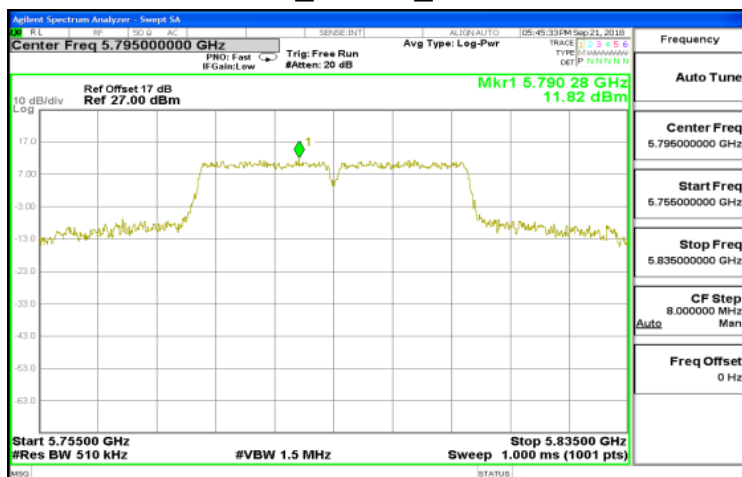
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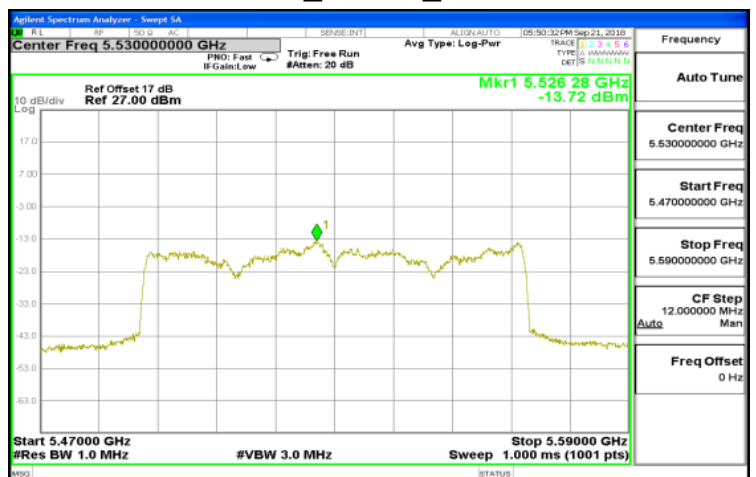
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802.11n_40MHz_5795MHz



802.11ac_80MHz_5530MHz

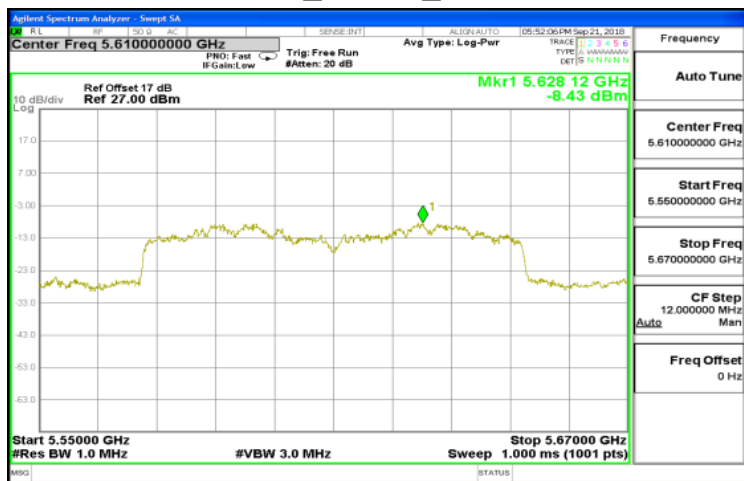


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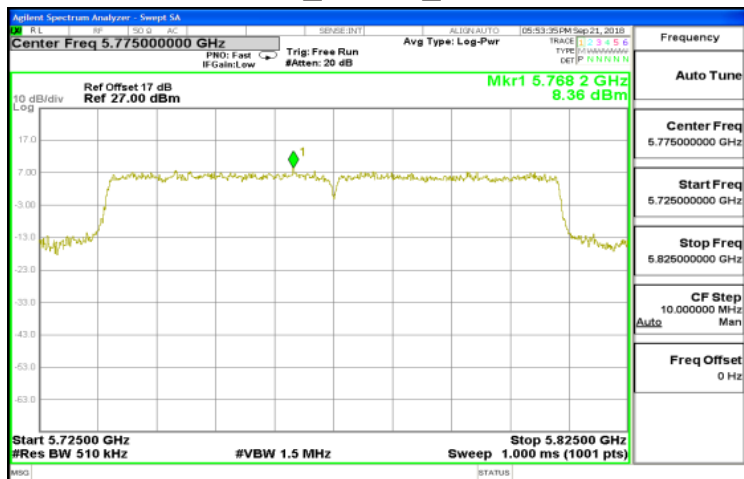
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802.11ac_80MHz_5610MHz



802.11ac_80MHz_5775MHz



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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 (dBμV/m)	AV 54 (dBμV/m)
APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.3 (dBμV/m)
15.407(b)(2) RSS-247 6.2.2.2		
15.407(b)(3) RSS-247 6.2.3.2		
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(dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/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.		

$EIRP = (E \cdot d)^2 / 30$, 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 (dBμV/m) = 20 log Emission level (dBμV/m)

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11.2 Measurement Equipment Used

SGS SAC-III					
Name of Equip-ment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Bi-log Antenna	SCHWAZBECK	VULB9168	378	12/29/2017	12/28/2018
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/16/2018	08/15/2019
Horn Antenna	Schwarzbeck	BBHA9170	184	12/12/2017	12/11/2018
Loop Antenna	ETS.LINDGREN	6502	148045	09/25/2018	09/24/2019
3m Site NSA	SGS	966 chamber	N/A	01/02/2018	01/01/2019
Spectrum Analyzer	Agilent	E4446A	MY51100003	05/15/2018	05/14/2019
EMI Test Receiver	R&S	ESCI7	100335	02/02/2018	02/01/2019
Pre-Amplifier	HP	8449B	3008A00578	01/02/2018	01/01/2019
Pre-Amplifier	HP	8447D	2944A07676	01/02/2018	01/01/2019
Pre-Amplifier	EMC Instru-ments	EMC184045B	980135	10/27/2017	10/26/2018
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2018	01/01/2019
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	01/02/2018	01/01/2019
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	01/02/2018	01/01/2019
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	01/02/2018	01/01/2019
Low Loss Cable	Huber Suhner	966_RX	9	01/02/2018	01/01/2019

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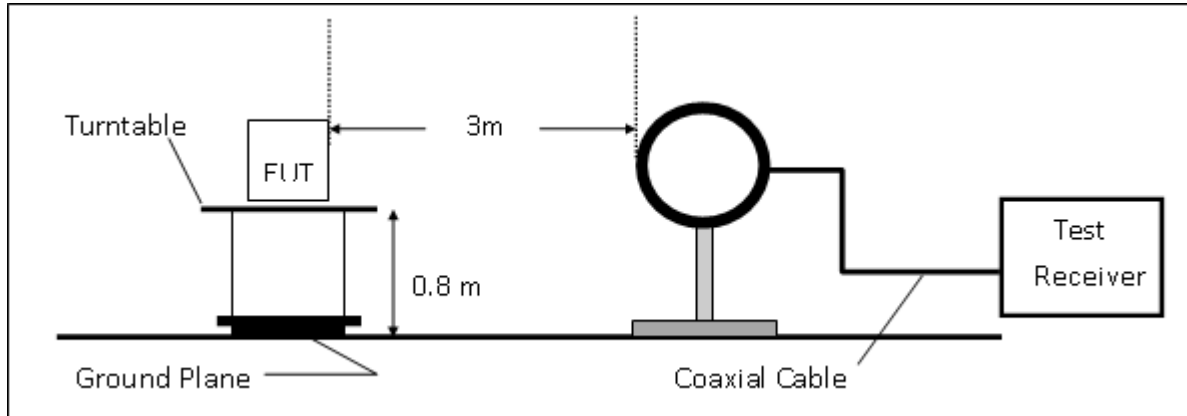
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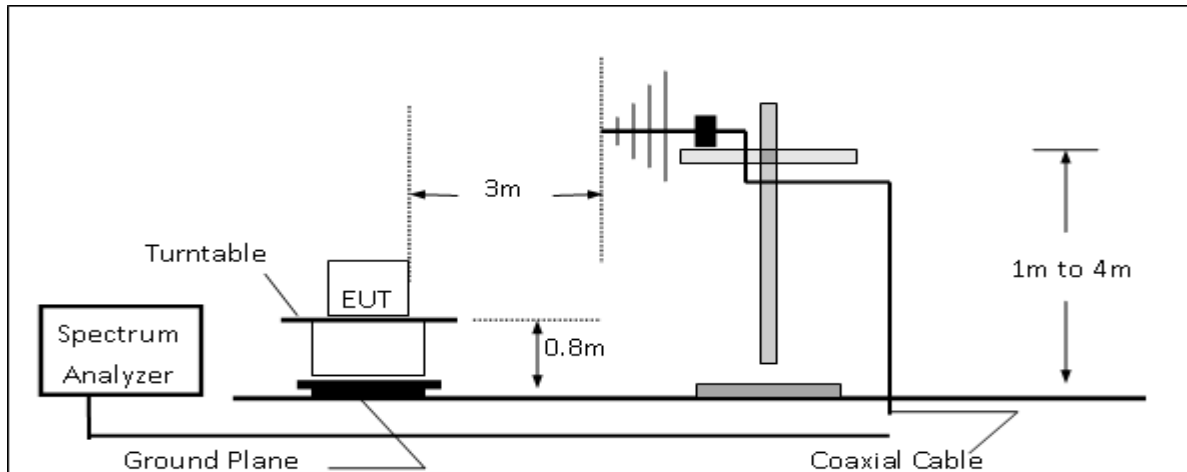
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11.3 Test SET-UP

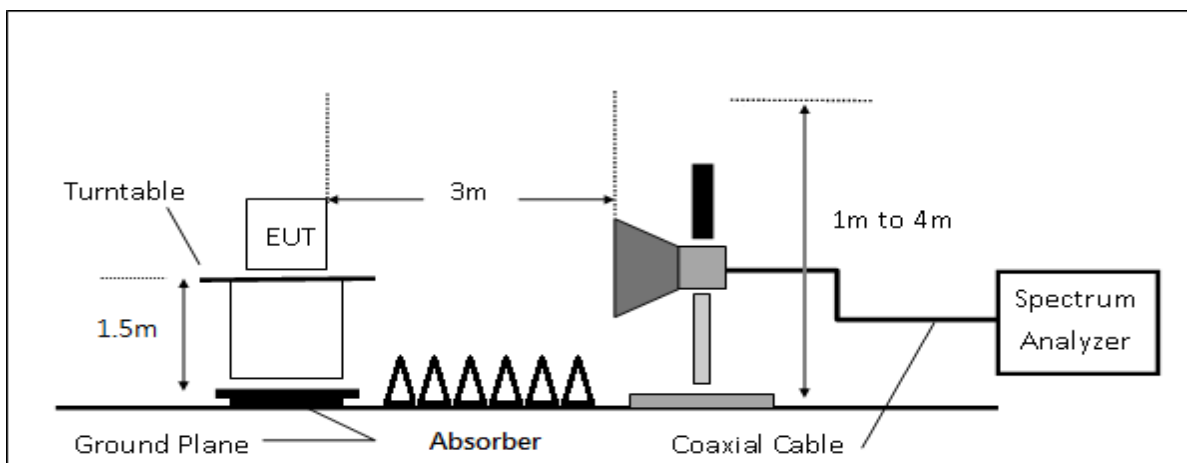
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(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 .
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 ≥ 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(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

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11.6 Test Results of Radiated Spurious Emissions form 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 next page for tabular data sheets.

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Radiated Spurious Emission Measurement Result

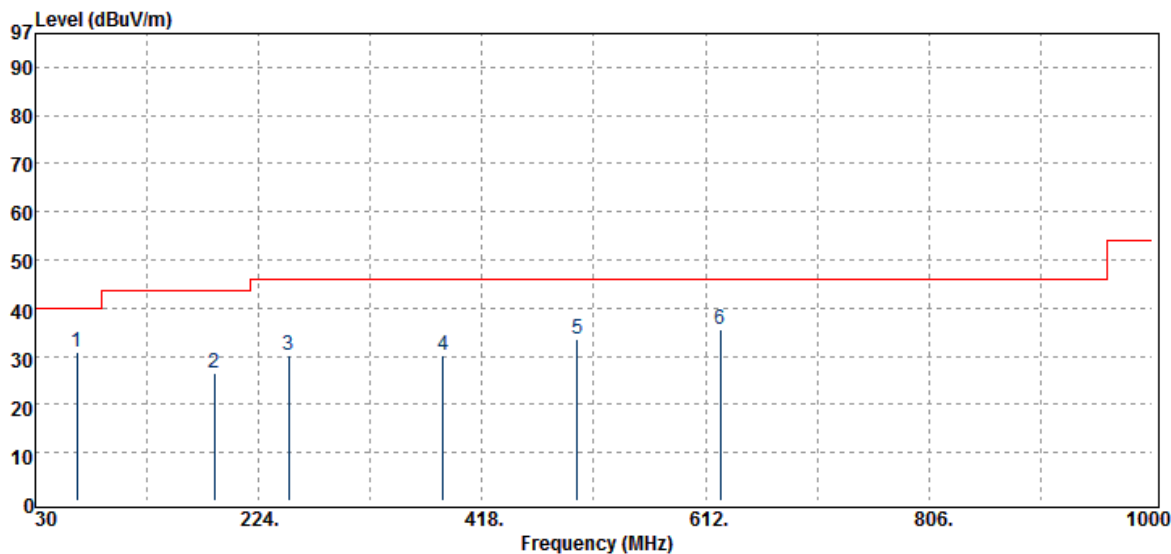
Below 1GHz Worst-Case Data:

External Antenna (Type: Dipole antenna, Model No.: R380500314)

802.11a 5150~5250 MHz

Operation Band :802.11aB1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
65.89	Peak	40.09	-9.20	30.89	40.00	-9.11
185.20	Peak	35.30	-8.64	26.66	43.50	-16.84
250.19	Peak	37.44	-7.40	30.04	46.00	-15.96
384.05	Peak	34.16	-3.79	30.37	46.00	-15.63
500.45	Peak	35.95	-2.36	33.59	46.00	-12.41
624.61	Peak	34.92	0.71	35.63	46.00	-10.37

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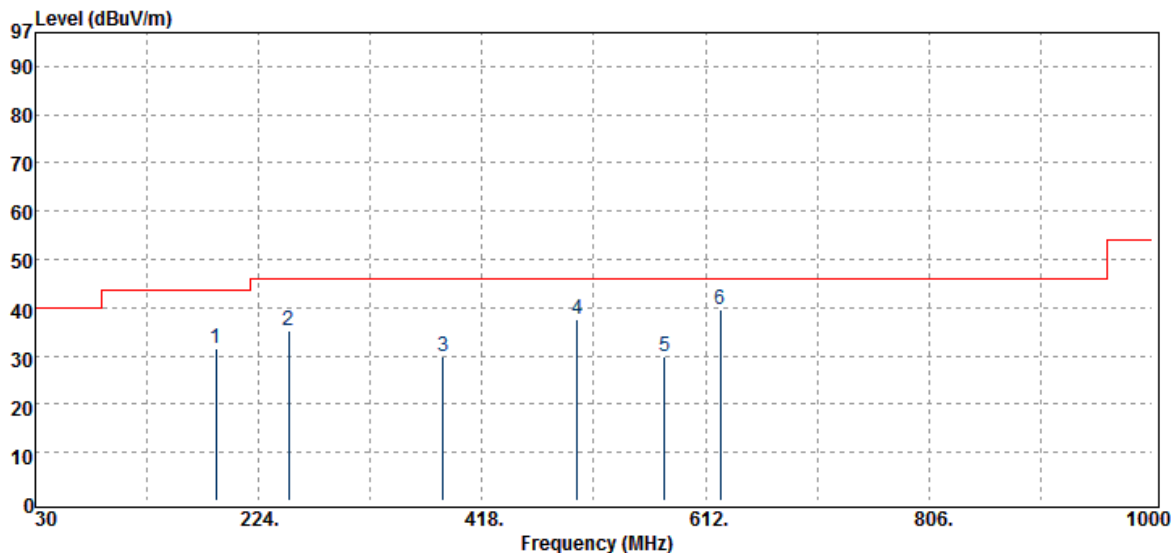
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Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
187.14	Peak	40.40	-8.78	31.62	43.50	-11.88
250.19	Peak	42.48	-7.40	35.08	46.00	-10.92
384.05	Peak	33.69	-3.79	29.90	46.00	-16.10
500.45	Peak	40.12	-2.36	37.76	46.00	-8.24
576.11	Peak	29.97	-0.11	29.86	46.00	-16.14
624.61	Peak	38.90	0.71	39.61	46.00	-6.39

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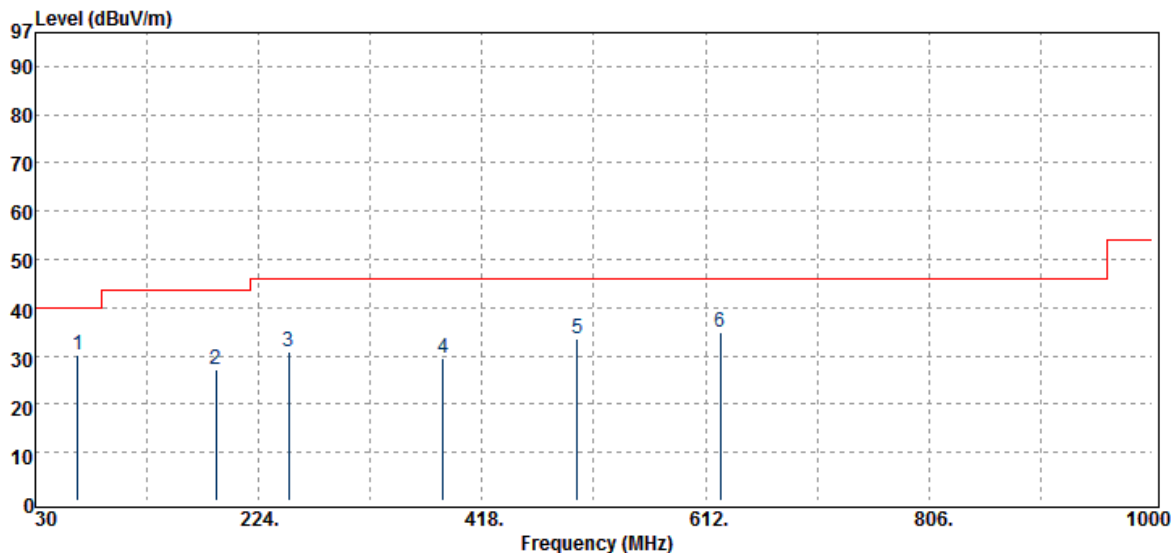
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802.11a 5250~5350 MHz

Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	39.66	-9.42	30.24	40.00	-9.76
187.14	Peak	35.95	-8.78	27.17	43.50	-16.33
250.19	Peak	38.24	-7.40	30.84	46.00	-15.16
384.05	Peak	33.20	-3.79	29.41	46.00	-16.59
500.45	Peak	35.96	-2.36	33.60	46.00	-12.40
624.61	Peak	34.32	0.71	35.03	46.00	-10.97

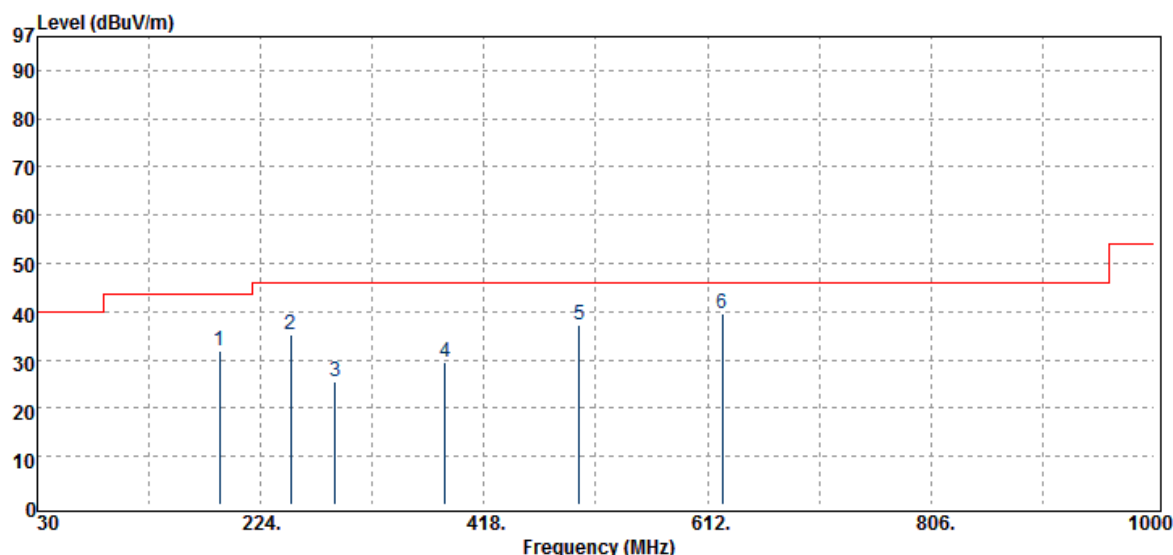
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Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
188.11	Peak	40.57	-8.84	31.73	43.50	-11.77
250.19	Peak	42.56	-7.40	35.16	46.00	-10.84
288.99	Peak	31.33	-5.86	25.47	46.00	-20.53
384.05	Peak	33.42	-3.79	29.63	46.00	-16.37
500.45	Peak	39.76	-2.36	37.40	46.00	-8.60
624.61	Peak	38.99	0.71	39.70	46.00	-6.30

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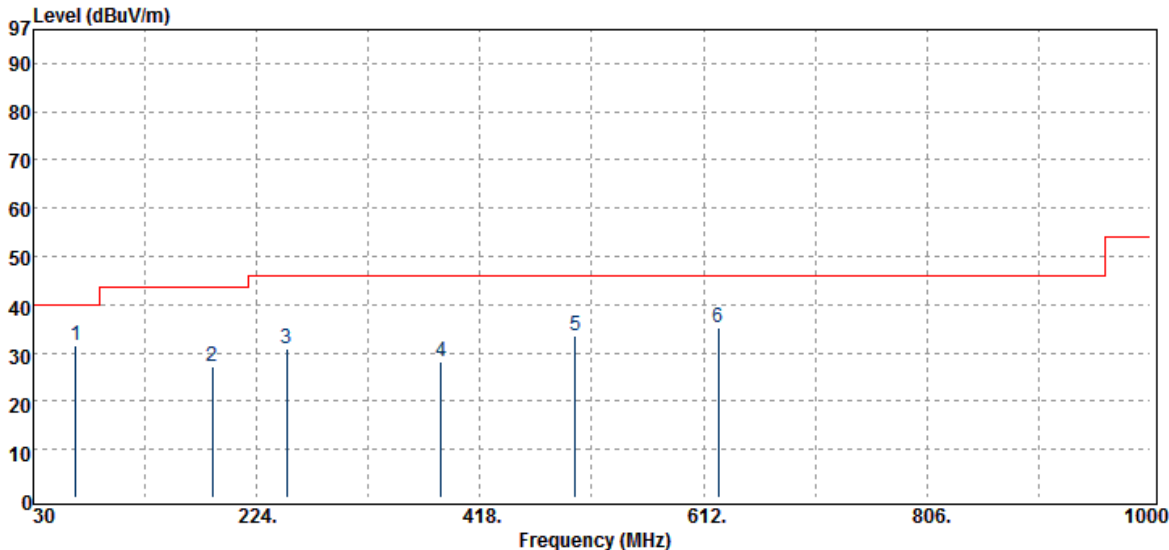
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802.11a, 5470~5725 MHz

Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	40.82	-9.42	31.40	40.00	-8.60
185.20	Peak	35.93	-8.64	27.29	43.50	-16.21
250.19	Peak	38.13	-7.40	30.73	46.00	-15.27
384.05	Peak	32.15	-3.79	28.36	46.00	-17.64
500.45	Peak	35.76	-2.36	33.40	46.00	-12.60
624.61	Peak	34.45	0.71	35.16	46.00	-10.84

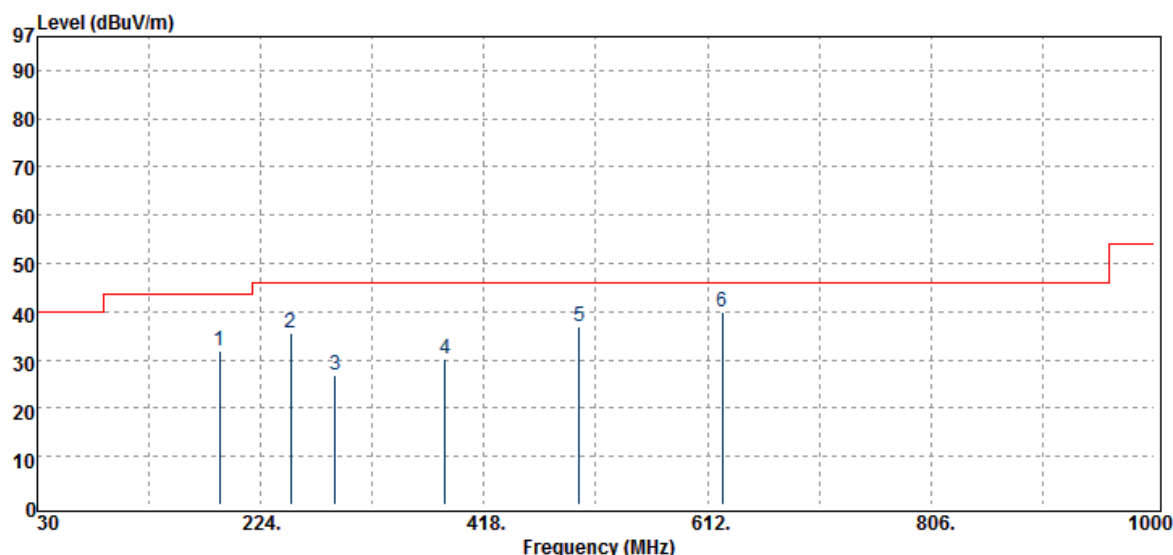
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Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
188.11	Peak	40.72	-8.84	31.88	43.50	-11.62
250.19	Peak	42.86	-7.40	35.46	46.00	-10.54
288.99	Peak	32.59	-5.86	26.73	46.00	-19.27
384.05	Peak	33.84	-3.79	30.05	46.00	-15.95
500.45	Peak	39.30	-2.36	36.94	46.00	-9.06
624.61	Peak	39.13	0.71	39.84	46.00	-6.16

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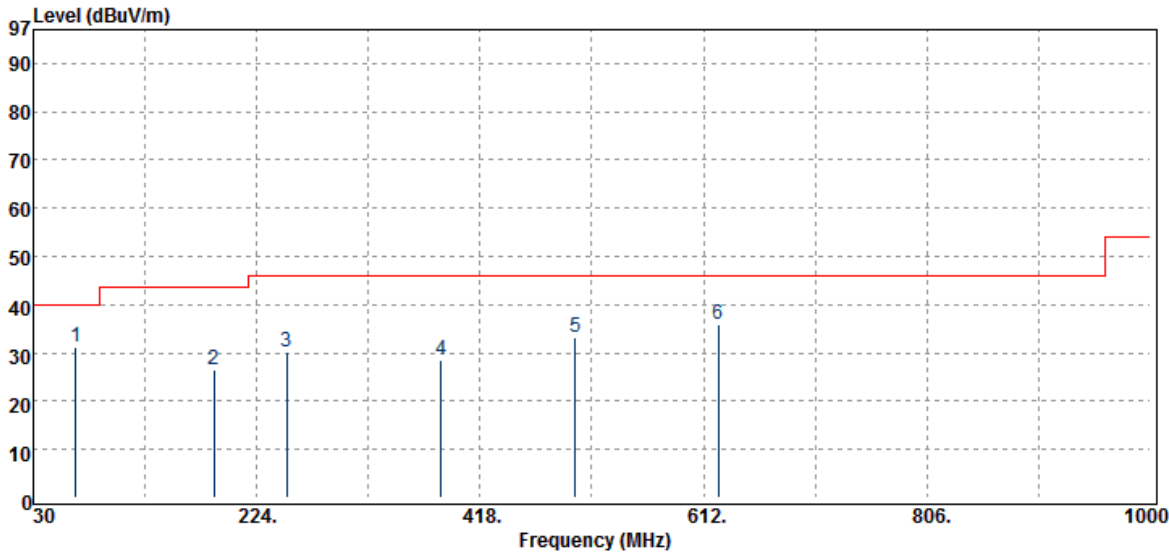
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802.11a, 5725~5850 MHz

Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	40.58	-9.42	31.16	40.00	-8.84
187.14	Peak	35.35	-8.78	26.57	43.50	-16.93
250.19	Peak	37.60	-7.40	30.20	46.00	-15.80
384.05	Peak	32.37	-3.79	28.58	46.00	-17.42
500.45	Peak	35.65	-2.36	33.29	46.00	-12.71
624.61	Peak	35.23	0.71	35.94	46.00	-10.06

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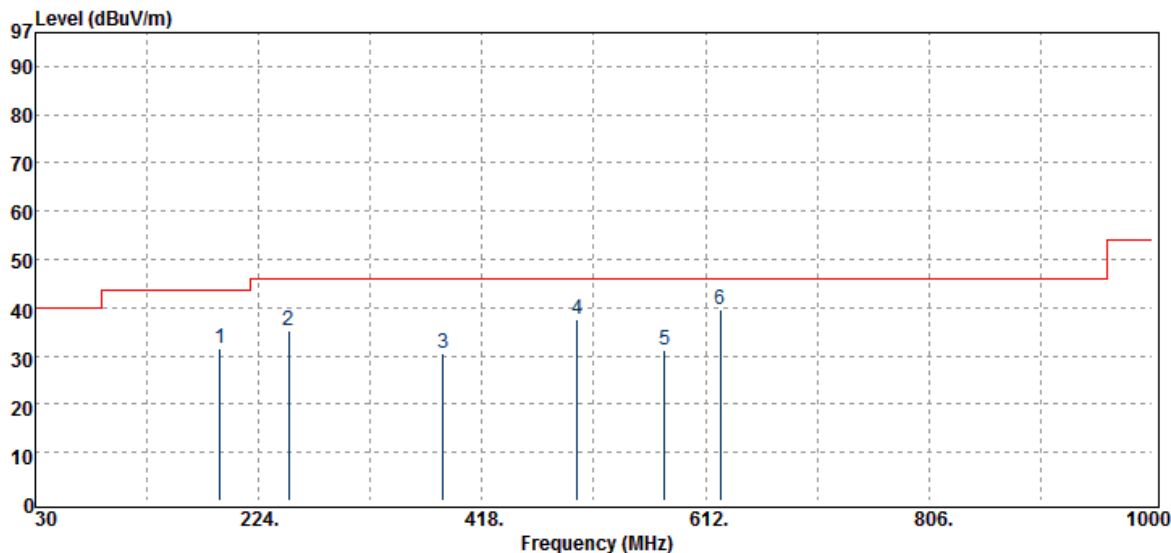
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Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
190.05	Peak	40.35	-8.96	31.39	43.50	-12.11
250.19	Peak	42.49	-7.40	35.09	46.00	-10.91
384.05	Peak	34.20	-3.79	30.41	46.00	-15.59
500.45	Peak	39.99	-2.36	37.63	46.00	-8.37
576.11	Peak	31.18	-0.11	31.07	46.00	-14.93
624.61	Peak	38.91	0.71	39.62	46.00	-6.38

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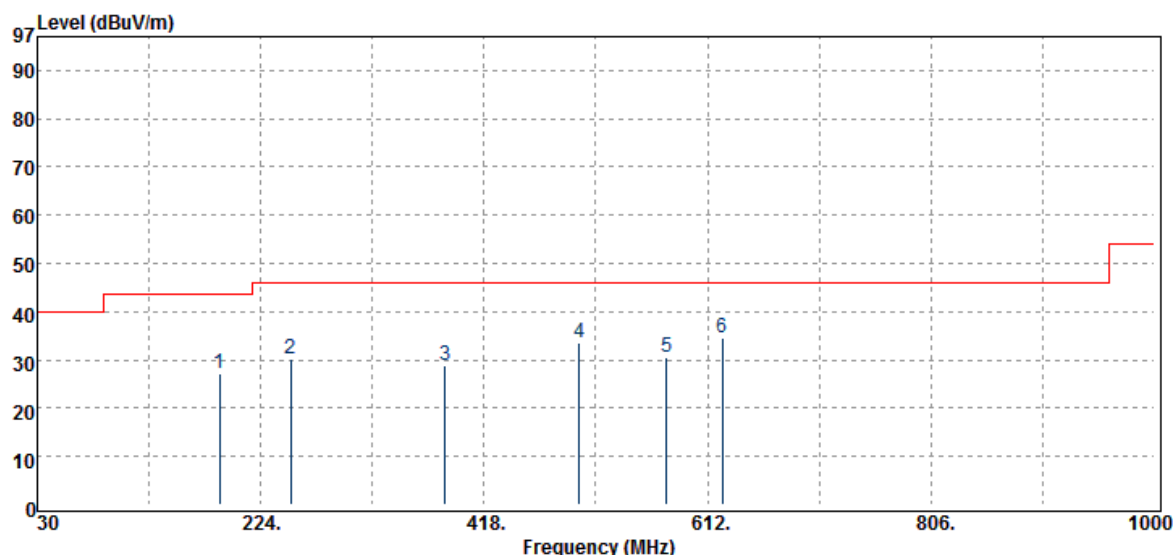
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802.11ac VHT80, 5150~5250 MHz

Operation Band :802.11ac80B1
 Fundamental Frequency :5210 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
188.11	Peak	36.14	-8.84	27.30	43.50	-16.20
250.19	Peak	37.55	-7.40	30.15	46.00	-15.85
384.05	Peak	32.53	-3.79	28.74	46.00	-17.26
500.45	Peak	35.85	-2.36	33.49	46.00	-12.51
576.11	Peak	30.51	-0.11	30.40	46.00	-15.60
624.61	Peak	33.96	0.71	34.67	46.00	-11.33

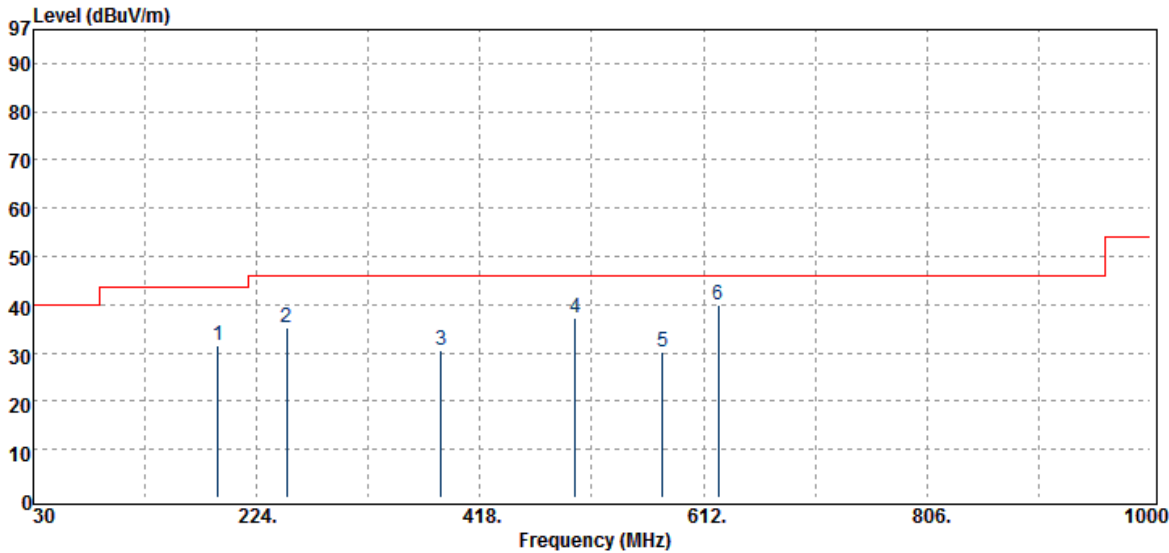
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Operation Band :802.11ac80B1
Fundamental Frequency :5210 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
190.05	Peak	40.62	-8.96	31.66	43.50	-11.84
250.19	Peak	42.49	-7.40	35.09	46.00	-10.91
384.05	Peak	34.37	-3.79	30.58	46.00	-15.42
500.45	Peak	39.50	-2.36	37.14	46.00	-8.86
576.11	Peak	30.44	-0.11	30.33	46.00	-15.67
624.61	Peak	39.16	0.71	39.87	46.00	-6.13

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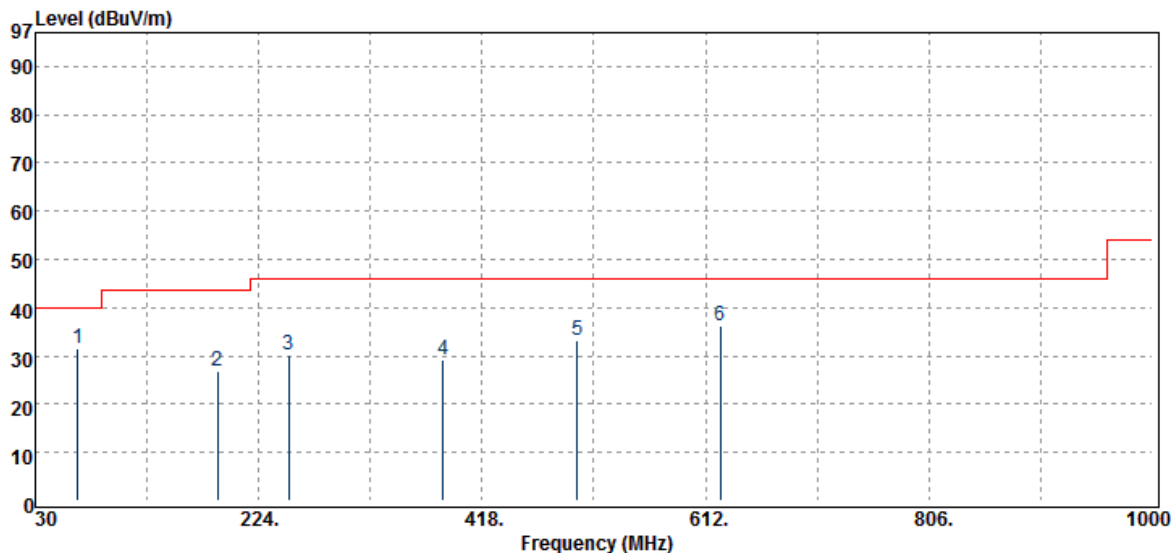
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802.11ac VHT80, 5250~5350 MHz

Operation Band :802.11ac80B2
Fundamental Frequency :5290 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	41.04	-9.42	31.62	40.00	-8.38
188.11	Peak	35.67	-8.84	26.83	43.50	-16.67
250.19	Peak	37.46	-7.40	30.06	46.00	-15.94
384.05	Peak	32.85	-3.79	29.06	46.00	-16.94
500.45	Peak	35.75	-2.36	33.39	46.00	-12.61
624.61	Peak	35.45	0.71	36.16	46.00	-9.84

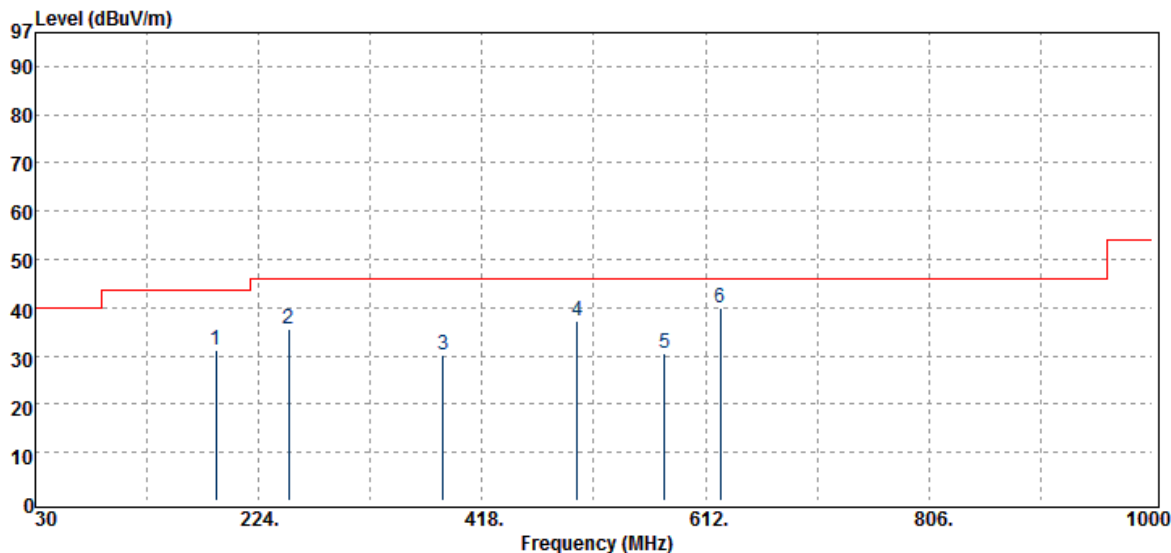
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Operation Band :802.11ac80B2
 Fundamental Frequency :5290 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
187.14	Peak	40.15	-8.78	31.37	43.50	-12.13
250.19	Peak	42.89	-7.40	35.49	46.00	-10.51
384.05	Peak	34.04	-3.79	30.25	46.00	-15.75
500.45	Peak	39.49	-2.36	37.13	46.00	-8.87
576.11	Peak	30.66	-0.11	30.55	46.00	-15.45
624.61	Peak	39.36	0.71	40.07	46.00	-5.93

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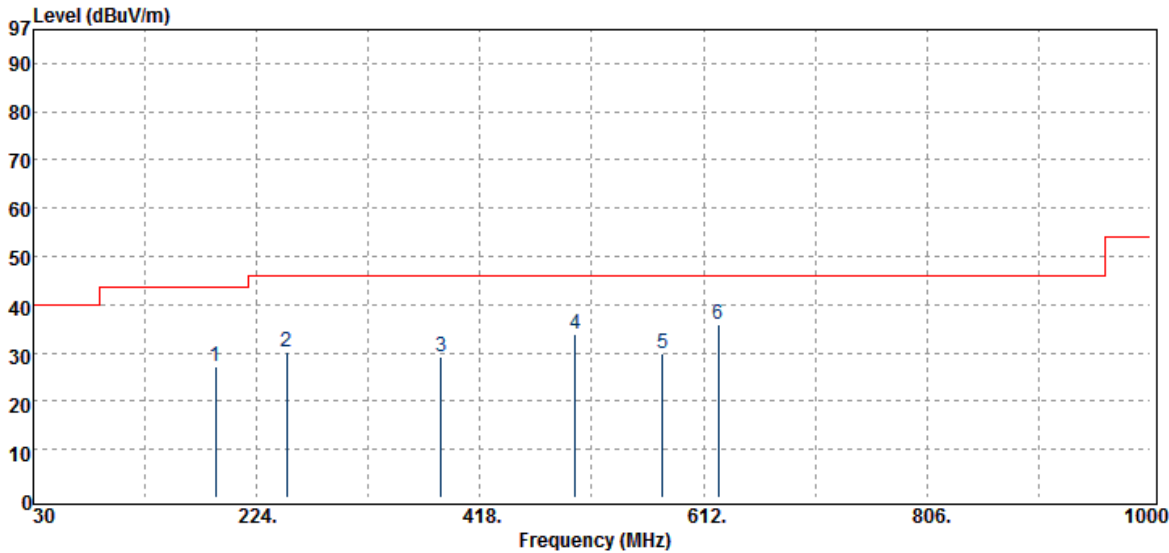
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802.11ac VHT80, 5470~5725 MHz

Operation Band :802.11ac80B3
Fundamental Frequency :5530 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
188.11	Peak	36.00	-8.84	27.16	43.50	-16.34
250.19	Peak	37.67	-7.40	30.27	46.00	-15.73
384.05	Peak	33.01	-3.79	29.22	46.00	-16.78
500.45	Peak	36.25	-2.36	33.89	46.00	-12.11
576.11	Peak	30.08	-0.11	29.97	46.00	-16.03
624.61	Peak	35.11	0.71	35.82	46.00	-10.18

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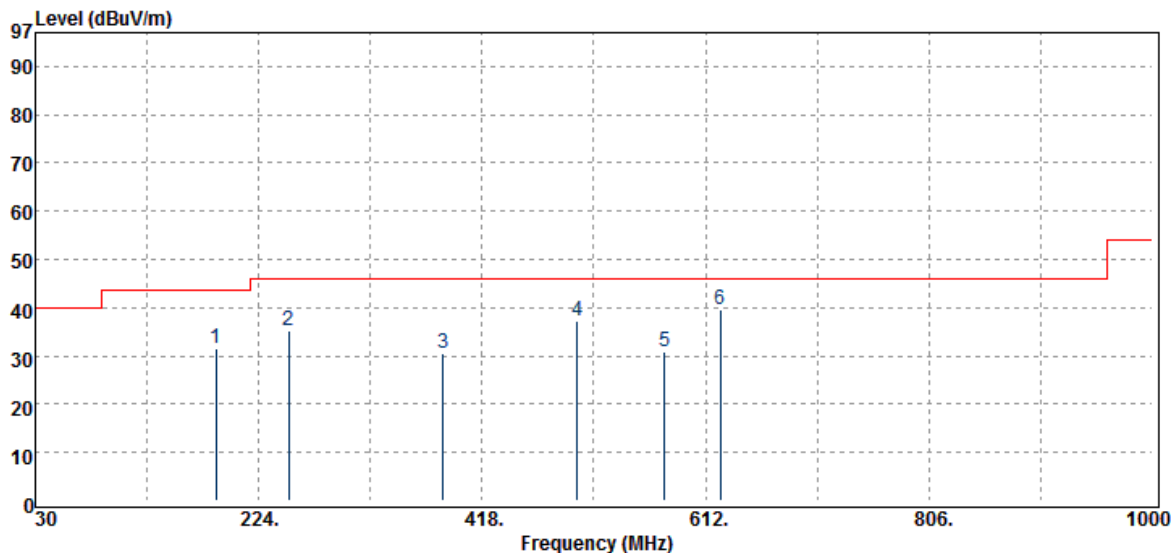
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Operation Band :802.11ac80B3
 Fundamental Frequency :5530 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
187.14	Peak	40.28	-8.78	31.50	43.50	-12.00
250.19	Peak	42.52	-7.40	35.12	46.00	-10.88
384.05	Peak	34.30	-3.79	30.51	46.00	-15.49
500.45	Peak	39.54	-2.36	37.18	46.00	-8.82
576.11	Peak	30.87	-0.11	30.76	46.00	-15.24
624.61	Peak	38.89	0.71	39.60	46.00	-6.40

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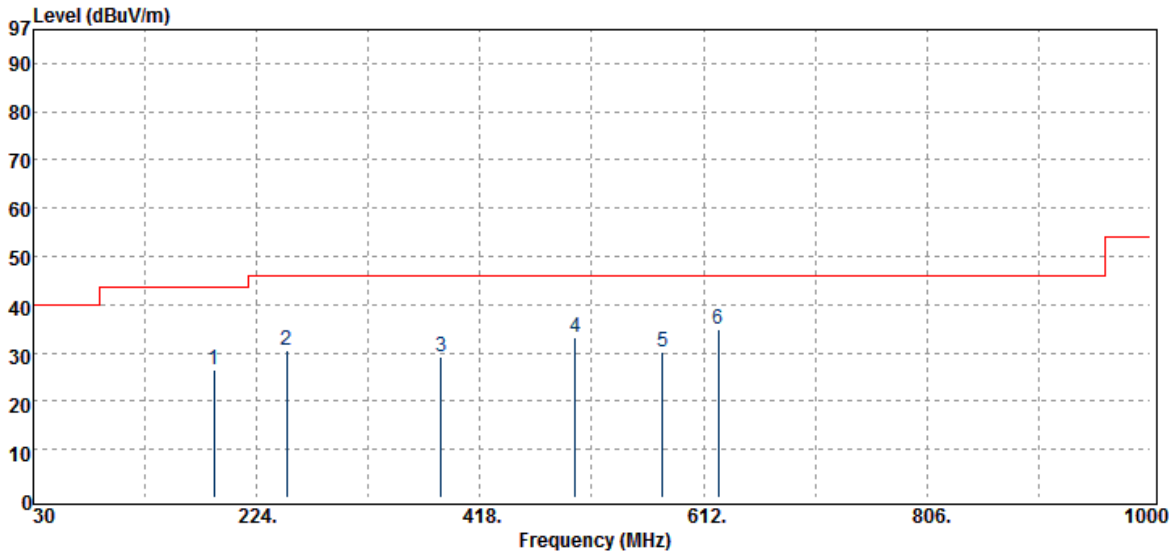
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802.11ac VHT80, 5725~5850 MHz

Operation Band :802.11ac80B4
Fundamental Frequency :5775 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
187.14	Peak	35.24	-8.78	26.46	43.50	-17.04
250.19	Peak	37.84	-7.40	30.44	46.00	-15.56
384.05	Peak	33.10	-3.79	29.31	46.00	-16.69
500.45	Peak	35.73	-2.36	33.37	46.00	-12.63
576.11	Peak	30.29	-0.11	30.18	46.00	-15.82
624.61	Peak	34.21	0.71	34.92	46.00	-11.08

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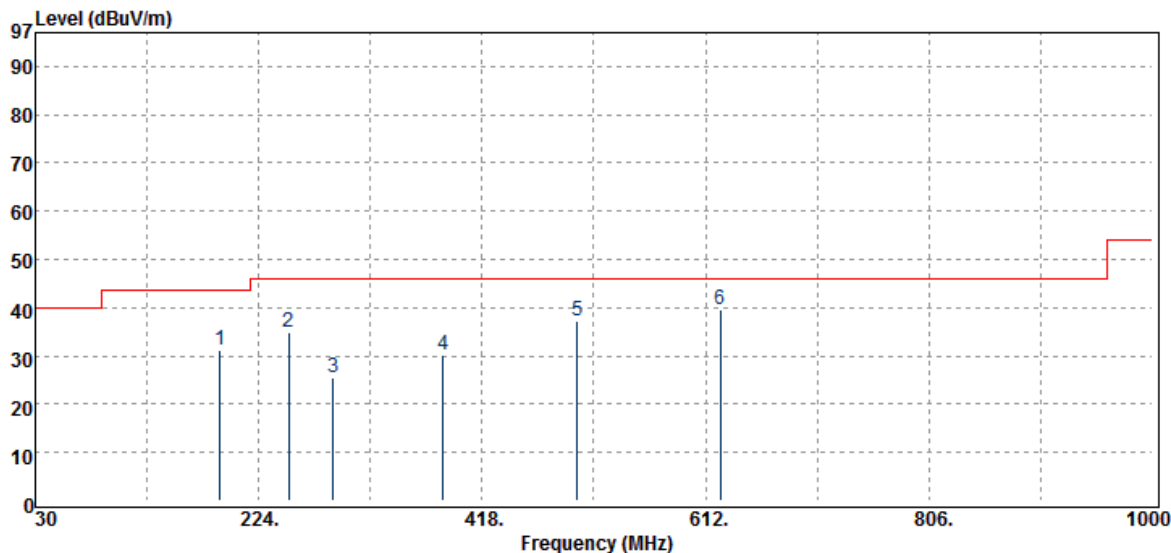
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www.tw.sgs.com

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Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
190.05	Peak	40.33	-8.96	31.37	43.50	-12.13
250.19	Peak	42.46	-7.40	35.06	46.00	-10.94
288.99	Peak	31.42	-5.86	25.56	46.00	-20.44
384.05	Peak	33.90	-3.79	30.11	46.00	-15.89
500.45	Peak	39.52	-2.36	37.16	46.00	-8.84
624.61	Peak	38.75	0.71	39.46	46.00	-6.54

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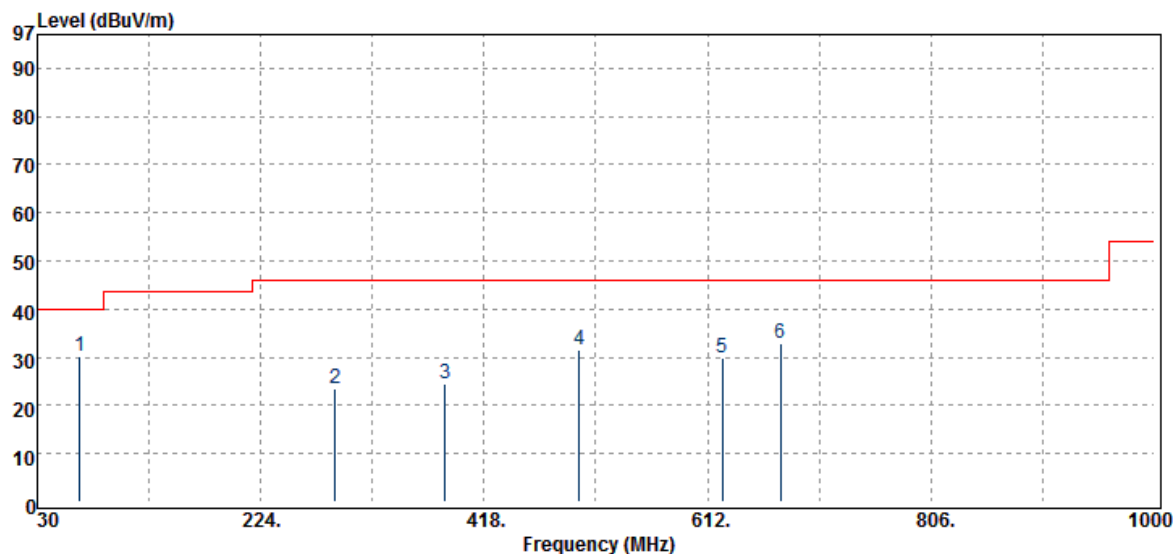
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Internal Antenna (Type: Printed antenna, Model no: N/A)**802.11a 5150~5250 MHz**

Operation Band :802.11aB1
 Fundamental Frequency :5220 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
66.86	Peak	39.51	-9.42	30.09	40.00	-9.91
288.99	Peak	29.27	-5.86	23.41	46.00	-22.59
384.05	Peak	28.41	-3.79	24.62	46.00	-21.38
500.45	Peak	34.01	-2.36	31.65	46.00	-14.35
624.61	Peak	29.20	0.71	29.91	46.00	-16.09
675.05	Peak	31.67	1.37	33.04	46.00	-12.96

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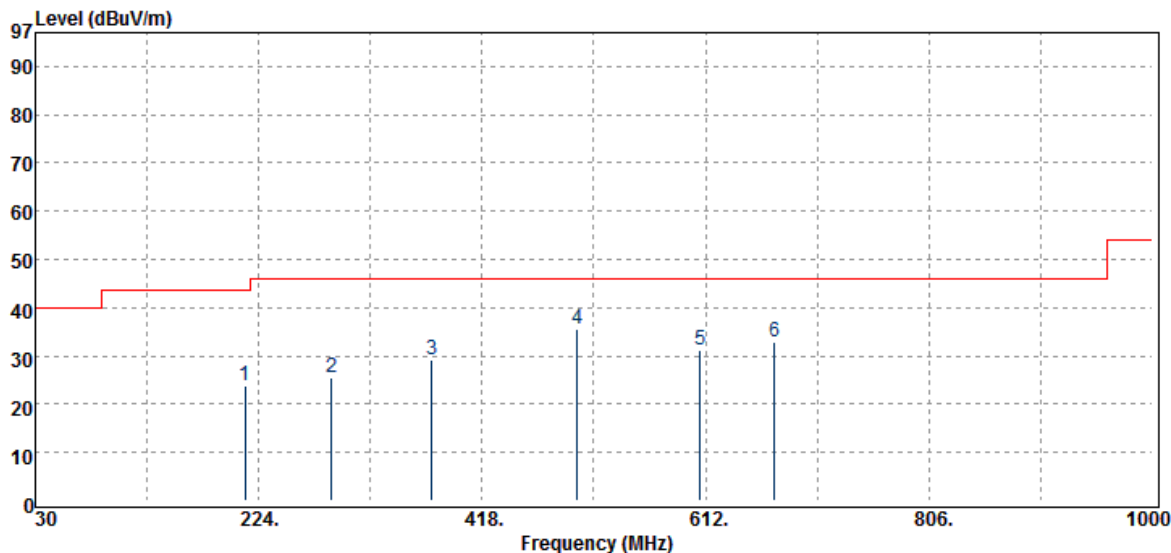
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Operation Band :802.11aB1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
212.36	Peak	32.87	-9.20	23.67	43.50	-19.83
287.05	Peak	31.37	-5.92	25.45	46.00	-20.55
374.35	Peak	33.27	-3.96	29.31	46.00	-16.69
500.45	Peak	37.93	-2.36	35.57	46.00	-10.43
607.15	Peak	31.54	-0.38	31.16	46.00	-14.84
672.14	Peak	31.90	0.99	32.89	46.00	-13.11

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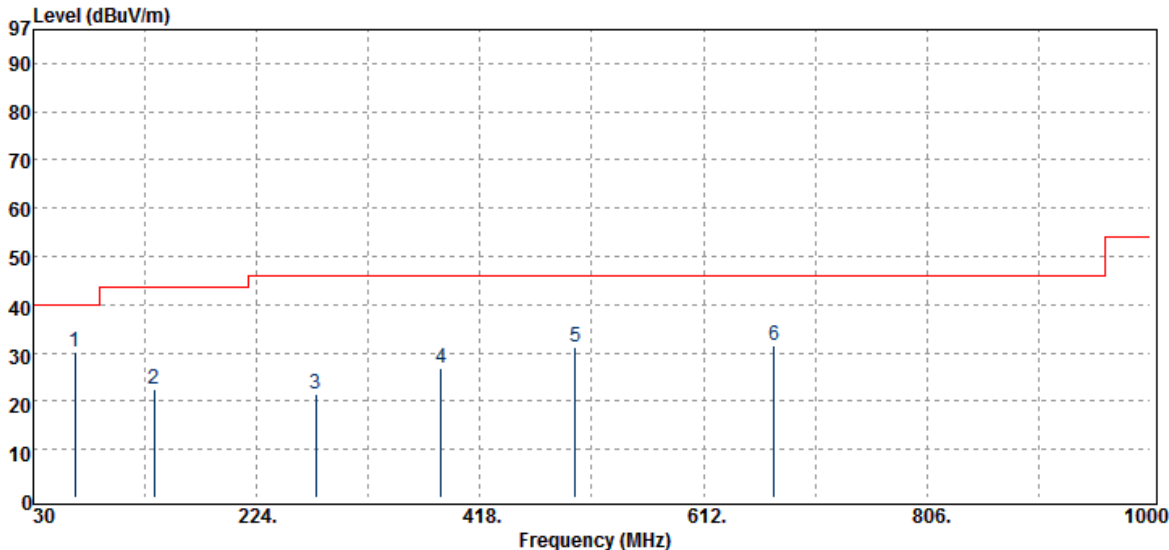
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802.11a 5250~5350 MHz

Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
65.89	Peak	39.36	-9.20	30.16	40.00	-9.84
134.76	Peak	30.93	-8.55	22.38	43.50	-21.12
275.41	Peak	27.98	-6.38	21.60	46.00	-24.40
384.05	Peak	30.74	-3.79	26.95	46.00	-19.05
500.45	Peak	33.64	-2.36	31.28	46.00	-14.72
673.11	Peak	30.49	1.11	31.60	46.00	-14.40

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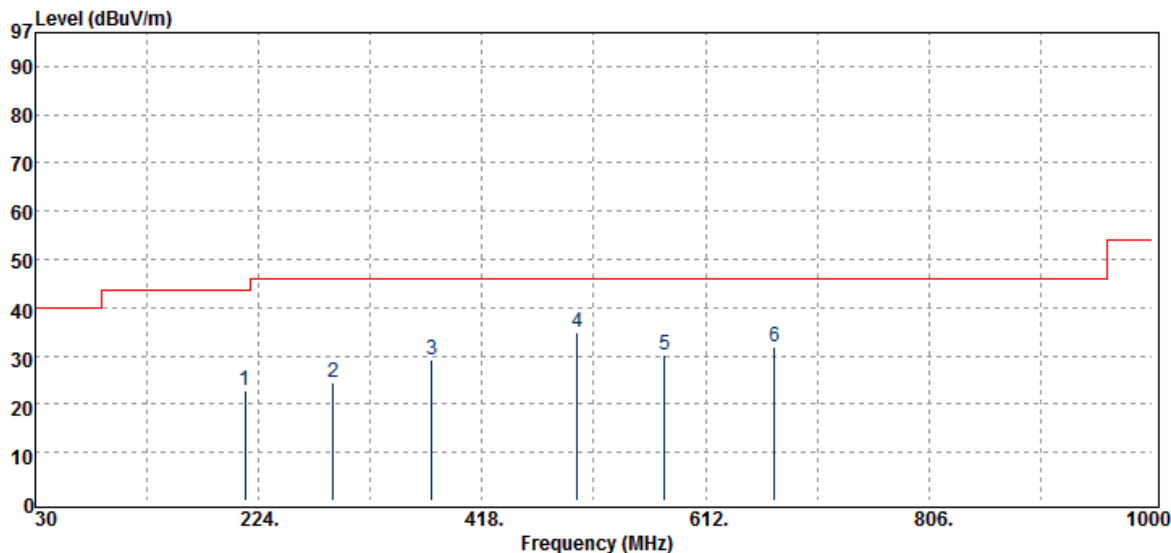
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www.tw.sgs.com

Member of SGS Group

Operation Band :802.11aB2
 Fundamental Frequency :5300 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
212.36	Peak	31.86	-9.20	22.66	43.50	-20.84
288.99	Peak	30.48	-5.86	24.62	46.00	-21.38
374.35	Peak	33.28	-3.96	29.32	46.00	-16.68
500.45	Peak	37.37	-2.36	35.01	46.00	-10.99
576.11	Peak	30.27	-0.11	30.16	46.00	-15.84
672.14	Peak	30.86	0.99	31.85	46.00	-14.15

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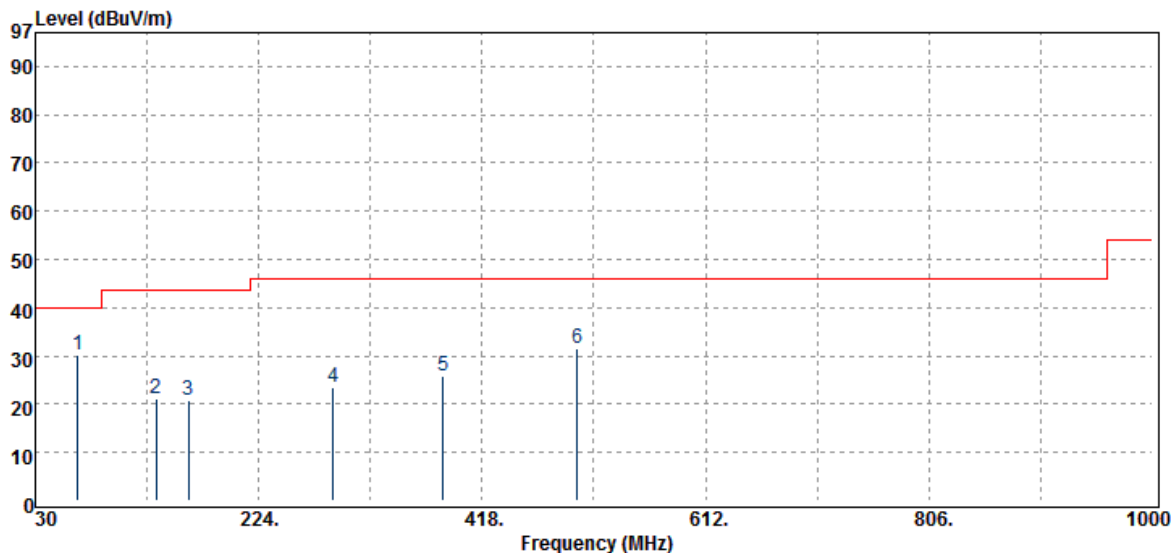
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802.11a, 5470~5725 MHz

Operation Band :802.11aB3
 Fundamental Frequency :5580 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
66.86	Peak	39.53	-9.42	30.11	40.00	-9.89
134.76	Peak	29.73	-8.55	21.18	43.50	-22.32
162.89	Peak	28.16	-7.23	20.93	43.50	-22.57
288.99	Peak	29.30	-5.86	23.44	46.00	-22.56
384.05	Peak	29.64	-3.79	25.85	46.00	-20.15
500.45	Peak	33.75	-2.36	31.39	46.00	-14.61

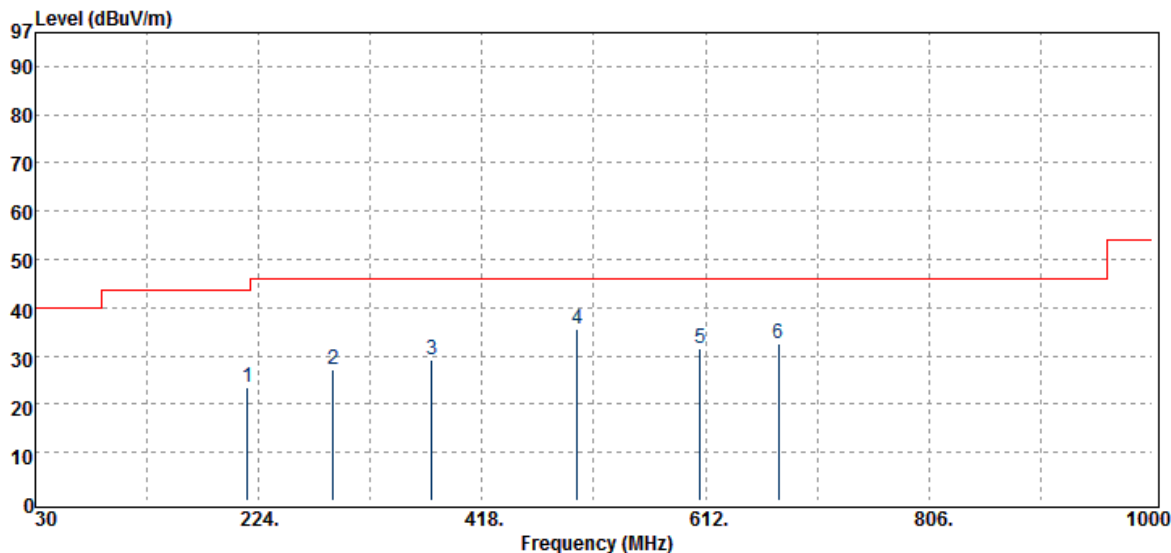
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
214.30	Peak	32.79	-9.17	23.62	43.50	-19.88
288.99	Peak	32.99	-5.86	27.13	46.00	-18.87
374.35	Peak	33.21	-3.96	29.25	46.00	-16.75
500.45	Peak	37.95	-2.36	35.59	46.00	-10.41
607.15	Peak	31.80	-0.38	31.42	46.00	-14.58
675.05	Peak	31.18	1.37	32.55	46.00	-13.45

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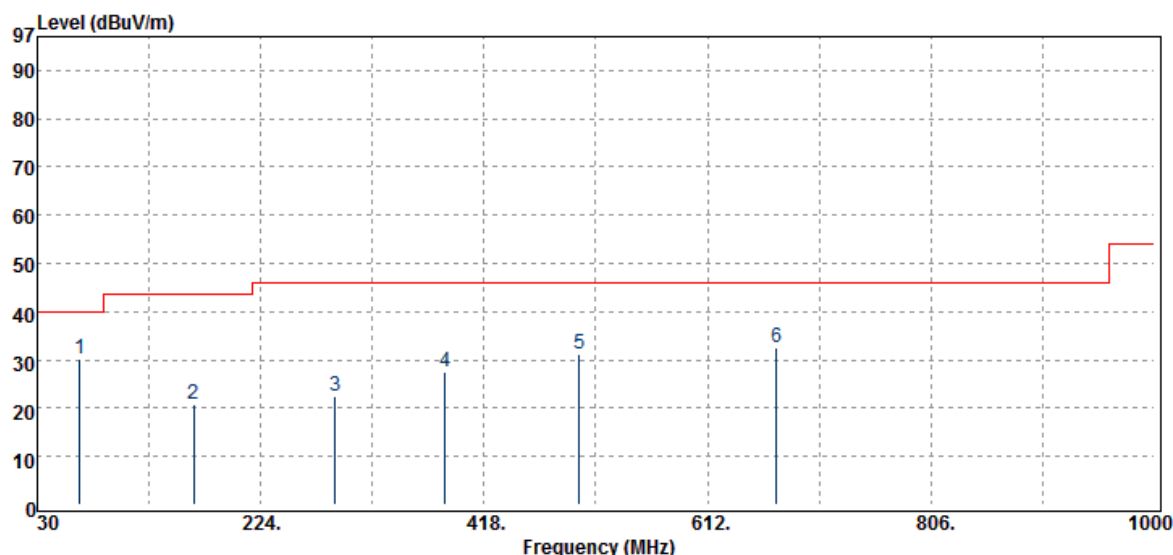
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802.11a, 5725~5850 MHz

Operation Band :802.11aB4
 Fundamental Frequency :5785 MHz
 Operation Mode :Tx CH MID
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	39.52	-9.42	30.10	40.00	-9.90
165.80	Peak	28.13	-7.32	20.81	43.50	-22.69
288.99	Peak	28.25	-5.86	22.39	46.00	-23.61
384.05	Peak	31.21	-3.79	27.42	46.00	-18.58
500.45	Peak	33.66	-2.36	31.30	46.00	-14.70
672.14	Peak	31.51	0.99	32.50	46.00	-13.50

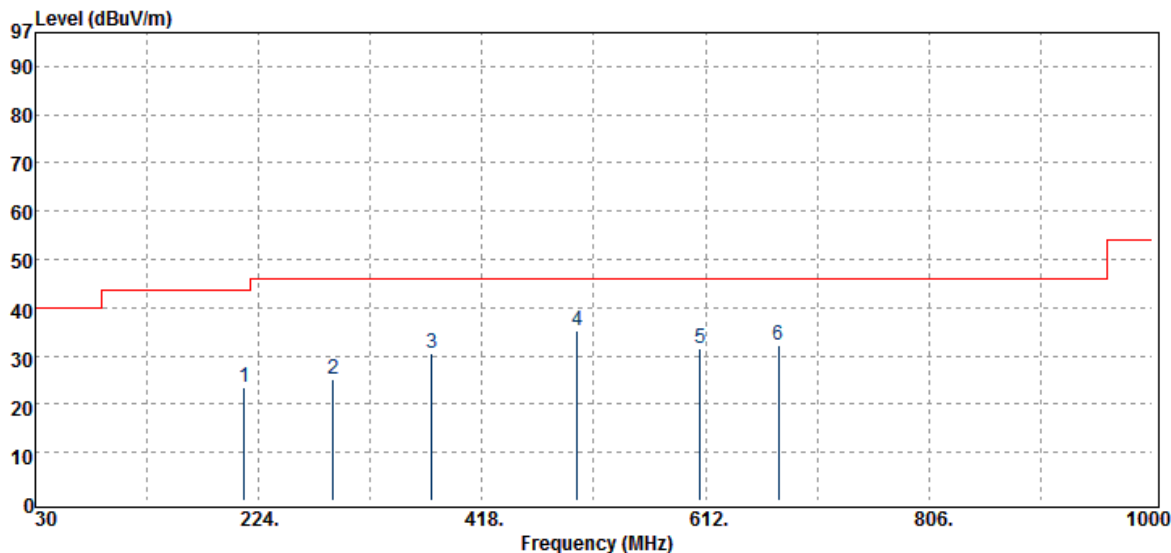
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Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
211.39	Peak	32.82	-9.23	23.59	43.50	-19.91
288.99	Peak	31.05	-5.86	25.19	46.00	-20.81
374.35	Peak	34.42	-3.96	30.46	46.00	-15.54
500.45	Peak	37.68	-2.36	35.32	46.00	-10.68
607.15	Peak	32.03	-0.38	31.65	46.00	-14.35
675.05	Peak	30.85	1.37	32.22	46.00	-13.78

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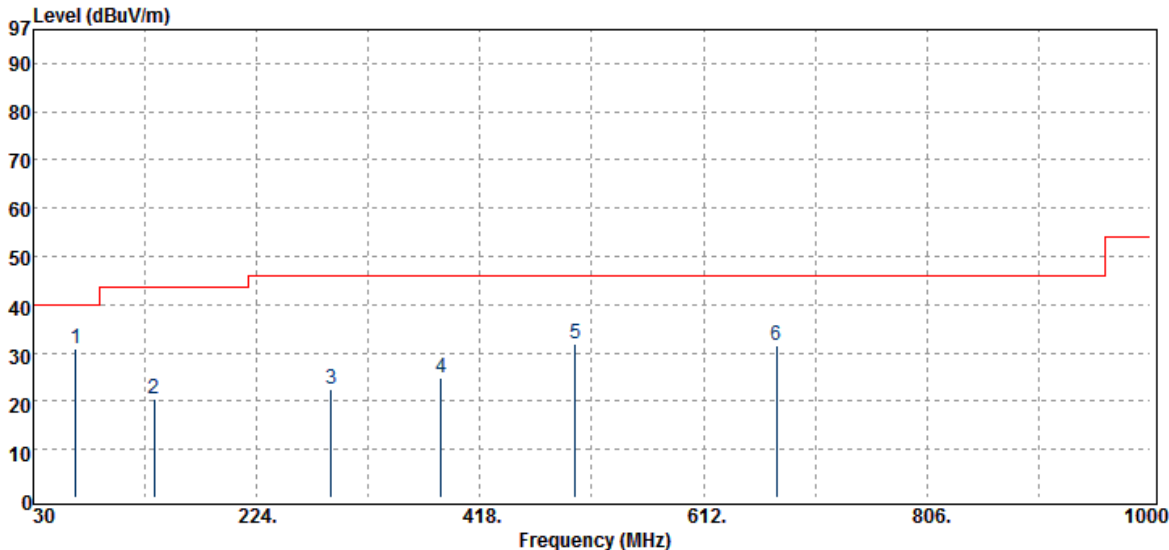
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802.11ac VHT80, 5150~5250 MHz

Operation Band :802.11ac80B1
 Fundamental Frequency :5210 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	40.28	-9.42	30.86	40.00	-9.14
134.76	Peak	29.04	-8.55	20.49	43.50	-23.01
288.99	Peak	28.35	-5.86	22.49	46.00	-23.51
384.05	Peak	28.73	-3.79	24.94	46.00	-21.06
500.45	Peak	34.36	-2.36	32.00	46.00	-14.00
675.05	Peak	30.19	1.37	31.56	46.00	-14.44

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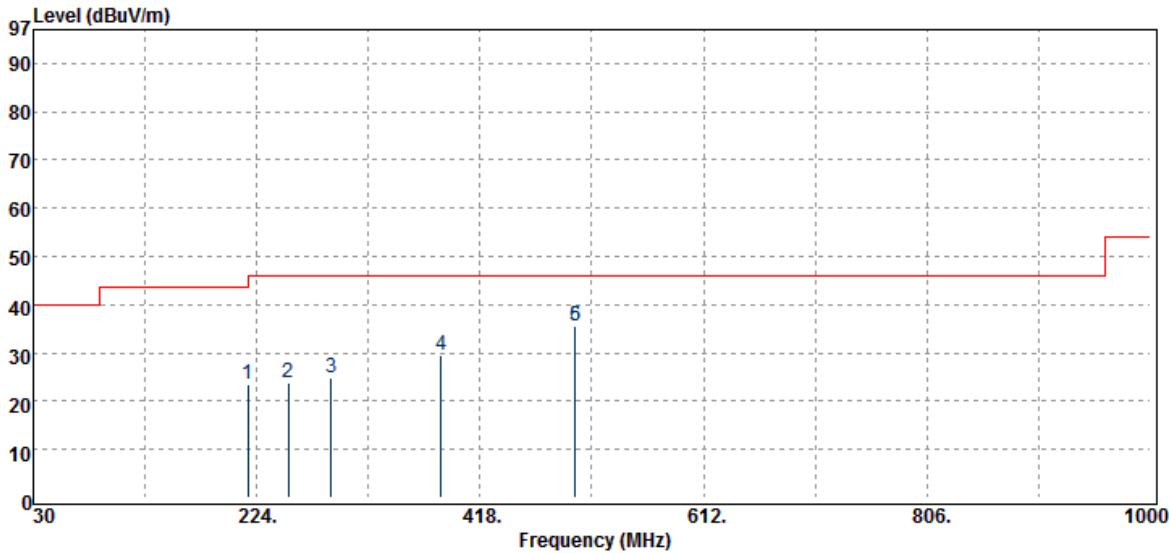
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Operation Band :802.11ac80B1
Fundamental Frequency :5210 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
216.24	Peak	32.57	-9.14	23.43	46.00	-22.57
251.16	Peak	31.02	-7.34	23.68	46.00	-22.32
288.99	Peak	30.80	-5.86	24.94	46.00	-21.06
384.05	Peak	33.39	-3.79	29.60	46.00	-16.40
500.45	Peak	37.87	-2.36	35.51	46.00	-10.49
500.45	Peak	37.87	-2.36	35.51	46.00	-10.49

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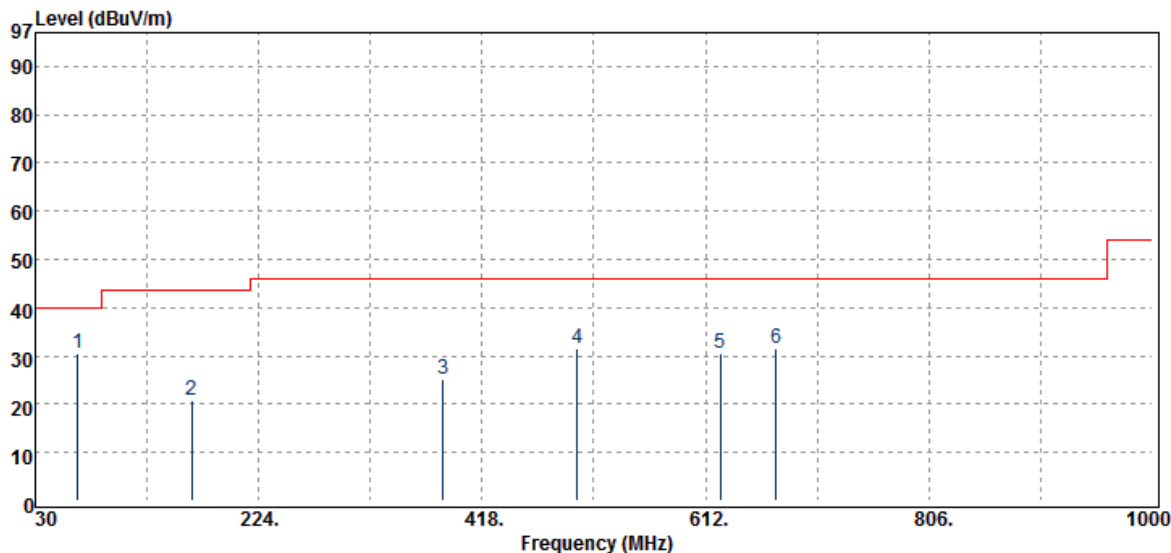
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802.11ac VHT80, 5250~5350 MHz

Operation Band :802.11ac80B2
Fundamental Frequency :5290 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	39.92	-9.42	30.50	40.00	-9.50
165.80	Peak	27.97	-7.32	20.65	43.50	-22.85
384.05	Peak	29.02	-3.79	25.23	46.00	-20.77
500.45	Peak	33.91	-2.36	31.55	46.00	-14.45
624.61	Peak	29.72	0.71	30.43	46.00	-15.57
673.11	Peak	30.60	1.11	31.71	46.00	-14.29

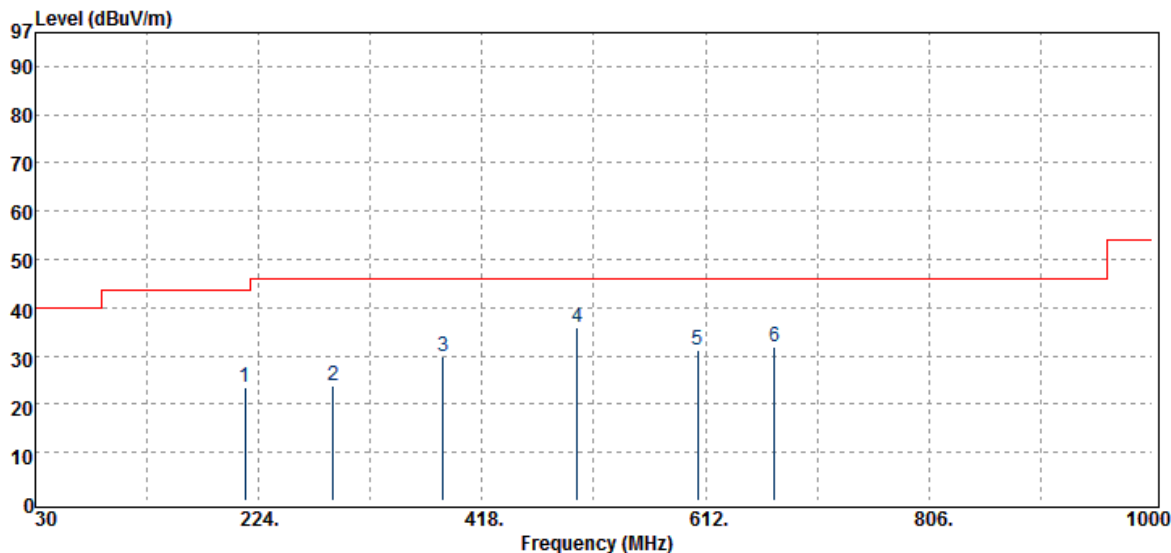
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Operation Band :802.11ac80B2
Fundamental Frequency :5290 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
212.36	Peak	32.79	-9.20	23.59	43.50	-19.91
288.99	Peak	29.60	-5.86	23.74	46.00	-22.26
384.05	Peak	33.54	-3.79	29.75	46.00	-16.25
500.45	Peak	38.29	-2.36	35.93	46.00	-10.07
605.21	Peak	31.87	-0.66	31.21	46.00	-14.79
672.14	Peak	30.84	0.99	31.83	46.00	-14.17

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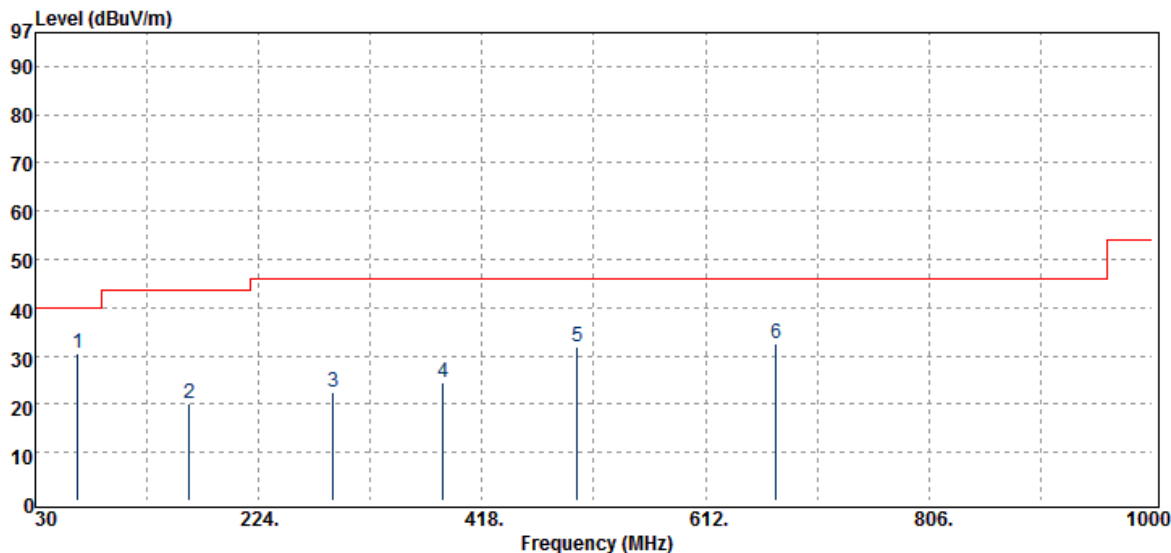
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802.11ac VHT80, 5470~5725 MHz

Operation Band :802.11ac80B3
 Fundamental Frequency :5530 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	40.01	-9.42	30.59	40.00	-9.41
163.86	Peak	27.53	-7.27	20.26	43.50	-23.24
288.99	Peak	28.39	-5.86	22.53	46.00	-23.47
384.05	Peak	28.37	-3.79	24.58	46.00	-21.42
500.45	Peak	34.32	-2.36	31.96	46.00	-14.04
673.11	Peak	31.40	1.11	32.51	46.00	-13.49

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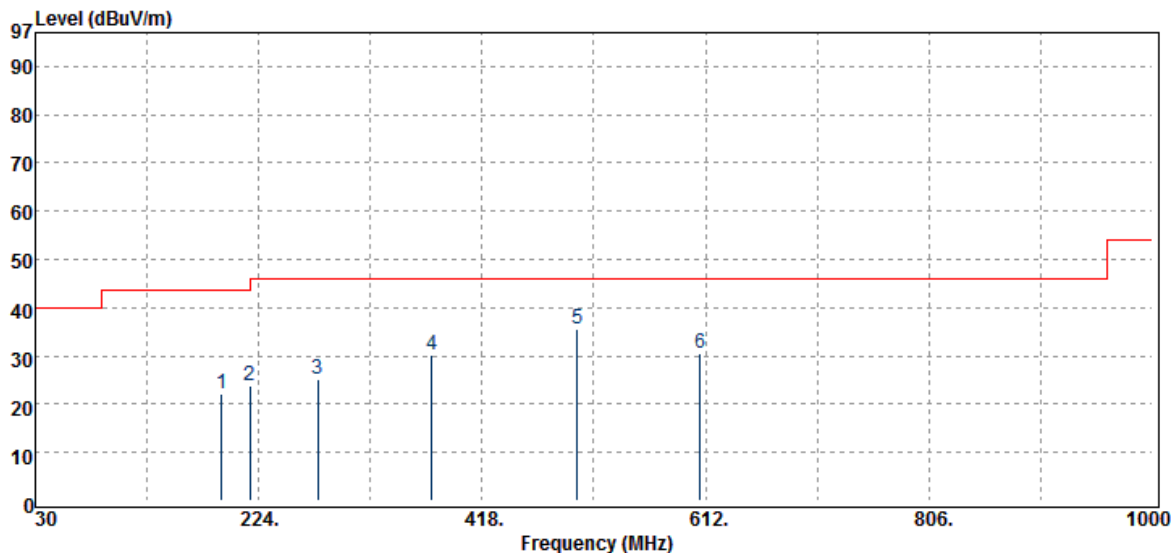
f (886-2) 2298-0488

www.tw.sgs.com

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Operation Band :802.11ac80B3
 Fundamental Frequency :5530 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
191.99	Peak	31.23	-9.03	22.20	43.50	-21.30
216.24	Peak	33.10	-9.14	23.96	46.00	-22.04
275.41	Peak	31.51	-6.38	25.13	46.00	-20.87
374.35	Peak	34.05	-3.96	30.09	46.00	-15.91
500.45	Peak	37.89	-2.36	35.53	46.00	-10.47
607.15	Peak	31.09	-0.38	30.71	46.00	-15.29

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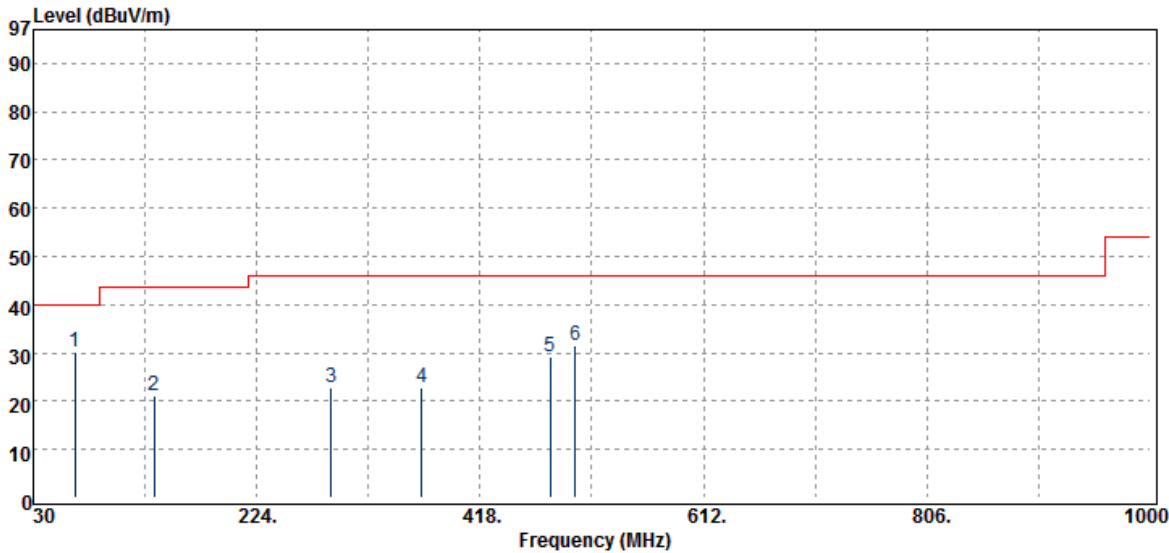
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802.11ac VHT80, 5725~5850 MHz

Operation Band :802.11ac80B4
Fundamental Frequency :5775 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
65.89	Peak	39.45	-9.20	30.25	40.00	-9.75
134.76	Peak	29.61	-8.55	21.06	43.50	-22.44
288.99	Peak	28.53	-5.86	22.67	46.00	-23.33
367.56	Peak	26.94	-4.01	22.93	46.00	-23.07
479.11	Peak	31.44	-2.10	29.34	46.00	-16.66
500.45	Peak	33.77	-2.36	31.41	46.00	-14.59

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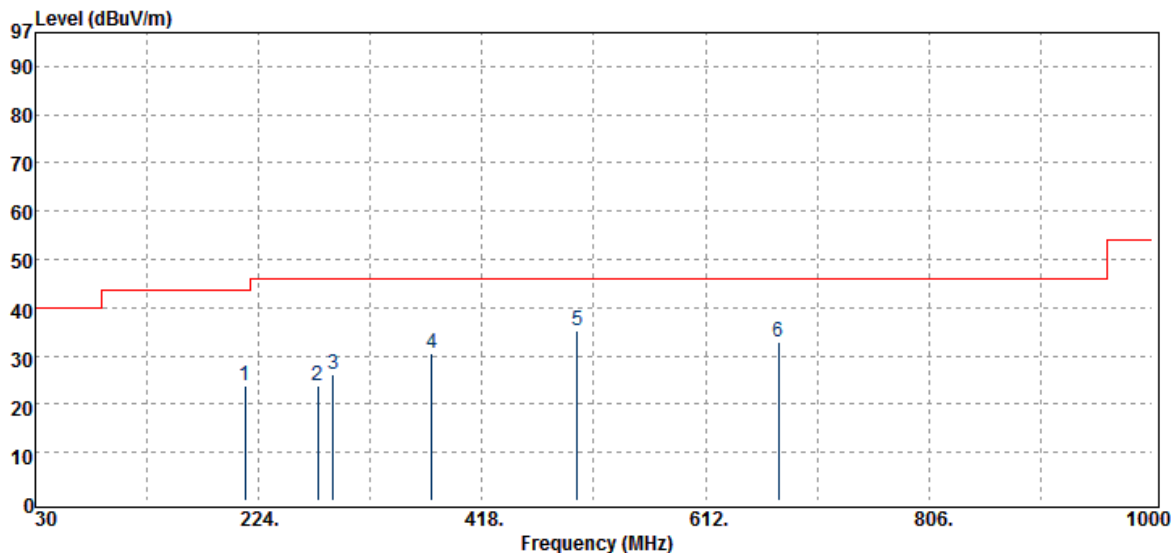
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

Operation Band :802.11ac80B4
Fundamental Frequency :5775 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
212.36	Peak	32.91	-9.20	23.71	43.50	-19.79
275.41	Peak	30.23	-6.38	23.85	46.00	-22.15
288.99	Peak	32.01	-5.86	26.15	46.00	-19.85
374.35	Peak	34.55	-3.96	30.59	46.00	-15.41
500.45	Peak	37.62	-2.36	35.26	46.00	-10.74
675.05	Peak	31.65	1.37	33.02	46.00	-12.98

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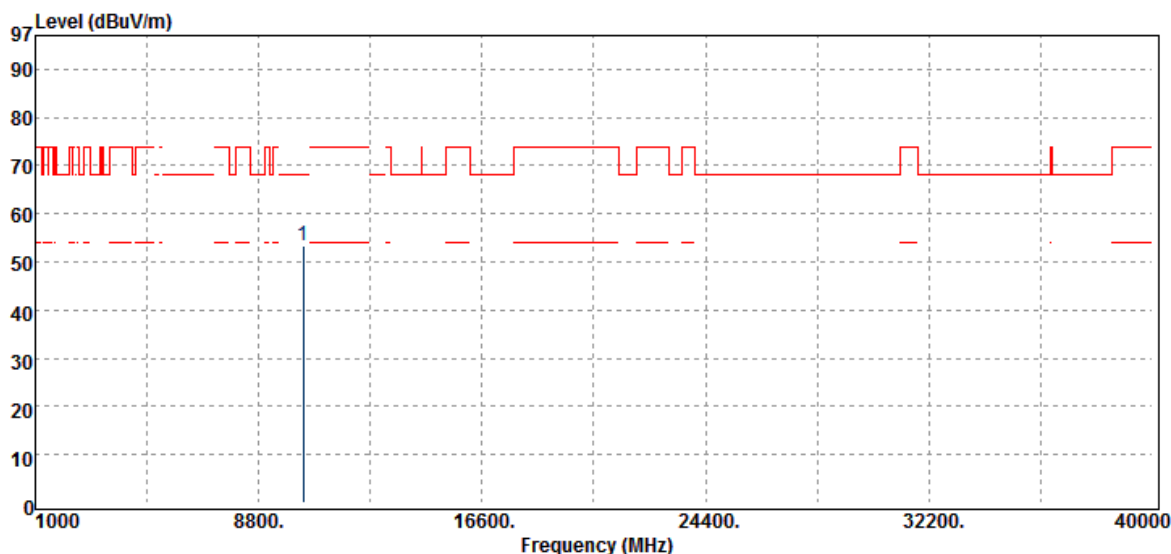
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Above 1GHz Worst-Case Data:

External Antenna (Type: Dipole antenna, Model No.: R380500314)

Radiated Spurious Emission Measurement Result 802.11a, 5150~5250 MHz

Operation Band	:802.11aB1	Test Date	:2018-09-20
Fundamental Frequency	:5180 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	33.76	19.71	53.47	68.20	-14.73

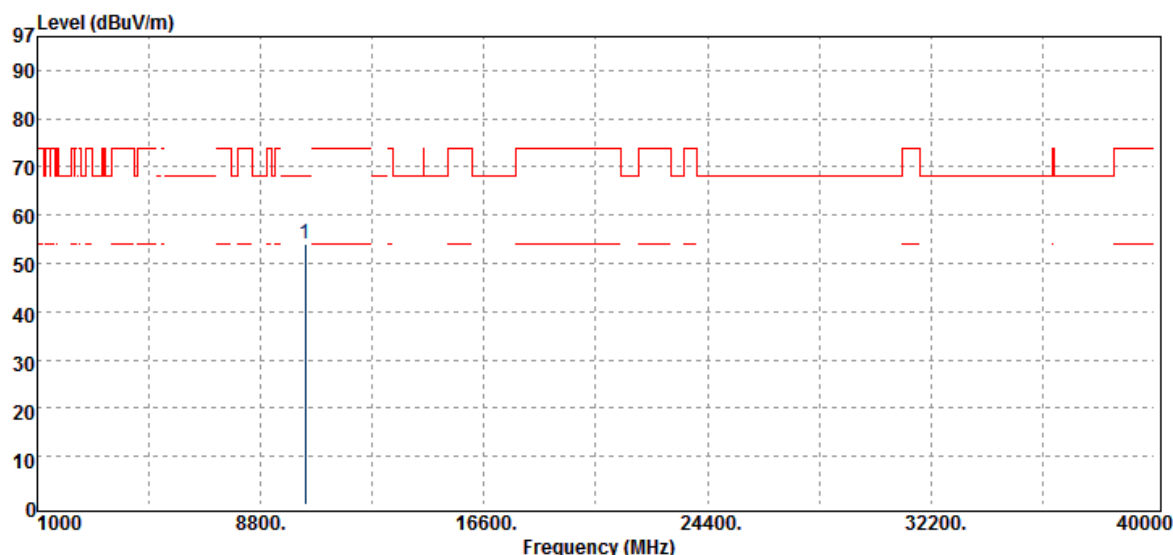
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Operation Band :802.11aB1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	34.28	19.71	53.99	68.20	-14.21

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Operation Band	:802.11aB1	Test Date	:2018-09-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.11	20.05	53.16	68.20	-15.04

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Operation Band	:802.11aB1	Test Date	:2018-09-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.77	20.05	53.82	68.20	-14.38

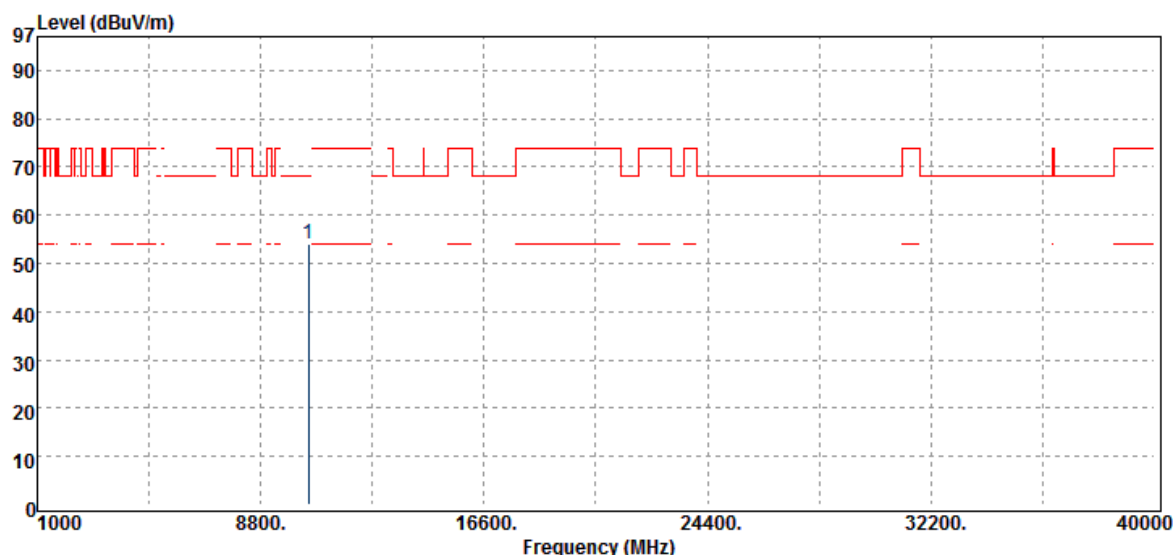
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Operation Band :802.11aB1
Fundamental Frequency :5240 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	33.98	20.07	54.05	68.20	-14.15

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Operation Band	:802.11aB1	Test Date	:2018-09-20
Fundamental Frequency	:5240 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	34.37	20.07	54.44	68.20	-13.76

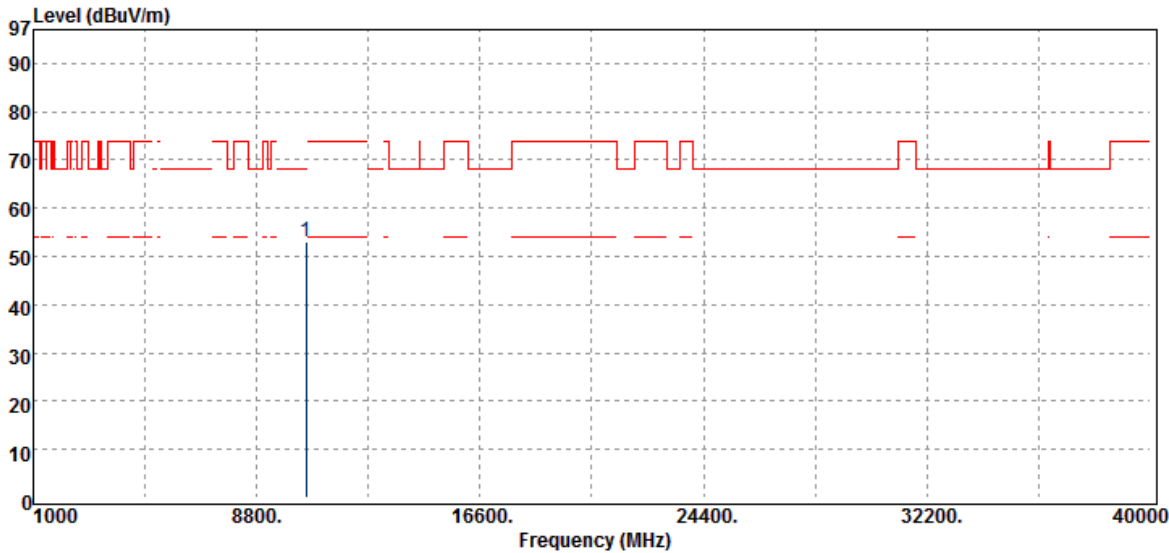
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Radiated Spurious Emission Measurement Result 802.11a, 5250MHz-5350MHz

Operation Band	:802.11aB2	Test Date	:2018-09-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.19	20.00	53.19	68.20	-15.01

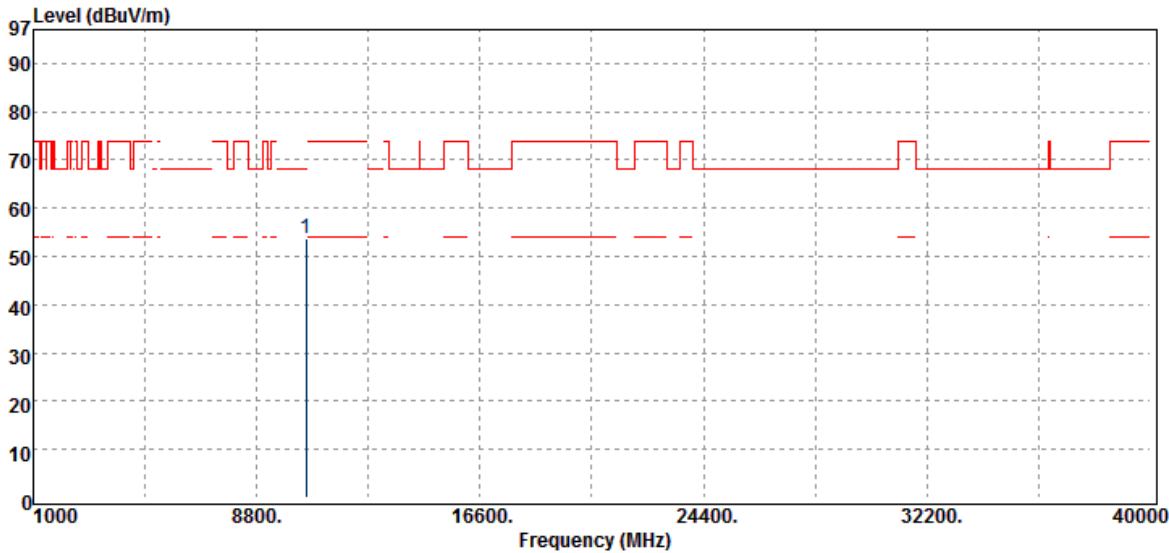
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Operation Band :802.11aB2
Fundamental Frequency :5260 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



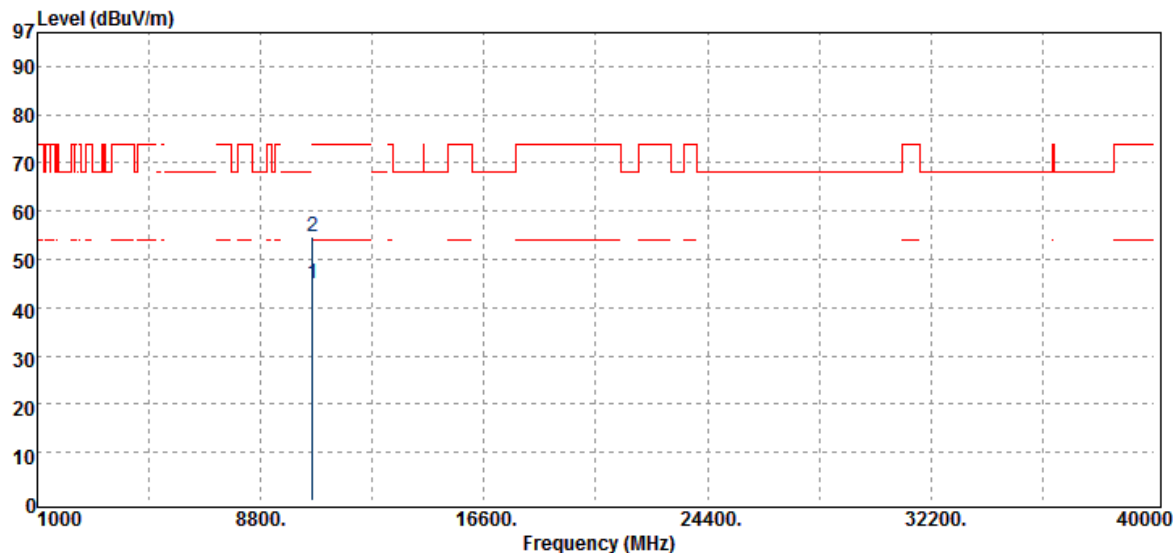
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.68	20.00	53.68	68.20	-14.52

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Operation Band	:802.11aB2	Test Date	:2018-09-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



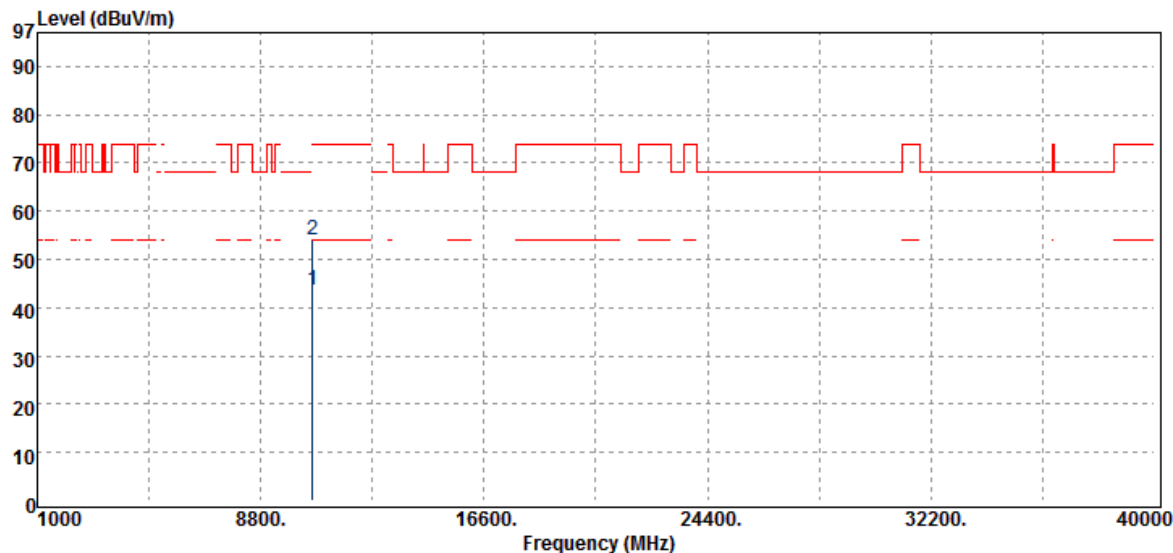
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	24.67	20.38	45.05	54.00	-8.95
10600.00	Peak	34.18	20.38	54.56	74.00	-19.44

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Operation Band	:802.11aB2	Test Date	:2018-09-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	23.37	20.38	43.75	54.00	-10.25
10600.00	Peak	33.81	20.38	54.19	74.00	-19.81

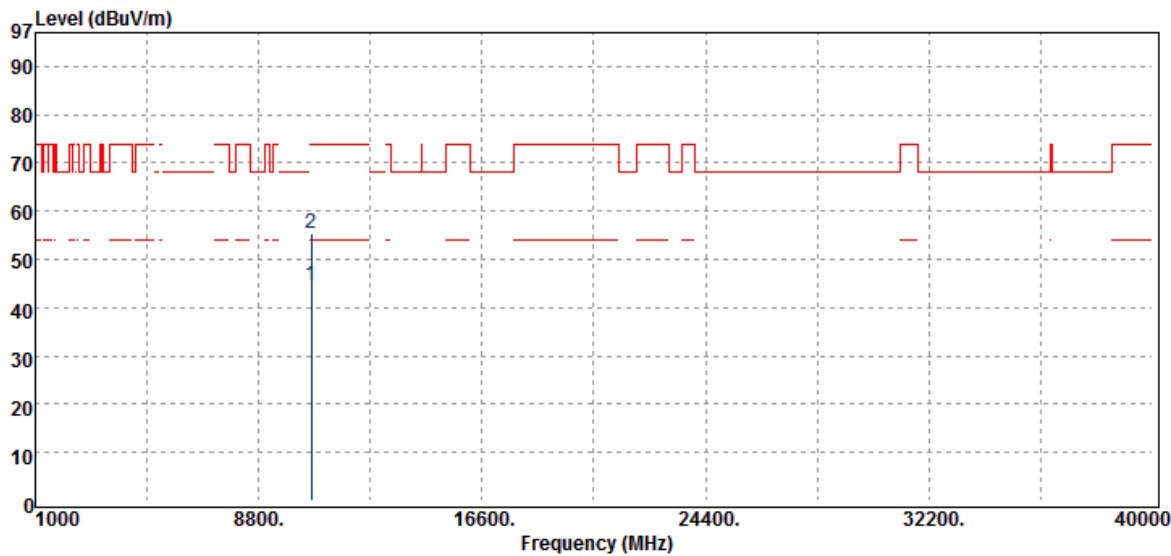
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Operation Band :802.11aB2
 Fundamental Frequency :5320 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



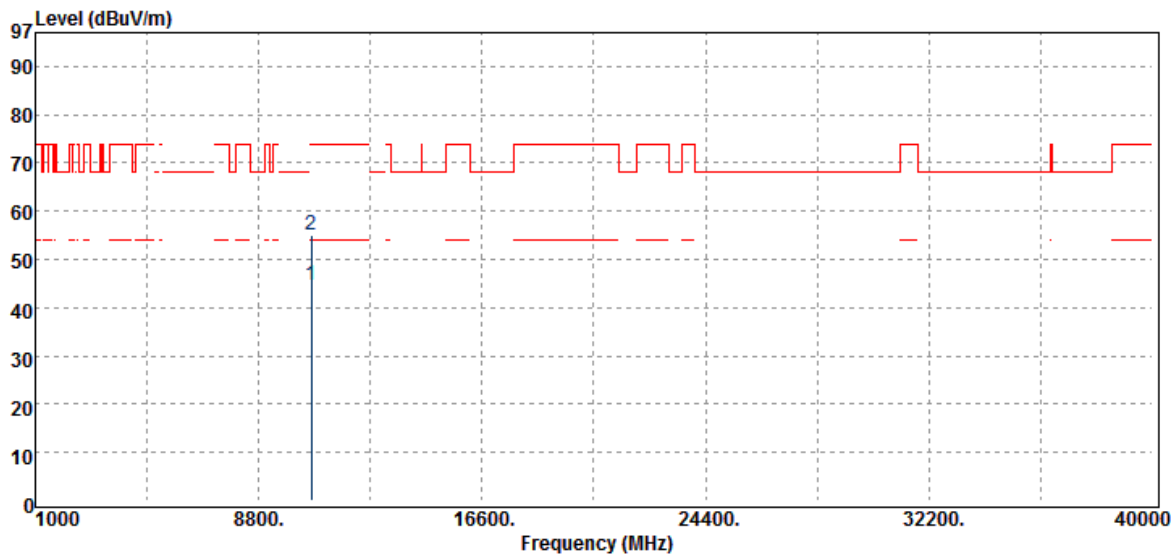
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	24.33	20.44	44.77	54.00	-9.23
10640.00	Peak	34.79	20.44	55.23	74.00	-18.77

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Operation Band	:802.11aB2	Test Date	:2018-09-20
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	24.23	20.44	44.67	54.00	-9.33
10640.00	Peak	34.49	20.44	54.93	74.00	-19.07

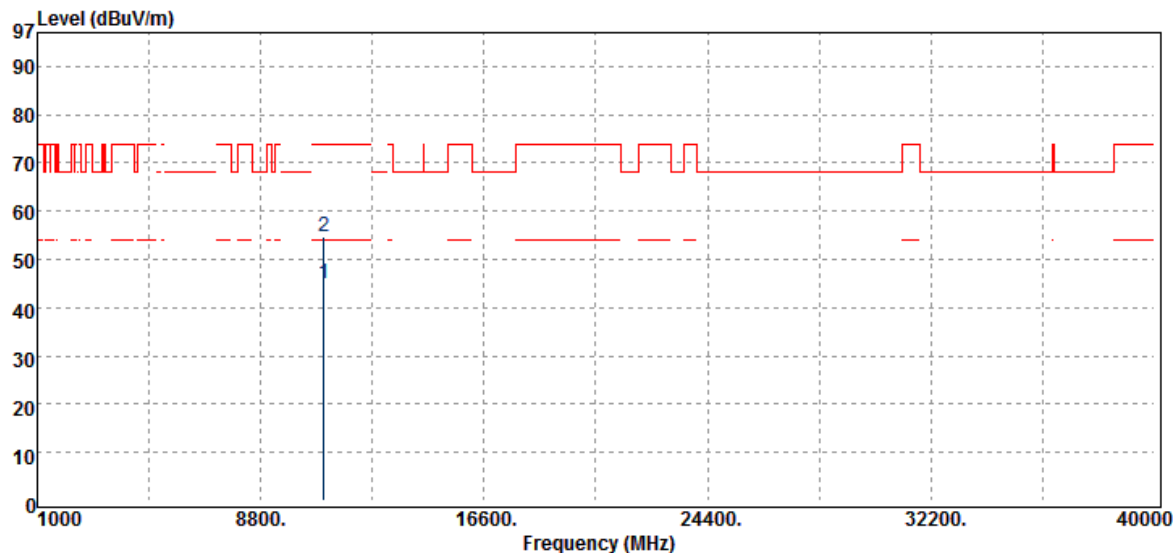
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Radiated Spurious Emission Measurement Result 802.11a, 5470~5725 MHz

Operation Band	:802.11aB3	Test Date	:2018-09-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



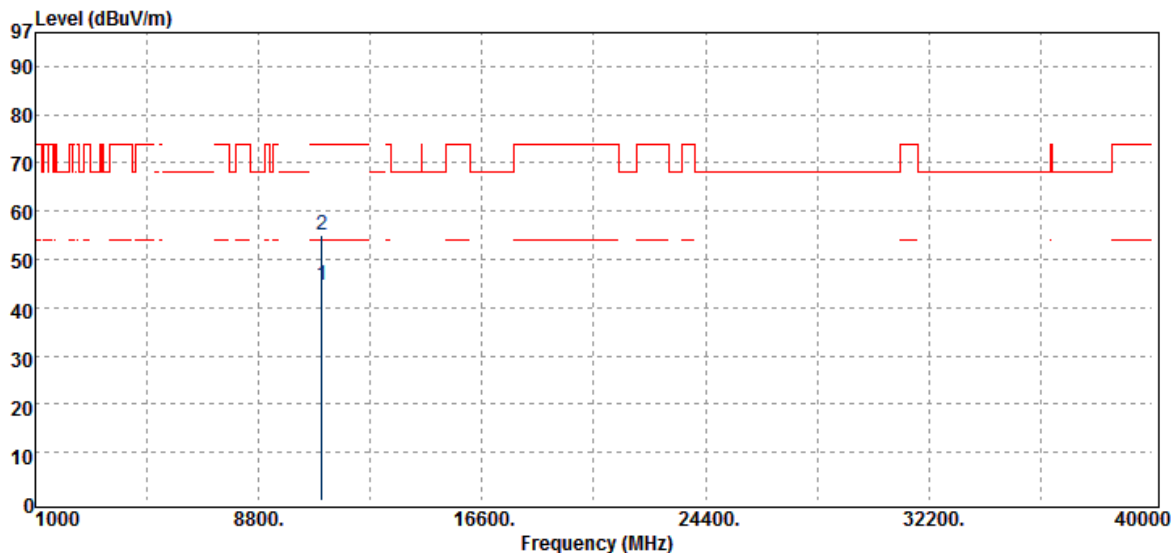
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	23.71	21.37	45.08	54.00	-8.92
11000.00	Peak	33.50	21.37	54.87	74.00	-19.13

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Operation Band	:802.11aB3	Test Date	:2018-09-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	23.27	21.37	44.64	54.00	-9.36
11000.00	Peak	33.78	21.37	55.15	74.00	-18.85

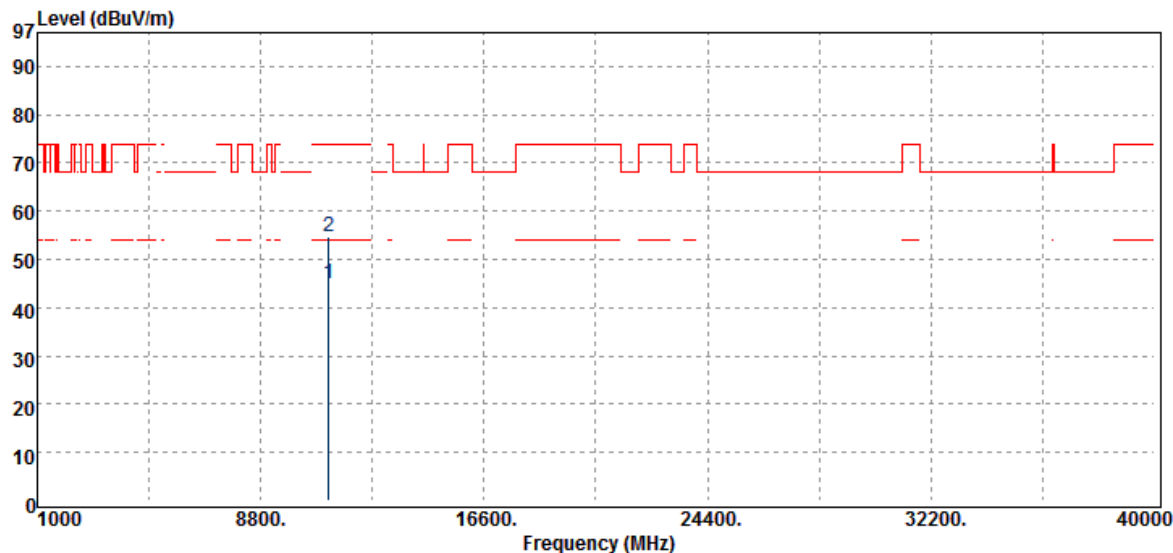
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	23.41	21.51	44.92	54.00	-9.08
11160.00	Peak	33.36	21.51	54.87	74.00	-19.13

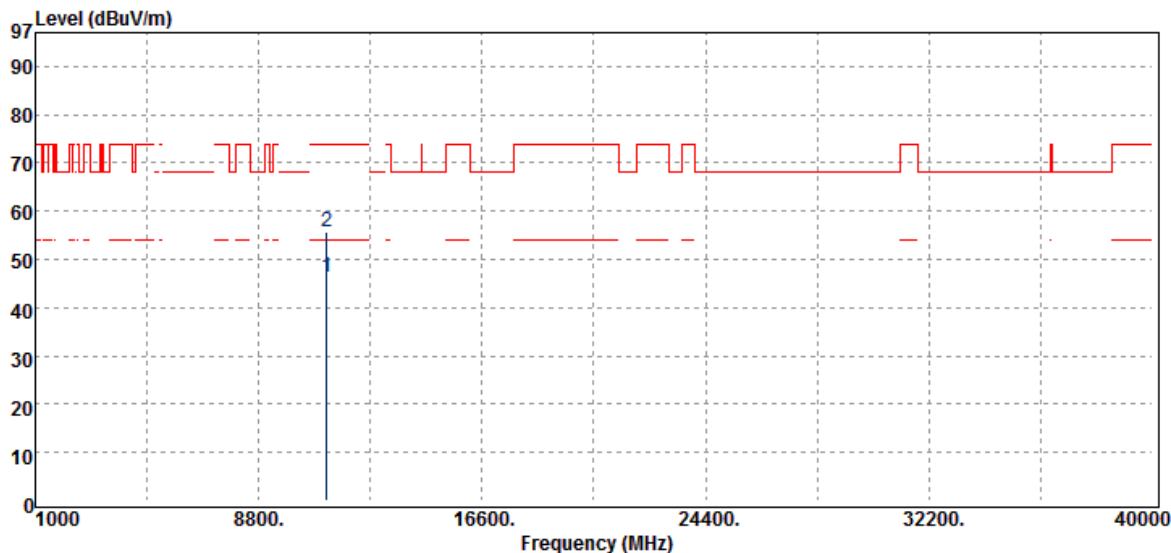
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



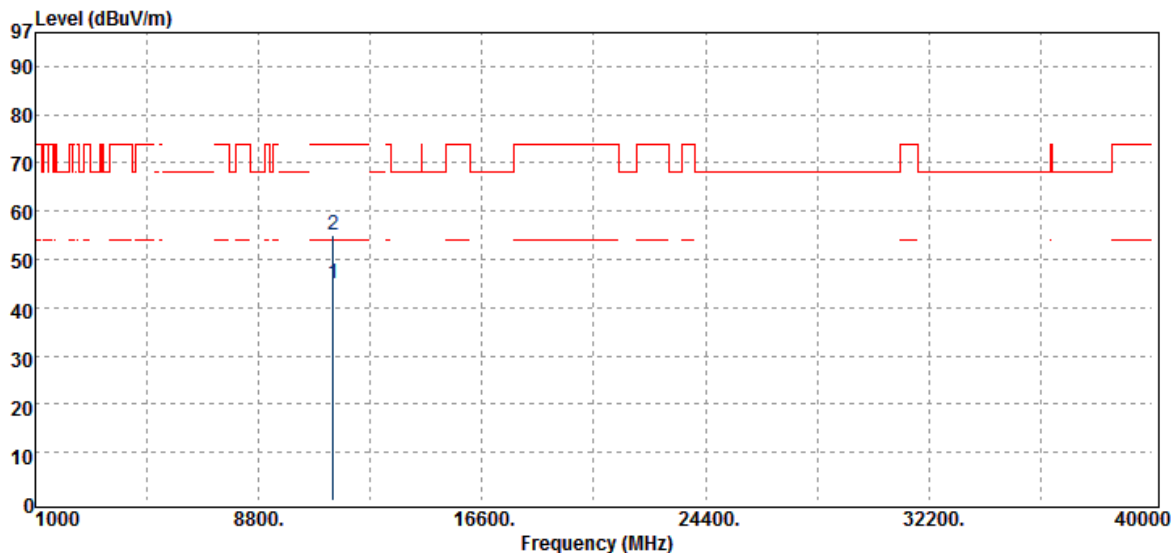
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	24.71	21.51	46.22	54.00	-7.78
11160.00	Peak	34.06	21.51	55.57	74.00	-18.43

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Operation Band	:802.11aB3	Test Date	:2018-09-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



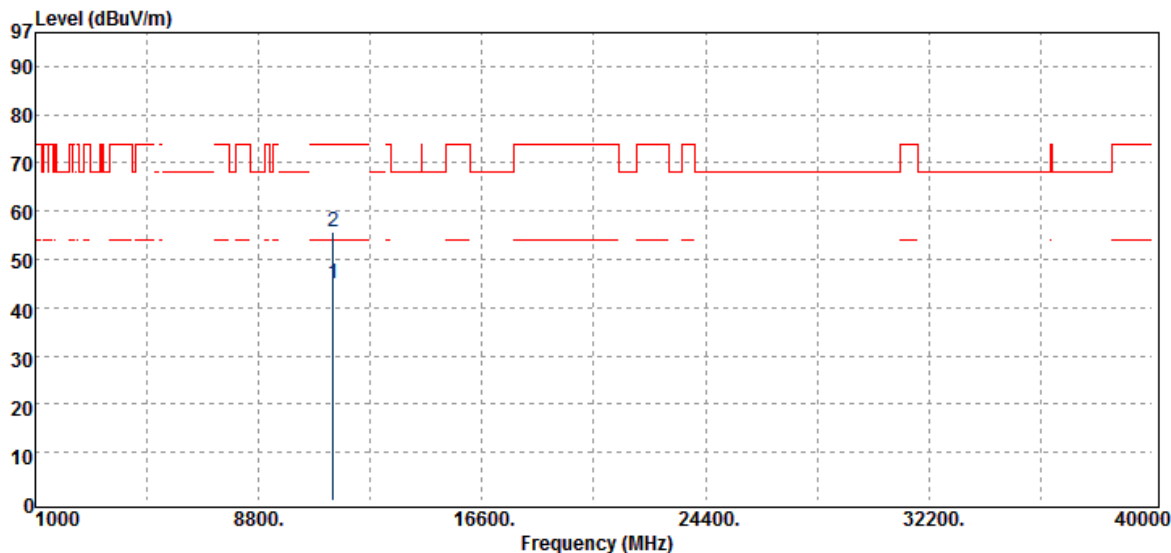
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	23.37	21.62	44.99	54.00	-9.01
11400.00	Peak	33.50	21.62	55.12	74.00	-18.88

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Operation Band	:802.11aB3	Test Date	:2018-09-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	23.47	21.62	45.09	54.00	-8.91
11400.00	Peak	33.98	21.62	55.60	74.00	-18.40

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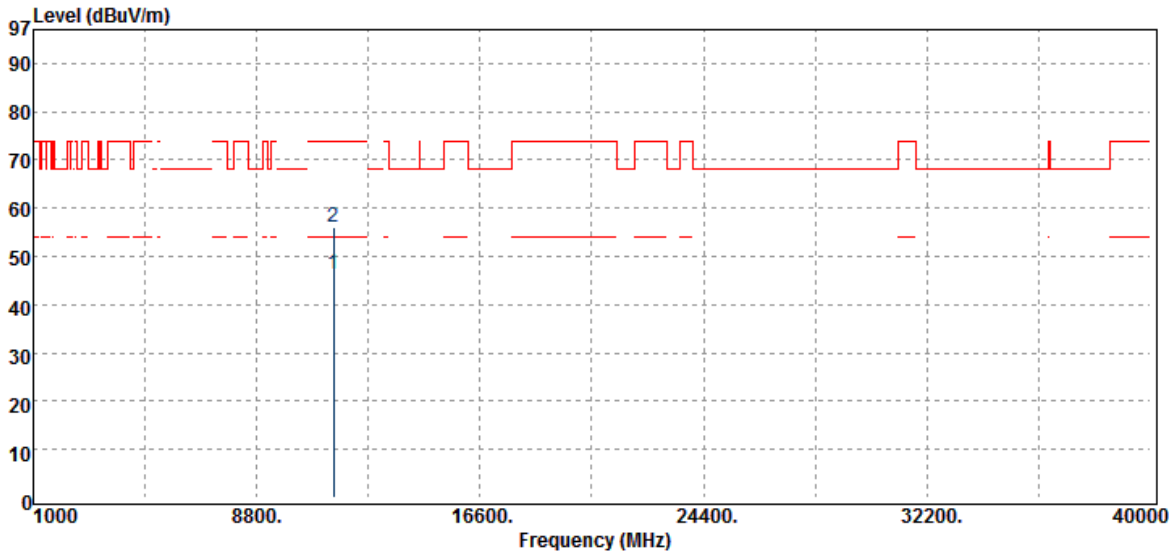
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Radiated Spurious Emission Measurement Result 802.11a, 5725~5850 MHz

Operation Band :802.11aB4
 Fundamental Frequency :5745 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	24.62	21.61	46.23	54.00	-7.77
11490.00	Peak	34.43	21.61	56.04	74.00	-17.96

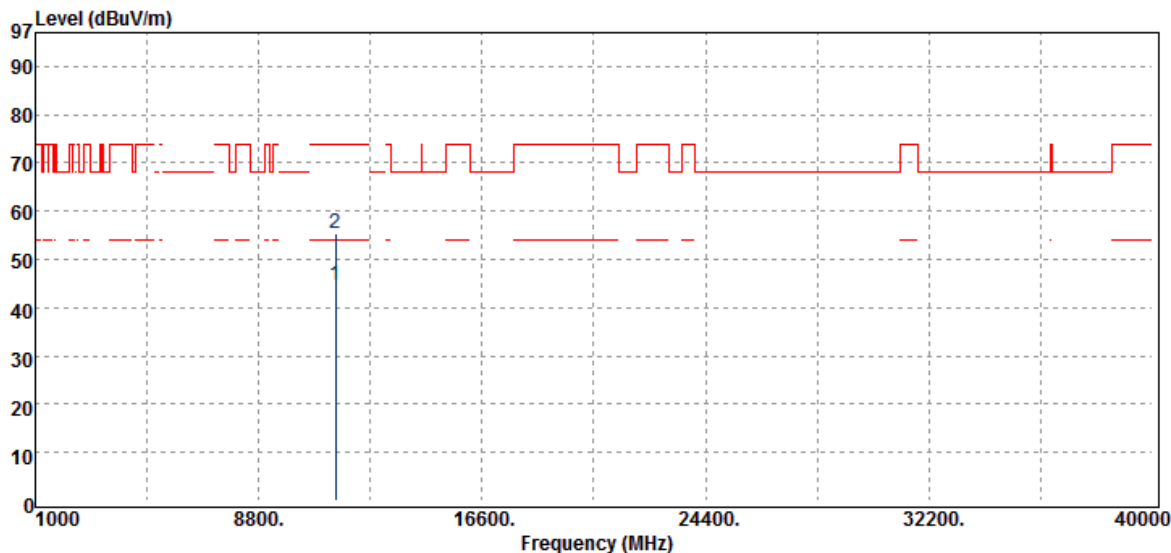
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Operation Band :802.11aB4
 Fundamental Frequency :5745 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



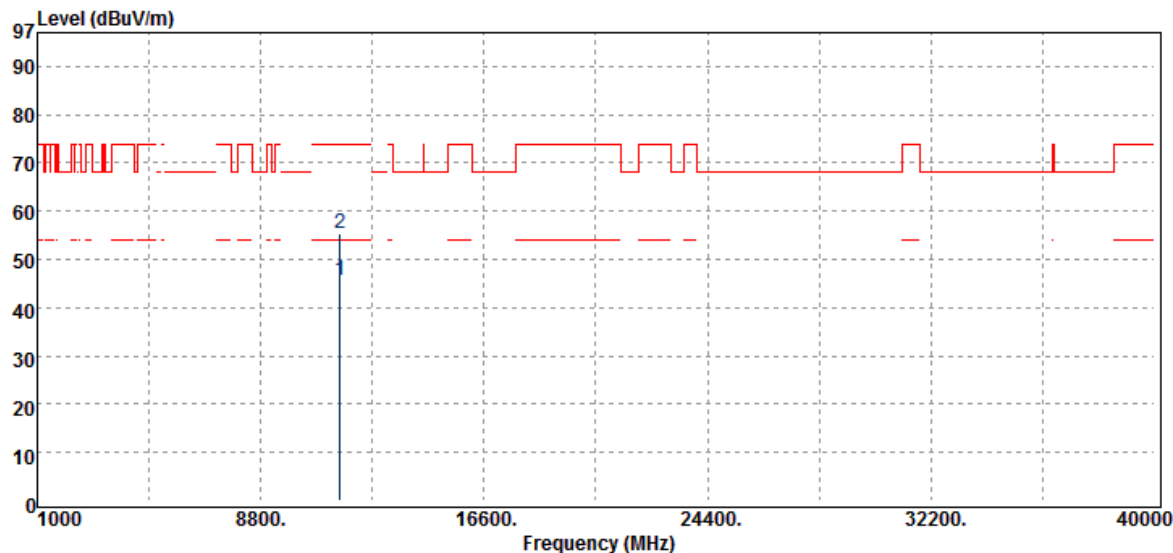
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	23.12	21.61	44.73	54.00	-9.27
11490.00	Peak	33.71	21.61	55.32	74.00	-18.68

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Operation Band	:802.11aB4	Test Date	:2018-09-20
Fundamental Frequency	:5785 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11570.00	Average	23.98	21.66	45.64	54.00	-8.36
11570.00	Peak	33.60	21.66	55.26	74.00	-18.74

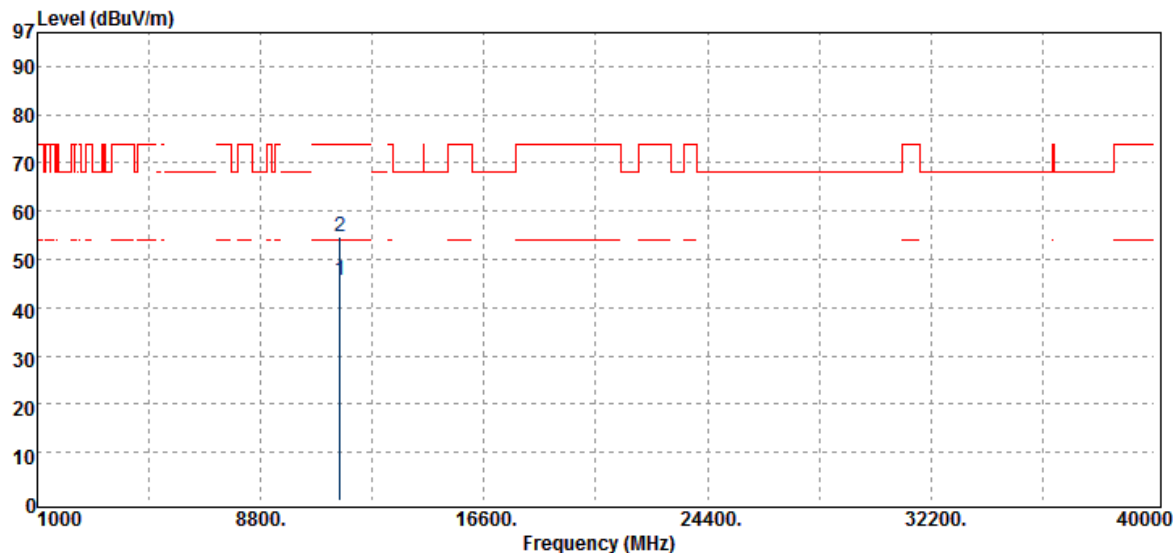
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Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



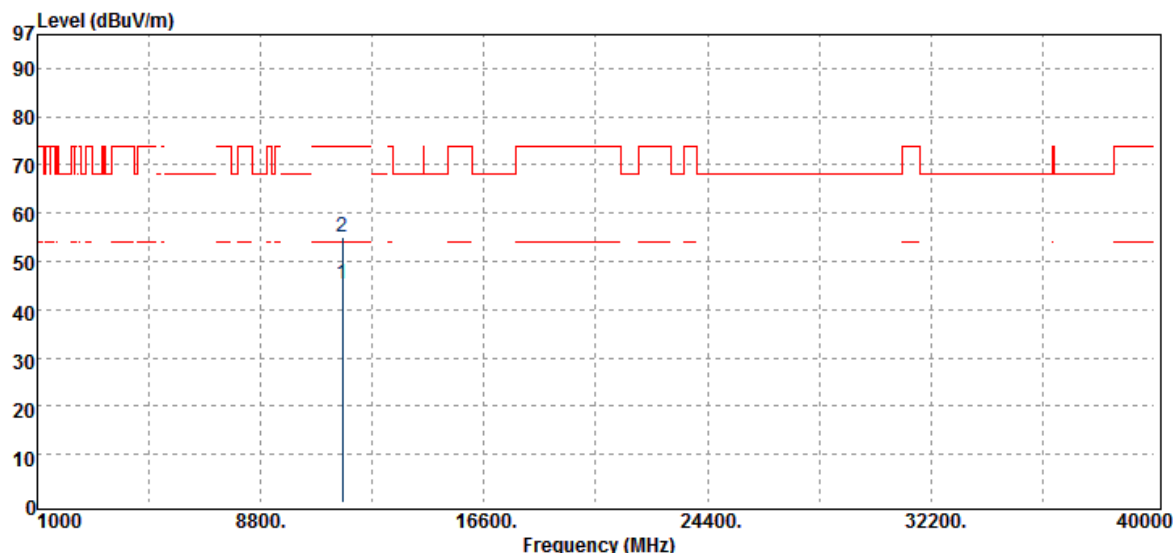
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.88	21.66	45.54	54.00	-8.46
11570.00	Peak	33.22	21.66	54.88	74.00	-19.12

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Operation Band	:802.11aB4	Test Date	:2018-09-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



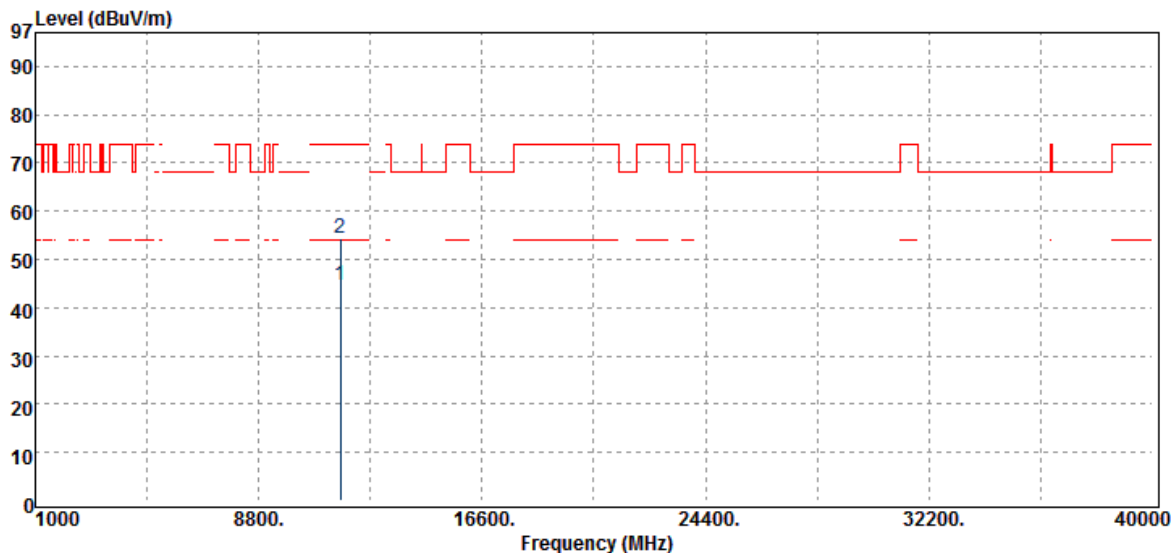
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	23.69	21.60	45.29	54.00	-8.71
11650.00	Peak	33.55	21.60	55.15	74.00	-18.85

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Operation Band	:802.11aB4	Test Date	:2018-09-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	22.97	21.60	44.57	54.00	-9.43
11650.00	Peak	32.90	21.60	54.50	74.00	-19.50

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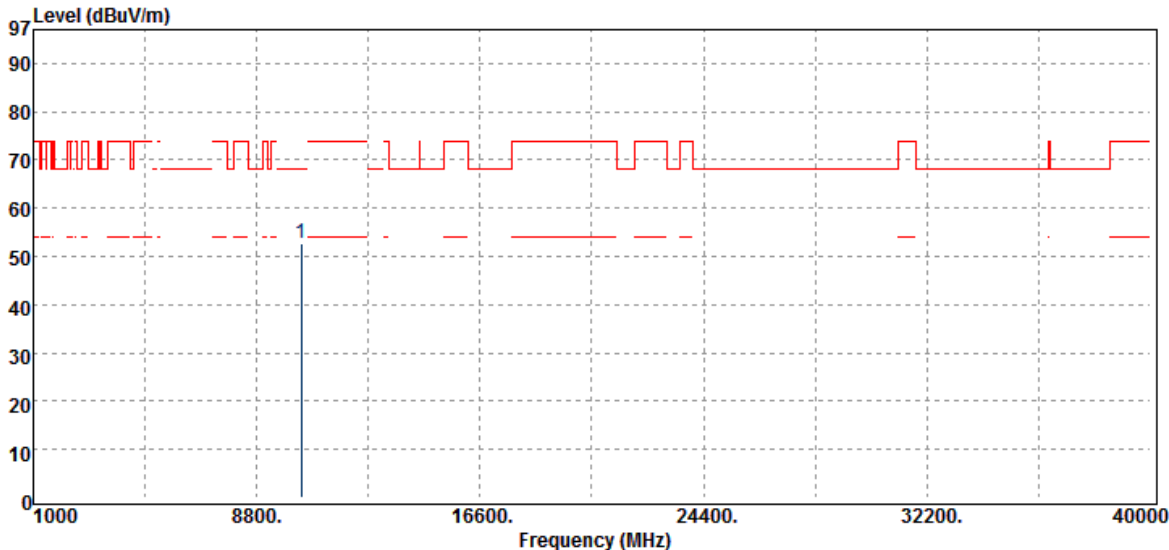
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5150~5250 MHz

Operation Band :802.11n20B1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	33.14	19.71	52.85	68.20	-15.35

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SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

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Member of SGS Group

Operation Band :802.11n20B1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	33.77	19.71	53.48	68.20	-14.72

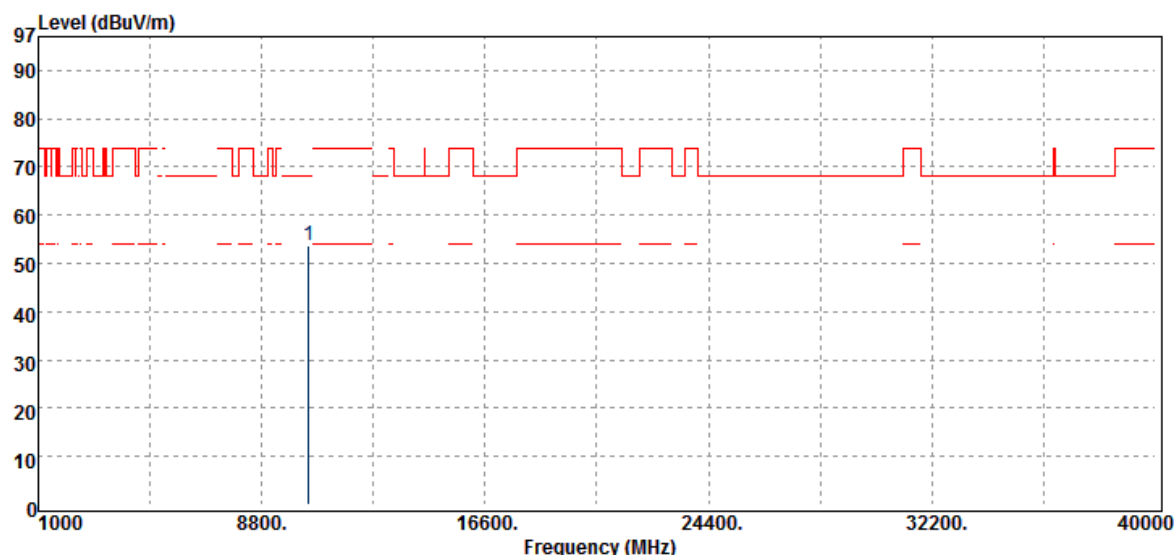
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Operation Band :802.11n20B1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.74	20.05	53.79	68.20	-14.41

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Operation Band	:802.11n20B1	Test Date	:2018-09-20
Fundamental Frequency	:5220 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.58	20.05	53.63	68.20	-14.57

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Operation Band	:802.11n20B1	Test Date	:2018-09-20
Fundamental Frequency	:5240 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	33.69	20.07	53.76	68.20	-14.44

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Operation Band :802.11n20B1
Fundamental Frequency :5240 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	34.08	20.07	54.15	68.20	-14.05

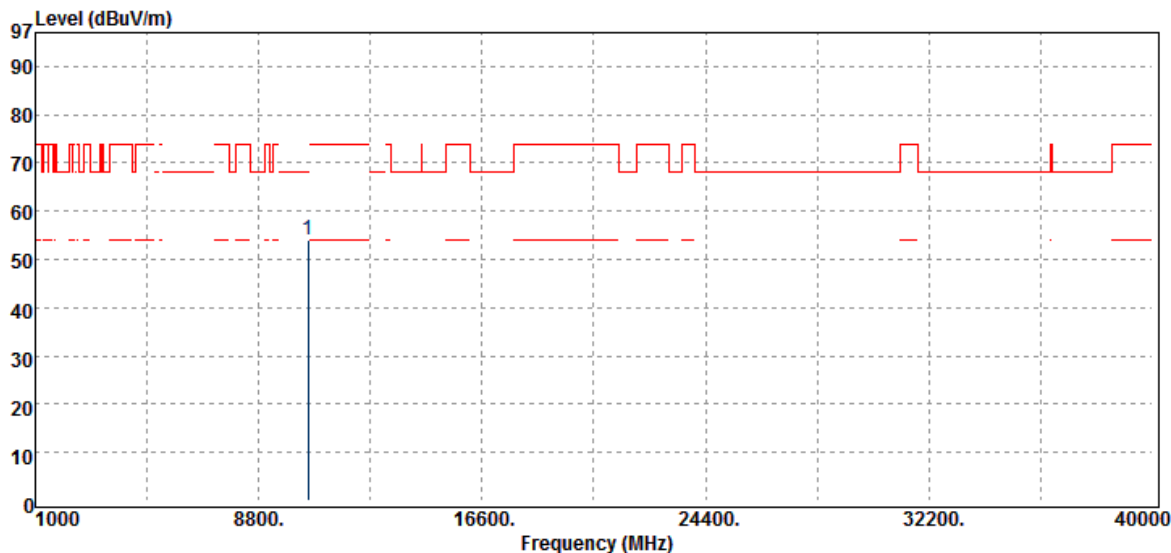
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5250~5350 MHz

Operation Band	:802.11n20B2	Test Date	:2018-09-20
Fundamental Frequency	:5260 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.94	20.00	53.94	68.20	-14.26

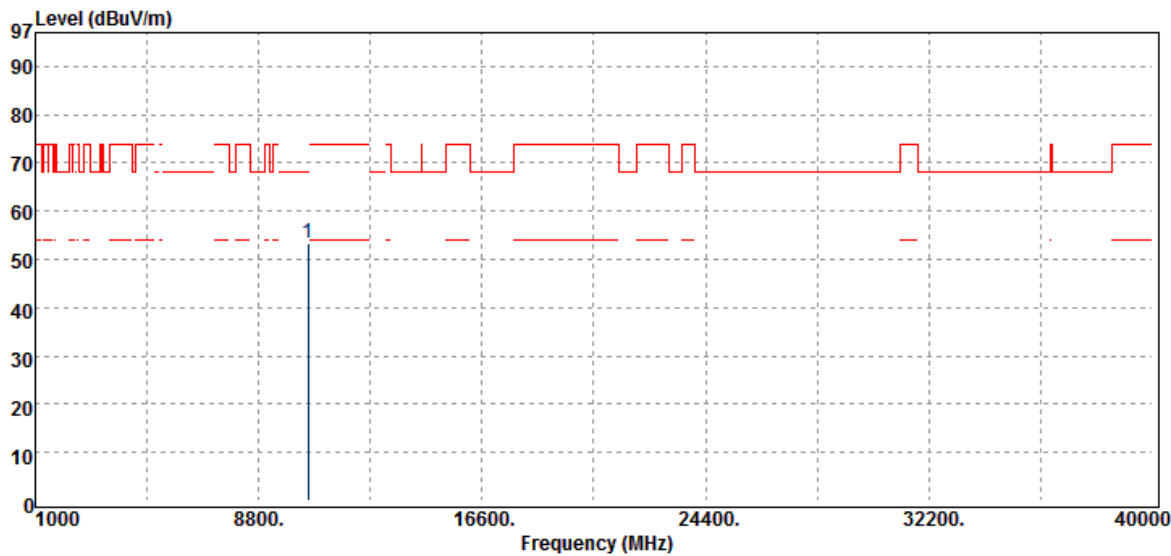
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Operation Band :802.11n20B2
Fundamental Frequency :5260 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



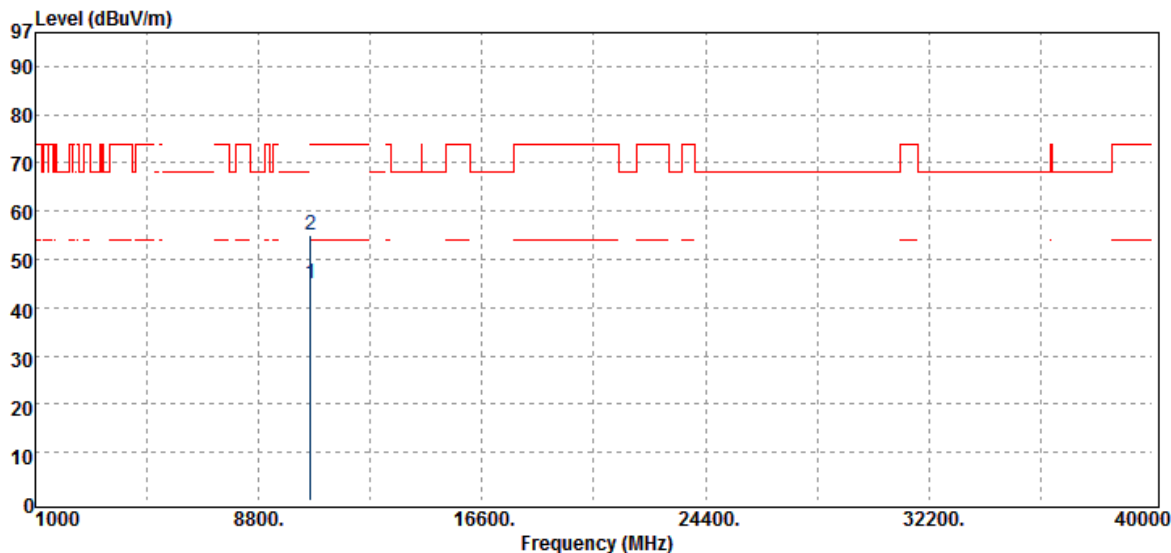
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.43	20.00	53.43	68.20	-14.77

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Operation Band	:802.11n20B2	Test Date	:2018-09-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



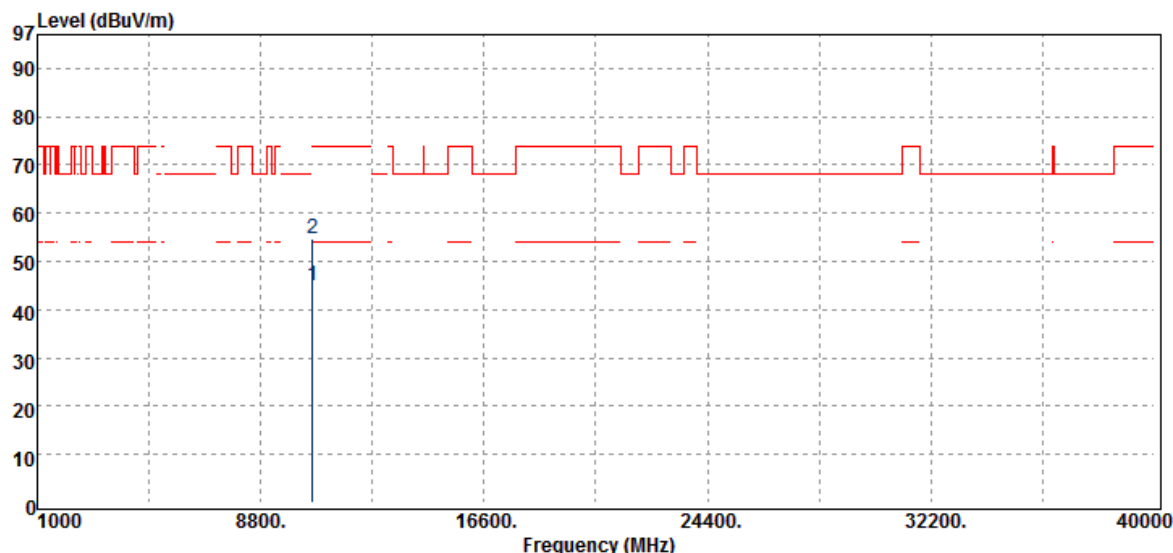
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	24.63	20.38	45.01	54.00	-8.99
10600.00	Peak	34.76	20.38	55.14	74.00	-18.86

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Operation Band	:802.11n20B2	Test Date	:2018-09-20
Fundamental Frequency	:5300 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	24.47	20.38	44.85	54.00	-9.15
10600.00	Peak	34.23	20.38	54.61	74.00	-19.39

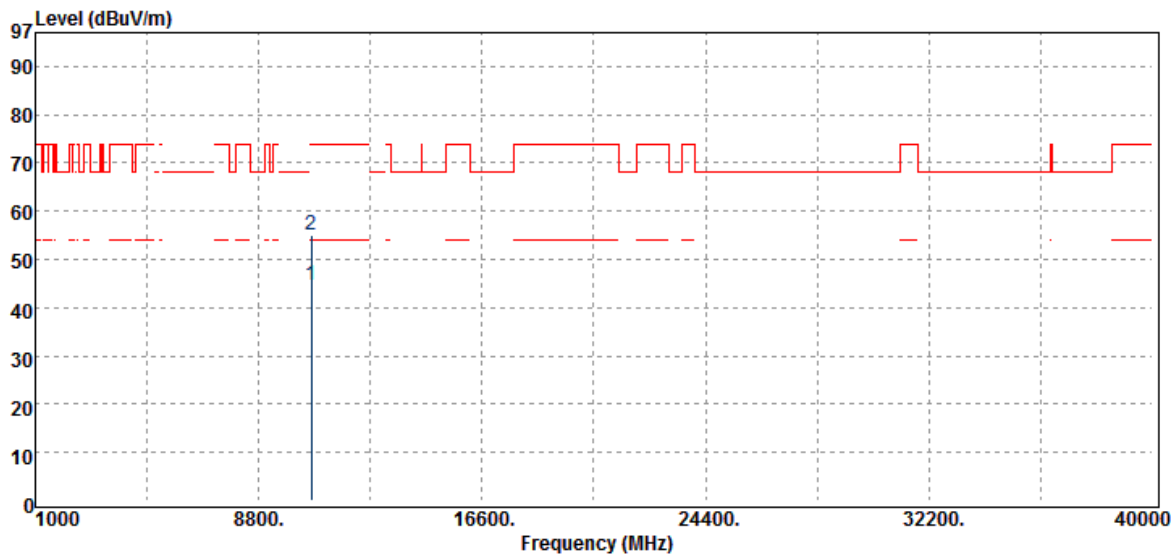
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Operation Band :802.11n20B2
 Fundamental Frequency :5320 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.00	Average	24.28	20.44	44.72	54.00	-9.28
10640.00	Peak	34.71	20.44	55.15	74.00	-18.85

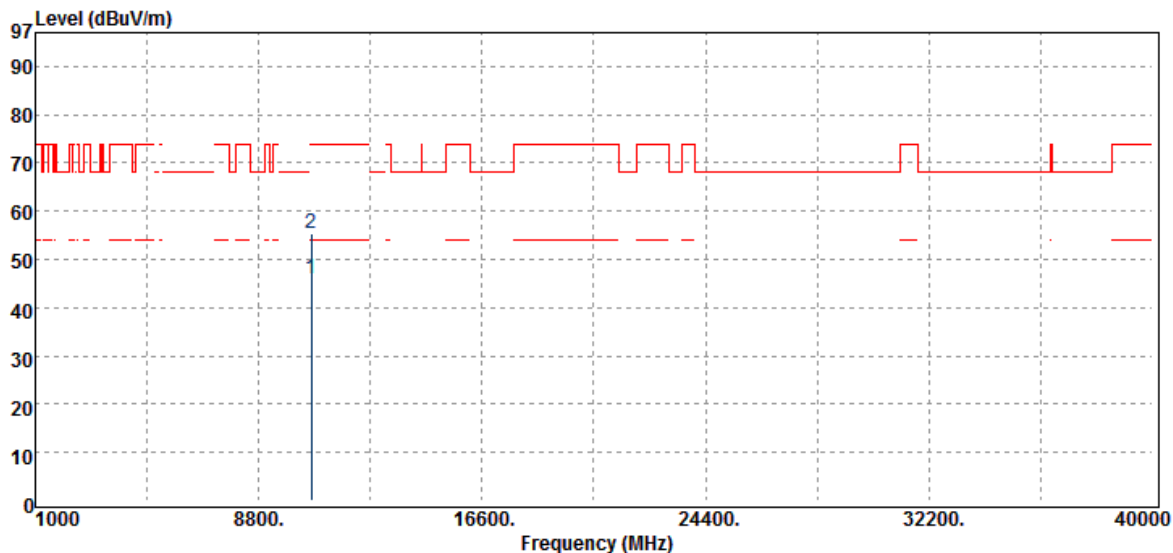
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Operation Band :802.11n20B2
Fundamental Frequency :5320 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	25.38	20.44	45.82	54.00	-8.18
10640.00	Peak	35.04	20.44	55.48	74.00	-18.52

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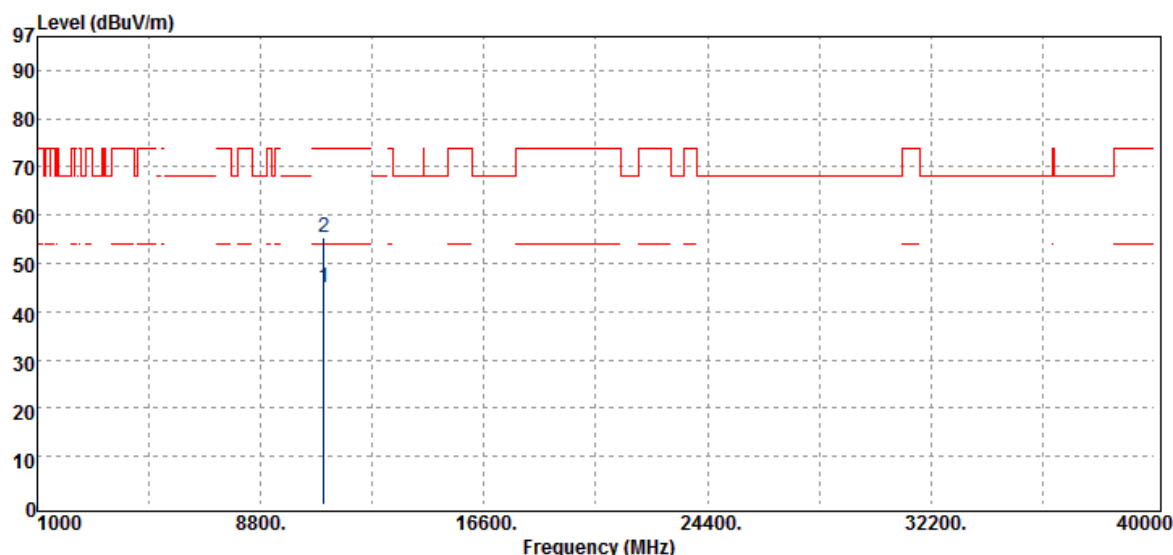
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5470~5725 MHz

Operation Band :802.11n20B3
 Fundamental Frequency :5500 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.00	Average	23.75	21.37	45.12	54.00	-8.88
11000.00	Peak	33.98	21.37	55.35	74.00	-18.65

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SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

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

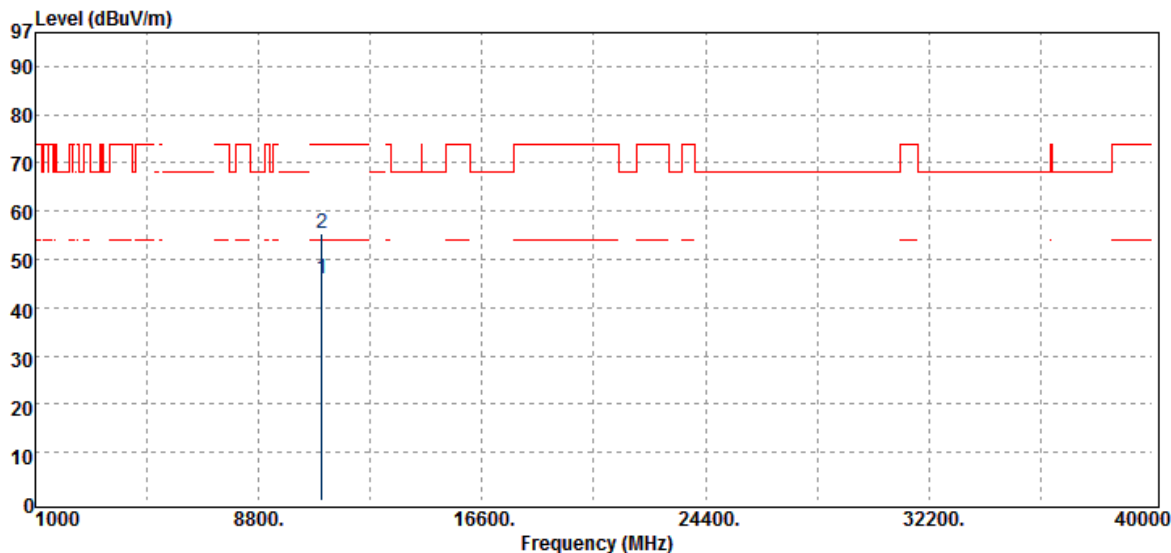
t (886-2) 2299-3279

f (886-2) 2298-0488

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Member of SGS Group

Operation Band	:802.11n20B3	Test Date	:2018-09-20
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11000.00	Average	24.57	21.37	45.94	54.00	-8.06
11000.00	Peak	34.15	21.37	55.52	74.00	-18.48

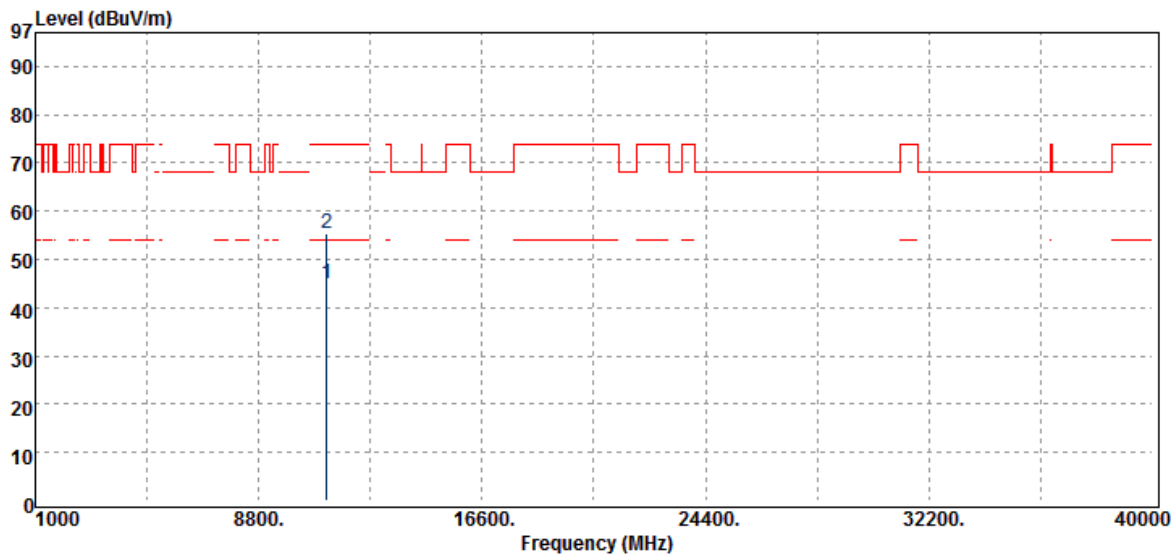
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Operation Band :802.11n20B3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	23.41	21.51	44.92	54.00	-9.08
11160.00	Peak	33.78	21.51	55.29	74.00	-18.71

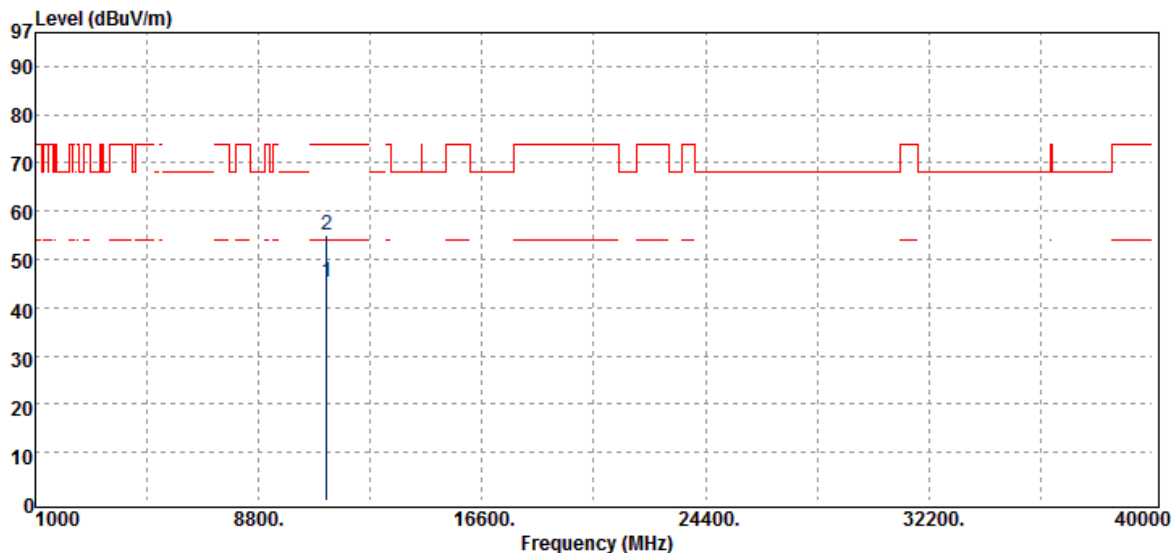
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Operation Band :802.11n20B3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



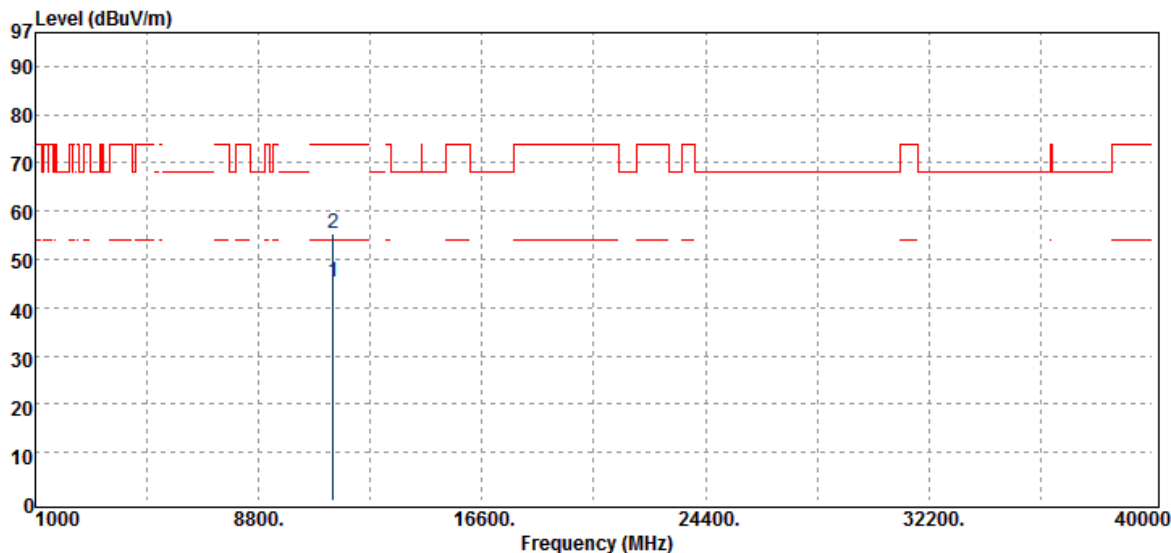
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	23.66	21.51	45.17	54.00	-8.83
11160.00	Peak	33.56	21.51	55.07	74.00	-18.93

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Operation Band	:802.11n20B3	Test Date	:2018-09-20
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11400.00	Average	23.75	21.62	45.37	54.00	-8.63
11400.00	Peak	33.68	21.62	55.30	74.00	-18.70

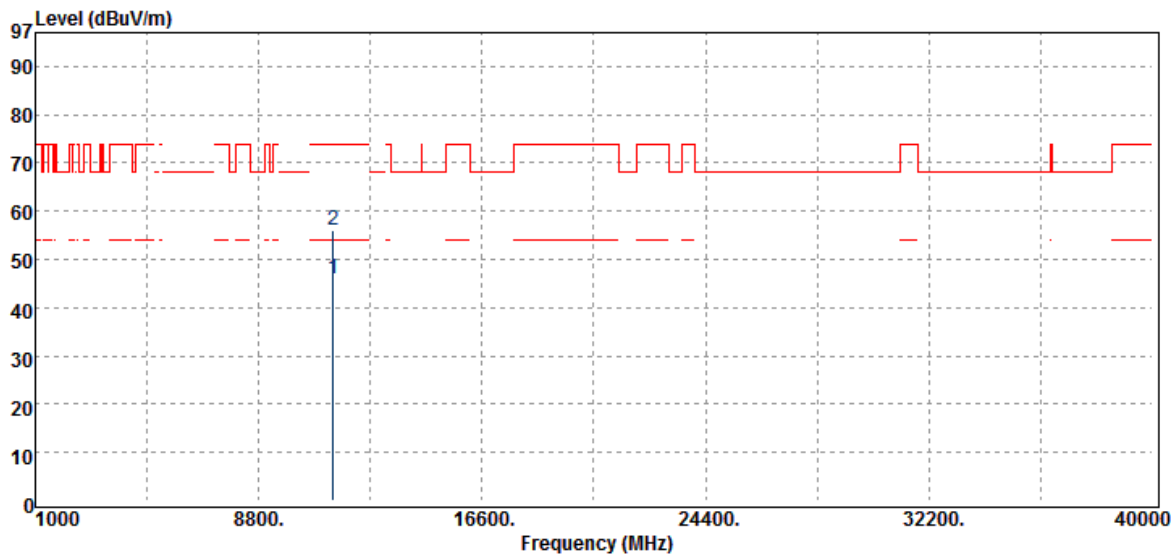
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Operation Band :802.11n20B3
 Fundamental Frequency :5700 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	24.47	21.62	46.09	54.00	-7.91
11400.00	Peak	34.33	21.62	55.95	74.00	-18.05

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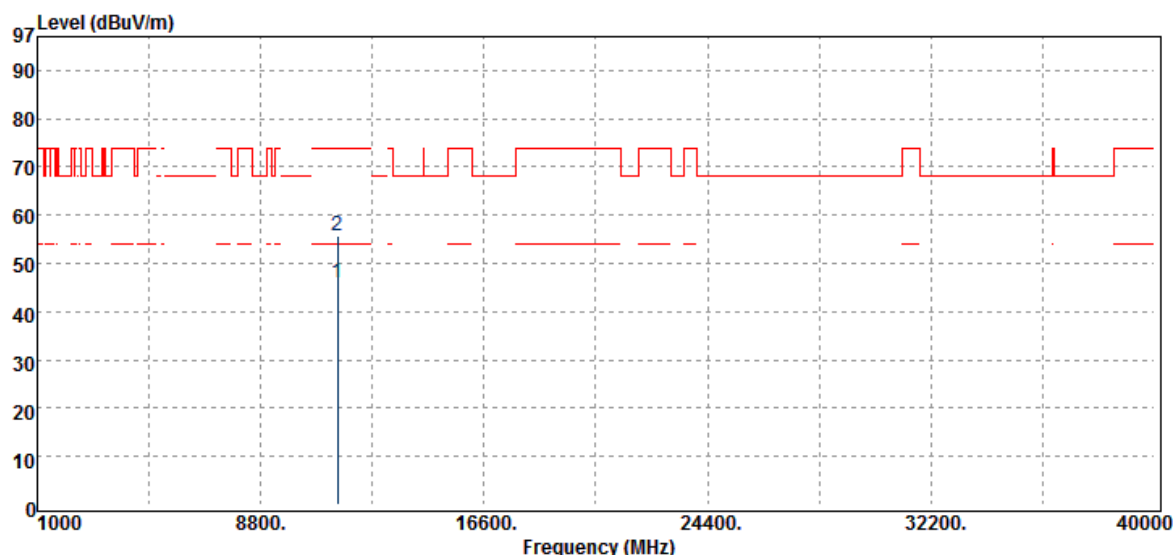
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5725~5850 MHz

Operation Band :802.11n20B4
 Fundamental Frequency :5745 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11490.00	Average	24.43	21.61	46.04	54.00	-7.96
11490.00	Peak	34.15	21.61	55.76	74.00	-18.24

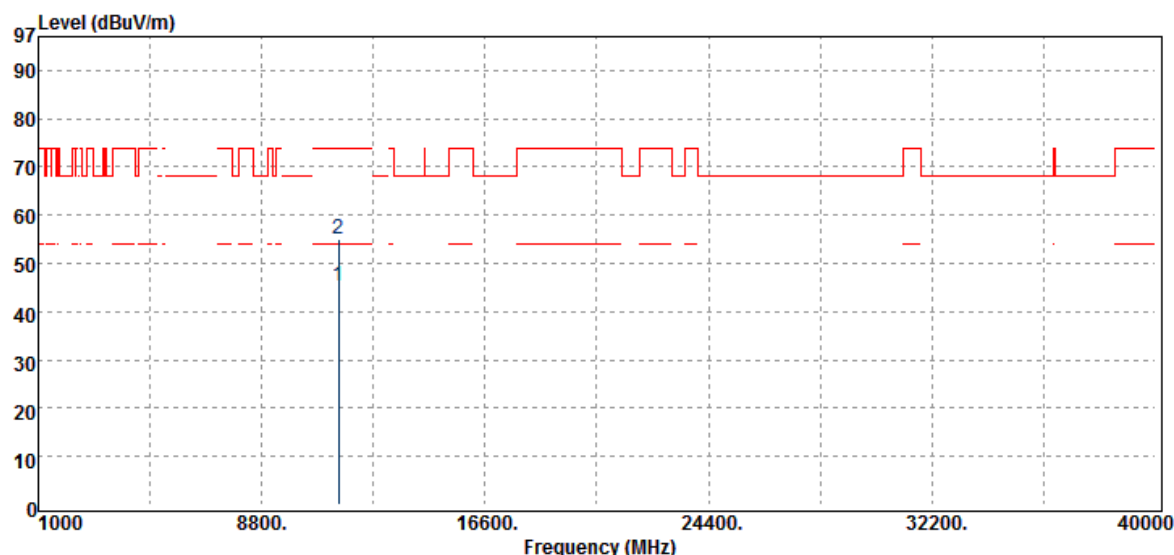
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Operation Band :802.11n20B4
 Fundamental Frequency :5745 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	23.77	21.61	45.38	54.00	-8.62
11490.00	Peak	33.38	21.61	54.99	74.00	-19.01

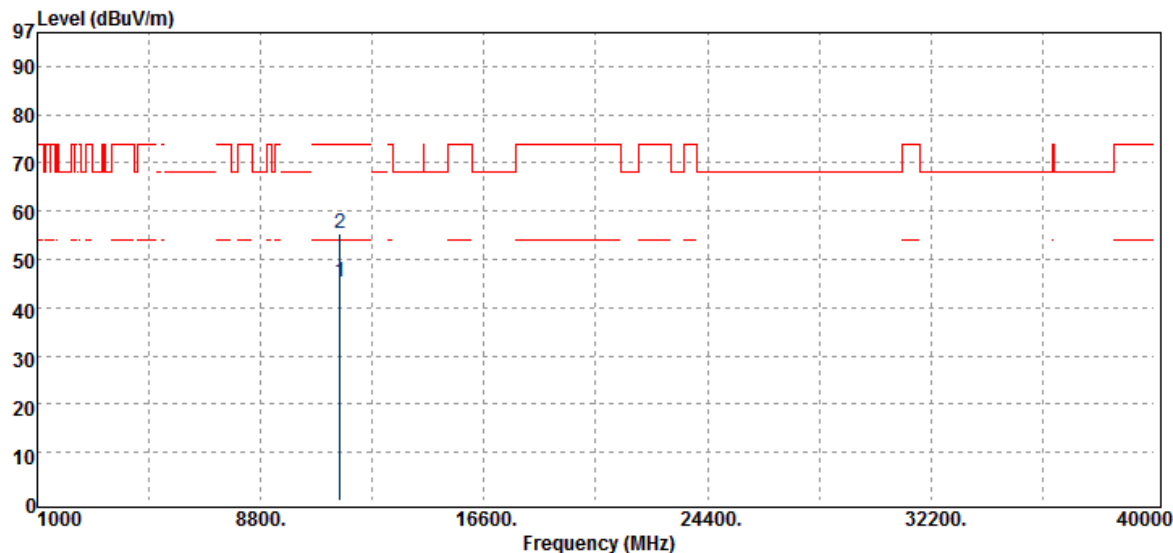
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Operation Band :802.11n20B4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.59	21.66	45.25	54.00	-8.75
11570.00	Peak	33.67	21.66	55.33	74.00	-18.67

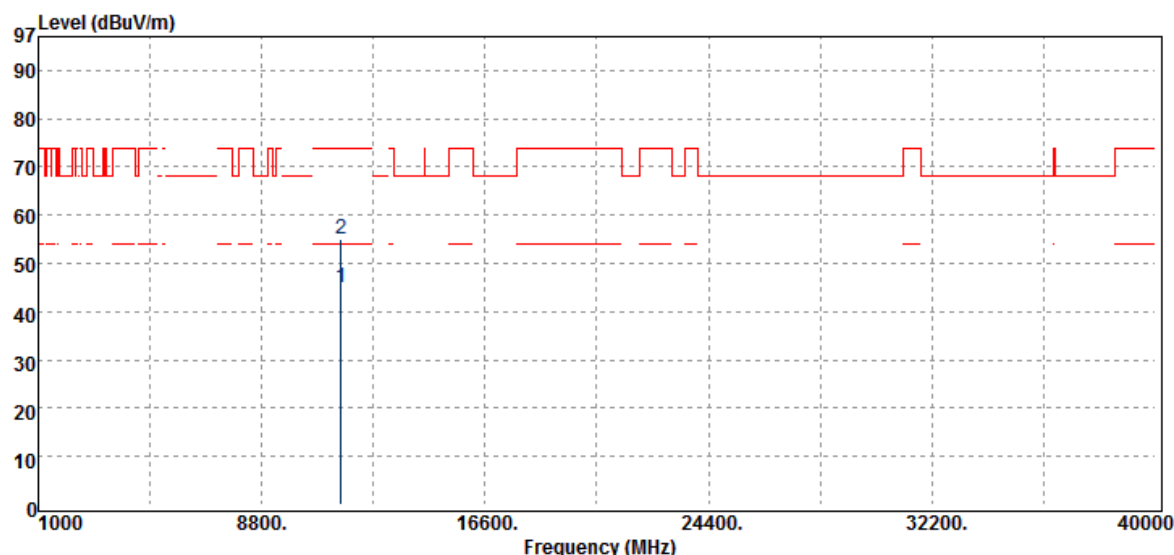
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Operation Band :802.11n20B4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



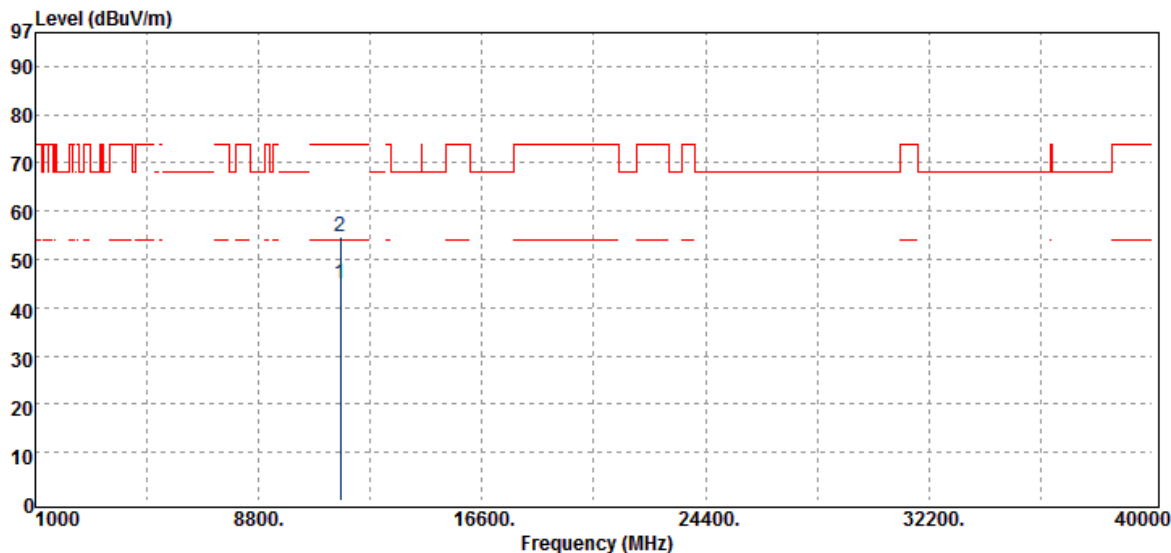
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.48	21.66	45.14	54.00	-8.86
11570.00	Peak	33.25	21.66	54.91	74.00	-19.09

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Operation Band	:802.11n20B4	Test Date	:2018-09-20
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	23.37	21.60	44.97	54.00	-9.03
11650.00	Peak	33.06	21.60	54.66	74.00	-19.34

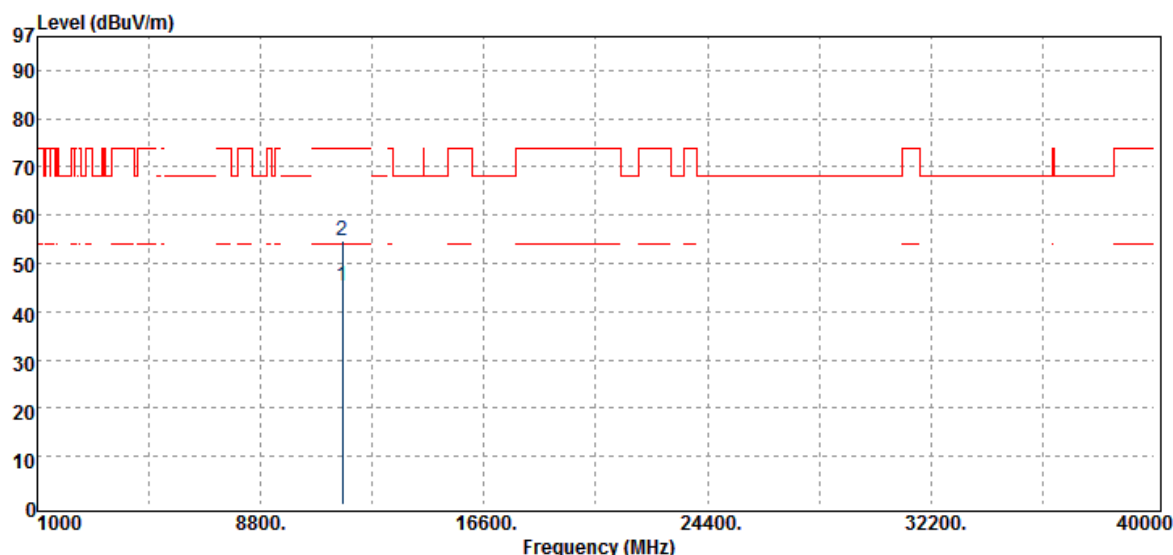
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Operation Band :802.11n20B4
 Fundamental Frequency :5825 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	23.87	21.60	45.47	54.00	-8.53
11650.00	Peak	33.08	21.60	54.68	74.00	-19.32

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

Operation Band :802.11n40B1

Fundamental Frequency :5190 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

:2018-09-20

Temp./Humi.

:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level	dB	FS	@3m	dB
	PK/QP/AV	dBuV		dBuV/m	dBuV/m	
10380.00	Peak	33.33	19.78	53.11	68.20	-15.09

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Operation Band	:802.11n40B1	Test Date	:2018-09-20
Fundamental Frequency	:5190 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	33.26	19.78	53.04	68.20	-15.16

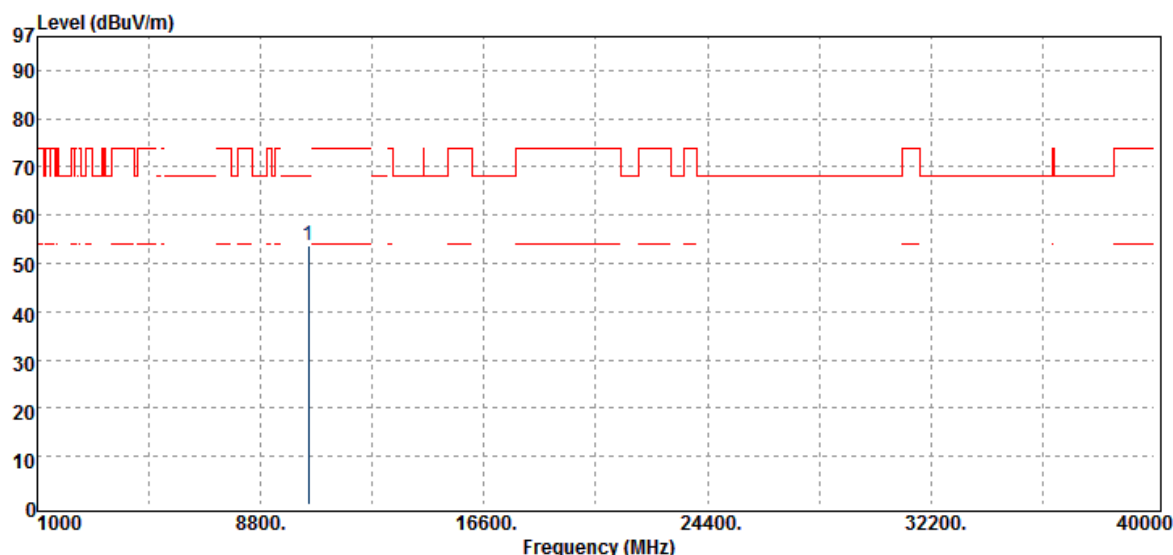
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Operation Band :802.11n40B1
Fundamental Frequency :5230 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.00	Peak	33.63	20.07	53.70	68.20	-14.50

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Operation Band	:802.11n40B1	Test Date	:2018-09-20
Fundamental Frequency	:5230 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.00	Peak	34.59	20.07	54.66	68.20	-13.54

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

Operation Band :802.11n40B2

Fundamental Frequency :5270 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

:2018-09-20

Temp./Humi.

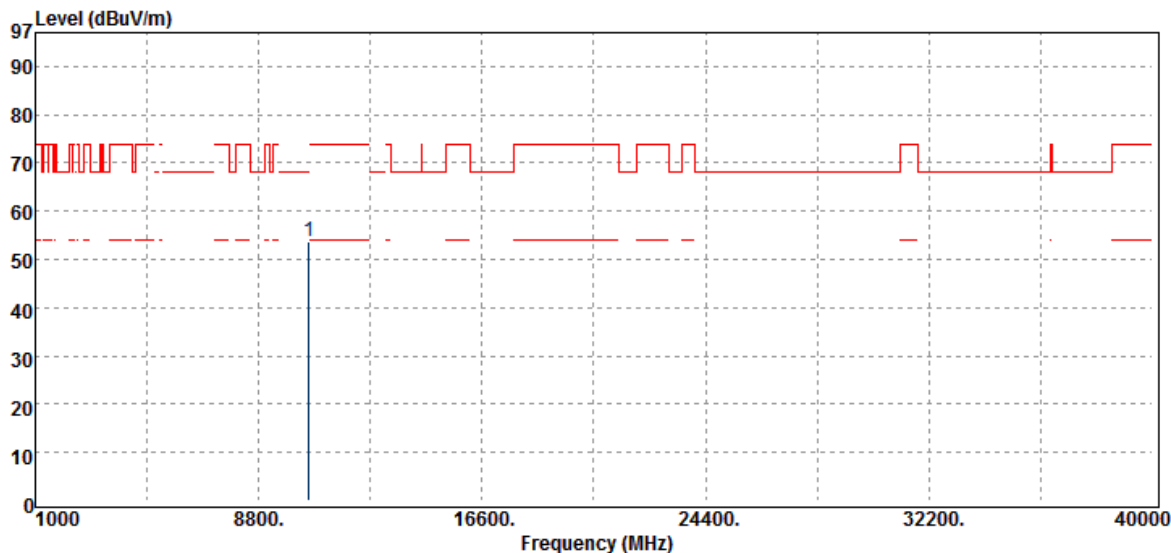
:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level	dB	FS	@3m	dB
10540.00	PK/QP/AV	dBμV		dBμV/m	dBμV/m	
	Peak	33.82	20.02	53.84	68.20	-14.36

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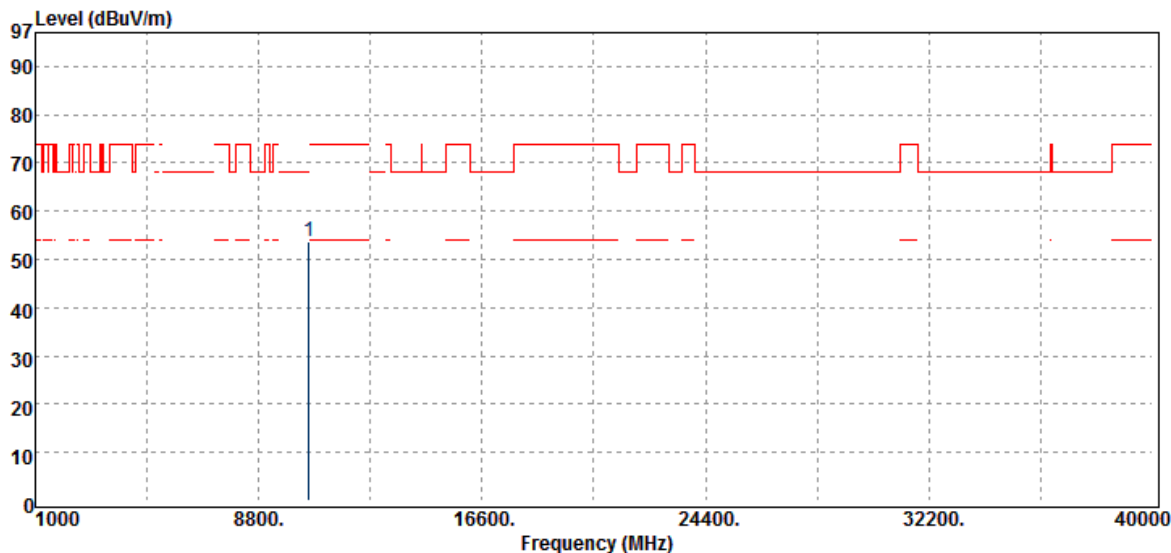
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Operation Band	:802.11n40B2	Test Date	:2018-09-20
Fundamental Frequency	:5270 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



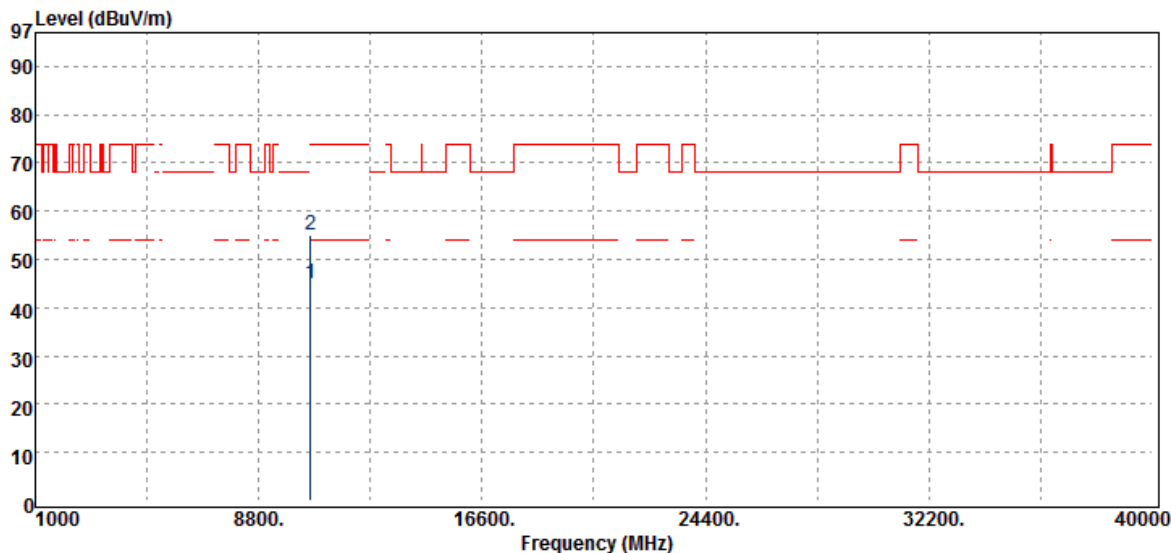
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	33.66	20.02	53.68	68.20	-14.52

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Operation Band	:802.11n40B2	Test Date	:2018-09-20
Fundamental Frequency	:5310 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



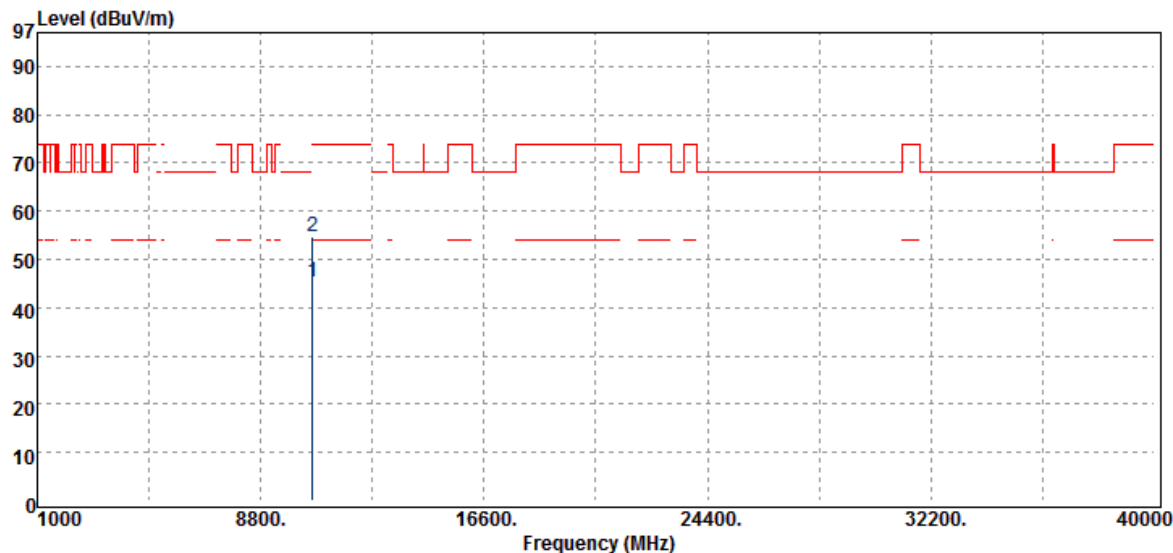
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	24.47	20.41	44.88	54.00	-9.12
10620.00	Peak	34.56	20.41	54.97	74.00	-19.03

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Operation Band	:802.11n40B2	Test Date	:2018-09-20
Fundamental Frequency	:5310 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10620.00	Average	24.86	20.41	45.27	54.00	-8.73
10620.00	Peak	34.23	20.41	54.64	74.00	-19.36

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

Operation Band :802.11n40B3

Fundamental Frequency :5510 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

Temp./Humi.

Engineer

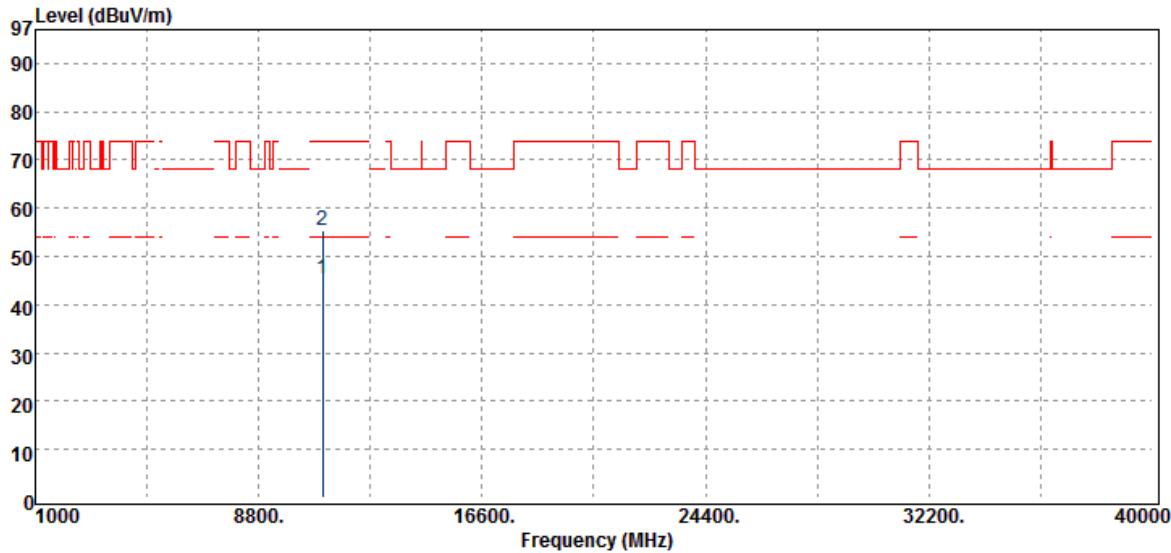
Measurement Antenna Pol.

:2018-09-20

:23 deg_C / 62 RH

:Wei

:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11020.00	Average	23.74	21.46	45.20	54.00	-8.80
11020.00	Peak	33.97	21.46	55.43	74.00	-18.57

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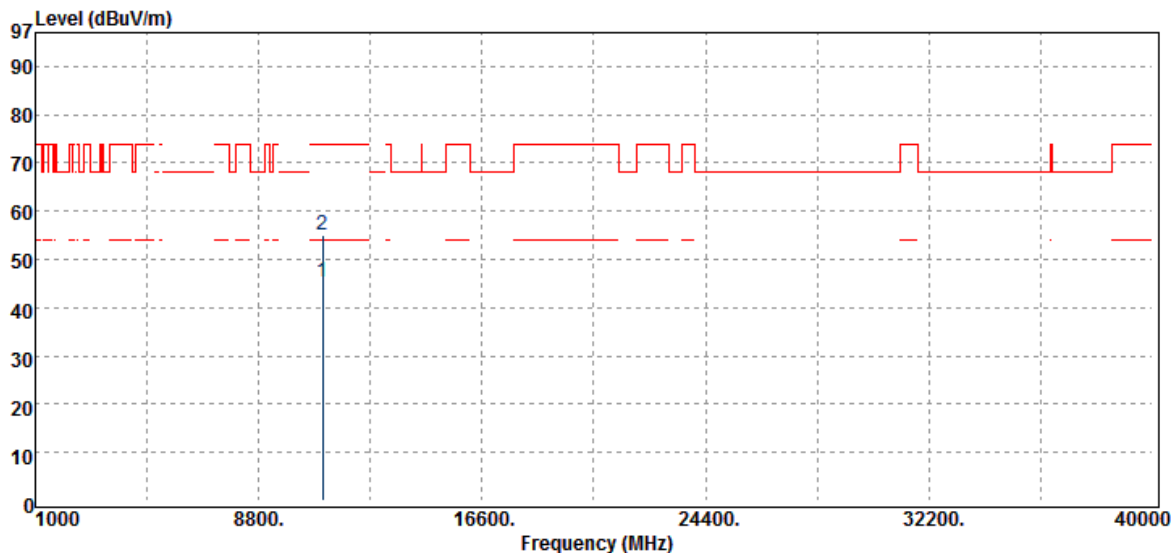
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Operation Band	:802.11n40B3	Test Date	:2018-09-20
Fundamental Frequency	:5510 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



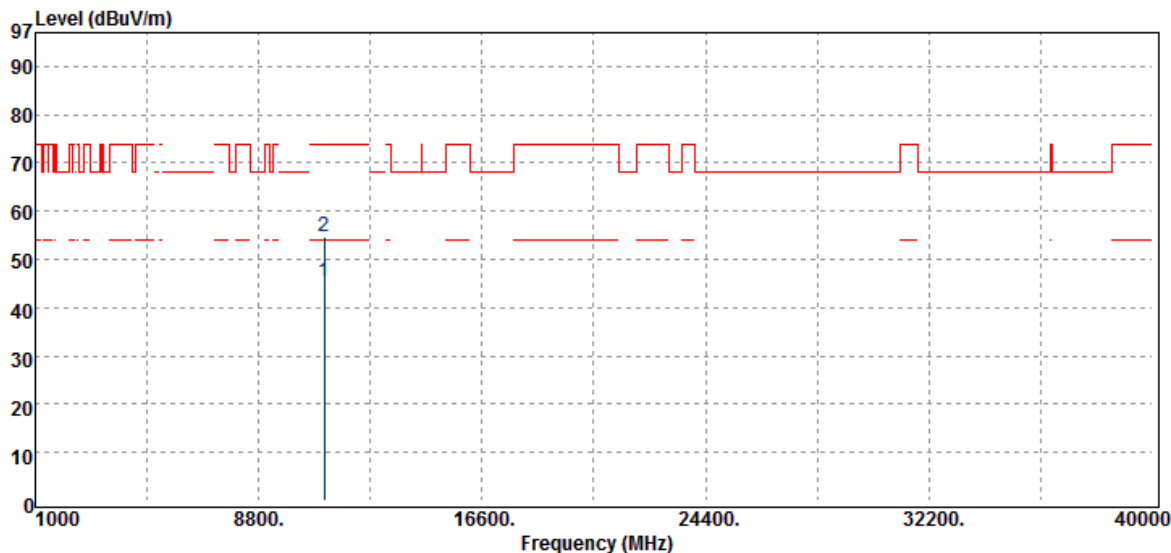
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Average	23.87	21.46	45.33	54.00	-8.67
11020.00	Peak	33.60	21.46	55.06	74.00	-18.94

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Operation Band	:802.11n40B3	Test Date	:2018-09-20
Fundamental Frequency	:5550 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Average	23.67	21.53	45.20	54.00	-8.80
11100.00	Peak	33.16	21.53	54.69	74.00	-19.31

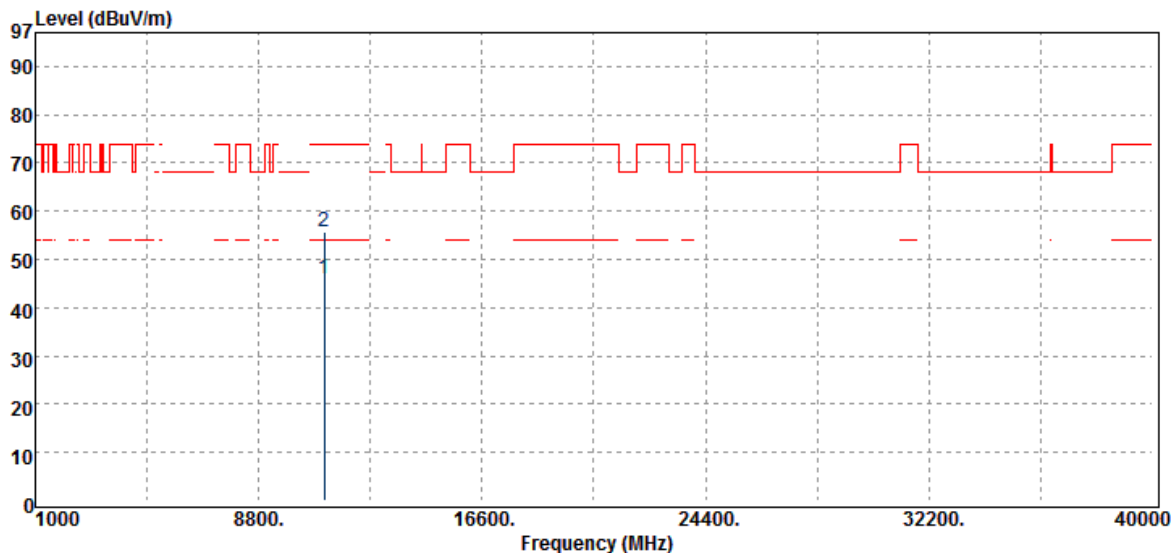
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Operation Band :802.11n40B3
Fundamental Frequency :5550 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



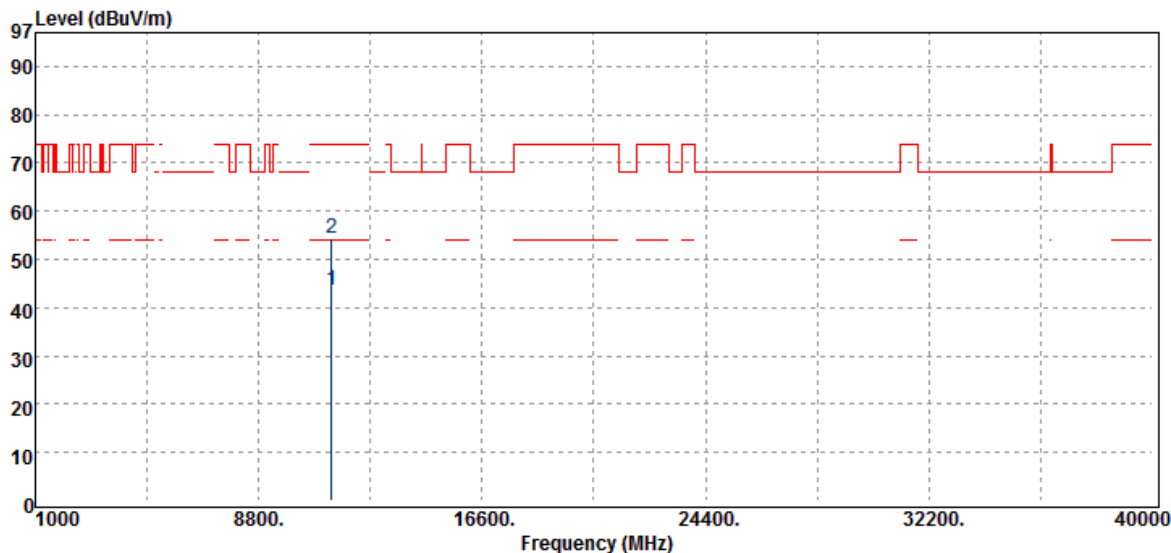
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Average	24.59	21.53	46.12	54.00	-7.88
11100.00	Peak	34.15	21.53	55.68	74.00	-18.32

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Operation Band	:802.11n40B3	Test Date	:2018-09-20
Fundamental Frequency	:5670 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



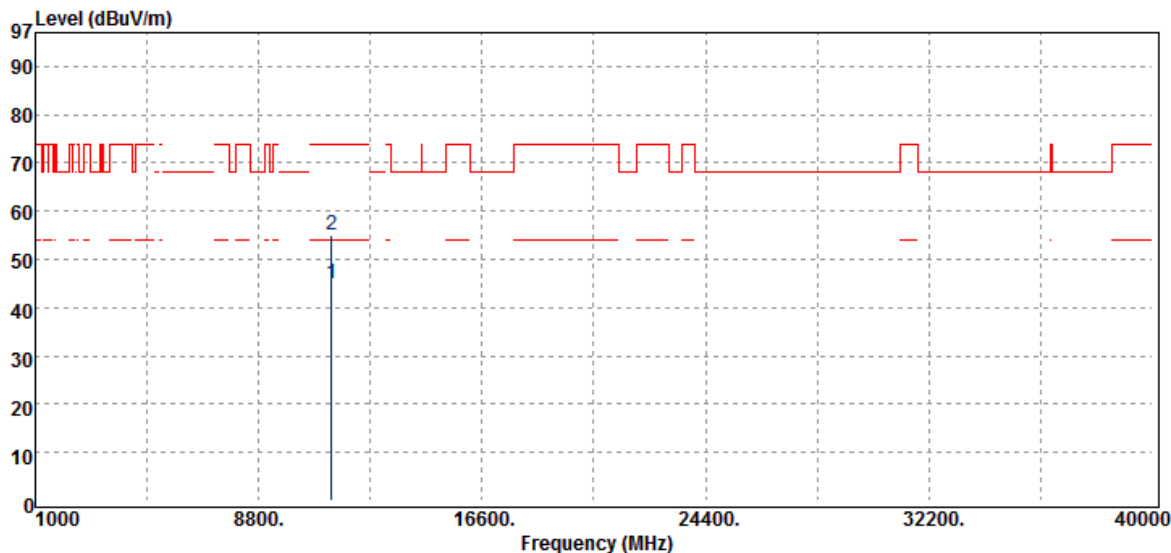
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	22.22	21.54	43.76	54.00	-10.24
11340.00	Peak	32.93	21.54	54.47	74.00	-19.53

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Operation Band	:802.11n40B3	Test Date	:2018-09-20
Fundamental Frequency	:5670 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	23.38	21.54	44.92	54.00	-9.08
11340.00	Peak	33.45	21.54	54.99	74.00	-19.01

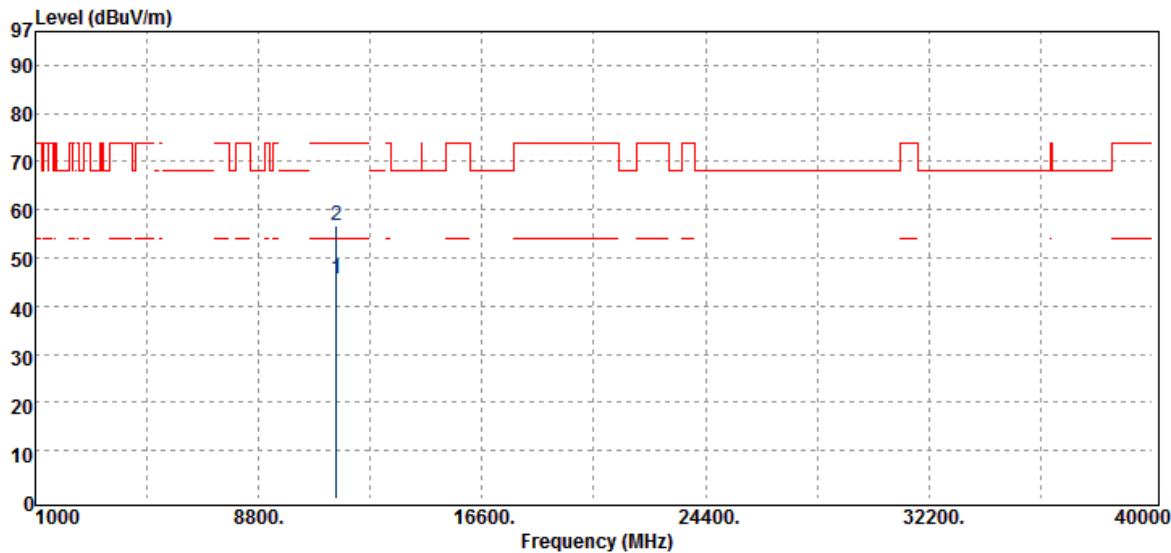
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5725~5850 MHz

Operation Band	:802.11n40B4	Test Date	:2018-09-20
Fundamental Frequency	:5755 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



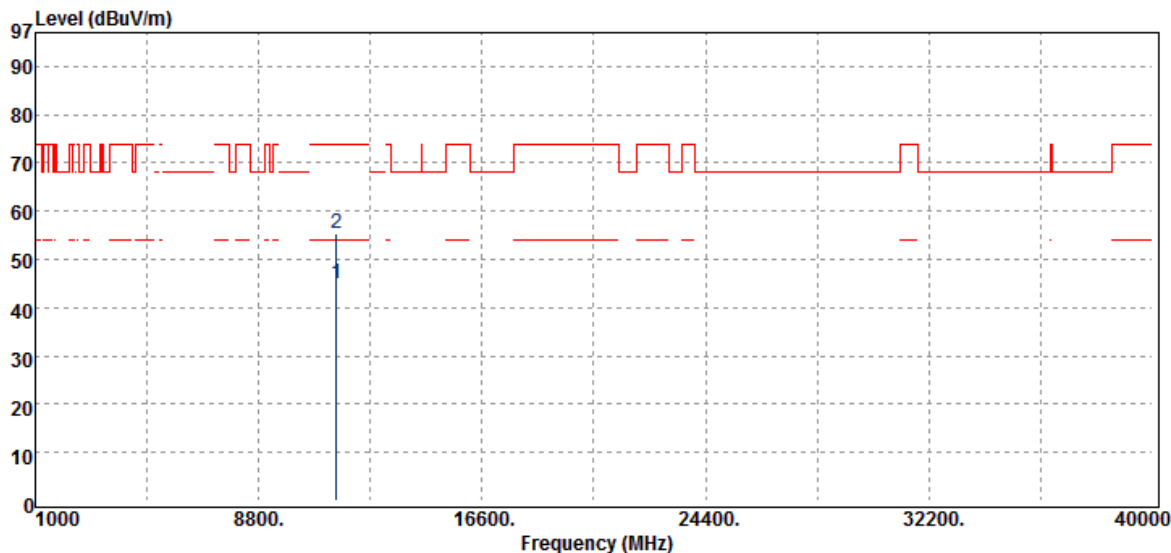
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11510.00	Average	23.98	21.66	45.64	54.00	-8.36
11510.00	Peak	34.92	21.66	56.58	74.00	-17.42

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Operation Band	:802.11n40B4	Test Date	:2018-09-20
Fundamental Frequency	:5755 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



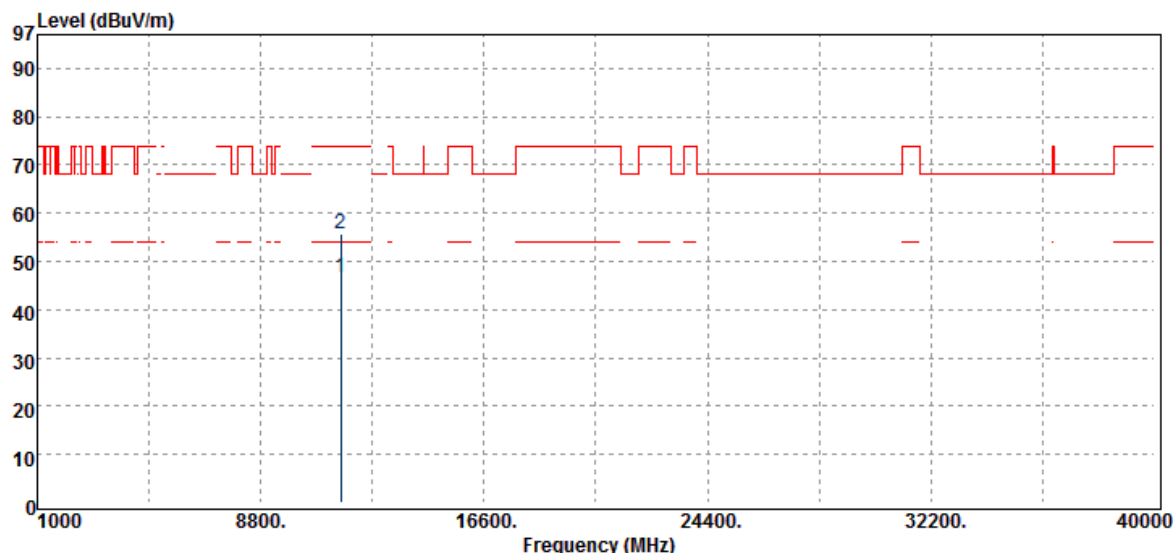
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.00	Average	23.47	21.66	45.13	54.00	-8.87
11510.00	Peak	33.65	21.66	55.31	74.00	-18.69

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Operation Band	:802.11n40B4	Test Date	:2018-09-20
Fundamental Frequency	:5795 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



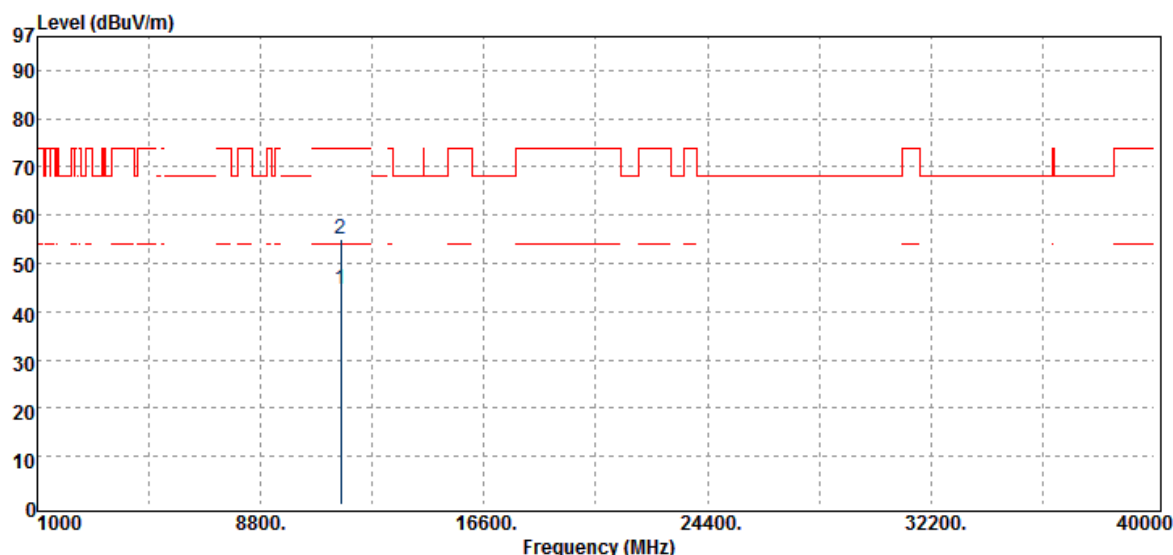
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	24.87	21.66	46.53	54.00	-7.47
11590.00	Peak	34.16	21.66	55.82	74.00	-18.18

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Operation Band	:802.11n40B4	Test Date	:2018-09-20
Fundamental Frequency	:5795 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	23.12	21.66	44.78	54.00	-9.22
11590.00	Peak	33.51	21.66	55.17	74.00	-18.83

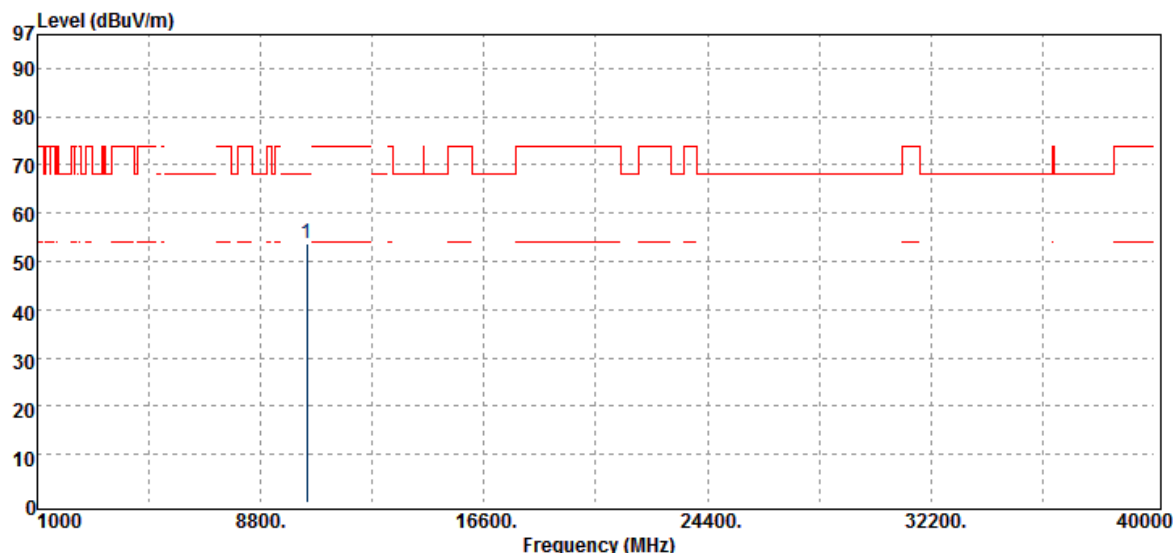
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5150~5250 MHz

Operation Band	:802.11ac80B1	Test Date	:2018-09-20
Fundamental Frequency	:5210 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.00	Peak	33.63	19.99	53.62	68.20	-14.58

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Operation Band	:802.11ac80B1	Test Date	:2018-09-20
Fundamental Frequency	:5210 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	33.14	19.99	53.13	68.20	-15.07

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

Operation Band :802.11ac80B2

Fundamental Frequency :5290 MHz

Operation Mode :Tx CH HIGH

EUT Pol. :E2 Plane

Test Date

:2018-09-20

Temp./Humi.

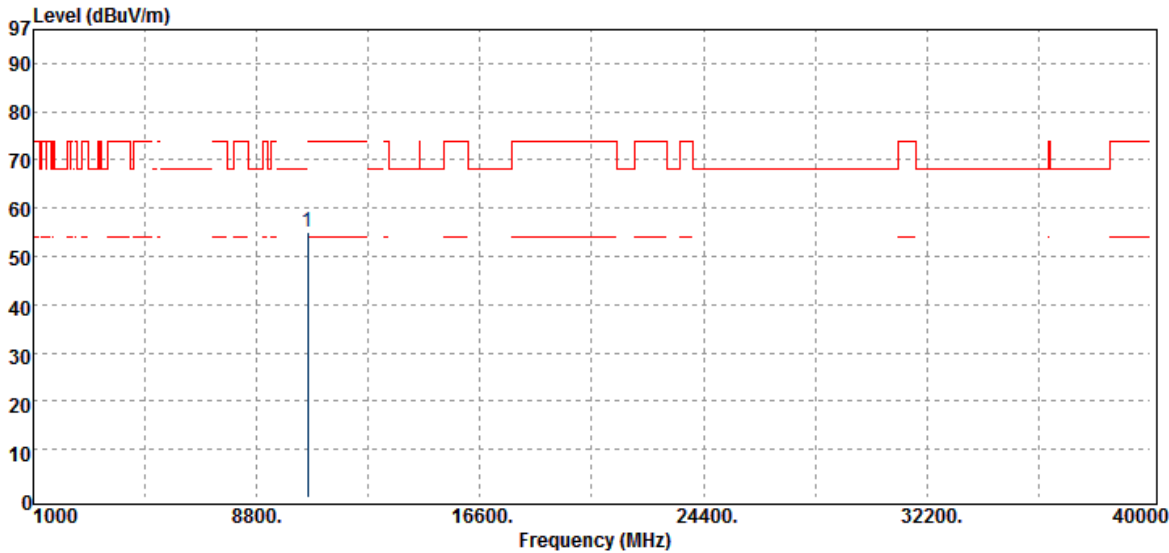
:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10580.00	Peak	34.77	20.23	55.00	68.20	-13.20

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台灣檢驗科技股份有限公司

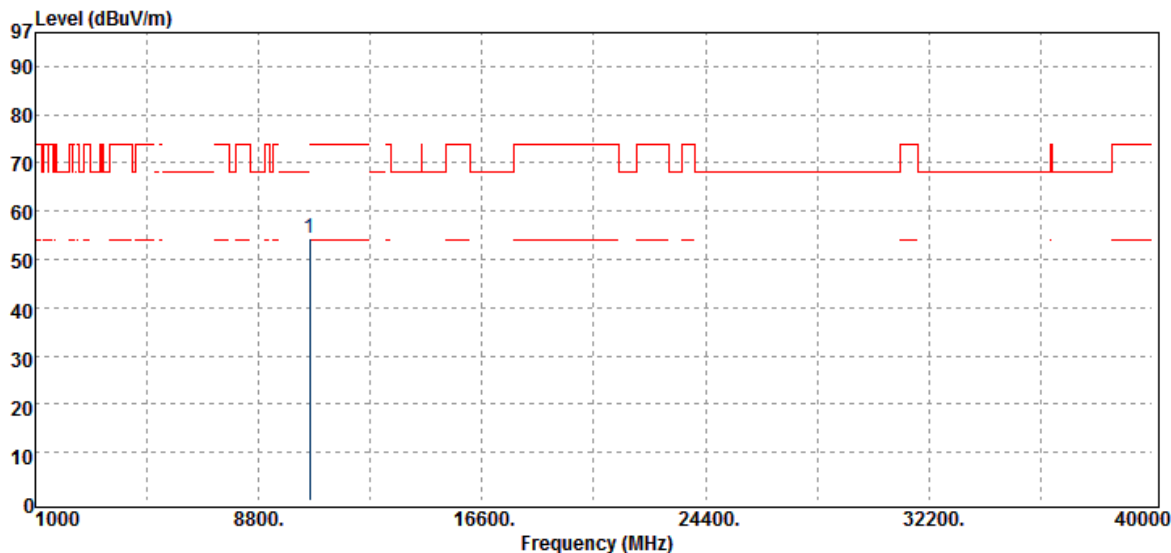
t (886-2) 2299-3279

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www.tw.sgs.com

Member of SGS Group

Operation Band	:802.11ac80B2	Test Date	:2018-09-20
Fundamental Frequency	:5290 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.00	Peak	34.03	20.23	54.26	68.20	-13.94

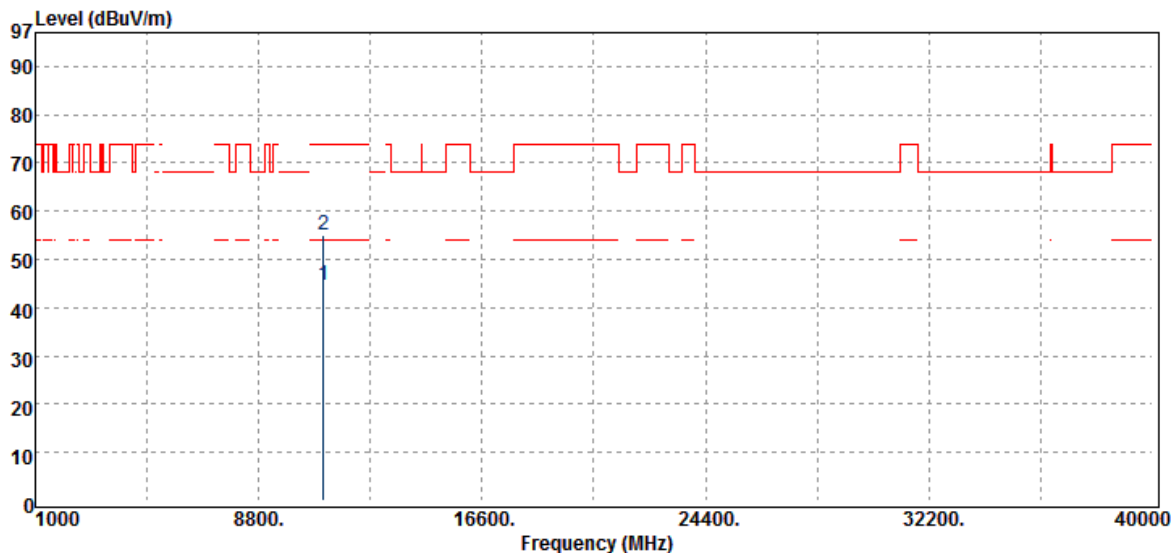
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5470~5725 MHz

Operation Band	:802.11ac80B3	Test Date	:2018-09-20
Fundamental Frequency	:5530 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.00	Average	23.21	21.53	44.74	54.00	-9.26
11060.00	Peak	33.45	21.53	54.98	74.00	-19.02

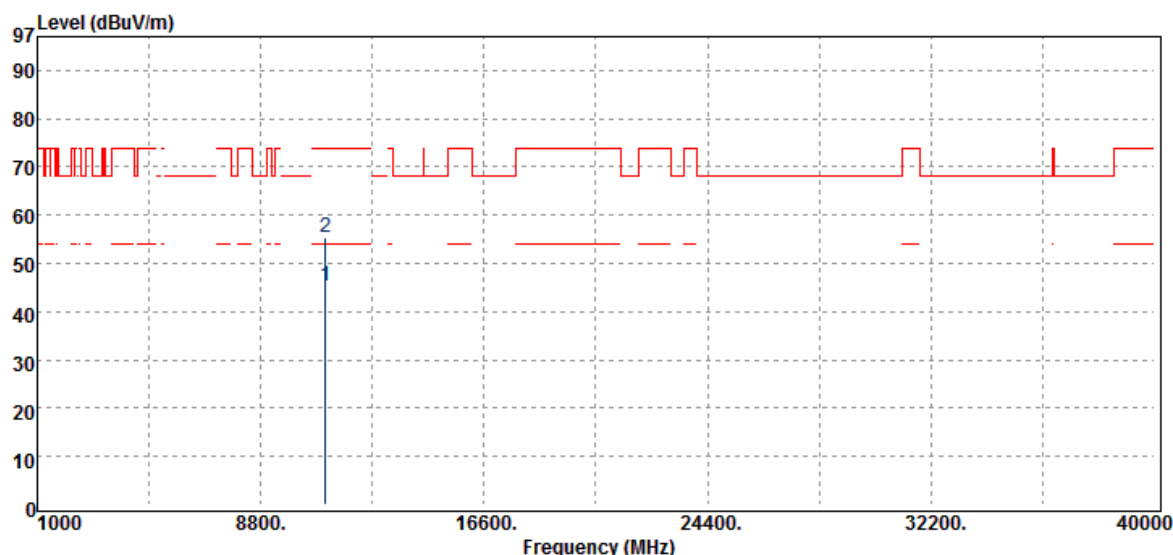
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Operation Band :802.11ac80B3
Fundamental Frequency :5530 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-20
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.00	Average	23.77	21.53	45.30	54.00	-8.70
11060.00	Peak	33.80	21.53	55.33	74.00	-18.67

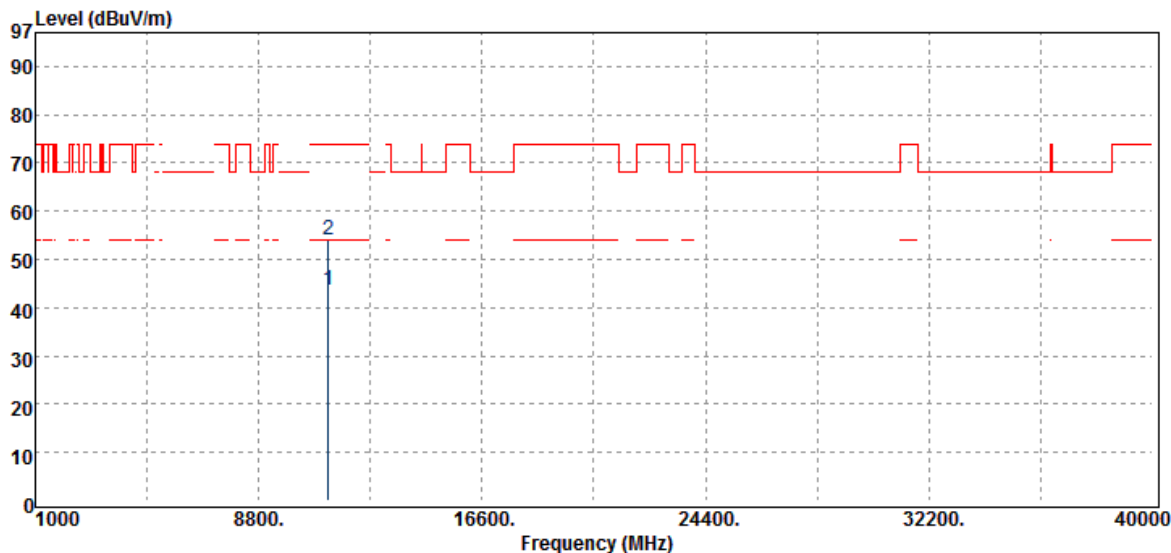
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Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.00	Average	22.17	21.56	43.73	54.00	-10.27
11220.00	Peak	32.61	21.56	54.17	74.00	-19.83

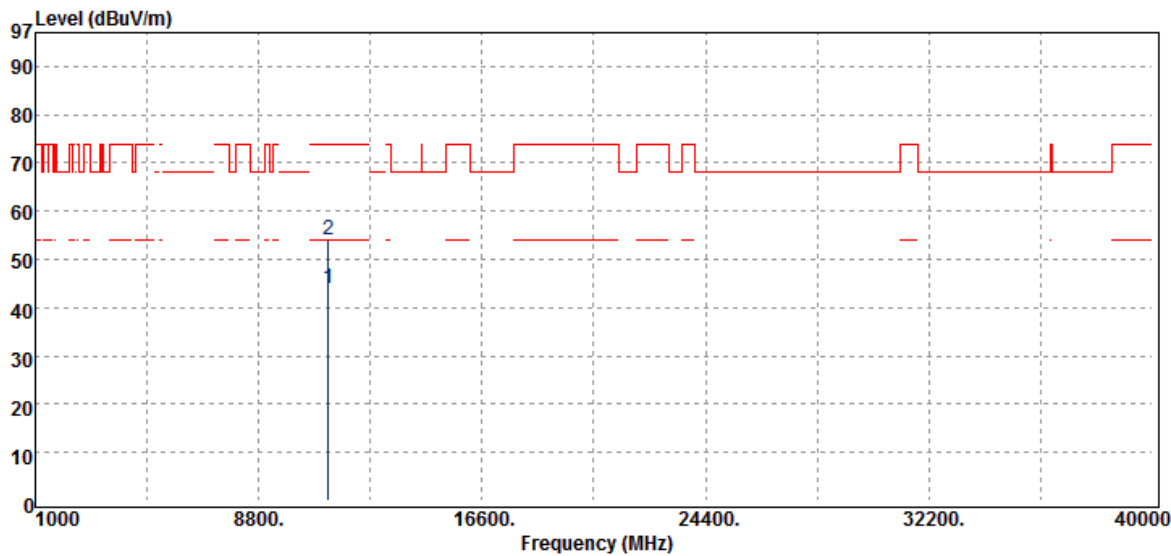
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Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.00	Average	22.27	21.56	43.83	54.00	-10.17
11220.00	Peak	32.63	21.56	54.19	74.00	-19.81

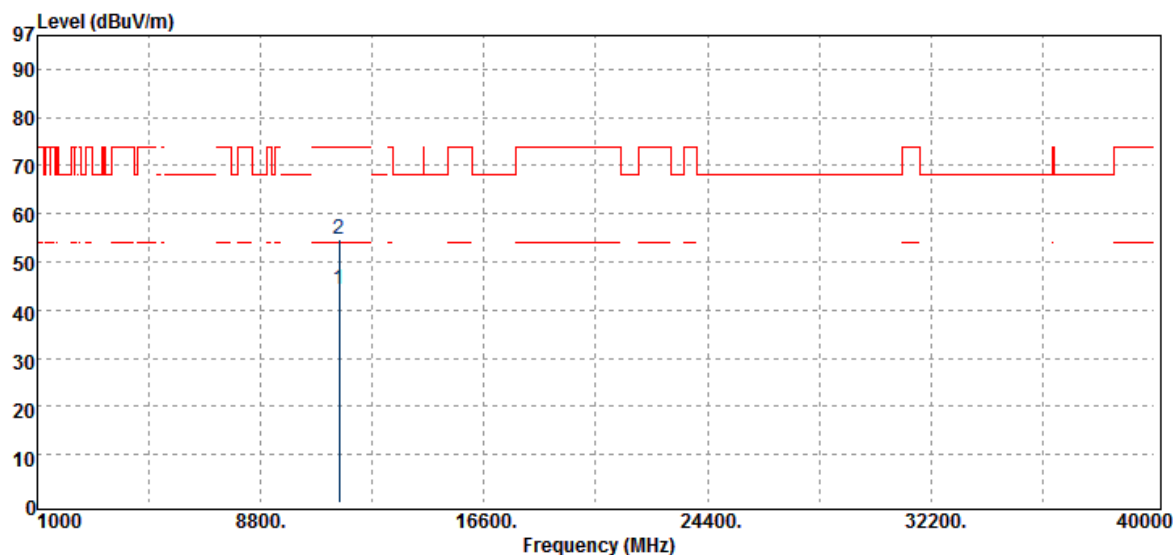
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5725~5850 MHz

Operation Band	:802.11ac80B4	Test Date	:2018-09-20
Fundamental Frequency	:5775 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11550.00	Average	22.57	21.66	44.23	54.00	-9.77
11550.00	Peak	32.99	21.66	54.65	74.00	-19.35

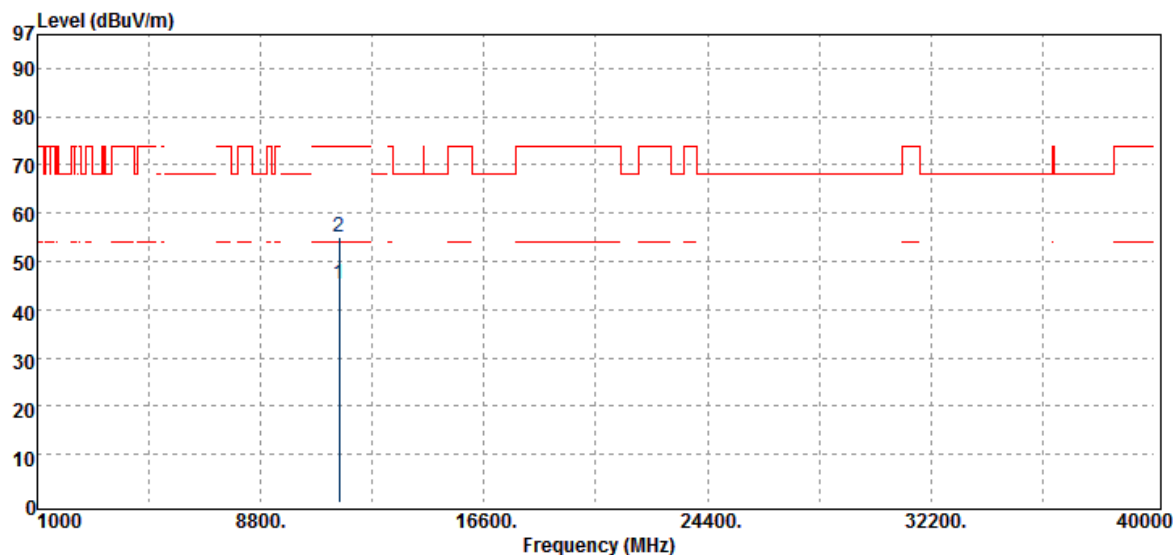
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Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-20
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.00	Average	23.67	21.66	45.33	54.00	-8.67
11550.00	Peak	33.43	21.66	55.09	74.00	-18.91

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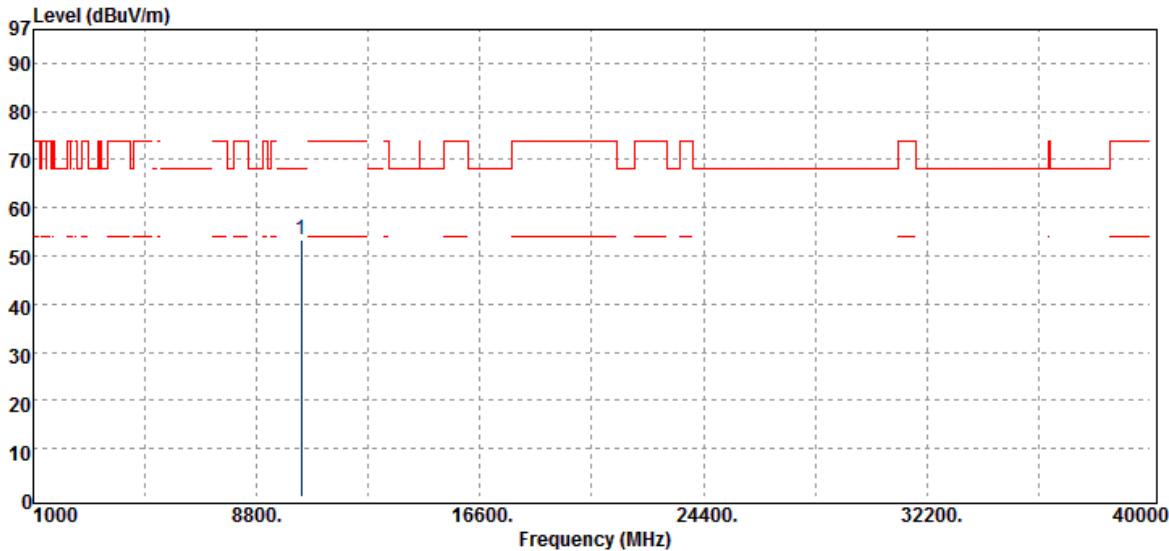
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Internal Antenna (Type: Printed antenna, Model no: N/A)

Radiated Spurious Emission Measurement Result 802.11a, 5150~5250 MHz

Operation Band	:802.11aB1	Test Date	:2018-09-28
Fundamental Frequency	:5180 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



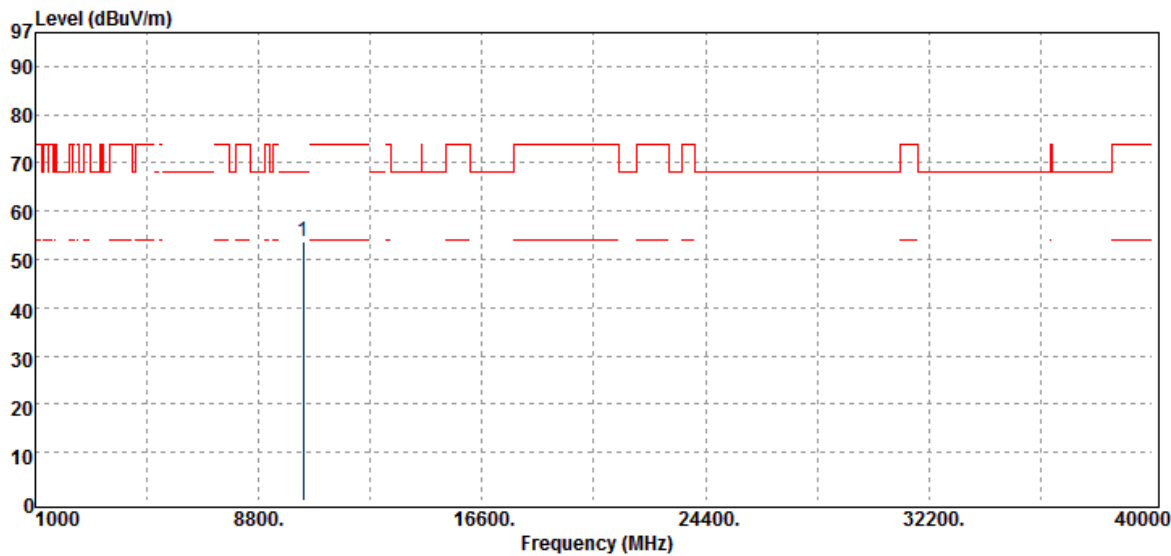
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	33.72	19.71	53.43	68.20	-14.77

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Operation Band	:802.11aB1	Test Date	:2018-09-28
Fundamental Frequency	:5180 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	34.12	19.71	53.83	68.20	-14.37

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Operation Band	:802.11aB1	Test Date	:2018-09-28
Fundamental Frequency	:5220 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	32.89	20.05	52.94	68.20	-15.26

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Operation Band	:802.11aB1	Test Date	:2018-09-28
Fundamental Frequency	:5220 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.56	20.05	53.61	68.20	-14.59

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Operation Band	:802.11aB1	Test Date	:2018-09-28
Fundamental Frequency	:5240 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	33.49	20.07	53.56	68.20	-14.64

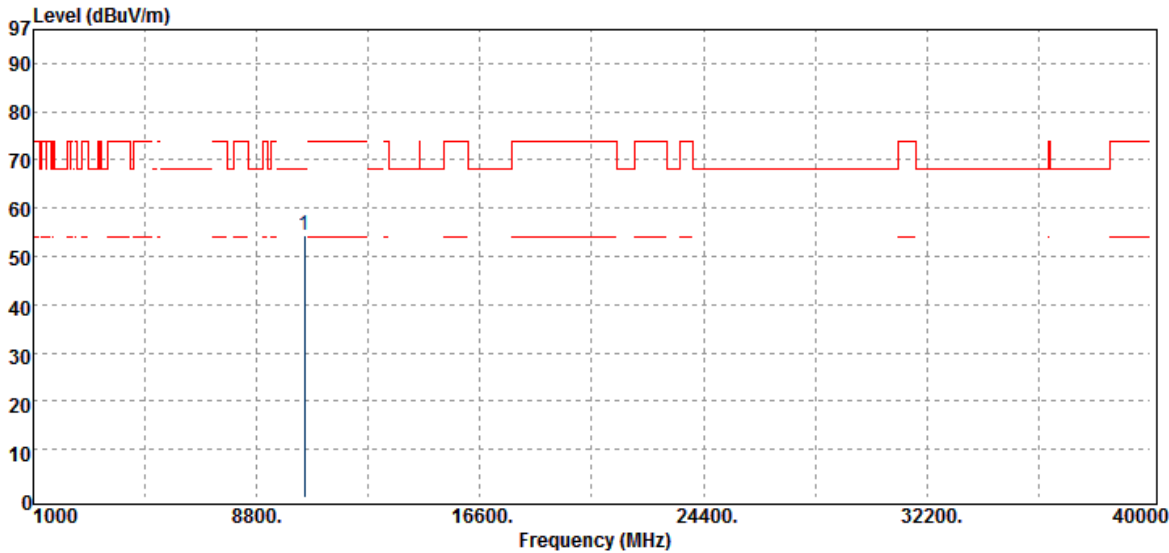
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Operation Band :802.11aB1
 Fundamental Frequency :5240 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	34.21	20.07	54.28	68.20	-13.92

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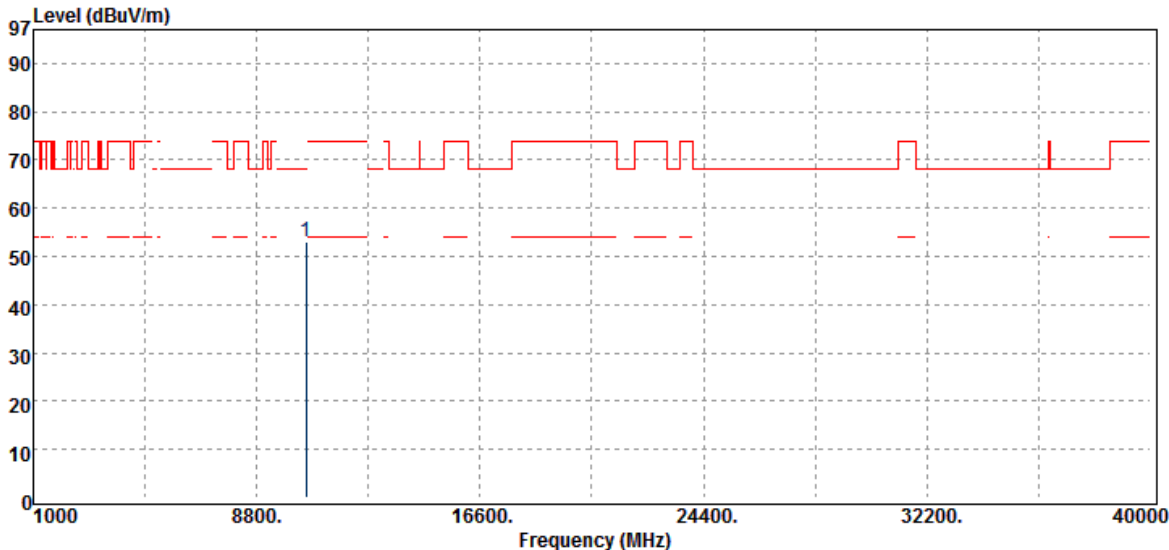
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Radiated Spurious Emission Measurement Result 802.11a, 5250MHz-5350MHz

Operation Band :802.11aB2
Fundamental Frequency :5260 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



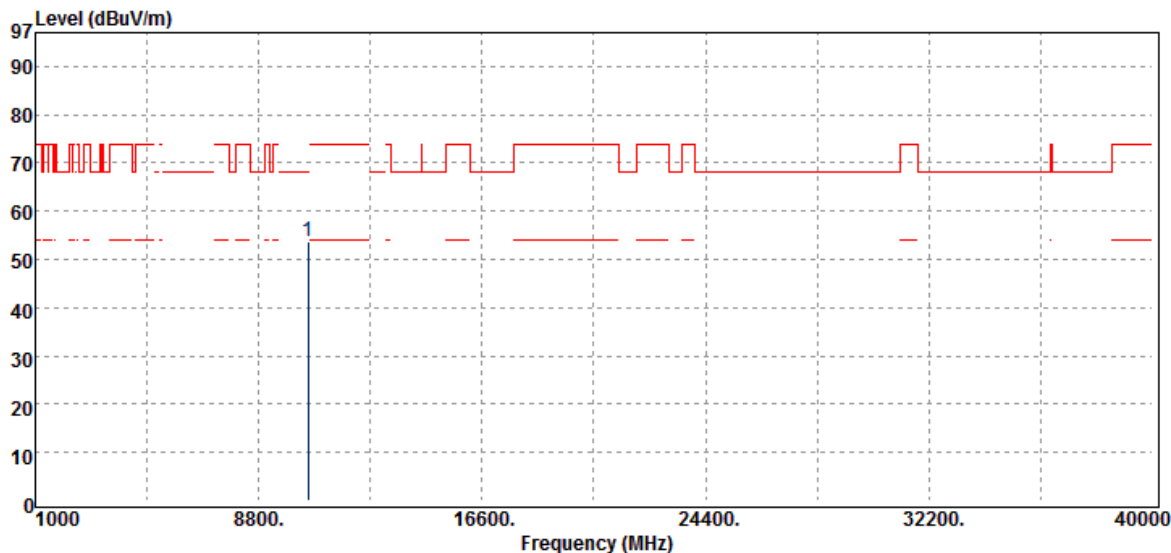
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.02	20.00	53.02	68.20	-15.18

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Operation Band	:802.11aB2	Test Date	:2018-09-28
Fundamental Frequency	:5260 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.54	20.00	53.54	68.20	-14.66

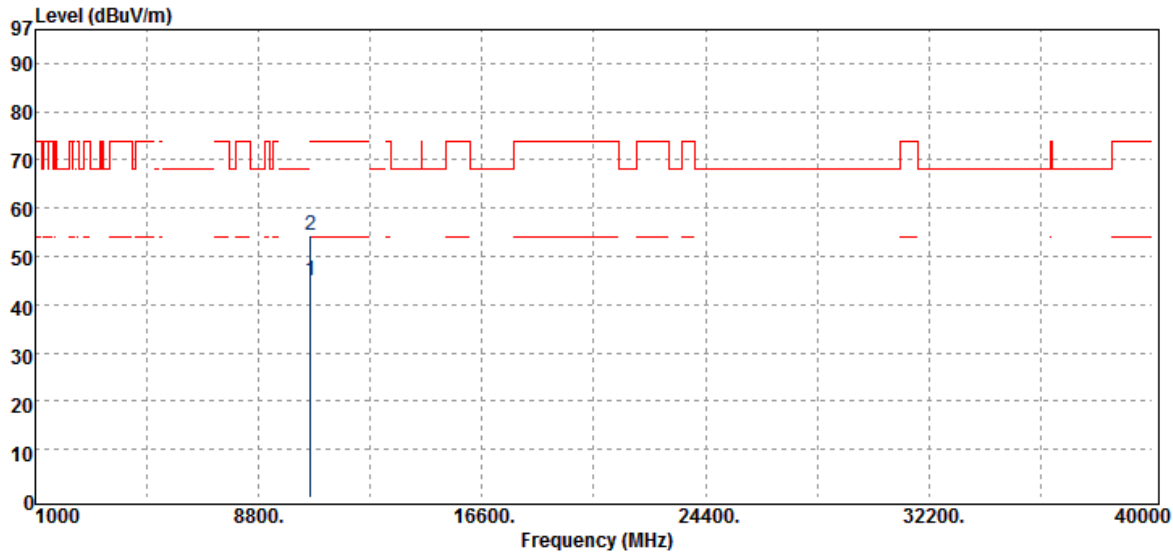
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Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10600.00	Average	24.55	20.38	44.93	54.00	-9.07
10600.00	Peak	34.02	20.38	54.40	74.00	-19.60

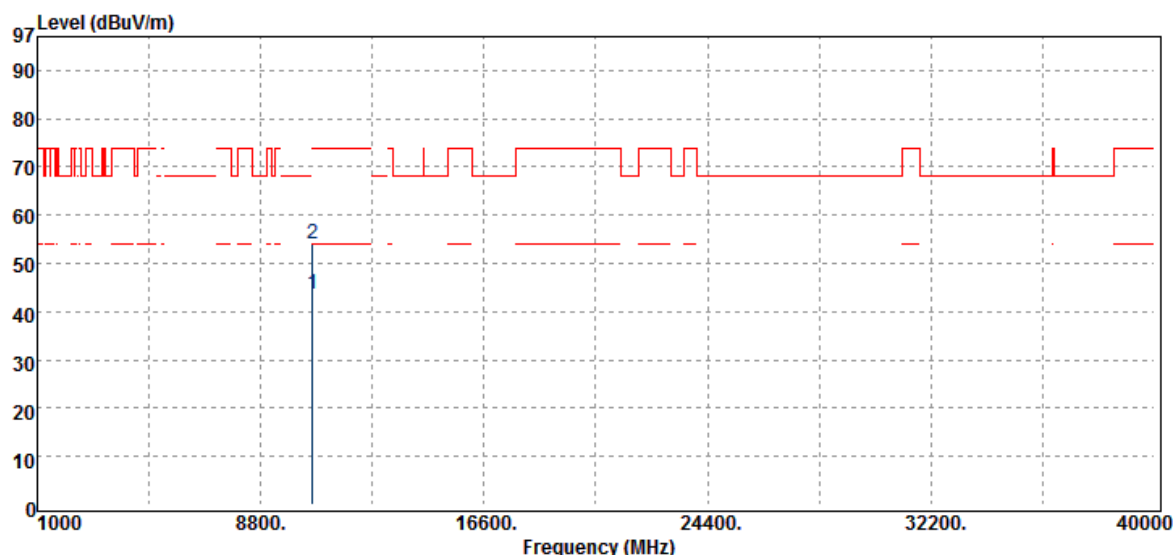
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Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



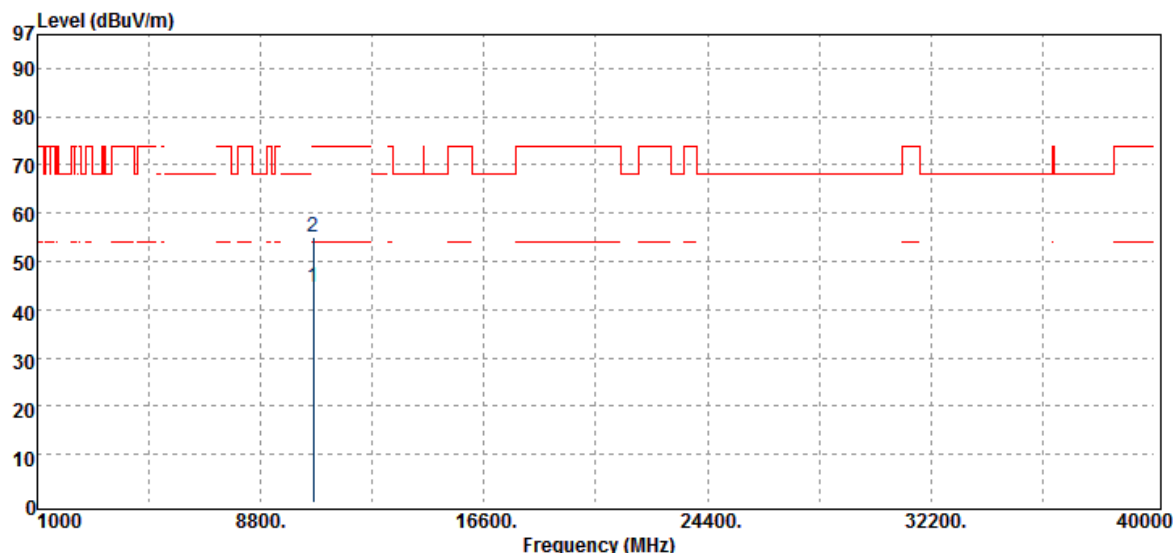
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	23.22	20.38	43.60	54.00	-10.40
10600.00	Peak	33.77	20.38	54.15	74.00	-19.85

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Operation Band	:802.11aB2	Test Date	:2018-09-28
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	24.12	20.44	44.56	54.00	-9.44
10640.00	Peak	34.65	20.44	55.09	74.00	-18.91

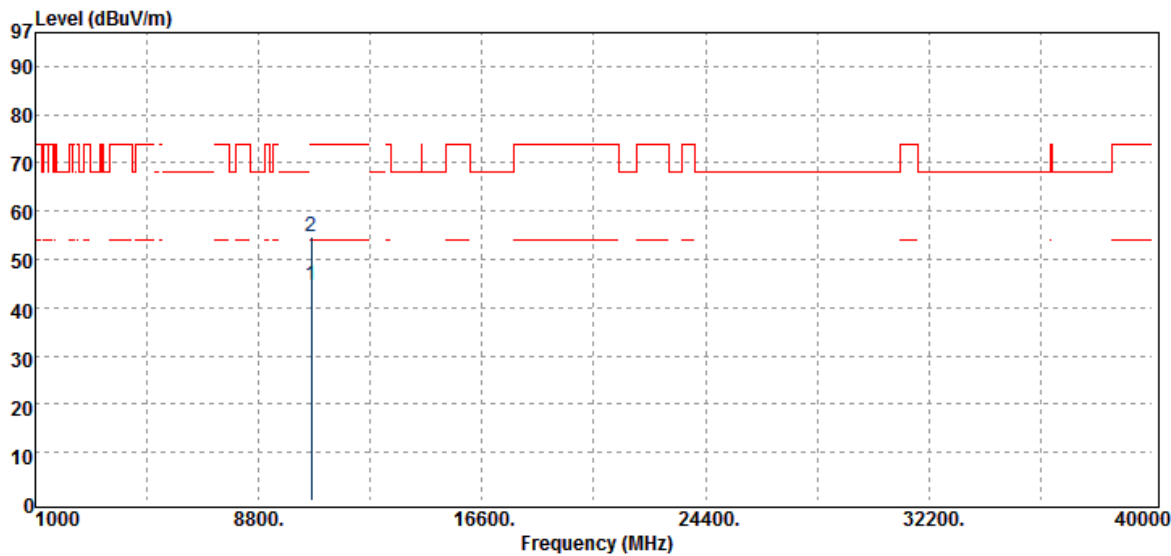
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Operation Band :802.11aB2
Fundamental Frequency :5320 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.00	Average	24.13	20.44	44.57	54.00	-9.43
10640.00	Peak	34.34	20.44	54.78	74.00	-19.22

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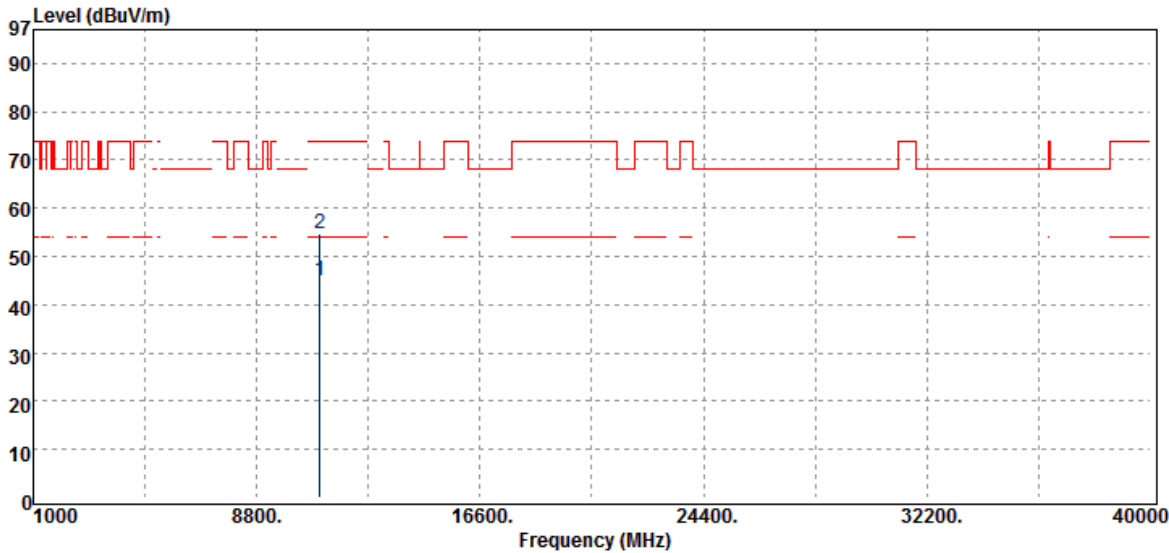
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Radiated Spurious Emission Measurement Result 802.11a, 5470~5725 MHz

Operation Band :802.11aB3
 Fundamental Frequency :5500 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



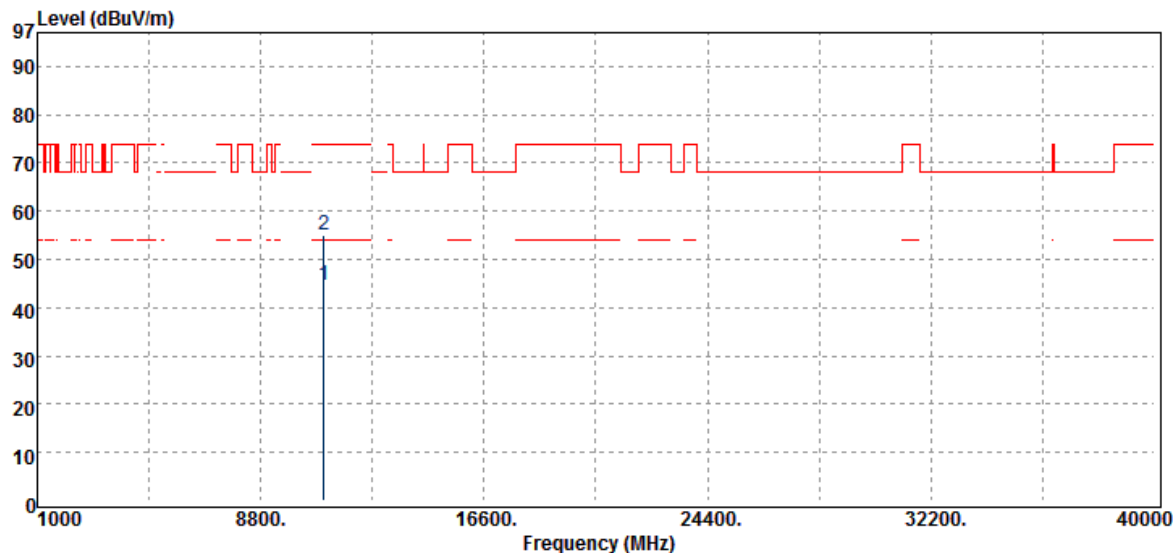
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.00	Average	23.66	21.37	45.03	54.00	-8.97
11000.00	Peak	33.44	21.37	54.81	74.00	-19.19

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Operation Band	:802.11aB3	Test Date	:2018-09-28
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	23.17	21.37	44.54	54.00	-9.46
11000.00	Peak	33.61	21.37	54.98	74.00	-19.02

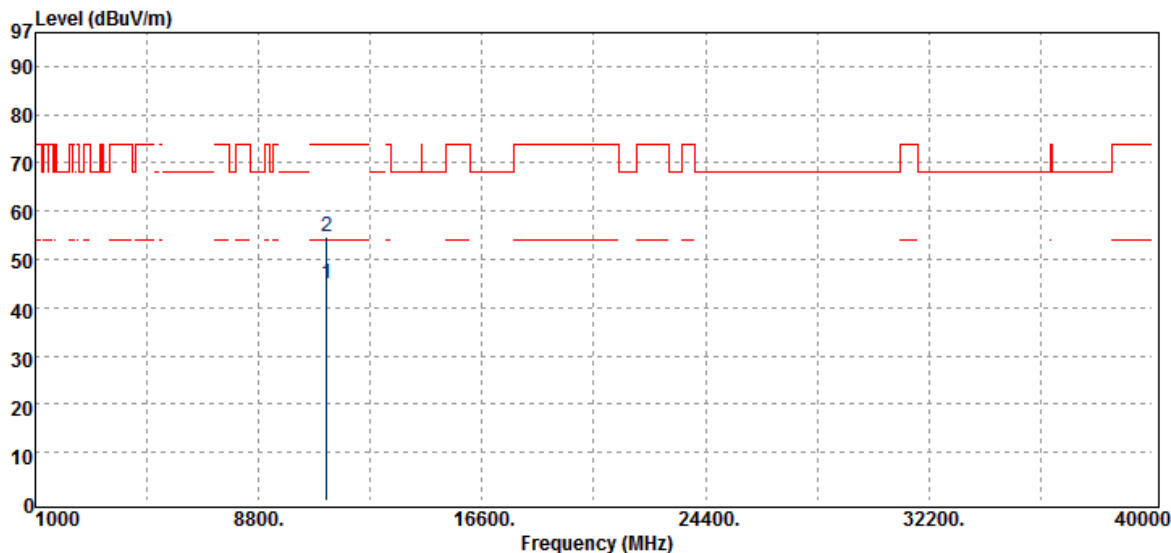
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11160.00	Average	23.32	21.51	44.83	54.00	-9.17
11160.00	Peak	33.27	21.51	54.78	74.00	-19.22

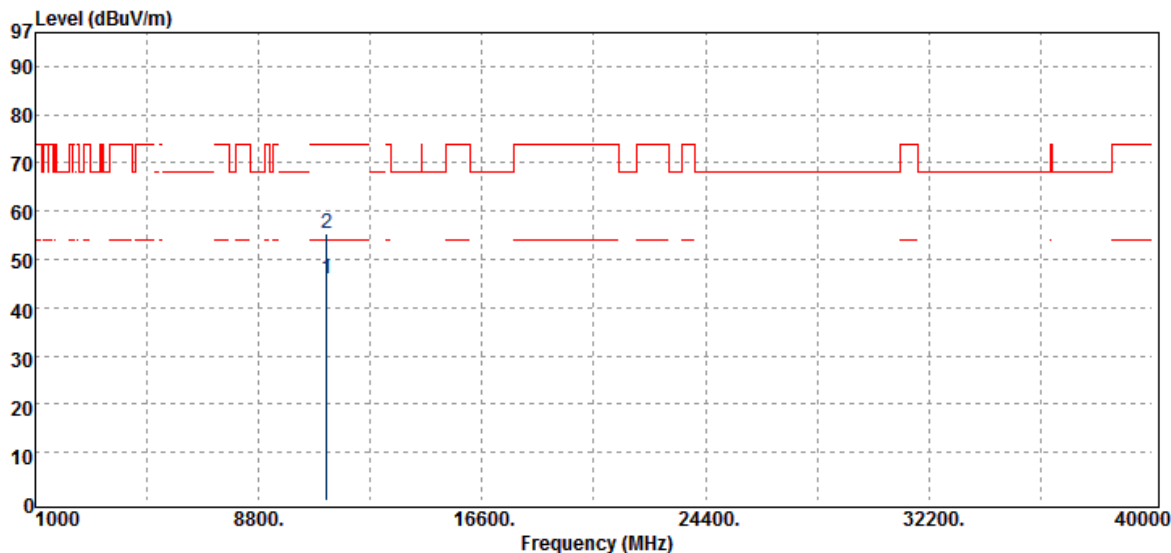
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



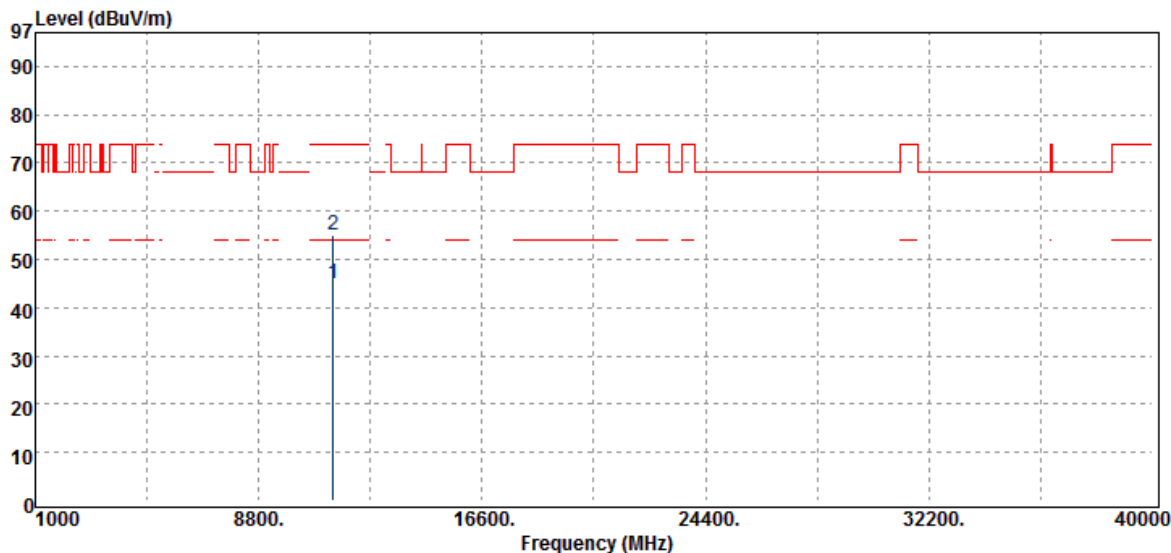
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	24.60	21.51	46.11	54.00	-7.89
11160.00	Peak	33.87	21.51	55.38	74.00	-18.62

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Operation Band	:802.11aB3	Test Date	:2018-09-28
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



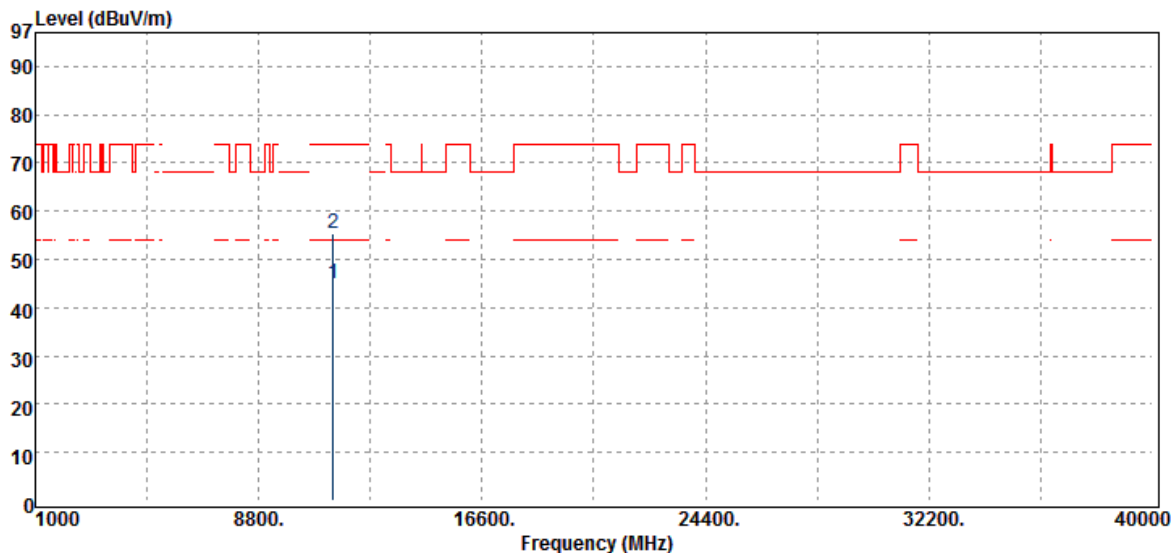
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	23.31	21.62	44.93	54.00	-9.07
11400.00	Peak	33.44	21.62	55.06	74.00	-18.94

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Operation Band	:802.11aB3	Test Date	:2018-09-28
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	23.37	21.62	44.99	54.00	-9.01
11400.00	Peak	33.88	21.62	55.50	74.00	-18.50

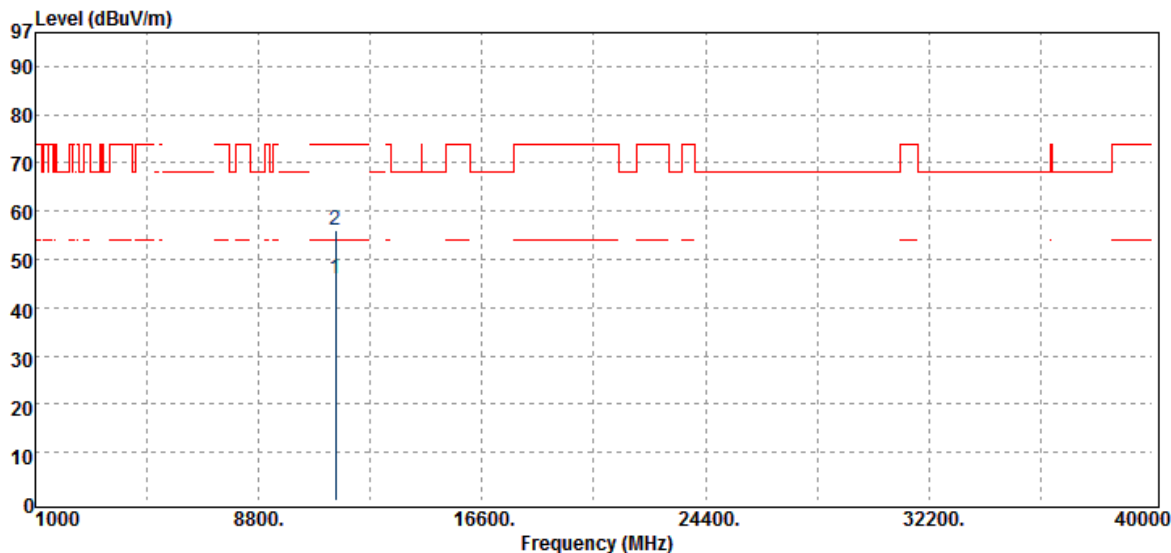
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Radiated Spurious Emission Measurement Result 802.11a, 5725~5850 MHz

Operation Band	:802.11aB4	Test Date	:2018-10-01
Fundamental Frequency	:5745 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



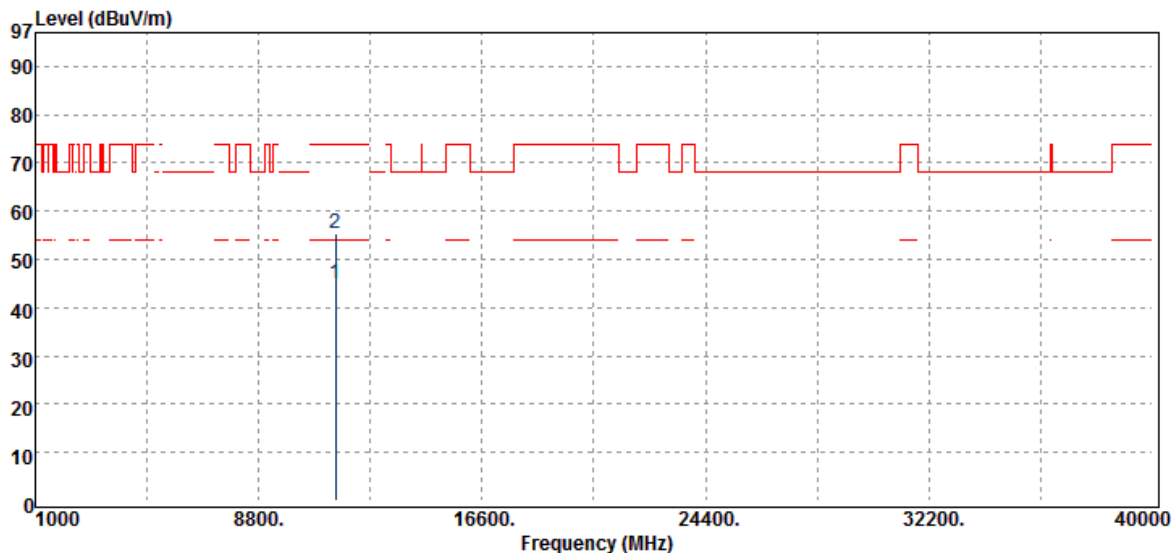
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	24.38	21.61	45.99	54.00	-8.01
11490.00	Peak	34.32	21.61	55.93	74.00	-18.07

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Operation Band	:802.11aB4	Test Date	:2018-09-28
Fundamental Frequency	:5745 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



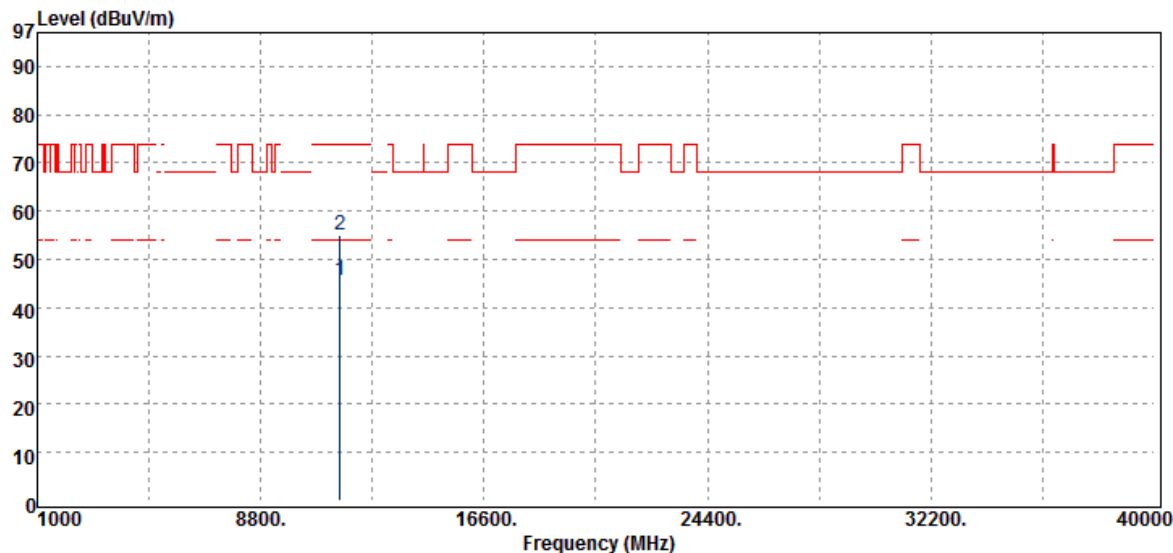
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	23.22	21.61	44.83	54.00	-9.17
11490.00	Peak	33.65	21.61	55.26	74.00	-18.74

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Operation Band	:802.11aB4	Test Date	:2018-09-28
Fundamental Frequency	:5785 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



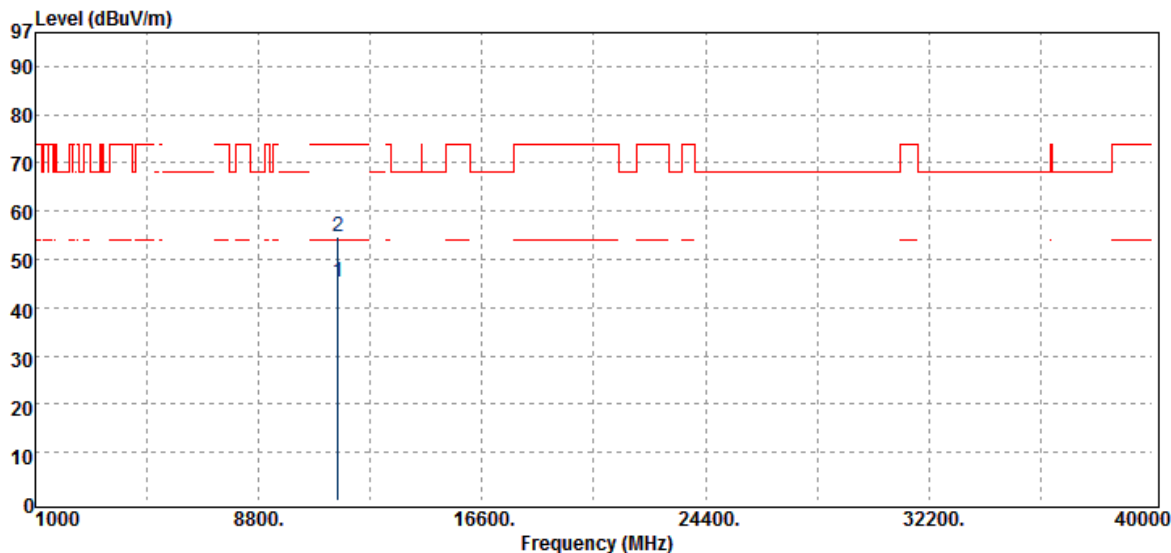
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.86	21.66	45.52	54.00	-8.48
11570.00	Peak	33.50	21.66	55.16	74.00	-18.84

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Operation Band	:802.11aB4	Test Date	:2018-09-28
Fundamental Frequency	:5785 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



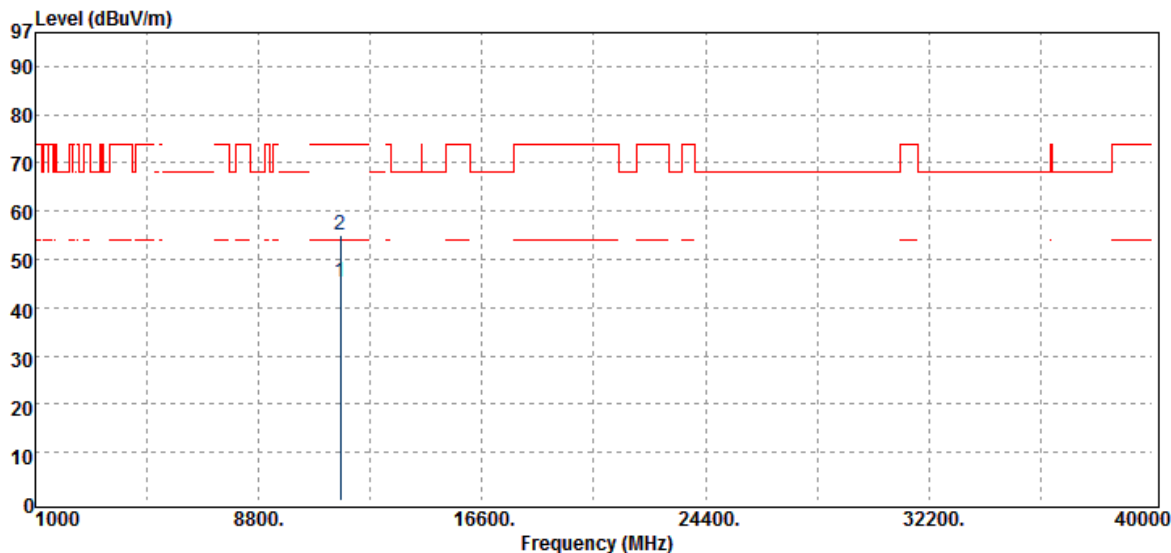
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.72	21.66	45.38	54.00	-8.62
11570.00	Peak	33.12	21.66	54.78	74.00	-19.22

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Operation Band	:802.11aB4	Test Date	:2018-09-28
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



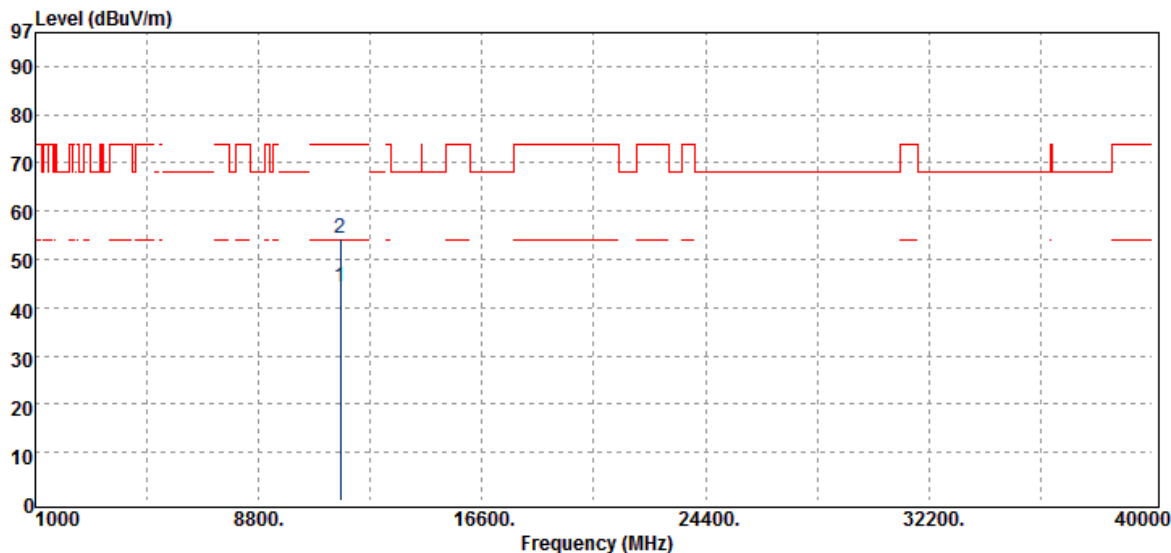
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	23.59	21.60	45.19	54.00	-8.81
11650.00	Peak	33.45	21.60	55.05	74.00	-18.95

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Operation Band	:802.11aB4	Test Date	:2018-09-28
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	22.79	21.60	44.39	54.00	-9.61
11650.00	Peak	32.71	21.60	54.31	74.00	-19.69

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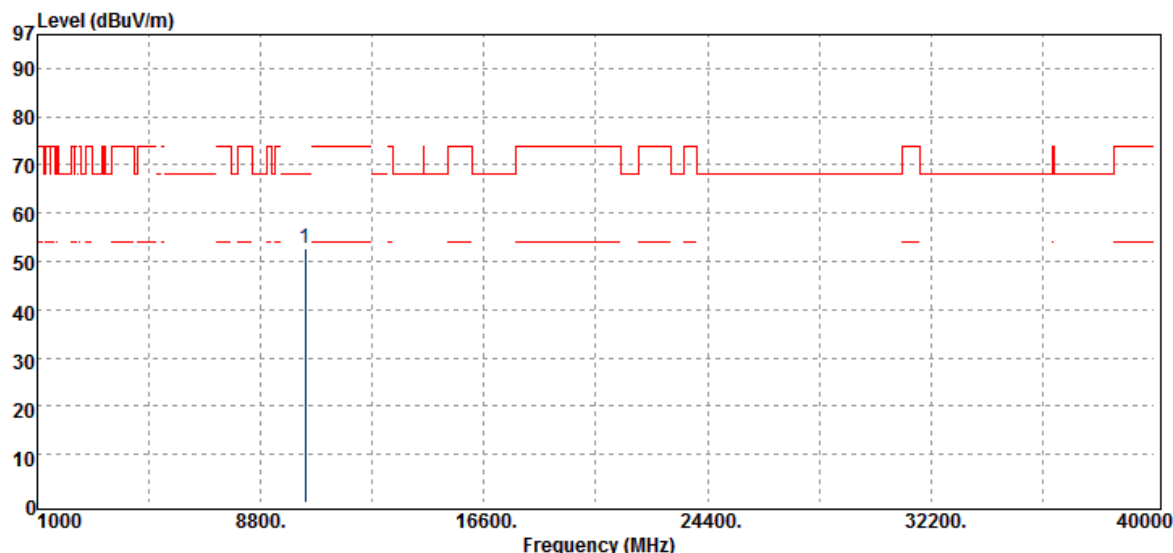
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5150~5250 MHz

Operation Band :802.11n20B1
 Fundamental Frequency :5180 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	33.03	19.71	52.74	68.20	-15.46

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Operation Band :802.11n20B1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	33.67	19.71	53.38	68.20	-14.82

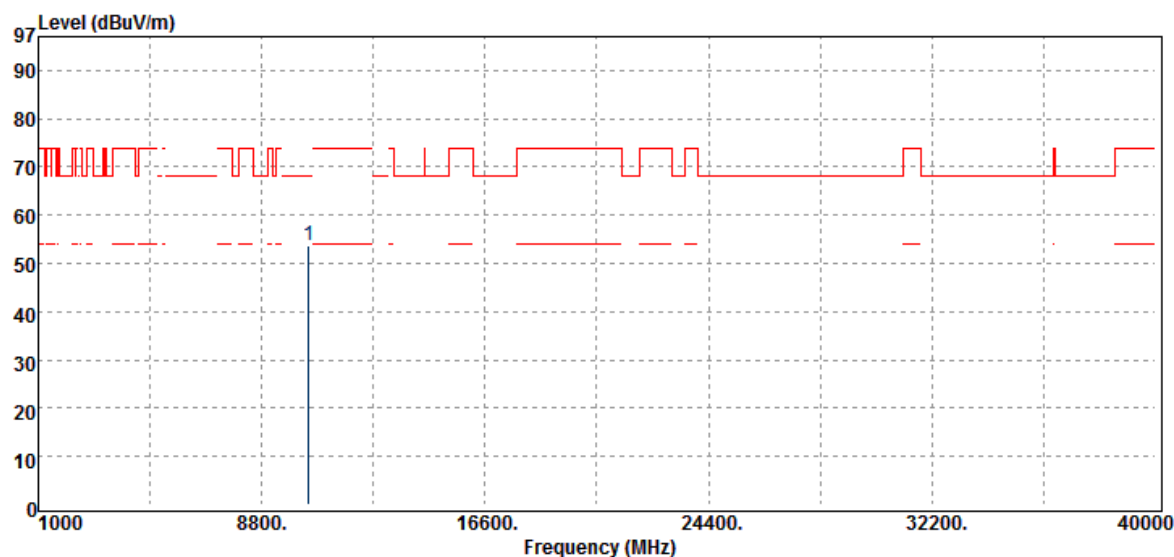
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Operation Band :802.11n20B1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.62	20.05	53.67	68.20	-14.53

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Operation Band	:802.11n20B1	Test Date	:2018-09-28
Fundamental Frequency	:5220 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



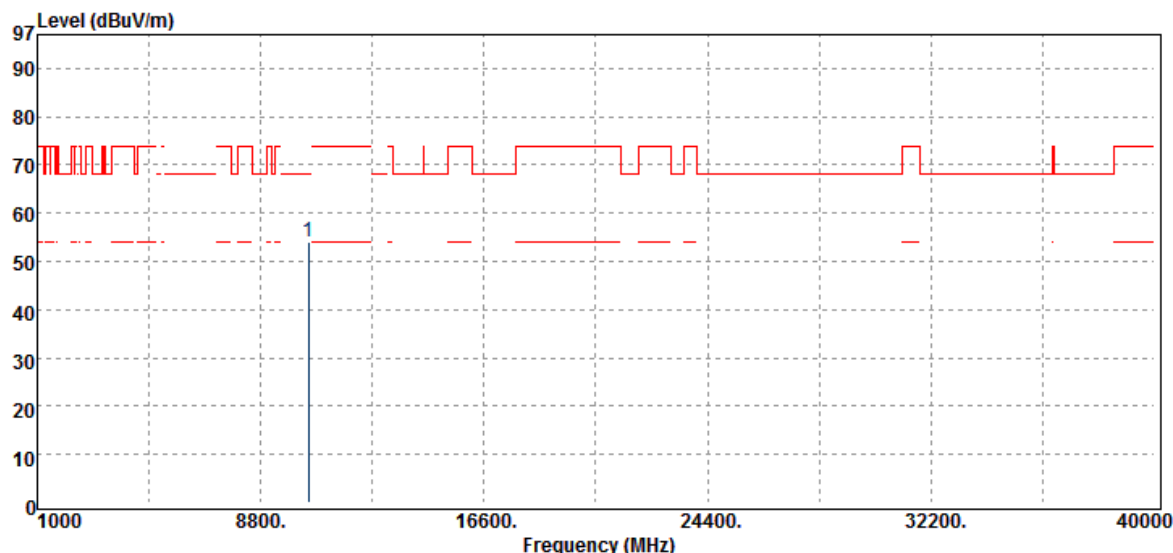
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.48	20.05	53.53	68.20	-14.67

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Operation Band	:802.11n20B1	Test Date	:2018-09-28
Fundamental Frequency	:5240 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	33.87	20.07	53.94	68.20	-14.26

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Operation Band	:802.11n20B1	Test Date	:2018-09-28
Fundamental Frequency	:5240 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	34.27	20.07	54.34	68.20	-13.86

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

Operation Band :802.11n20B2

Fundamental Frequency :5260 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

:2018-09-28

Temp./Humi.

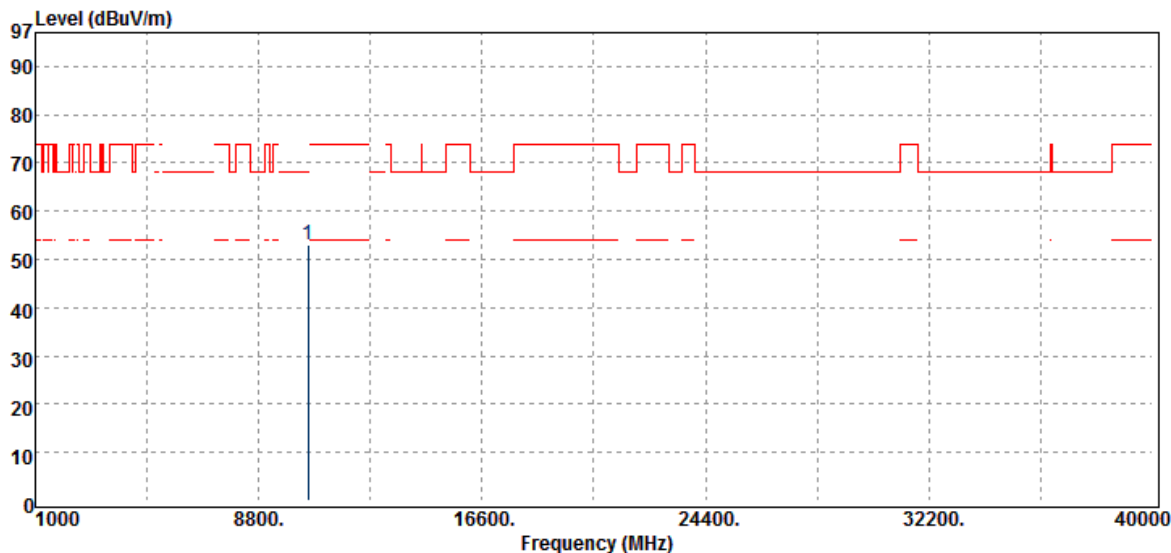
:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



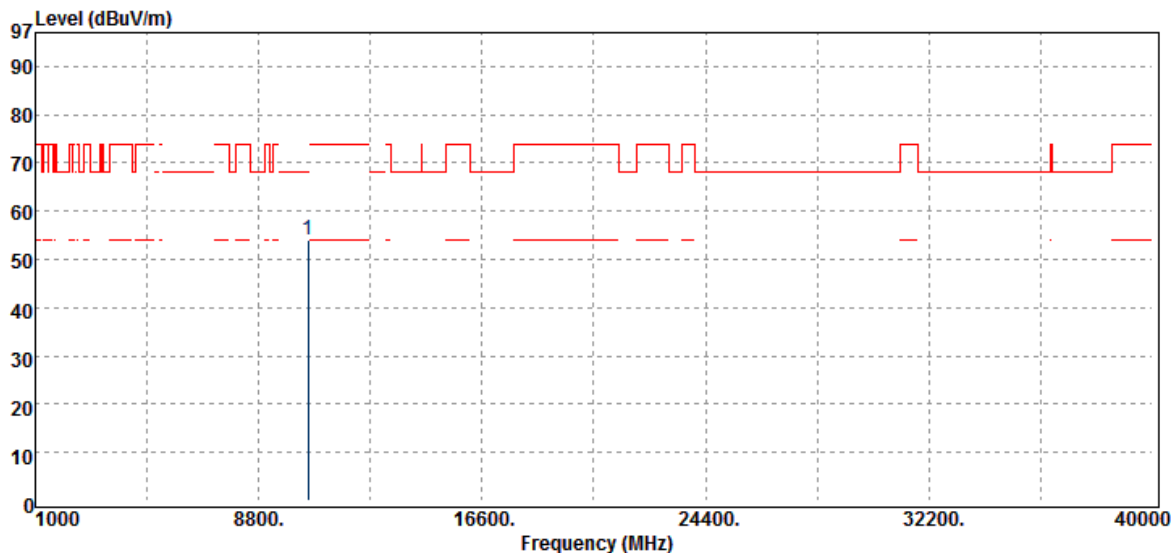
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.17	20.00	53.17	68.20	-15.03

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Operation Band	:802.11n20B2	Test Date	:2018-09-28
Fundamental Frequency	:5260 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



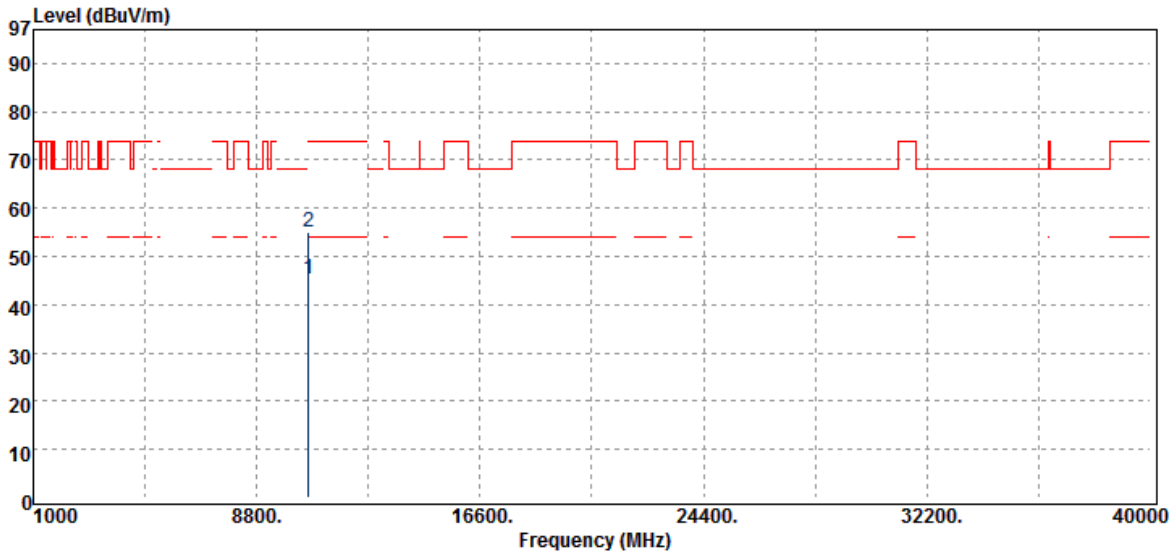
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	33.97	20.00	53.97	68.20	-14.23

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Operation Band	:802.11n20B2	Test Date	:2018-10-01
Fundamental Frequency	:5300 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	24.95	20.38	45.33	54.00	-8.67
10600.00	Peak	34.68	20.38	55.06	74.00	-18.94

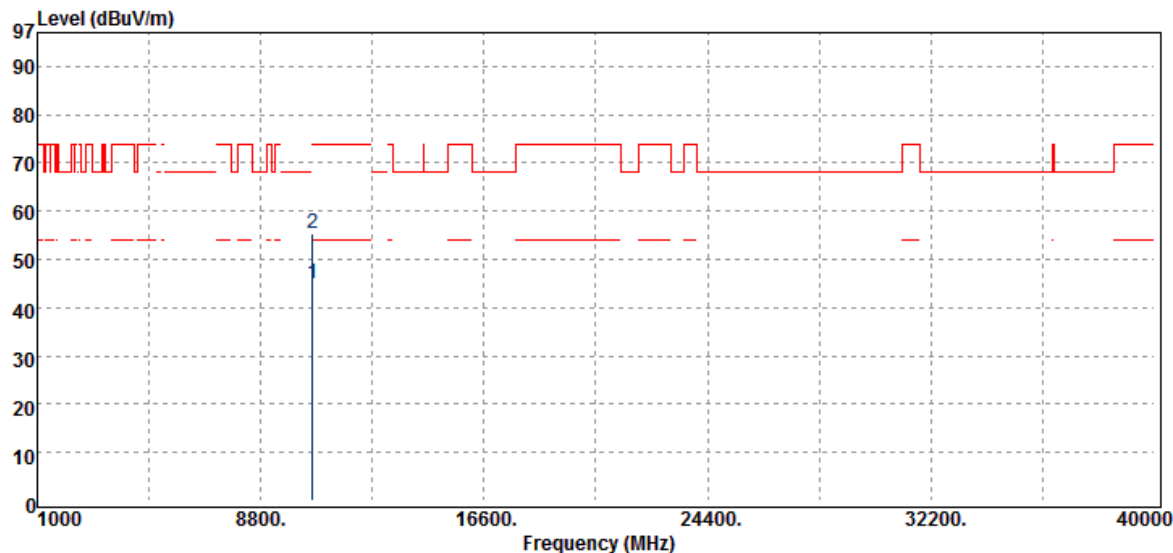
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Operation Band :802.11n20B2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



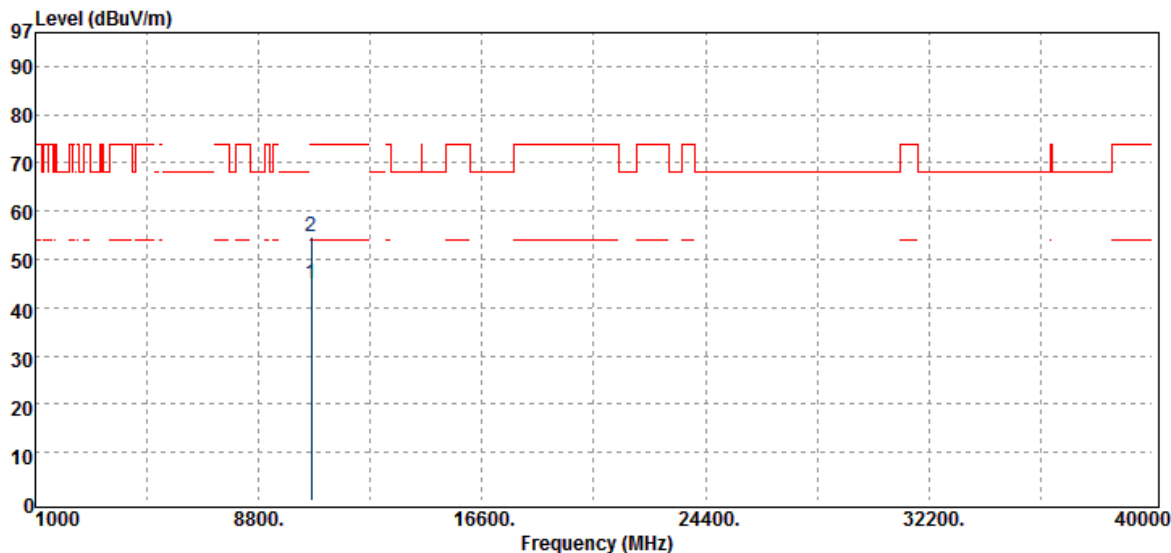
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	24.68	20.38	45.06	54.00	-8.94
10600.00	Peak	34.97	20.38	55.35	74.00	-18.65

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Operation Band	:802.11n20B2	Test Date	:2018-09-28
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



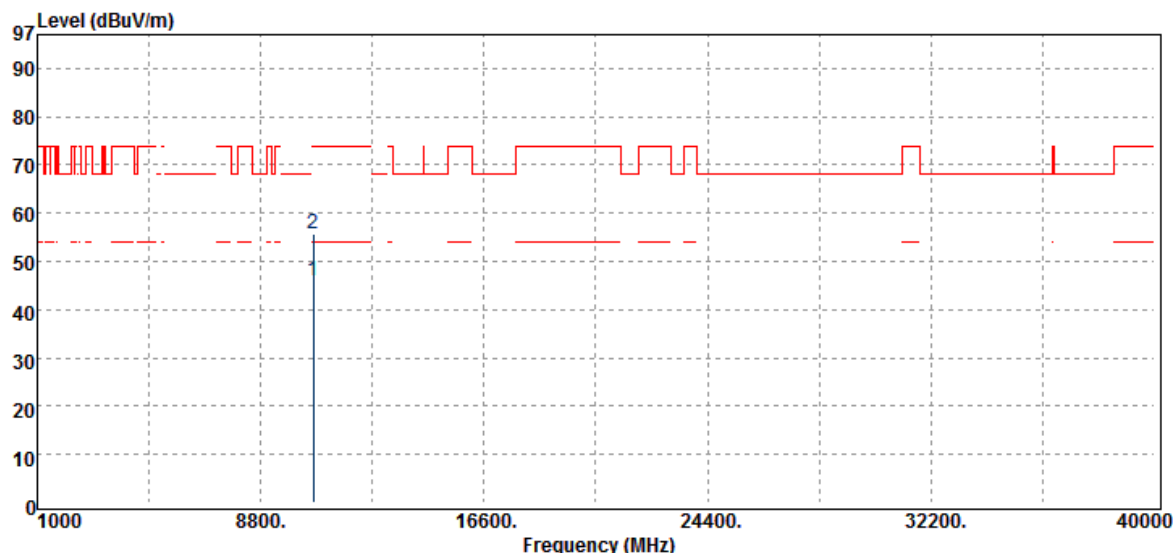
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	24.42	20.44	44.86	54.00	-9.14
10640.00	Peak	34.28	20.44	54.72	74.00	-19.28

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Operation Band	:802.11n20B2	Test Date	:2018-09-28
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	25.68	20.44	46.12	54.00	-7.88
10640.00	Peak	35.38	20.44	55.82	74.00	-18.18

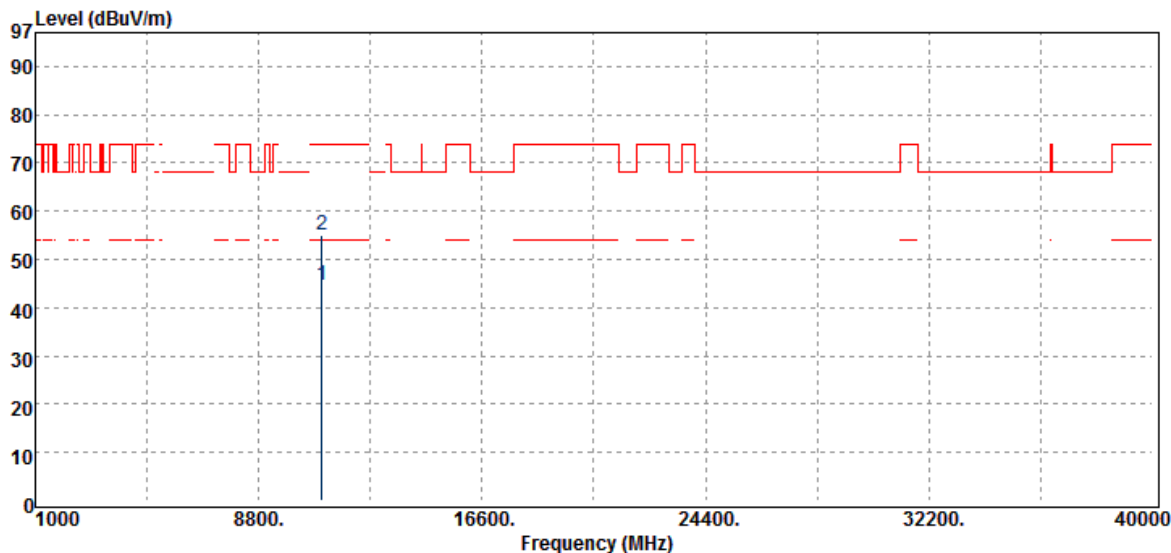
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5470~5725 MHz

Operation Band	:802.11n20B3	Test Date	:2018-09-28
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



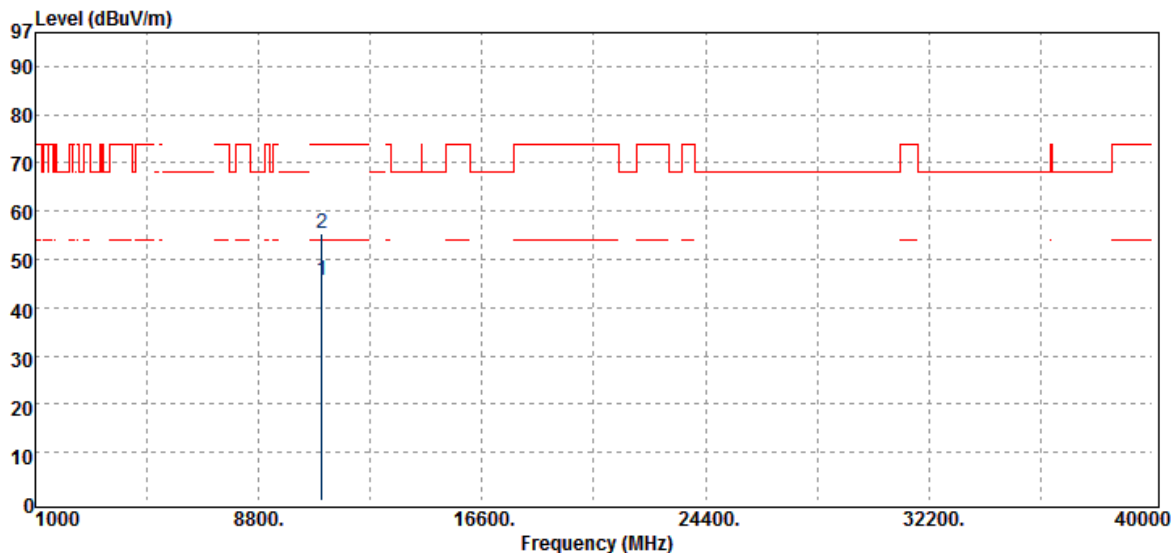
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.00	Average	23.12	21.37	44.49	54.00	-9.51
11000.00	Peak	33.57	21.37	54.94	74.00	-19.06

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Operation Band	:802.11n20B3	Test Date	:2018-09-28
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



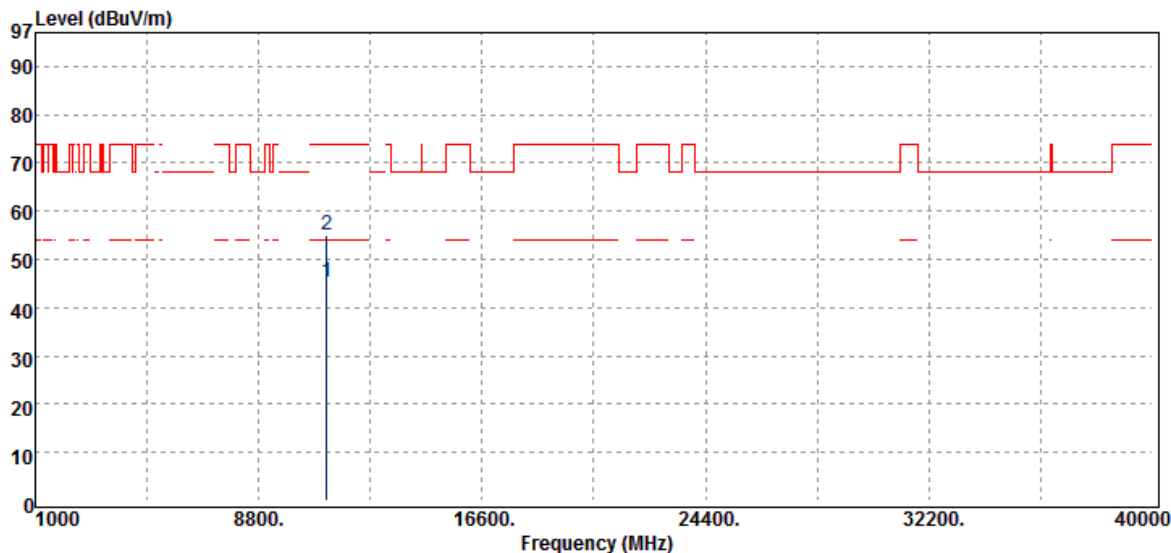
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	24.43	21.37	45.80	54.00	-8.20
11000.00	Peak	34.07	21.37	55.44	74.00	-18.56

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Operation Band	:802.11n20B3	Test Date	:2018-09-28
Fundamental Frequency	:5580 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



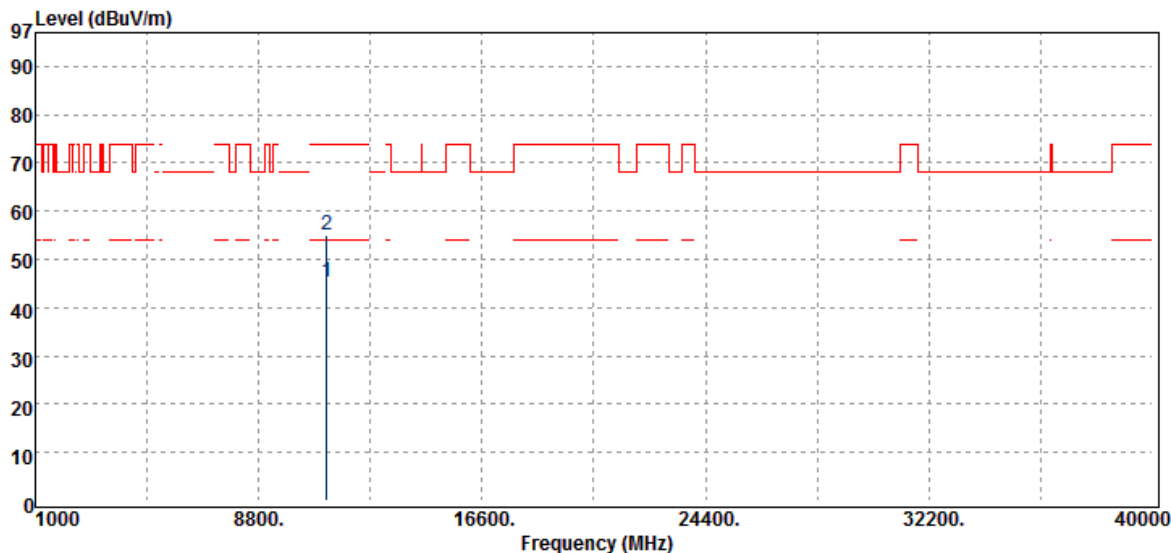
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	23.77	21.51	45.28	54.00	-8.72
11160.00	Peak	33.41	21.51	54.92	74.00	-19.08

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Operation Band	:802.11n20B3	Test Date	:2018-09-28
Fundamental Frequency	:5580 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



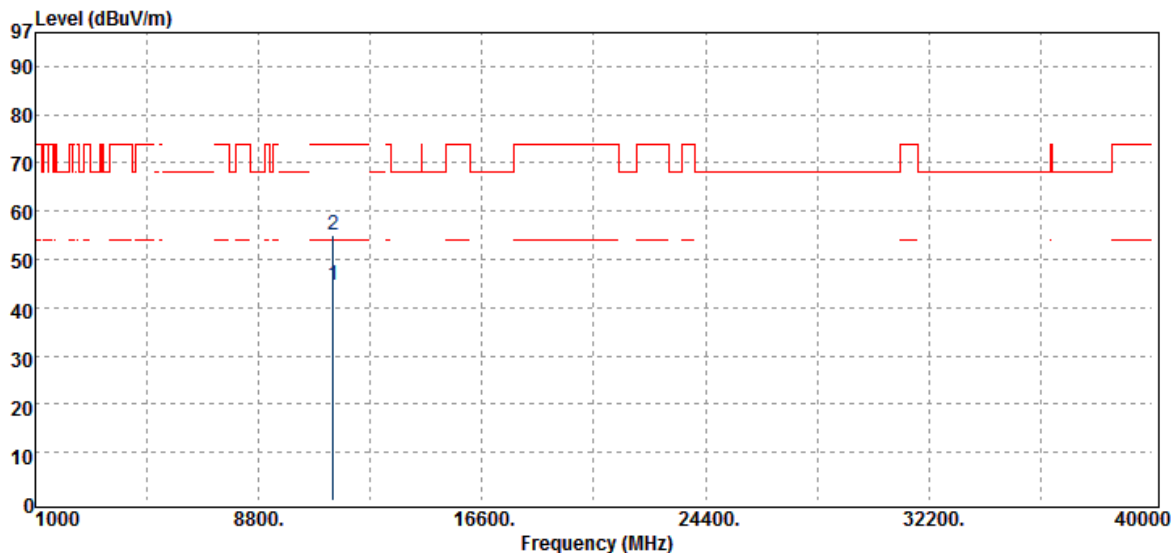
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	23.95	21.51	45.46	54.00	-8.54
11160.00	Peak	33.65	21.51	55.16	74.00	-18.84

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Operation Band	:802.11n20B3	Test Date	:2018-09-28
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	23.14	21.62	44.76	54.00	-9.24
11400.00	Peak	33.59	21.62	55.21	74.00	-18.79

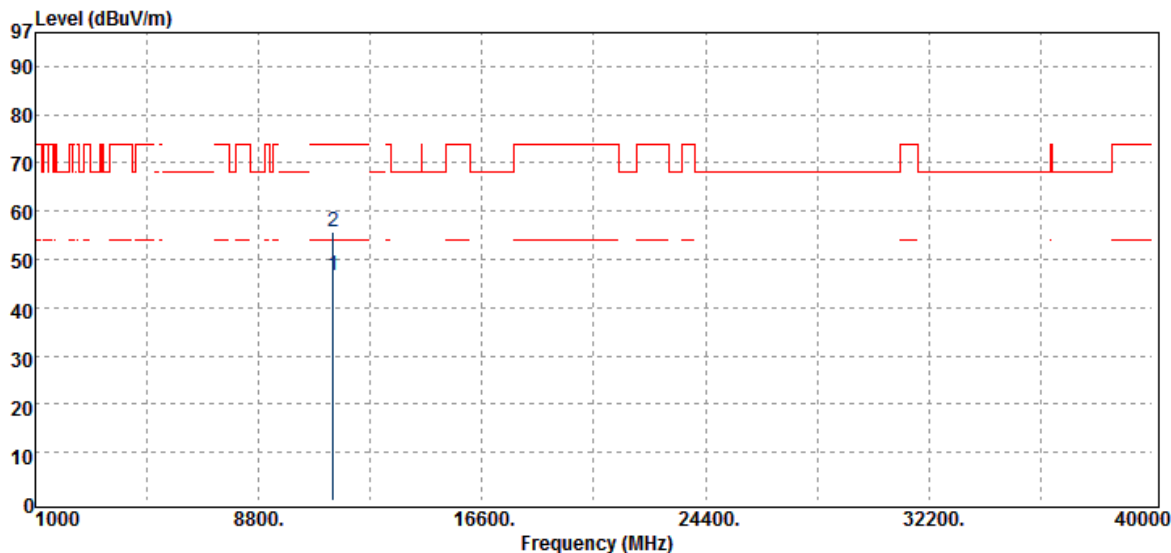
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Operation Band :802.11n20B3
Fundamental Frequency :5700 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	24.87	21.62	46.49	54.00	-7.51
11400.00	Peak	34.24	21.62	55.86	74.00	-18.14

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

Operation Band :802.11n20B4

Fundamental Frequency :5745 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

:2018-09-28

Temp./Humi.

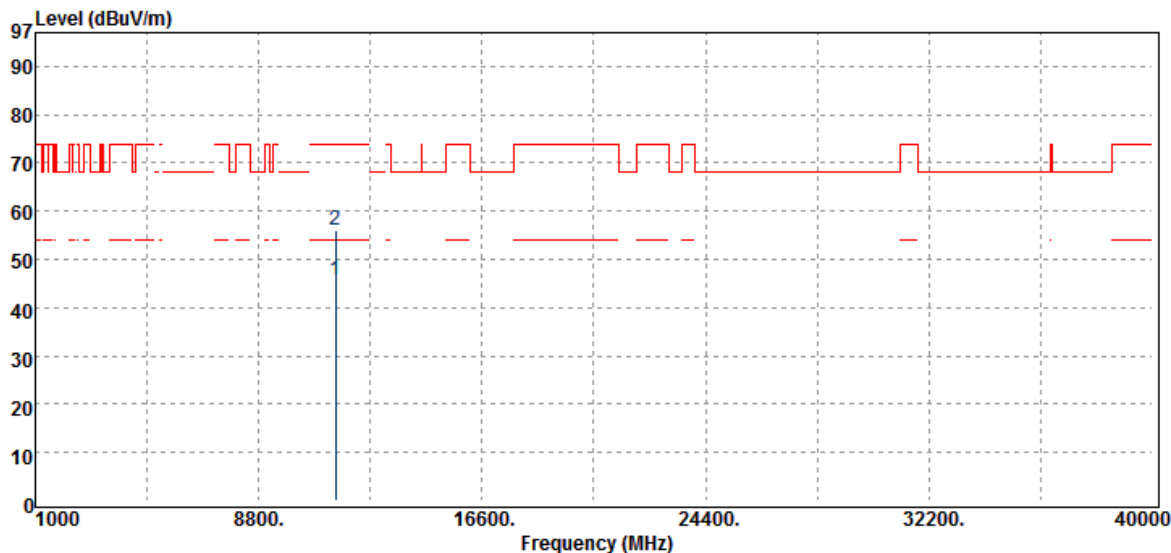
:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Average	24.11	21.61	45.72	54.00	-8.28
11490.00	Peak	34.43	21.61	56.04	74.00	-17.96

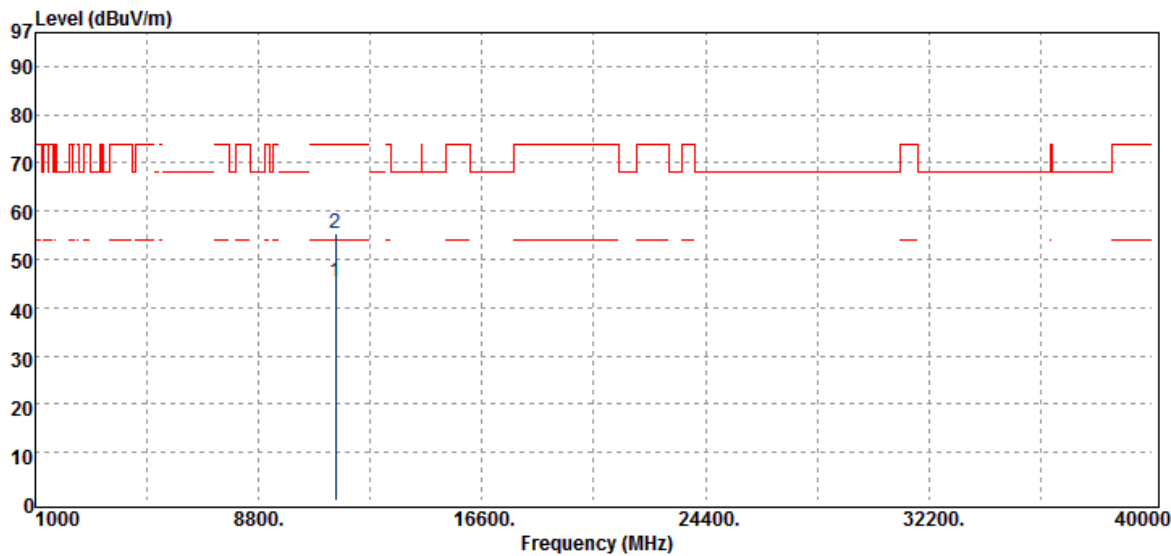
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Operation Band :802.11n20B4
 Fundamental Frequency :5745 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	23.58	21.61	45.19	54.00	-8.81
11490.00	Peak	33.73	21.61	55.34	74.00	-18.66

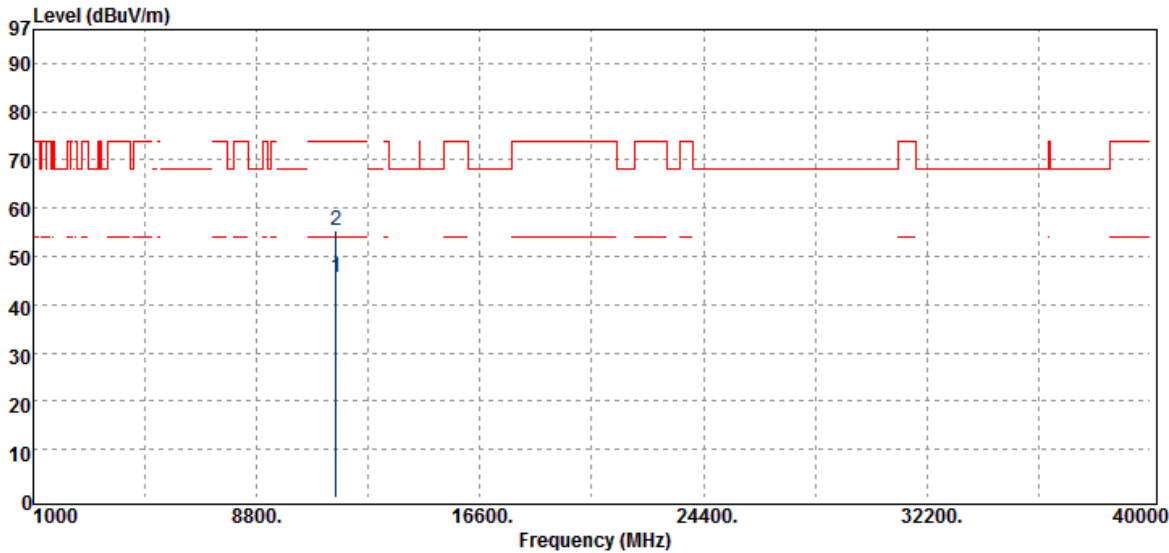
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Operation Band :802.11n20B4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.90	21.66	45.56	54.00	-8.44
11570.00	Peak	33.58	21.66	55.24	74.00	-18.76

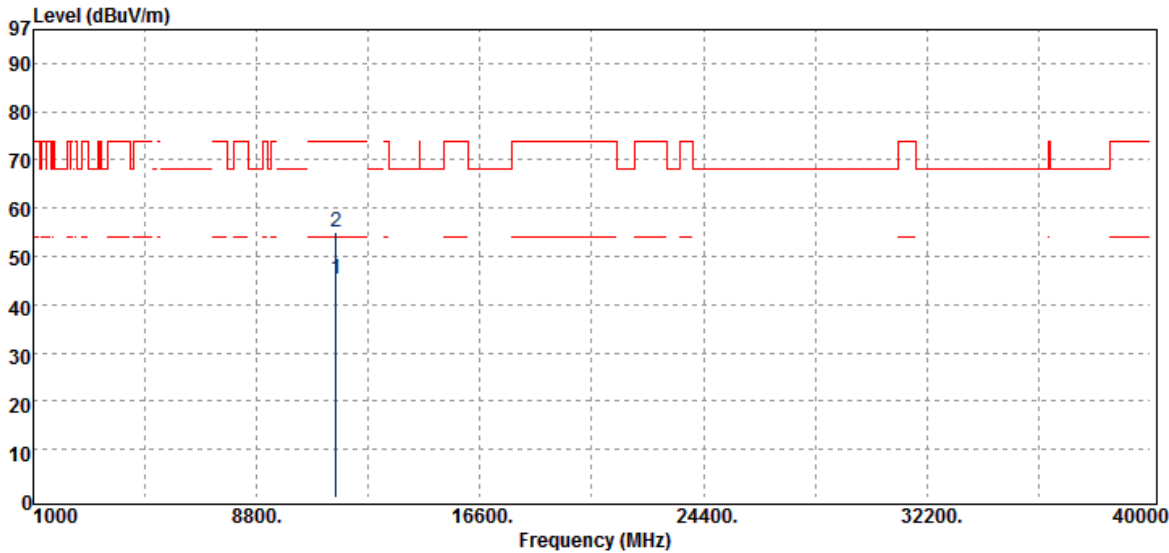
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Operation Band :802.11n20B4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	23.72	21.66	45.38	54.00	-8.62
11570.00	Peak	33.48	21.66	55.14	74.00	-18.86

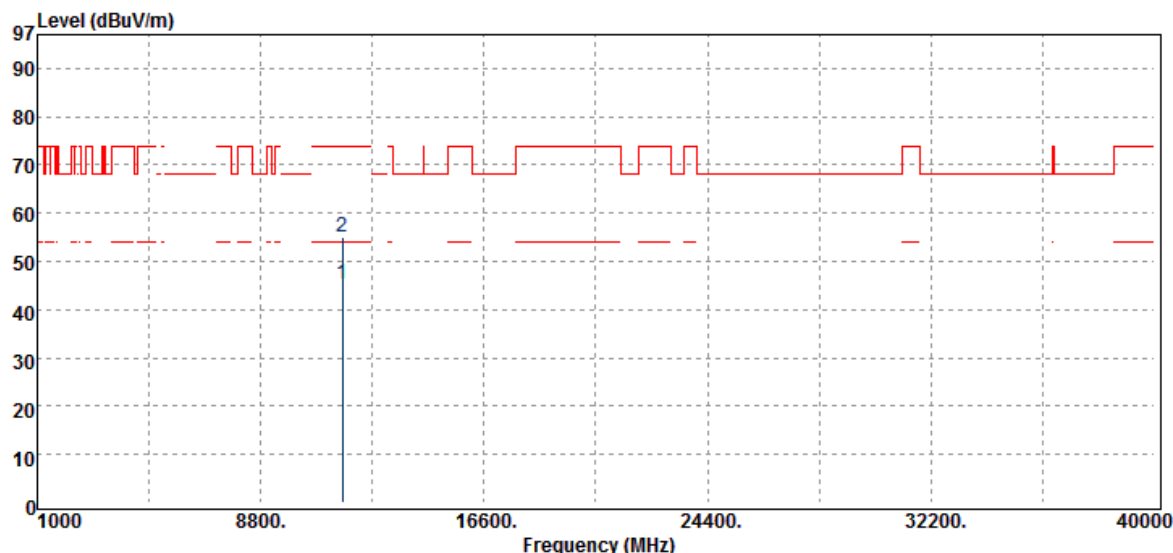
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Operation Band :802.11n20B4
Fundamental Frequency :5825 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-10-01
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



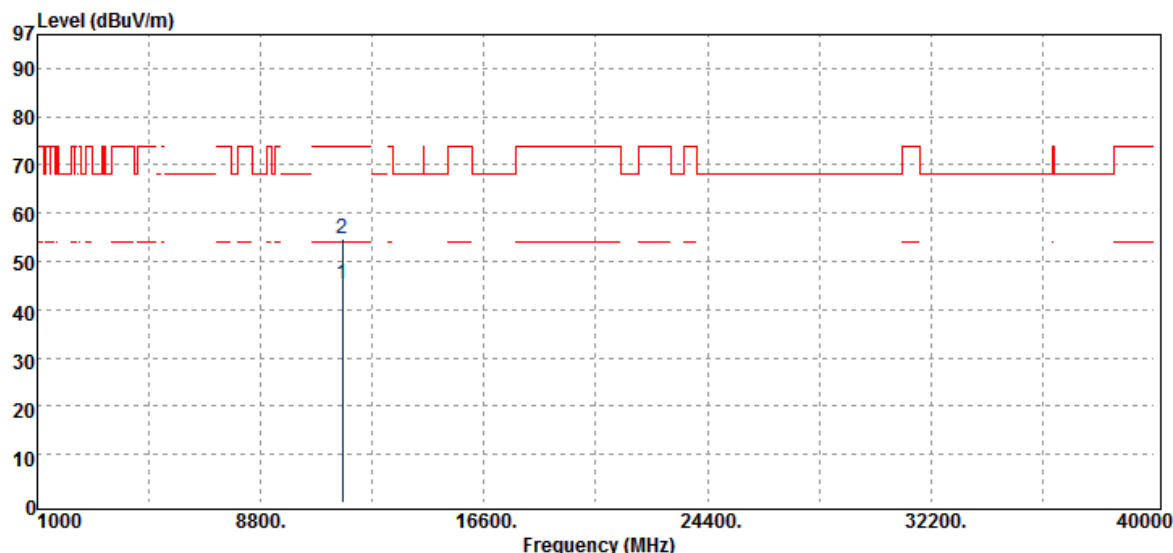
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	23.72	21.60	45.32	54.00	-8.68
11650.00	Peak	33.43	21.60	55.03	74.00	-18.97

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Operation Band	:802.11n20B4	Test Date	:2018-09-28
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	23.71	21.60	45.31	54.00	-8.69
11650.00	Peak	33.17	21.60	54.77	74.00	-19.23

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

Operation Band :802.11n40B1

Fundamental Frequency :5190 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

:2018-09-28

Temp./Humi.

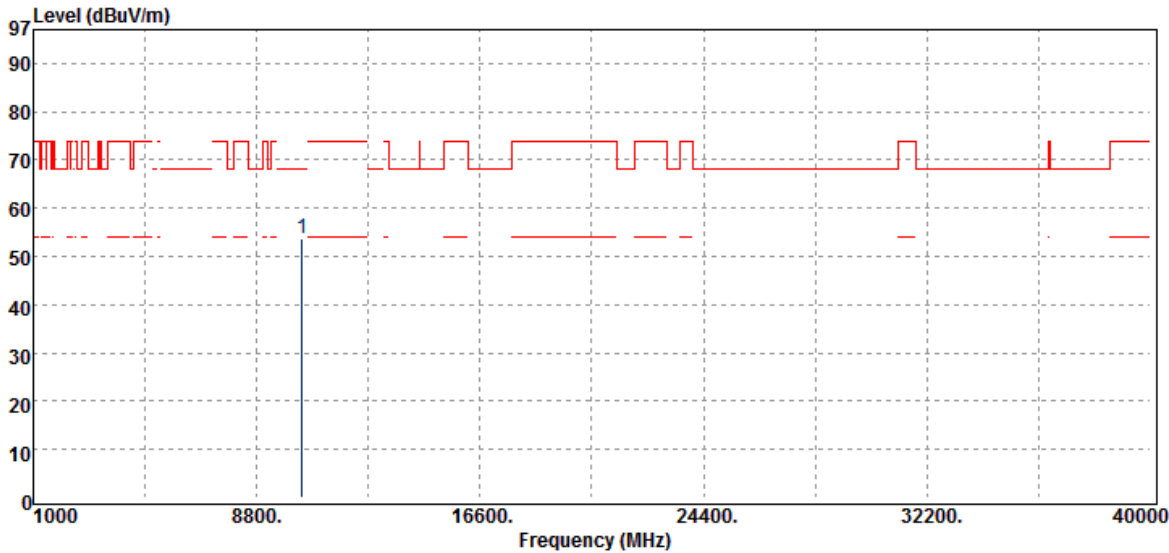
:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	33.77	19.78	53.55	68.20	-14.65

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Operation Band	:802.11n40B1	Test Date	:2018-09-28
Fundamental Frequency	:5190 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	33.84	19.78	53.62	68.20	-14.58

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Operation Band	:802.11n40B1	Test Date	:2018-09-28
Fundamental Frequency	:5230 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.00	Peak	33.28	20.07	53.35	68.20	-14.85

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Operation Band	:802.11n40B1	Test Date	:2018-09-28
Fundamental Frequency	:5230 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.00	Peak	34.52	20.07	54.59	68.20	-13.61

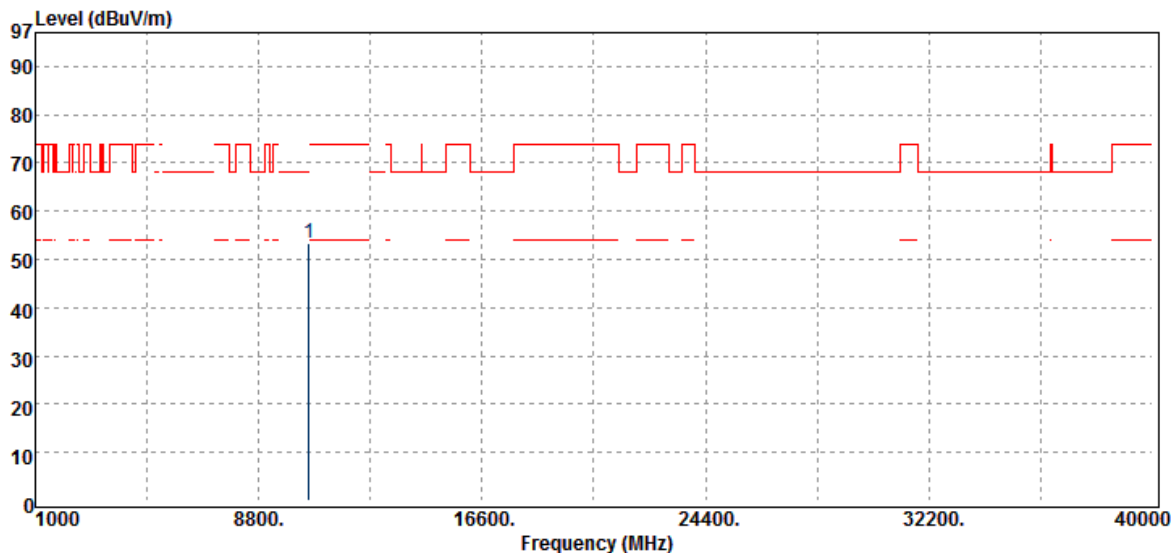
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5250~5350 MHz

Operation Band	:802.11n40B2	Test Date	:2018-09-28
Fundamental Frequency	:5270 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	33.19	20.02	53.21	68.20	-14.99

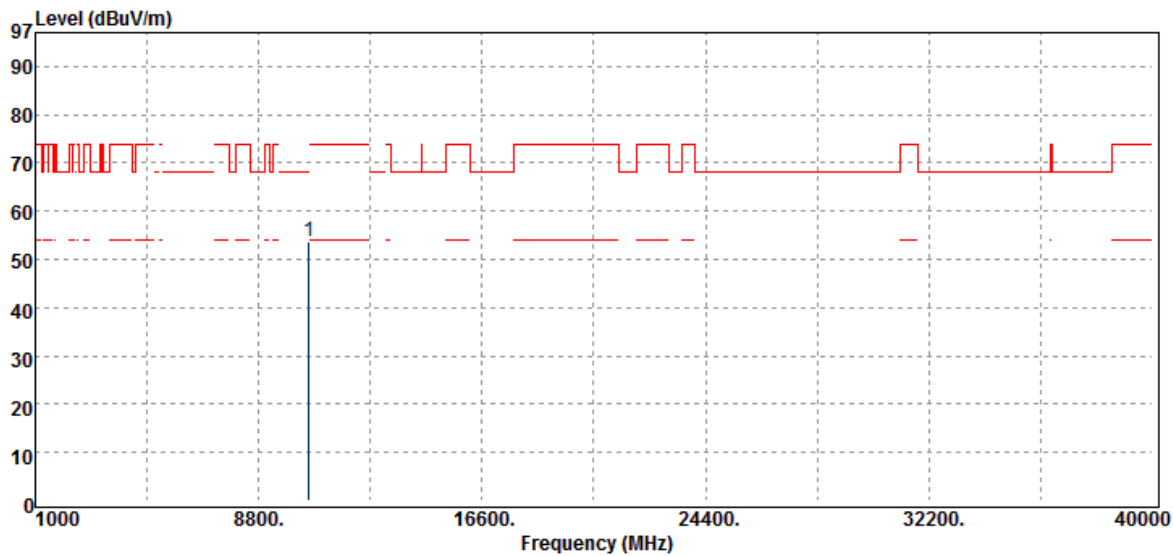
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Operation Band :802.11n40B2
 Fundamental Frequency :5270 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	33.69	20.02	53.71	68.20	-14.49

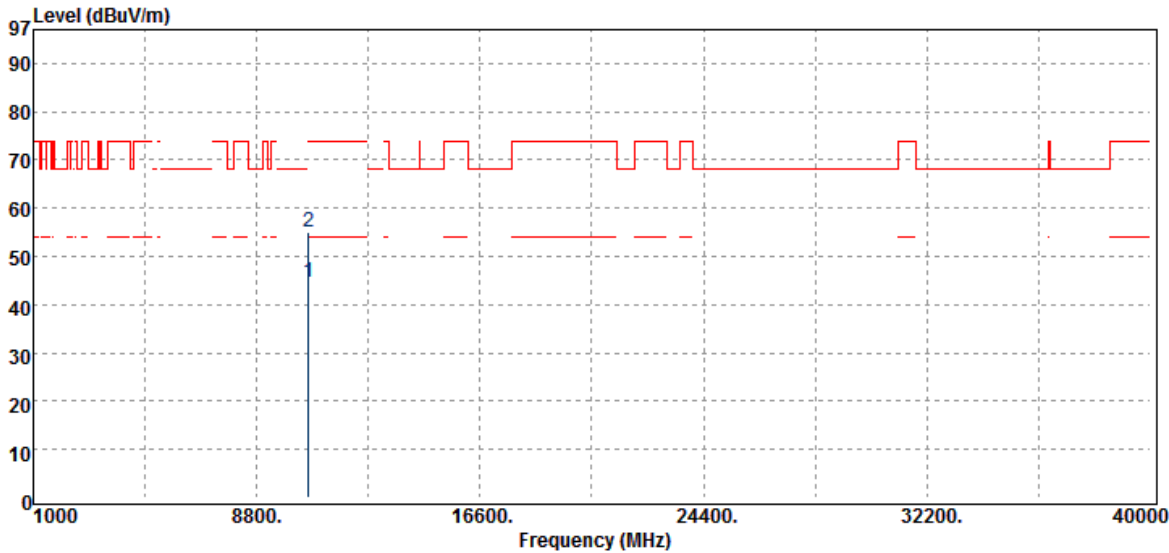
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Operation Band :802.11n40B2
 Fundamental Frequency :5310 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



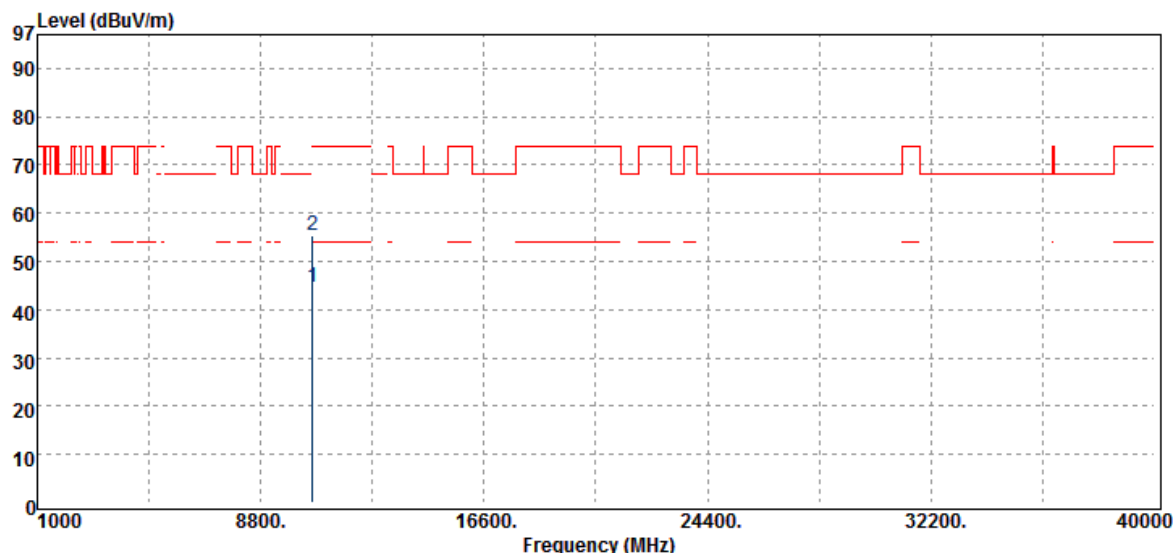
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	24.19	20.41	44.60	54.00	-9.40
10620.00	Peak	34.47	20.41	54.88	74.00	-19.12

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Operation Band	:802.11n40B2	Test Date	:2018-10-01
Fundamental Frequency	:5310 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	24.33	20.41	44.74	54.00	-9.26
10620.00	Peak	34.97	20.41	55.38	74.00	-18.62

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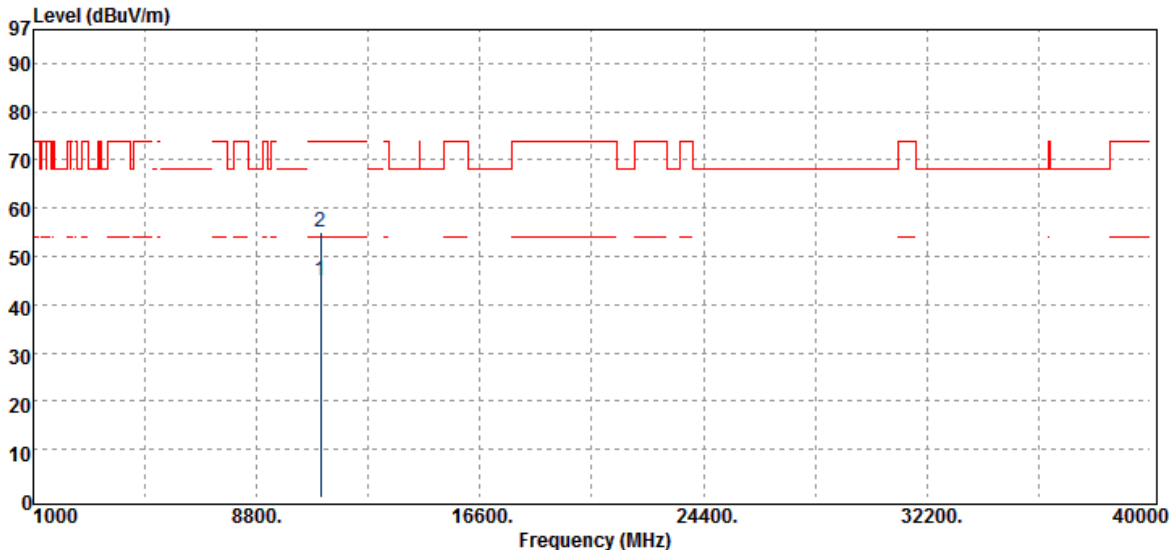
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5470~5725 MHz

Operation Band :802.11n40B3
Fundamental Frequency :5510 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-10-01
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11020.00	Average	23.61	21.46	45.07	54.00	-8.93
11020.00	Peak	33.74	21.46	55.20	74.00	-18.80

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台灣檢驗科技股份有限公司

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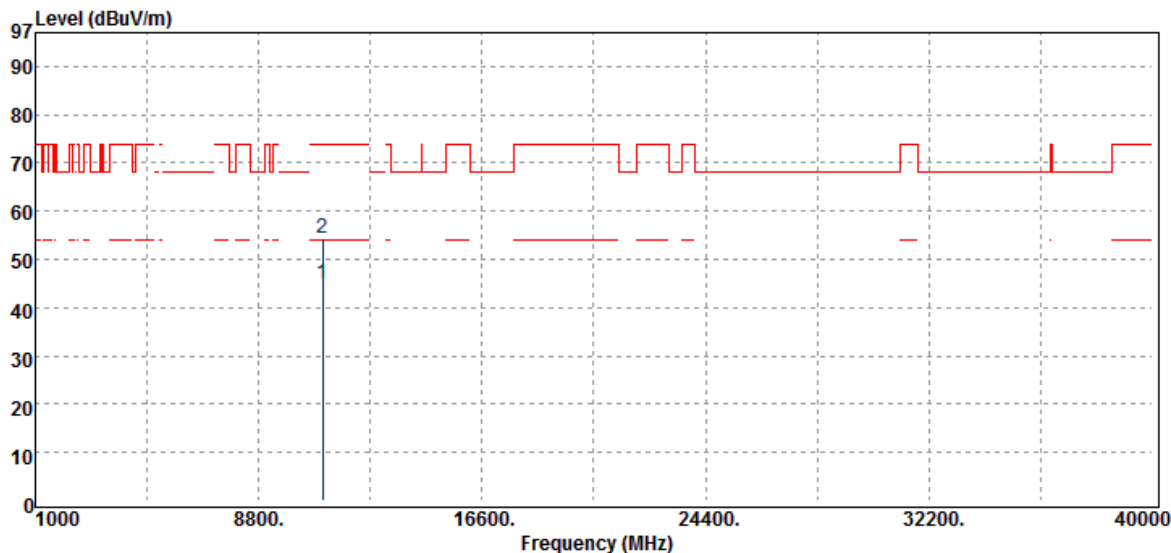
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Member of SGS Group

Operation Band	:802.11n40B3	Test Date	:2018-10-01
Fundamental Frequency	:5510 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



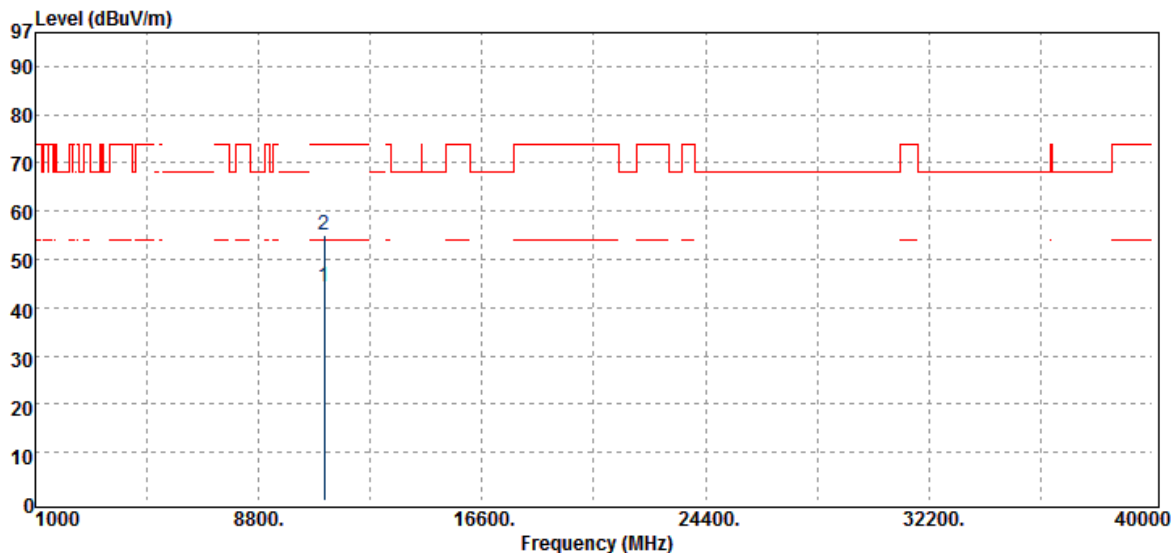
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Average	23.55	21.46	45.01	54.00	-8.99
11020.00	Peak	33.08	21.46	54.54	74.00	-19.46

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Operation Band	:802.11n40B3	Test Date	:2018-09-28
Fundamental Frequency	:5550 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Average	22.88	21.53	44.41	54.00	-9.59
11100.00	Peak	33.67	21.53	55.20	74.00	-18.80

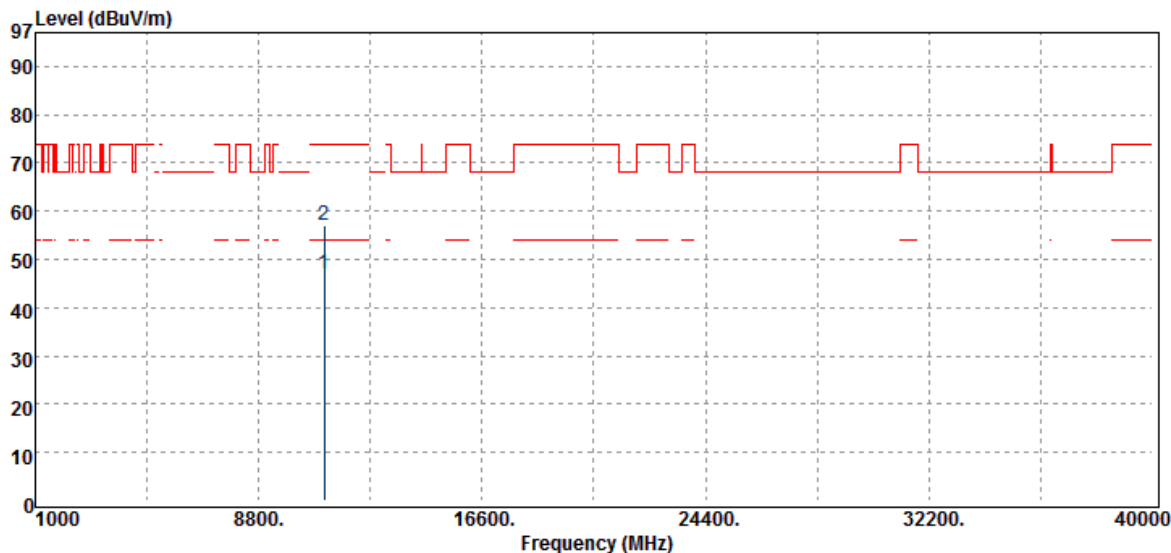
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Operation Band :802.11n40B3
Fundamental Frequency :5550 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11100.00	Average	25.47	21.53	47.00	54.00	-7.00
11100.00	Peak	35.69	21.53	57.22	74.00	-16.78

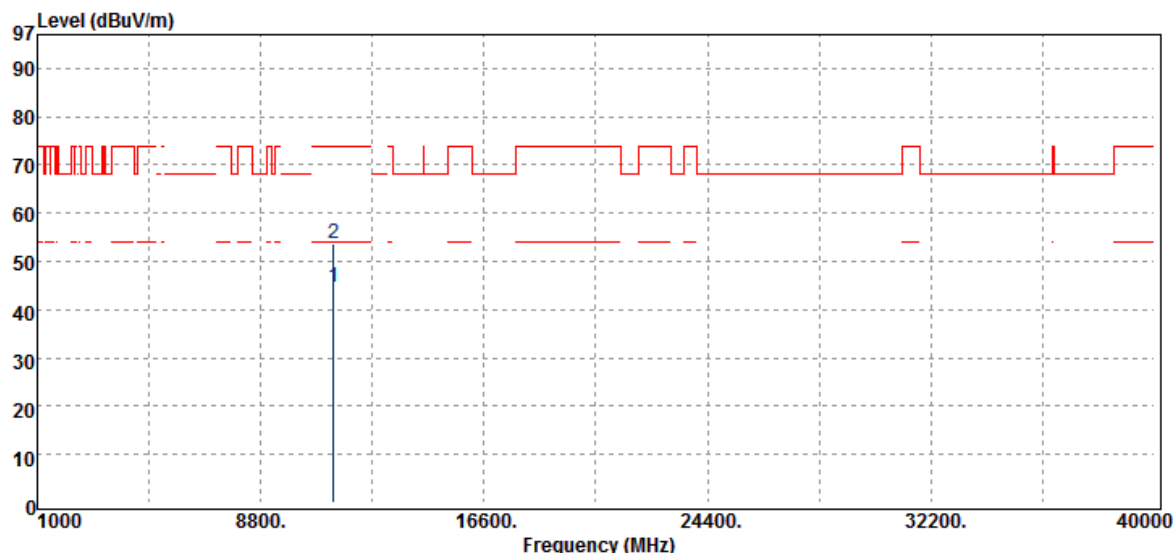
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Operation Band :802.11n40B3
Fundamental Frequency :5670 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



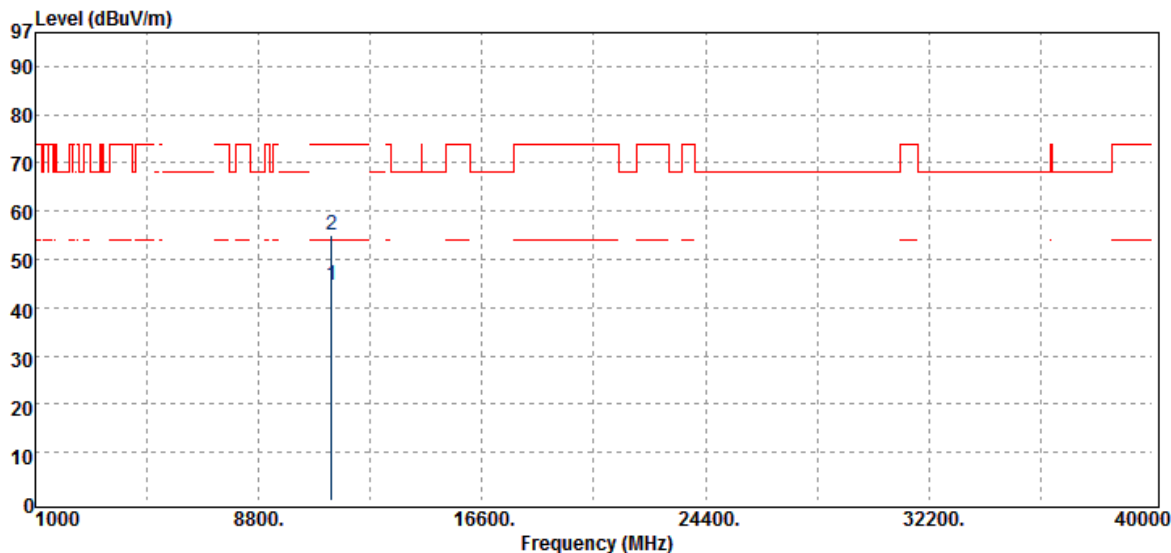
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	23.08	21.54	44.62	54.00	-9.38
11340.00	Peak	32.12	21.54	53.66	74.00	-20.34

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Operation Band	:802.11n40B3	Test Date	:2018-09-28
Fundamental Frequency	:5670 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	23.17	21.54	44.71	54.00	-9.29
11340.00	Peak	33.38	21.54	54.92	74.00	-19.08

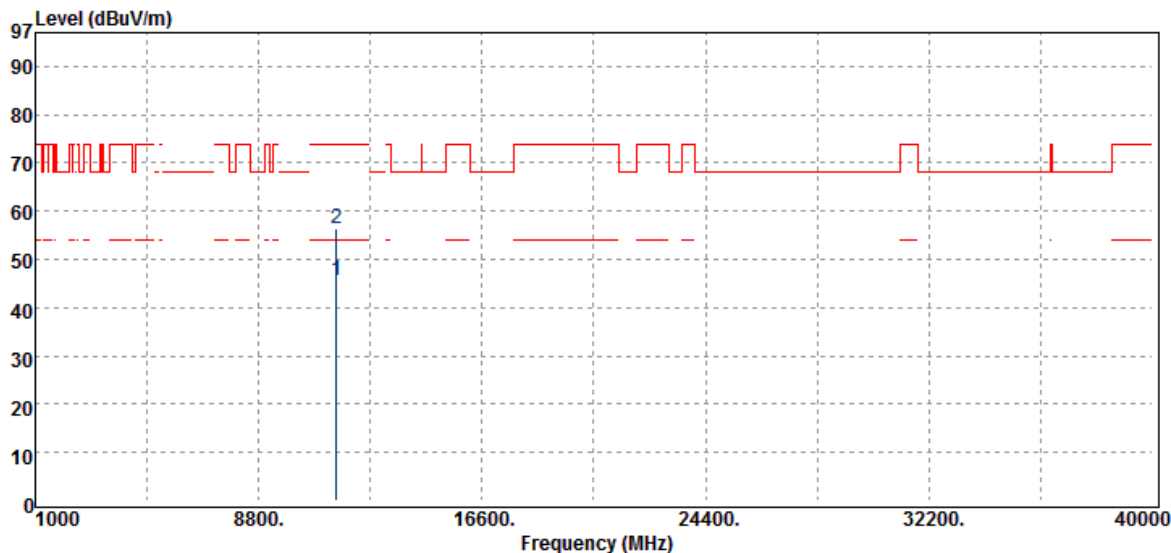
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5725~5850 MHz

Operation Band	:802.11n40B4	Test Date	:2018-09-28
Fundamental Frequency	:5755 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



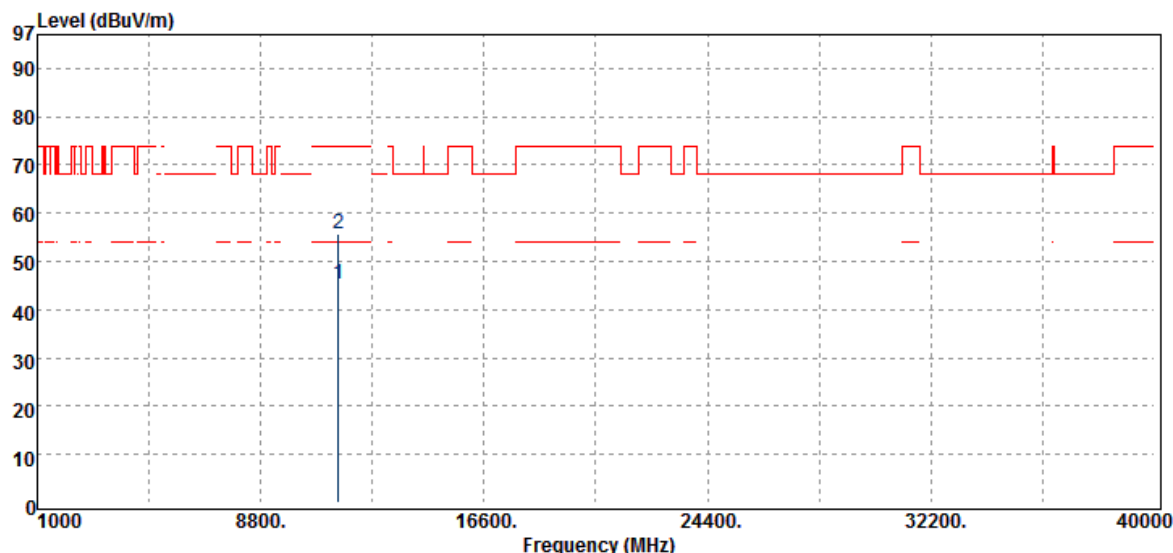
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11510.00	Average	23.96	21.66	45.62	54.00	-8.38
11510.00	Peak	34.82	21.66	56.48	74.00	-17.52

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Operation Band	:802.11n40B4	Test Date	:2018-09-28
Fundamental Frequency	:5755 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



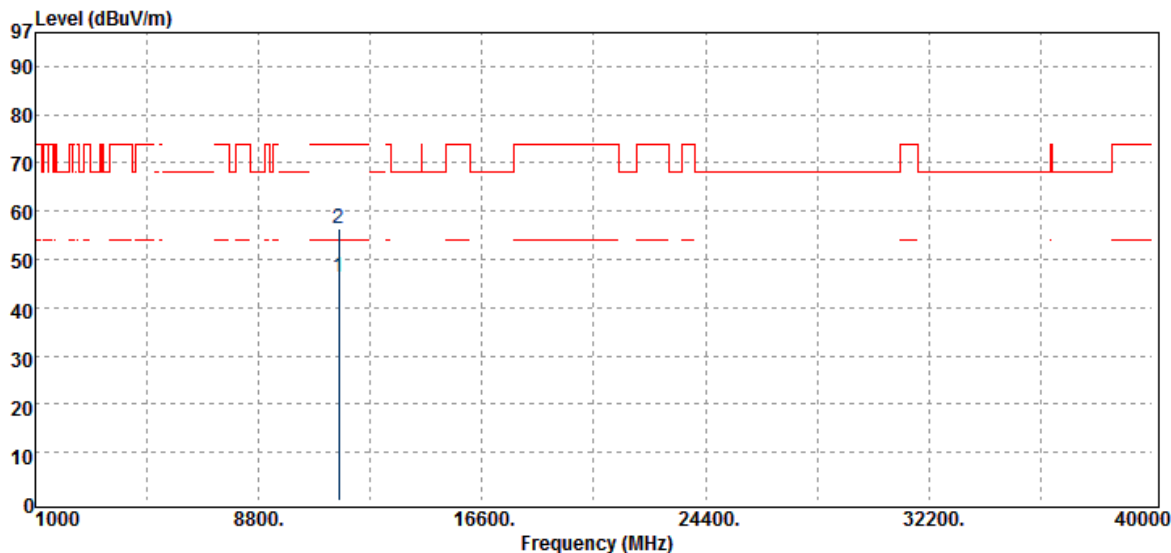
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.00	Average	23.49	21.66	45.15	54.00	-8.85
11510.00	Peak	33.97	21.66	55.63	74.00	-18.37

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Operation Band	:802.11n40B4	Test Date	:2018-09-28
Fundamental Frequency	:5795 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	24.73	21.66	46.39	54.00	-7.61
11590.00	Peak	34.87	21.66	56.53	74.00	-17.47

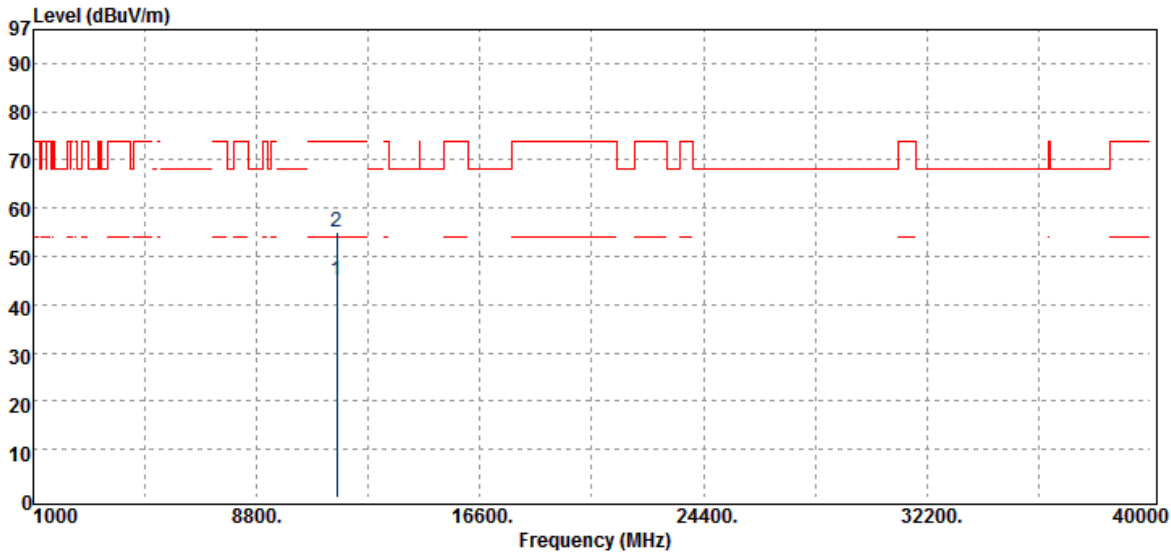
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Operation Band :802.11n40B4
Fundamental Frequency :5795 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11590.00	Average	23.18	21.66	44.84	54.00	-9.16
11590.00	Peak	33.27	21.66	54.93	74.00	-19.07

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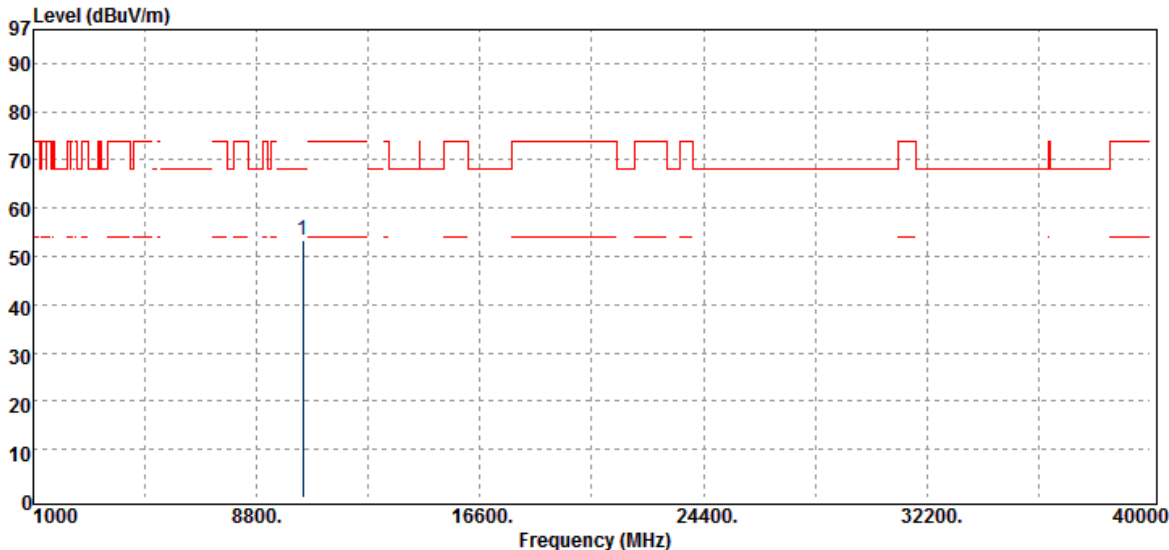
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5150~5250 MHz

Operation Band :802.11ac80B1
Fundamental Frequency :5210 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.00	Peak	33.34	19.99	53.33	68.20	-14.87

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Operation Band	:802.11ac80B1	Test Date	:2018-09-28
Fundamental Frequency	:5210 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.00	Peak	33.44	19.99	53.43	68.20	-14.77

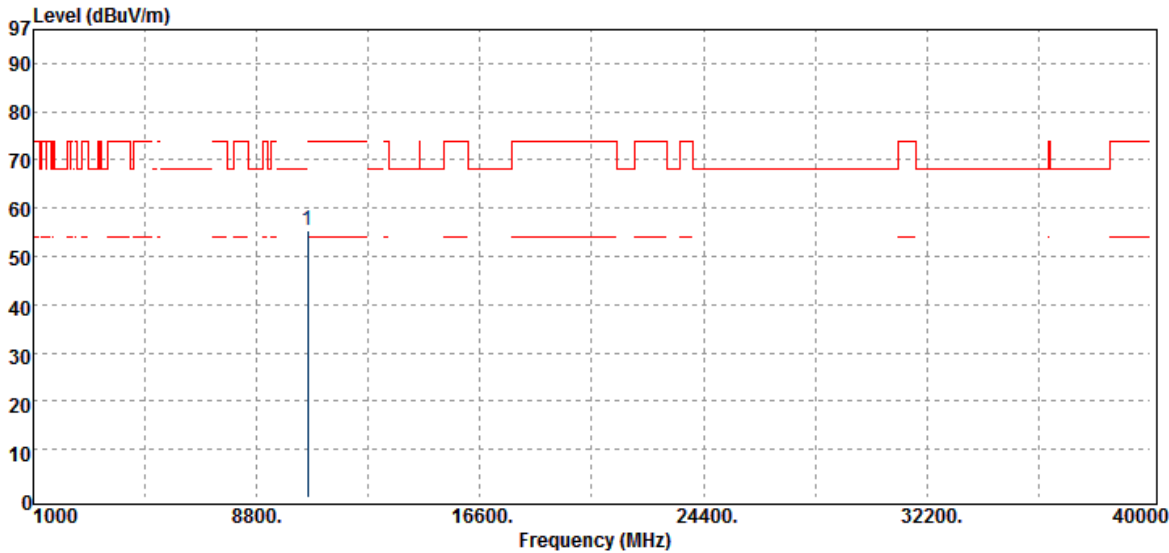
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5250~5350 MHz

Operation Band	:802.11ac80B2	Test Date	:2018-09-28
Fundamental Frequency	:5290 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



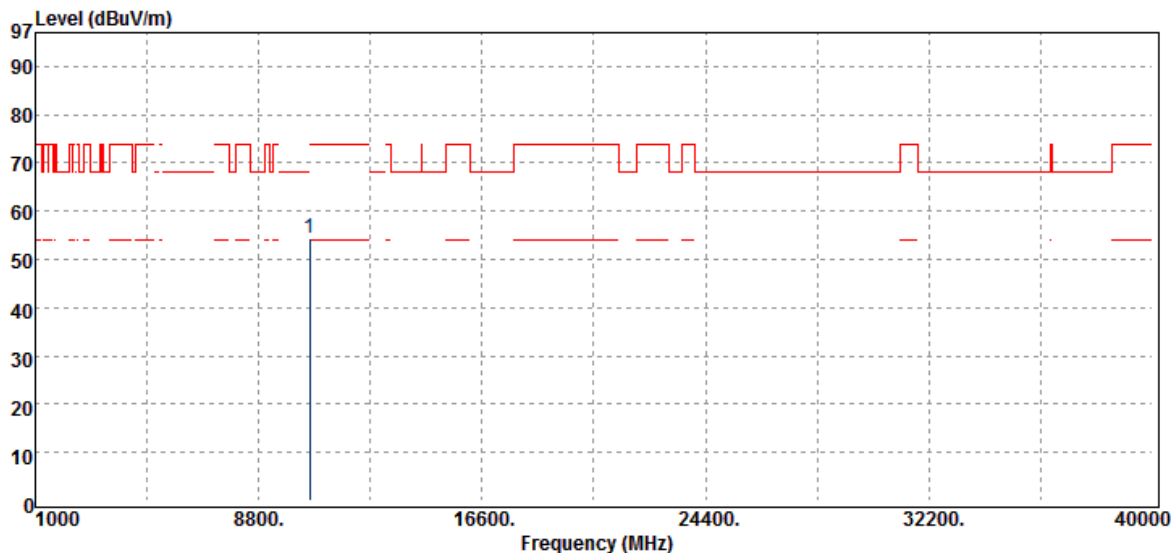
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.00	Peak	35.09	20.23	55.32	68.20	-12.88

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Operation Band	:802.11ac80B2	Test Date	:2018-09-28
Fundamental Frequency	:5290 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.00	Peak	34.17	20.23	54.40	68.20	-13.80

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

Operation Band :802.11ac80B3

Fundamental Frequency :5530 MHz

Operation Mode :Tx CH LOW

EUT Pol. :E2 Plane

Test Date

:2018-09-28

Temp./Humi.

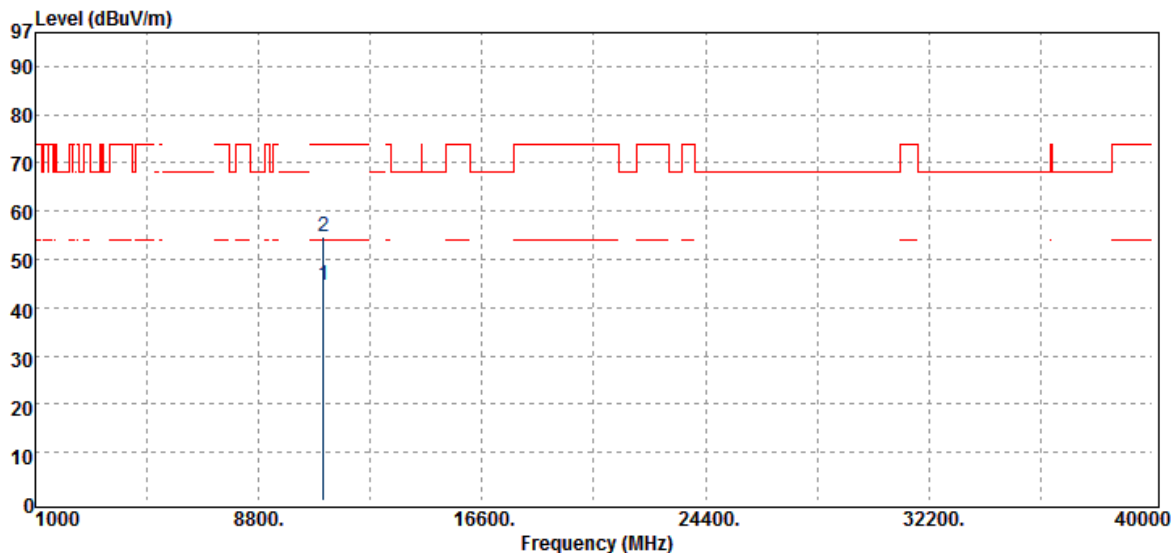
:23 deg_C / 62 RH

Engineer

:Wei

Measurement Antenna Pol.

:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11060.00	Average	23.28	21.53	44.81	54.00	-9.19
11060.00	Peak	33.12	21.53	54.65	74.00	-19.35

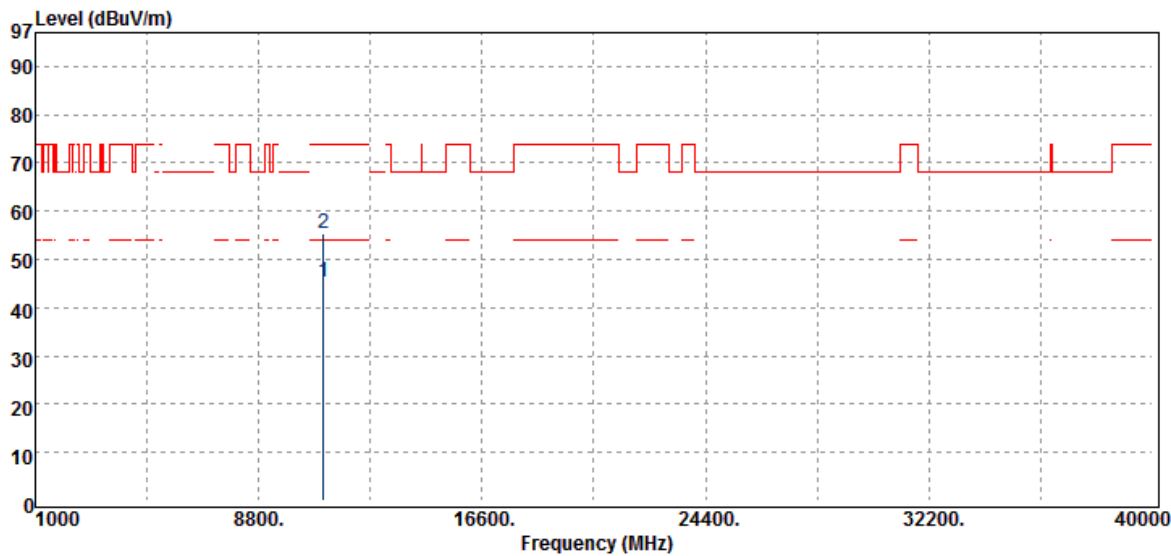
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Operation Band :802.11ac80B3
Fundamental Frequency :5530 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-28
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.00	Average	23.64	21.53	45.17	54.00	-8.83
11060.00	Peak	33.77	21.53	55.30	74.00	-18.70

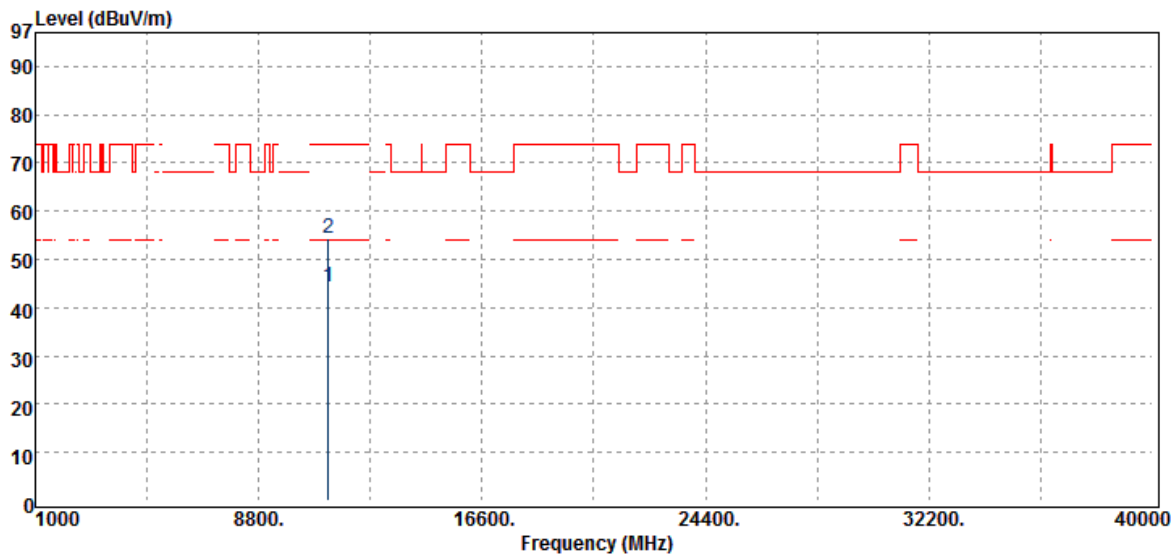
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Operation Band :802.11ac80B3
 Fundamental Frequency :5610 MHz
 Operation Mode :Tx CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



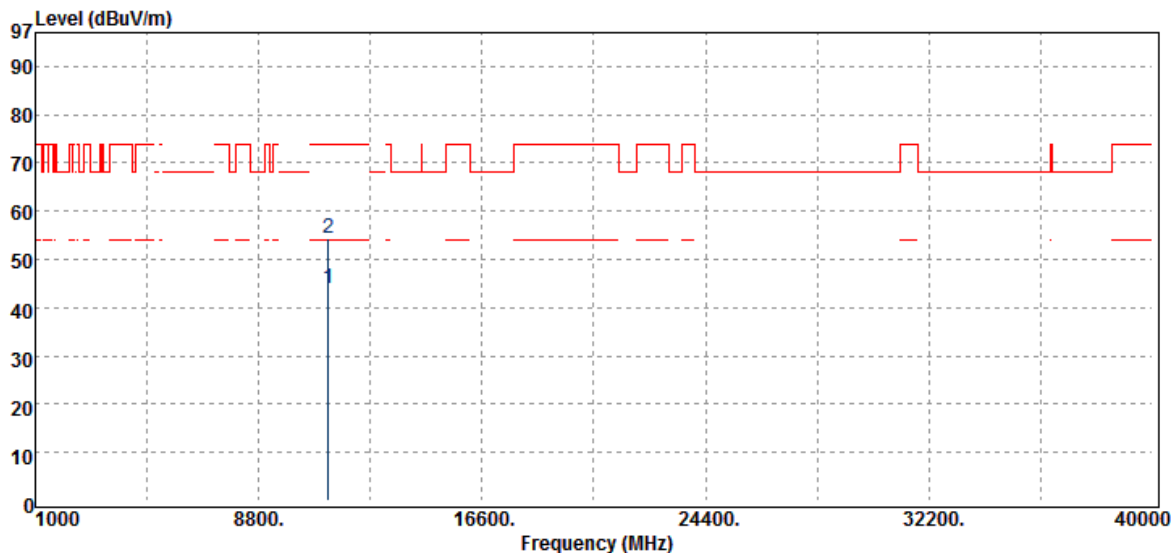
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11220.00	Average	22.68	21.56	44.24	54.00	-9.76
11220.00	Peak	32.71	21.56	54.27	74.00	-19.73

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Operation Band	:802.11ac80B3	Test Date	:2018-09-28
Fundamental Frequency	:5610 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.00	Average	22.47	21.56	44.03	54.00	-9.97
11220.00	Peak	32.68	21.56	54.24	74.00	-19.76

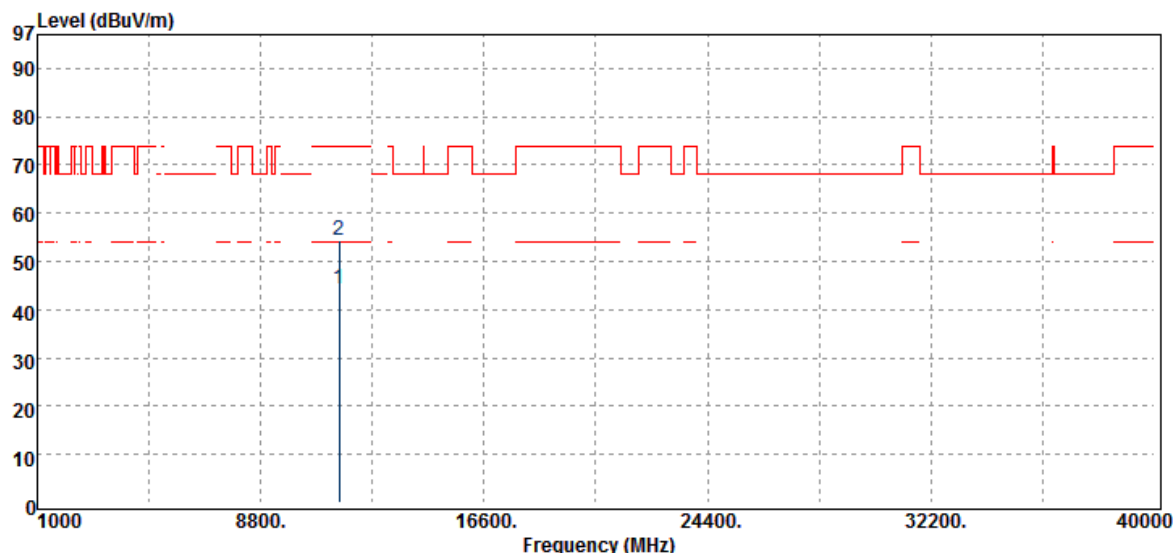
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5725~5850 MHz

Operation Band	:802.11ac80B4	Test Date	:2018-09-28
Fundamental Frequency	:5775 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11550.00	Average	22.63	21.66	44.29	54.00	-9.71
11550.00	Peak	32.57	21.66	54.23	74.00	-19.77

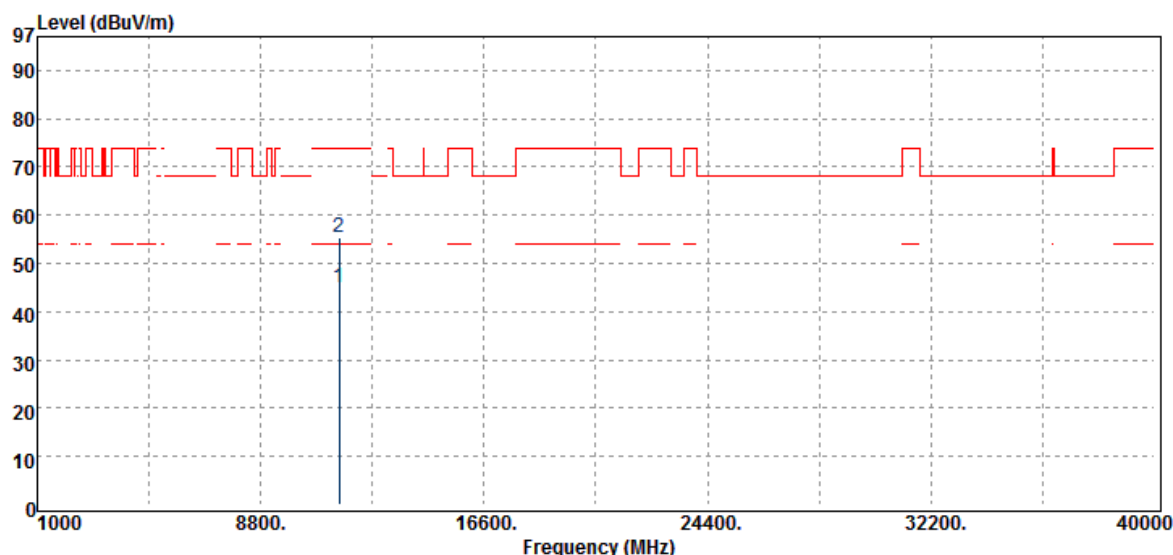
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Operation Band :802.11ac80B4
 Fundamental Frequency :5775 MHz
 Operation Mode :Tx CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-28
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.00	Average	23.39	21.66	45.05	54.00	-8.95
11550.00	Peak	33.67	21.66	55.33	74.00	-18.67

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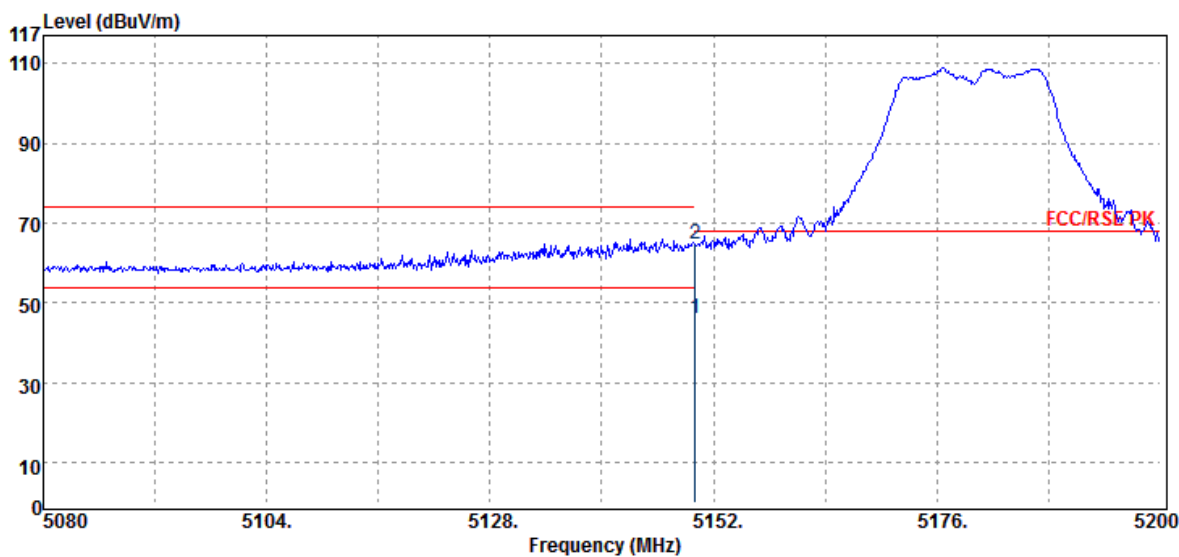
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Band edge falling to restricted band

External Antenna (Type: Dipole antenna, Model No.: R380500314)

802.11a mode

Operation Band	:802.11aB1	Test Date	:2018-09-19
Fundamental Frequency	:5180 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



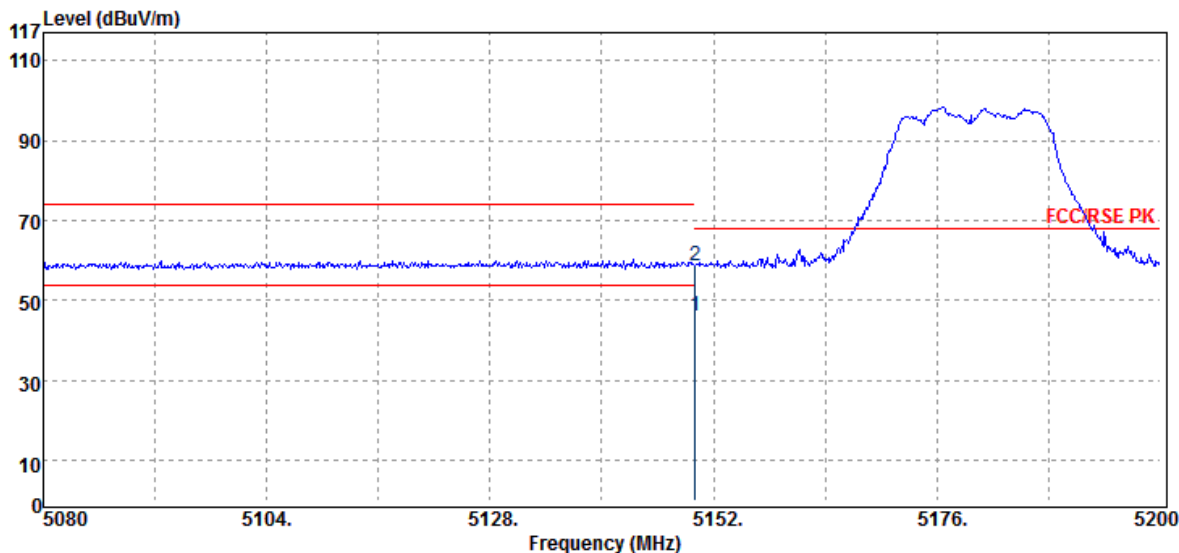
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Average	38.00	8.32	46.32	54.00	-7.68
5150.00	Peak	56.27	8.32	64.59	74.00	-9.41

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Operation Band	:802.11aB1	Test Date	:2018-09-19
Fundamental Frequency	:5180 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



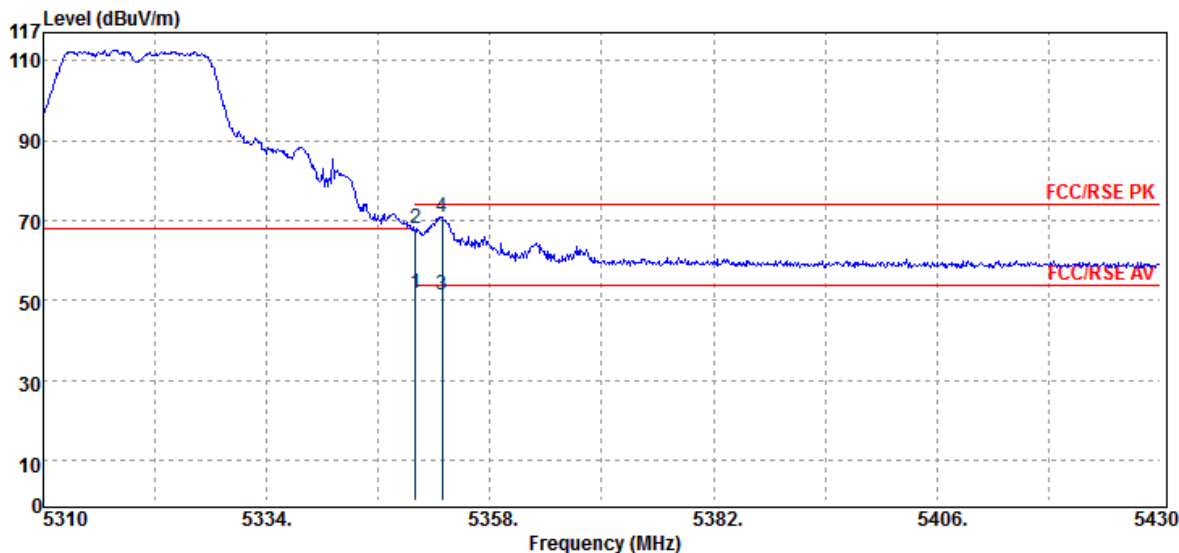
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5150.00	Average	37.67	8.32	45.99	54.00	-8.01
5150.00	Peak	50.52	8.32	58.84	74.00	-15.16

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Operation Band	:802.11aB2	Test Date	:2018-09-19
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



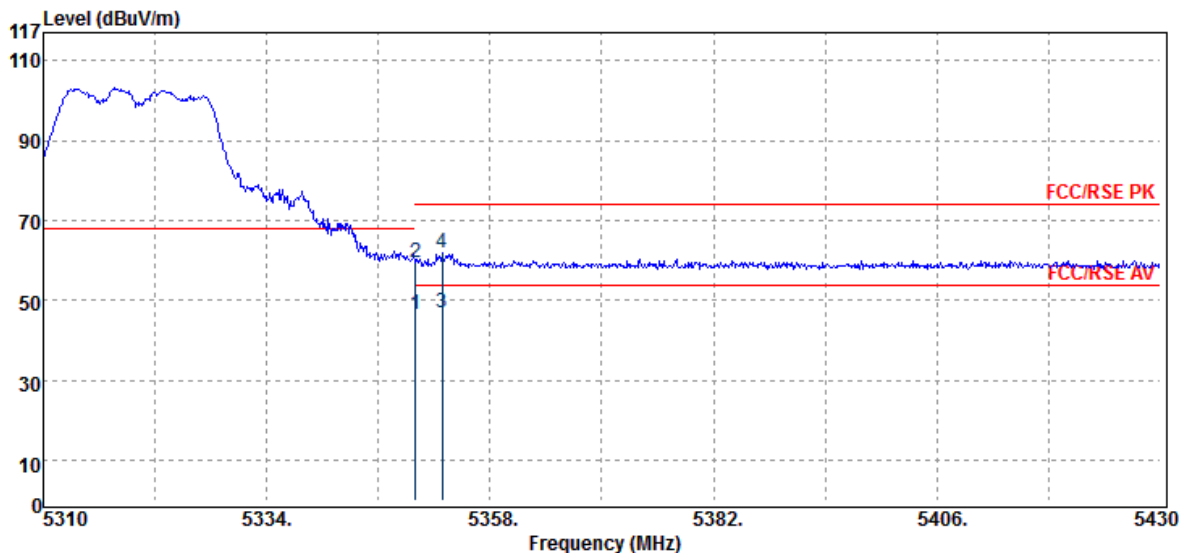
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5350.00	Average	43.05	8.63	51.68	54.00	-2.32
5350.00	Peak	59.18	8.63	67.81	74.00	-6.19
5352.84	Average	42.96	8.65	51.61	54.00	-2.39
5352.84	Peak	62.39	8.65	71.04	74.00	-2.96

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Operation Band	:802.11aB2	Test Date	:2018-09-19
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



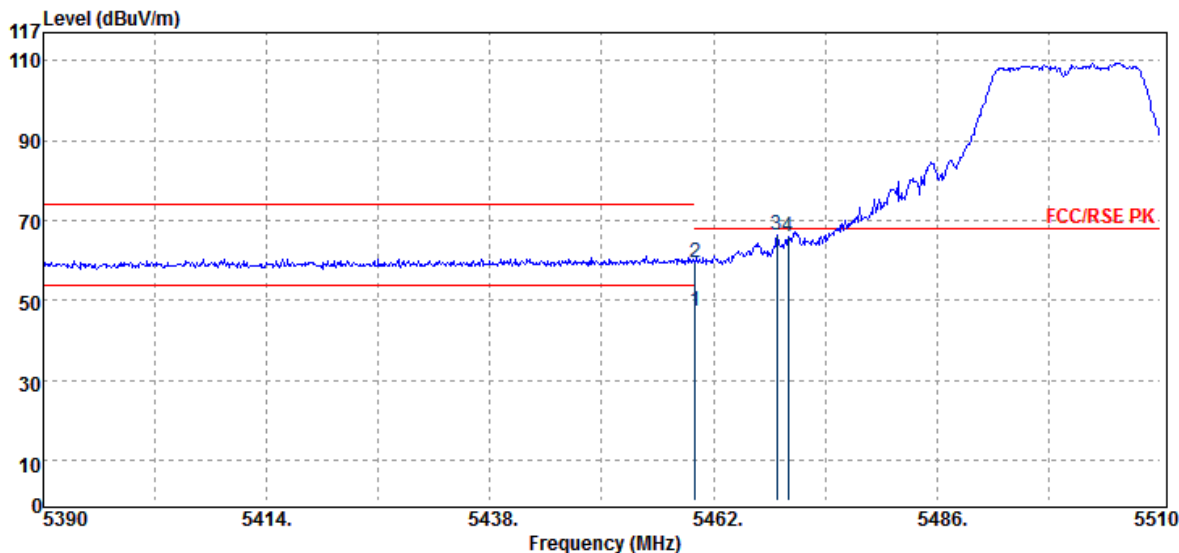
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5350.00	Average	38.07	8.63	46.70	54.00	-7.30
5350.00	Peak	51.02	8.63	59.65	74.00	-14.35
5352.84	Average	38.29	8.65	46.94	54.00	-7.06
5352.84	Peak	53.11	8.65	61.76	74.00	-12.24

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Operation Band	:802.11aB3	Test Date	:2018-09-19
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



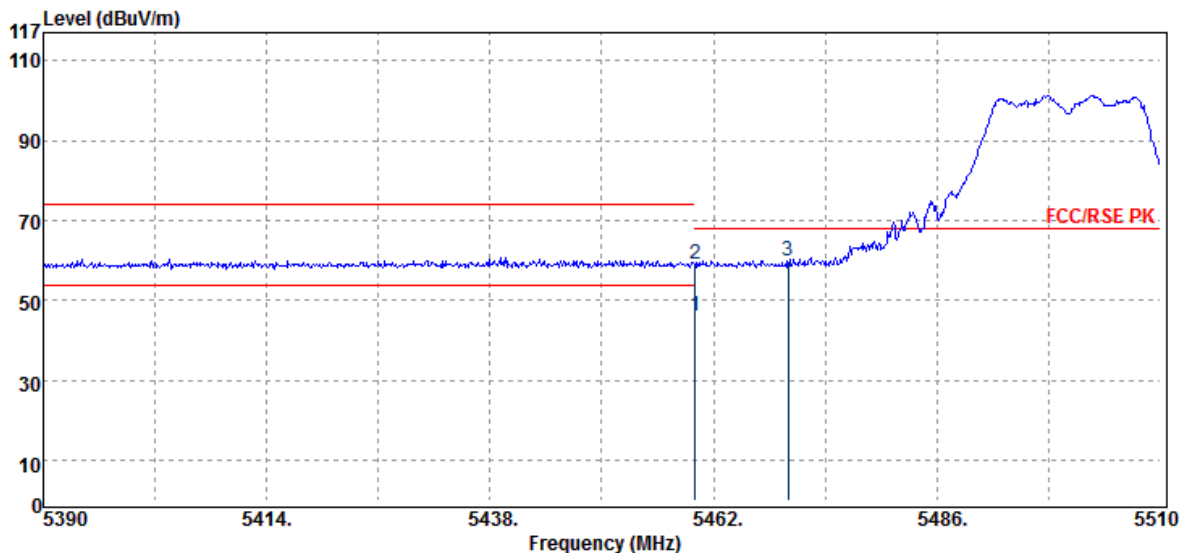
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	Average	38.42	8.75	47.17	54.00	-6.83
5460.00	Peak	50.90	8.75	59.65	74.00	-14.35
5468.84	Peak	57.61	8.74	66.35	68.20	-1.85
5470.00	Peak	57.14	8.74	65.88	68.20	-2.32

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Operation Band	:802.11aB3	Test Date	:2018-09-19
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



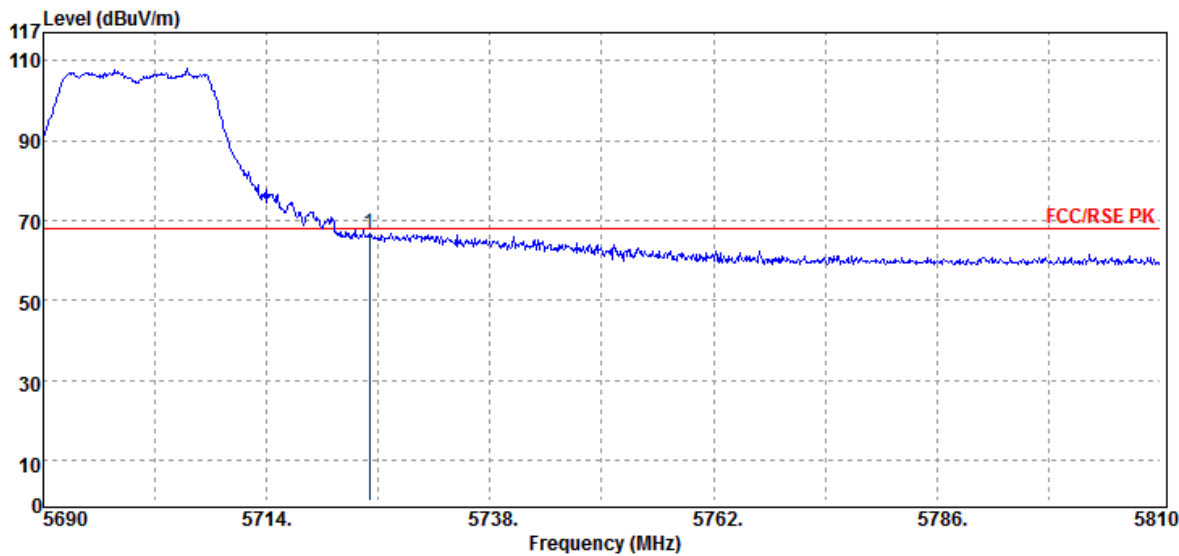
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	Average	37.40	8.75	46.15	54.00	-7.85
5460.00	Peak	50.26	8.75	59.01	74.00	-14.99
5470.00	Peak	51.30	8.74	60.04	68.20	-8.16

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Operation Band	:802.11aB3	Test Date	:2018-09-19
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



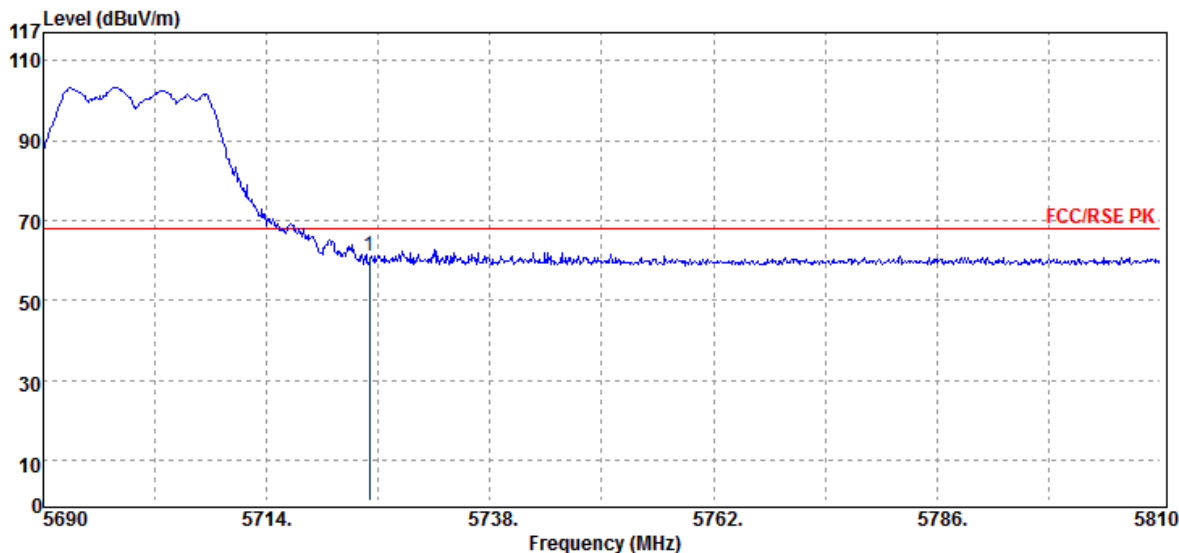
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.00	Peak	57.21	9.44	66.65	68.20	-1.55

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Operation Band	:802.11aB3	Test Date	:2018-09-19
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



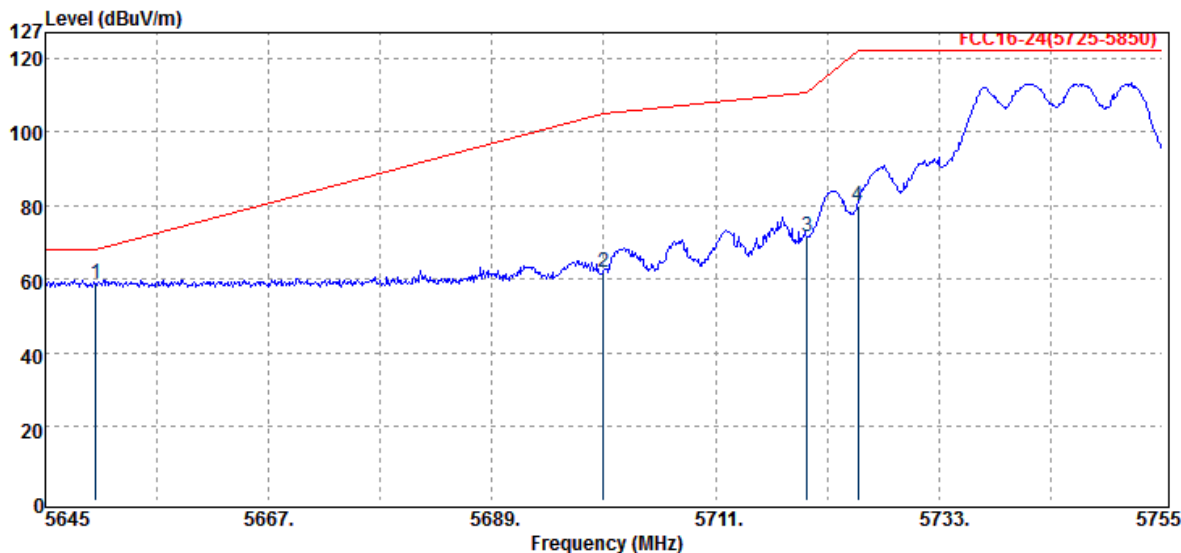
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.00	Peak	51.69	9.44	61.13	68.20	-7.07

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Operation Band	:802.11aB4	Test Date	:2018-09-19
Fundamental Frequency	:5745 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



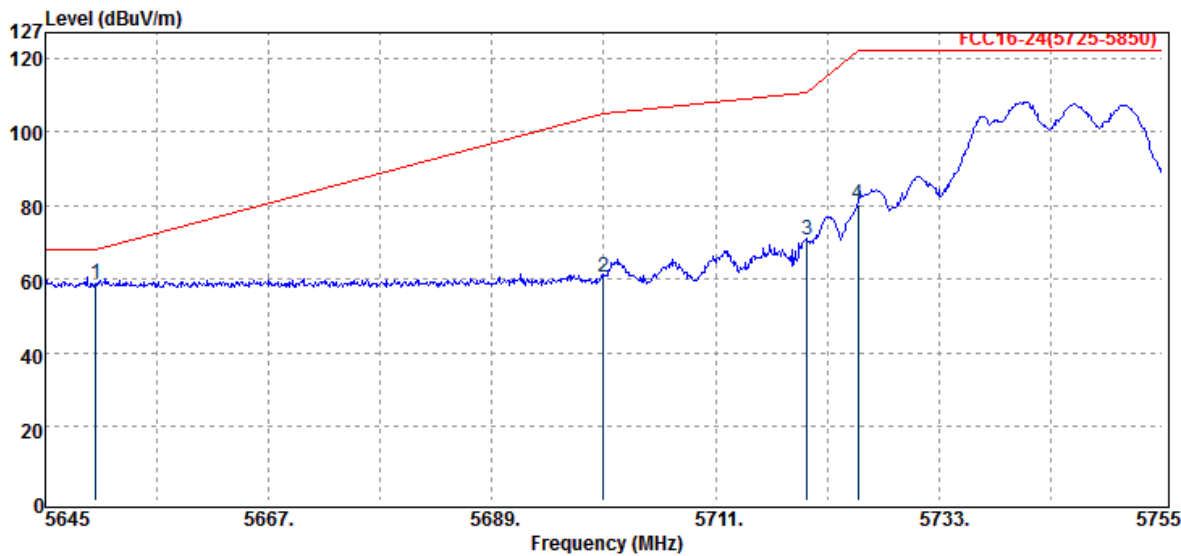
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	Peak	49.72	9.20	58.92	68.23	-9.31
5700.00	Peak	52.48	9.35	61.83	105.23	-43.40
5720.00	Peak	62.40	9.43	71.83	110.83	-39.00
5725.00	Peak	70.38	9.44	79.82	122.23	-42.41

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Operation Band	:802.11aB4	Test Date	:2018-09-19
Fundamental Frequency	:5745 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



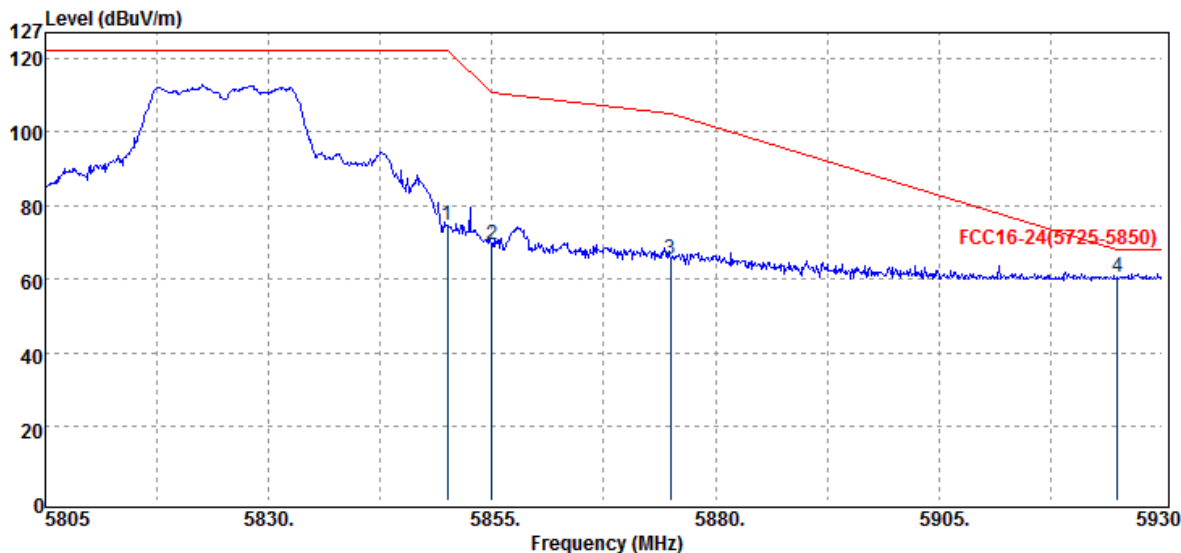
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	Peak	49.54	9.20	58.74	68.23	-9.49
5700.00	Peak	51.42	9.35	60.77	105.23	-44.46
5720.00	Peak	61.42	9.43	70.85	110.83	-39.98
5725.00	Peak	70.83	9.44	80.27	122.23	-41.96

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Operation Band	:802.11aB4	Test Date	:2018-09-19
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



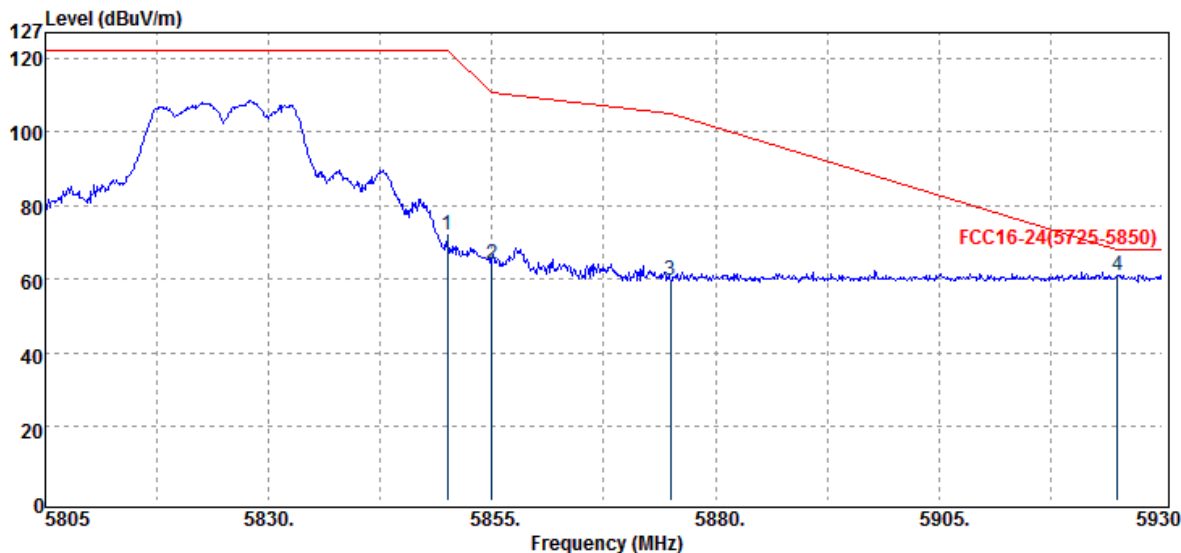
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	Peak	64.80	9.77	74.57	122.23	-47.66
5855.00	Peak	59.63	9.78	69.41	110.83	-41.42
5875.00	Peak	55.67	9.82	65.49	105.23	-39.74
5925.00	Peak	50.59	9.98	60.57	68.23	-7.66

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Operation Band	:802.11aB4	Test Date	:2018-09-19
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	62.32	9.77	72.09	122.23	-50.14
5855.00	Peak	54.39	9.78	64.17	110.83	-46.66
5875.00	Peak	50.16	9.82	59.98	105.23	-45.25
5925.00	Peak	50.99	9.98	60.97	68.23	-7.26

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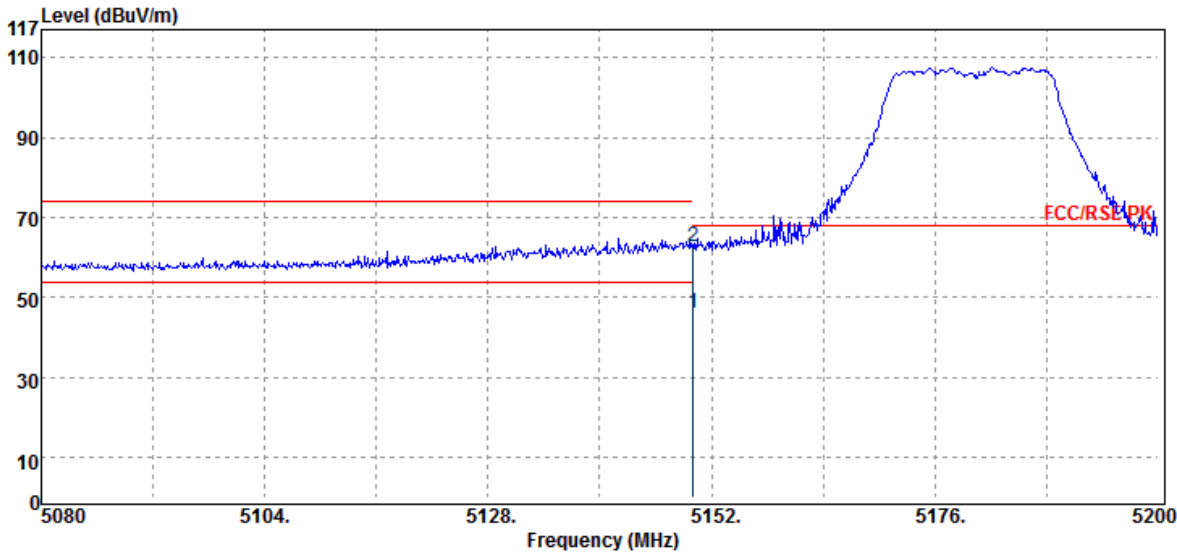
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802.11n20 HT mode

Operation Band :802.11n20B1
Fundamental Frequency :5180 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-18
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Average	38.03	8.32	46.35	54.00	-7.65
5150.00	Peak	54.36	8.32	62.68	74.00	-11.32

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台灣檢驗科技股份有限公司

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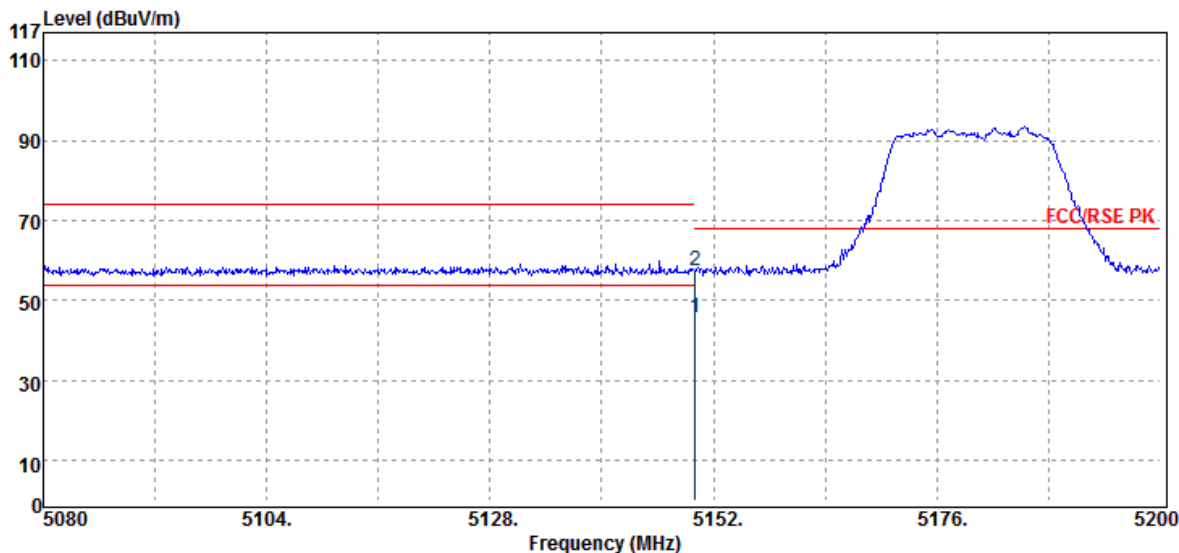
t (886-2) 2299-3279

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Operation Band	:802.11n20B1	Test Date	:2018-09-18
Fundamental Frequency	:5180 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



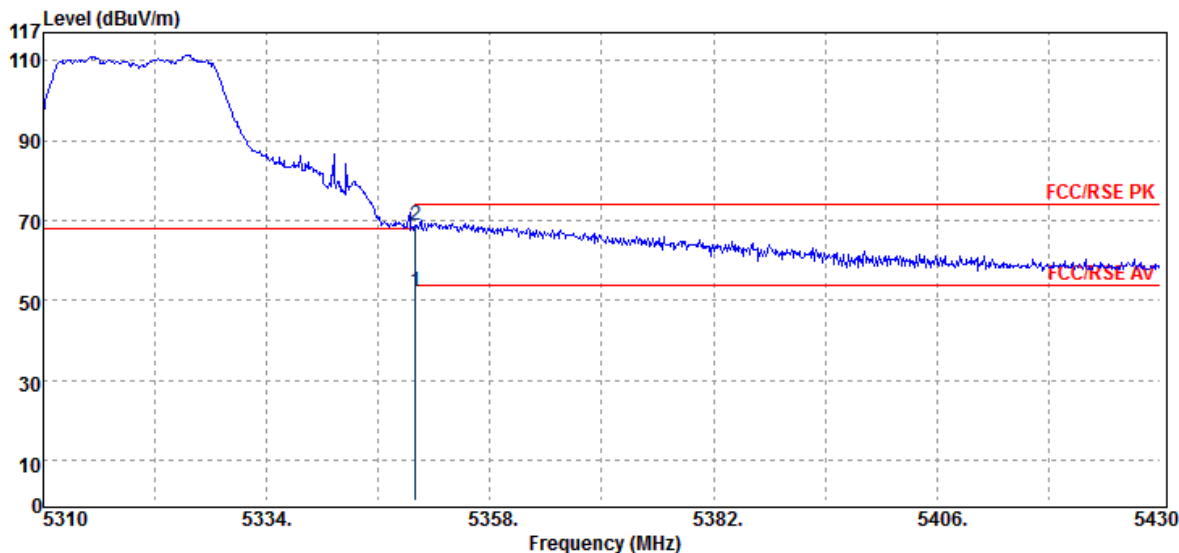
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Average	37.51	8.32	45.83	54.00	-8.17
5150.00	Peak	49.21	8.32	57.53	74.00	-16.47

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Operation Band	:802.11n20B2	Test Date	:2018-09-18
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



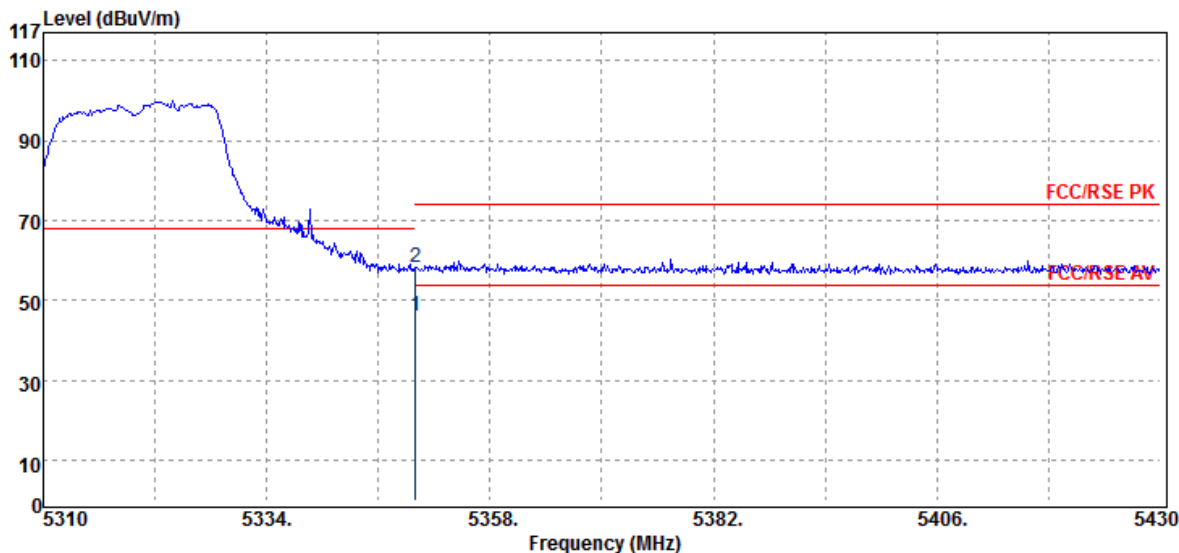
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5350.00	Average	43.45	8.63	52.08	54.00	-1.92
5350.00	Peak	60.36	8.63	68.99	74.00	-5.01

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Operation Band	:802.11n20B2	Test Date	:2018-09-18
Fundamental Frequency	:5320 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	37.37	8.63	46.00	54.00	-8.00
5350.00	Peak	49.78	8.63	58.41	74.00	-15.59

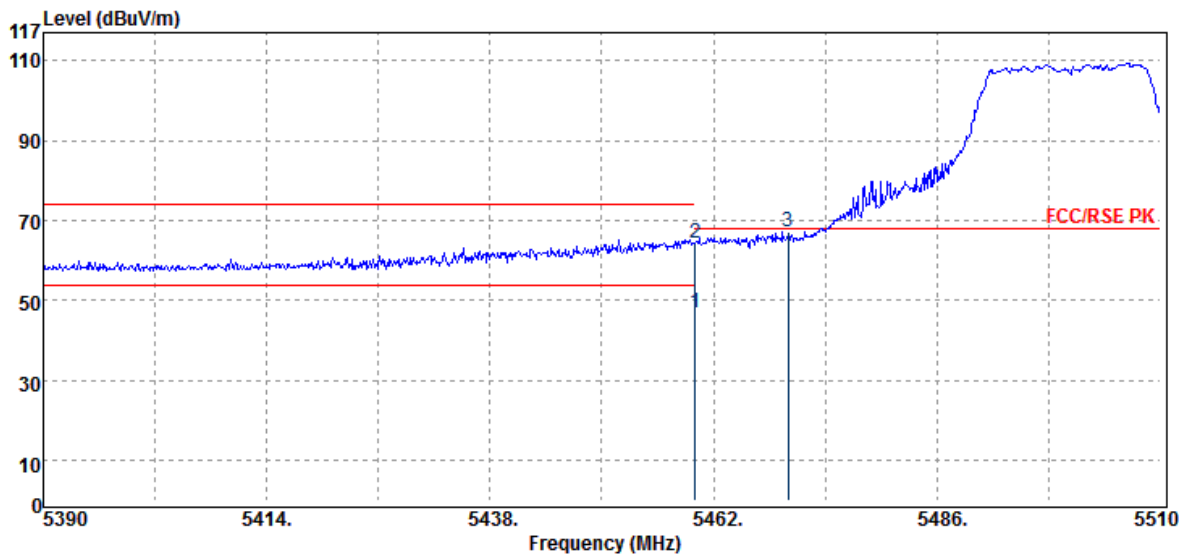
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Operation Band :802.11n20B3
 Fundamental Frequency :5500 MHz
 Operation Mode :Bandedge CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-18
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



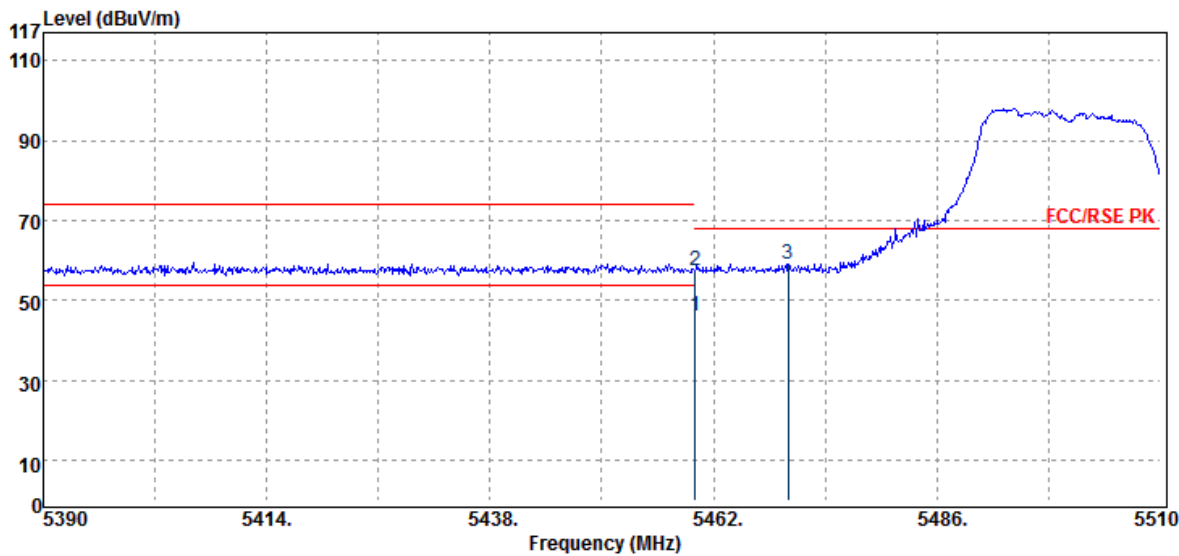
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	Average	38.41	8.75	47.16	54.00	-6.84
5460.00	Peak	55.62	8.75	64.37	74.00	-9.63
5470.00	Peak	58.37	8.74	67.11	68.20	-1.09

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Operation Band	:802.11n20B3	Test Date	:2018-09-18
Fundamental Frequency	:5500 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



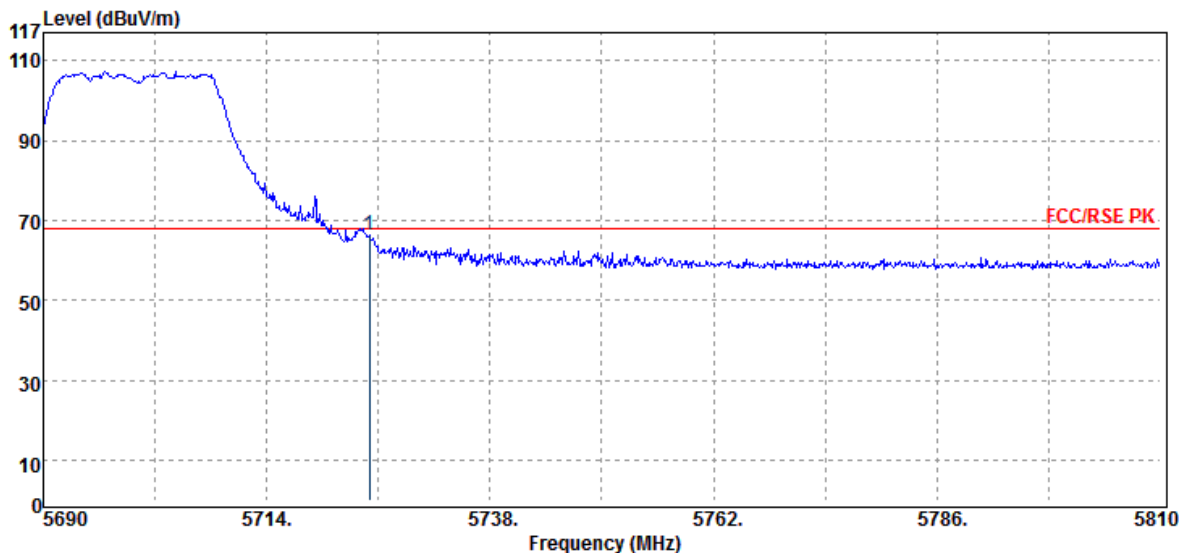
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.00	Average	37.33	8.75	46.08	54.00	-7.92
5460.00	Peak	48.77	8.75	57.52	74.00	-16.48
5470.00	Peak	50.26	8.74	59.00	68.20	-9.20

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Operation Band	:802.11n20B3	Test Date	:2018-09-19
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



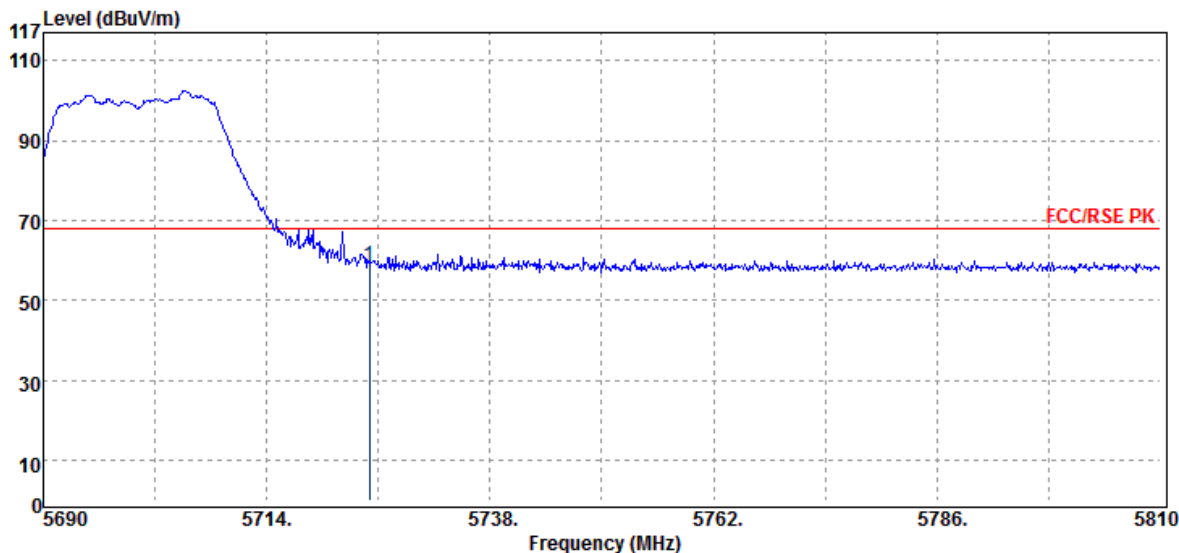
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.00	Peak	57.06	9.44	66.50	68.20	-1.70

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Operation Band	:802.11n20B3	Test Date	:2018-09-19
Fundamental Frequency	:5700 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



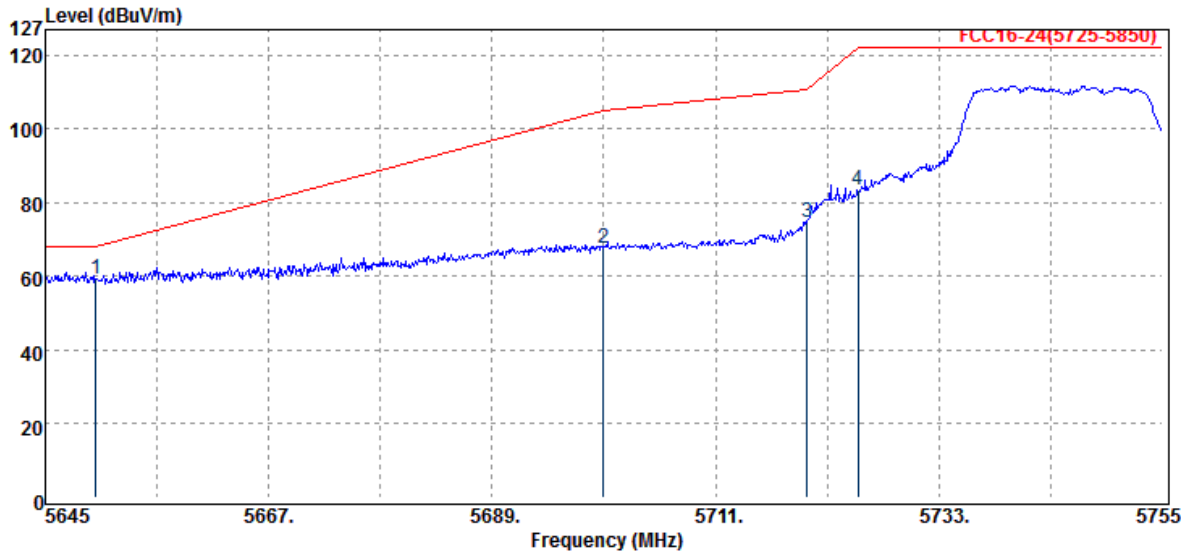
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.00	Peak	49.12	9.44	58.56	68.20	-9.64

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Operation Band	:802.11n20B4	Test Date	:2018-09-19
Fundamental Frequency	:5745 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	Peak	50.11	9.20	59.31	68.23	-8.92
5700.00	Peak	58.16	9.35	67.51	105.23	-37.72
5720.00	Peak	65.30	9.43	74.73	110.83	-36.10
5725.00	Peak	74.27	9.44	83.71	122.23	-38.52

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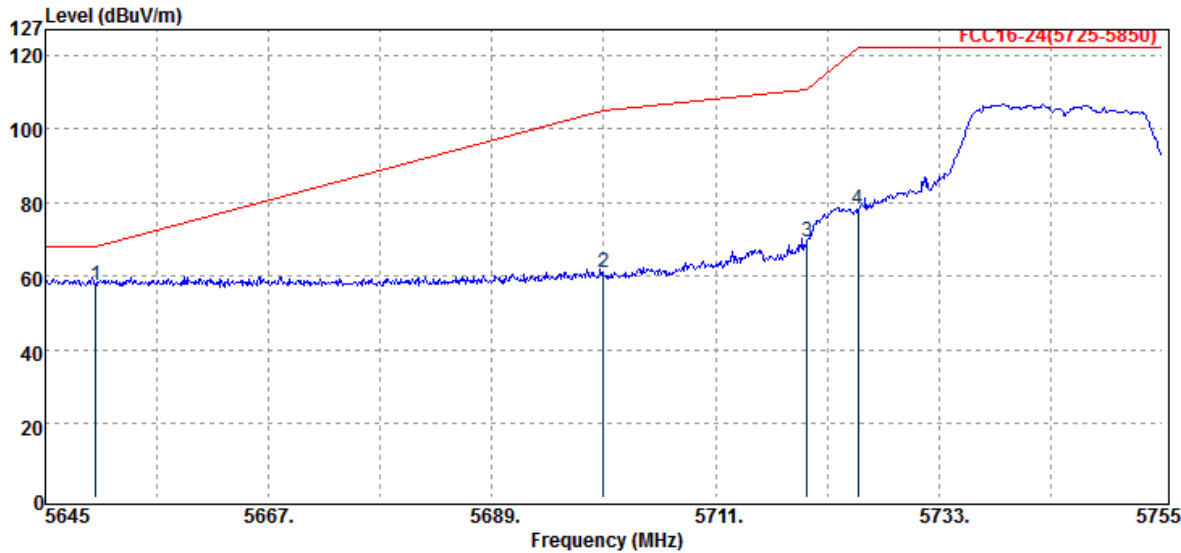
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Operation Band	:802.11n20B4	Test Date	:2018-09-19
Fundamental Frequency	:5745 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



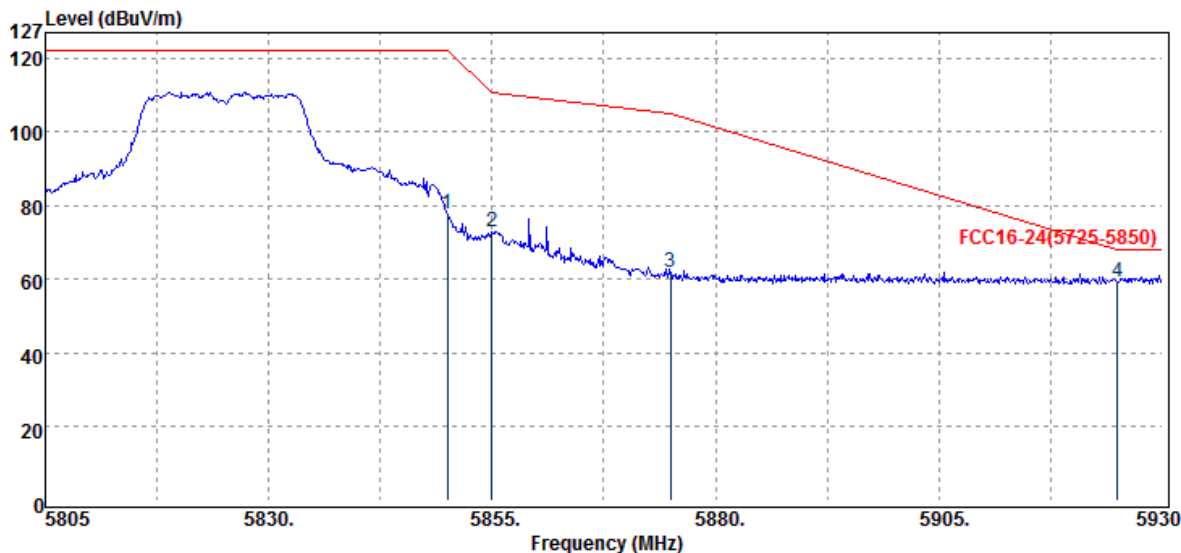
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	Peak	48.28	9.20	57.48	68.23	-10.75
5700.00	Peak	51.56	9.35	60.91	105.23	-44.32
5720.00	Peak	60.20	9.43	69.63	110.83	-41.20
5725.00	Peak	68.60	9.44	78.04	122.23	-44.19

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Operation Band	:802.11n20B4	Test Date	:2018-09-19
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



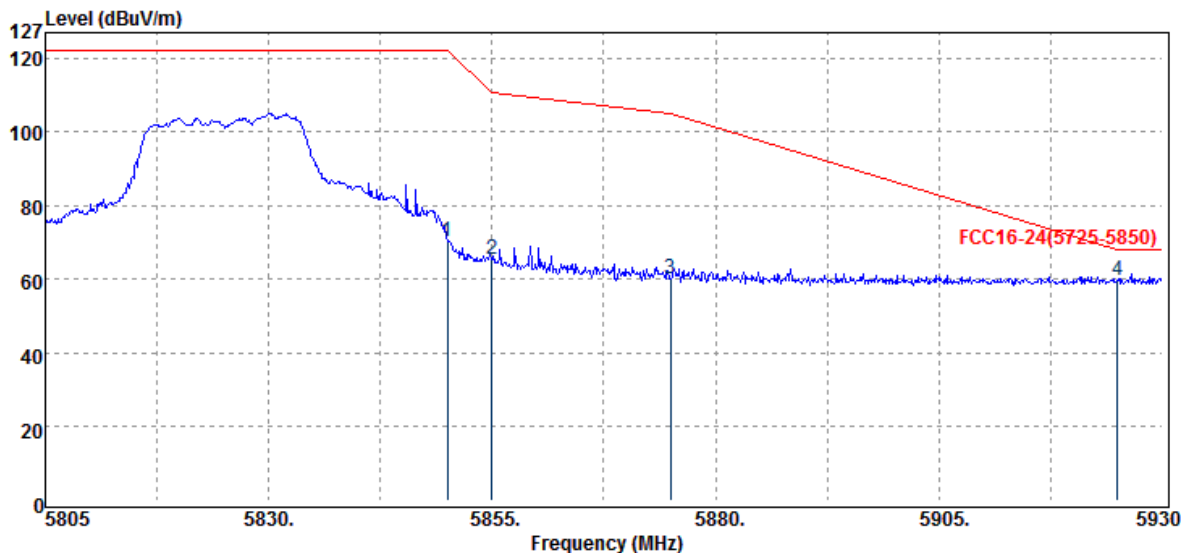
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	67.85	9.77	77.62	122.23	-44.61
5855.00	Peak	63.28	9.78	73.06	110.83	-37.77
5875.00	Peak	52.25	9.82	62.07	105.23	-43.16
5925.00	Peak	49.54	9.98	59.52	68.23	-8.71

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Operation Band	:802.11n20B4	Test Date	:2018-09-19
Fundamental Frequency	:5825 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	60.53	9.77	70.30	122.23	-51.93
5855.00	Peak	55.53	9.78	65.31	110.83	-45.52
5875.00	Peak	50.49	9.82	60.31	105.23	-44.92
5925.00	Peak	49.69	9.98	59.67	68.23	-8.56

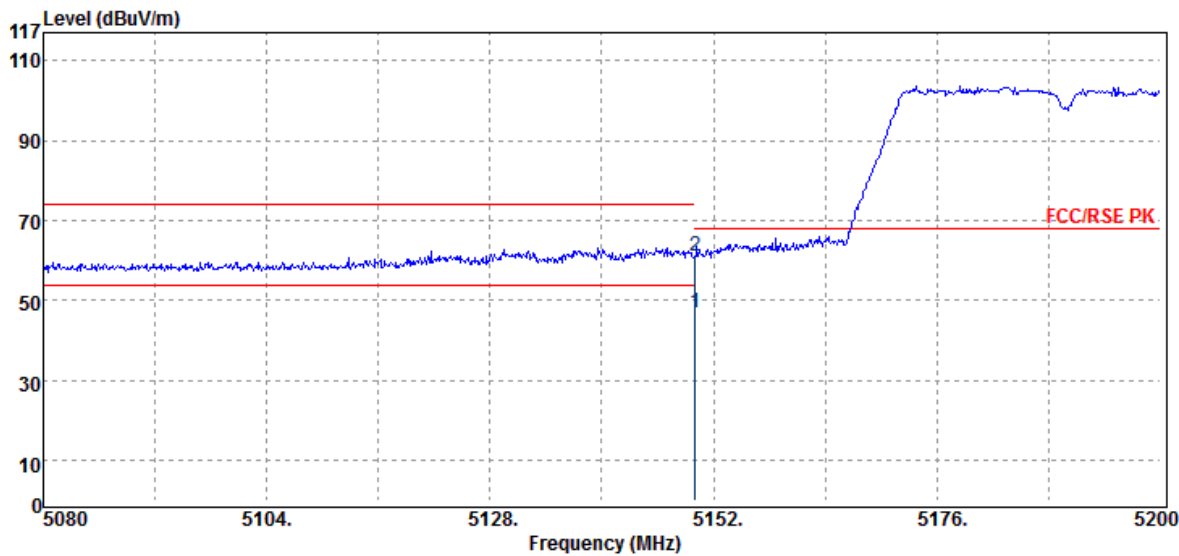
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802.11n40 HT mode

Operation Band	:802.11n40B1	Test Date	:2018-09-19
Fundamental Frequency	:5190 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



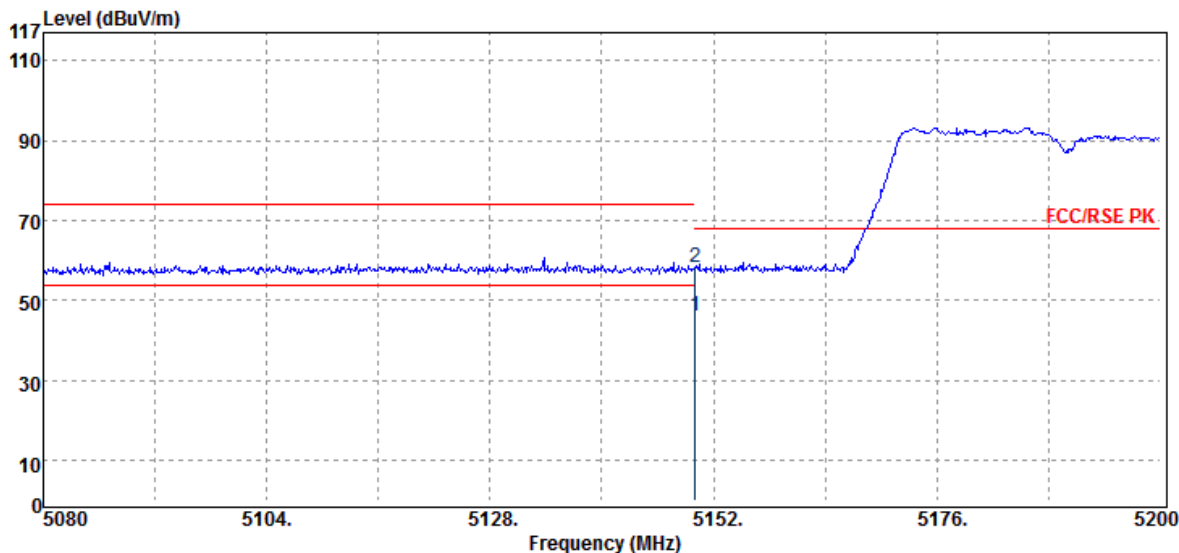
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Average	38.72	8.32	47.04	54.00	-6.96
5150.00	Peak	52.79	8.32	61.11	74.00	-12.89

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Operation Band	:802.11n40B1	Test Date	:2018-09-19
Fundamental Frequency	:5190 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



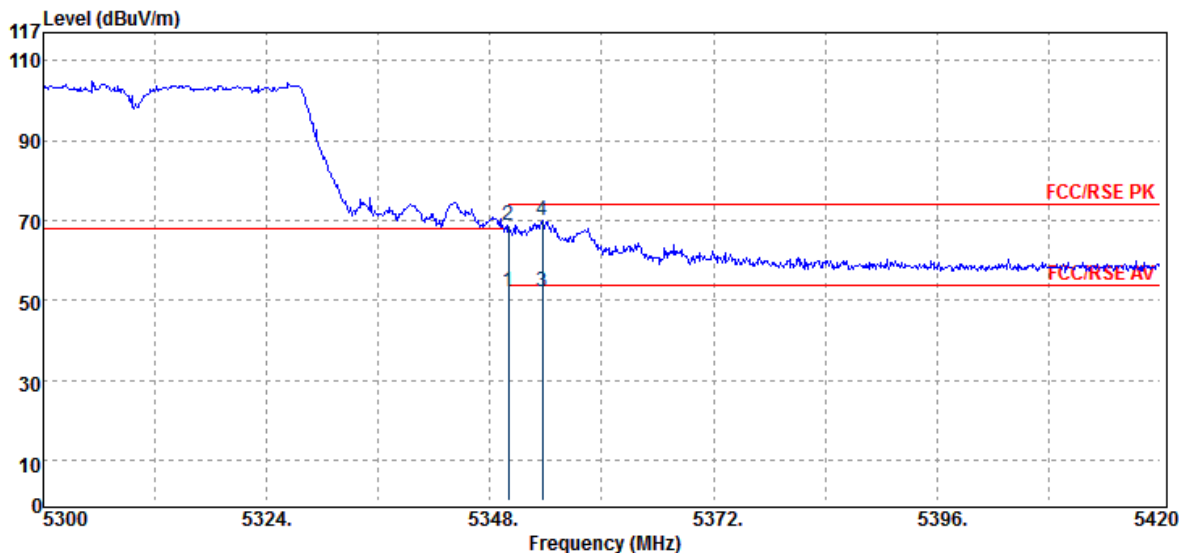
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Average	37.80	8.32	46.12	54.00	-7.88
5150.00	Peak	50.18	8.32	58.50	74.00	-15.50

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Operation Band	:802.11n40B2	Test Date	:2018-09-19
Fundamental Frequency	:5310 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



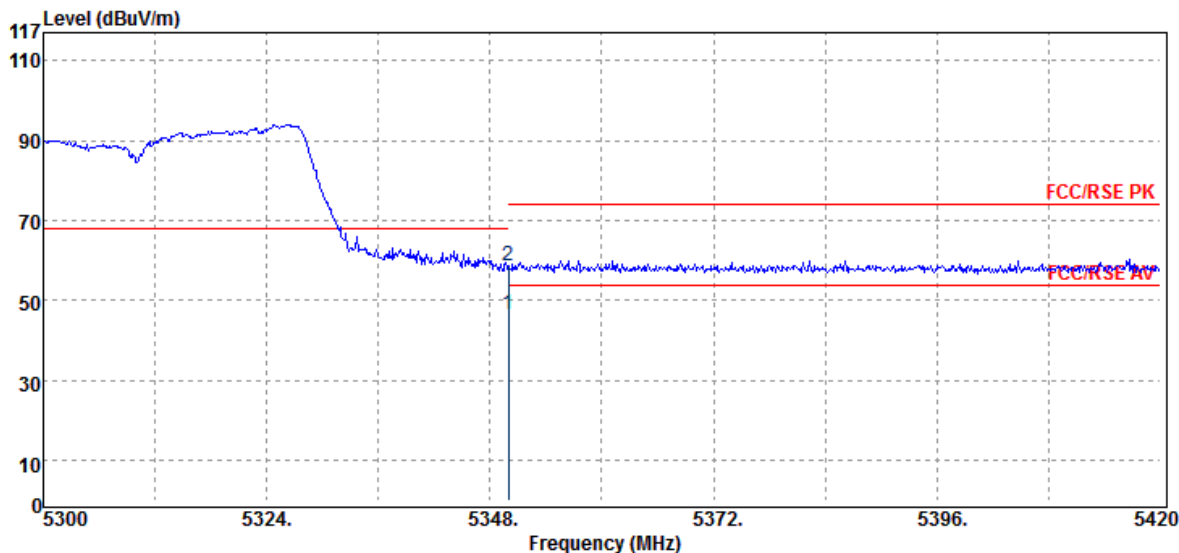
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5350.00	Average	43.51	8.63	52.14	54.00	-1.86
5350.00	Peak	60.09	8.63	68.72	74.00	-5.28
5353.64	Average	43.42	8.65	52.07	54.00	-1.93
5353.64	Peak	61.41	8.65	70.06	74.00	-3.94

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Operation Band	:802.11n40B2	Test Date	:2018-09-19
Fundamental Frequency	:5310 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	37.99	8.63	46.62	54.00	-7.38
5350.00	Peak	49.98	8.63	58.61	74.00	-15.39

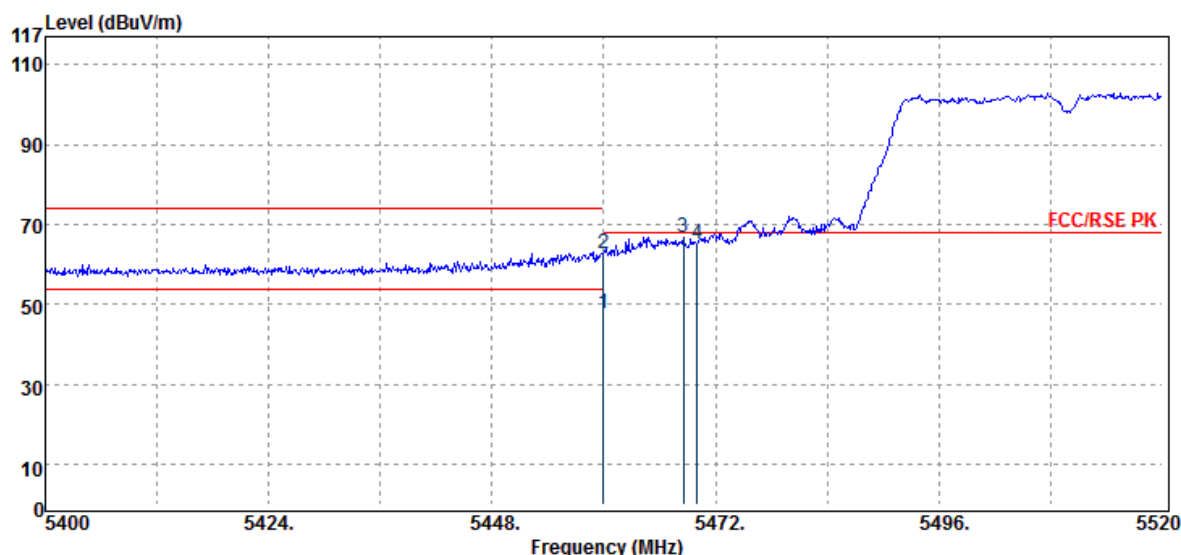
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Operation Band :802.11n40B3
 Fundamental Frequency :5510 MHz
 Operation Mode :Bandedge CH LOW
 EUT Pol. :E2 Plane

Test Date :2018-09-19
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	Average	38.94	8.75	47.69	54.00	-6.31
5460.00	Peak	53.97	8.75	62.72	74.00	-11.28
5468.52	Peak	58.14	8.74	66.88	68.20	-1.32
5470.00	Peak	56.55	8.74	65.29	68.20	-2.91

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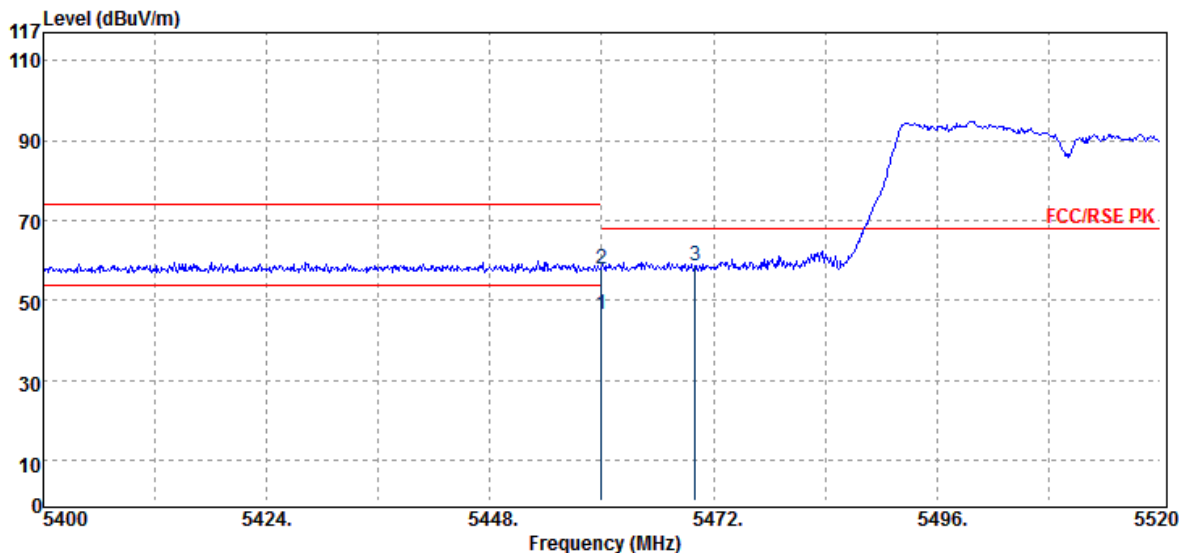
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Operation Band	:802.11n40B3	Test Date	:2018-09-19
Fundamental Frequency	:5510 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



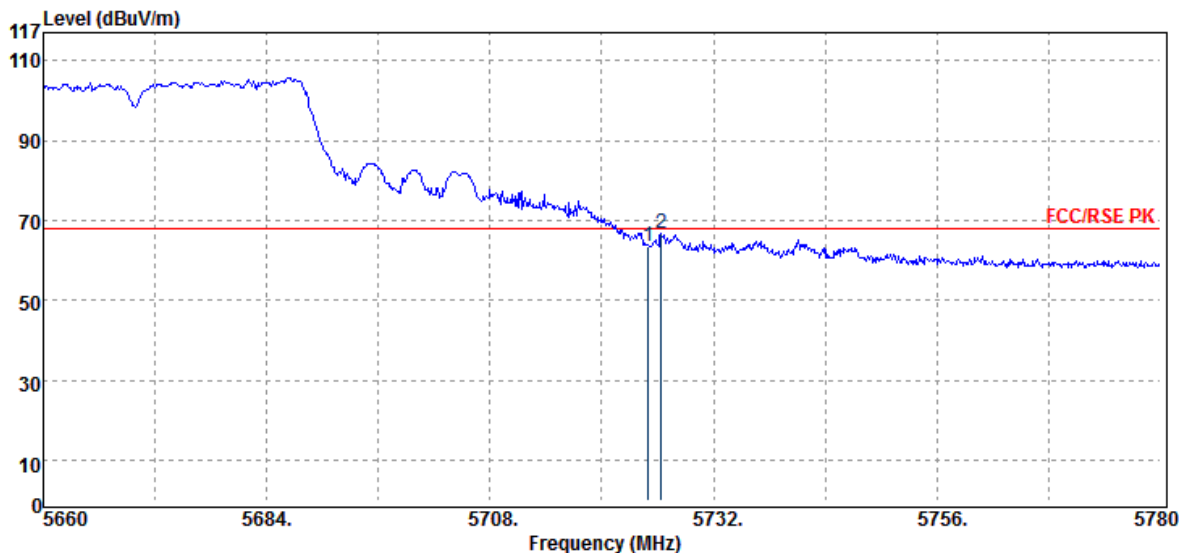
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	Average	37.78	8.75	46.53	54.00	-7.47
5460.00	Peak	49.06	8.75	57.81	74.00	-16.19
5470.00	Peak	49.94	8.74	58.68	68.20	-9.52

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Operation Band	:802.11n40B3	Test Date	:2018-09-19
Fundamental Frequency	:5670 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



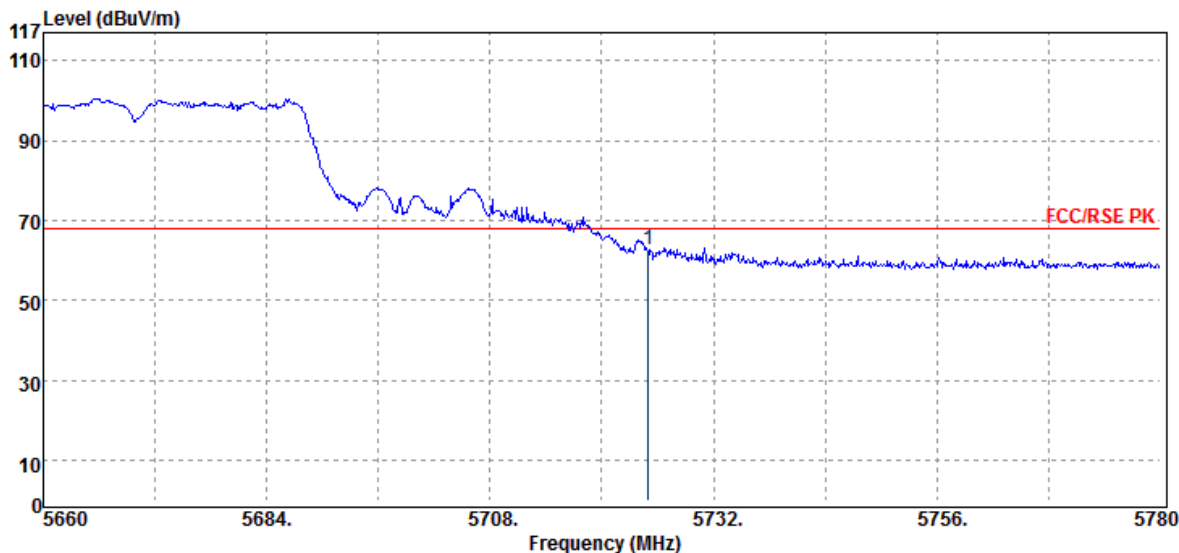
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	54.18	9.44	63.62	68.20	-4.58
5726.36	Peak	57.26	9.44	66.70	68.20	-1.50

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Operation Band	:802.11n40B3	Test Date	:2018-09-19
Fundamental Frequency	:5670 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



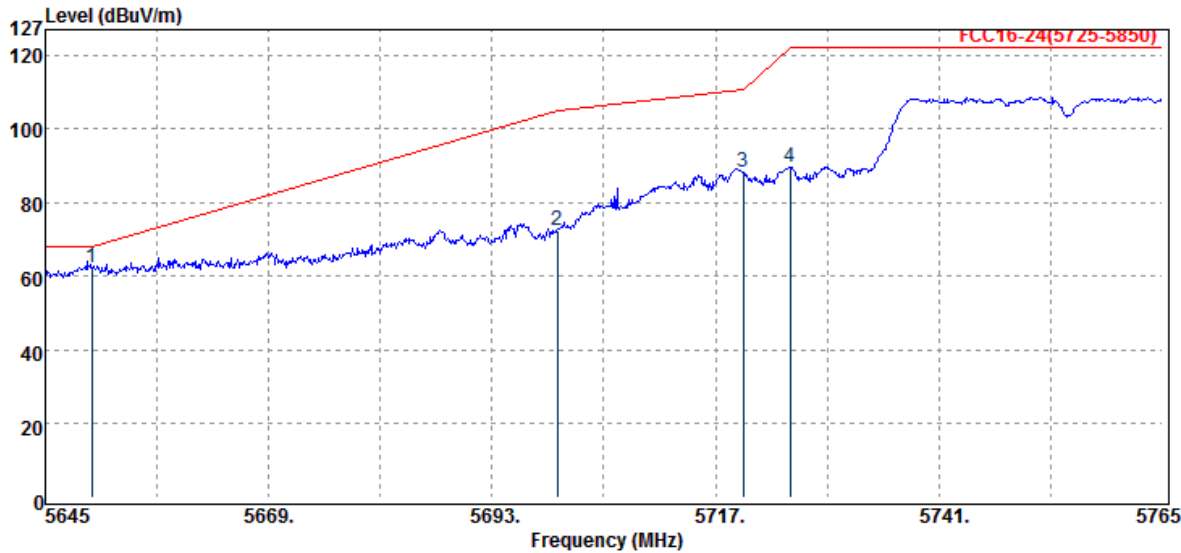
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.00	Peak	53.14	9.44	62.58	68.20	-5.62

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Operation Band	:802.11n40B4	Test Date	:2018-09-19
Fundamental Frequency	:5755 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



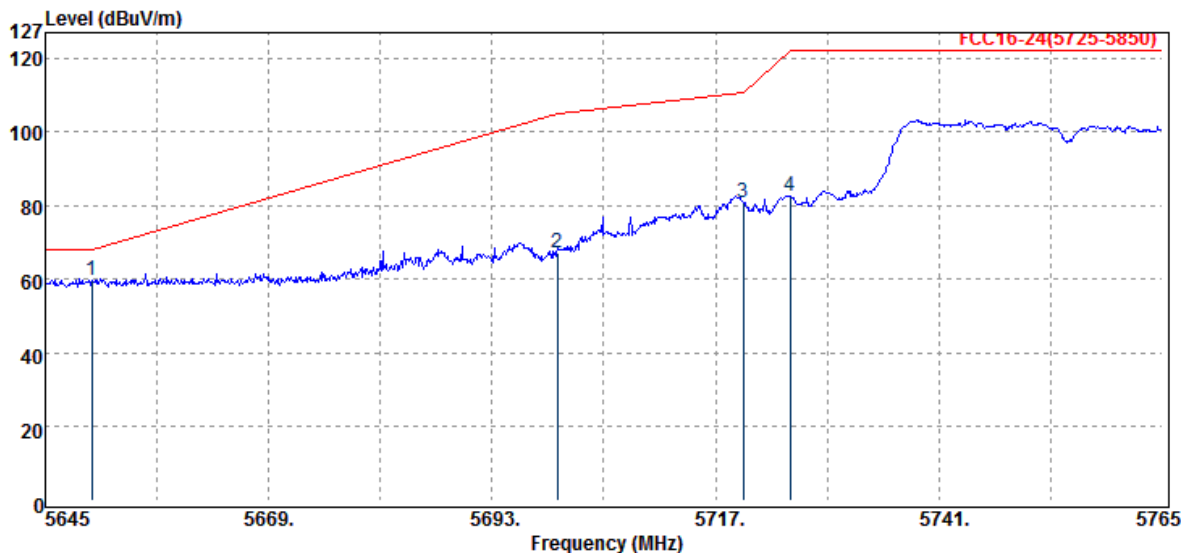
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	53.41	9.20	62.61	68.23	-5.62
5700.00	Peak	62.95	9.35	72.30	105.23	-32.93
5720.00	Peak	78.74	9.43	88.17	110.83	-22.66
5725.00	Peak	80.20	9.44	89.64	122.23	-32.59

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Operation Band	:802.11n40B4	Test Date	:2018-09-19
Fundamental Frequency	:5755 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	Peak	50.53	9.20	59.73	68.23	-8.50
5700.00	Peak	57.79	9.35	67.14	105.23	-38.09
5720.00	Peak	71.48	9.43	80.91	110.83	-29.92
5725.00	Peak	73.12	9.44	82.56	122.23	-39.67

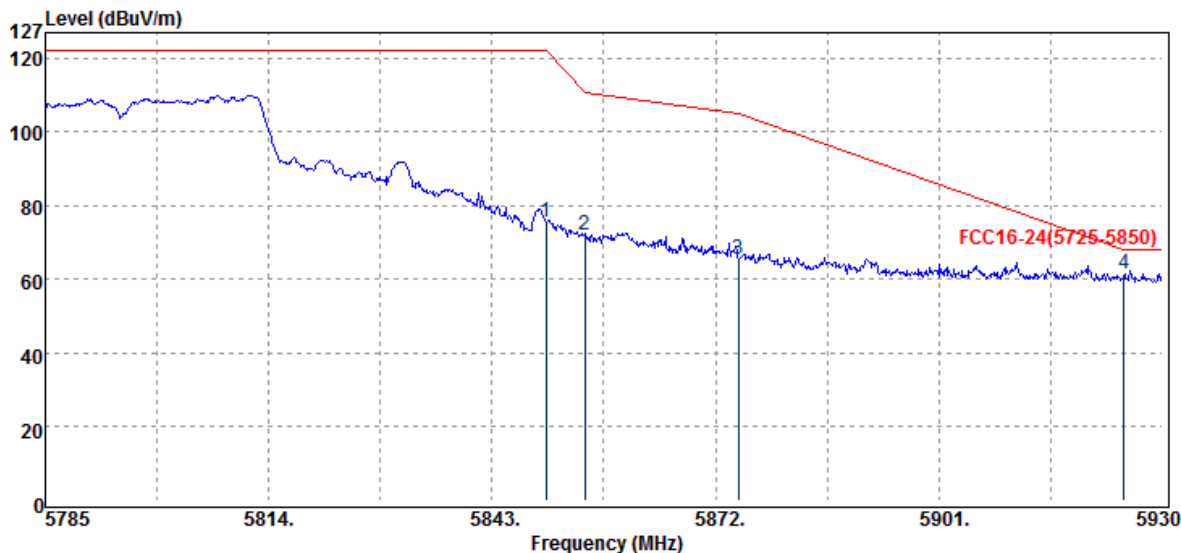
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Operation Band :802.11n40B4
 Fundamental Frequency :5795 MHz
 Operation Mode :Bandedge CH HIGH
 EUT Pol. :E2 Plane

Test Date :2018-09-19
 Temp./Humi. :23 deg_C / 62 RH
 Engineer :Wei
 Measurement Antenna Pol. :VERTICAL



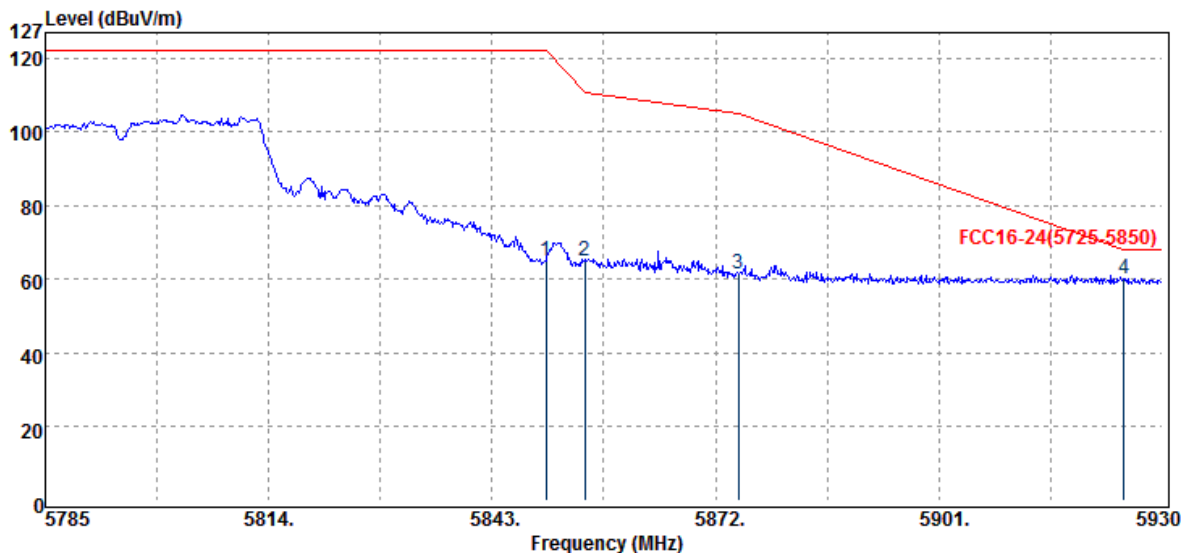
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	Peak	65.64	9.77	75.41	122.23	-46.82
5855.00	Peak	62.30	9.78	72.08	110.83	-38.75
5875.00	Peak	55.82	9.82	65.64	105.23	-39.59
5925.00	Peak	51.70	9.98	61.68	68.23	-6.55

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Operation Band	:802.11n40B4	Test Date	:2018-09-19
Fundamental Frequency	:5795 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	Peak	55.08	9.77	64.85	122.23	-57.38
5855.00	Peak	55.25	9.78	65.03	110.83	-45.80
5875.00	Peak	51.58	9.82	61.40	105.23	-43.83
5925.00	Peak	50.11	9.98	60.09	68.23	-8.14

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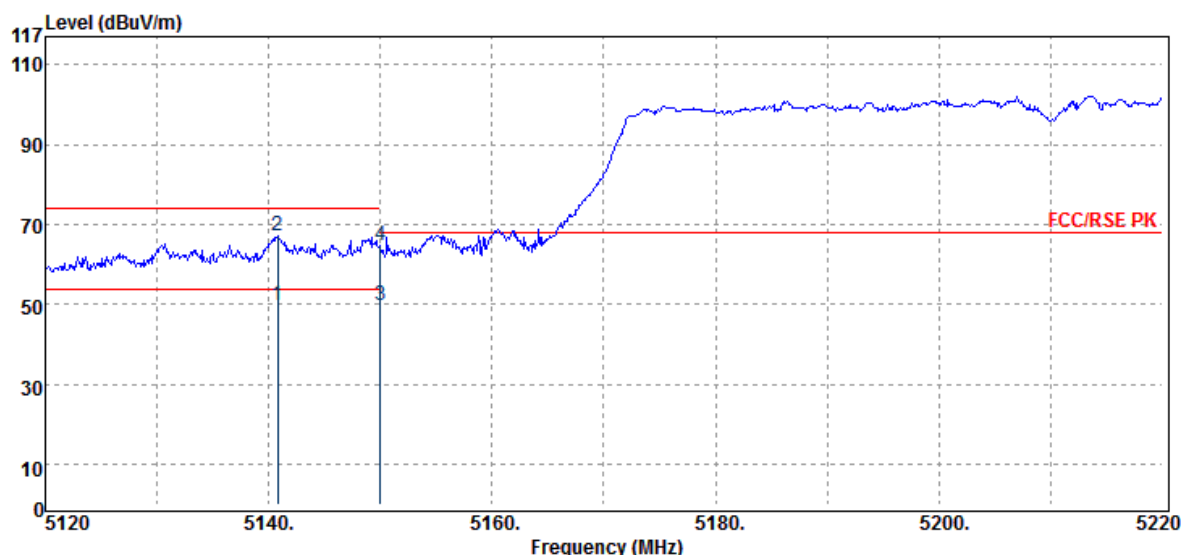
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802.11ac80 VHT mode

Operation Band :802.11ac80B1
Fundamental Frequency :5210 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :E2 Plane

Test Date :2018-09-19
Temp./Humi. :23 deg_C / 62 RH
Engineer :Wei
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5140.80	Average	41.61	8.30	49.91	54.00	-4.09
5140.80	Peak	58.79	8.30	67.09	74.00	-6.91
5150.00	Average	41.58	8.32	49.90	54.00	-4.10
5150.00	Peak	56.61	8.32	64.93	74.00	-9.07

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台灣檢驗科技股份有限公司

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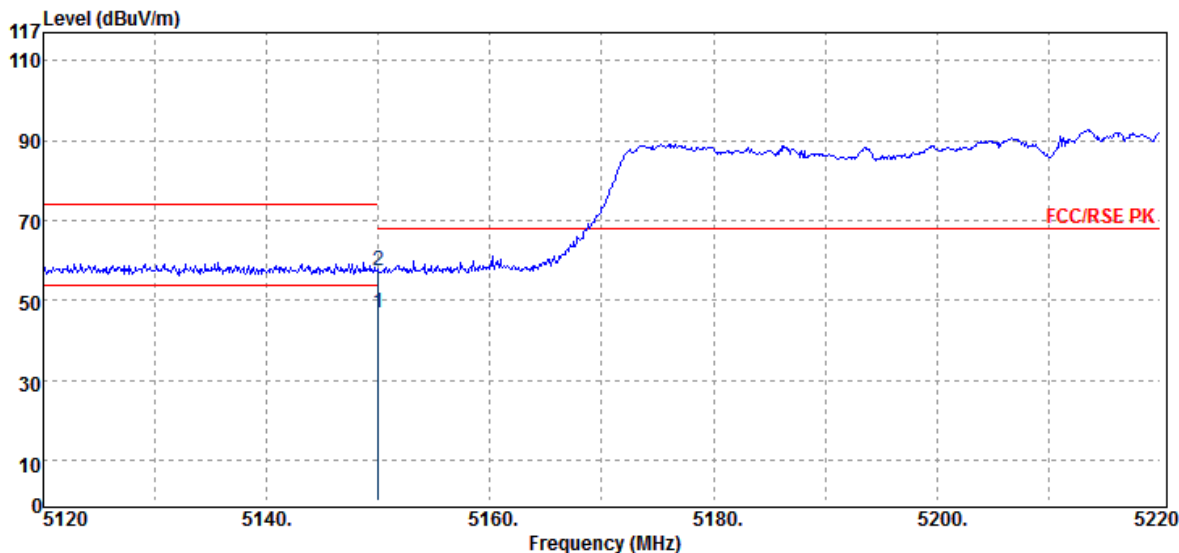
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Operation Band	:802.11ac80B1	Test Date	:2018-09-19
Fundamental Frequency	:5210 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH LOW	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



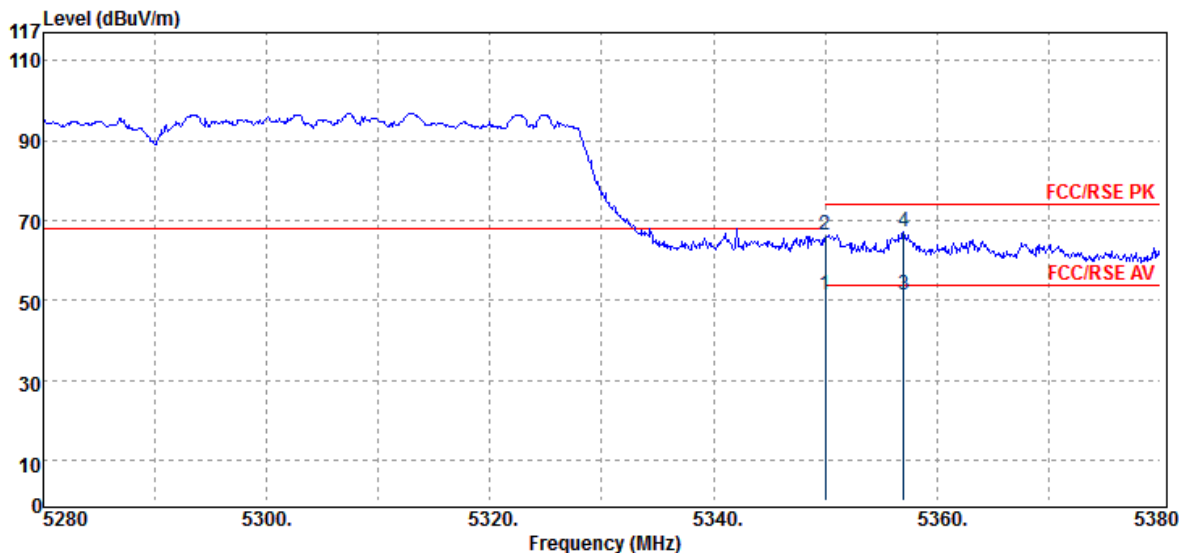
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Average	38.59	8.32	46.91	54.00	-7.09
5150.00	Peak	49.12	8.32	57.44	74.00	-16.56

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Operation Band	:802.11ac80B2	Test Date	:2018-09-19
Fundamental Frequency	:5290 MHz	Temp./Humi.	:23 deg_C / 62 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Wei
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.00	Average	42.63	8.63	51.26	54.00	-2.74
5350.00	Peak	57.66	8.63	66.29	74.00	-7.71
5357.00	Average	42.69	8.65	51.34	54.00	-2.66
5357.00	Peak	58.37	8.65	67.02	74.00	-6.98

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