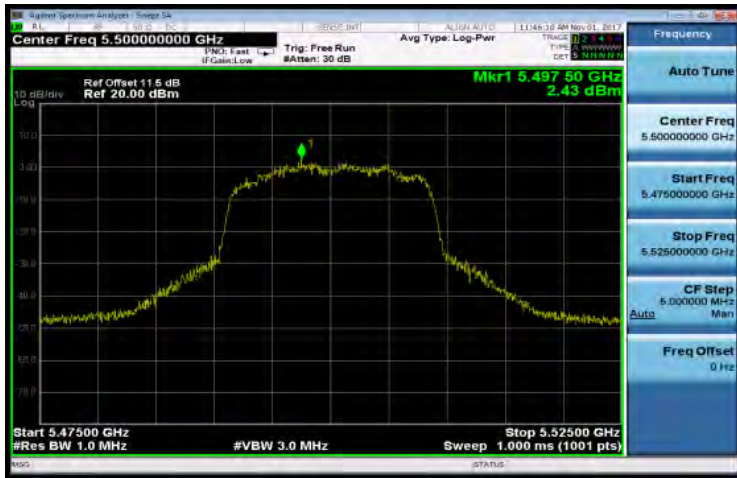


802.11a\_20MHz\_5500MHz



802.11a\_20MHz\_5745MHz



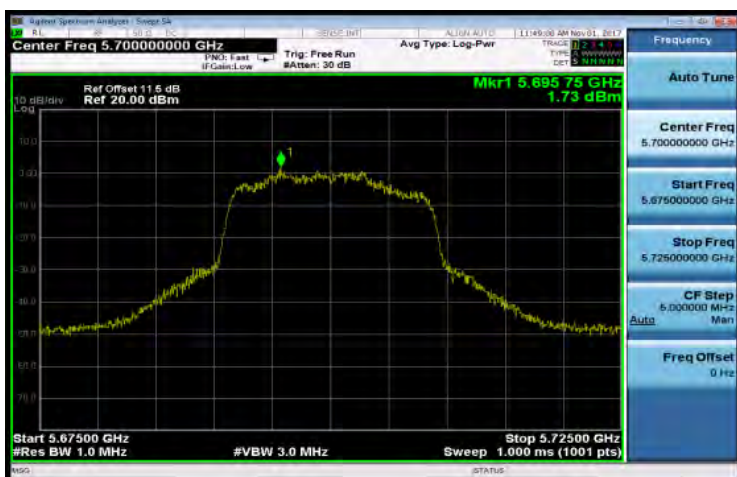
802.11a\_20MHz\_5580MHz



802.11a\_20MHz\_5785MHz



802.11a\_20MHz\_5700MHz



802.11a\_20MHz\_5825MHz



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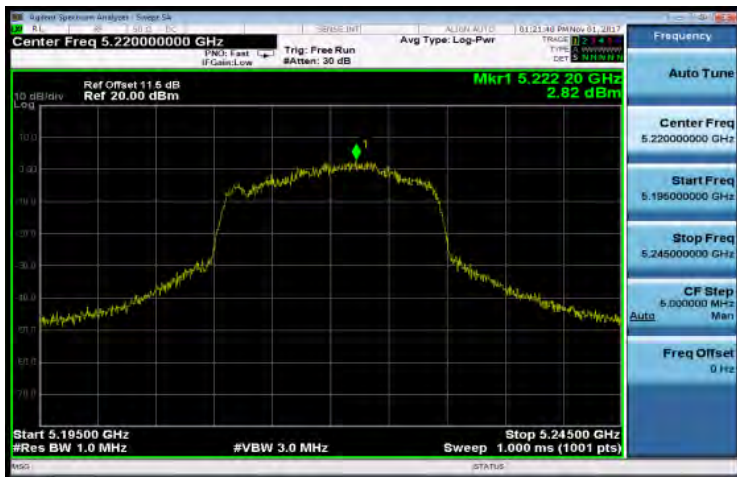
802.11n\_20MHz\_5180MHz



802.11n\_20MHz\_5260MHz



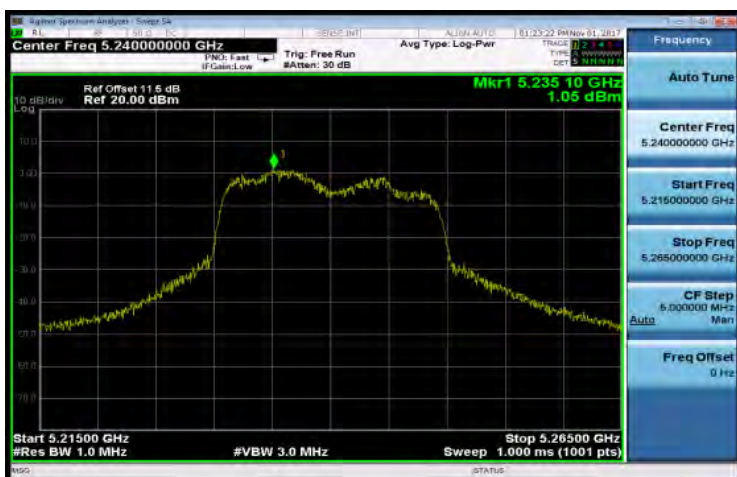
802.11n\_20MHz\_5220MHz



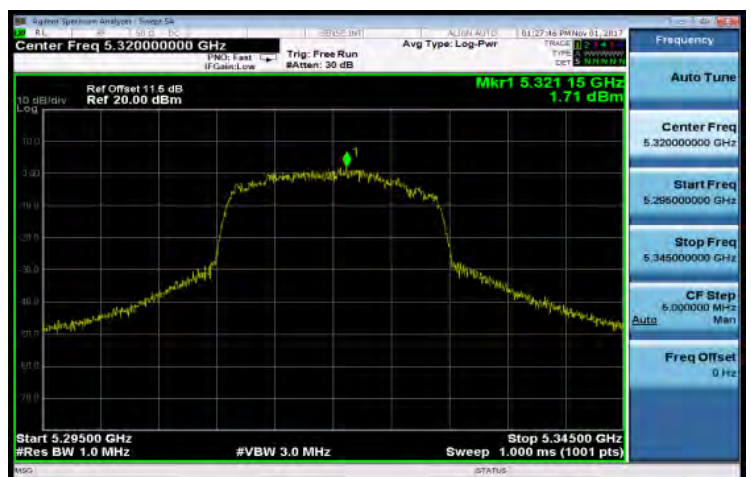
802.11n\_20MHz\_5300MHz



802.11n\_20MHz\_5240MHz



802.11n\_20MHz\_5320MHz

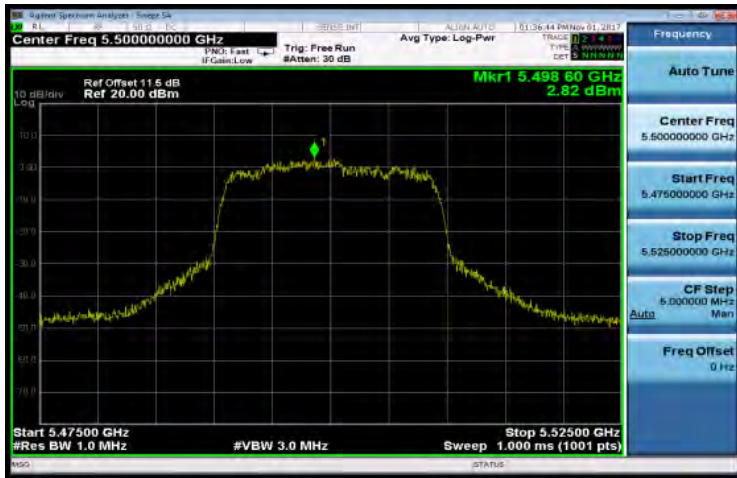


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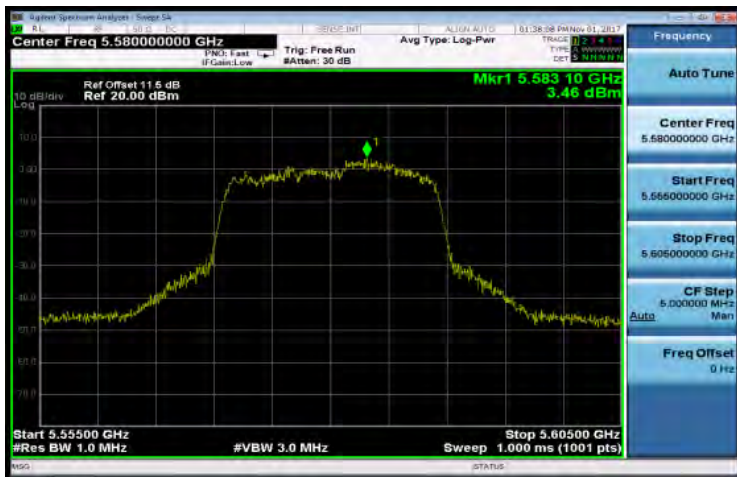
802.11n\_20MHz\_5500MHz



802.11n\_20MHz\_5745MHz



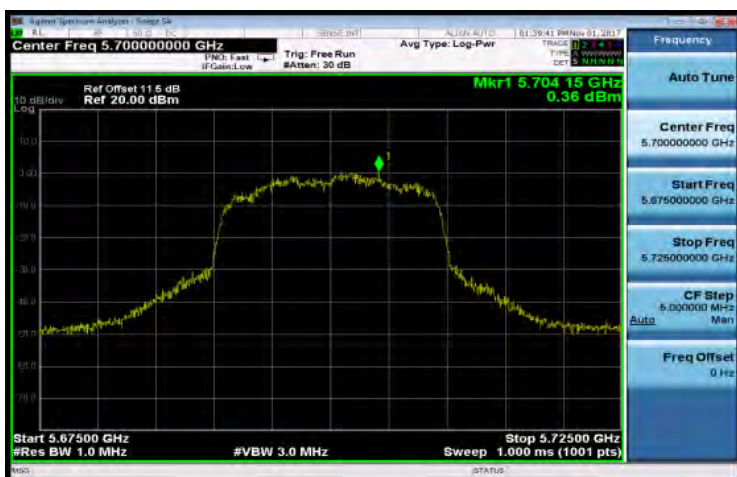
802.11n\_20MHz\_5580MHz



802.11n\_20MHz\_5785MHz



802.11n\_20MHz\_5700MHz



802.11n\_20MHz\_5825MHz



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802.11n\_40MHz\_5190MHz



802.11n\_40MHz\_5310MHz



802.11n\_40MHz\_5230MHz



802.11n\_40MHz\_5510MHz



802.11n\_40MHz\_5270MHz



802.11n\_40MHz\_5550MHz



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802.11n\_40MHz\_5670MHz



802.11ac\_80MHz\_5210MHz



802.11n\_40MHz\_5755MHz



802.11ac\_80MHz\_5290MHz



802.11n\_40MHz\_5795MHz



802.11ac\_80MHz\_5530MHz



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802.11ac\_80MHz\_5610MHz



802.11ac\_80MHz\_5690MHz



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 (dB $\mu$ V/m) = 20 log Emission level (dB $\mu$ V/m)

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## 11.2 Measurement Equipment Used

SGS SAC-III					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Loop Antenna	ETS-Lindgren	6502	00143303	12/23/2016	12/22/2017
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2016	11/02/2017
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2016	12/16/2017
Horn Antenna	Schwarzbeck	BBHA9170	185	07/24/2016	07/23/2017
Pre Amplifier	EMC Instruments	EMC330	980096	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-18	10204	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-26	100780	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF27	12/12/2016	12/11/2017
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Mast	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

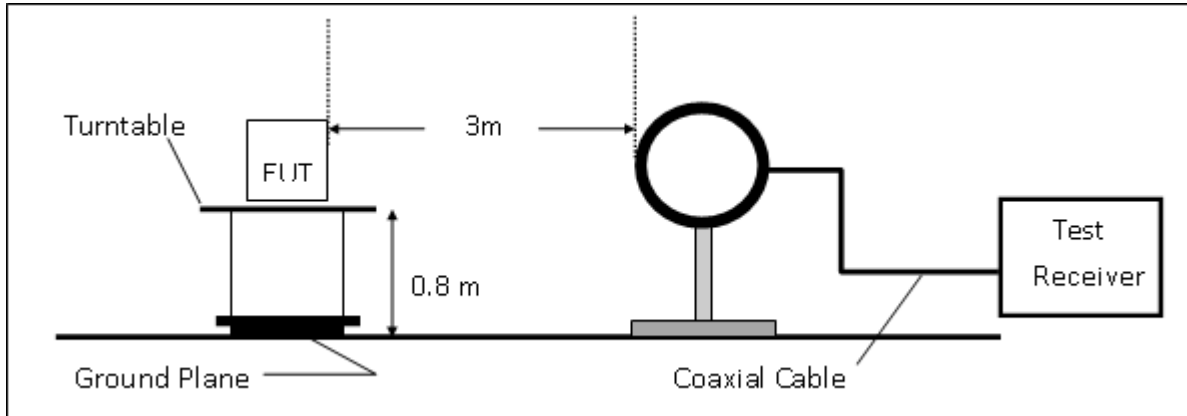
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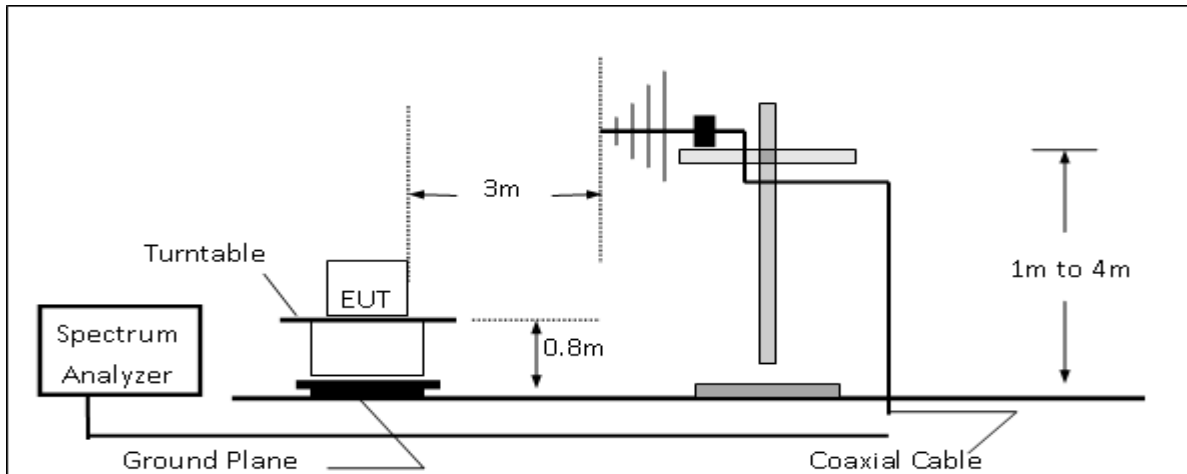
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### 11.3 Test SET-UP

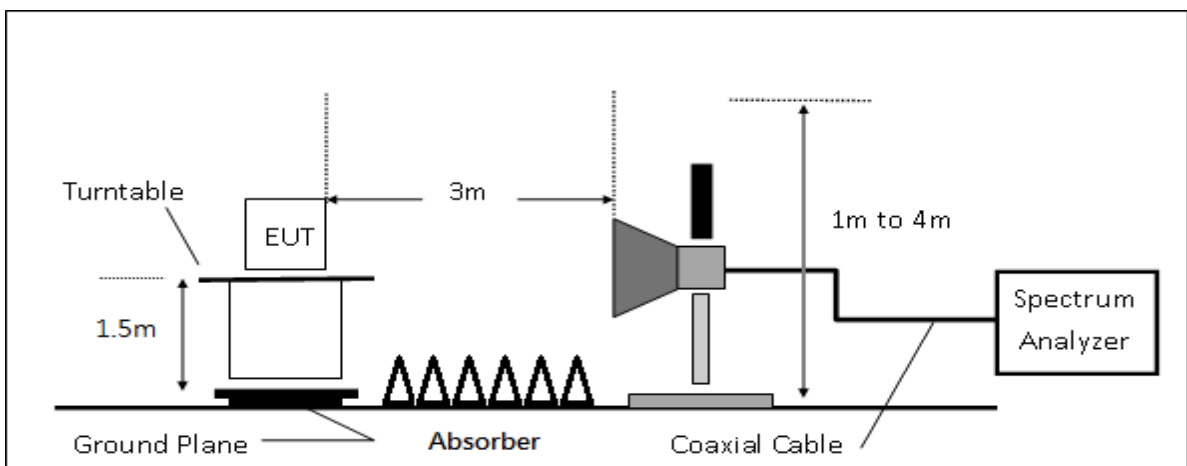
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(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	

$$\text{Actual FS(dB}\mu\text{V/m)} = \text{SPA. Reading level(dB}\mu\text{V)} + \text{Factor(dB)}$$

$$\text{Factor(dB)} = \text{Antenna Factor(dB}\mu\text{V/m)} + \text{Cable Loss(dB)} - \text{Pre\_Amplifier Gain(dB)}$$

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**Note :**

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

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

**11.6 Test Results of Radiated Spurious Emissions 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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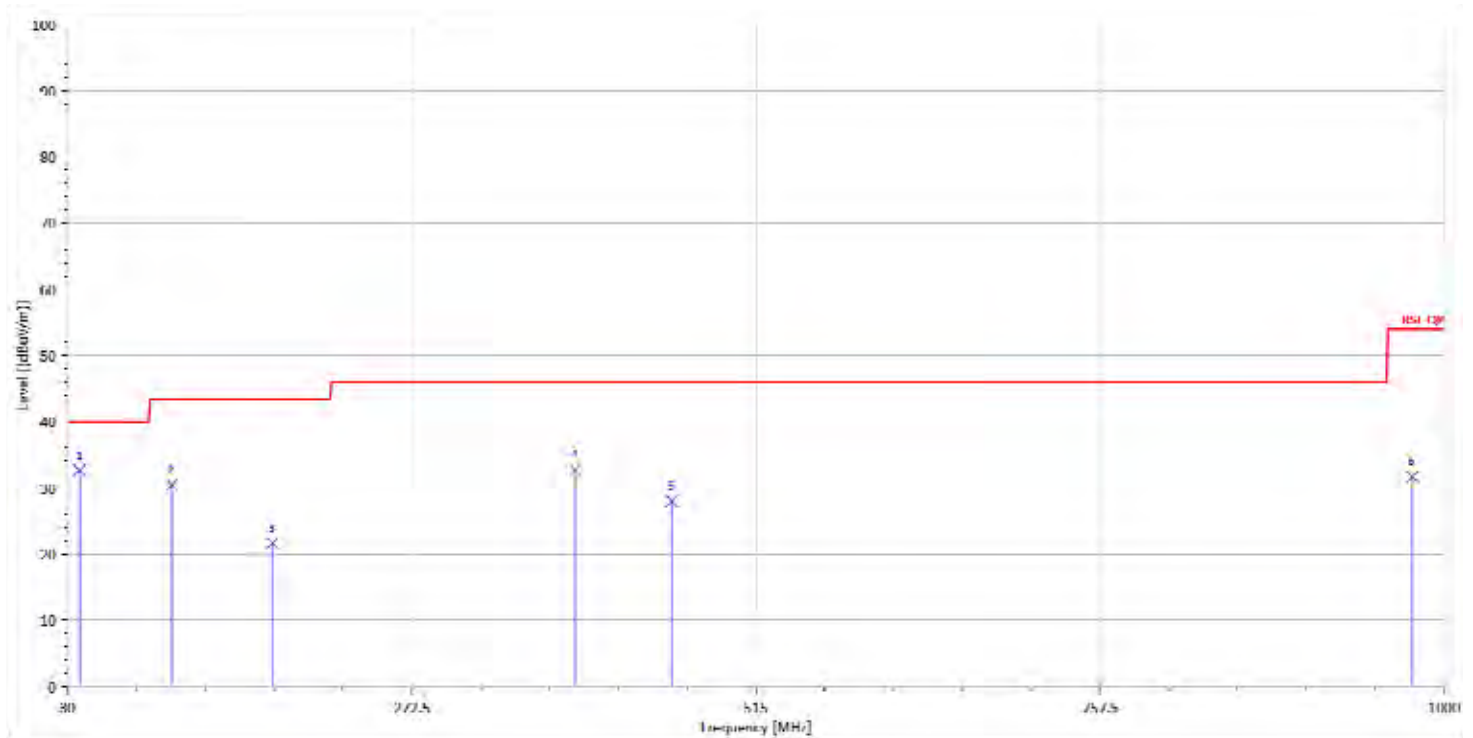
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### Radiated Spurious Emission Measurement Result

#### Below 1GHz Worst-Case Data:

#### 802.11a 5150~5250 MHz

Operation Mode :	802.11aB1	Test Date :	2017/10/30
Fundamental Frequency :	5220 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



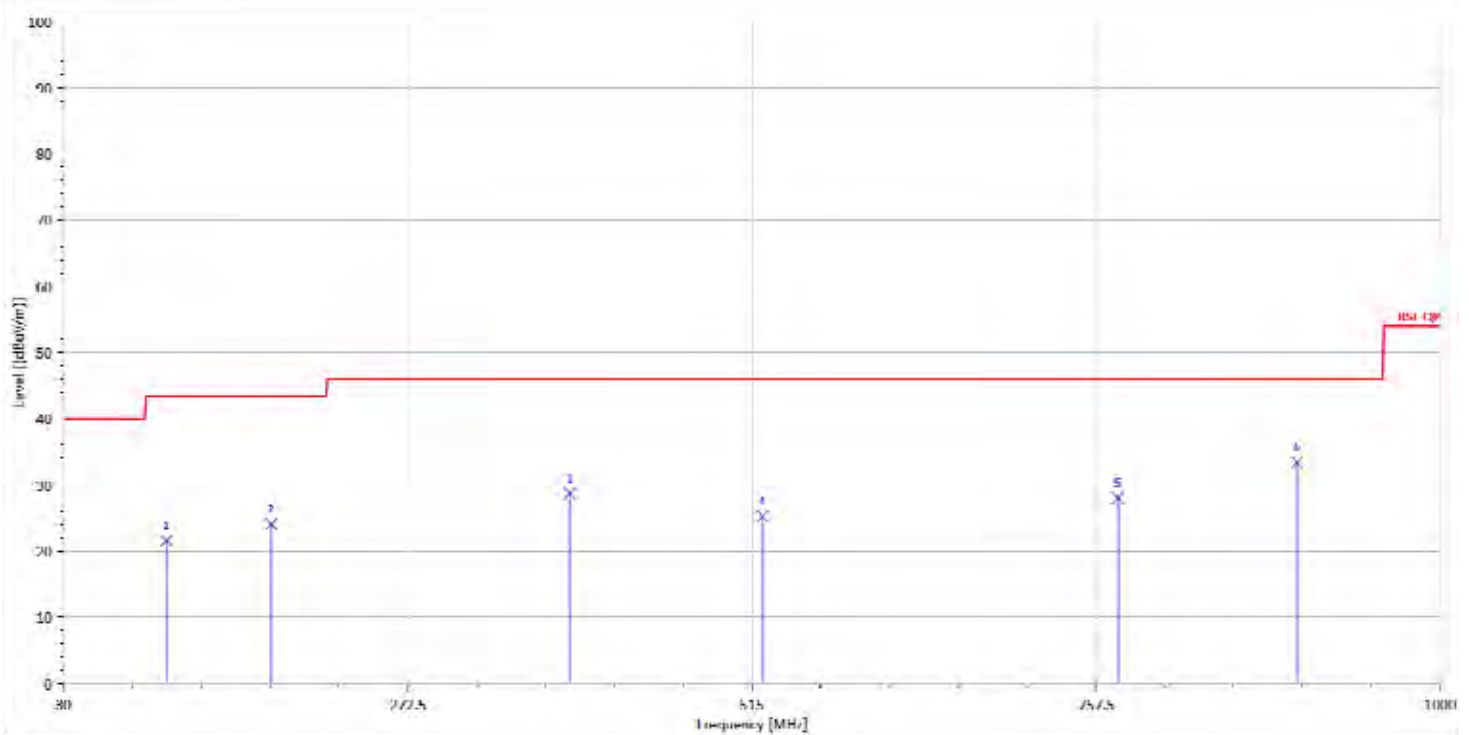
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
38.73	S	Peak	44.72	-12.04	32.68	40	-7.32
103.72	S	Peak	47.76	-17.29	30.48	43.5	-13.02
174.53	S	Peak	40.07	-18.42	21.65	43.5	-21.85
387.93	S	Peak	42.87	-10.09	32.79	46	-13.21
455.83	S	Peak	36.41	-8.43	27.98	46	-18.02
977.69	S	Peak	32.55	-0.85	31.70	54	-22.30

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Operation Mode : 802.11aB1 Test Date : 2017/10/30  
 Fundamental Frequency : 5220 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH Mid Test Engineer : Ashton  
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
102.75	S	Peak	38.96	-17.40	21.56	43.5	-21.94
176.47	S	Peak	42.59	-18.52	24.06	43.5	-19.44
386.96	S	Peak	38.85	-10.15	28.70	46	-17.30
522.76	S	Peak	32.50	-7.25	25.25	46	-20.75
773.02	S	Peak	32.57	-4.59	27.98	46	-18.02
899.12	S	Peak	35.74	-2.35	33.39	46	-12.61

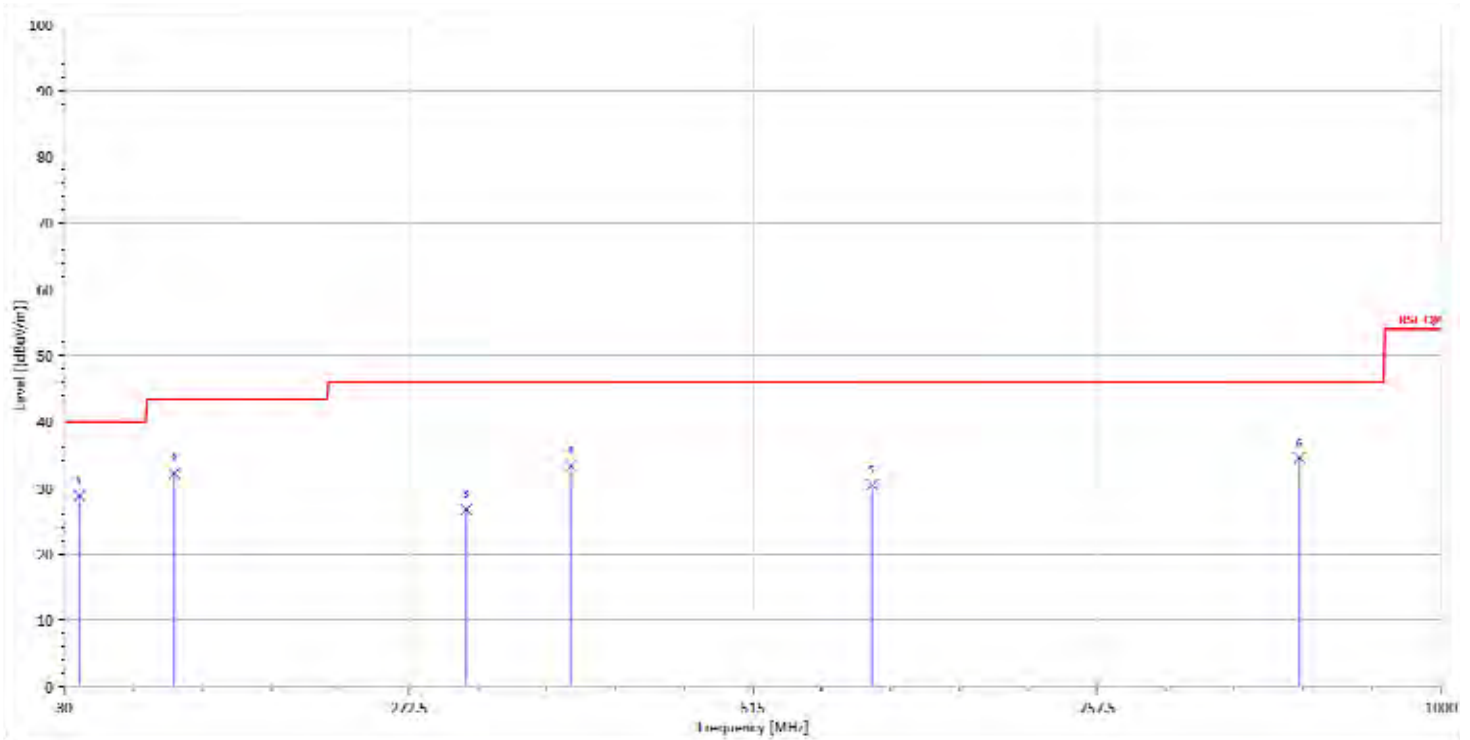
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### 802.11a 5250~5350 MHz

Operation Mode :	802.11aB2	Test Date :	2017/10/30
Fundamental Frequency :	5300 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



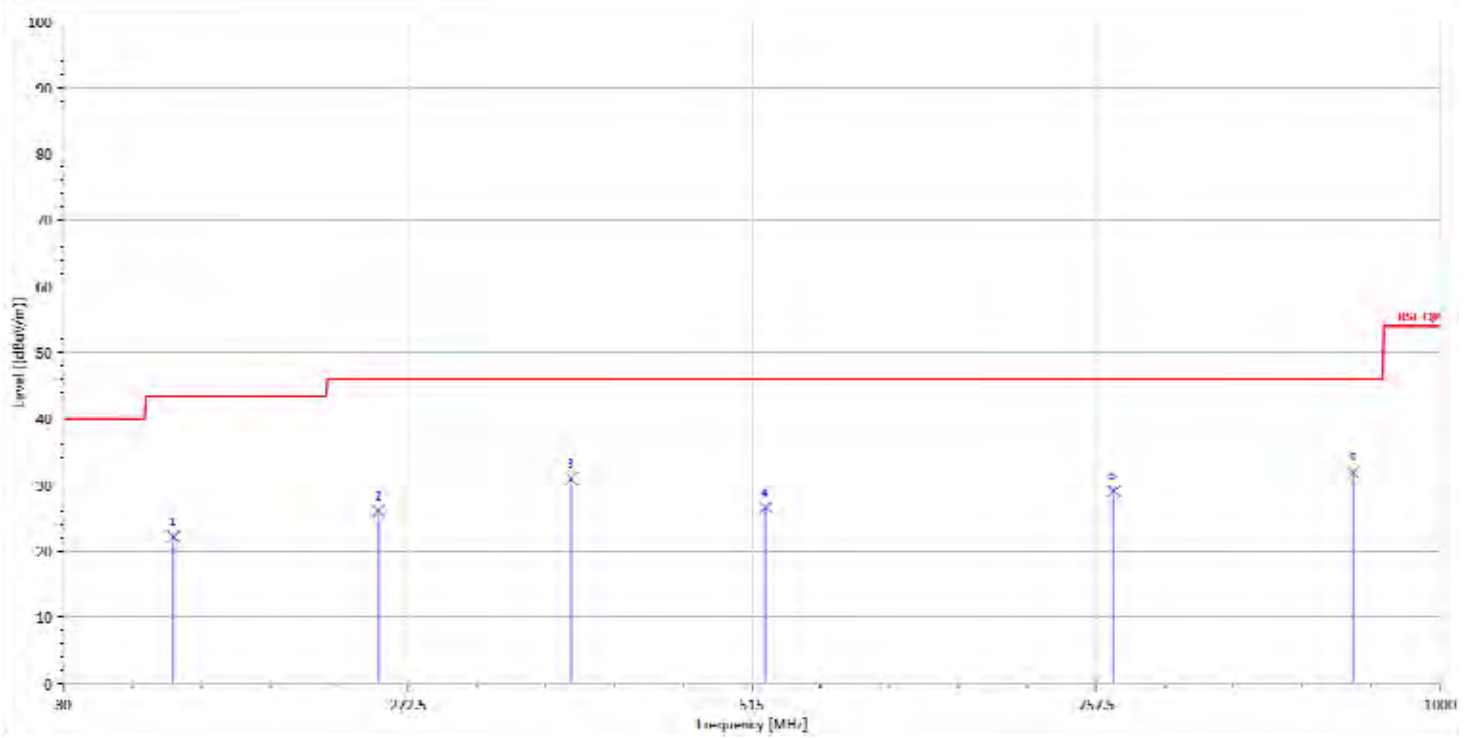
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
40.67	S	Peak	42.06	-13.29	28.77	40	-11.23
107.60	S	Peak	48.94	-16.77	32.17	43.5	-11.33
313.24	S	Peak	39.07	-12.34	26.73	46	-19.27
386.96	S	Peak	43.49	-10.15	33.34	46	-12.66
599.39	S	Peak	36.91	-6.44	30.48	46	-15.52
900.09	S	Peak	36.77	-2.25	34.52	46	-11.48

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Operation Mode : 802.11aB2      Test Date : 2017/10/30  
 Fundamental Frequency : 5300 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH Mid      Test Engineer : Ashton  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
107.60	S	Peak	38.97	-16.77	22.21	43.5	-21.29
252.13	S	Peak	40.54	-14.45	26.08	46	-19.92
387.93	S	Peak	41.02	-10.09	30.93	46	-15.07
524.70	S	Peak	34.07	-7.50	26.56	46	-19.44
770.11	S	Peak	33.40	-4.33	29.07	46	-16.93
938.89	S	Peak	33.60	-1.77	31.83	46	-14.17

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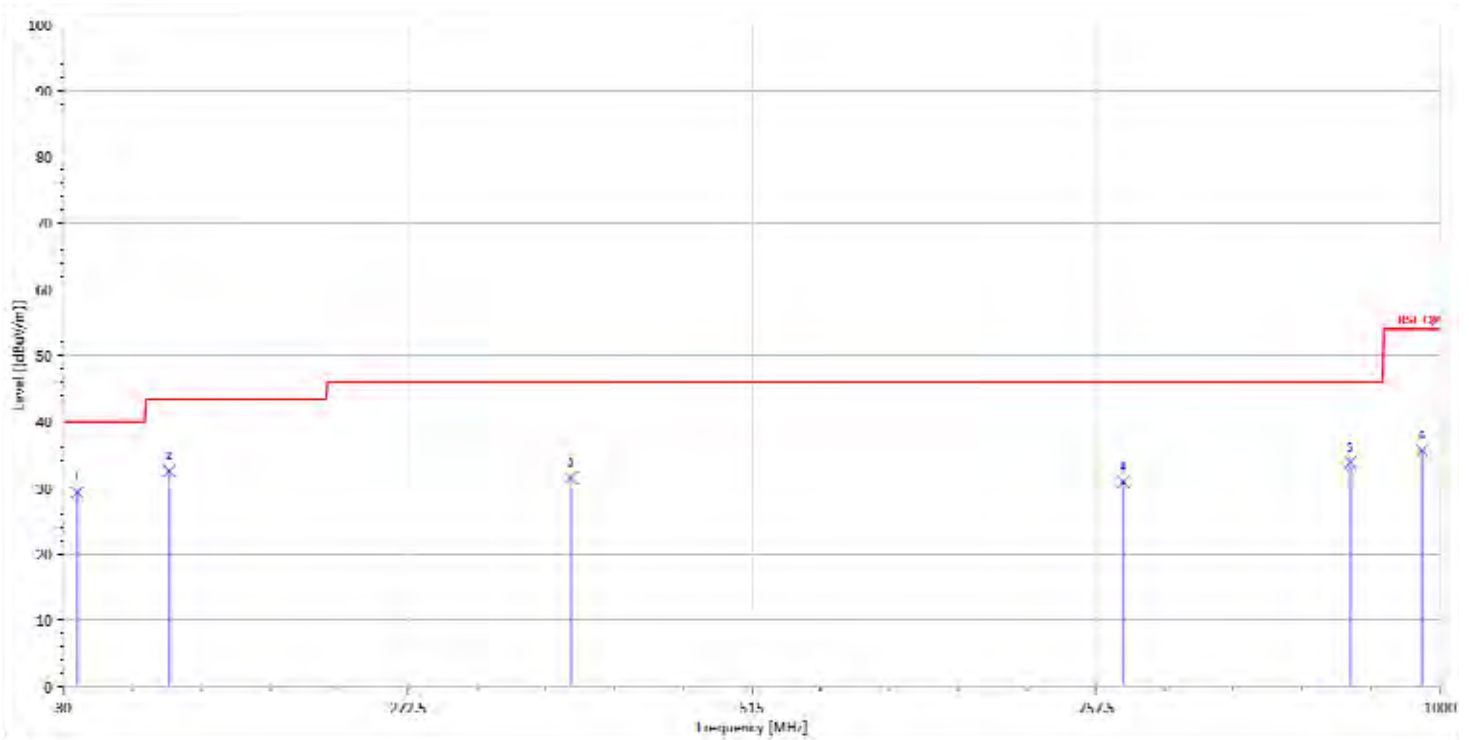
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802.11a, 5470~5725 MHz

Operation Mode :	802.11aB3	Test Date :	2017/10/30
Fundamental Frequency :	5580 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



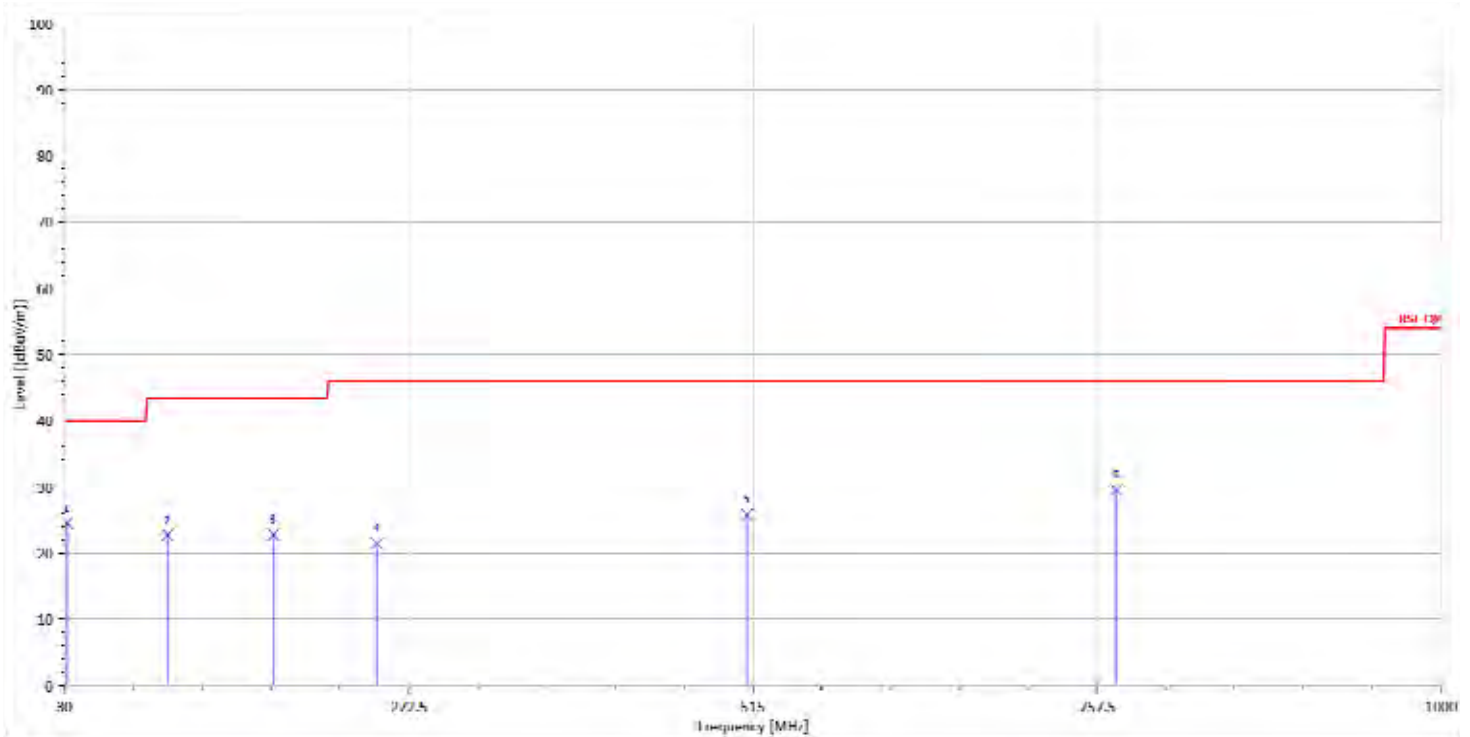
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
39.70	S	Peak	41.91	-12.63	29.28	40	-10.72
104.69	S	Peak	49.75	-17.17	32.58	43.5	-10.92
387.93	S	Peak	41.60	-10.09	31.51	46	-14.49
776.90	S	Peak	35.72	-4.77	30.95	46	-15.05
936.95	S	Peak	35.57	-1.70	33.87	46	-12.13
987.39	S	Peak	36.20	-0.57	35.63	54	-18.37

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Operation Mode : 802.11aB3      Test Date : 2017/10/30  
 Fundamental Frequency : 5580 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH Mid      Test Engineer : Ashton  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
31.94	S	Peak	32.76	-8.22	24.54	40	-15.46
102.75	S	Peak	40.13	-17.40	22.73	43.5	-20.77
177.44	S	Peak	41.30	-18.53	22.77	43.5	-20.73
250.19	S	Peak	36.00	-14.58	21.42	46	-24.58
511.12	S	Peak	33.30	-7.49	25.81	46	-20.19
771.08	S	Peak	33.89	-4.35	29.54	46	-16.46

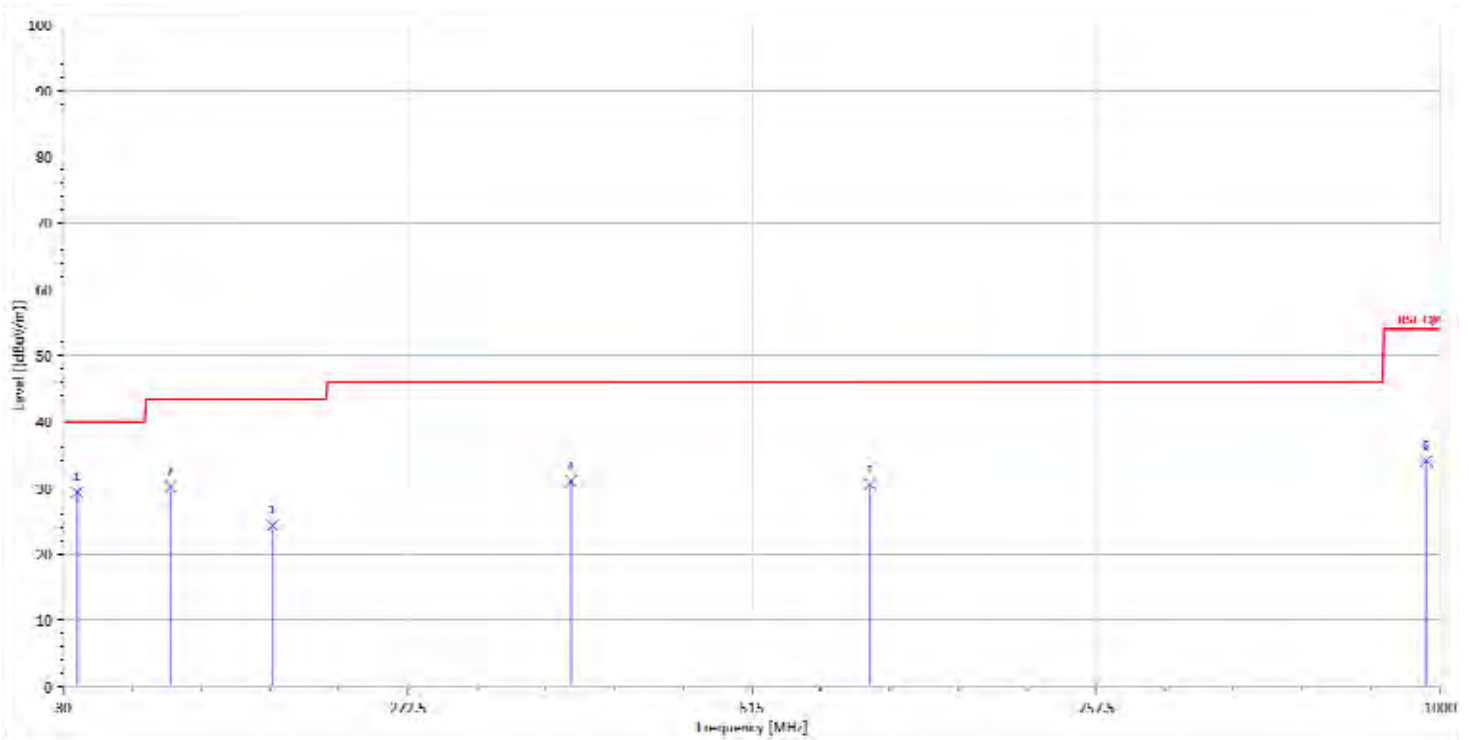
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## 802.11a, 5725~5850 MHz

Operation Mode :	802.11aB4	Test Date :	2017/10/30
Fundamental Frequency :	5785 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Mid	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



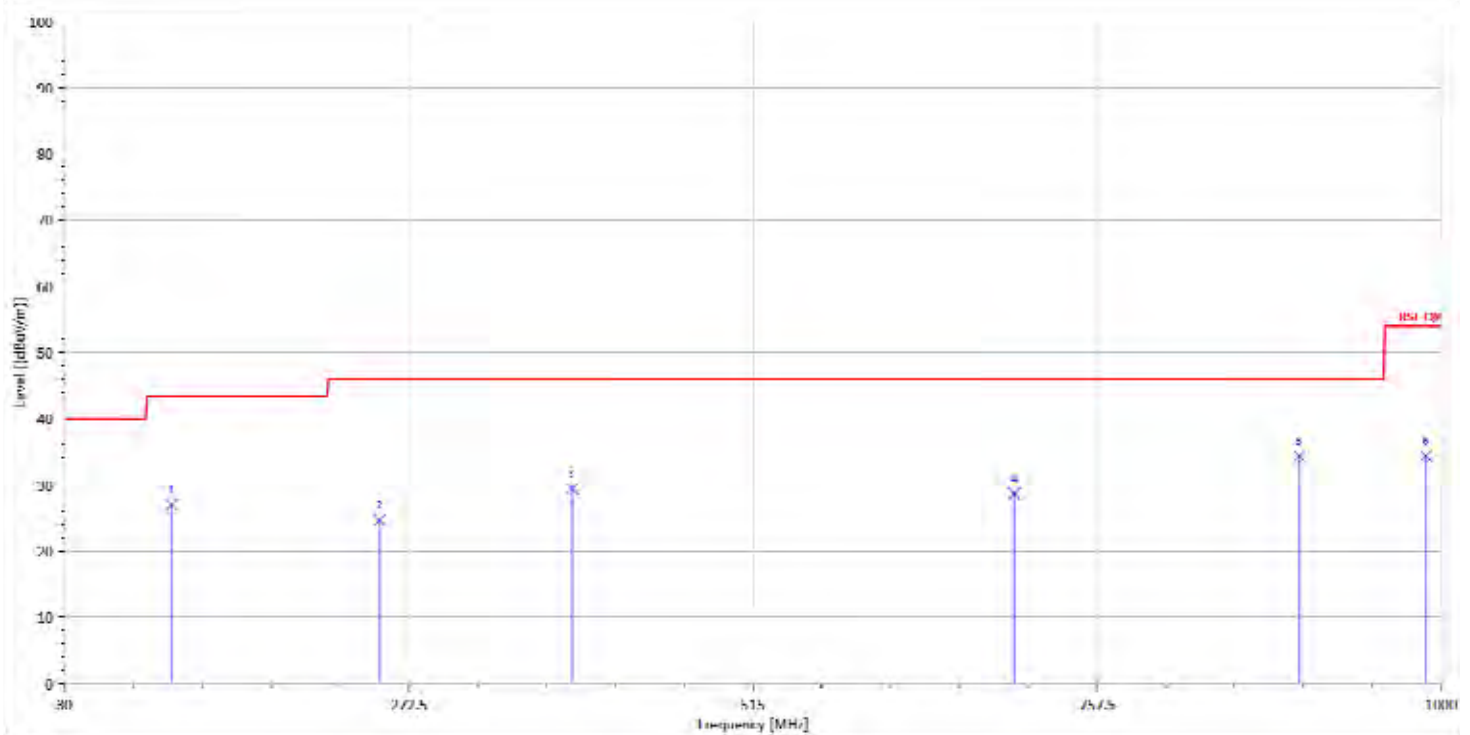
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
39.70	S	Peak	41.96	-12.63	29.33	40	-10.67
105.66	S	Peak	47.23	-17.04	30.19	43.5	-13.31
177.44	S	Peak	42.86	-18.53	24.33	43.5	-19.17
387.93	S	Peak	41.12	-10.09	31.04	46	-14.96
598.42	S	Peak	36.80	-6.26	30.54	46	-15.46
990.30	S	Peak	34.77	-0.70	34.08	54	-19.92

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Operation Mode : 802.11aB4      Test Date : 2017/10/30  
 Fundamental Frequency : 5785 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH Mid      Test Engineer : Ashton  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
105.66	S	Peak	44.04	-17.04	27.00	43.5	-16.50
252.13	S	Peak	39.15	-14.45	24.69	46	-21.31
387.93	S	Peak	39.52	-10.09	29.43	46	-16.57
699.30	S	Peak	33.78	-5.09	28.69	46	-17.31
900.09	S	Peak	36.57	-2.25	34.32	46	-11.68
989.33	S	Peak	35.01	-0.66	34.35	54	-19.65

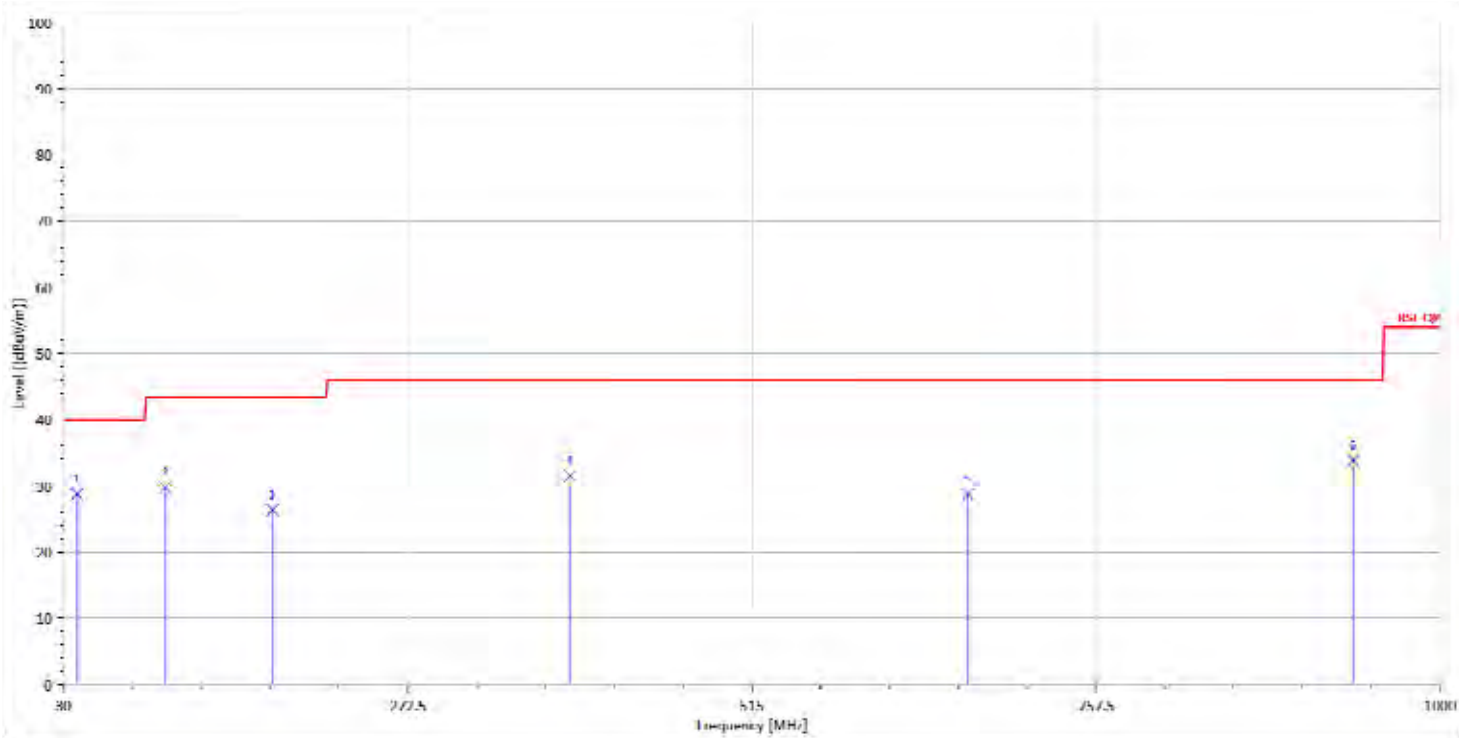
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### 802.11ac VHT80, 5150~5250 MHz

Operation Mode :	802.11ac80B1	Test Date :	2017/10/30
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



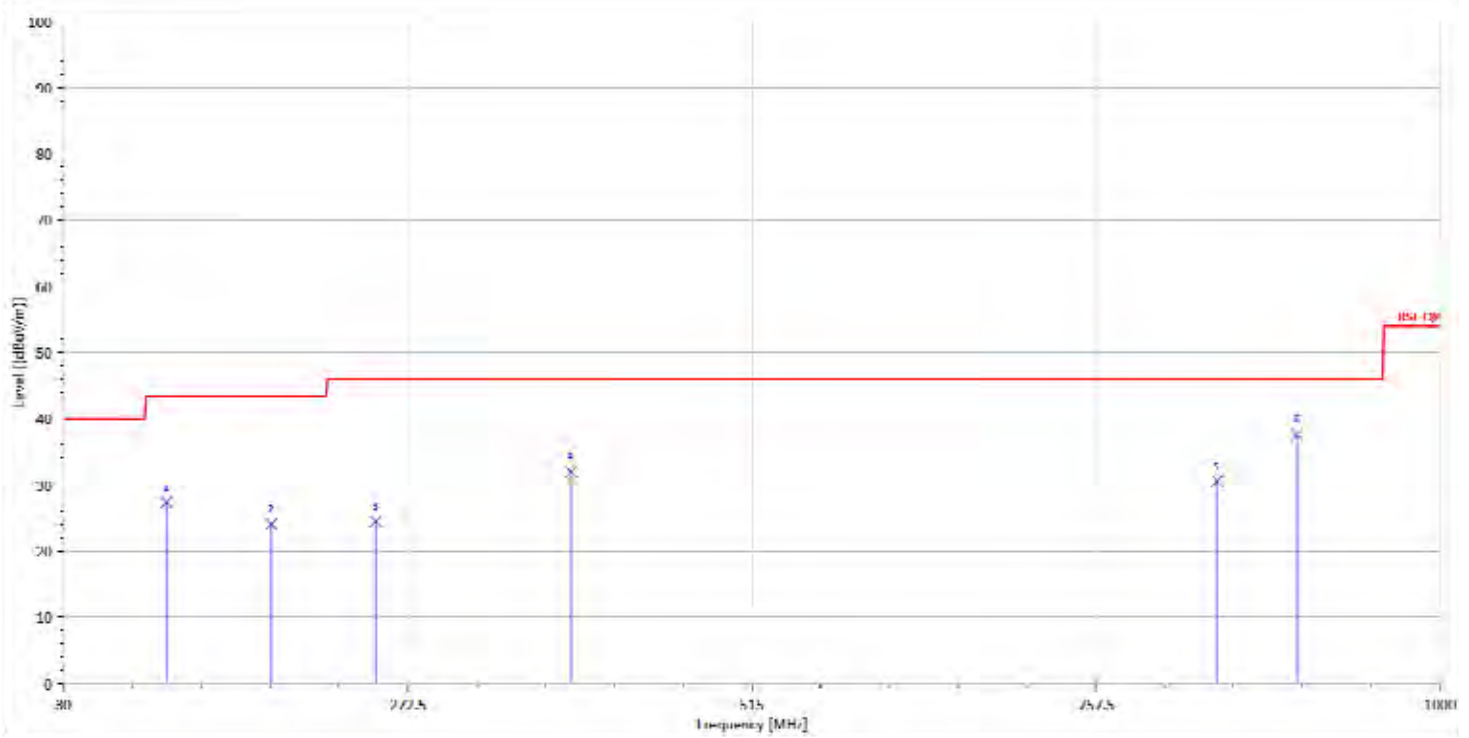
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
39.70	S	Peak	41.38	-12.63	28.75	40	-11.25
101.78	S	Peak	47.33	-17.52	29.81	43.5	-13.69
177.44	S	Peak	44.89	-18.53	26.35	43.5	-17.15
386.96	S	Peak	41.68	-10.15	31.54	46	-14.46
667.29	S	Peak	33.99	-5.23	28.76	46	-17.24
938.89	S	Peak	35.67	-1.77	33.90	46	-12.10

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Operation Mode :	802.11ac80B1	Test Date :	2017/10/30
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
102.75	S	Peak	44.79	-17.40	27.39	43.5	-16.11
176.47	S	Peak	42.57	-18.52	24.05	43.5	-19.45
250.19	S	Peak	39.07	-14.58	24.49	46	-21.51
387.93	S	Peak	42.06	-10.09	31.98	46	-14.02
842.86	S	Peak	33.32	-2.78	30.55	46	-15.45
899.12	S	Peak	39.96	-2.35	37.61	46	-8.39

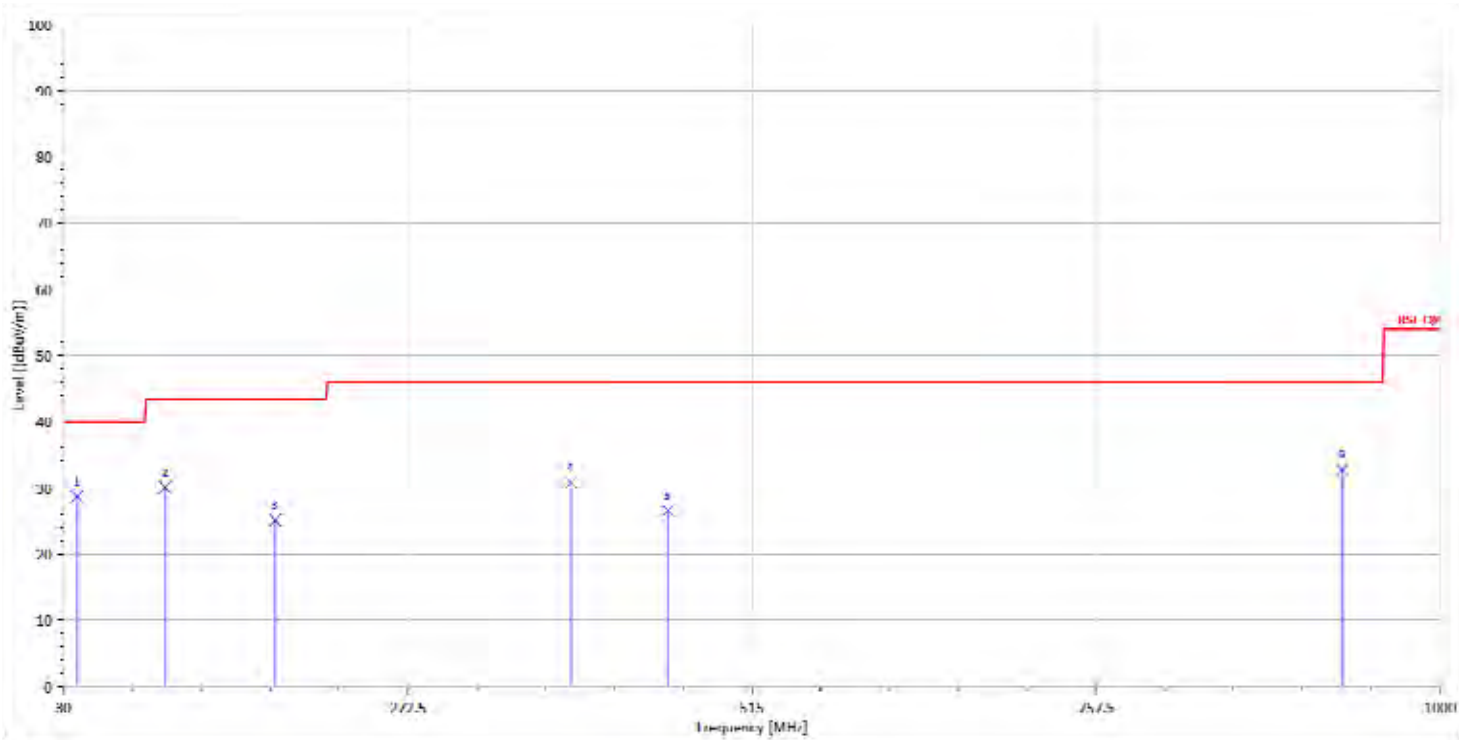
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**802.11ac VHT80, 5250~5350 MHz**

Operation Mode :	802.11ac80B2	Test Date :	2017/10/30
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



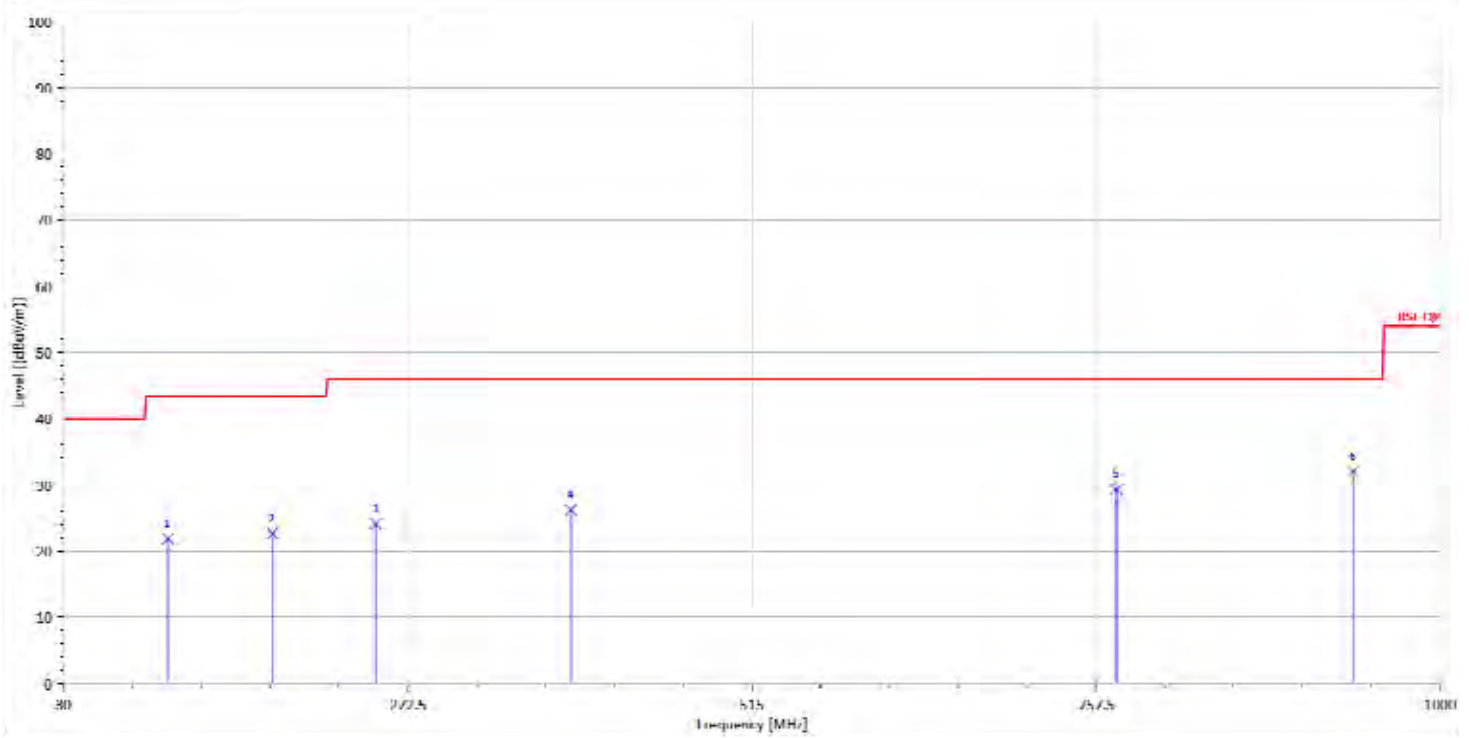
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
39.70	S	Peak	41.32	-12.63	28.70	40	-11.30
101.78	S	Peak	47.62	-17.52	30.09	43.5	-13.41
179.38	S	Peak	43.83	-18.71	25.12	43.5	-18.38
387.93	S	Peak	40.93	-10.09	30.84	46	-15.16
455.83	S	Peak	35.00	-8.43	26.57	46	-19.43
931.13	S	Peak	34.51	-1.70	32.81	46	-13.19

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Operation Mode :	802.11ac80B2	Test Date :	2017/10/30
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
103.72	S	Peak	39.17	-17.29	21.89	43.5	-21.61
177.44	S	Peak	41.21	-18.53	22.68	43.5	-20.82
250.19	S	Peak	38.68	-14.58	24.10	46	-21.90
387.93	S	Peak	36.29	-10.09	26.21	46	-19.79
772.05	S	Peak	33.74	-4.41	29.34	46	-16.66
938.89	S	Peak	33.73	-1.77	31.96	46	-14.04

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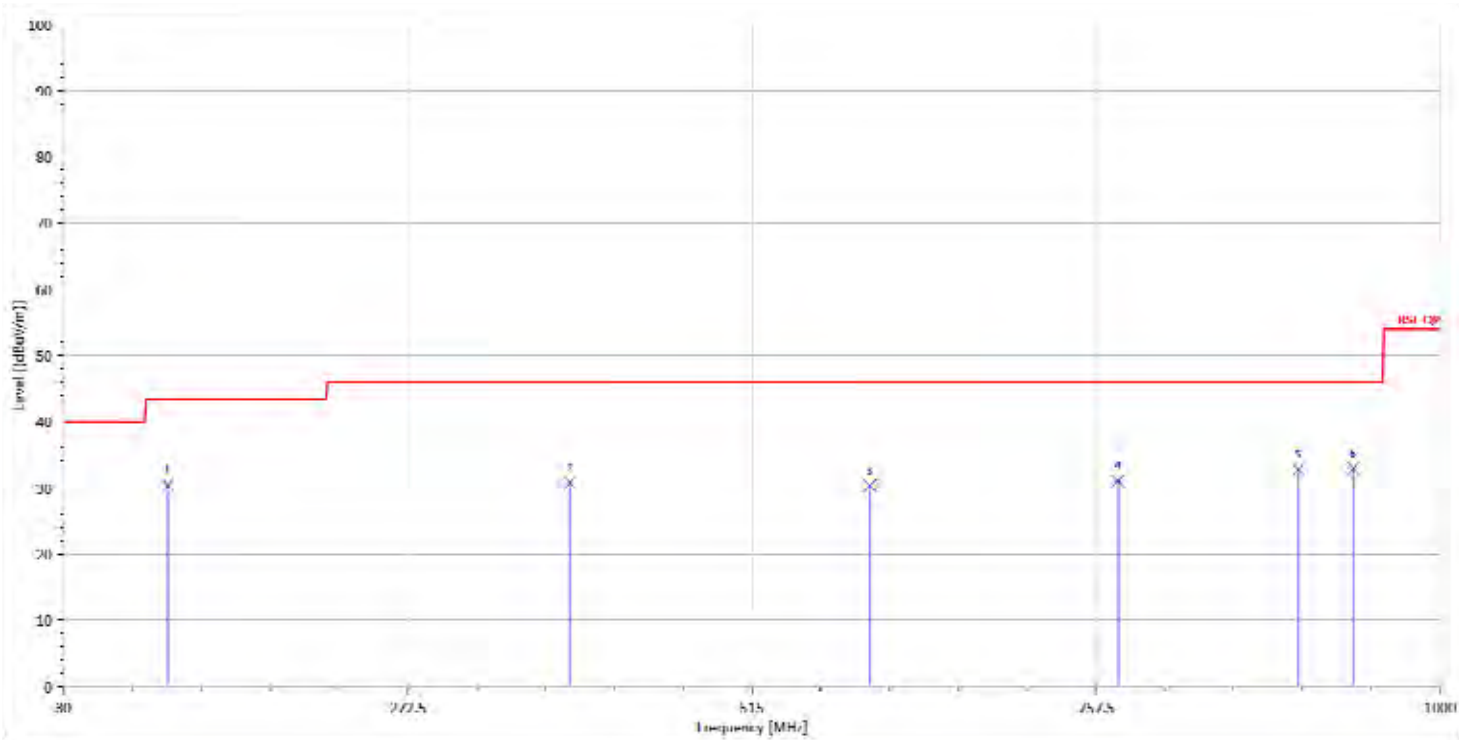
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### 802.11ac VHT80, 5470~5725 MHz

Operation Mode :	802.11ac80B3	Test Date :	2017/10/30
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



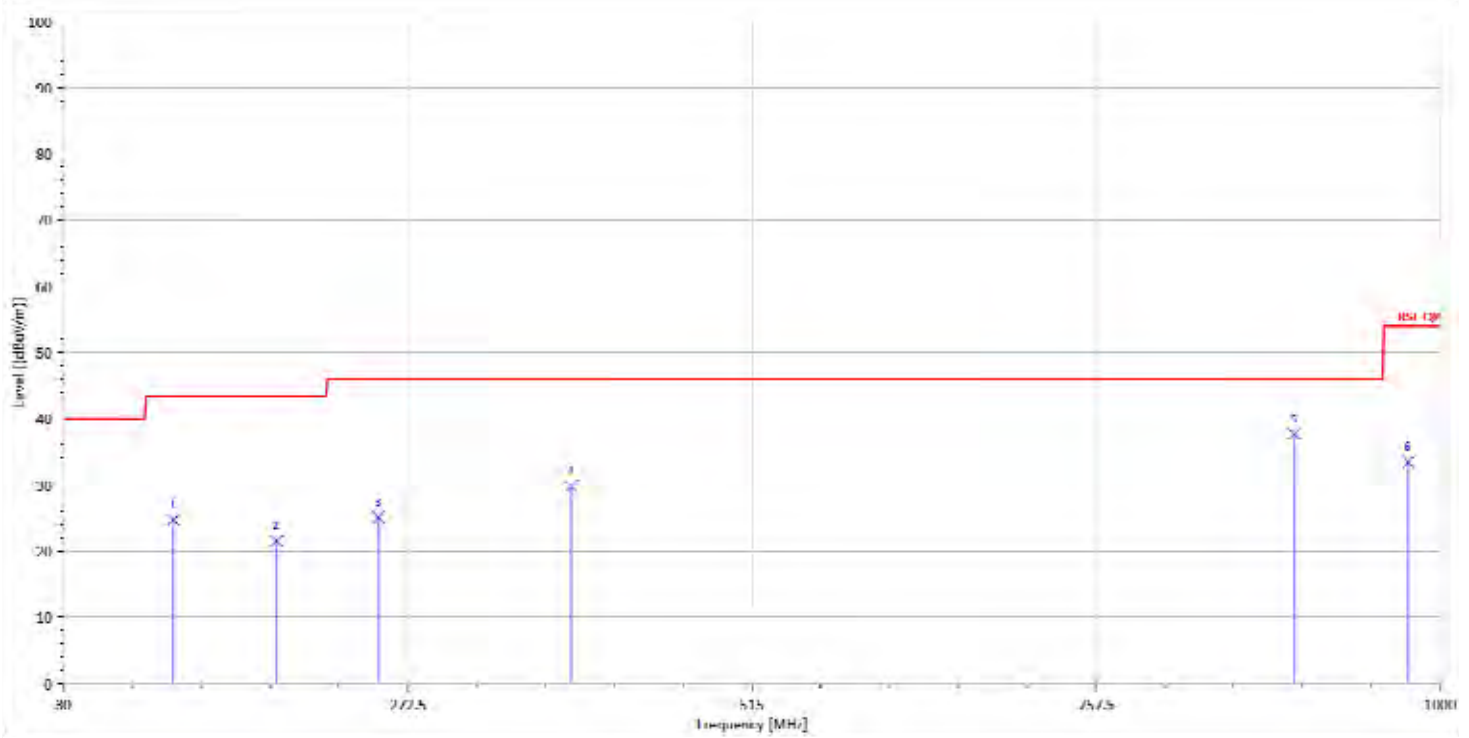
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
103.72	S	Peak	47.71	-17.29	30.42	43.5	-13.08
386.96	S	Peak	40.90	-10.15	30.75	46	-15.25
598.42	S	Peak	36.60	-6.26	30.33	46	-15.67
773.02	S	Peak	35.63	-4.59	31.04	46	-14.96
900.09	S	Peak	35.05	-2.25	32.80	46	-13.20
938.89	S	Peak	34.72	-1.77	32.95	46	-13.05

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Operation Mode :	802.11ac80B3	Test Date :	2017/10/30
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
107.60	S	Peak	41.48	-16.77	24.71	43.5	-18.79
180.35	S	Peak	40.14	-18.60	21.54	43.5	-21.96
252.13	S	Peak	39.56	-14.45	25.10	46	-20.90
387.93	S	Peak	39.94	-10.09	29.85	46	-16.15
897.18	S	Peak	40.07	-2.37	37.70	46	-8.30
977.69	S	Peak	34.33	-0.85	33.47	54	-20.53

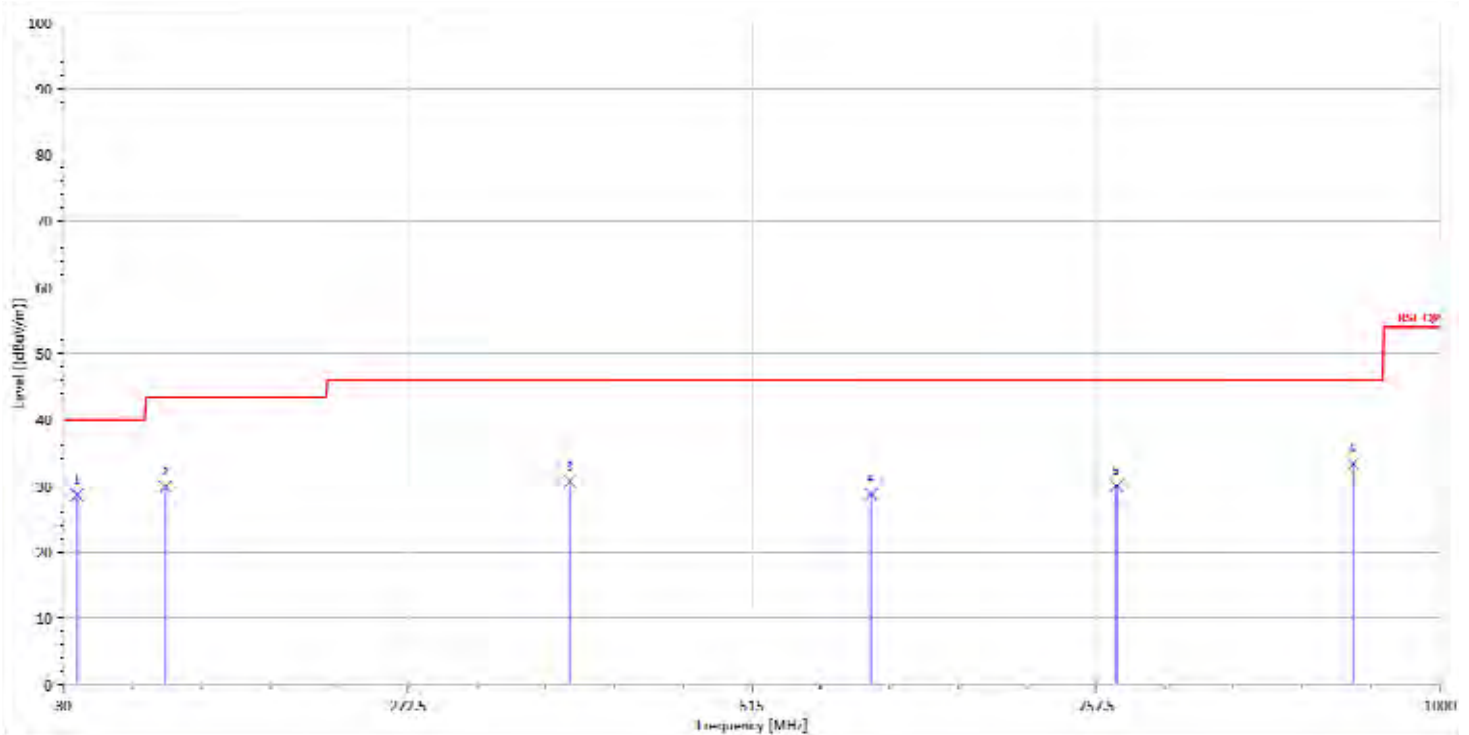
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### 802.11ac VHT80, 5725~5850 MHz

Operation Mode :	802.11ac80B4	Test Date :	2017/10/30
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



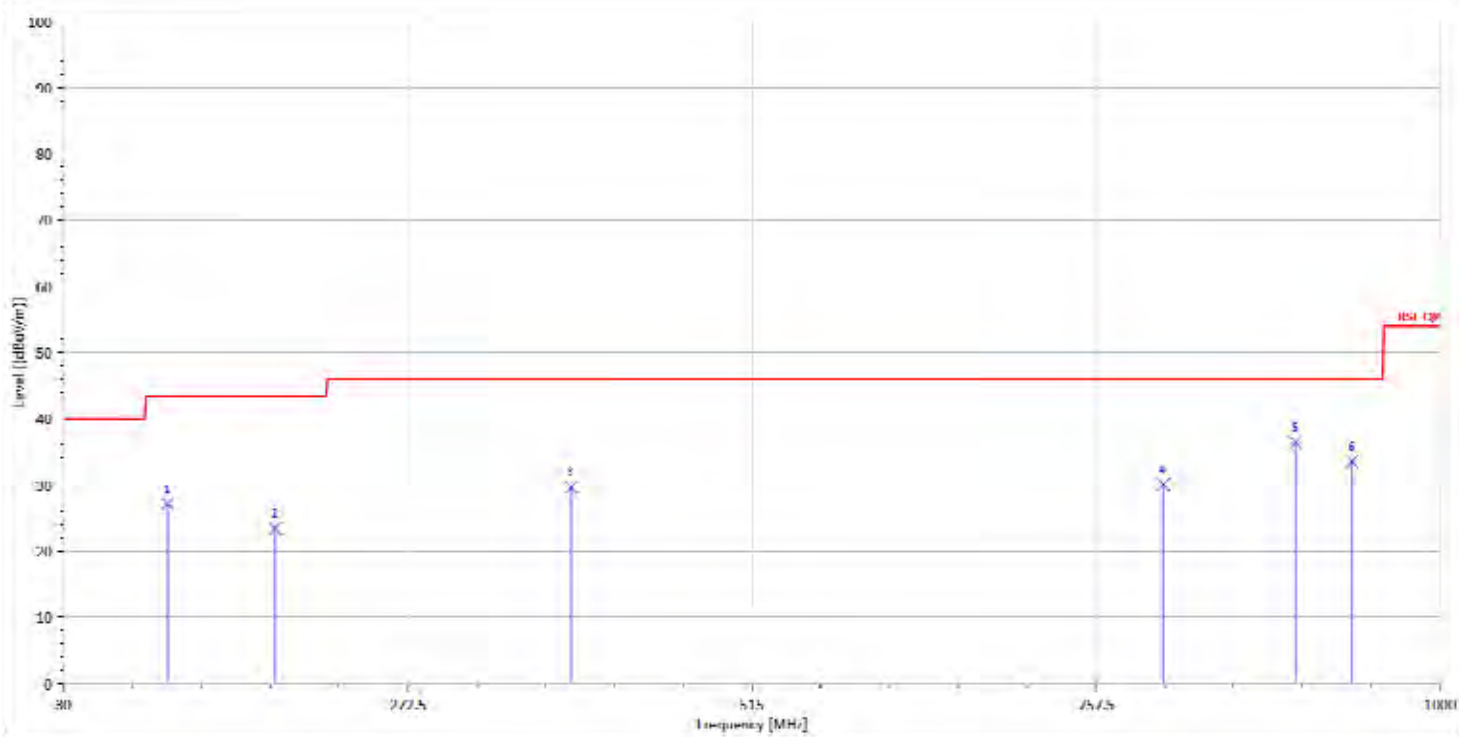
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
39.70	S	Peak	41.27	-12.63	28.65	40	-11.35
101.78	S	Peak	47.39	-17.52	29.86	43.5	-13.64
386.96	S	Peak	40.81	-10.15	30.66	46	-15.34
599.39	S	Peak	35.16	-6.44	28.72	46	-17.28
772.05	S	Peak	34.42	-4.41	30.01	46	-15.99
938.89	S	Peak	35.12	-1.77	33.36	46	-12.64

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Operation Mode :	802.11ac80B4	Test Date :	2017/10/30
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Ashton
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
103.72	S	Peak	44.46	-17.29	27.17	43.5	-16.33
179.38	S	Peak	42.13	-18.71	23.43	43.5	-20.07
387.93	S	Peak	39.75	-10.09	29.66	46	-16.34
805.03	S	Peak	33.40	-3.39	30.02	46	-15.98
898.15	S	Peak	38.78	-2.36	36.42	46	-9.58
937.92	S	Peak	35.26	-1.71	33.55	46	-12.45

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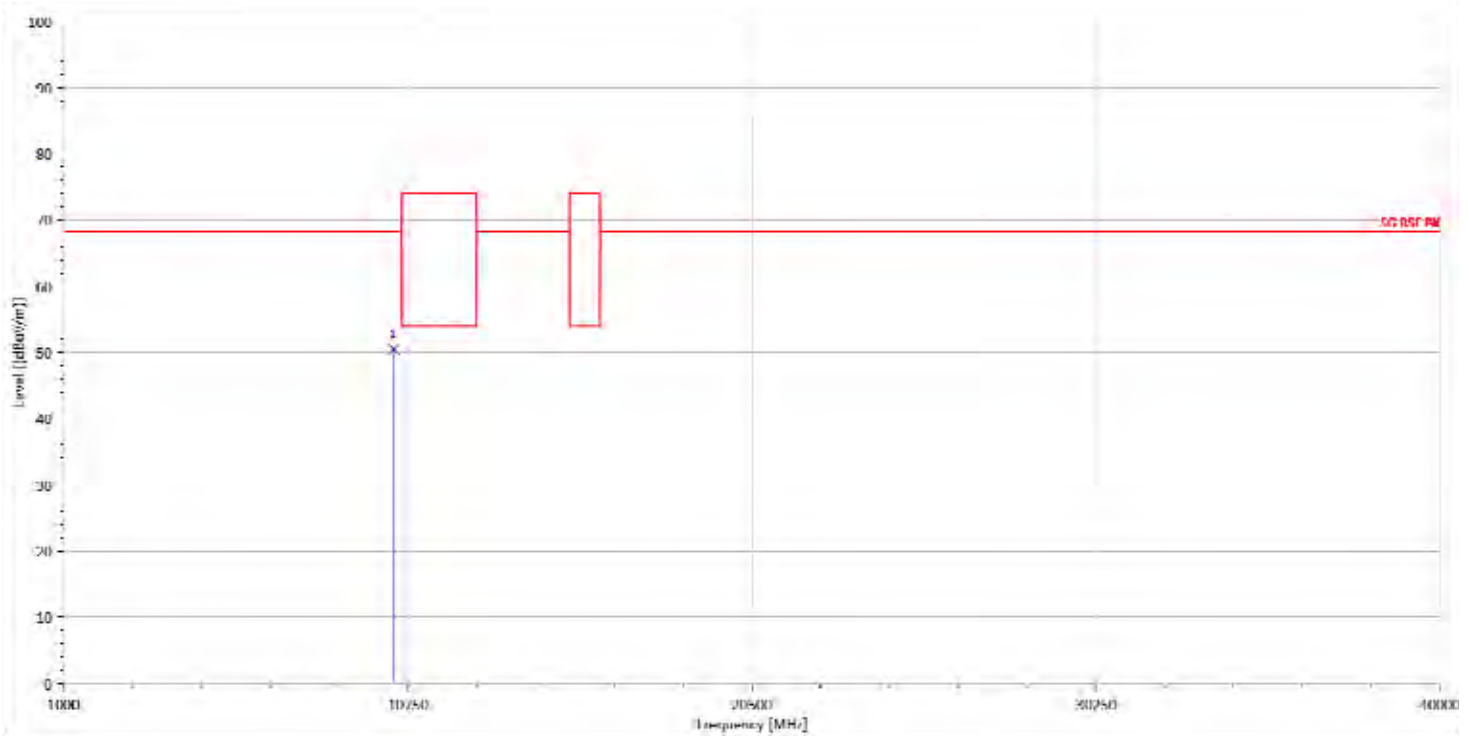
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**Above 1GHz Worst-Case Data:**

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

Operation Mode :	802.11aB1	Test Date :	2017/11/1
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



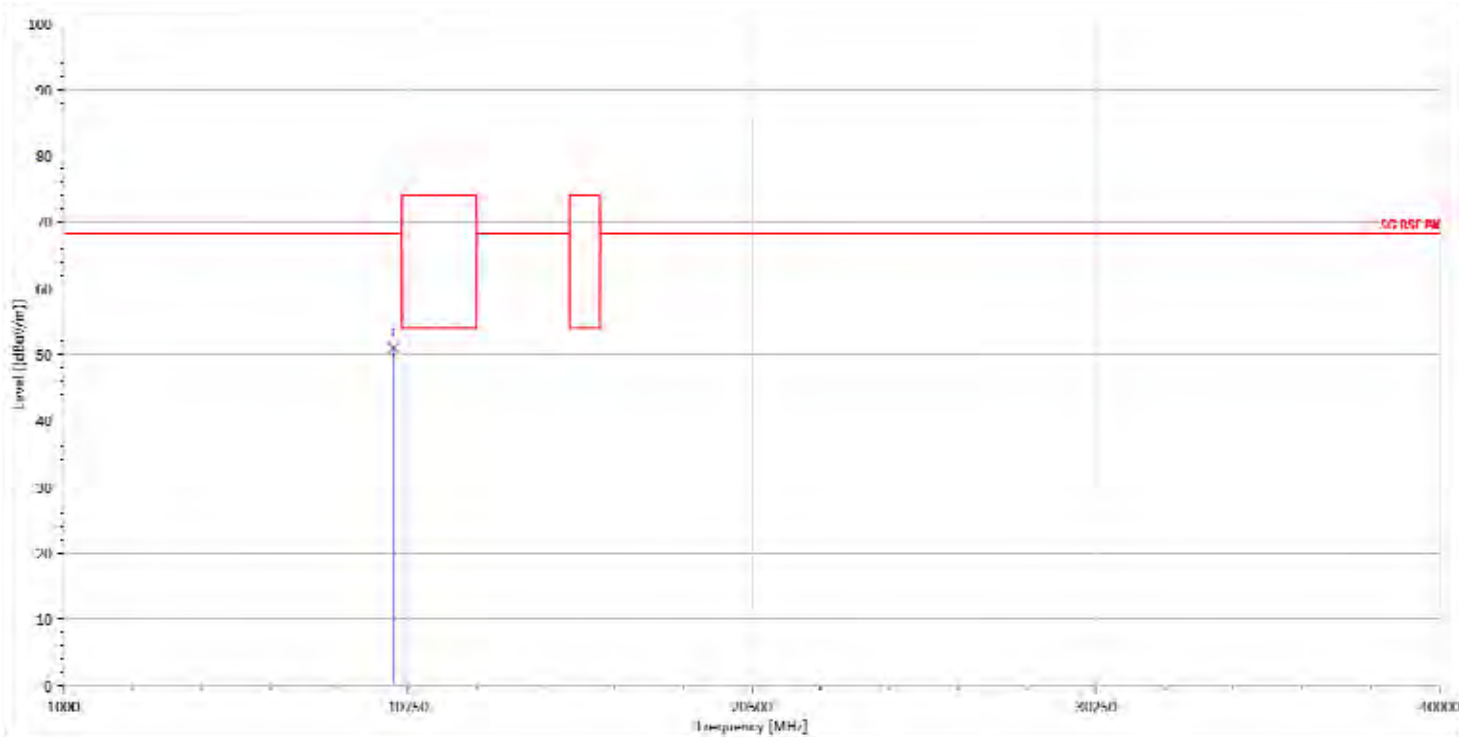
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	H	Peak	30.32	20.18	50.50	68.3	-17.80

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Operation Mode :	802.11aB1	Test Date :	2017/11/1
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



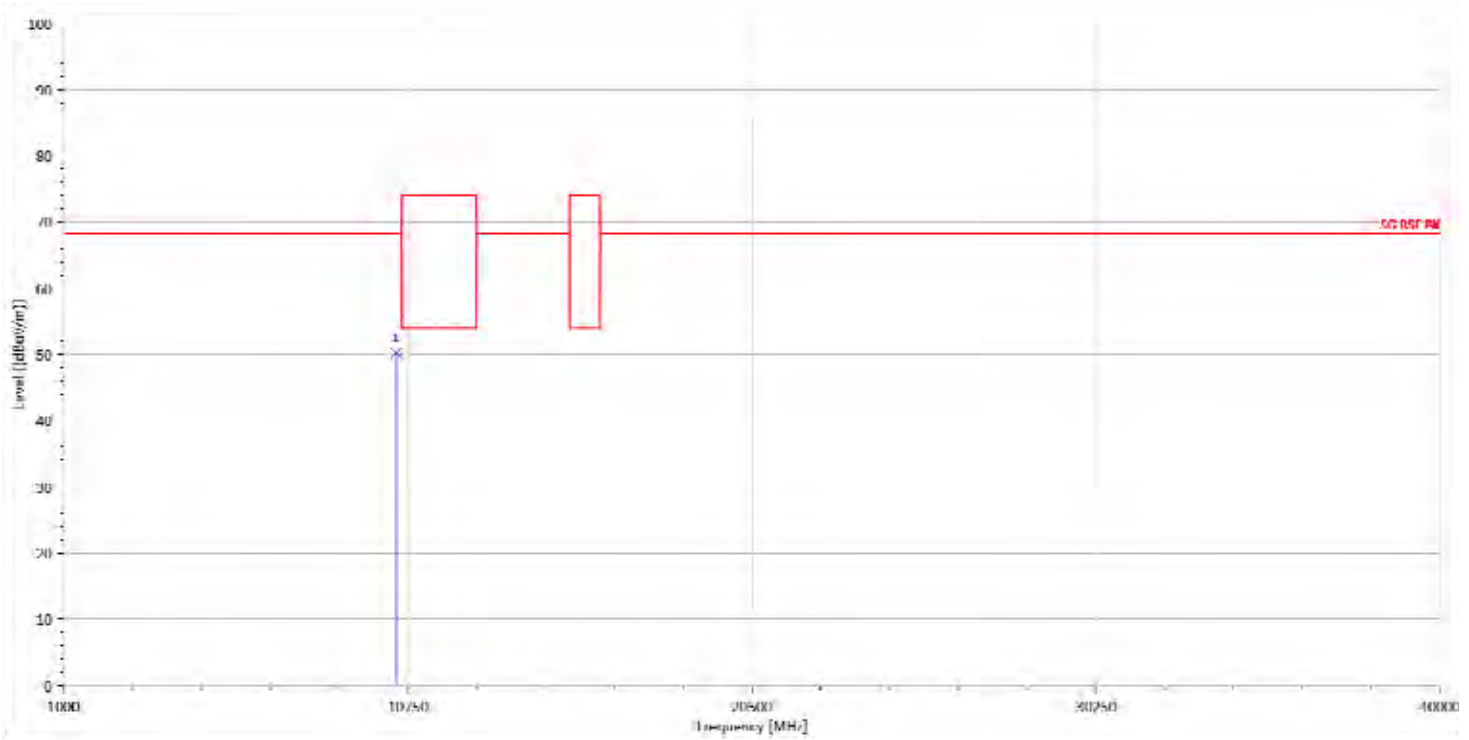
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	H	Peak	30.87	20.18	51.04	68.3	-17.26

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Operation Mode : 802.11aB1      Test Date : 2017/11/1  
 Fundamental Frequency : 5220 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Vertical



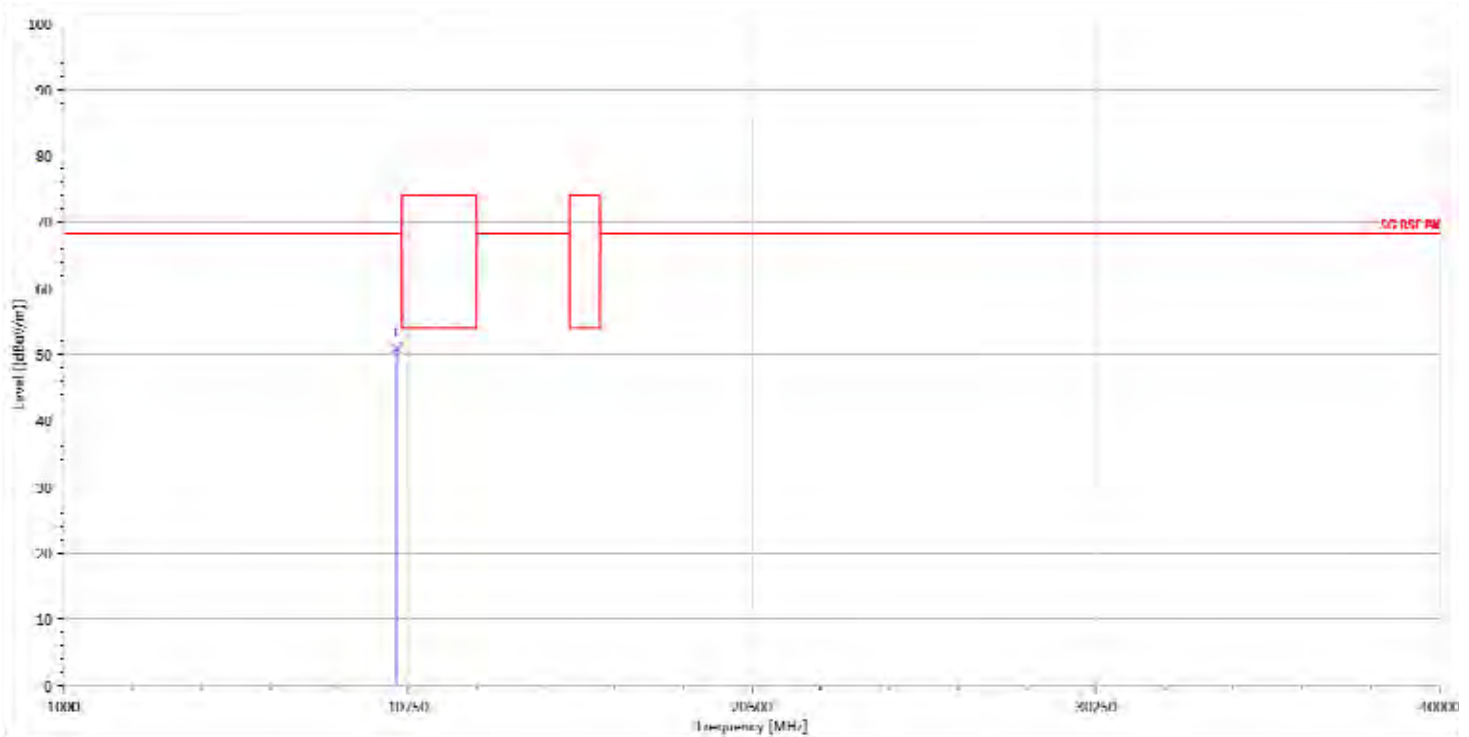
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	H	Peak	29.93	20.29	50.22	68.3	-18.08

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Operation Mode : 802.11aB1      Test Date : 2017/11/1  
 Fundamental Frequency : 5220 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	H	Peak	30.72	20.29	51.01	68.3	-17.29

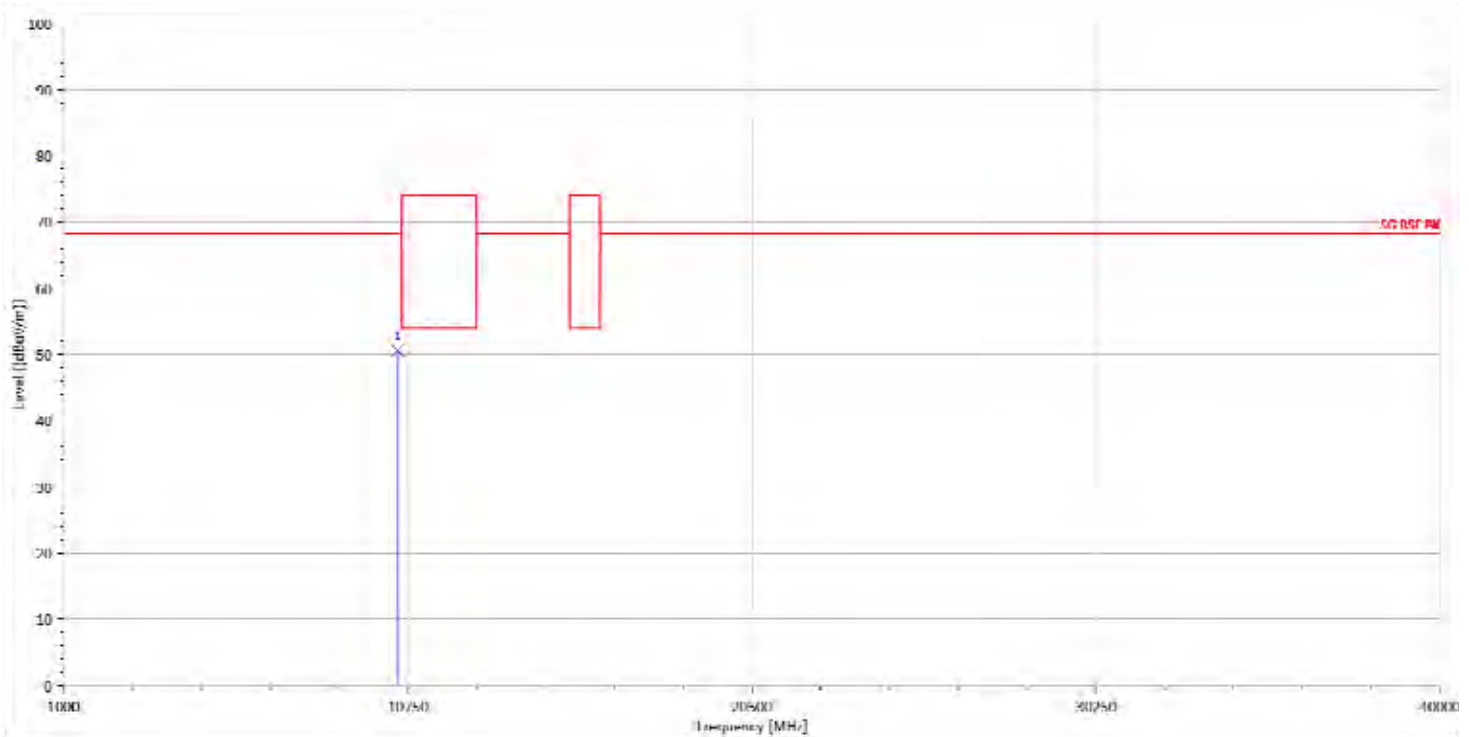
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Operation Mode :	802.11aB1	Test Date :	2017/11/1
Fundamental Frequency :	5240 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



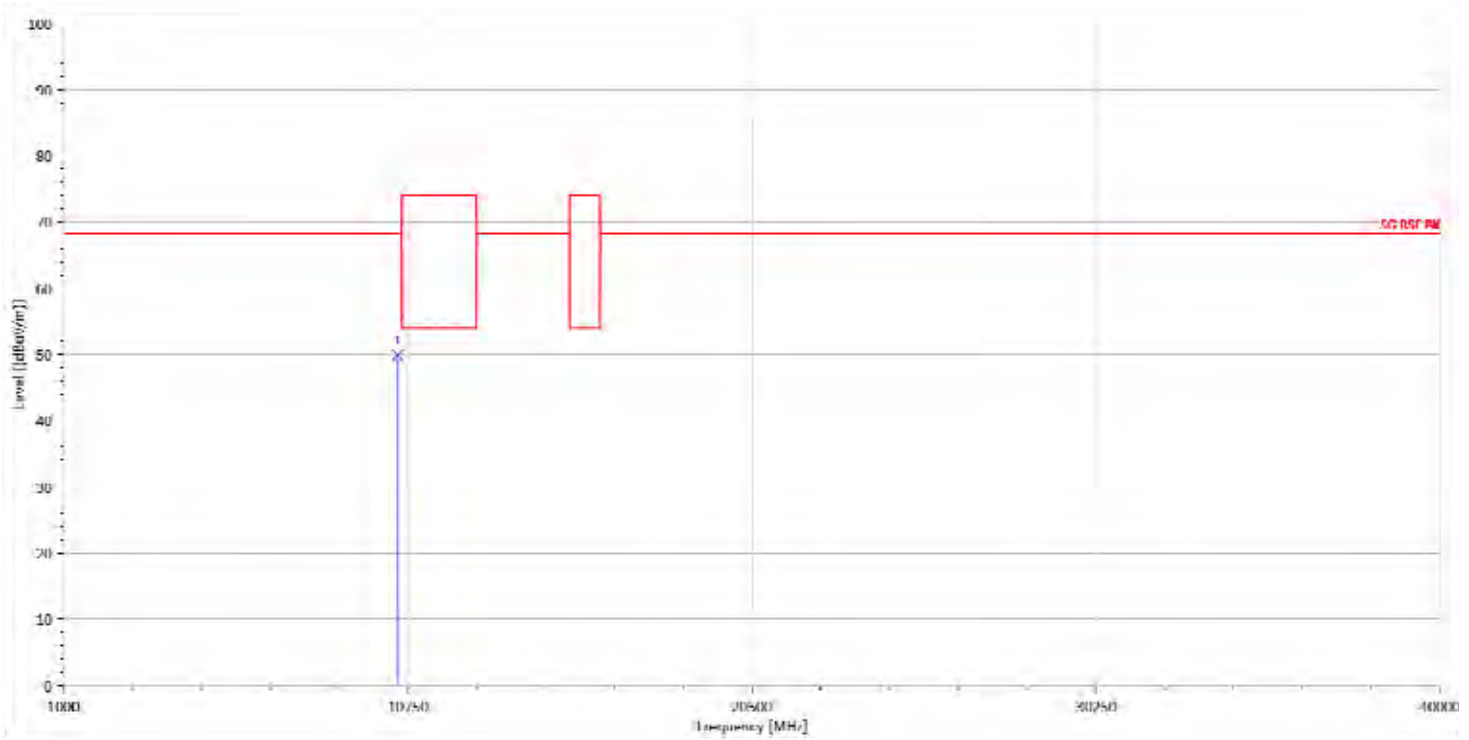
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	H	Peak	29.93	20.68	50.61	68.3	-17.69

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Operation Mode : 802.11aB1      Test Date : 2017/11/1  
 Fundamental Frequency : 5240 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH HIGH      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	H	Peak	29.21	20.68	49.89	68.3	-18.41

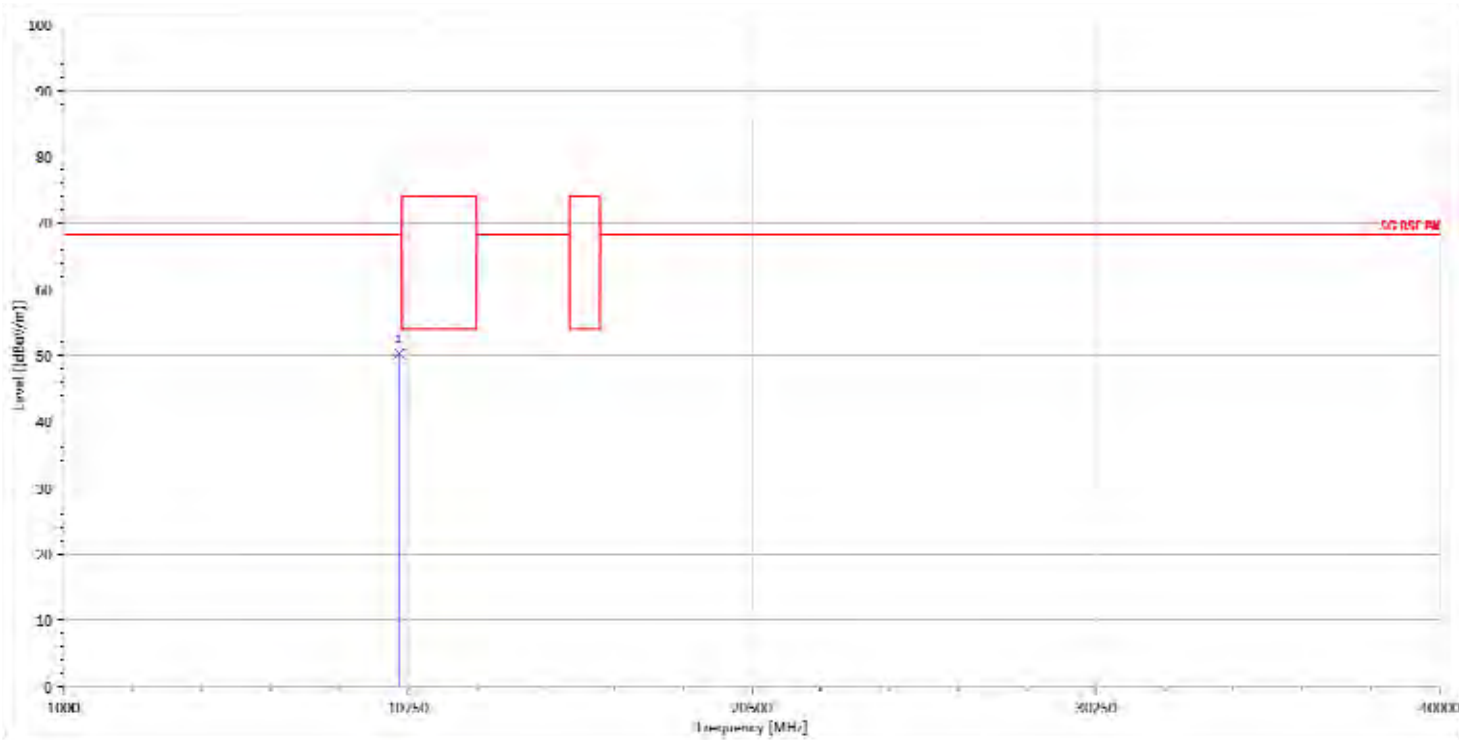
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### Radiated Spurious Emission Measurement Result 802.11a, 5250MHz-5350MHz

Operation Mode :	802.11aB2	Test Date :	2017/11/1
Fundamental Frequency :	5260 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



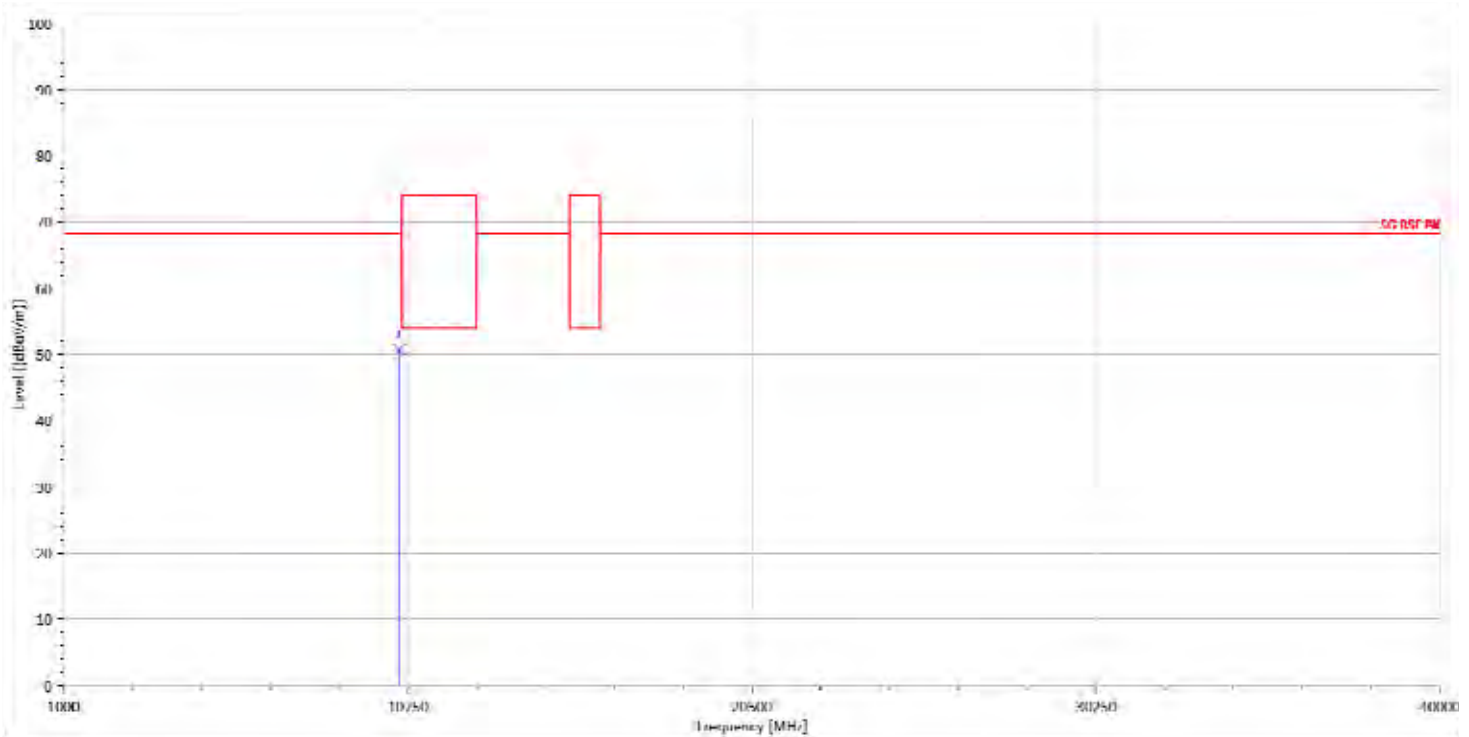
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	H	Peak	30.17	20.10	50.27	68.3	-18.03

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Operation Mode : 802.11aB2      Test Date : 2017/11/1  
 Fundamental Frequency : 5260 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH LOW      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



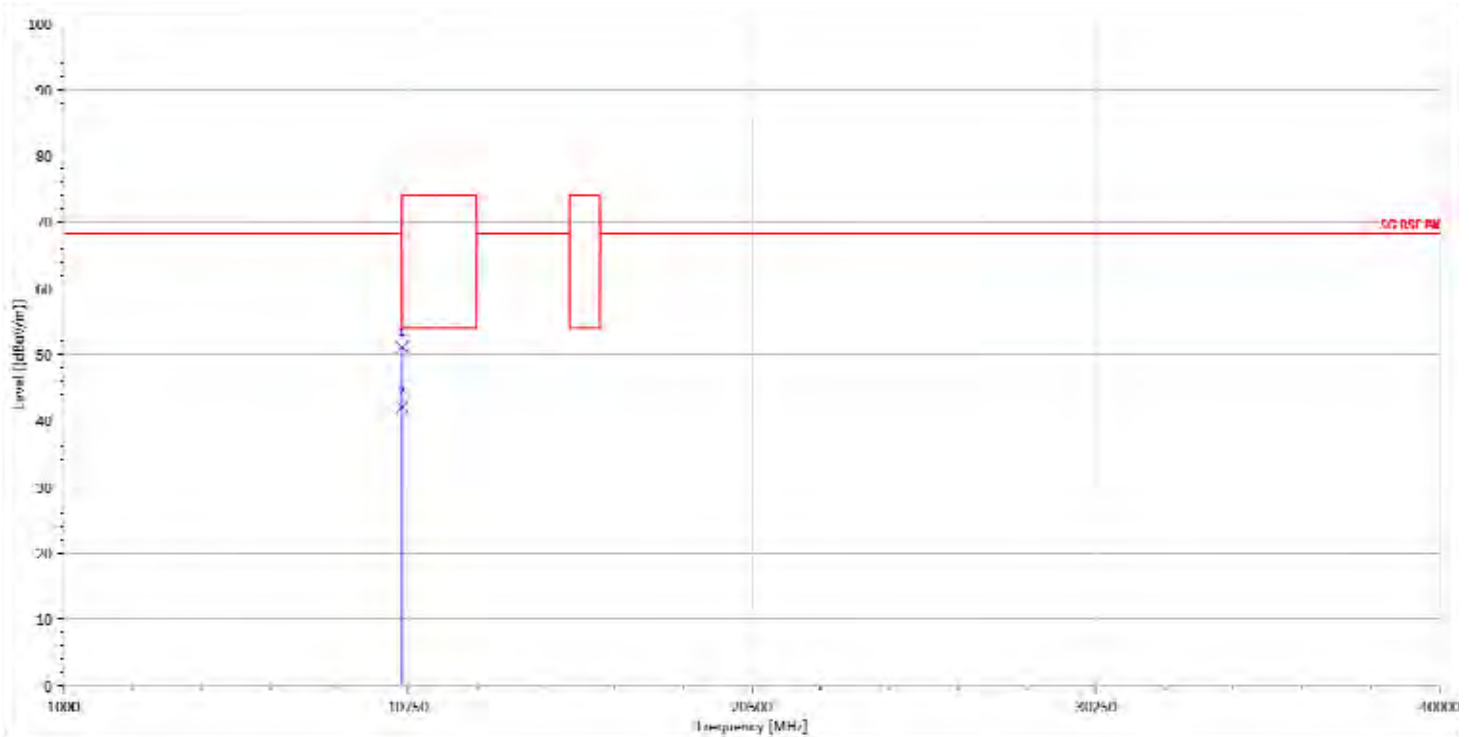
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	H	Peak	30.66	20.10	50.76	68.3	-17.54

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Operation Mode : 802.11aB2      Test Date : 2017/11/1  
 Fundamental Frequency : 5300 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Vertical



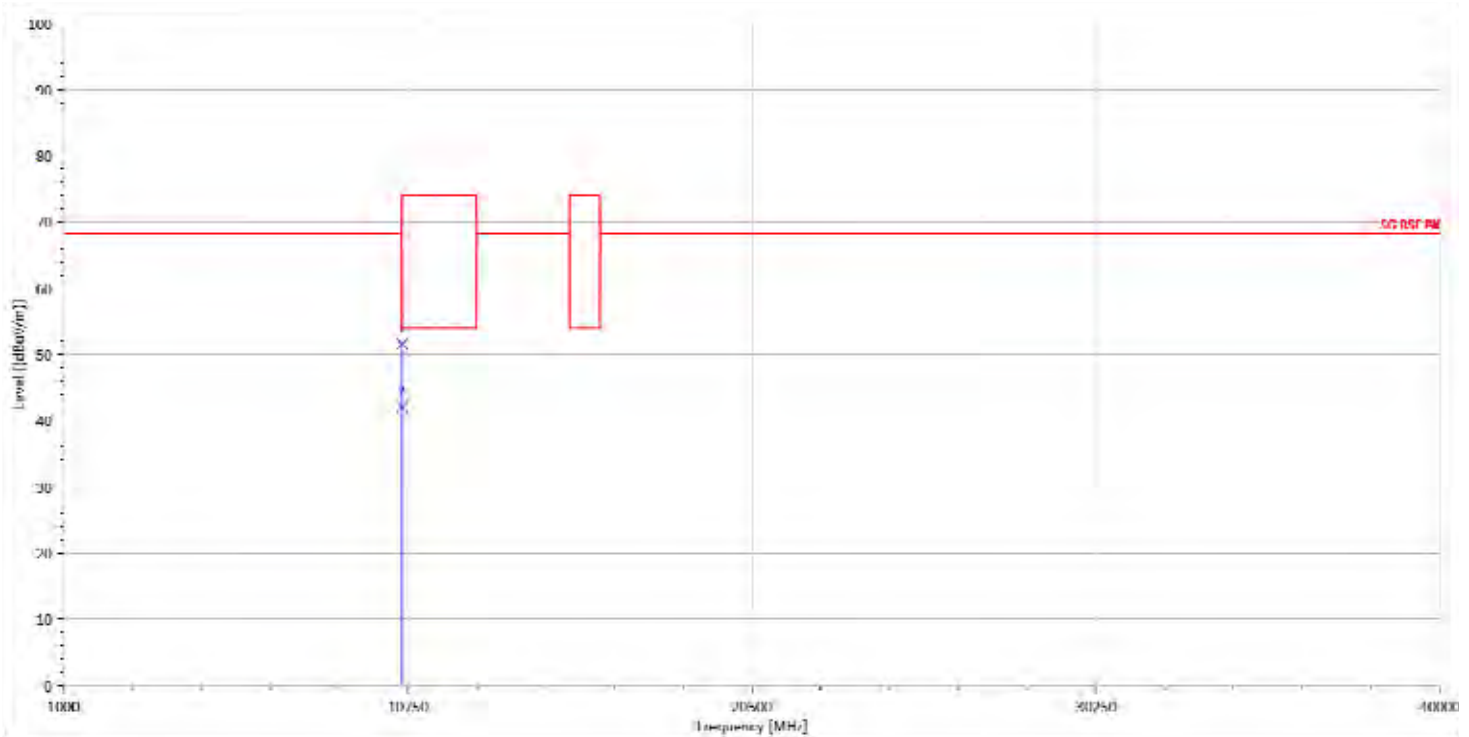
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	H	Peak	30.99	20.17	51.15	74	-22.85
10600.00	H	Average	21.91	20.17	42.08	54	-11.92

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Operation Mode : 802.11aB2      Test Date : 2017/11/1  
 Fundamental Frequency : 5300 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



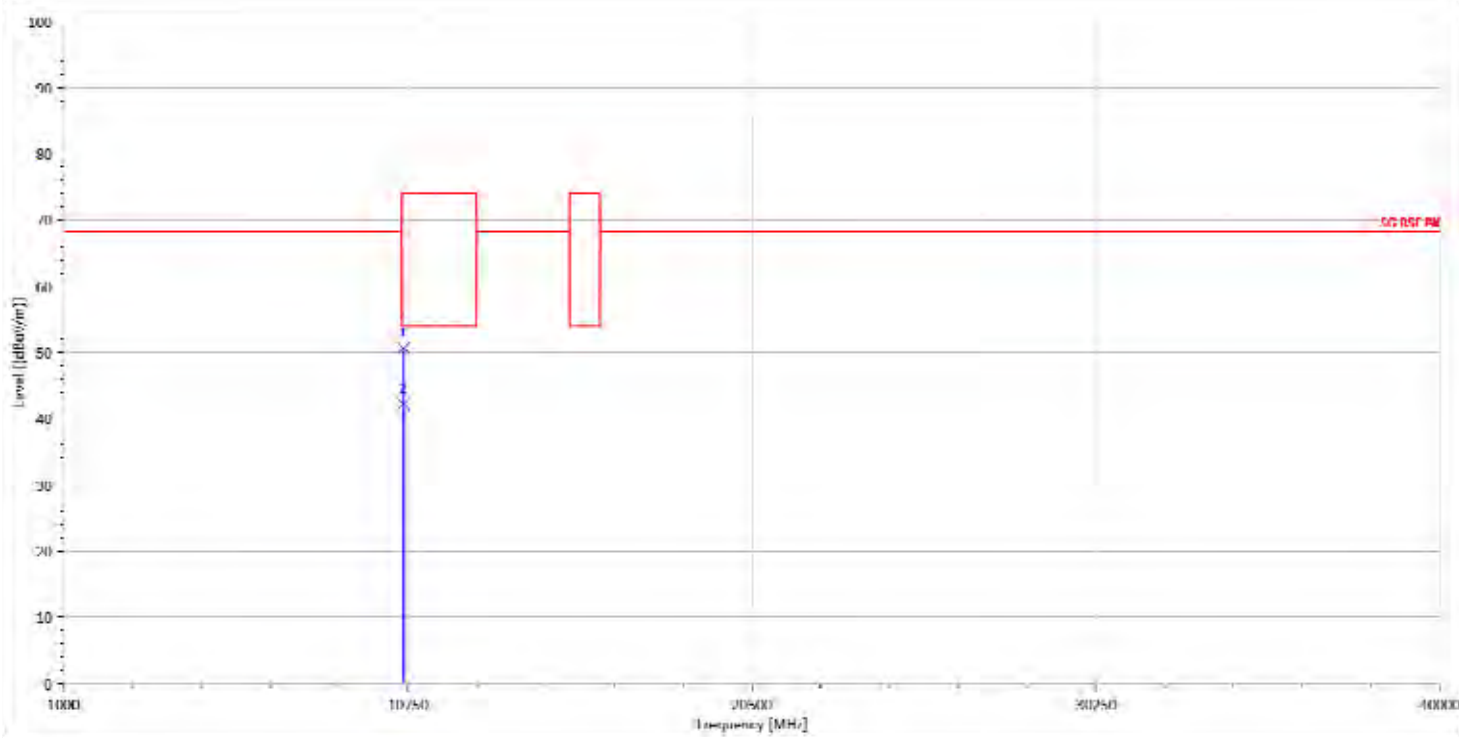
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	H	Peak	31.43	20.17	51.60	74	-22.40
10600.00	H	Average	21.95	20.17	42.12	54	-11.88

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Operation Mode :	802.11aB2	Test Date :	2017/11/1
Fundamental Frequency :	5320 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



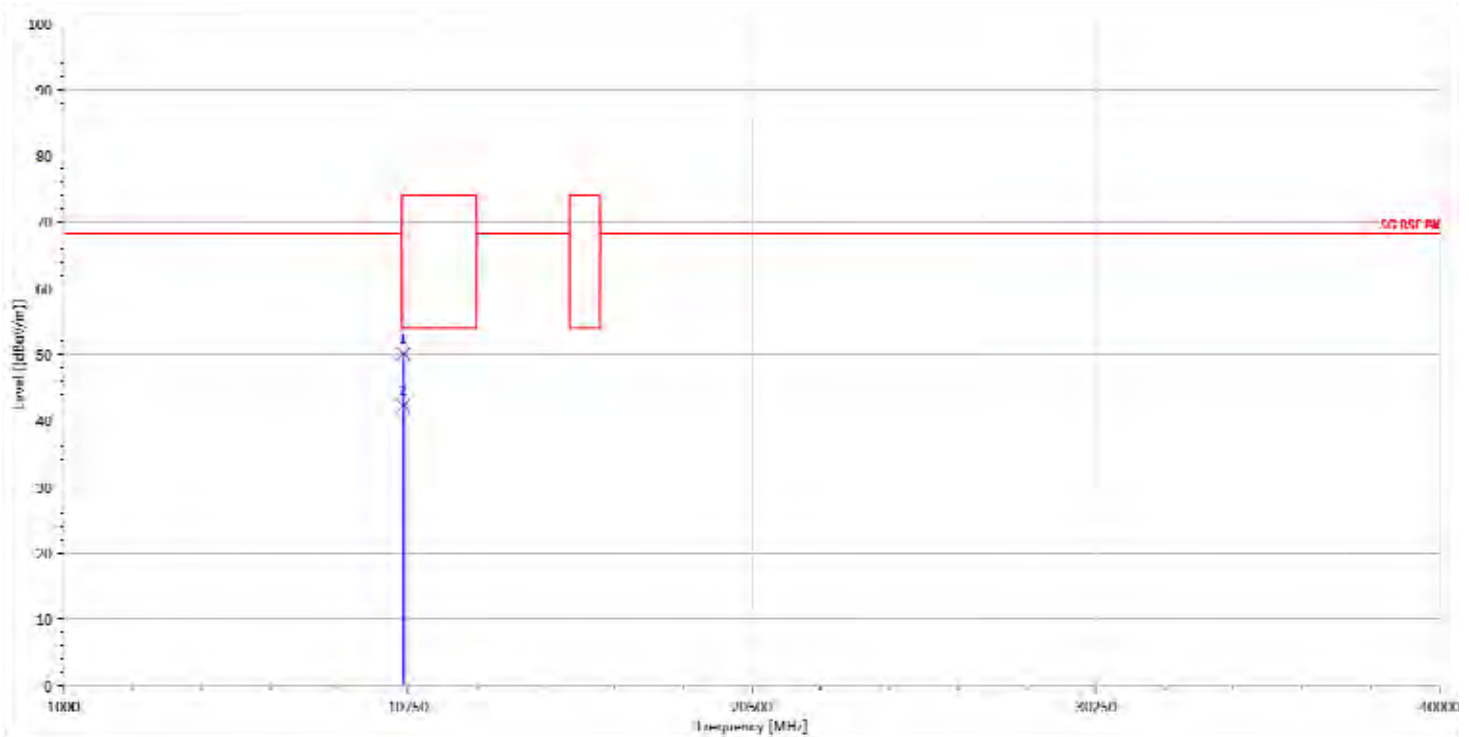
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	H	Peak	30.32	20.34	50.67	74	-23.33
10640.00	H	Average	21.89	20.34	42.23	54	-11.77

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Operation Mode : 802.11aB2      Test Date : 2017/11/1  
 Fundamental Frequency : 5320 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH HIGH      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	H	Peak	29.75	20.34	50.09	74	-23.91
10640.00	H	Average	21.94	20.34	42.28	54	-11.72

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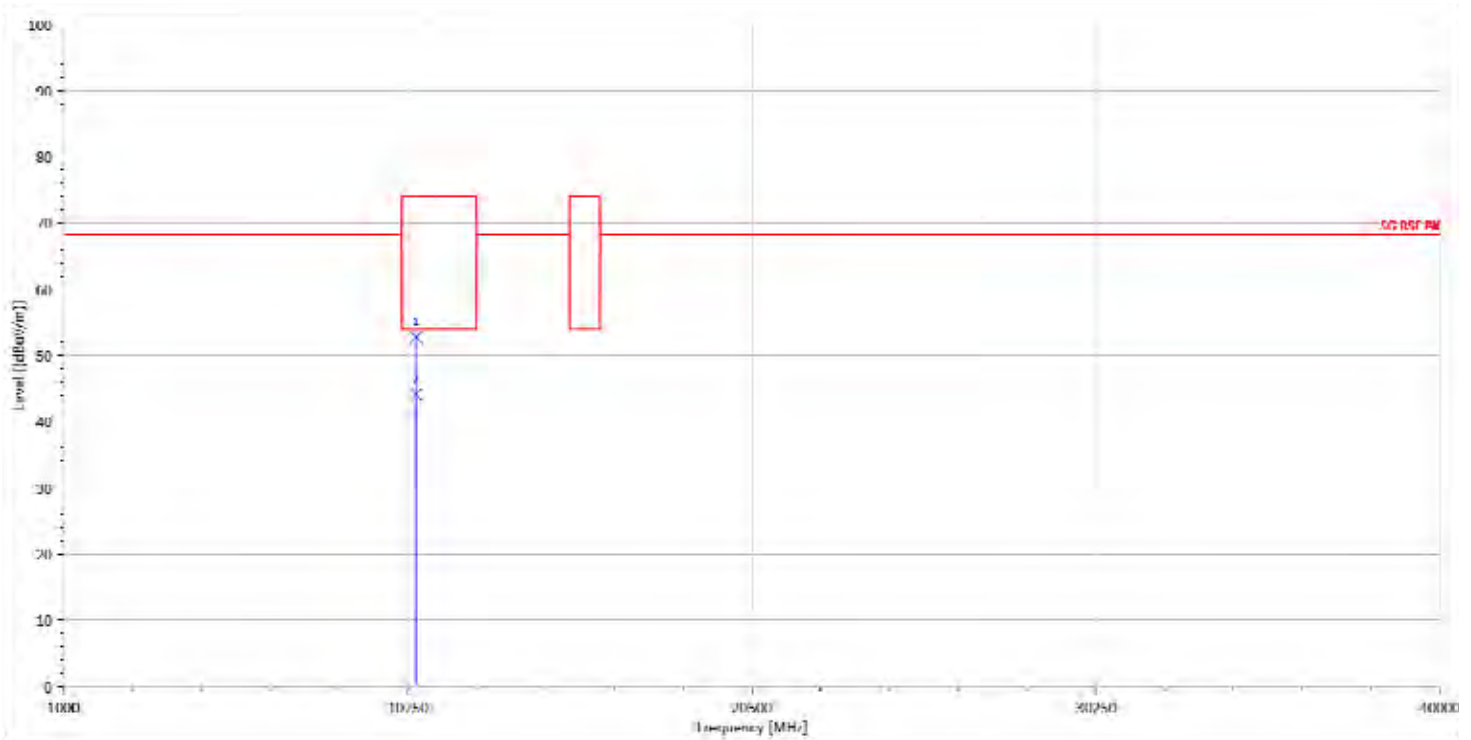
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### Radiated Spurious Emission Measurement Result 802.11a, 5470~5725 MHz

Operation Mode :	802.11aB3	Test Date :	2017/11/1
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



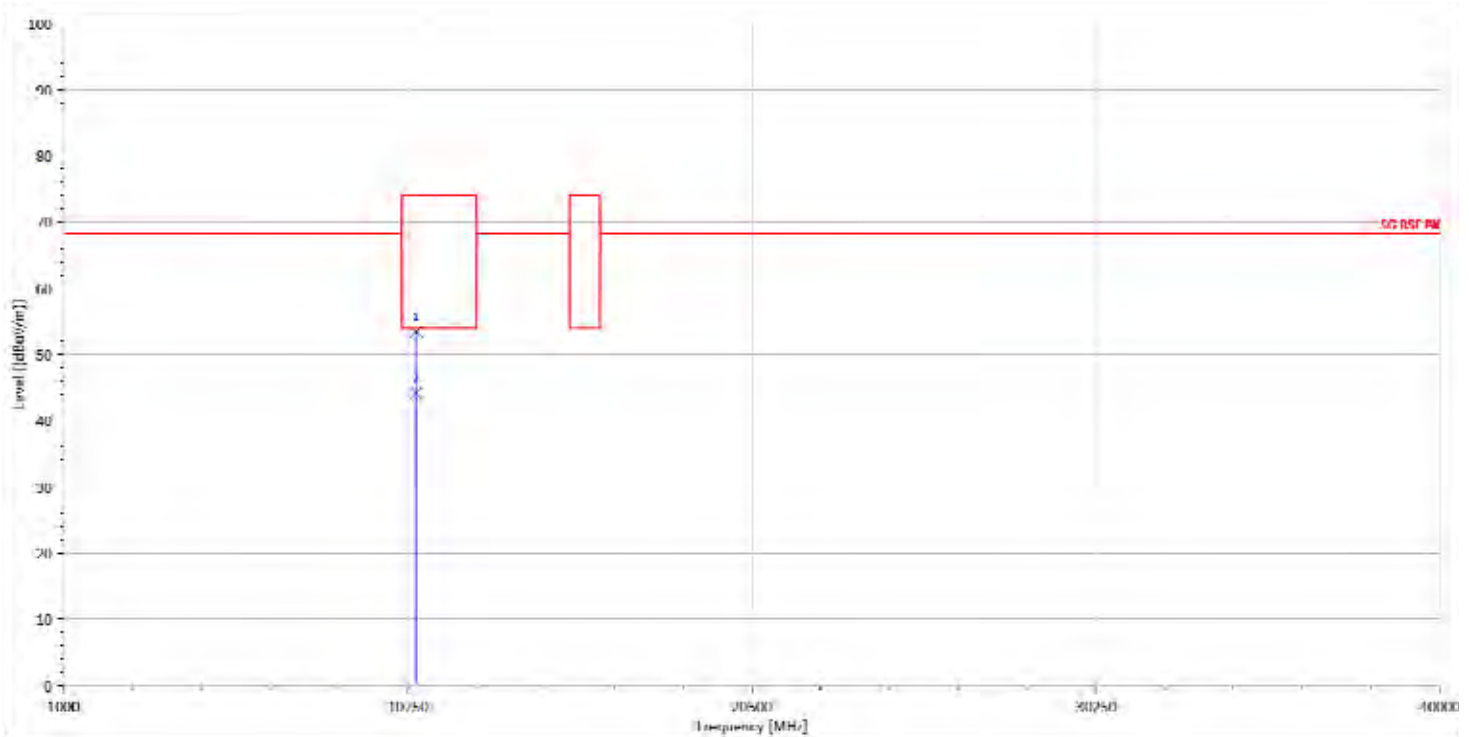
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	H	Peak	30.65	22.11	52.76	74	-21.24
11000.00	H	Average	22.02	22.11	44.13	54	-9.87

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Operation Mode :	802.11aB3	Test Date :	2017/11/1
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



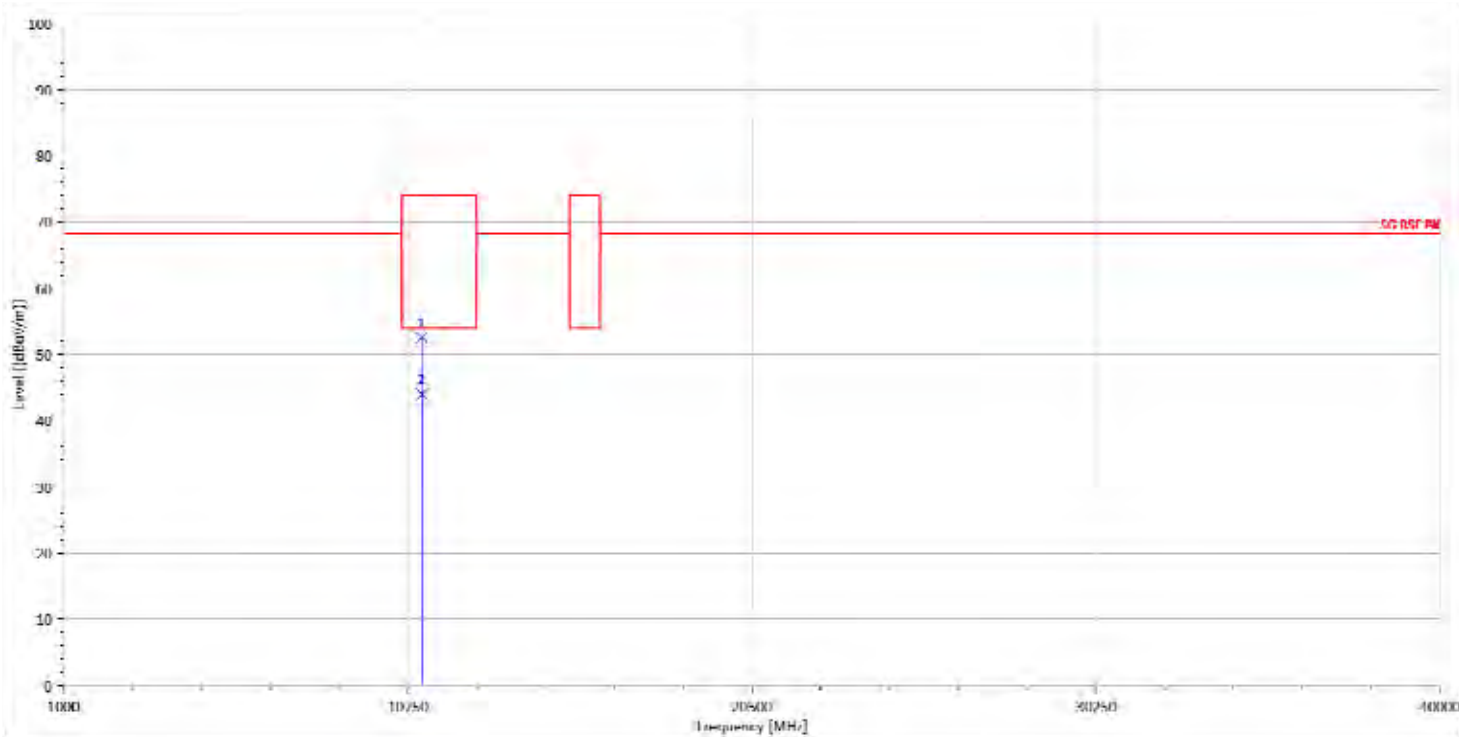
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	H	Peak	31.34	22.11	53.44	74	-20.56
11000.00	H	Average	22.05	22.11	44.16	54	-9.84

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Operation Mode : 802.11aB3      Test Date : 2017/11/1  
 Fundamental Frequency : 5580 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Vertical



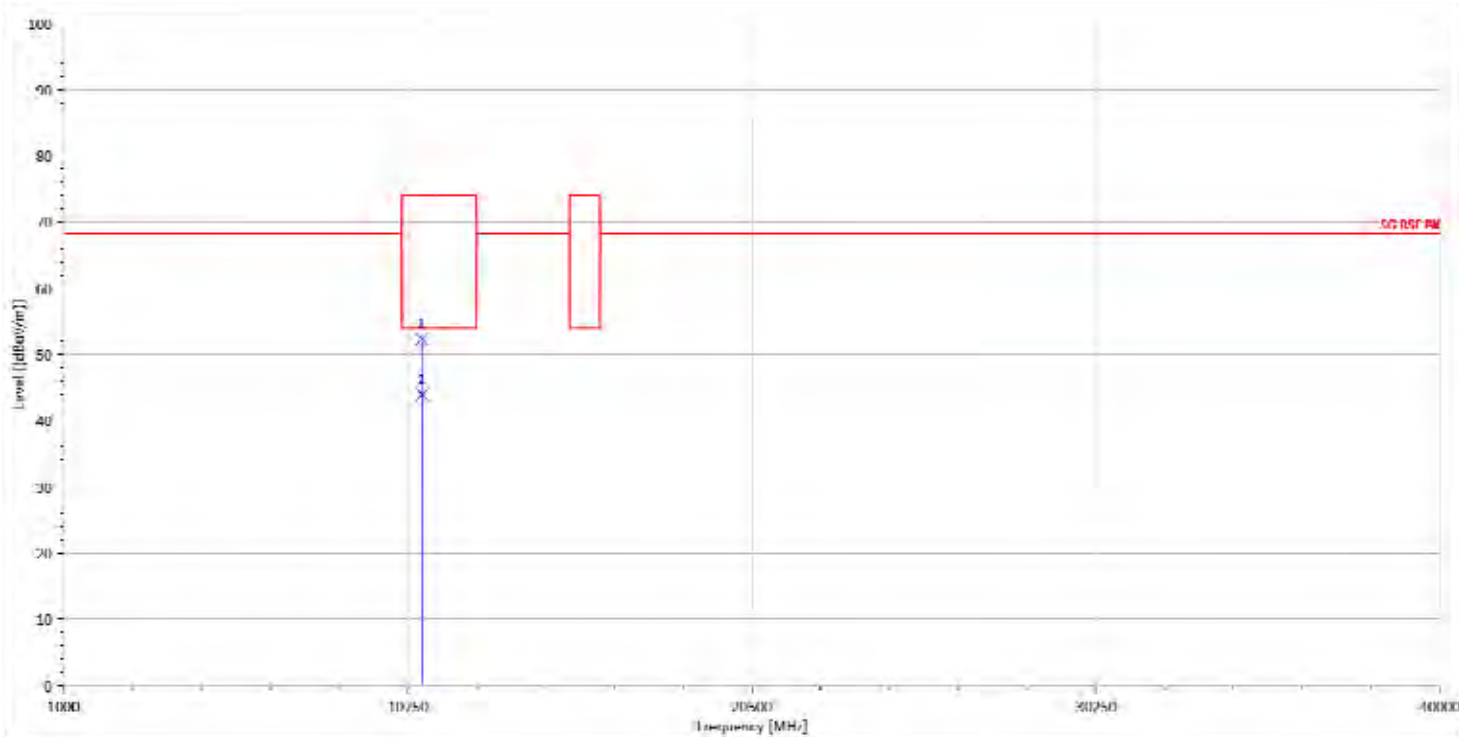
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	H	Peak	30.52	22.04	52.56	74	-21.44
11160.00	H	Average	21.97	22.04	44.01	54	-9.99

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Operation Mode : 802.11aB3      Test Date : 2017/11/1  
 Fundamental Frequency : 5580 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



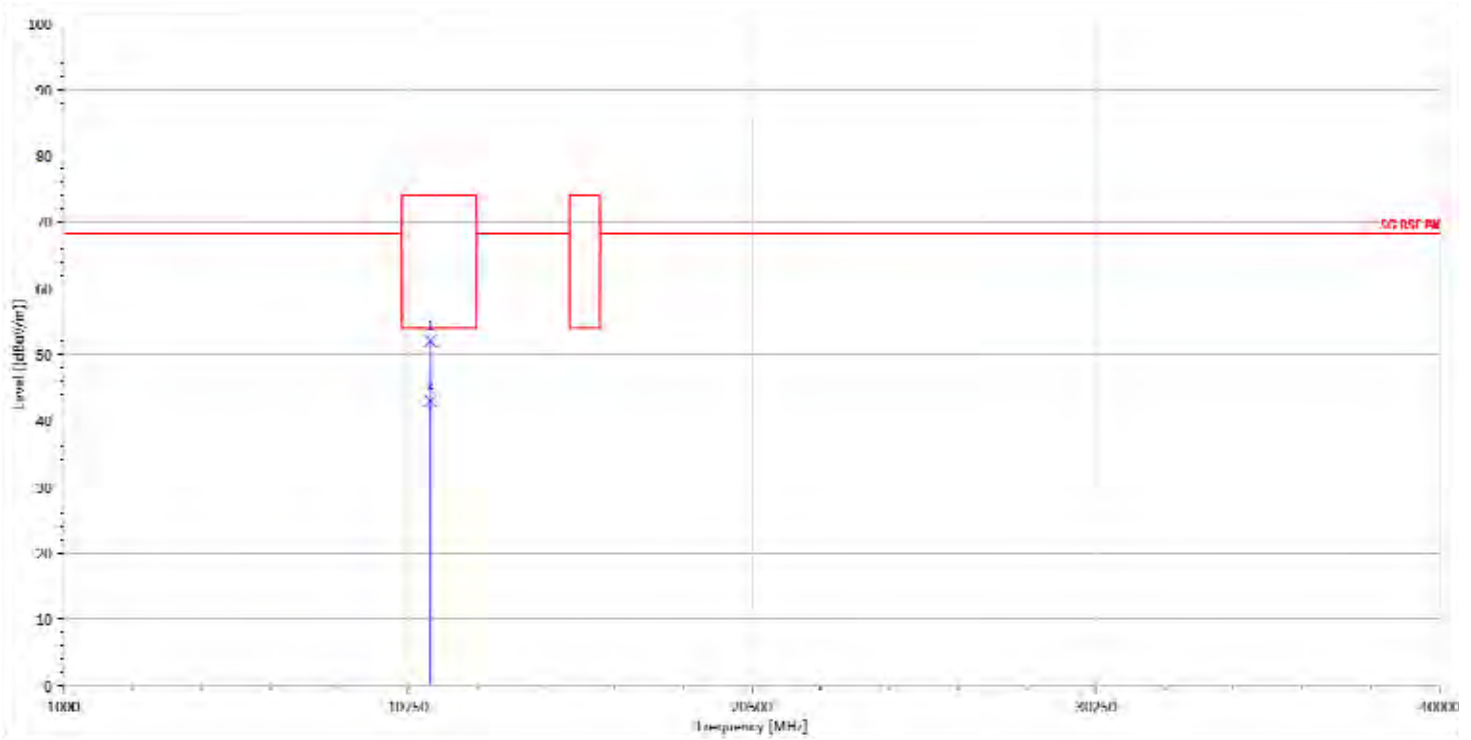
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	H	Peak	30.31	22.04	52.35	74	-21.65
11160.00	H	Average	21.93	22.04	43.97	54	-10.03

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Operation Mode :	802.11aB3	Test Date :	2017/11/1
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



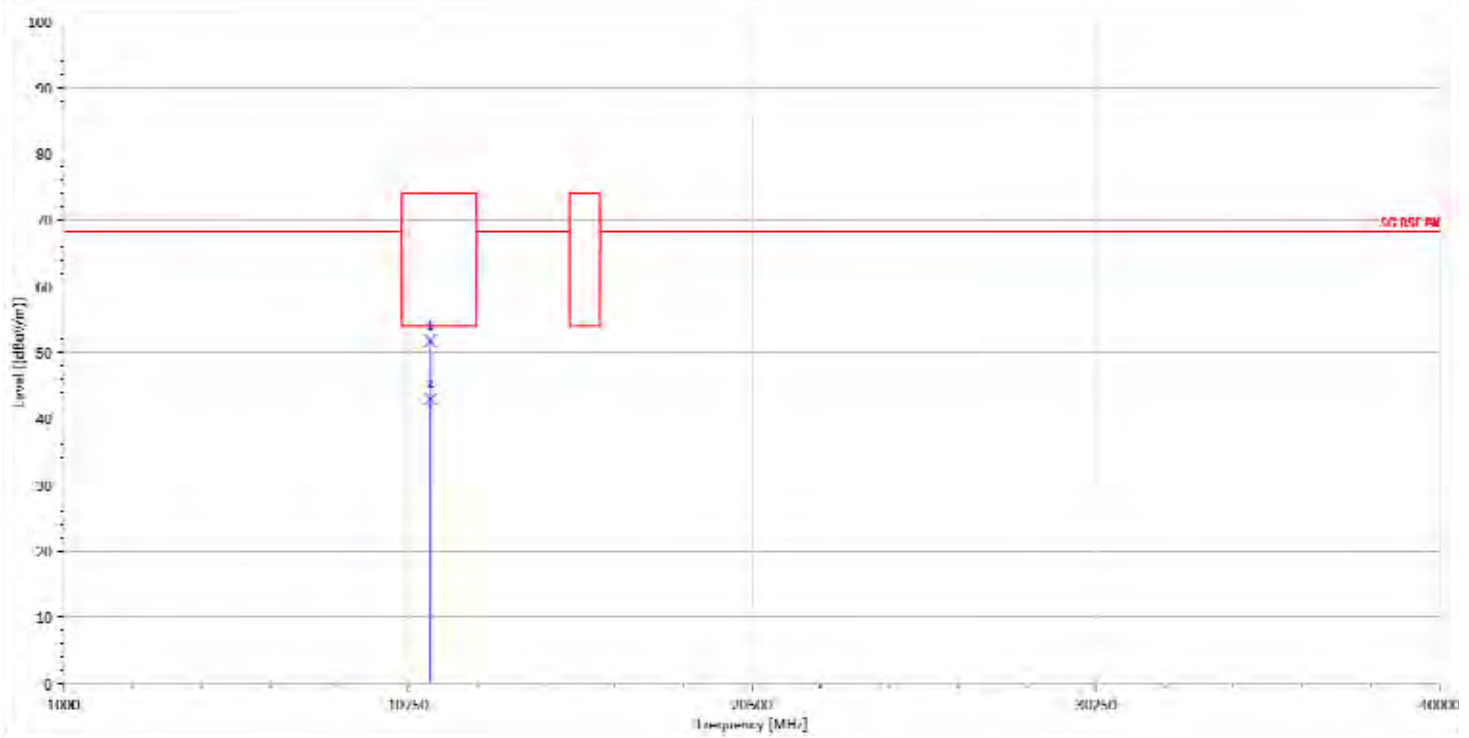
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	H	Peak	30.88	21.22	52.09	74	-21.91
11400.00	H	Average	21.78	21.22	43.00	54	-11.00

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Operation Mode :	802.11aB3	Test Date :	2017/11/1
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	H	Peak	30.55	21.22	51.76	74	-22.24
11400.00	H	Average	21.75	21.22	42.97	54	-11.03

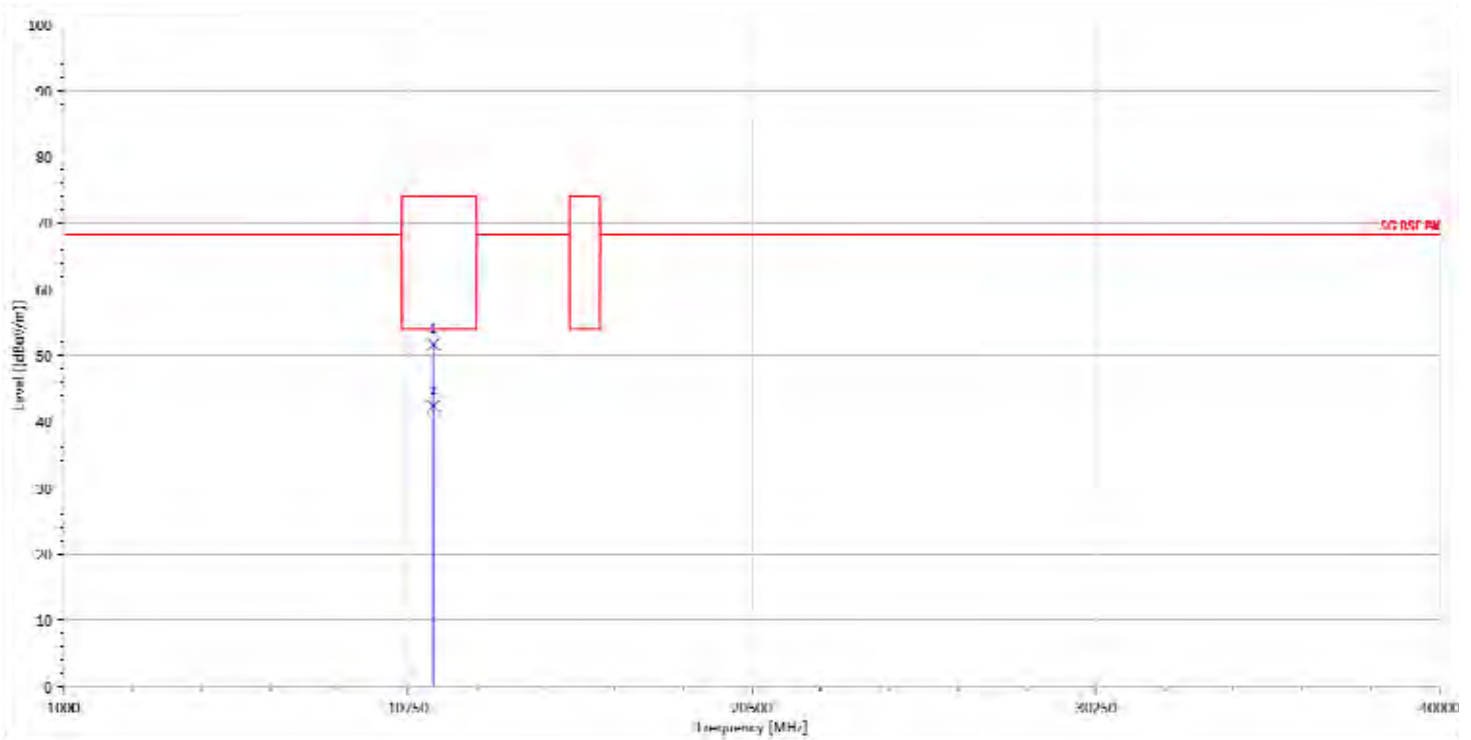
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### Radiated Spurious Emission Measurement Result 802.11a, 5725~5850 MHz

Operation Mode :	802.11aB4	Test Date :	2017/11/1
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



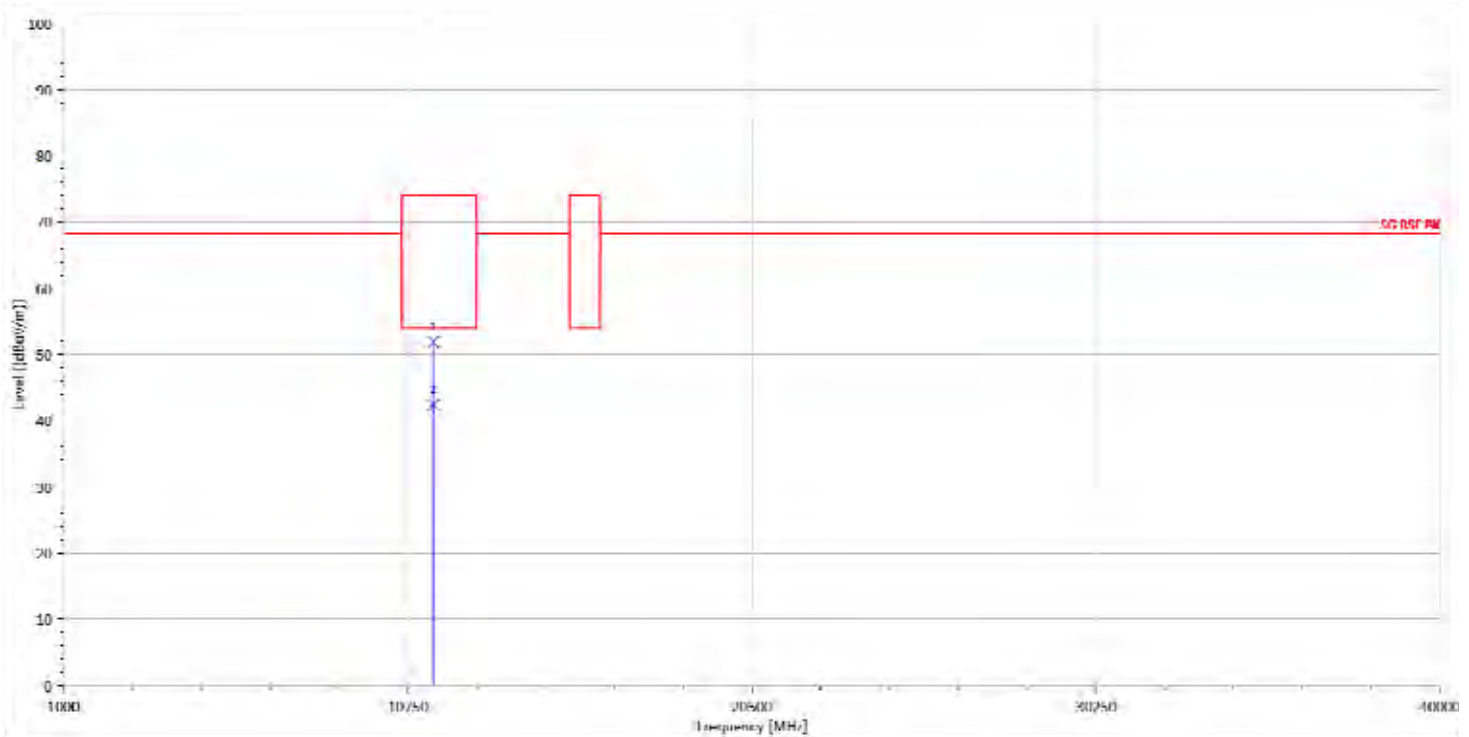
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	H	Peak	30.99	20.70	51.69	74	-22.31
11490.00	H	Average	21.67	20.70	42.37	54	-11.63

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Operation Mode :	802.11aB4	Test Date :	2017/11/1
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	H	Peak	31.18	20.70	51.89	74	-22.11
11490.00	H	Average	21.69	20.70	42.39	54	-11.61

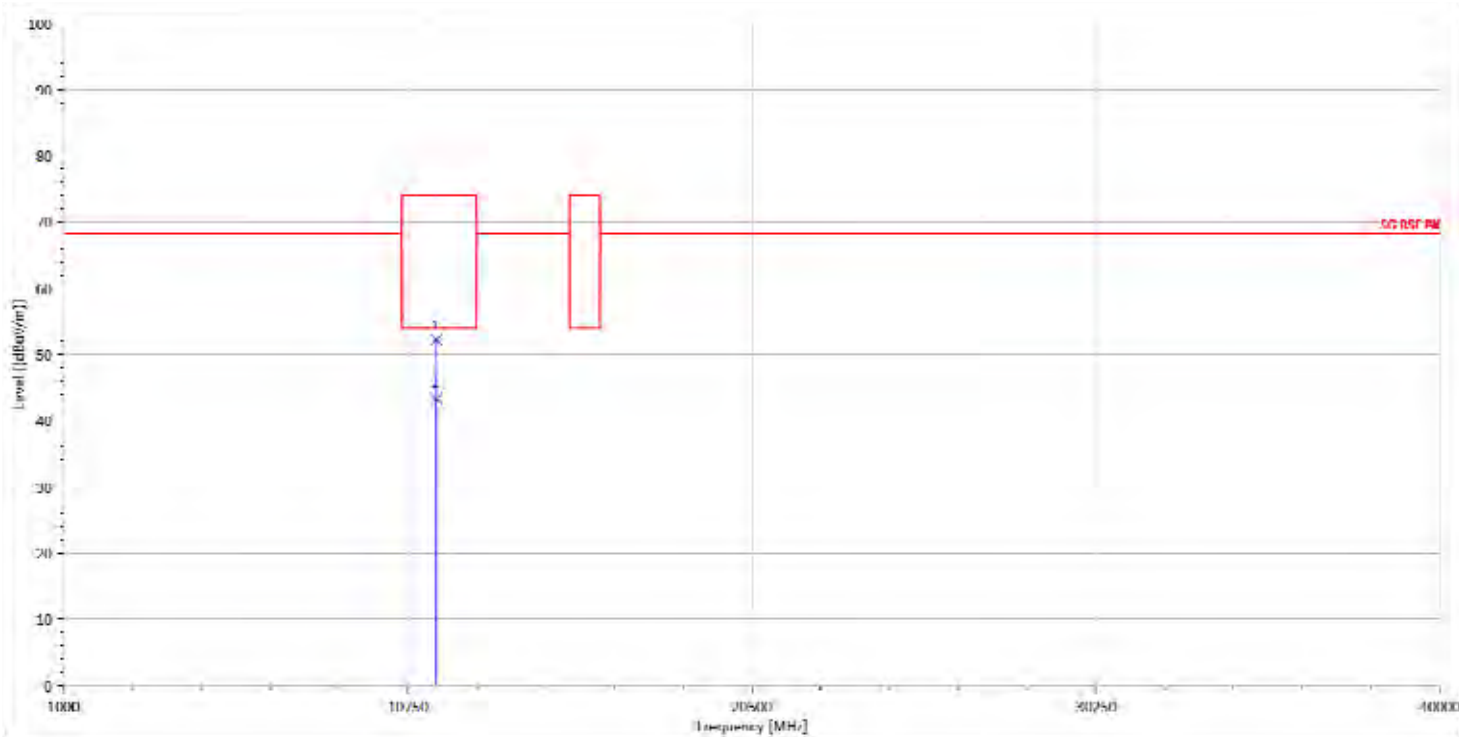
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Operation Mode : 802.11aB4      Test Date : 2017/11/1  
 Fundamental Frequency : 5785 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Vertical



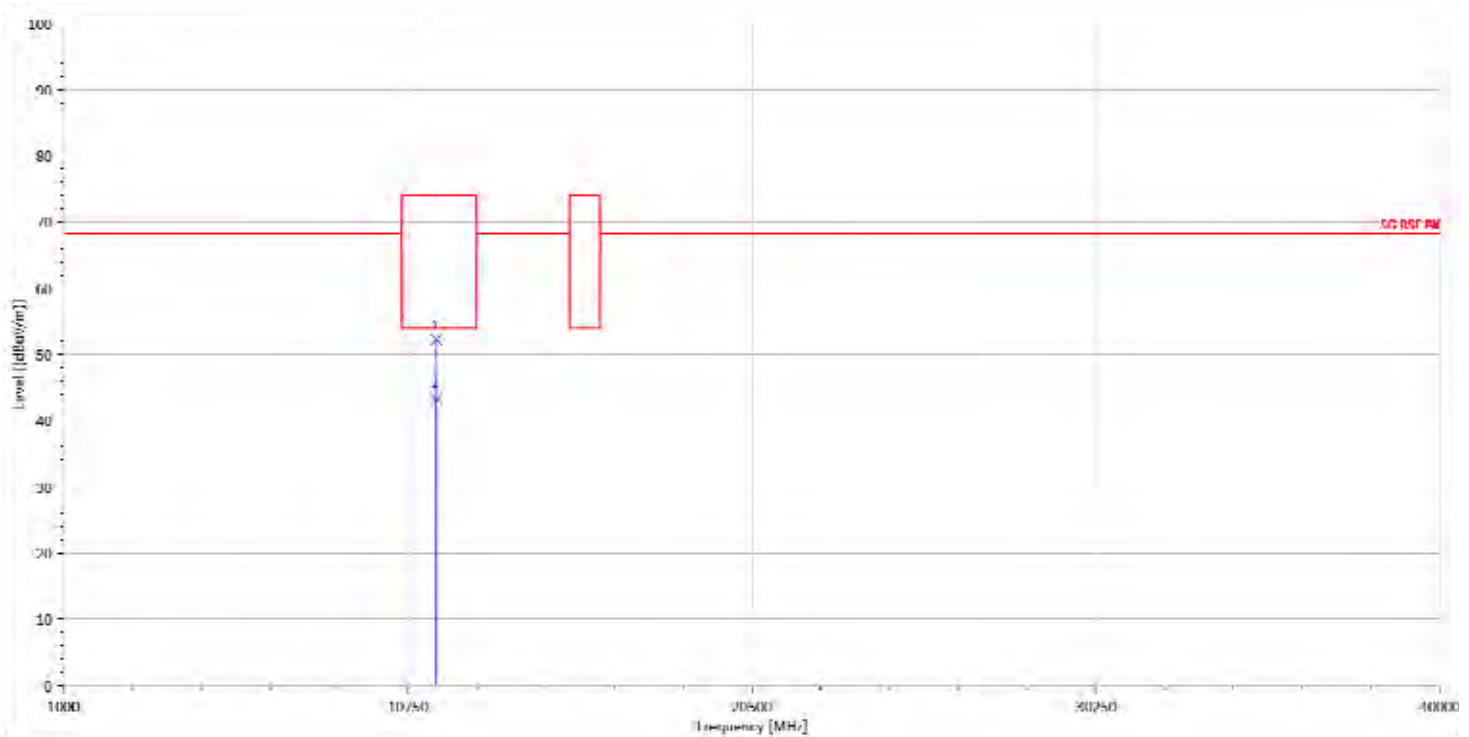
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	H	Peak	30.77	21.44	52.21	74	-21.79
11570.00	H	Average	21.88	21.44	43.32	54	-10.68

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Operation Mode : 802.11aB4      Test Date : 2017/11/1  
 Fundamental Frequency : 5785 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



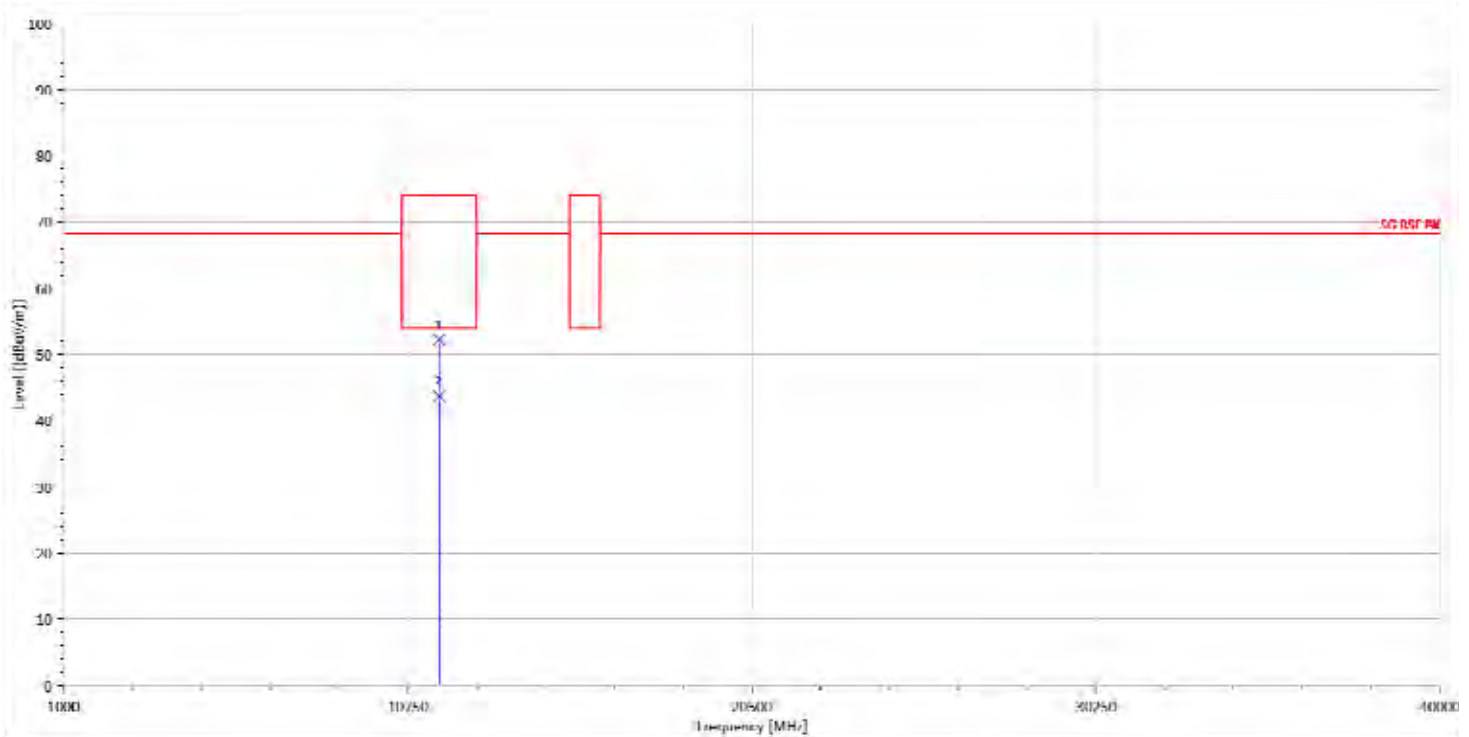
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	H	Peak	30.82	21.44	52.26	74	-21.74
11570.00	H	Average	21.87	21.44	43.31	54	-10.69

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Operation Mode :	802.11aB4	Test Date :	2017/11/1
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



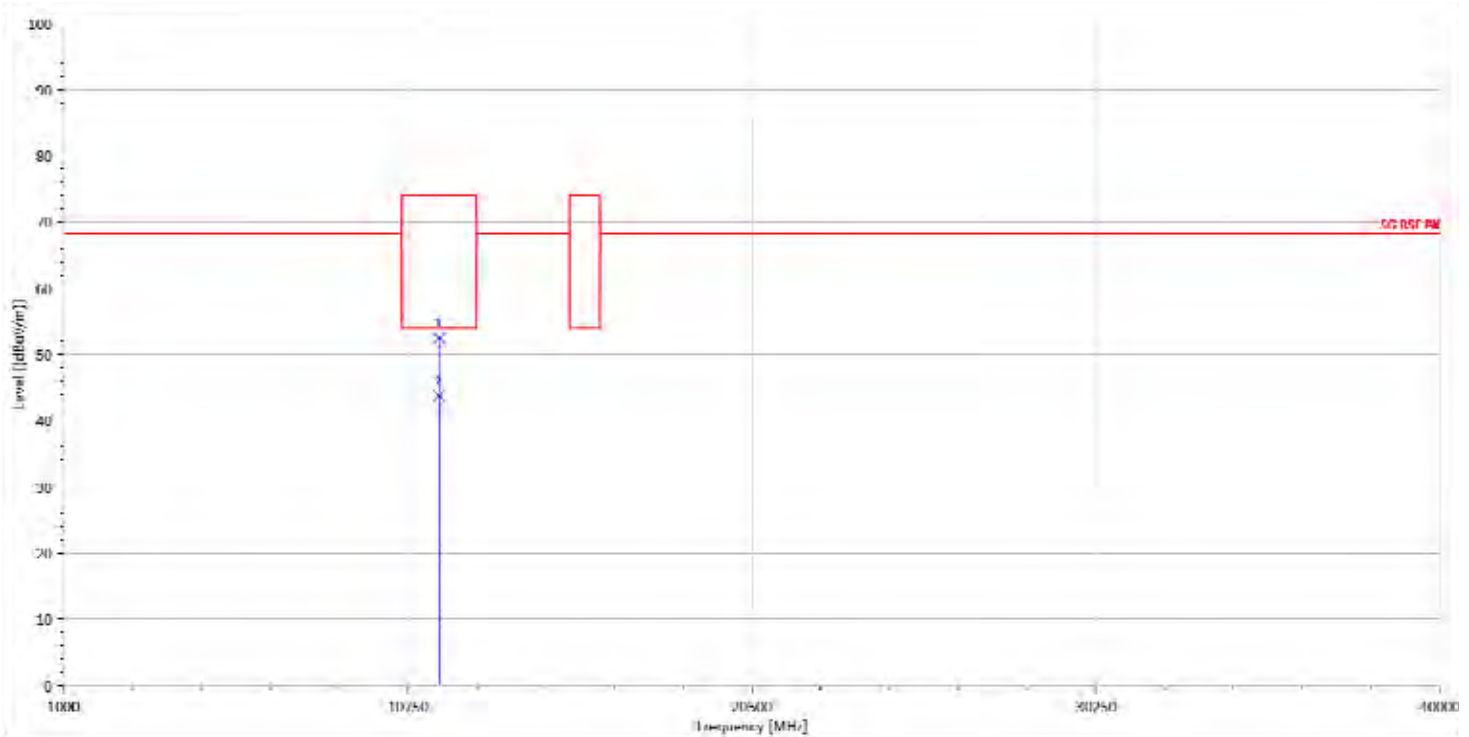
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	H	Peak	30.25	22.02	52.27	74	-21.73
11650.00	H	Average	21.72	22.02	43.74	54	-10.26

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Operation Mode :	802.11aB4	Test Date :	2017/11/1
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	H	Peak	30.44	22.02	52.46	74	-21.54
11650.00	H	Average	21.76	22.02	43.78	54	-10.22

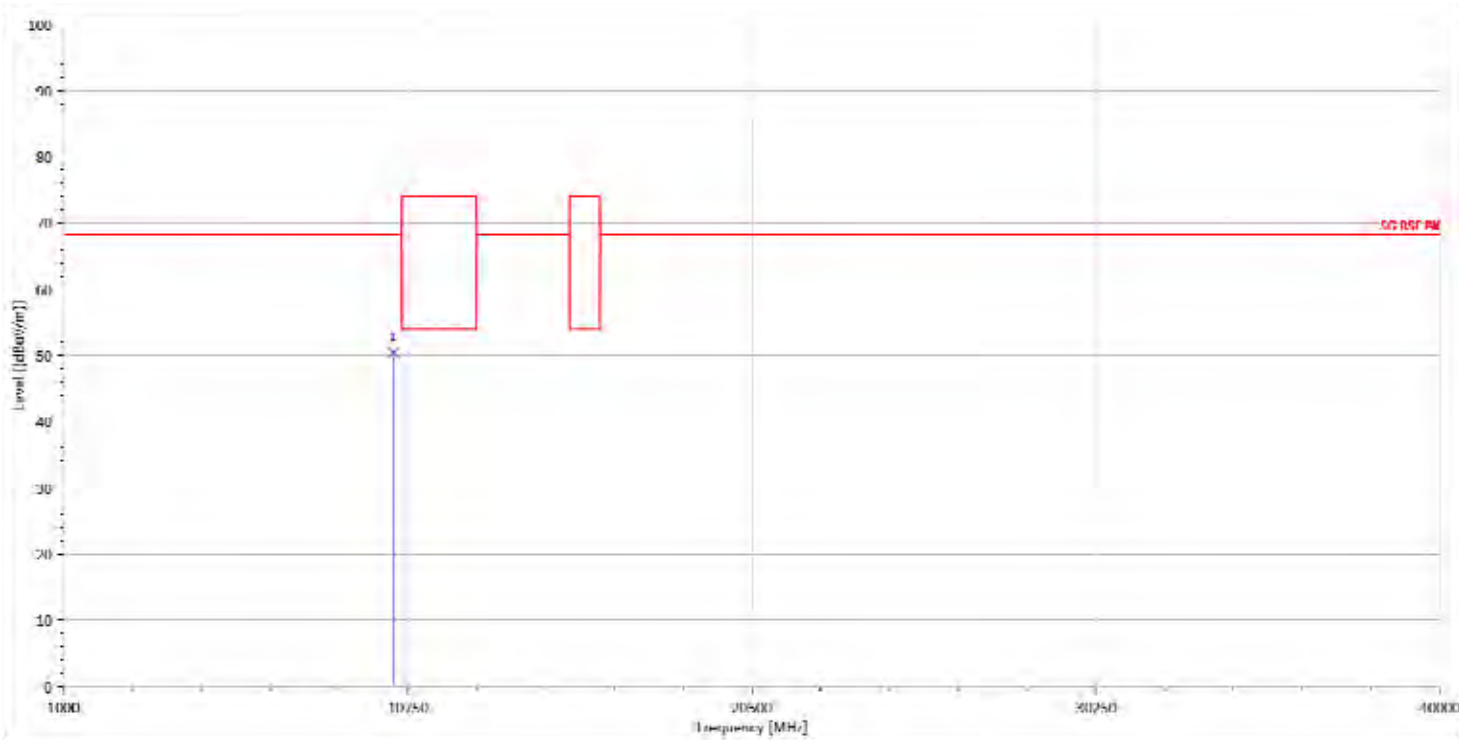
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### Radiated Spurious Emission Measurement Result 802.11n HT20, 5150~5250 MHz

Operation Mode :	802.11n20B1	Test Date :	2017/11/1
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



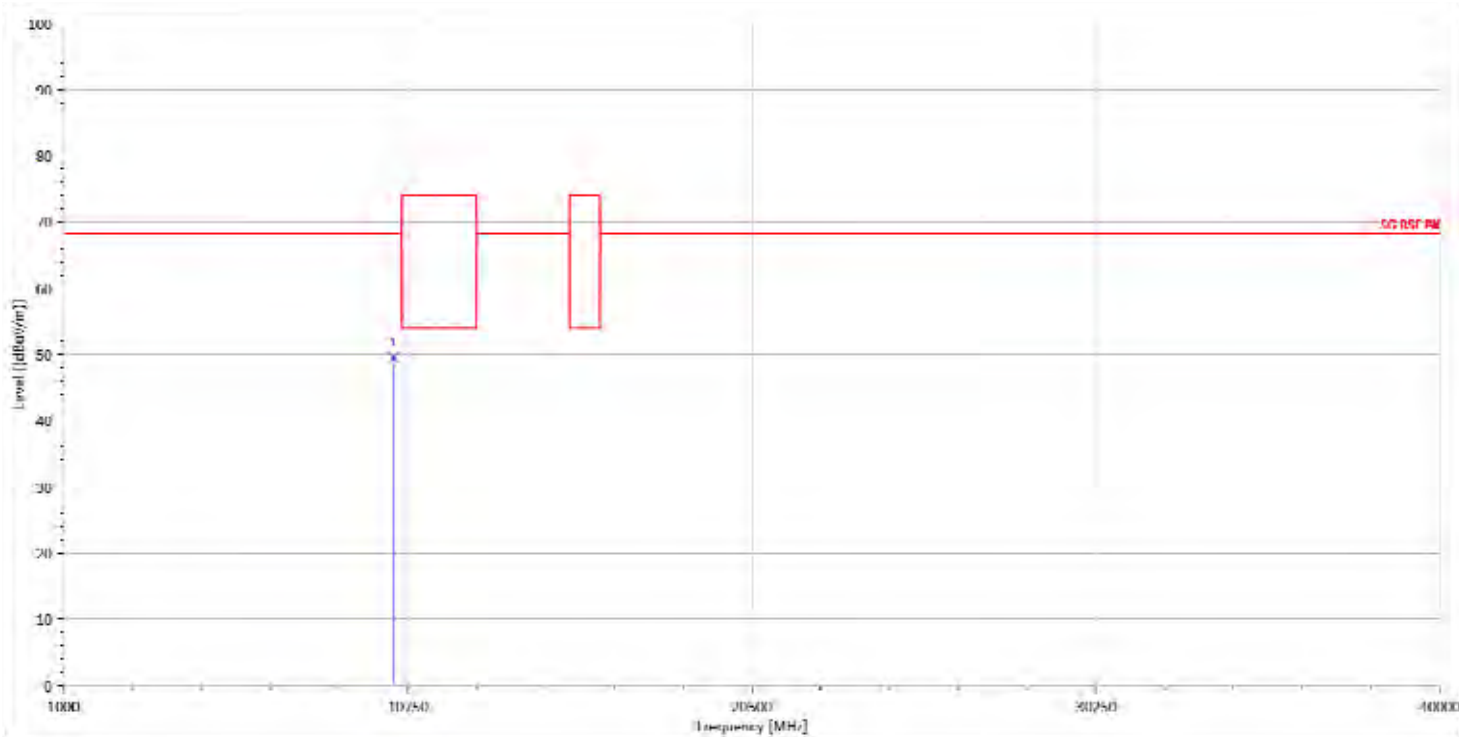
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	H	Peak	30.30	20.18	50.47	68.3	-17.83

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Operation Mode :	802.11n20B1	Test Date :	2017/11/1
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



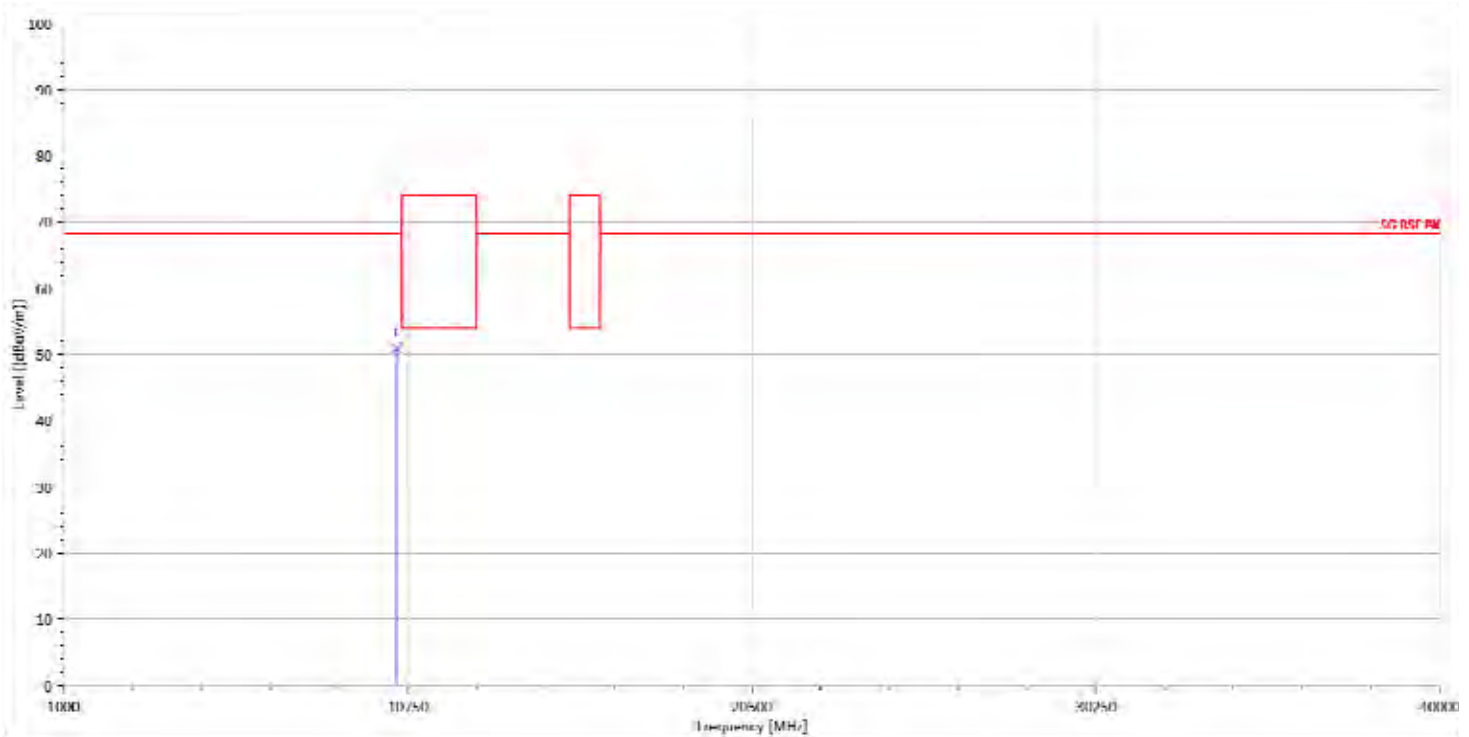
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	H	Peak	29.40	20.18	49.58	68.3	-18.72

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Operation Mode :	802.11n20B1	Test Date :	2017/11/1
Fundamental Frequency :	5220 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



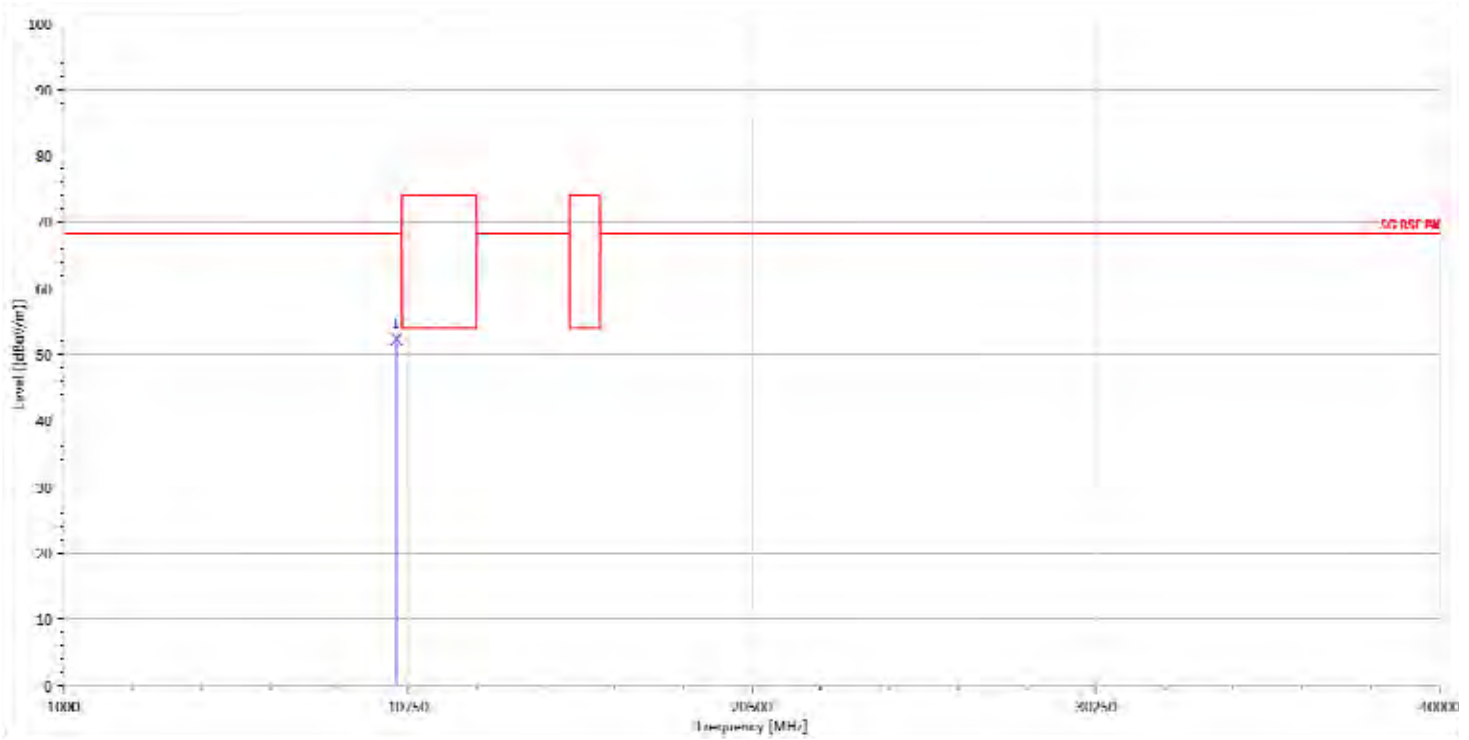
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	H	Peak	30.71	20.29	51.00	68.3	-17.30

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Operation Mode :	802.11n20B1	Test Date :	2017/11/1
Fundamental Frequency :	5220 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	H	Peak	32.04	20.29	52.34	68.3	-15.96

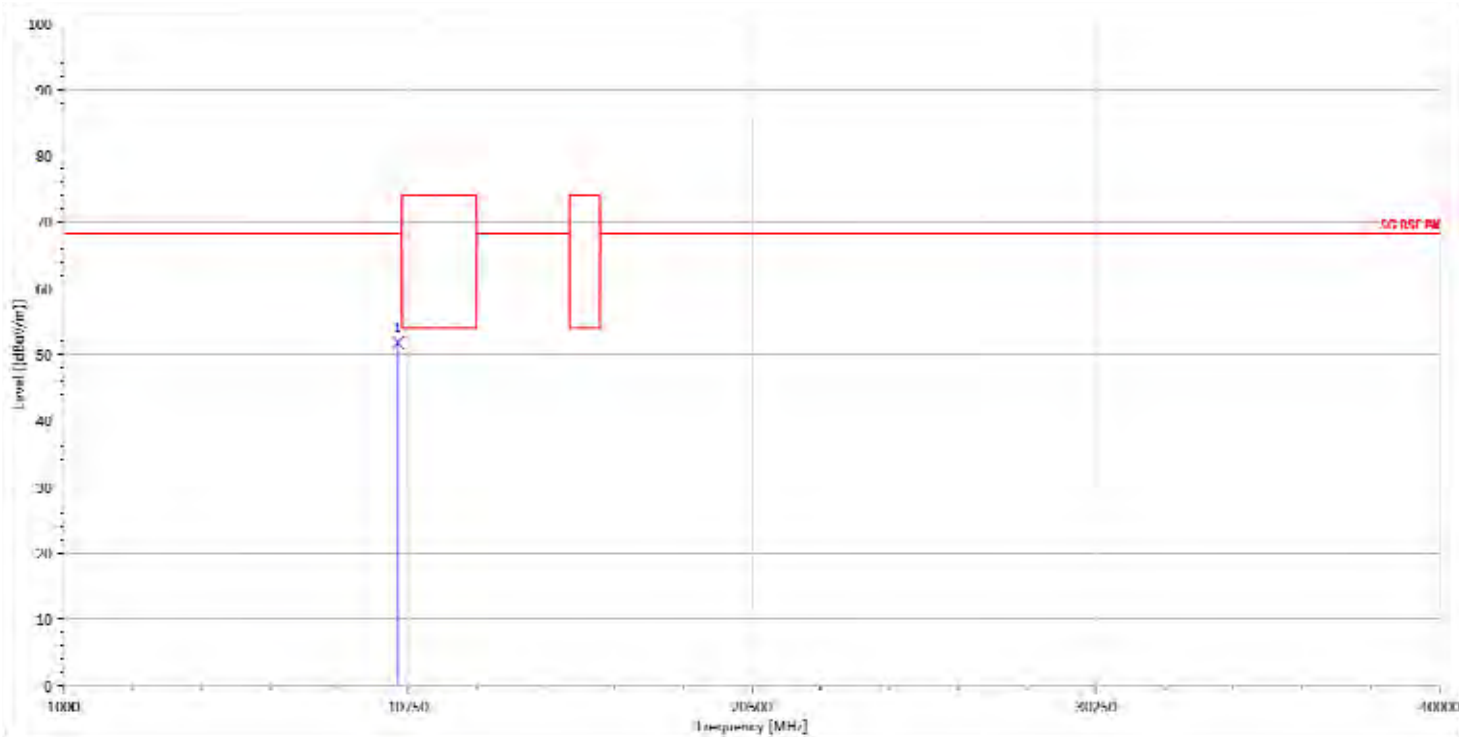
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Operation Mode :	802.11n20B1	Test Date :	2017/11/1
Fundamental Frequency :	5240 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



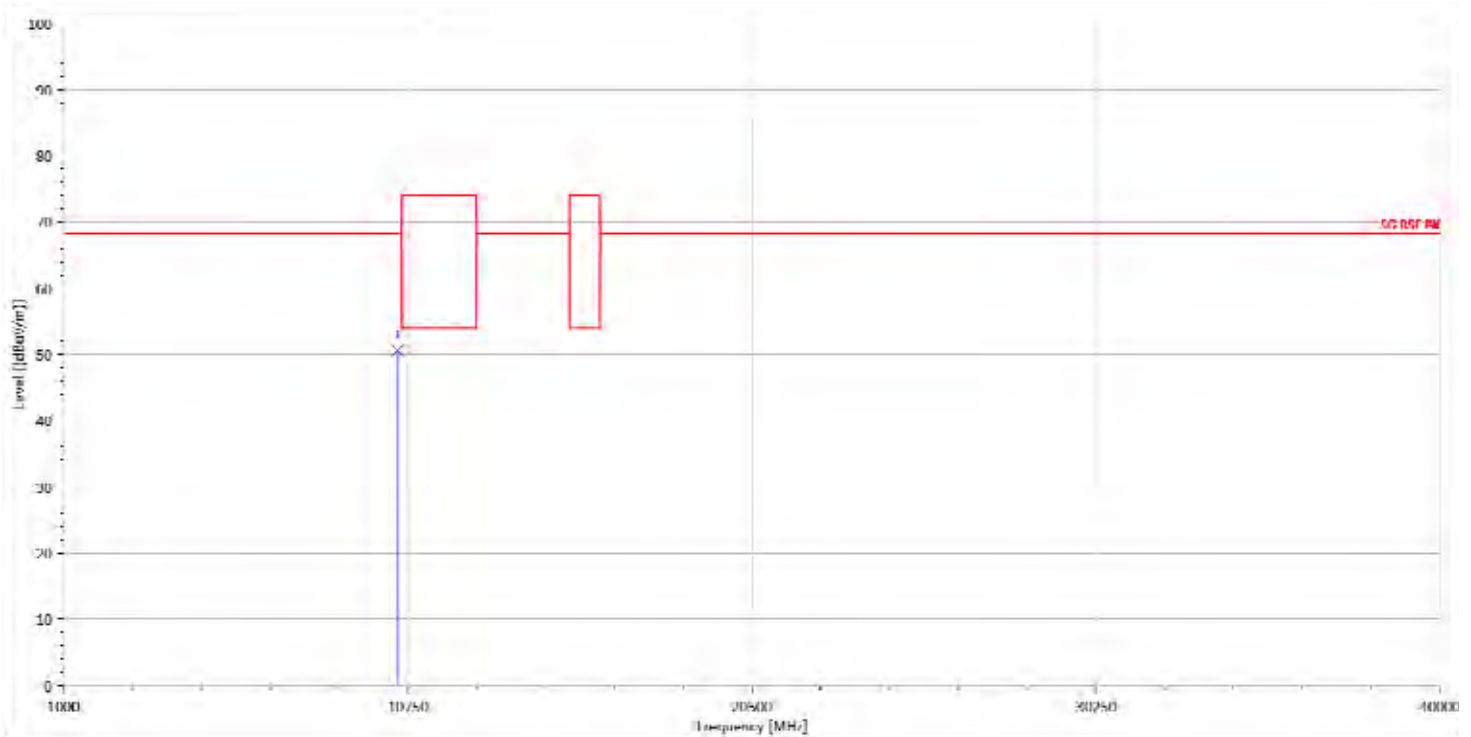
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	H	Peak	31.12	20.68	51.80	68.3	-16.50

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Operation Mode :	802.11n20B1	Test Date :	2017/11/1
Fundamental Frequency :	5240 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	H	Peak	29.94	20.68	50.62	68.3	-17.68

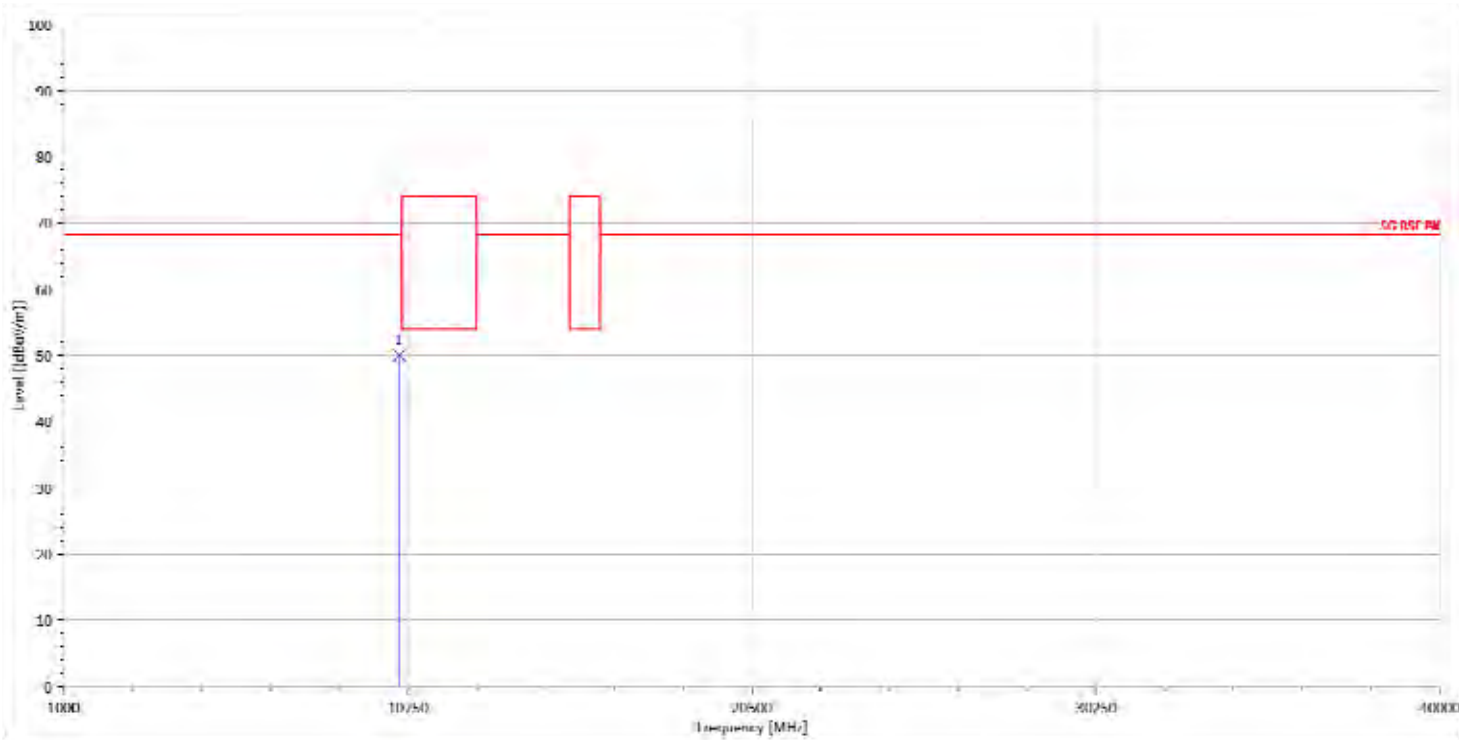
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### Radiated Spurious Emission Measurement Result 802.11n HT20, 5250~5350 MHz

Operation Mode :	802.11n20B2	Test Date :	2017/11/1
Fundamental Frequency :	5260 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



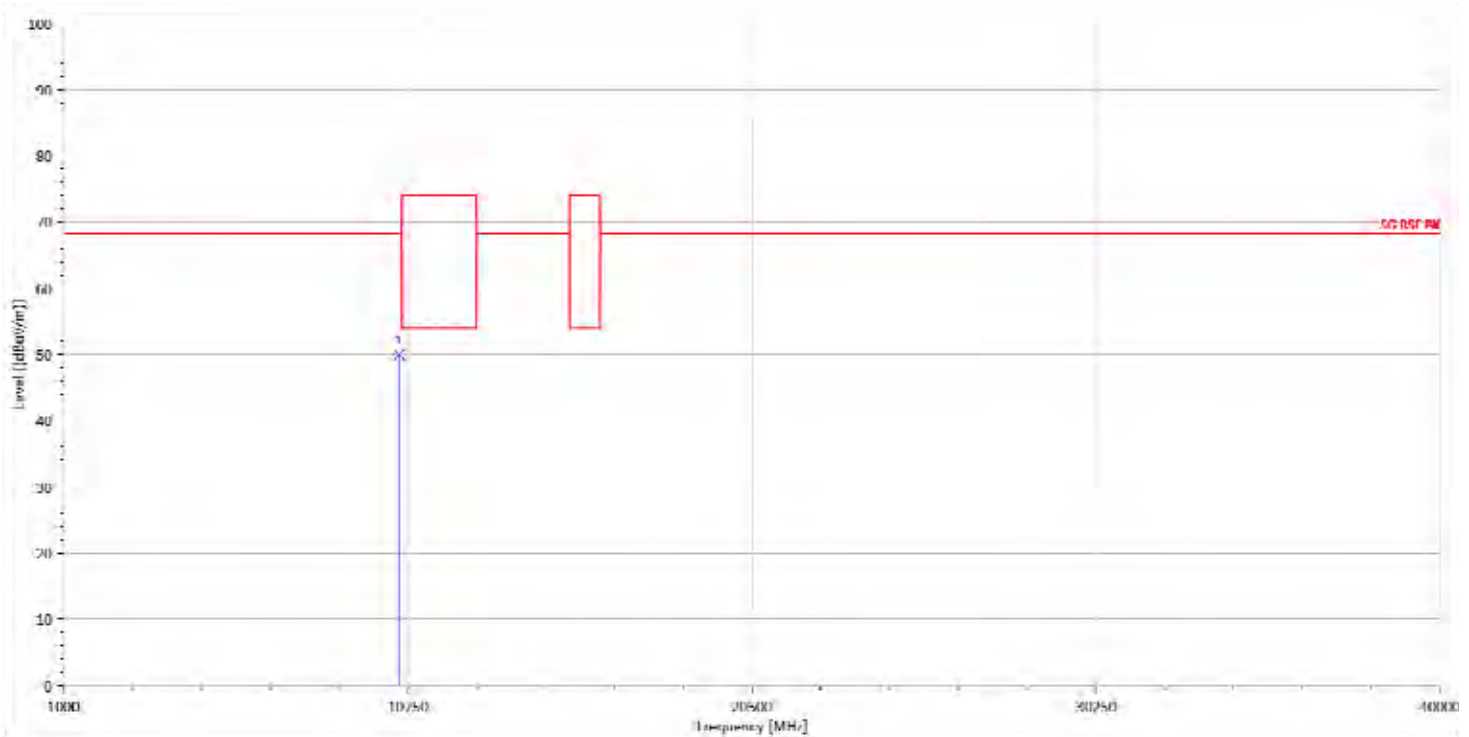
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	H	Peak	29.93	20.10	50.03	68.3	-18.27

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Operation Mode :	802.11n20B2	Test Date :	2017/11/1
Fundamental Frequency :	5260 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



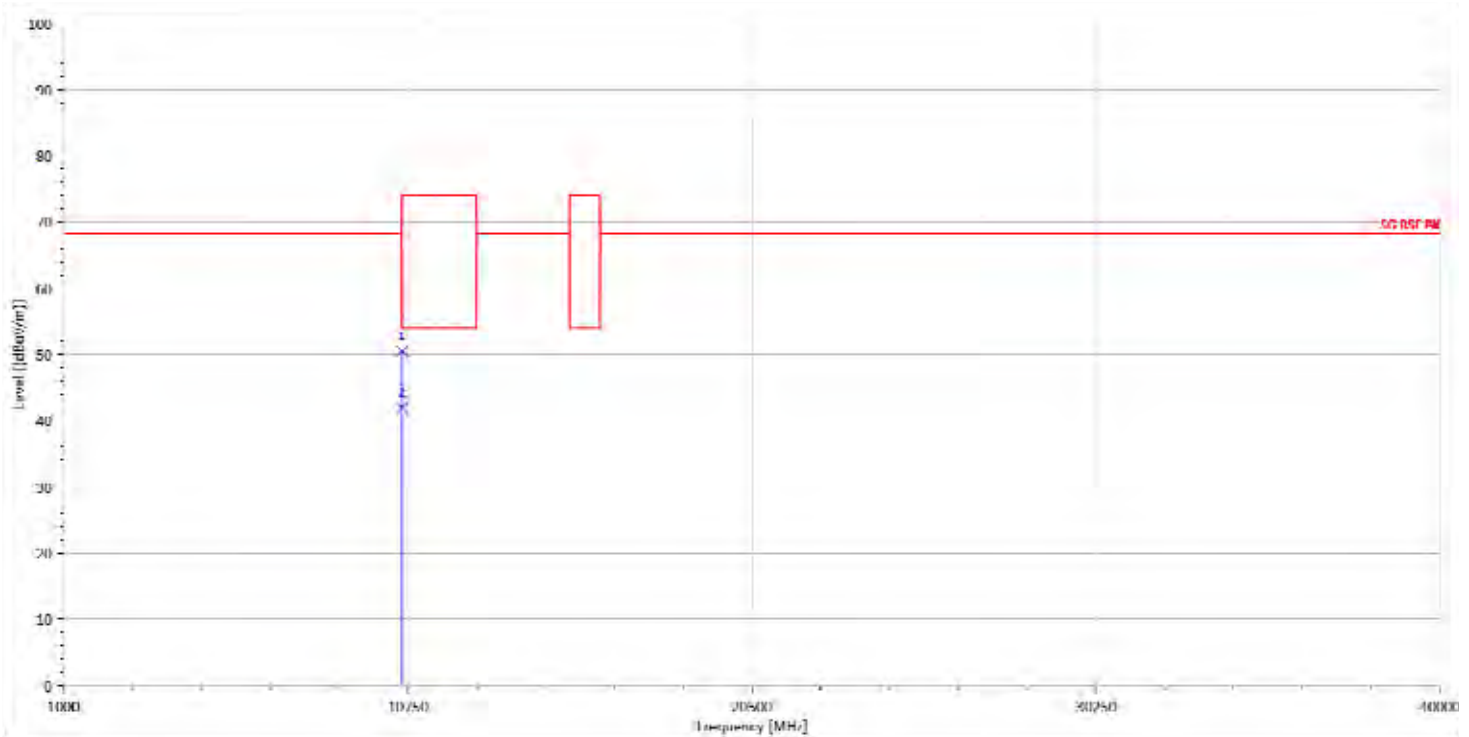
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	H	Peak	29.87	20.10	49.97	68.3	-18.33

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Operation Mode :	802.11n20B2	Test Date :	2017/11/1
Fundamental Frequency :	5300 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



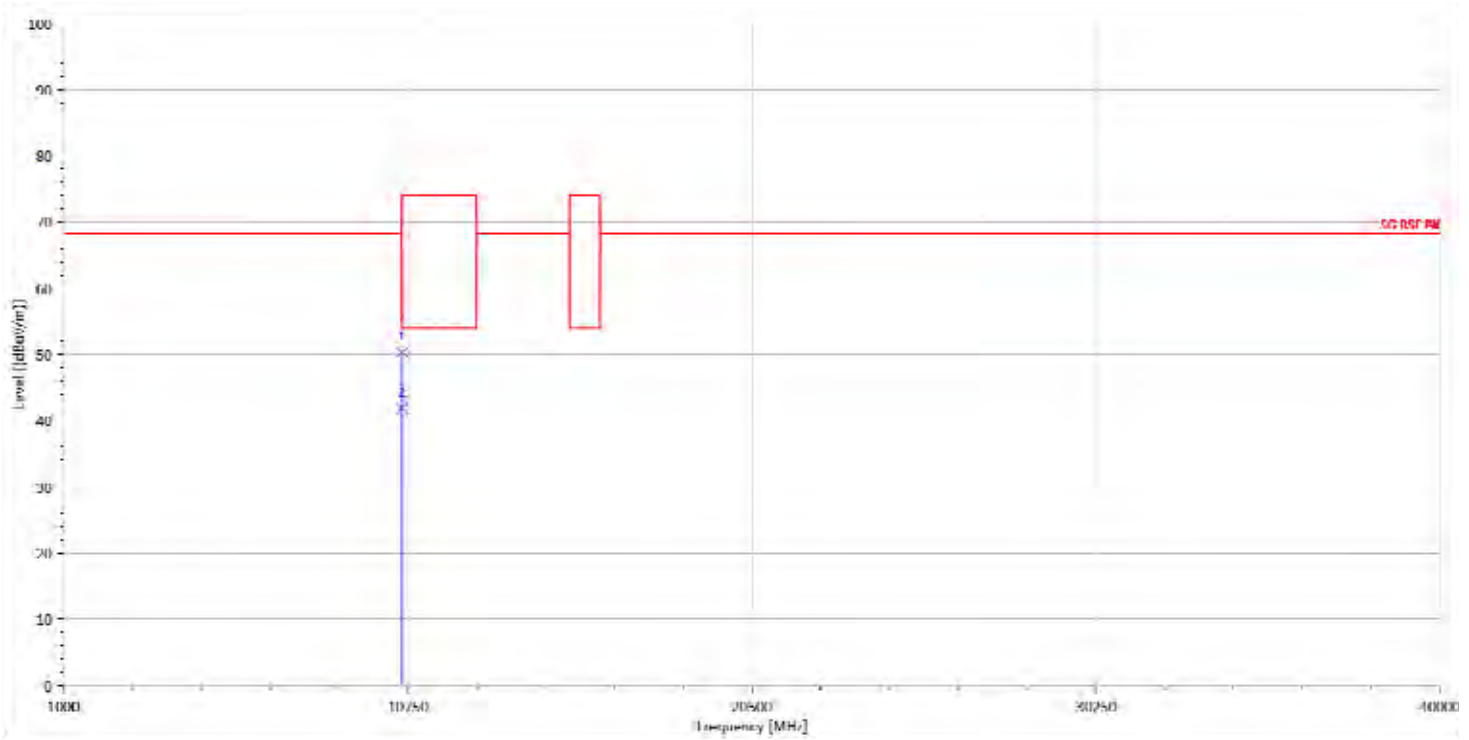
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	H	Peak	30.35	20.17	50.51	74	-23.49
10600.00	H	Average	21.77	20.17	41.94	54	-12.06

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Operation Mode :	802.11n20B2	Test Date :	2017/11/1
Fundamental Frequency :	5300 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



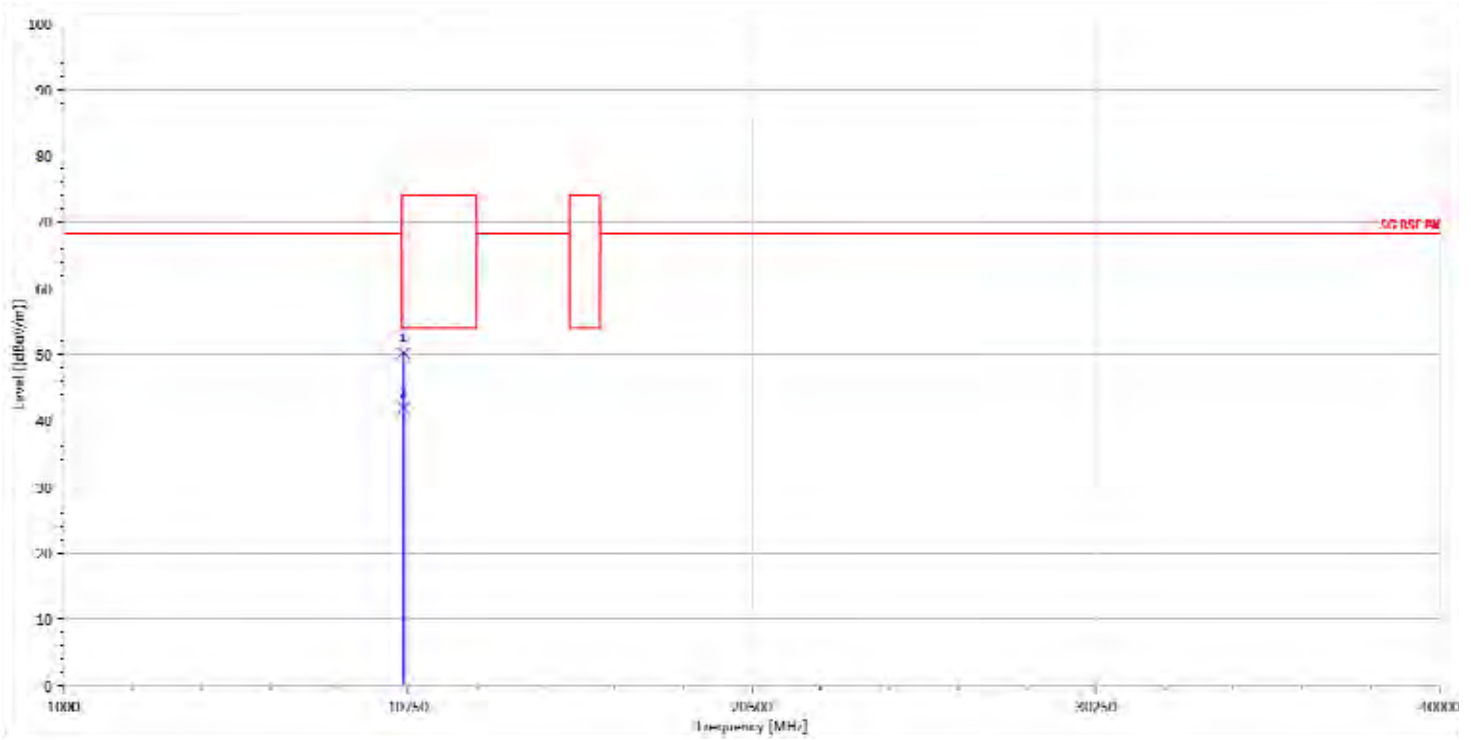
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	H	Peak	30.17	20.17	50.34	74	-23.66
10600.00	H	Average	21.72	20.17	41.89	54	-12.11

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Operation Mode :	802.11n20B2	Test Date :	2017/11/1
Fundamental Frequency :	5320 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



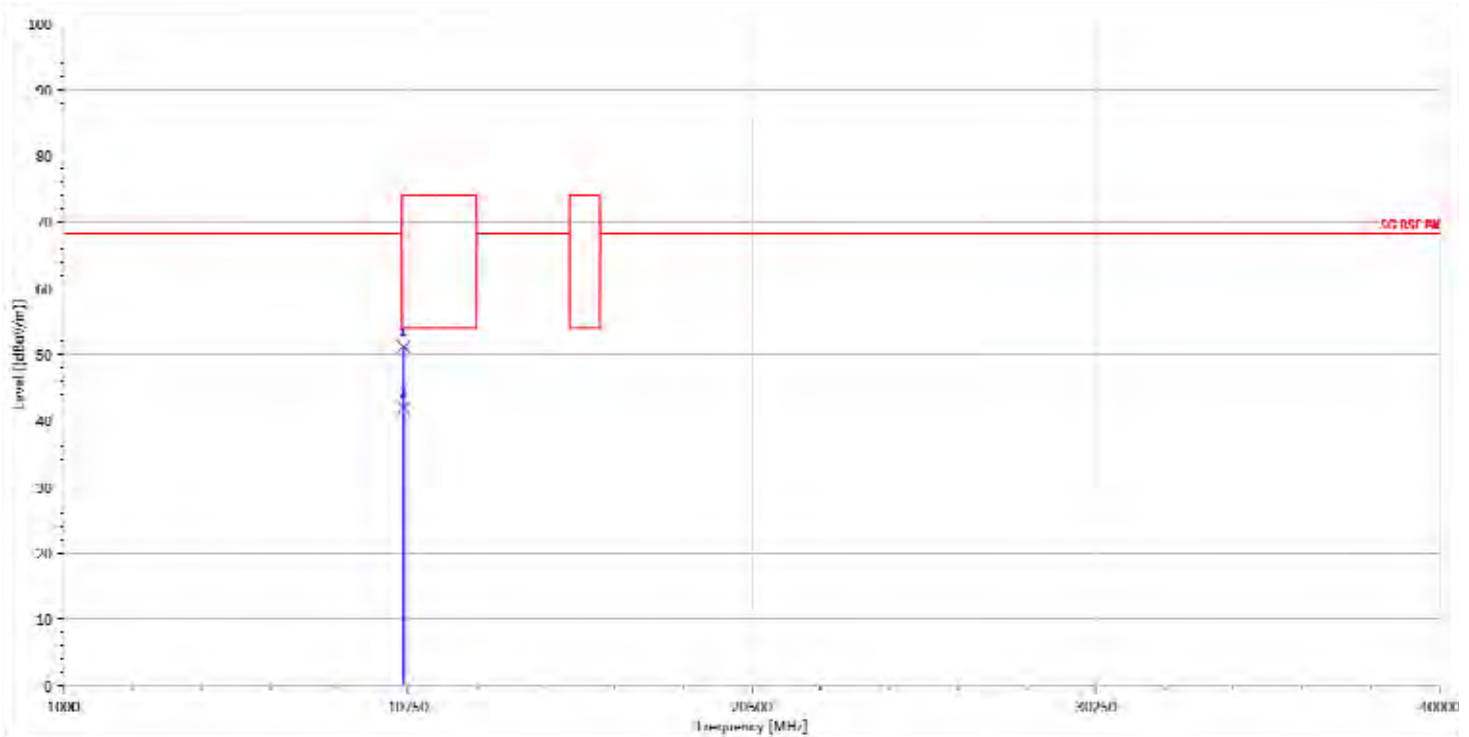
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	H	Peak	29.87	20.34	50.22	74	-23.78
10640.00	H	Average	21.65	20.34	41.99	54	-12.01

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Operation Mode :	802.11n20B2	Test Date :	2017/11/1
Fundamental Frequency :	5320 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	H	Peak	30.85	20.34	51.19	74	-22.81
10640.00	H	Average	21.68	20.34	42.02	54	-11.98

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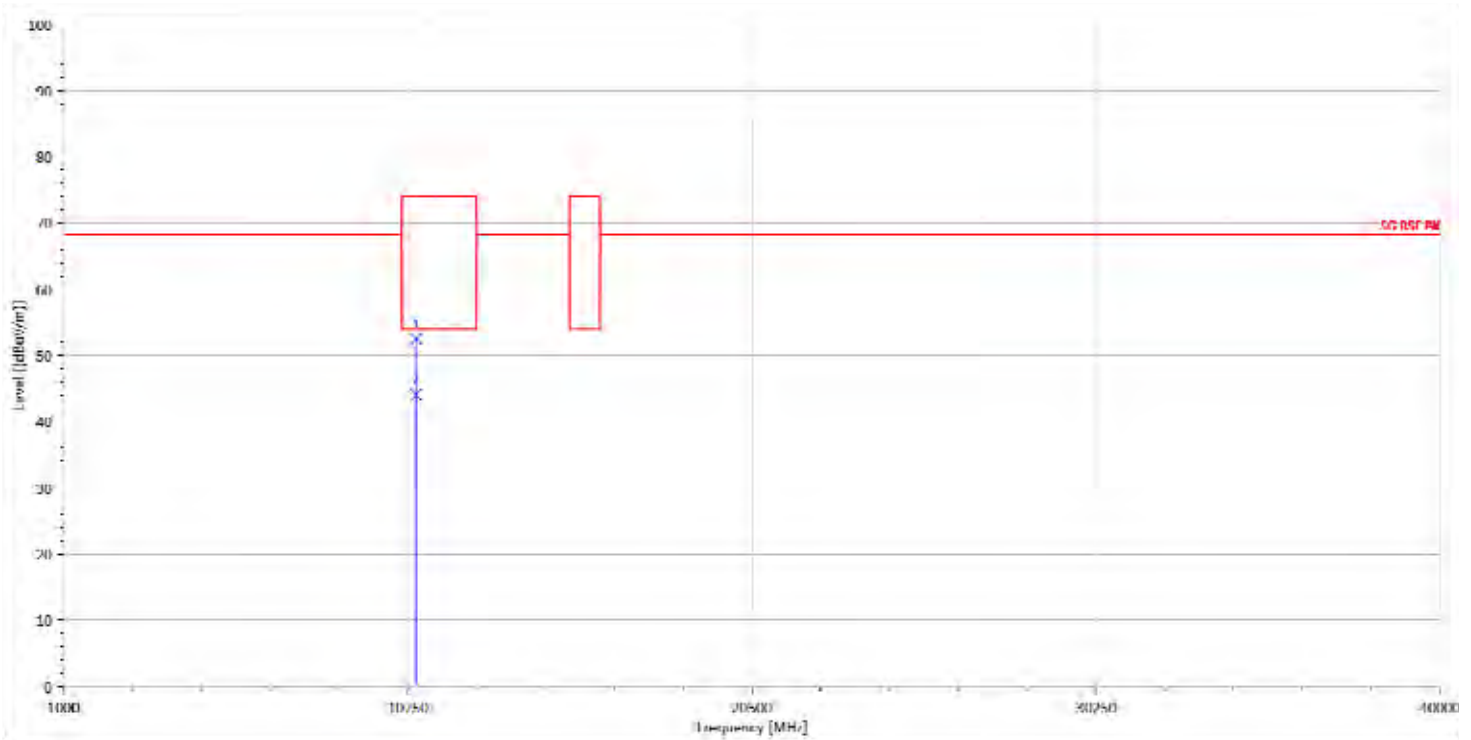
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### Radiated Spurious Emission Measurement Result 802.11n HT20, 5470~5725 MHz

Operation Mode :	802.11n20B3	Test Date :	2017/11/1
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



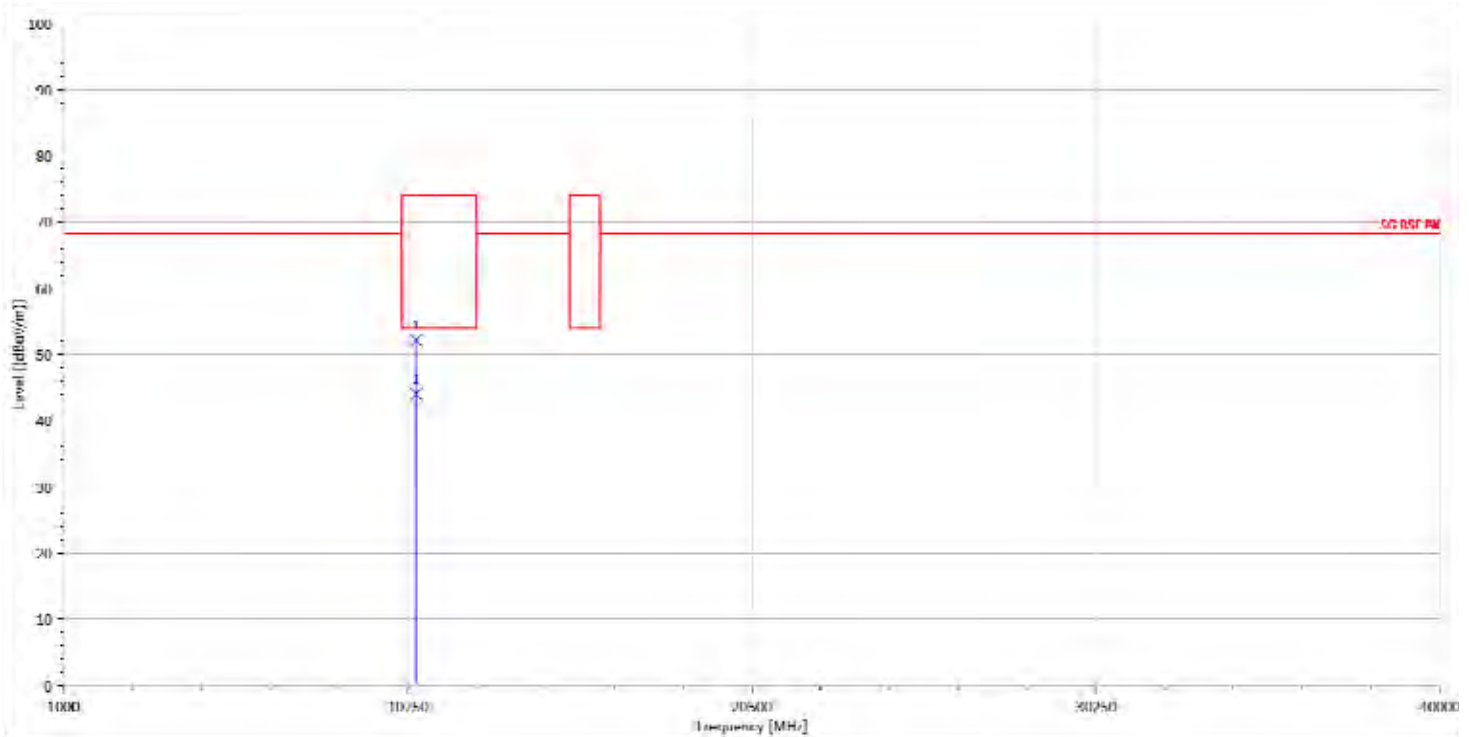
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	H	Peak	30.39	22.11	52.49	74	-21.51
11000.00	H	Average	21.97	22.11	44.08	54	-9.92

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Operation Mode : 802.11n20B3      Test Date : 2017/11/1  
 Fundamental Frequency : 5500 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH LOW      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



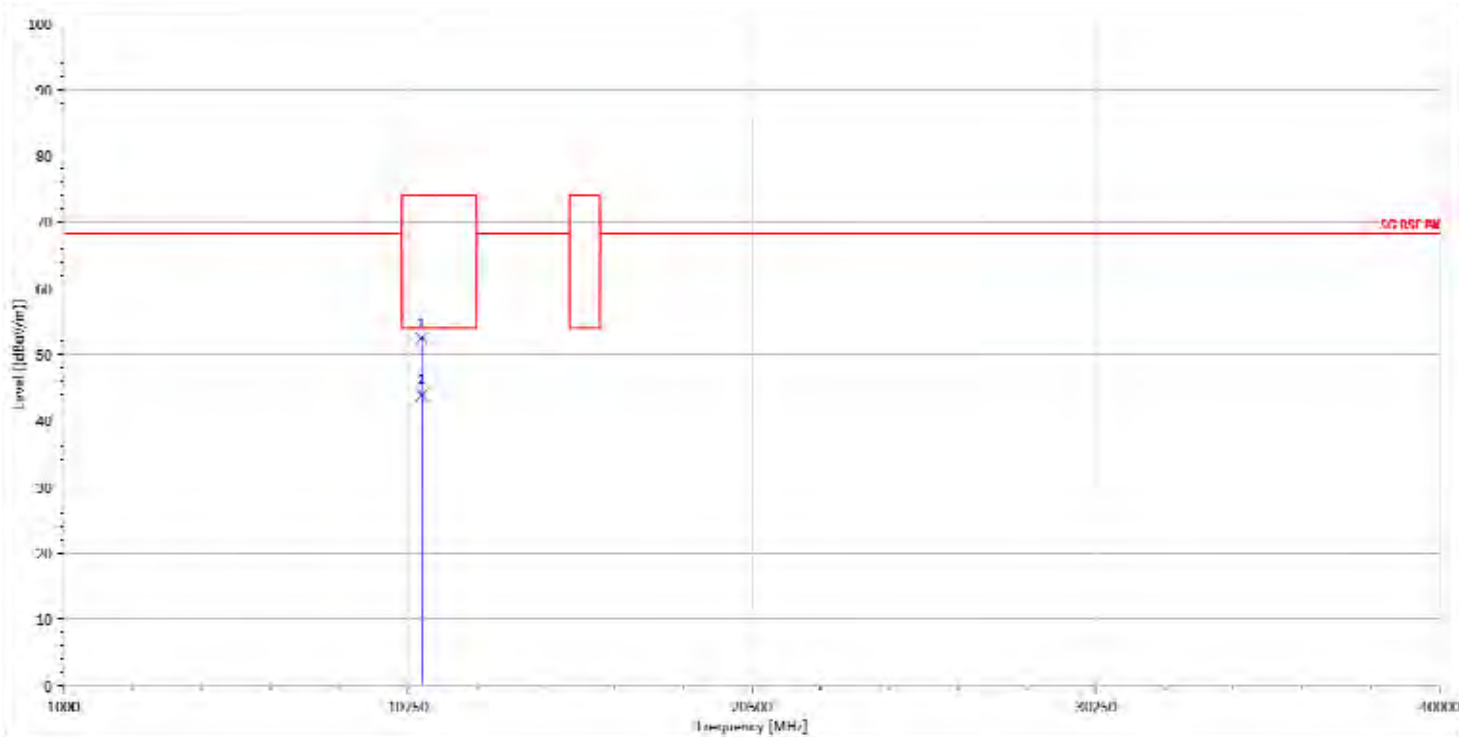
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	H	Peak	30.04	22.11	52.15	74	-21.85
11000.00	H	Average	21.92	22.11	44.03	54	-9.97

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Operation Mode :	802.11n20B3	Test Date :	2017/11/1
Fundamental Frequency :	5580 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



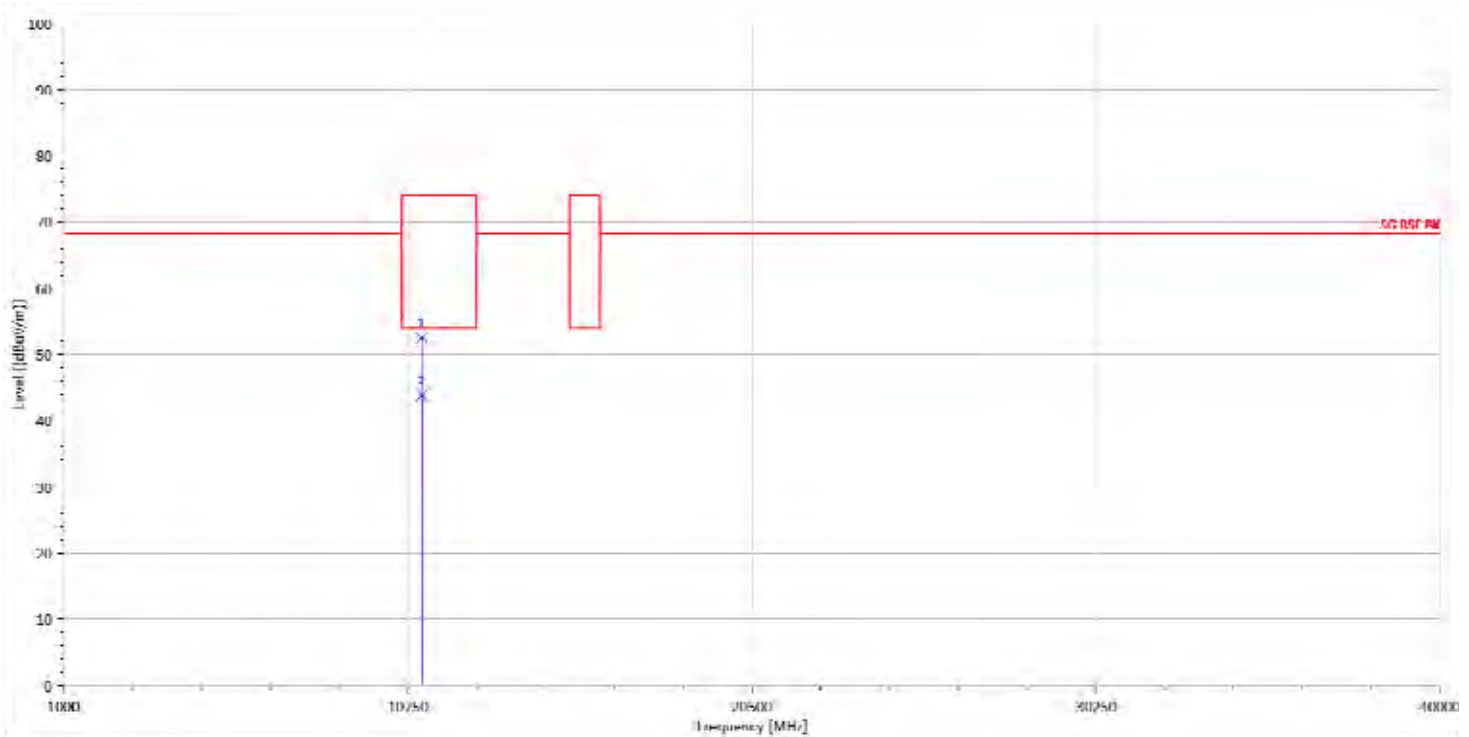
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	H	Peak	30.46	22.04	52.50	74	-21.50
11160.00	H	Average	21.85	22.04	43.89	54	-10.11

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Operation Mode :	802.11n20B3	Test Date :	2017/11/1
Fundamental Frequency :	5580 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



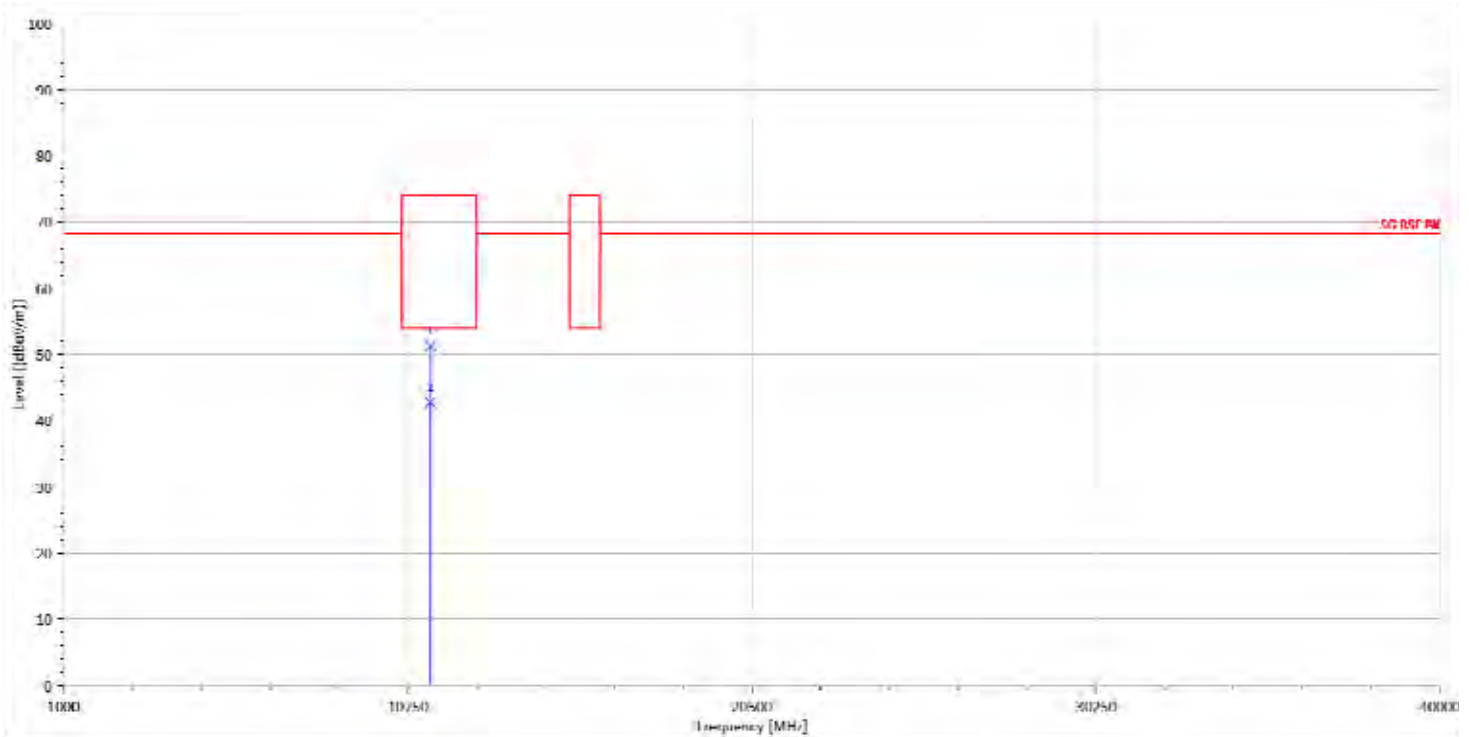
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	H	Peak	30.48	22.04	52.52	74	-21.48
11160.00	H	Average	21.81	22.04	43.85	54	-10.15

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Operation Mode : 802.11n20B3 Test Date : 2017/11/1  
 Fundamental Frequency : 5700 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH HIGH Test Engineer : Enzo  
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



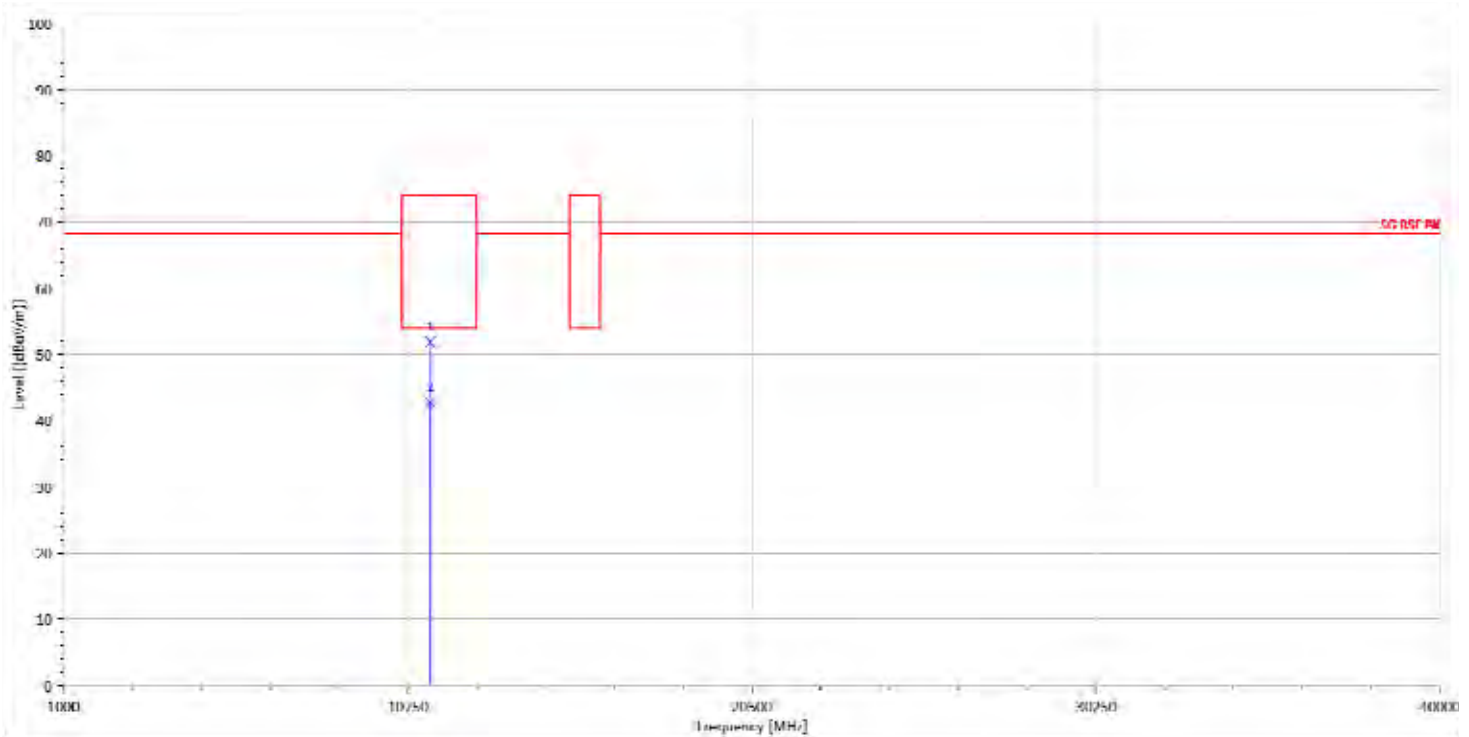
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	H	Peak	30.14	21.22	51.36	74	-22.64
11400.00	H	Average	21.55	21.22	42.77	54	-11.23

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Operation Mode :	802.11n20B3	Test Date :	2017/11/1
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	H	Peak	30.65	21.22	51.87	74	-22.13
11400.00	H	Average	21.52	21.22	42.74	54	-11.26

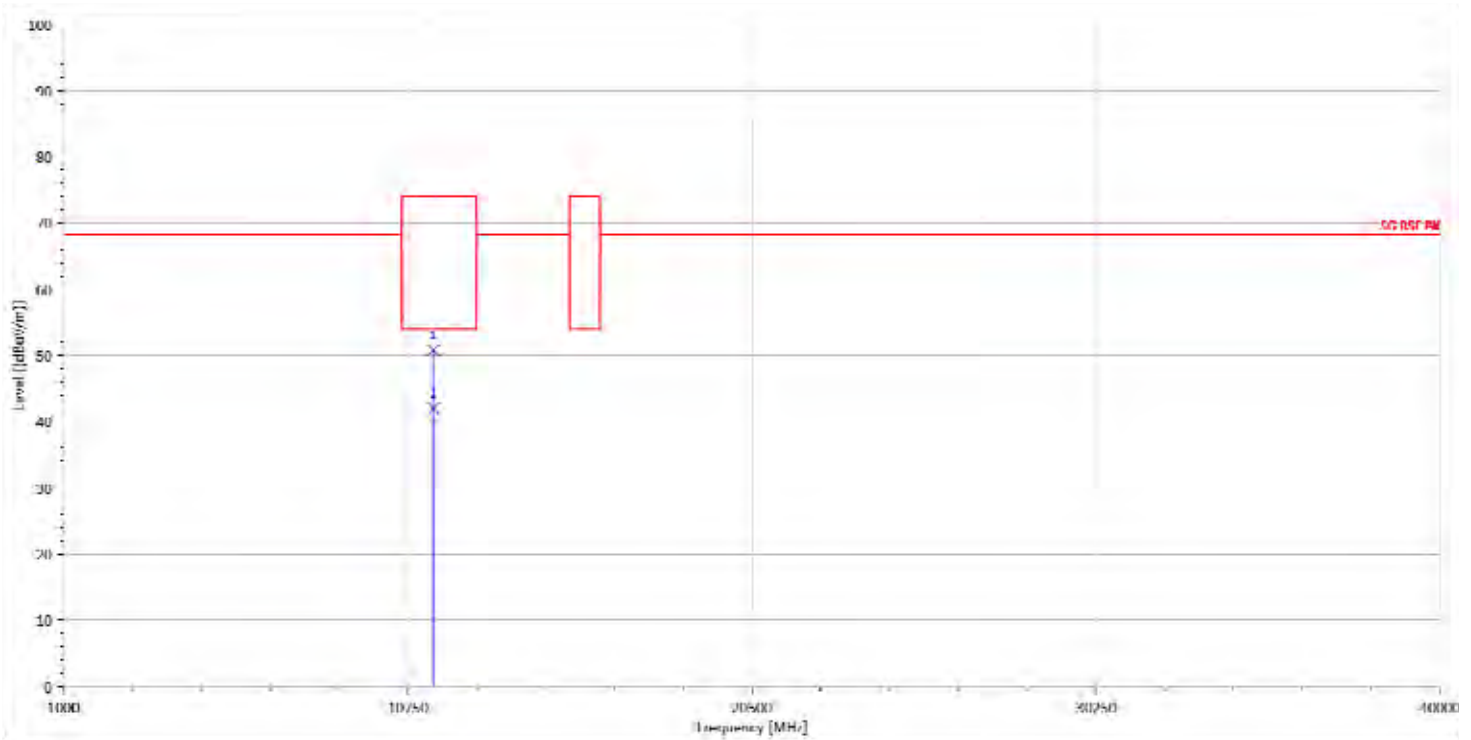
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### Radiated Spurious Emission Measurement Result 802.11n HT20, 5725~5850 MHz

Operation Mode :	802.11n20B4	Test Date :	2017/11/1
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



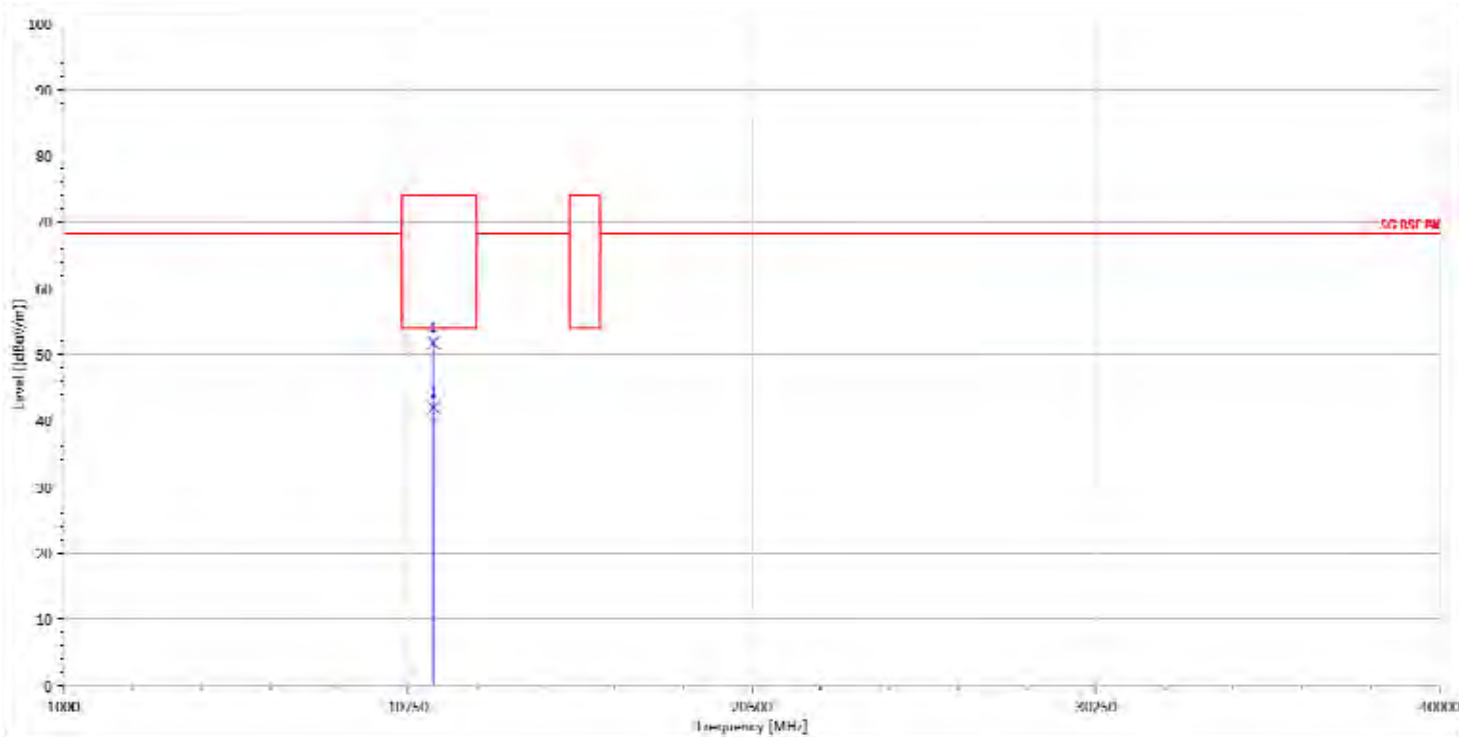
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	H	Peak	30.10	20.70	50.81	74	-23.19
11490.00	H	Average	21.32	20.70	42.02	54	-11.98

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Operation Mode :	802.11n20B4	Test Date :	2017/11/1
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	H	Peak	31.05	20.70	51.75	74	-22.25
11490.00	H	Average	21.30	20.70	42.00	54	-12.00

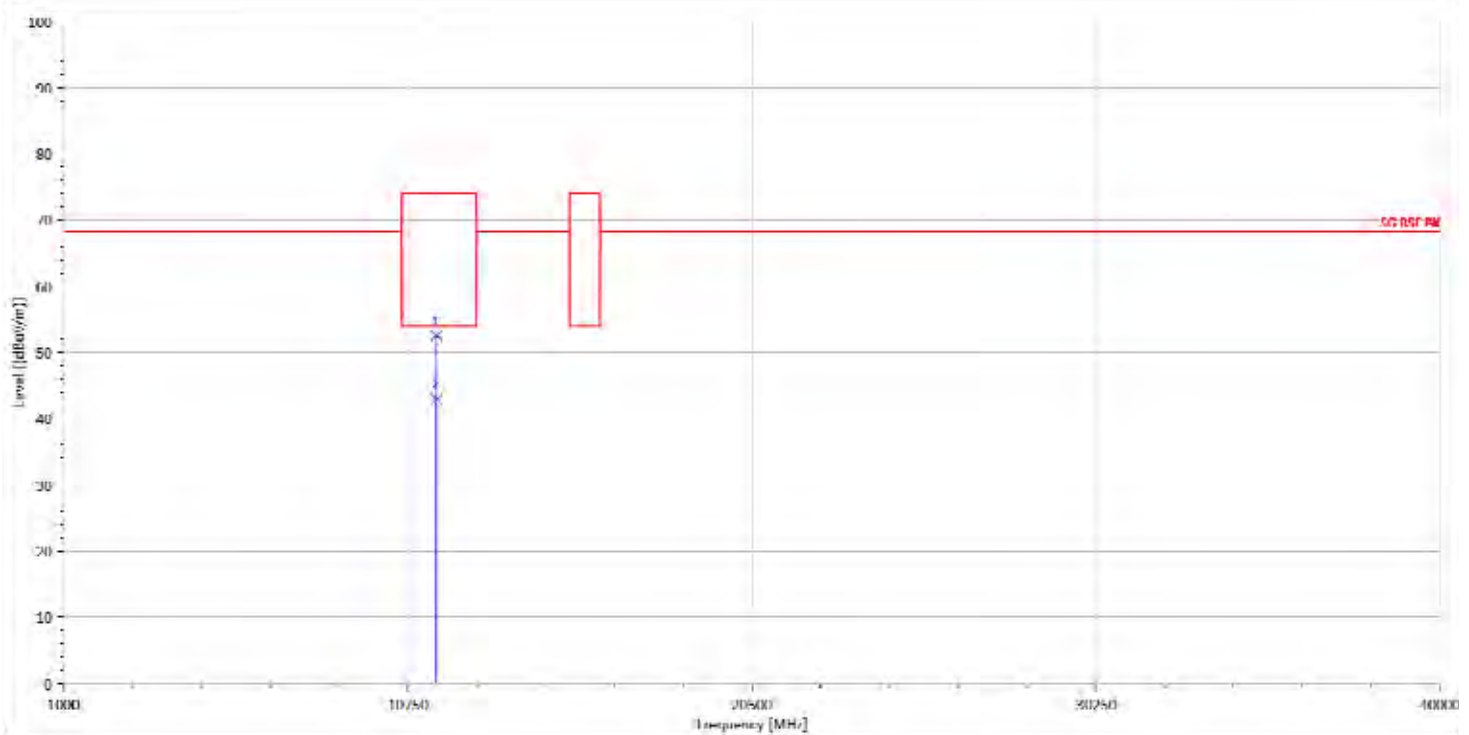
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Operation Mode :	802.11n20B4	Test Date :	2017/11/1
Fundamental Frequency :	5785 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



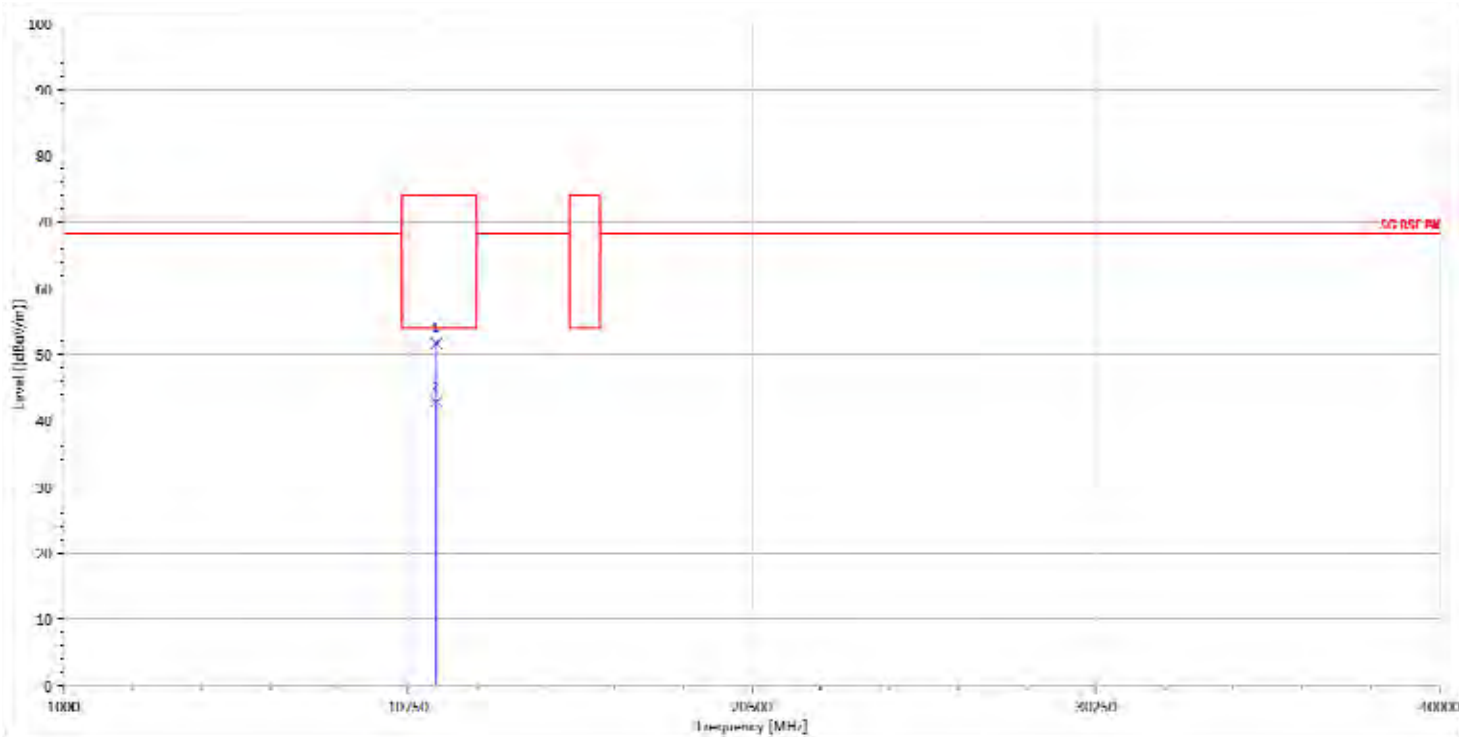
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	H	Peak	31.10	21.44	52.55	74	-21.45
11570.00	H	Average	21.48	21.44	42.92	54	-11.08

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Operation Mode : 802.11n20B4      Test Date : 2017/11/1  
 Fundamental Frequency : 5785 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH MID      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



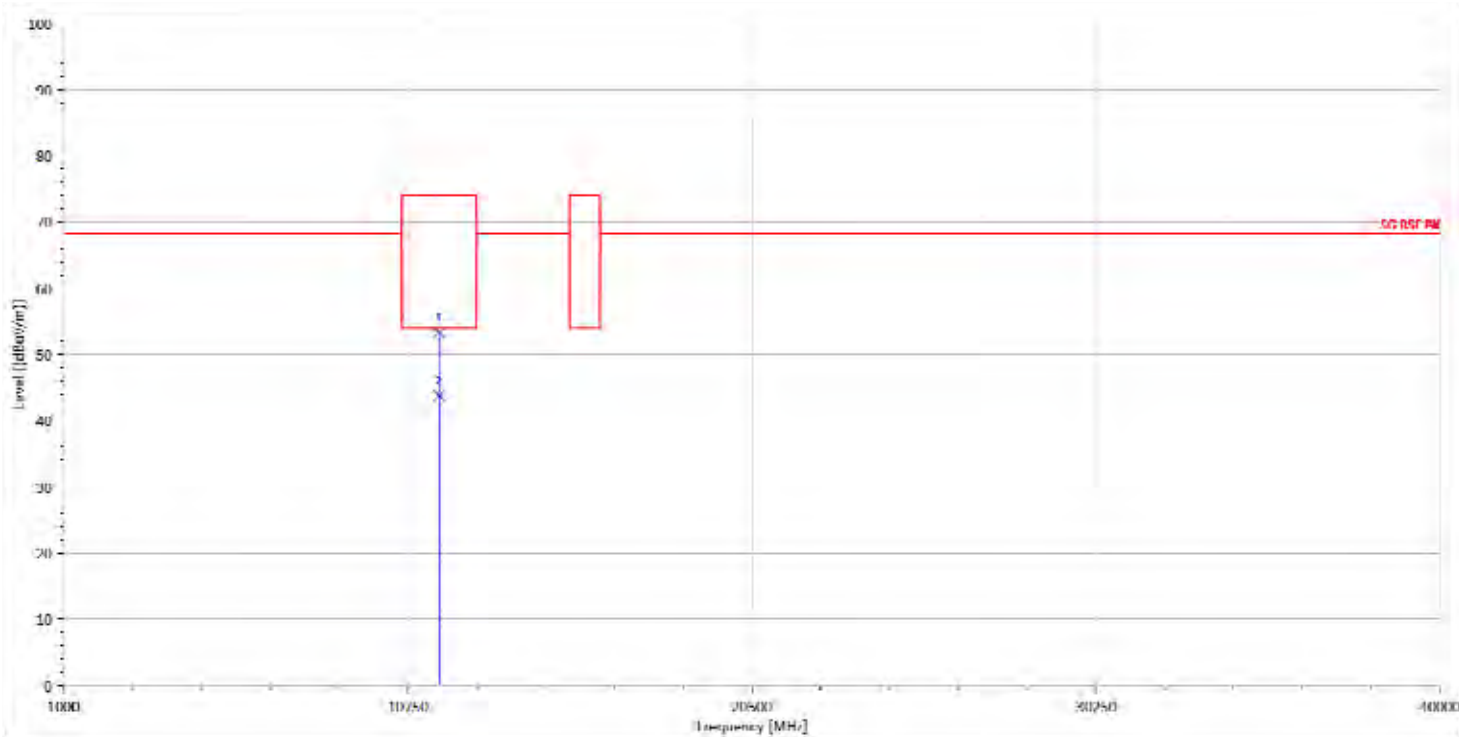
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	H	Peak	30.24	21.44	51.69	74	-22.31
11570.00	H	Average	21.43	21.44	42.87	54	-11.13

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Operation Mode :	802.11n20B4	Test Date :	2017/11/1
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



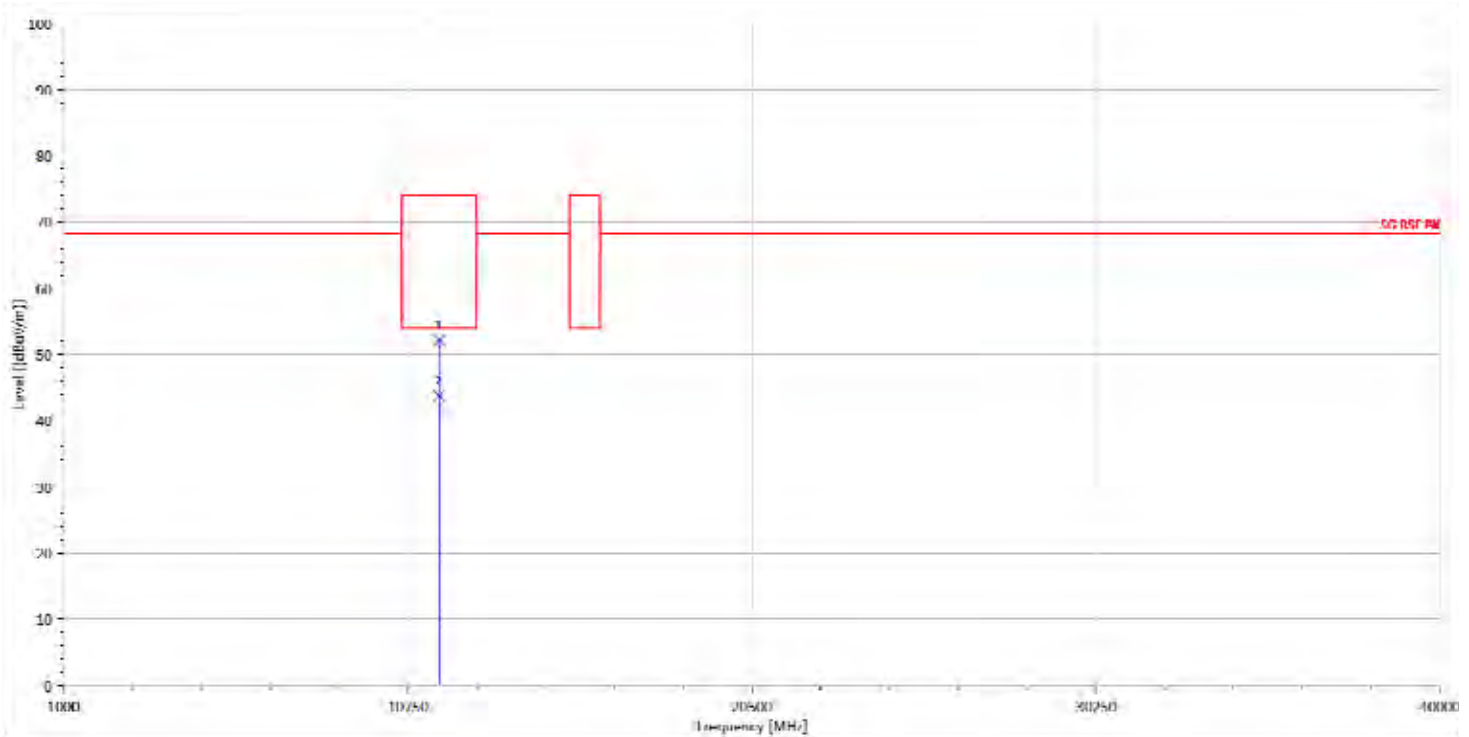
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	H	Peak	31.28	22.02	53.31	74	-20.69
11650.00	H	Average	21.81	22.02	43.83	54	-10.17

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Operation Mode :	802.11n20B4	Test Date :	2017/11/1
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	H	Peak	30.16	22.02	52.18	74	-21.82
11650.00	H	Average	21.77	22.02	43.79	54	-10.21

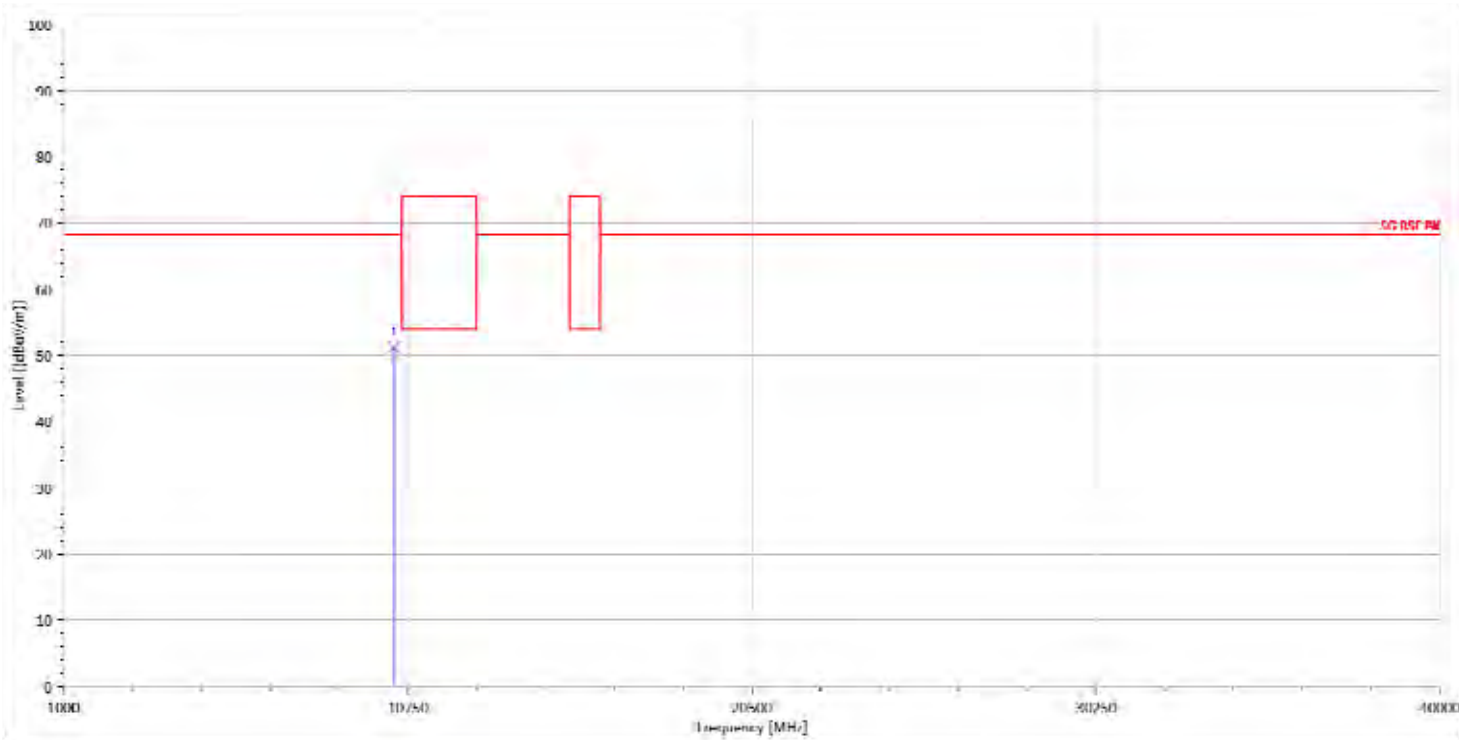
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### Radiated Spurious Emission Measurement Result 802.11n HT40, 5150~5250 MHz

Operation Mode :	802.11n40B1	Test Date :	2017/11/1
Fundamental Frequency :	5190 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



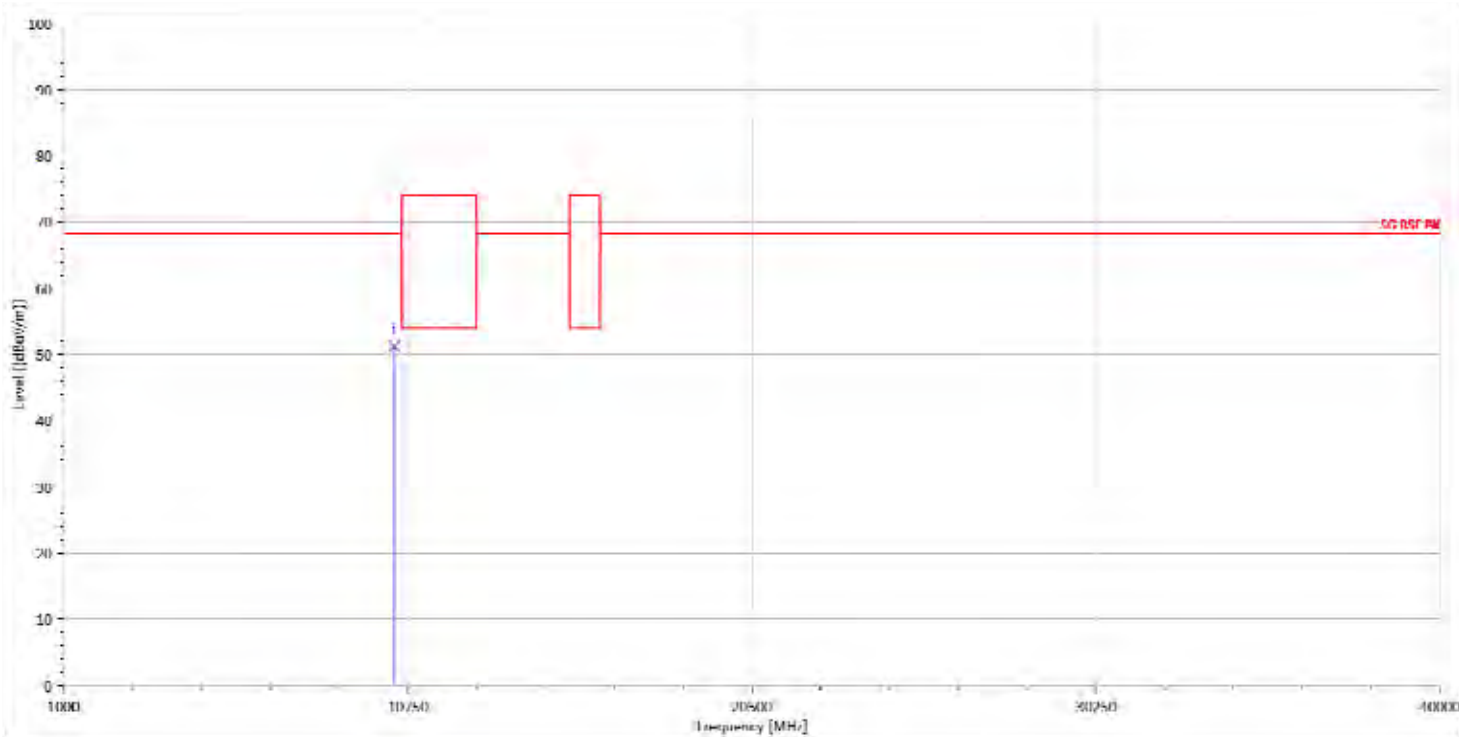
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	H	Peak	30.29	20.95	51.24	68.3	-17.06

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Operation Mode : 802.11n40B1      Test Date : 2017/11/1  
 Fundamental Frequency : 5190 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH LOW      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



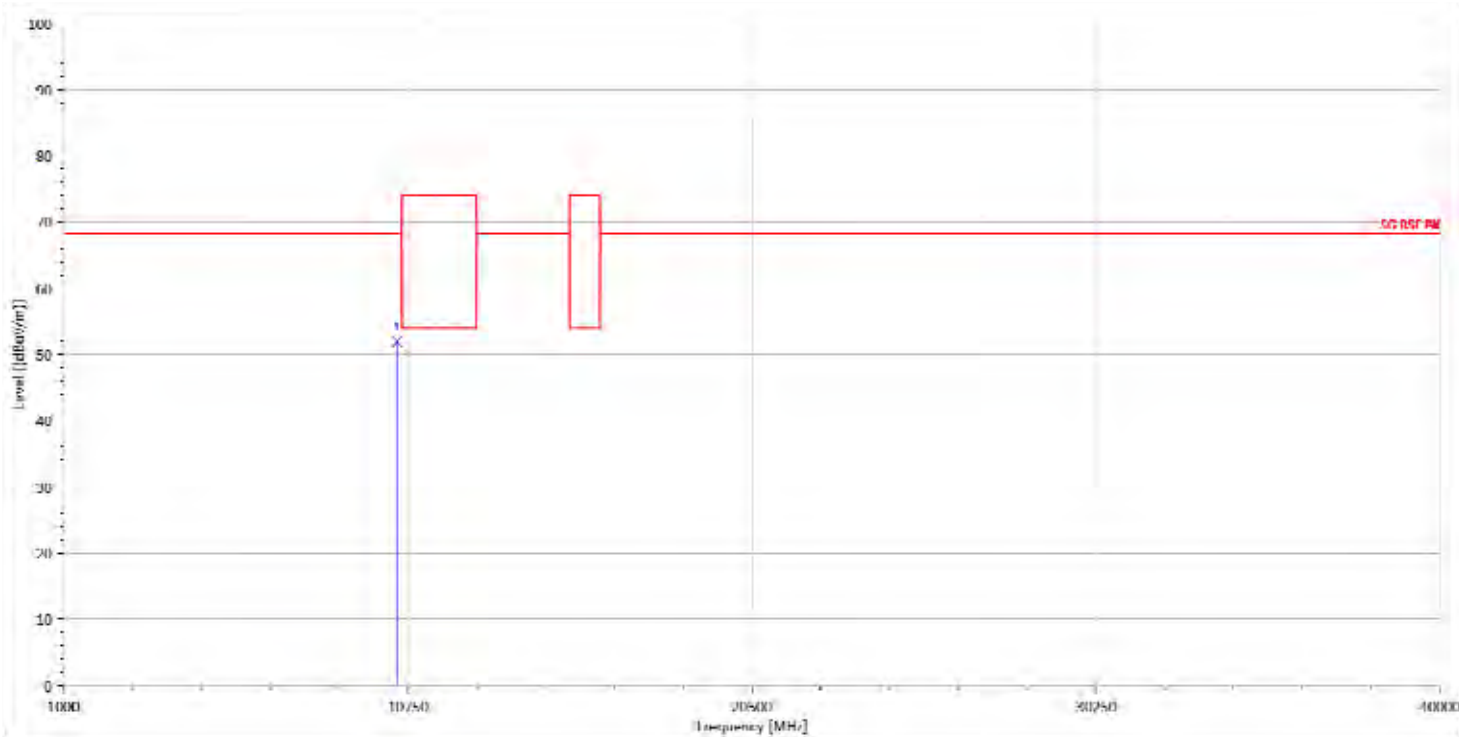
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	H	Peak	30.30	20.95	51.25	68.3	-17.05

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Operation Mode :	802.11n40B1	Test Date :	2017/11/1
Fundamental Frequency :	5230 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



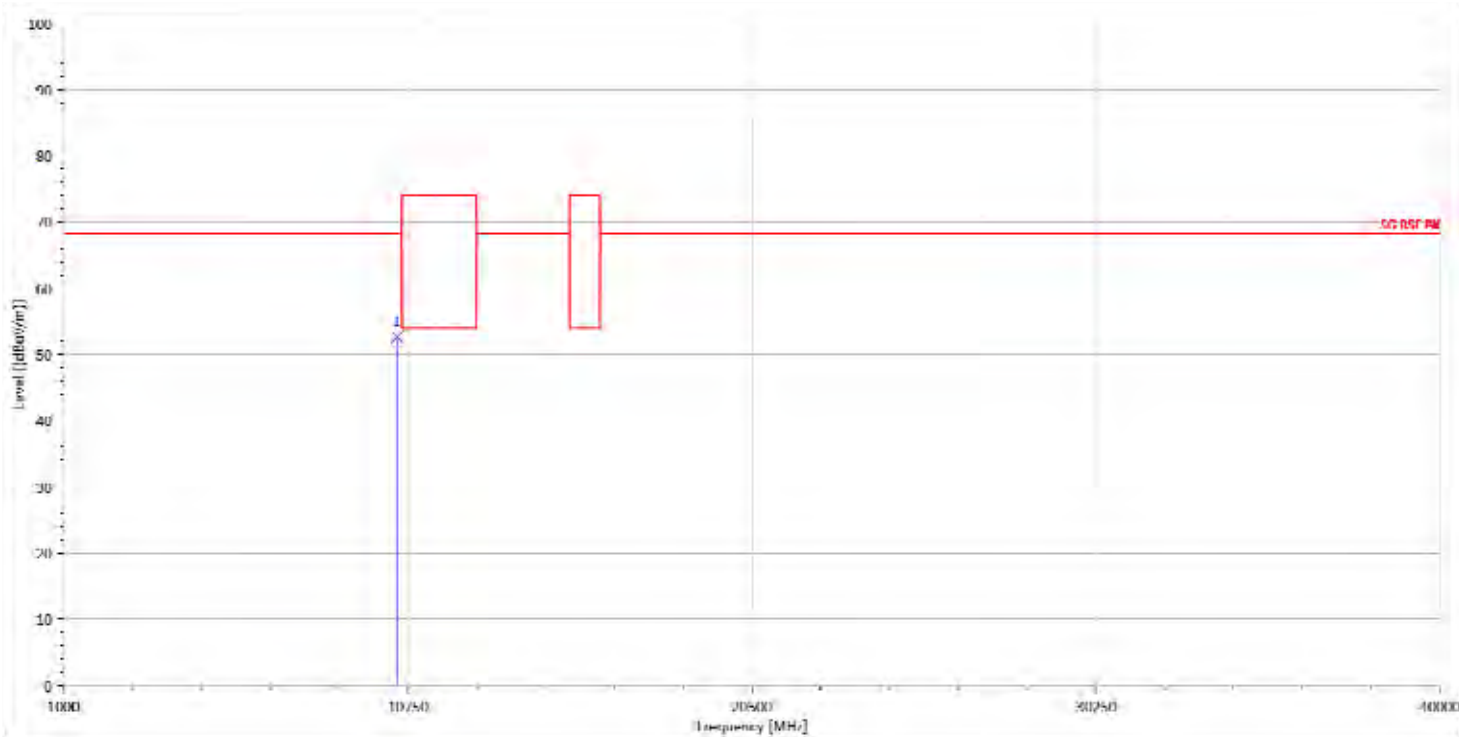
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	H	Peak	31.00	20.95	51.95	68.3	-16.35

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Operation Mode :	802.11n40B1	Test Date :	2017/11/1
Fundamental Frequency :	5230 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	H	Peak	31.69	20.95	52.64	68.3	-15.66

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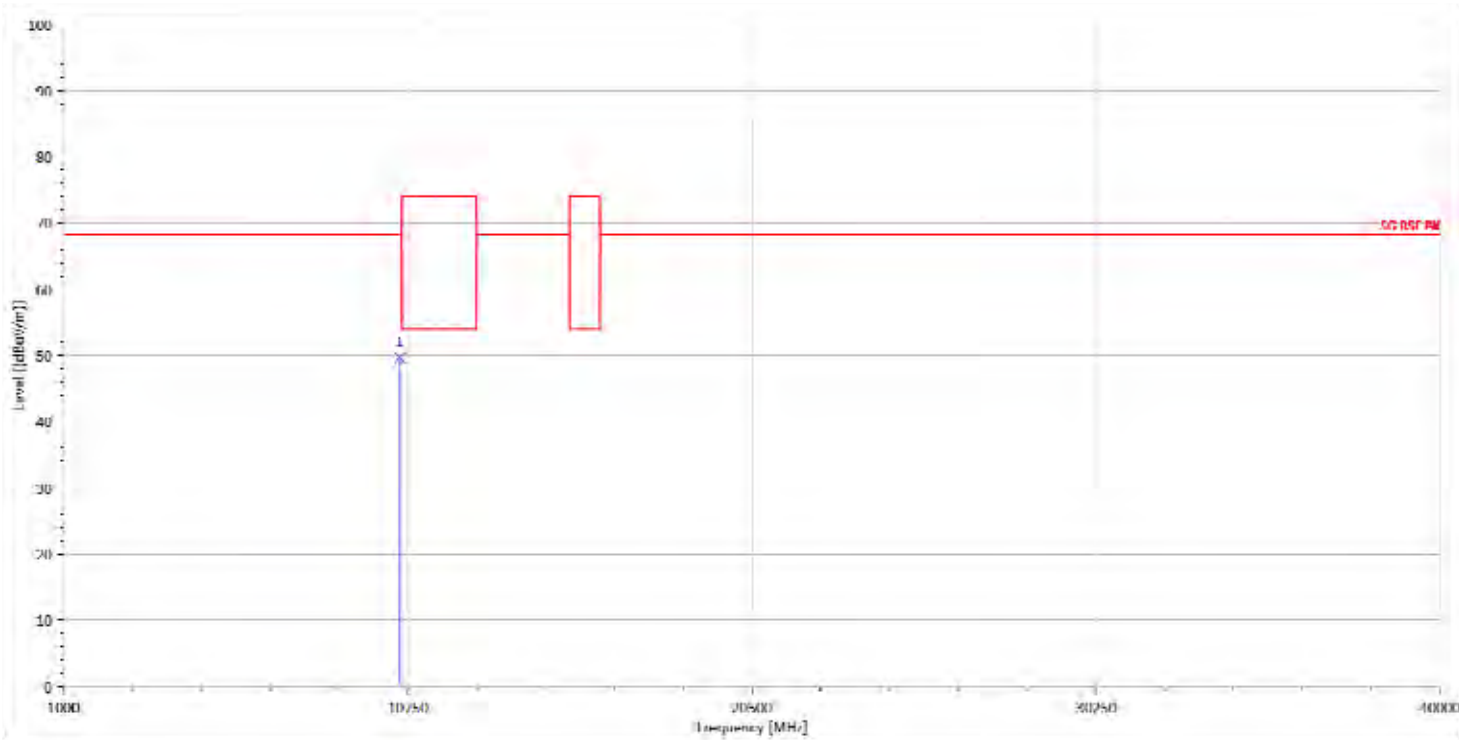
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### Radiated Spurious Emission Measurement Result 802.11n HT40, 5250~5350 MHz

Operation Mode :	802.11n40B2	Test Date :	2017/11/1
Fundamental Frequency :	5270 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



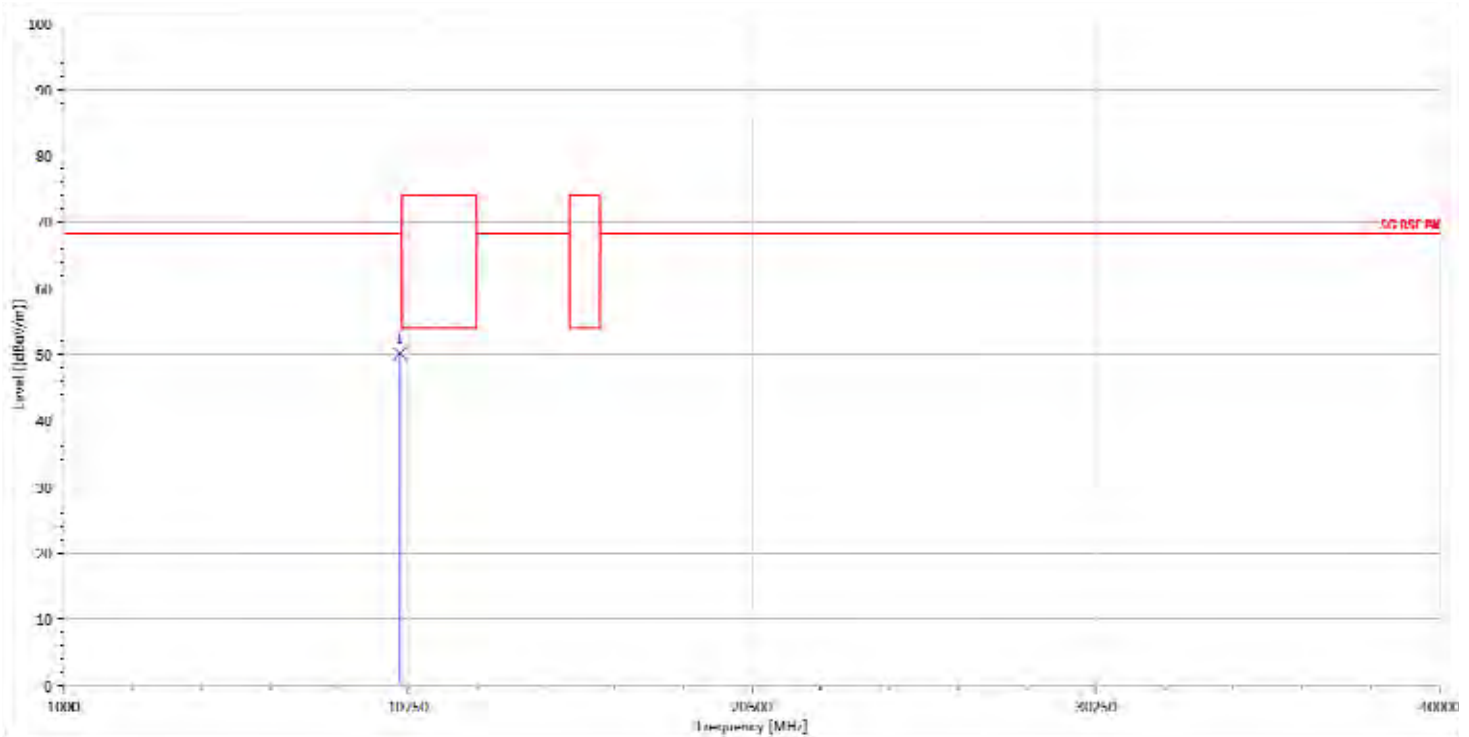
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	H	Peak	29.65	20.06	49.71	68.3	-18.59

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Operation Mode :	802.11n40B2	Test Date :	2017/11/1
Fundamental Frequency :	5270 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



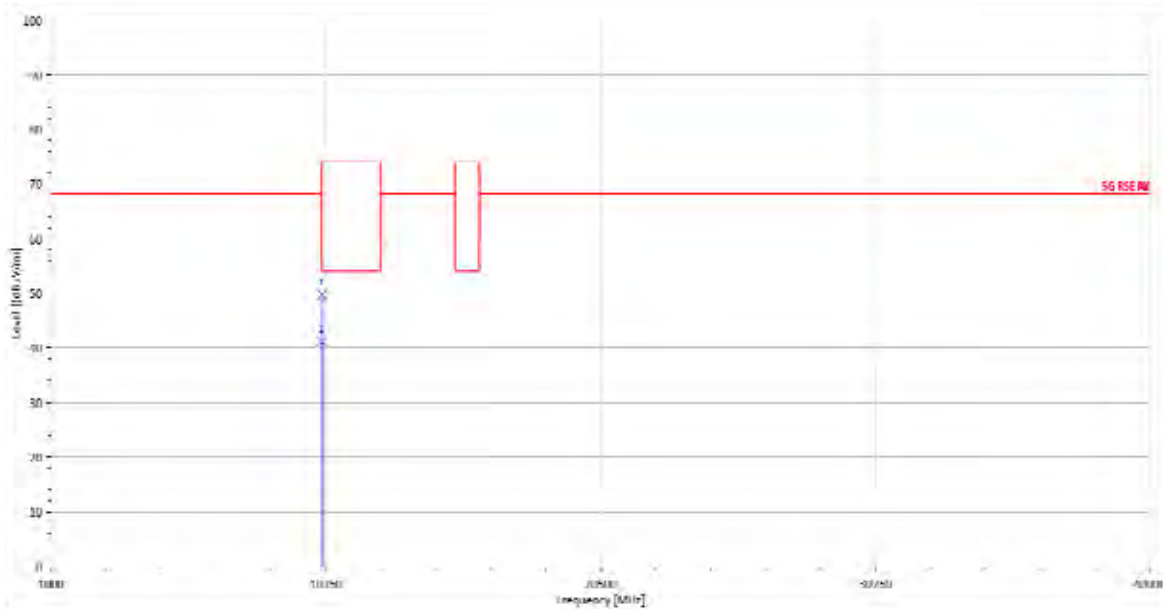
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	H	Peak	30.07	20.06	50.14	68.3	-18.16

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Operation Mode : 802.11n40B2 Test Date : 2017/11/1  
 Fundamental Frequency : 5310 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH HIGH Test Engineer : Enzo  
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



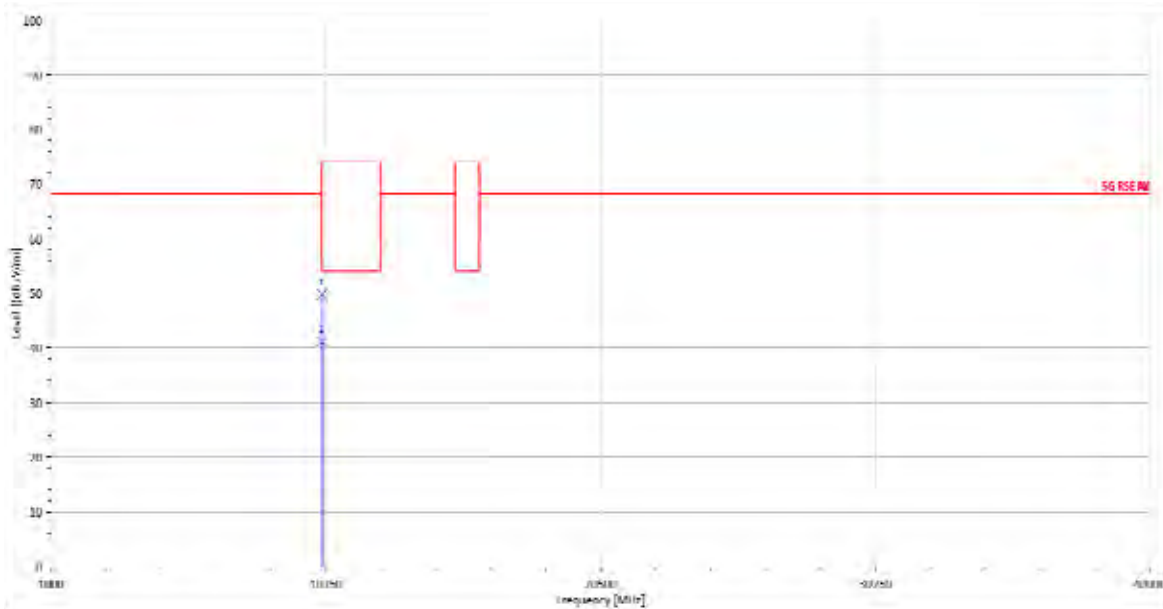
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	H	Peak	29.42	20.29	49.71	74	-24.29
10620.00	H	Average	20.84	20.29	41.13	54	-12.87

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Operation Mode : 802.11n40B2 Test Date : 2017/11/1  
 Fundamental Frequency : 5310 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH HIGH Test Engineer : Enzo  
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	H	Peak	29.53	20.29	49.82	74	-24.18
10620.00	H	Average	20.85	20.29	41.14	54	-12.86

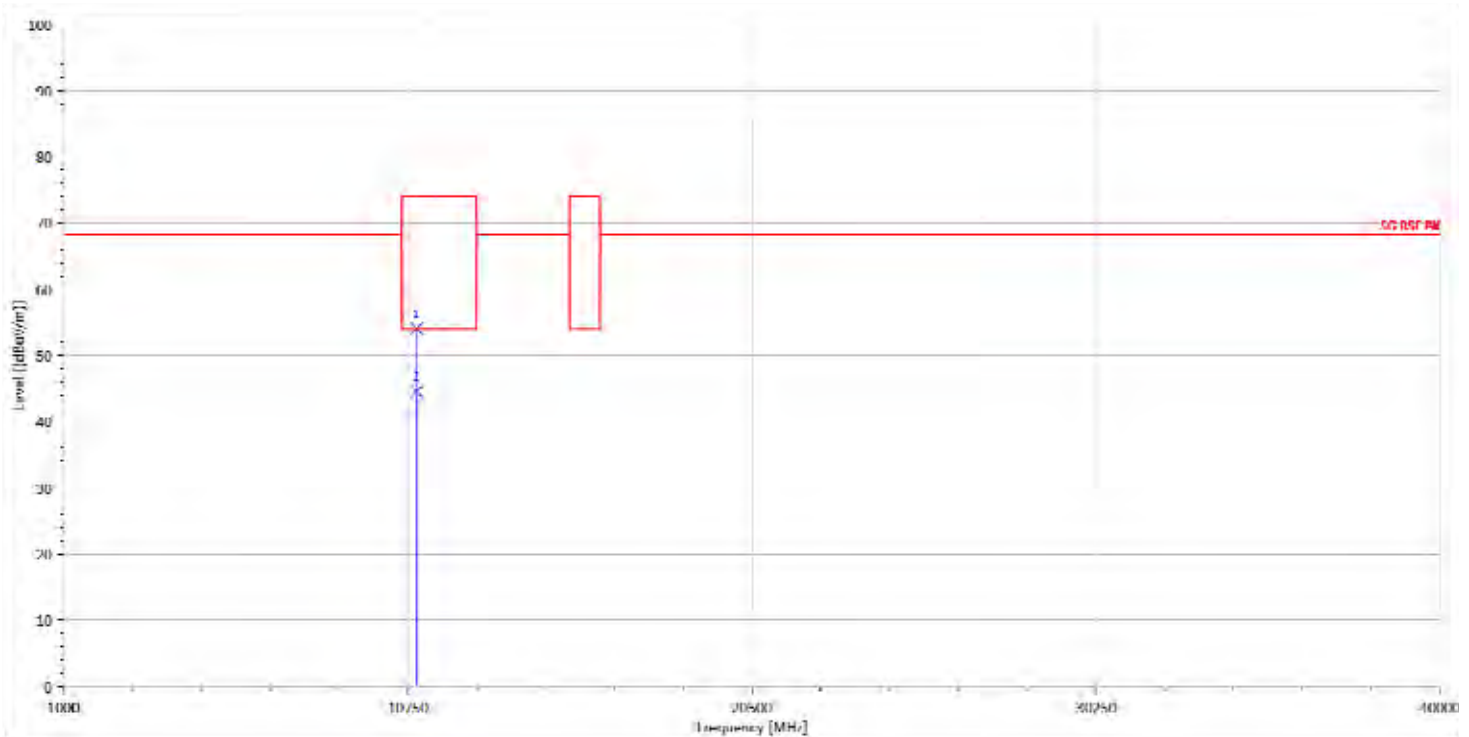
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### Radiated Spurious Emission Measurement Result 802.11n HT40, 5470~5725 MHz

Operation Mode :	802.11n40B3	Test Date :	2017/11/1
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



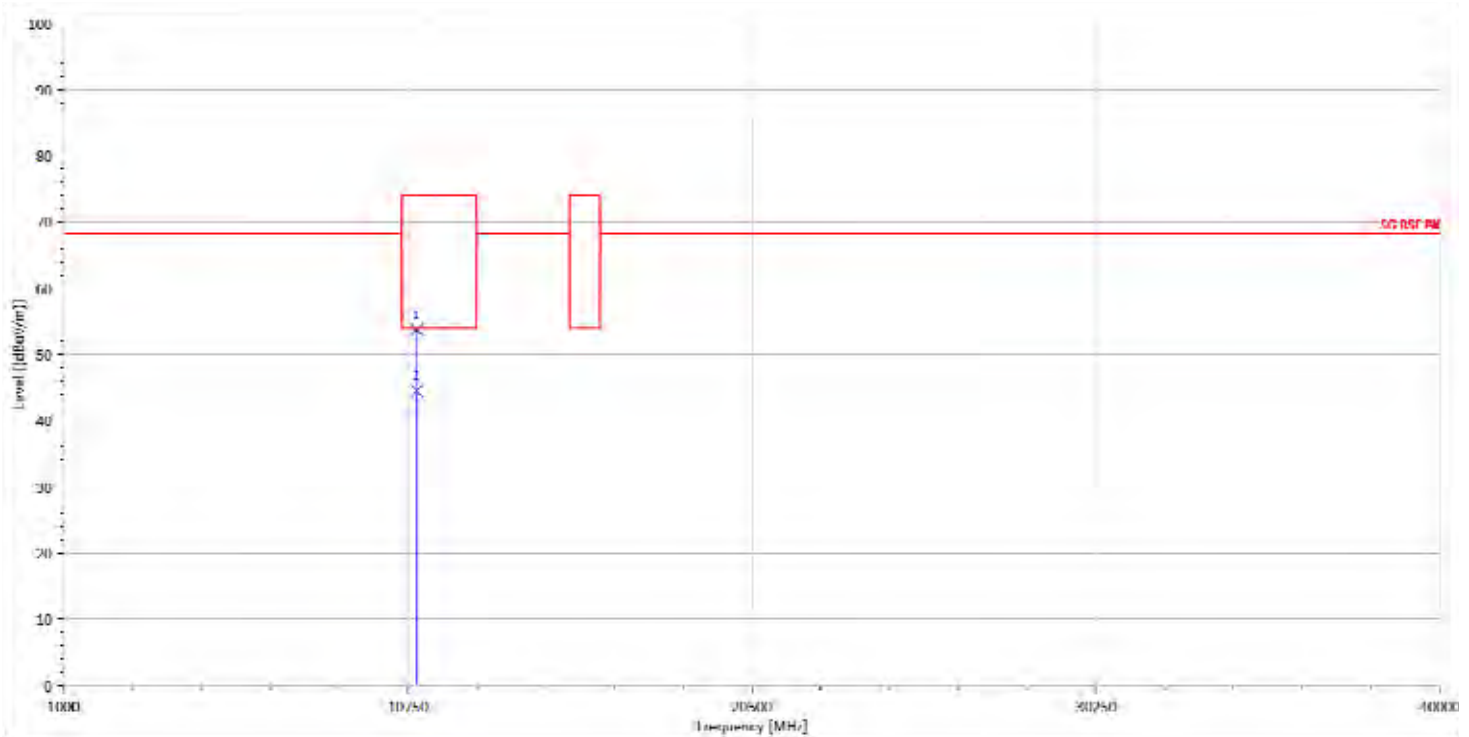
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	H	Peak	31.19	22.90	54.09	74	-19.91
11020.00	H	Average	21.68	22.90	44.58	54	-9.42

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Operation Mode : 802.11n40B3      Test Date : 2017/11/1  
 Fundamental Frequency : 5510 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH LOW      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



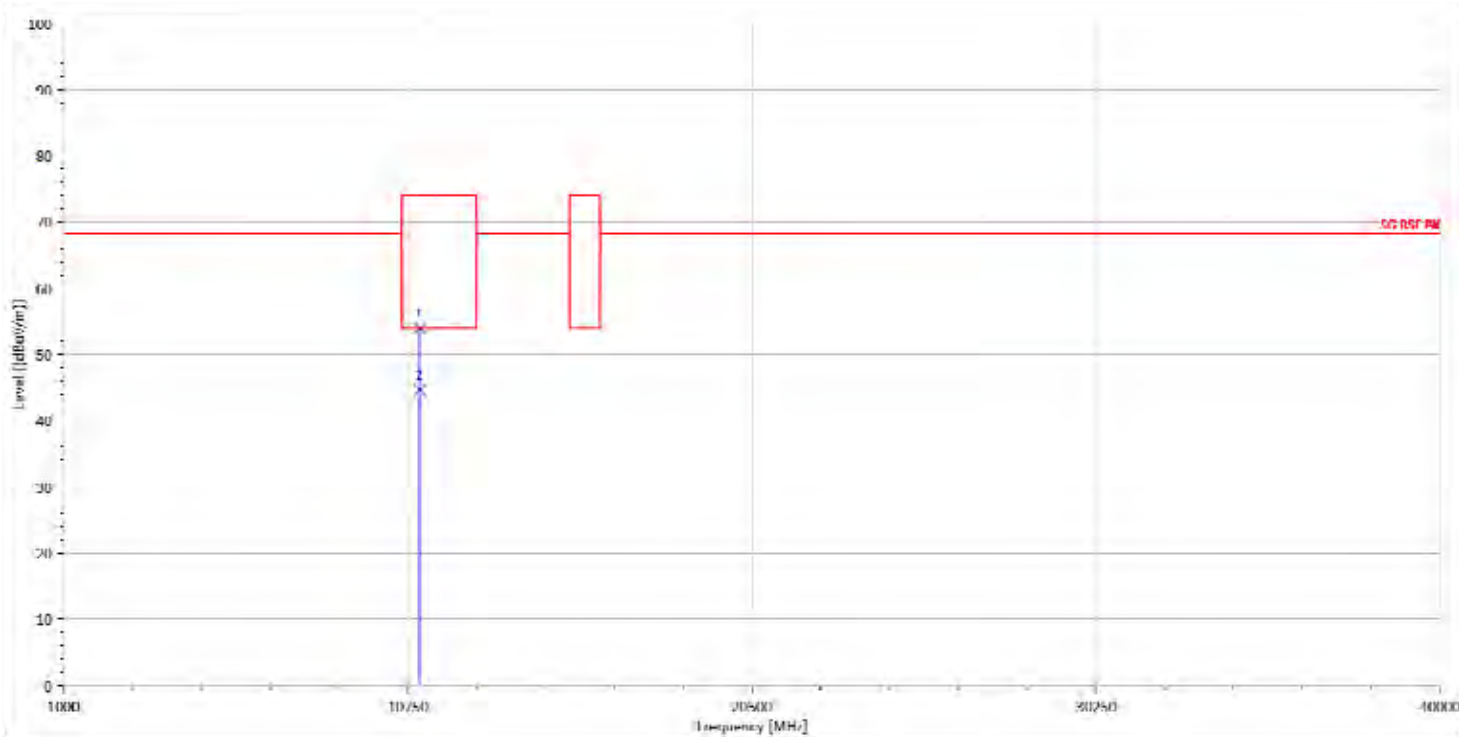
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	H	Peak	30.85	22.90	53.75	74	-20.25
11020.00	H	Average	21.62	22.90	44.52	54	-9.48

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Operation Mode :	802.11n40B3	Test Date :	2017/11/1
Fundamental Frequency :	5550 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



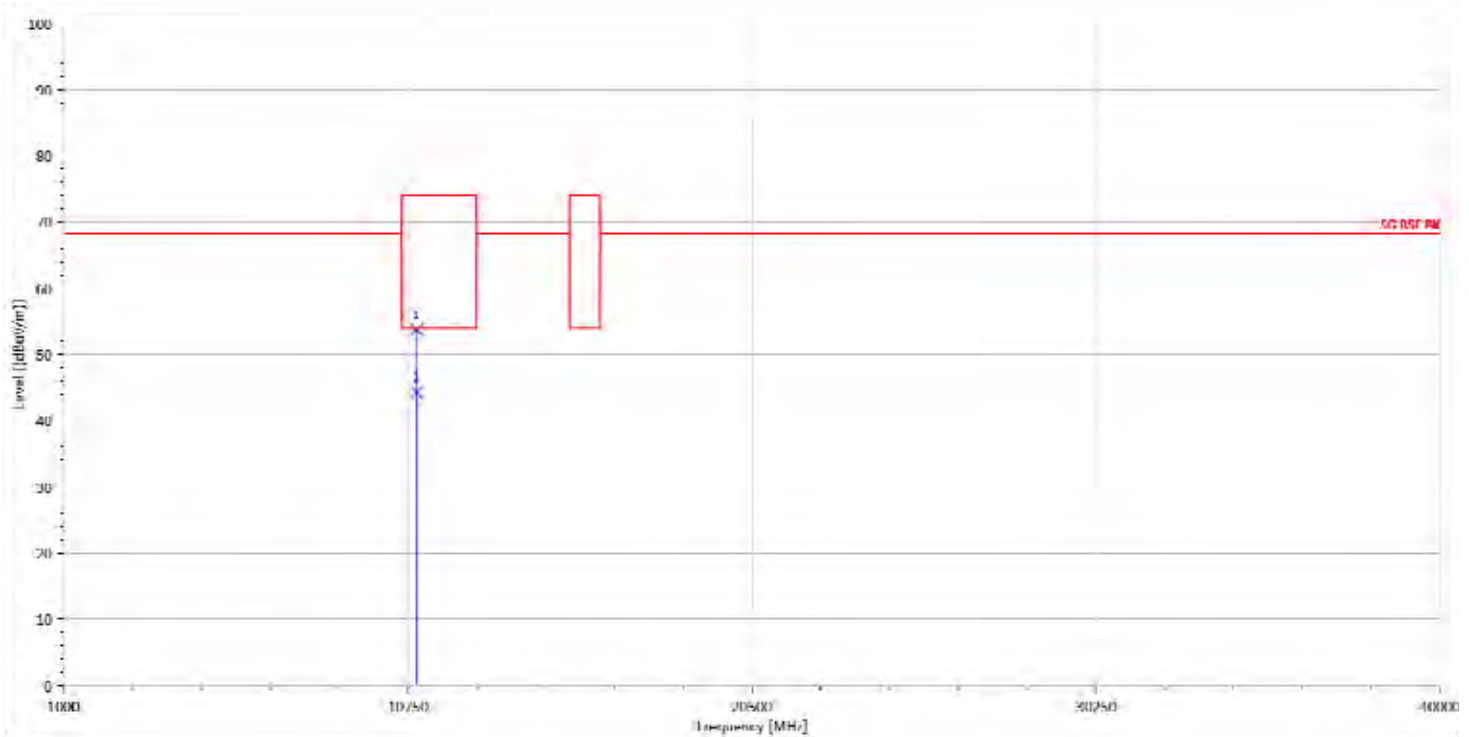
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	H	Peak	30.80	23.16	53.97	74	-20.03
11100.00	H	Average	21.45	23.16	44.61	54	-9.39

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Operation Mode :	802.11n40B3	Test Date :	2017/11/1
Fundamental Frequency :	5550 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	H	Peak	30.85	22.90	53.75	74	-20.25
11020.00	H	Average	21.41	22.90	44.31	54	-9.69

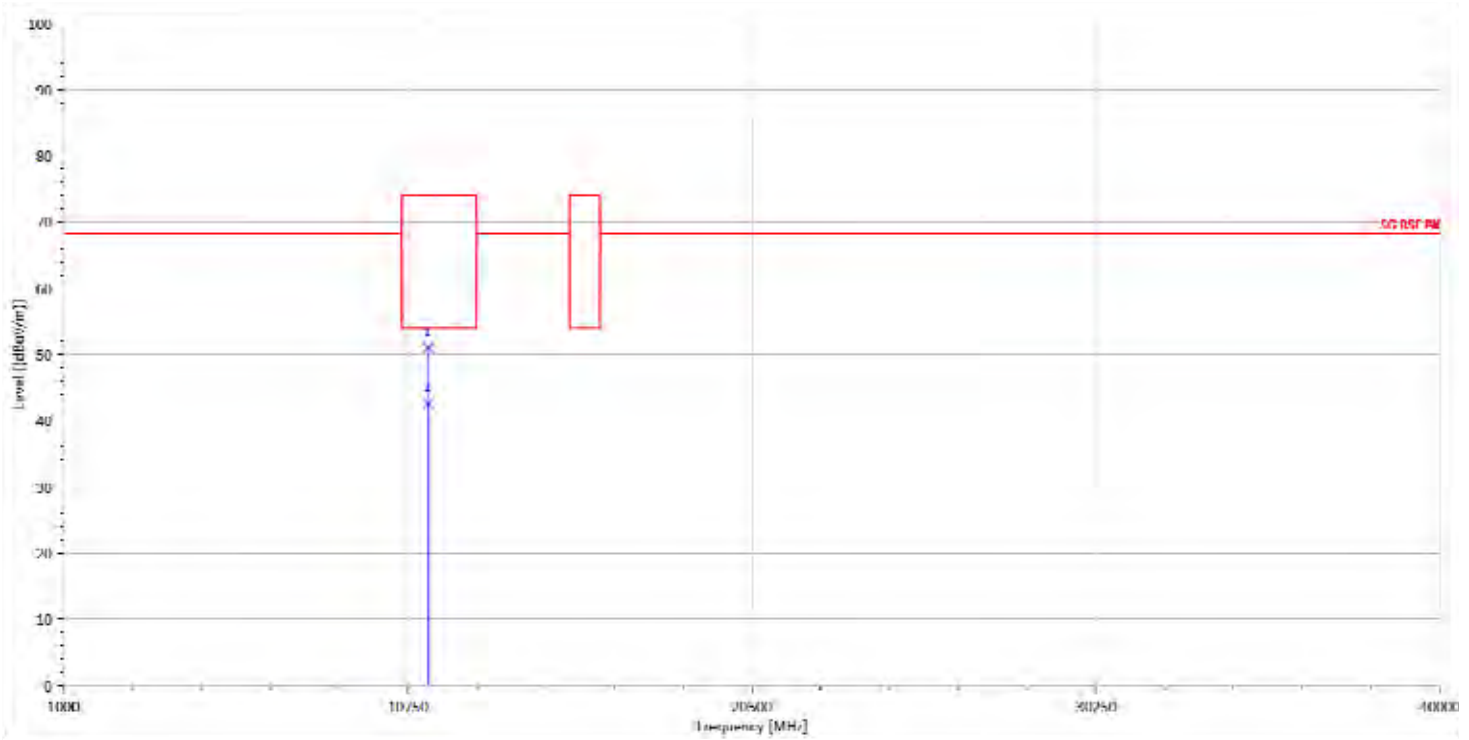
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Operation Mode :	802.11n40B3	Test Date :	2017/11/1
Fundamental Frequency :	5670 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



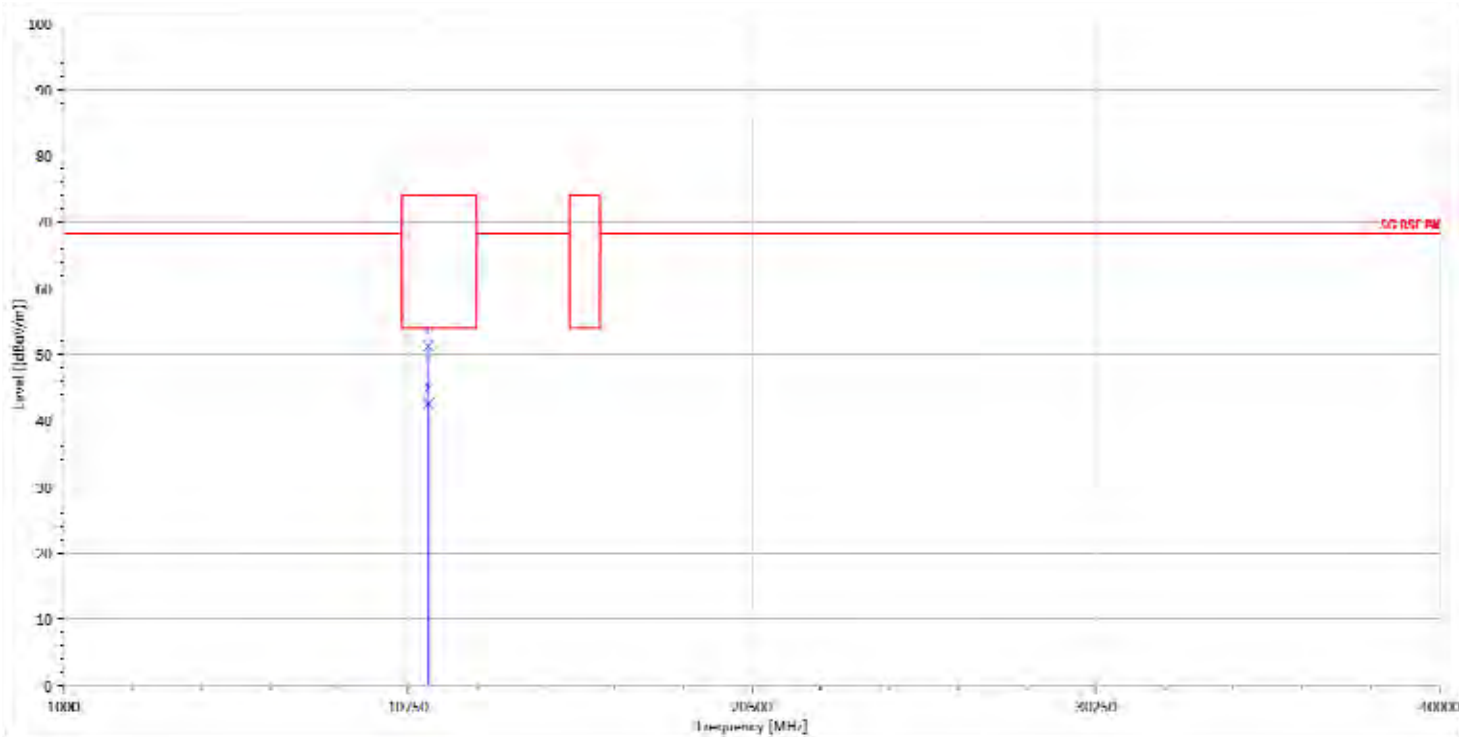
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	H	Peak	30.11	20.97	51.07	74	-22.93
11340.00	H	Average	21.69	20.97	42.66	54	-11.34

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Operation Mode :	802.11n40B3	Test Date :	2017/11/1
Fundamental Frequency :	5670 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	H	Peak	30.34	20.97	51.30	74	-22.70
11340.00	H	Average	21.63	20.97	42.60	54	-11.40

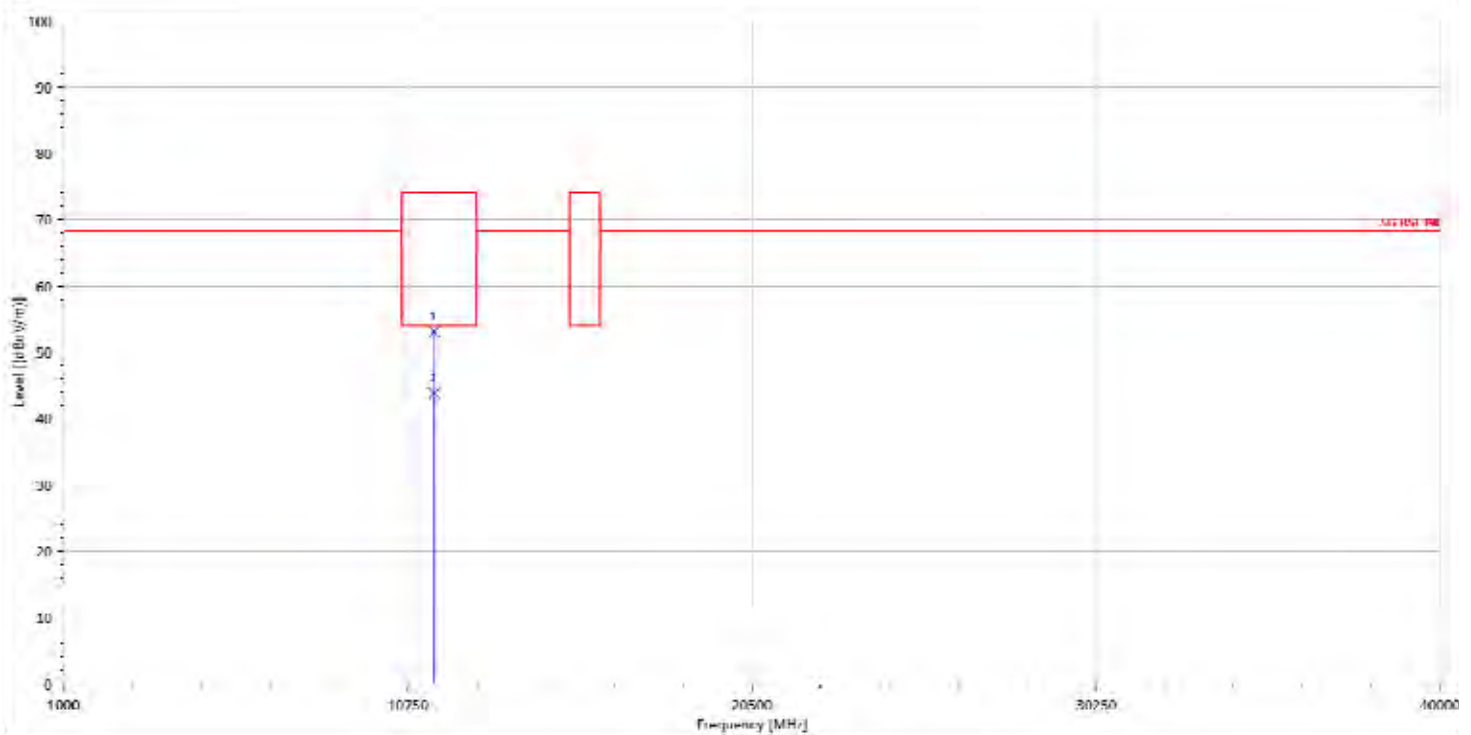
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### Radiated Spurious Emission Measurement Result 802.11n HT40, 5725~5850 MHz

Operation Mode :	802.11n40B4	Test Date :	2017/11/1
Fundamental Frequency :	5755 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



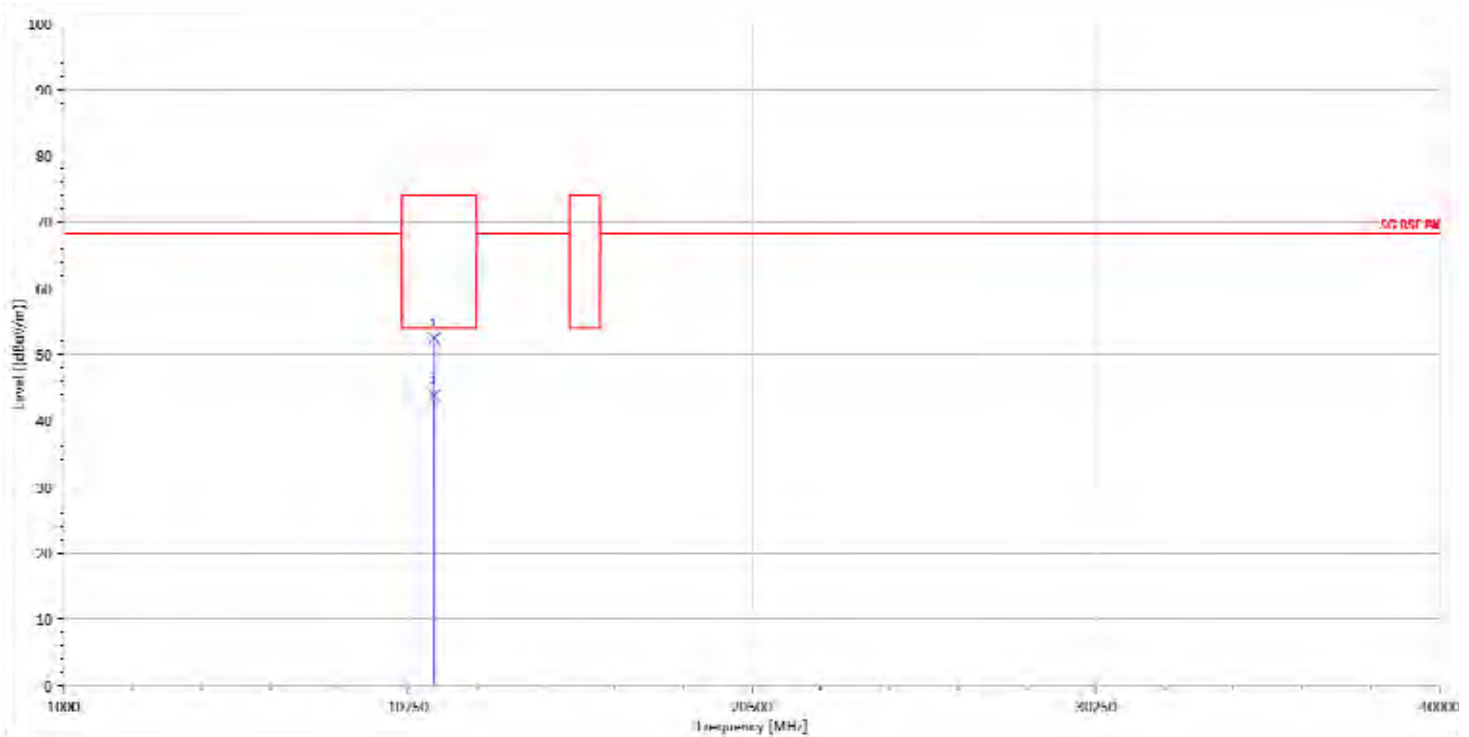
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	H	Peak	30.94	22.17	53.10	74	-20.90
11510.00	H	Average	21.66	22.17	43.83	54	-10.17

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Operation Mode : 802.11n40B4      Test Date : 2017/11/1  
 Fundamental Frequency : 5755 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH LOW      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



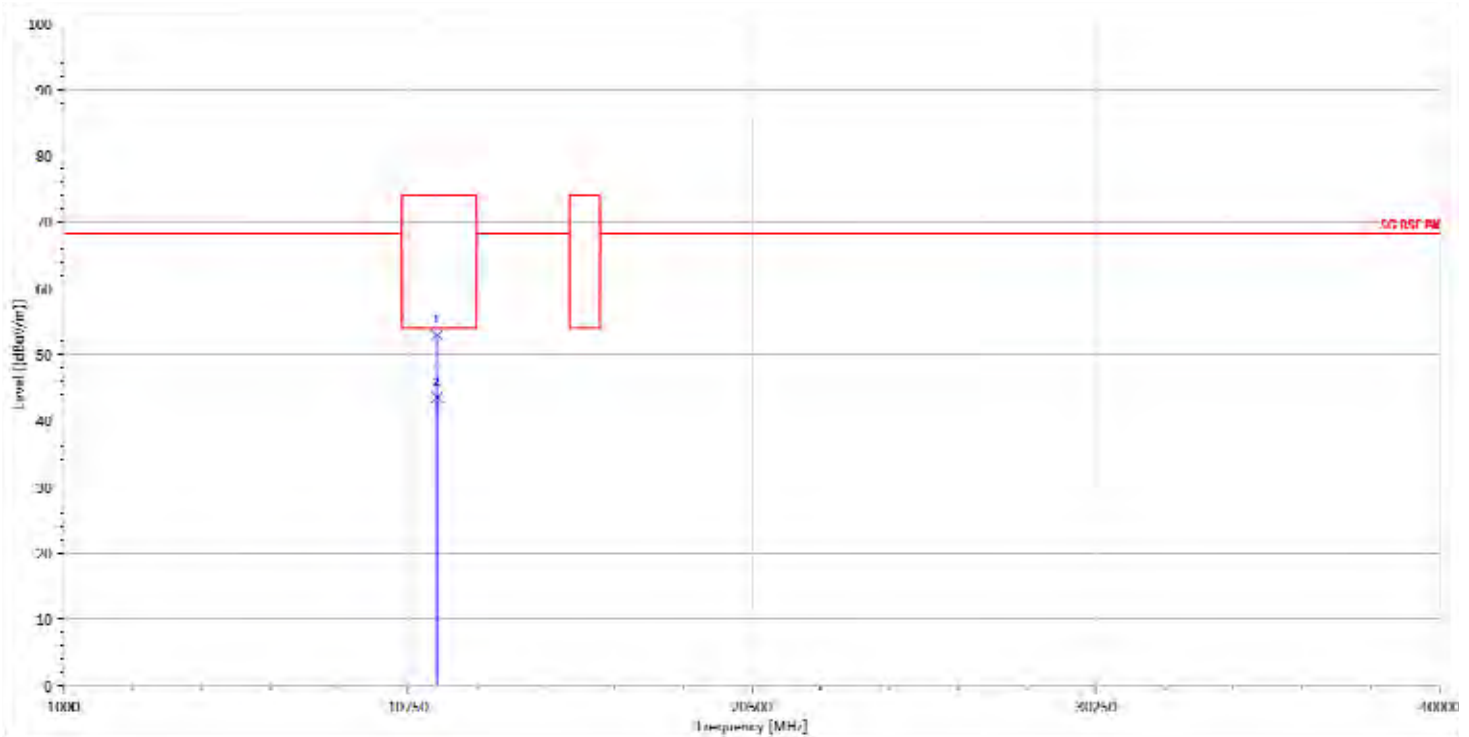
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	H	Peak	30.31	22.17	52.48	74	-21.52
11510.00	H	Average	21.62	22.17	43.79	54	-10.21

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Operation Mode :	802.11n40B4	Test Date :	2017/11/1
Fundamental Frequency :	5795 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



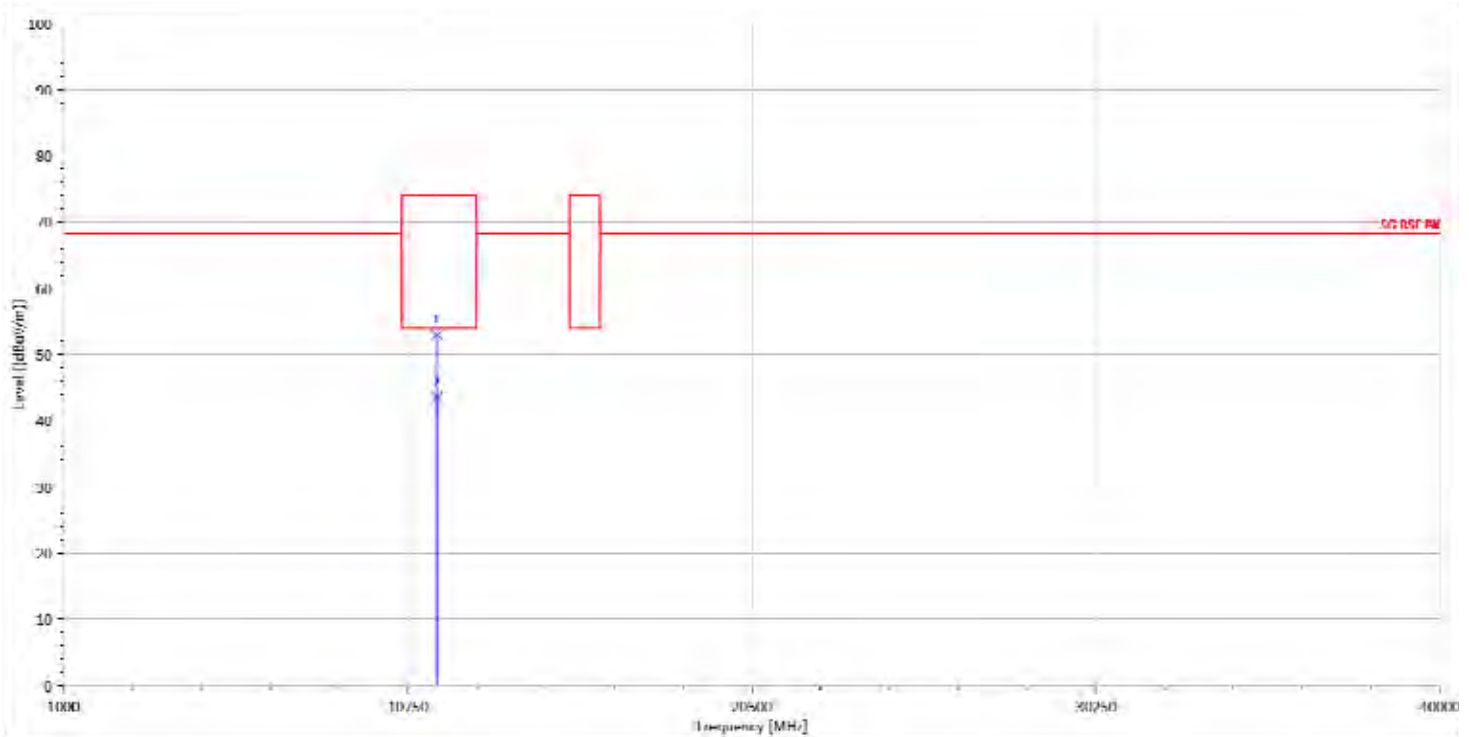
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	H	Peak	31.08	21.84	52.93	74	-21.07
11590.00	H	Average	21.73	21.84	43.57	54	-10.43

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Operation Mode : 802.11n40B4      Test Date : 2017/11/1  
 Fundamental Frequency : 5795 MHz      Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : TX CH HIGH      Test Engineer : Enzo  
 EUT Pol. : E2      Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	H	Peak	31.10	21.84	52.94	74	-21.06
11590.00	H	Average	21.69	21.84	43.53	54	-10.47

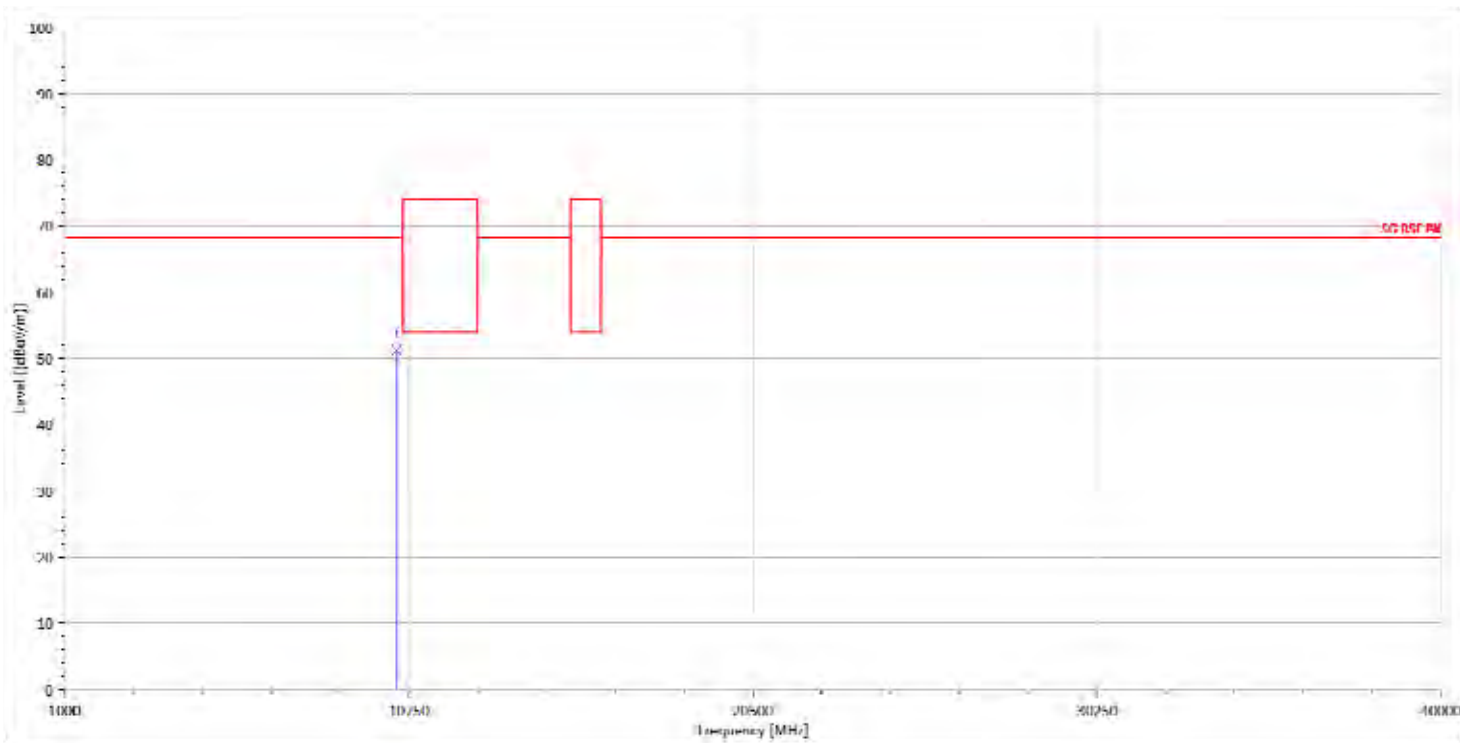
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### Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5150~5250 MHz

Operation Mode :	802.11ac80B1	Test Date :	2017/11/1
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



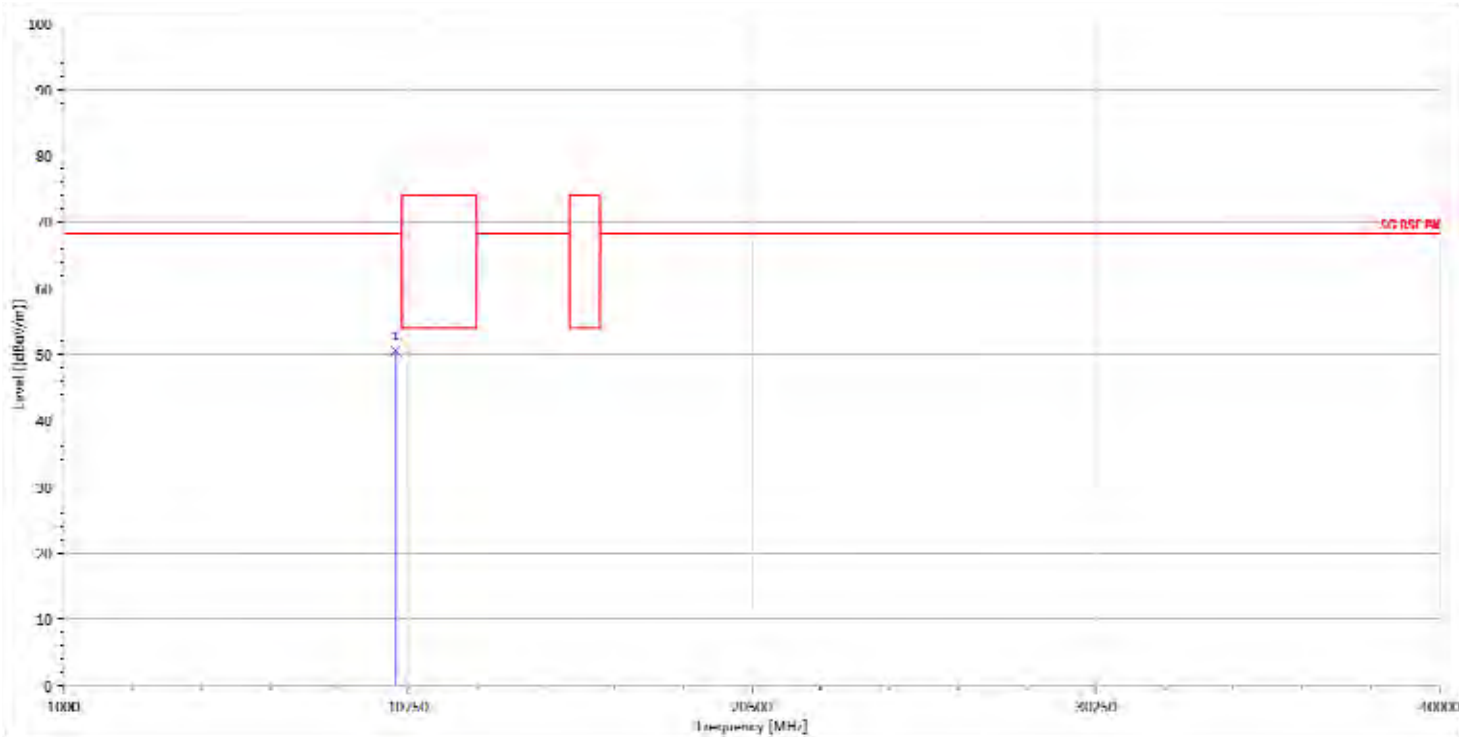
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	H	Peak	30.60	20.67	51.27	68.3	-17.03

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Operation Mode :	802.11ac80B1	Test Date :	2017/11/1
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	H	Peak	29.91	20.67	50.57	68.3	-17.73

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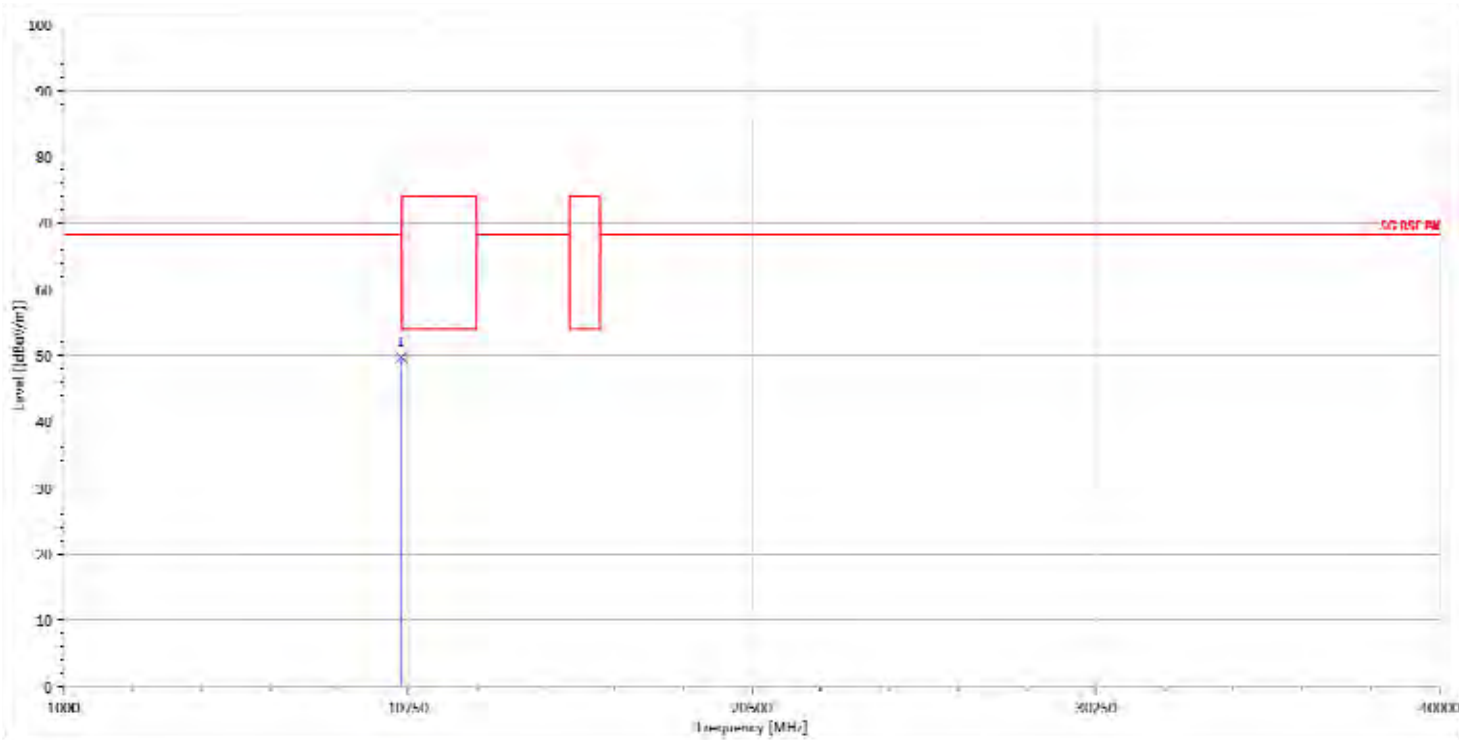
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### Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5250~5350 MHz

Operation Mode :	802.11ac80B2	Test Date :	2017/11/1
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



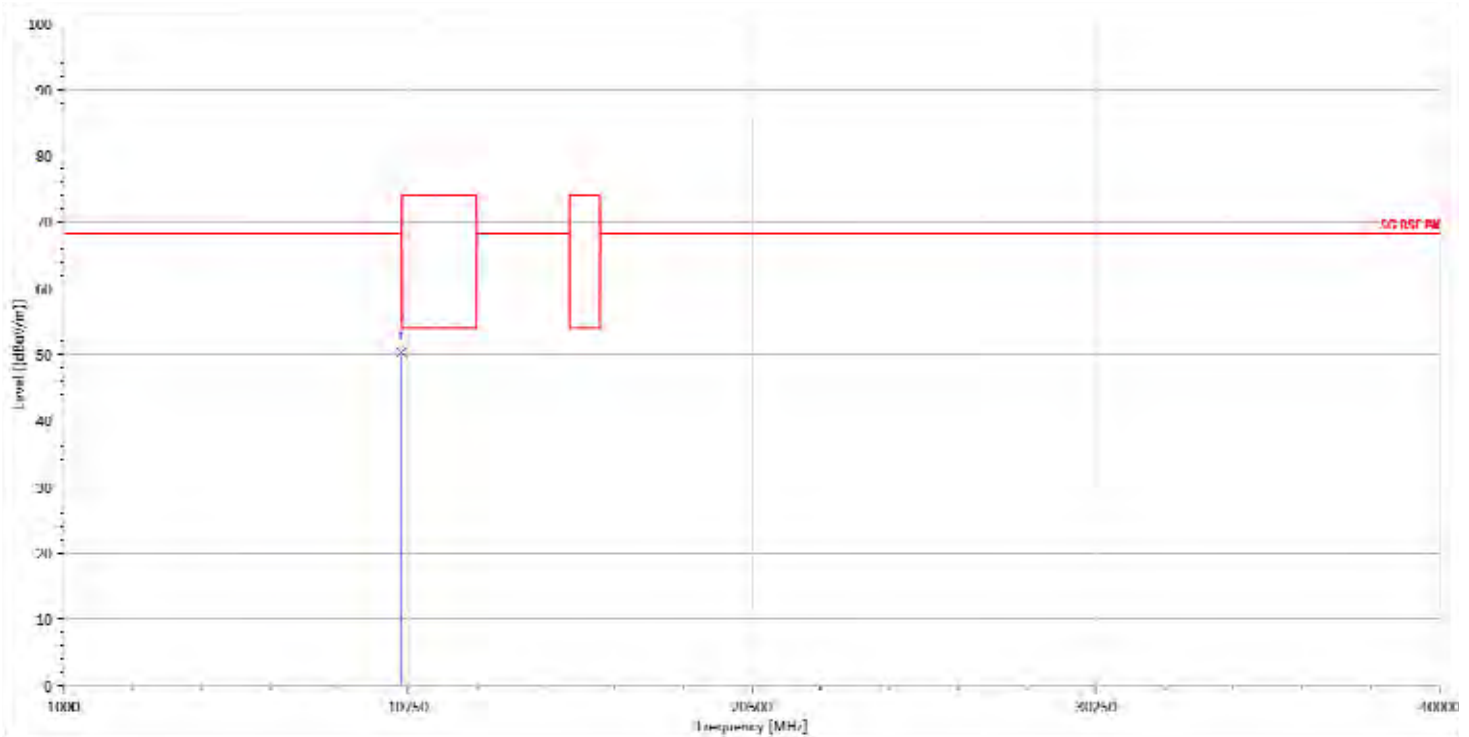
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	H	Peak	29.61	20.12	49.73	68.3	-18.57

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Operation Mode :	802.11ac80B2	Test Date :	2017/11/1
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	H	Peak	30.20	20.12	50.32	68.3	-17.98

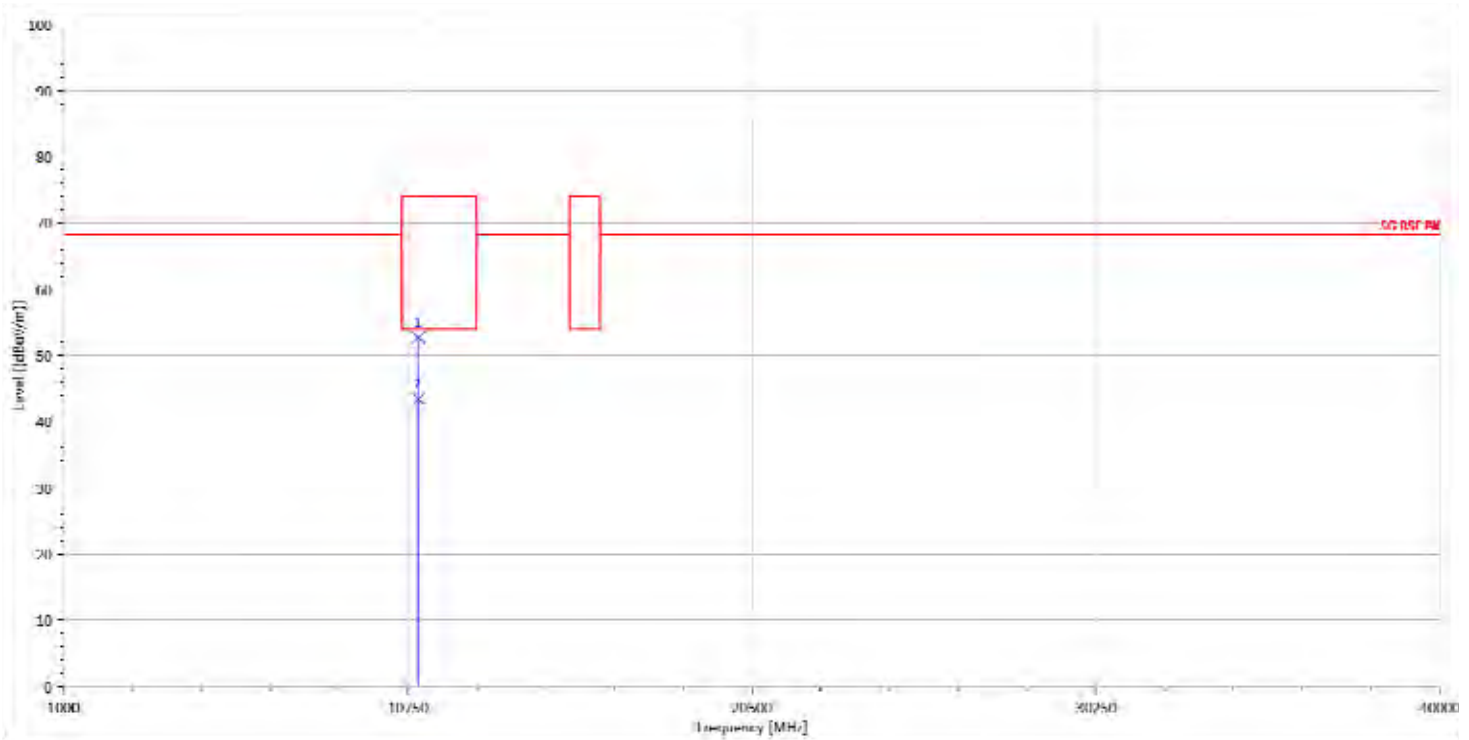
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

Operation Mode :	802.11ac80B3	Test Date :	2017/11/1
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



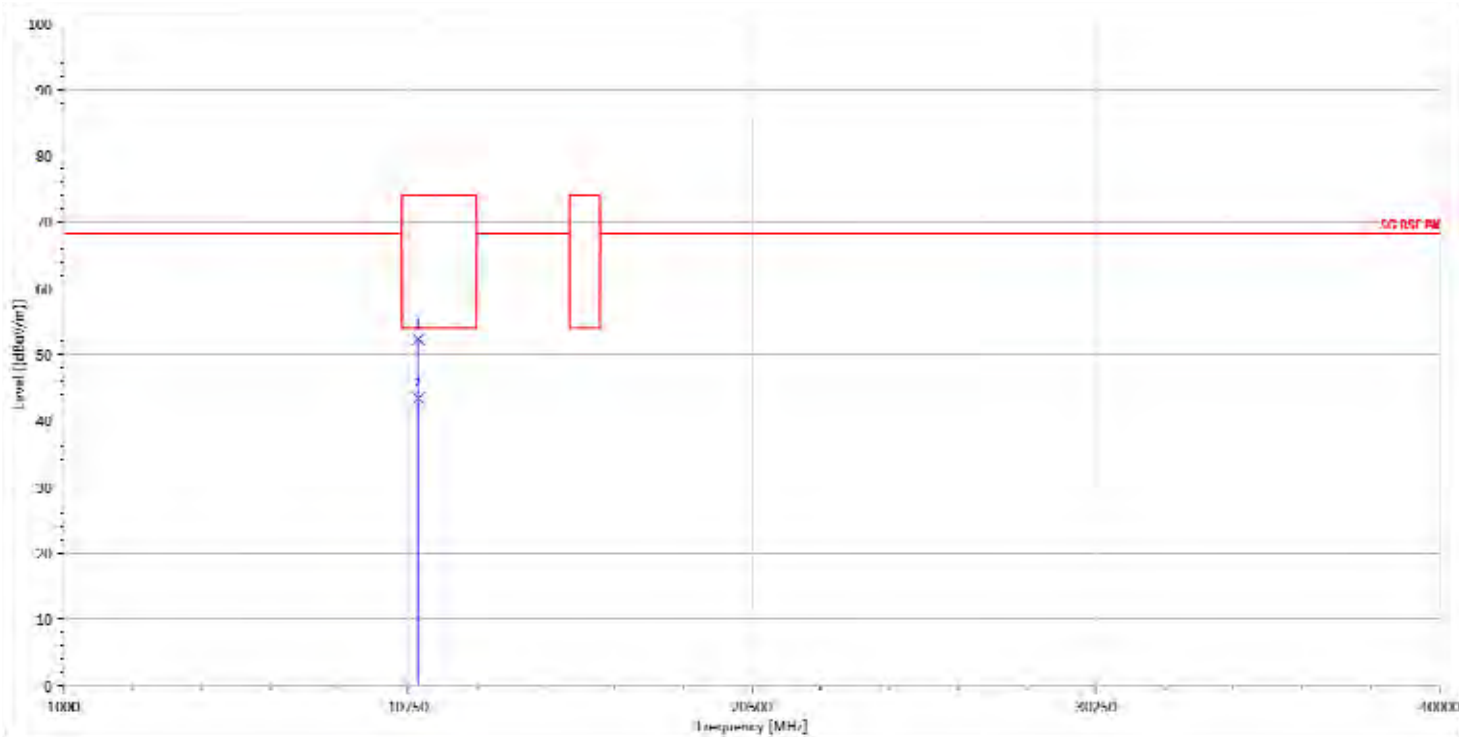
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11060.00	H	Peak	30.89	21.83	52.72	74	-21.28
11060.00	H	Average	21.64	21.83	43.47	54	-10.53

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Operation Mode :	802.11ac80B3	Test Date :	2017/11/1
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



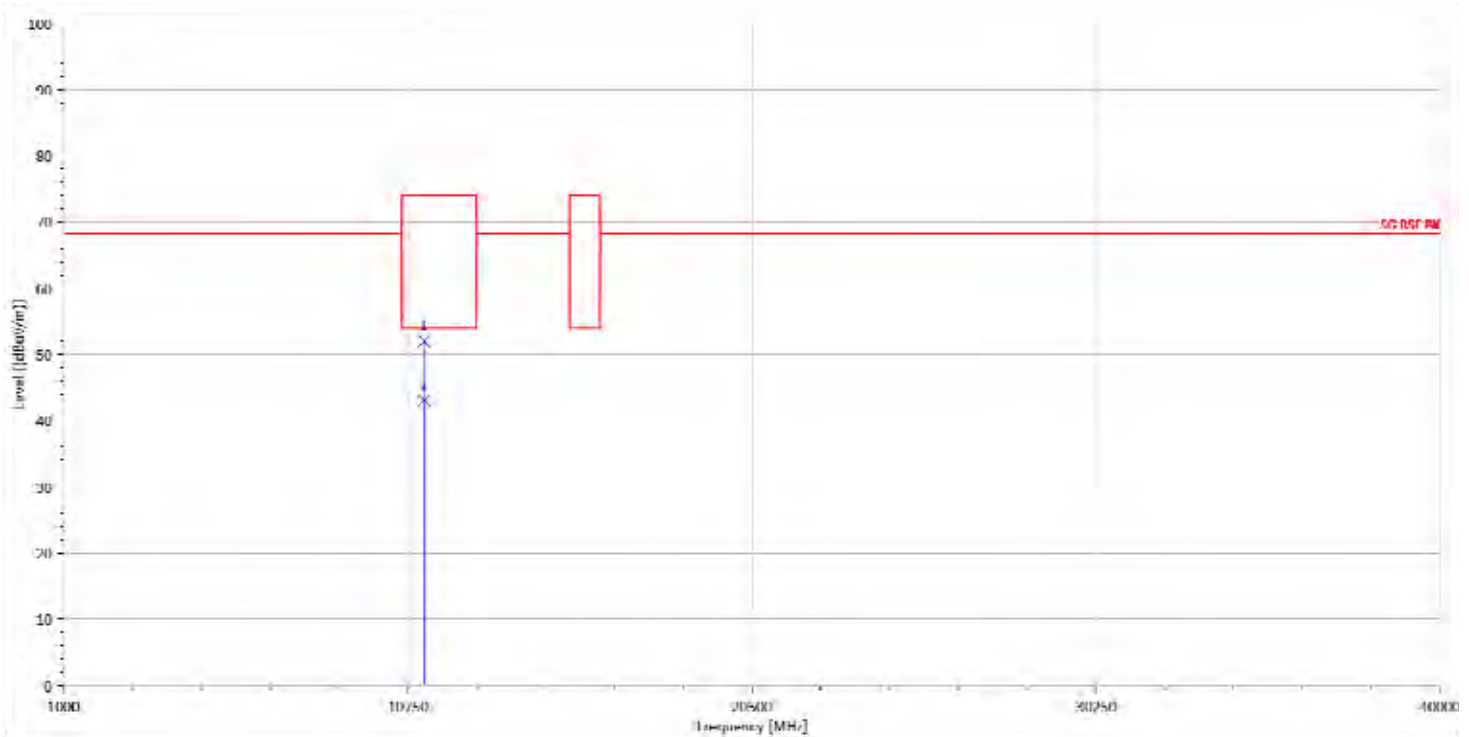
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11060.00	H	Peak	30.48	21.83	52.31	74	-21.69
11060.00	H	Average	21.59	21.83	43.42	54	-10.58

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Operation Mode :	802.11ac80B3	Test Date :	2017/11/1
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



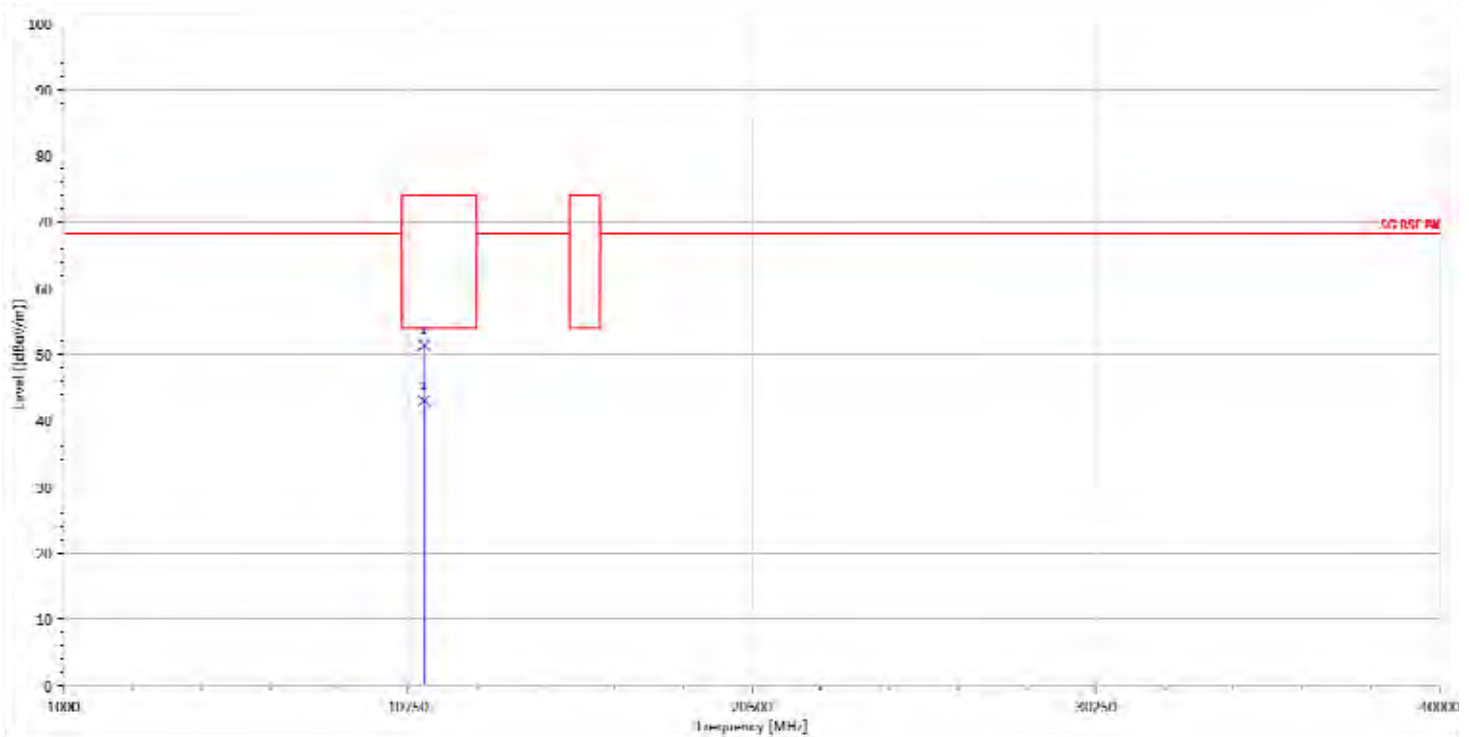
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11220.00	H	Peak	30.70	21.32	52.02	74	-21.98
11220.00	H	Average	21.76	21.32	43.08	54	-10.92

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Operation Mode :	802.11ac80B3	Test Date :	2017/11/1
Fundamental Frequency :	5610 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11220.00	H	Peak	30.11	21.32	51.43	74	-22.57
11220.00	H	Average	21.72	21.32	43.04	54	-10.96

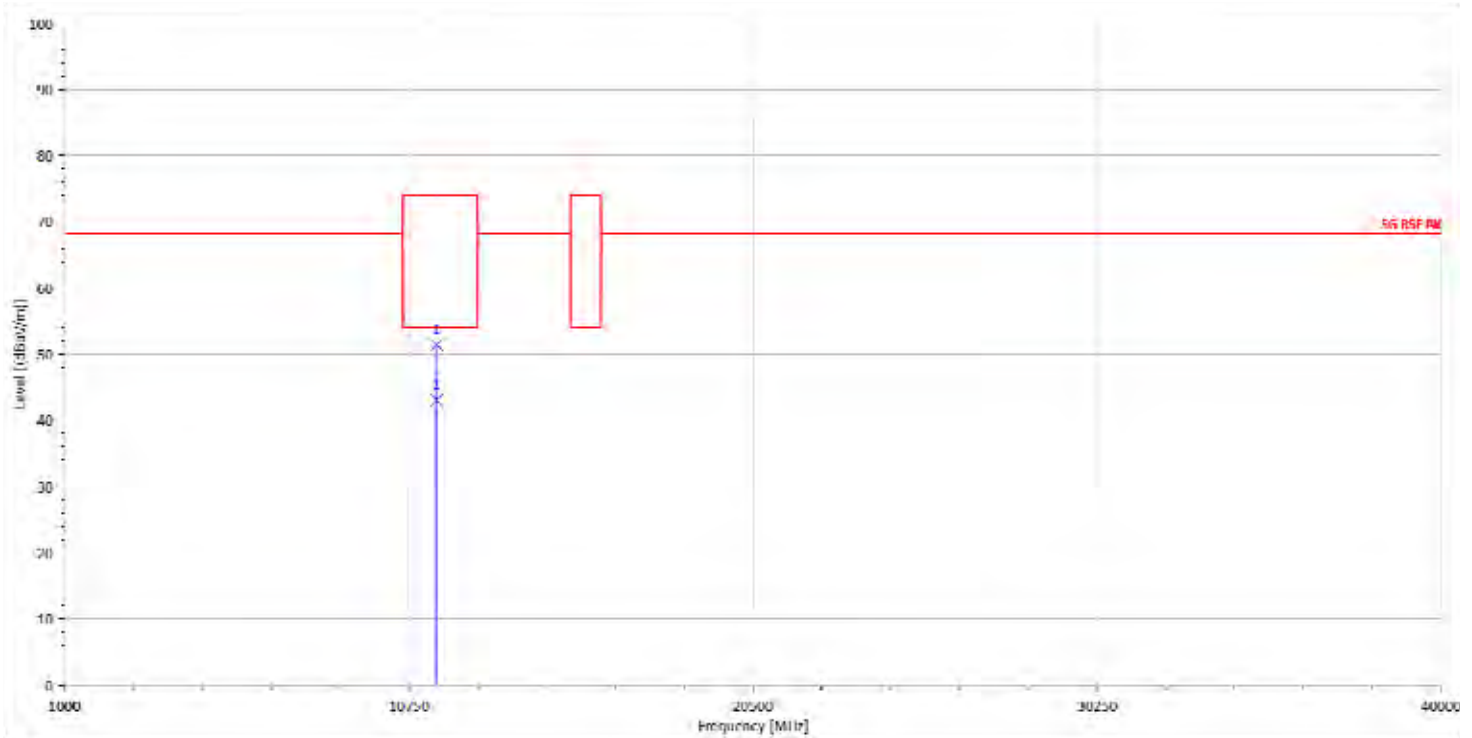
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### Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5725~5850 MHz

Operation Mode :	802.11ac80B4	Test Date :	2017/11/1
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



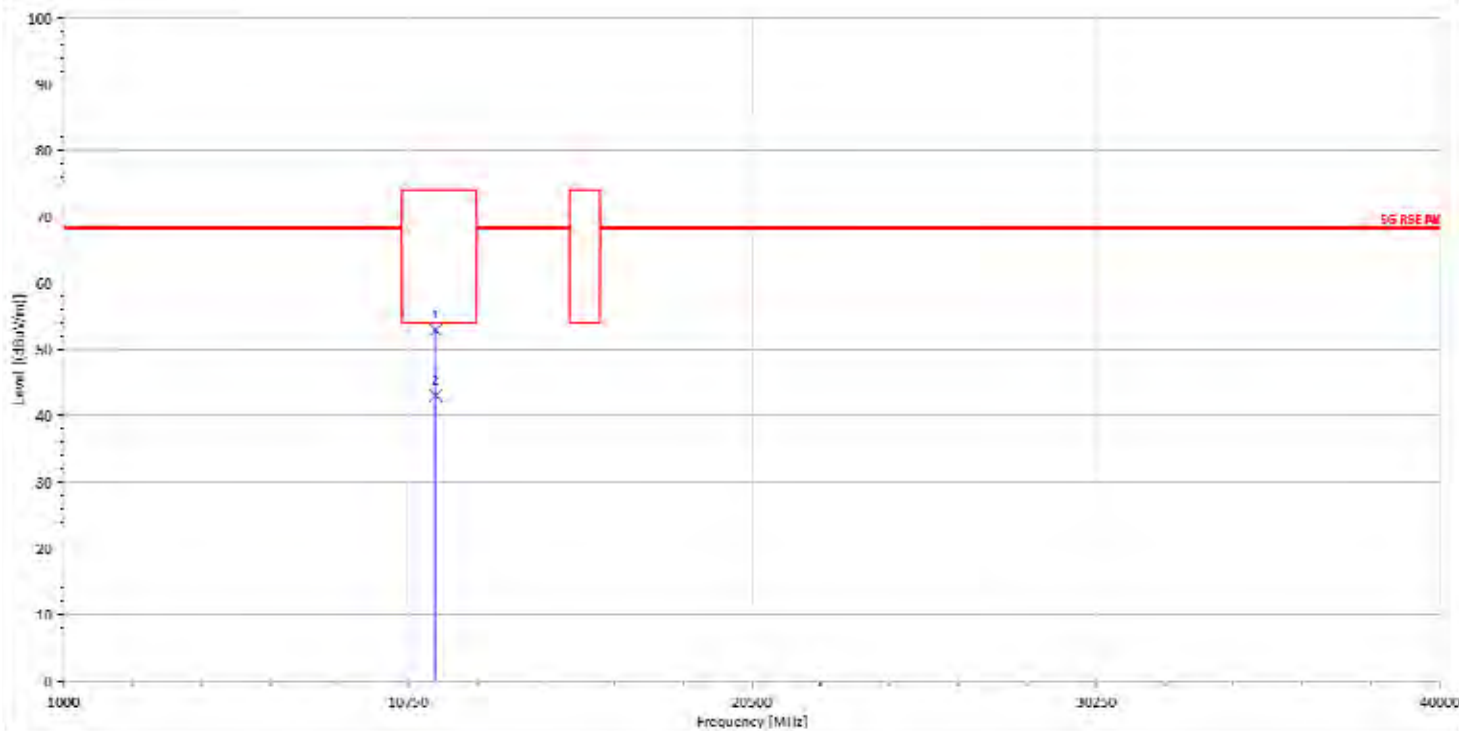
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11550.00	H	Peak	30.00	21.41	51.41	74	-22.59
11550.00	H	Average	21.67	21.41	43.08	54	-10.92

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Operation Mode :	802.11ac80B4	Test Date :	2017/11/1
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11550.00	H	Peak	31.51	21.41	52.93	74	-21.07
11550.00	H	Average	21.61	21.41	43.02	54	-10.98

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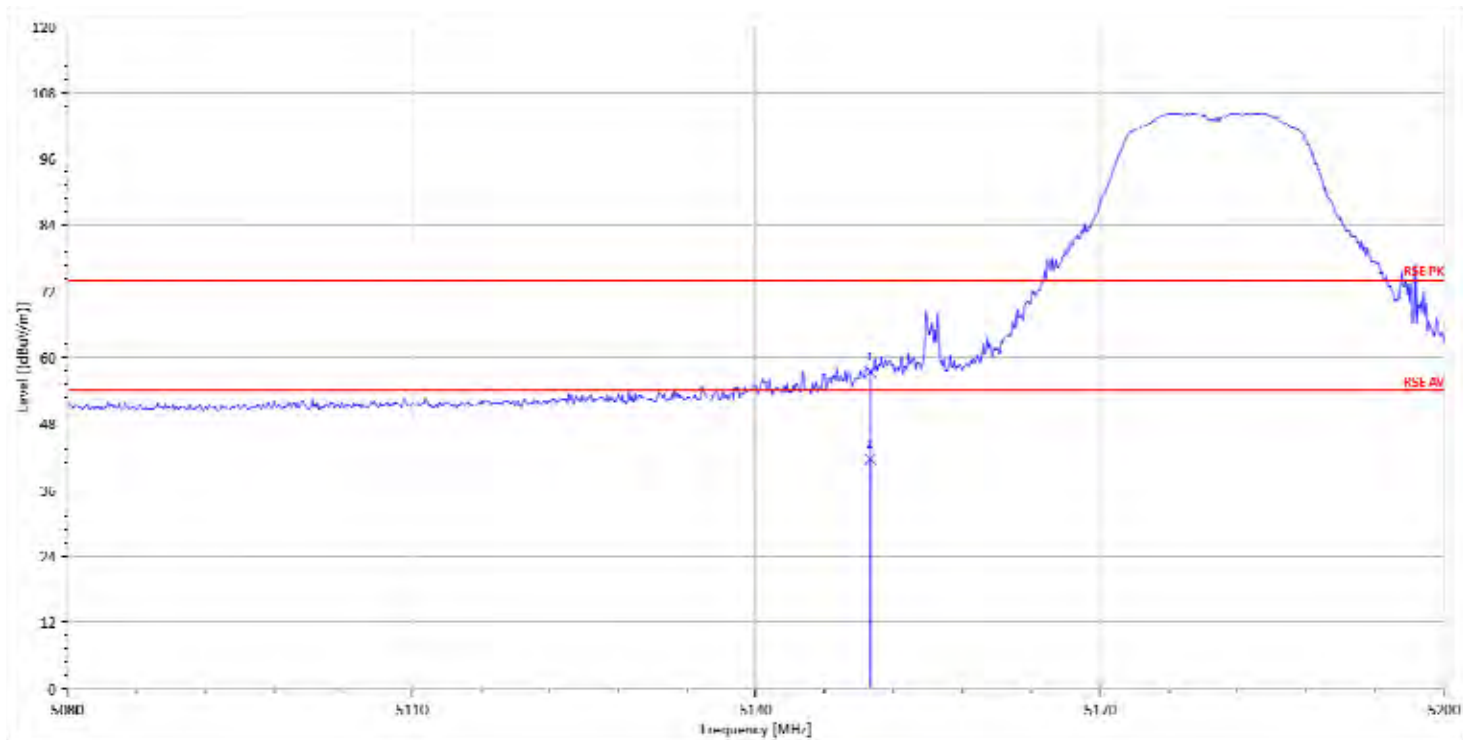
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### Band edge falling to restricted band 802.11a mode

Operation Mode :	802.11aB1	Test Date :	2017/10/31
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



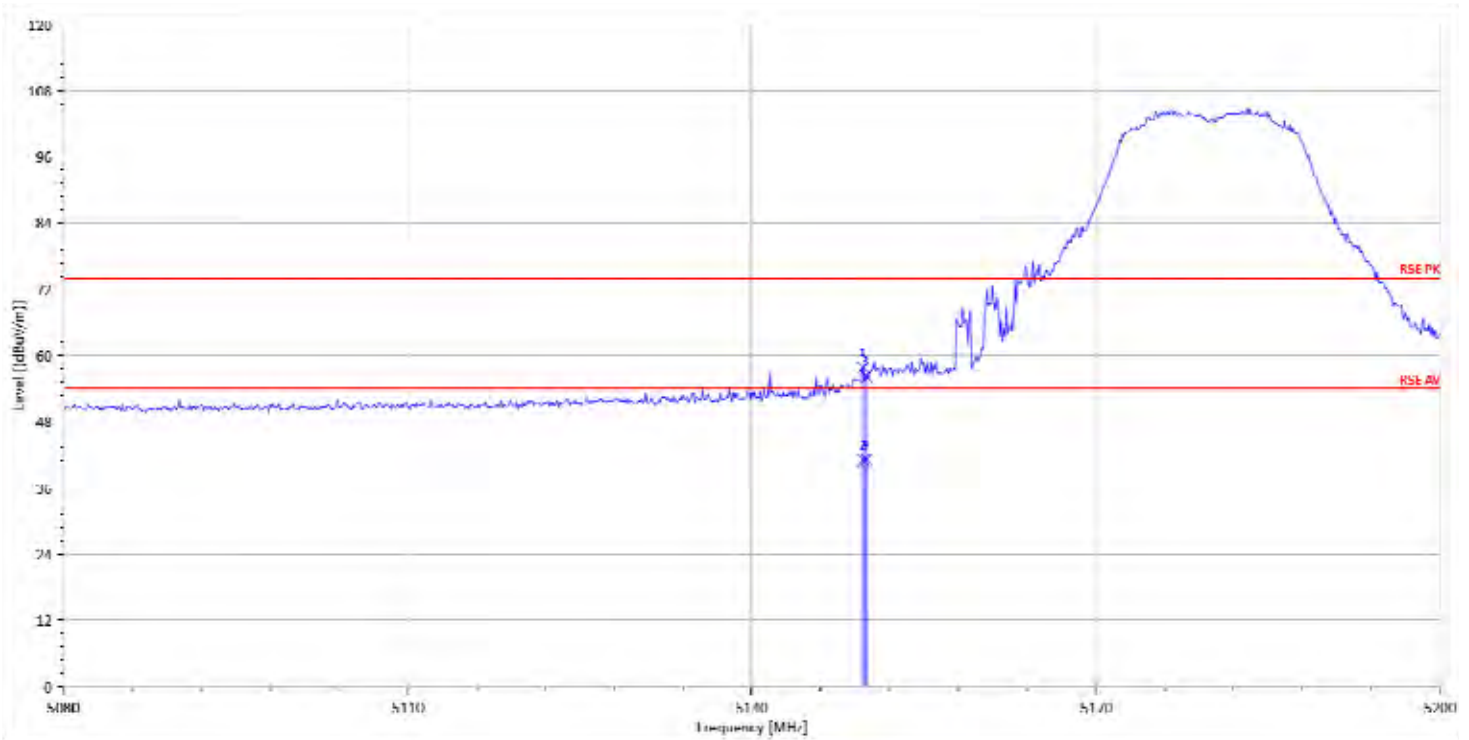
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	E	Peak	49.21	8.19	57.41	74	-16.59
5150.00	E	Average	33.37	8.19	41.56	54	-12.44

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Operation Mode :	802.11aB1	Test Date :	2017/10/31
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



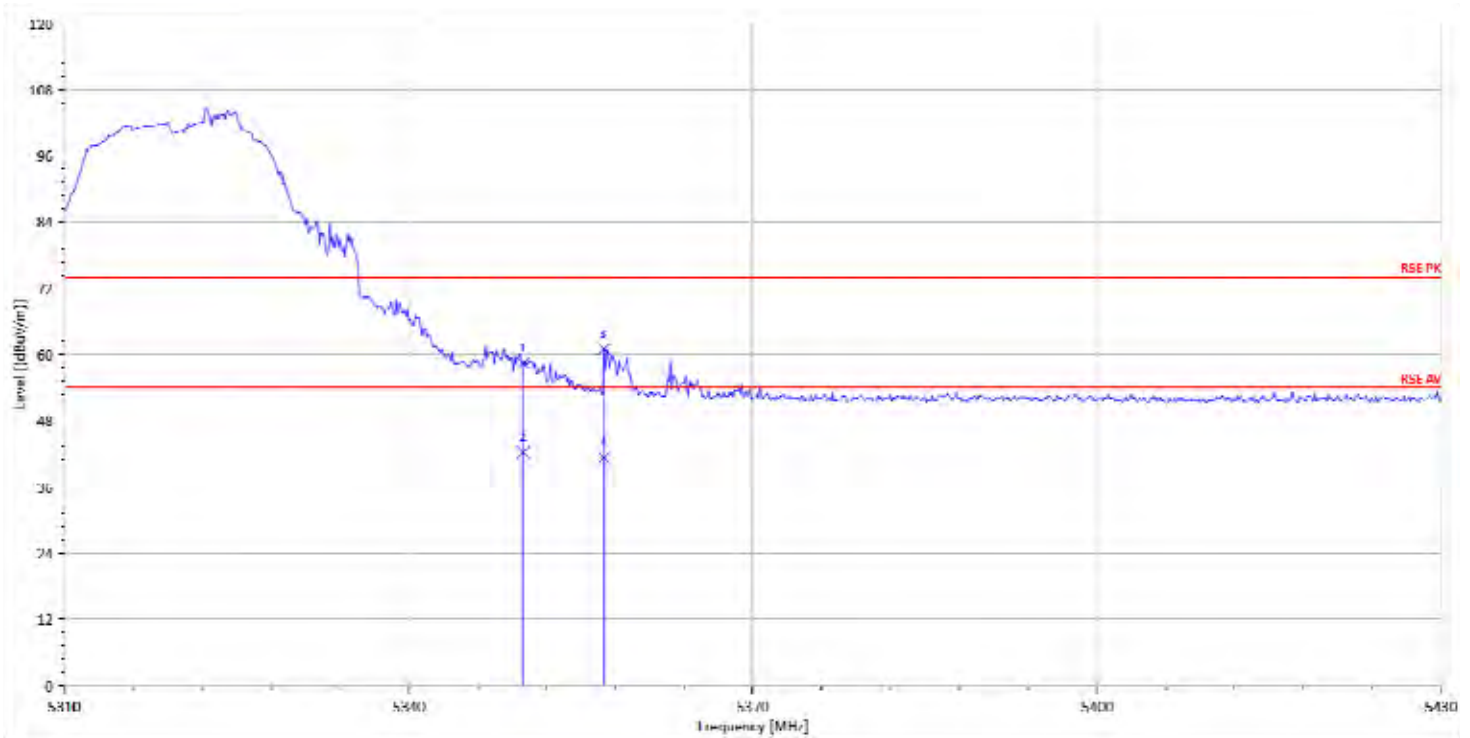
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5149.72	S	Peak	49.70	8.19	57.89	74	-16.11
5149.72	S	Average	32.84	8.19	41.03	54	-12.97
5150.00	E	Peak	48.07	8.19	56.26	74	-17.74
5150.00	E	Average	32.89	8.19	41.08	54	-12.92

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Operation Mode :	802.11aB2	Test Date :	2017/10/31
Fundamental Frequency :	5320 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



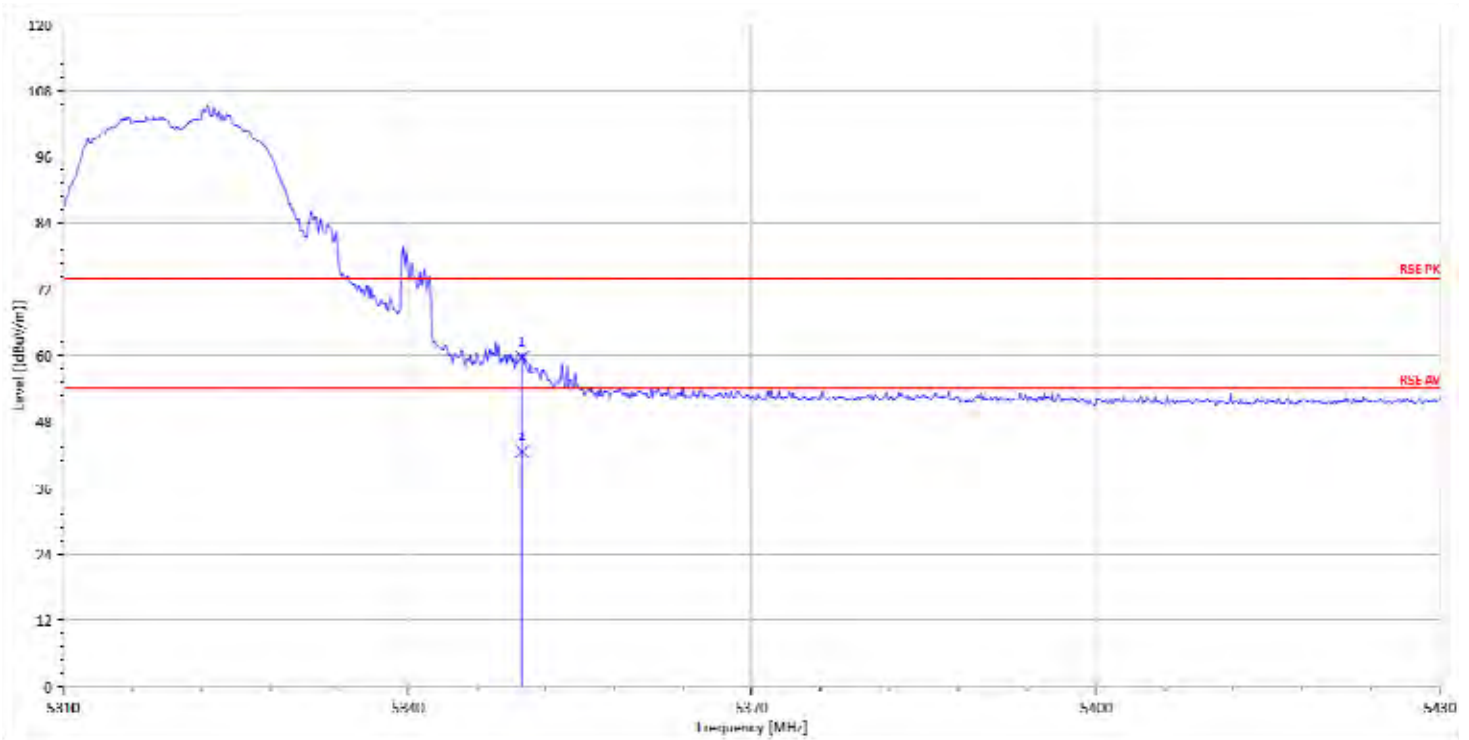
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	E	Peak	49.44	8.96	58.41	74	-15.59
5350.00	E	Average	33.29	8.96	42.25	54	-11.75
5357.04	S	Peak	52.06	8.95	61.01	74	-12.99
5357.04	S	Average	32.32	8.95	41.27	54	-12.73

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Operation Mode :	802.11aB2	Test Date :	2017/10/31
Fundamental Frequency :	5320 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



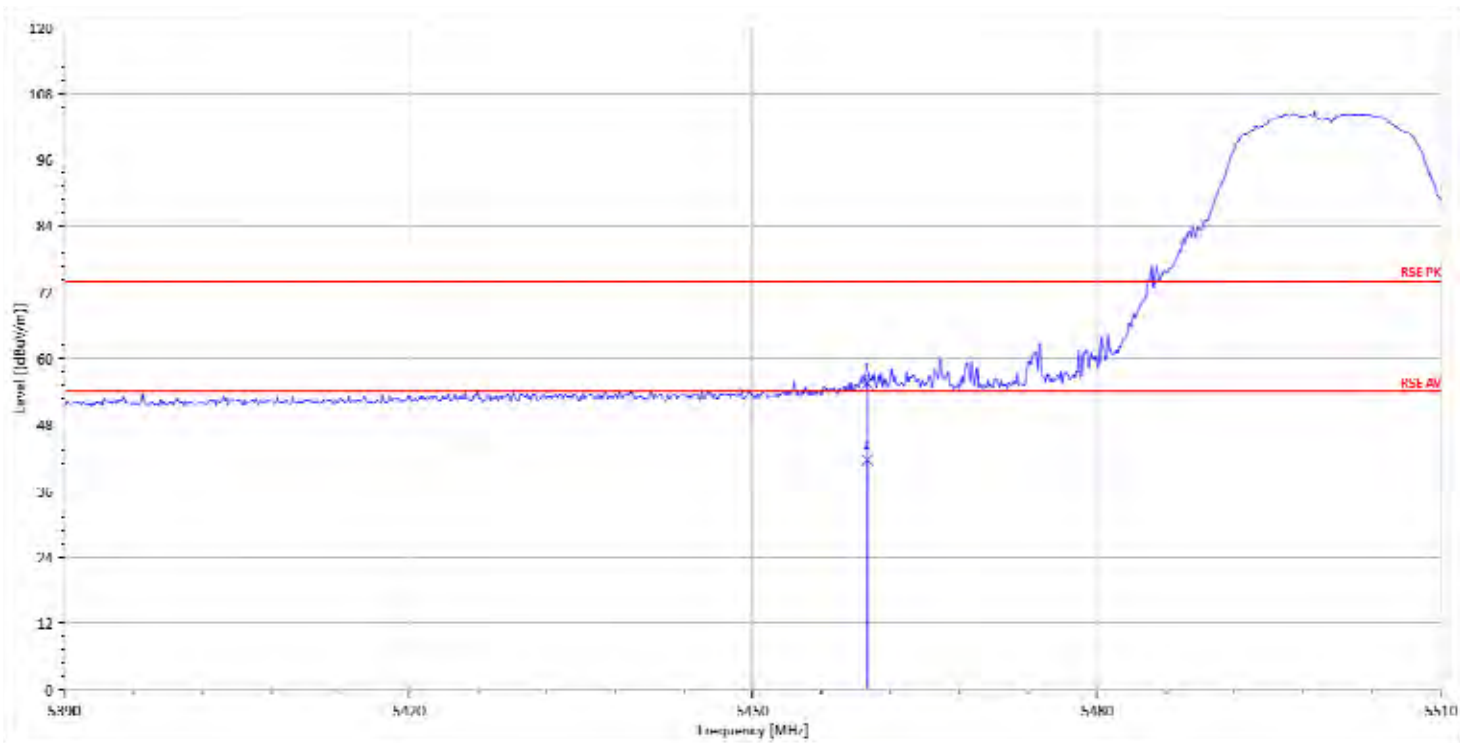
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	E	Peak	50.74	8.96	59.70	74	-14.30
5350.00	E	Average	33.62	8.96	42.58	54	-11.42

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Operation Mode :	802.11aB3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



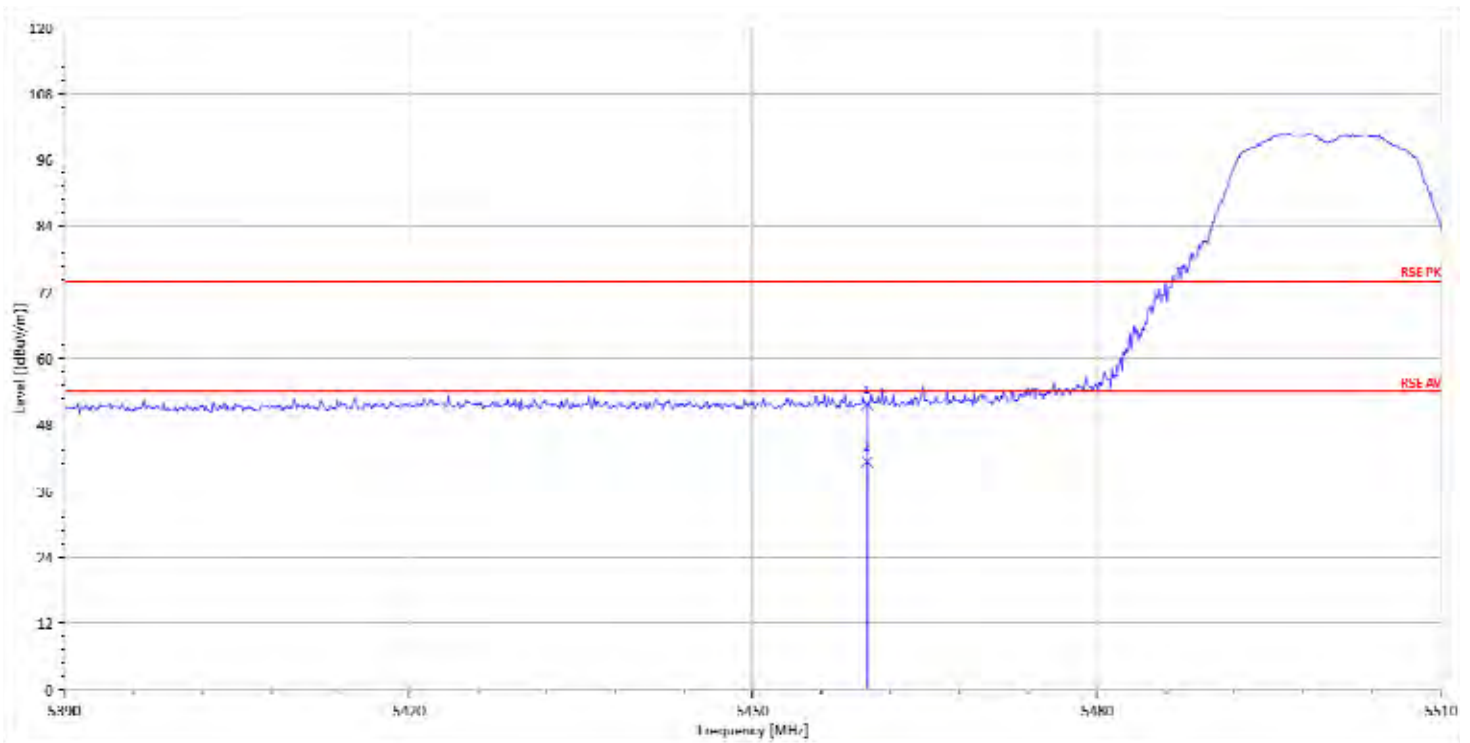
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	E	Peak	46.71	8.88	55.59	74	-18.41
5460.00	E	Average	32.71	8.88	41.59	54	-12.41

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Operation Mode :	802.11aB3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



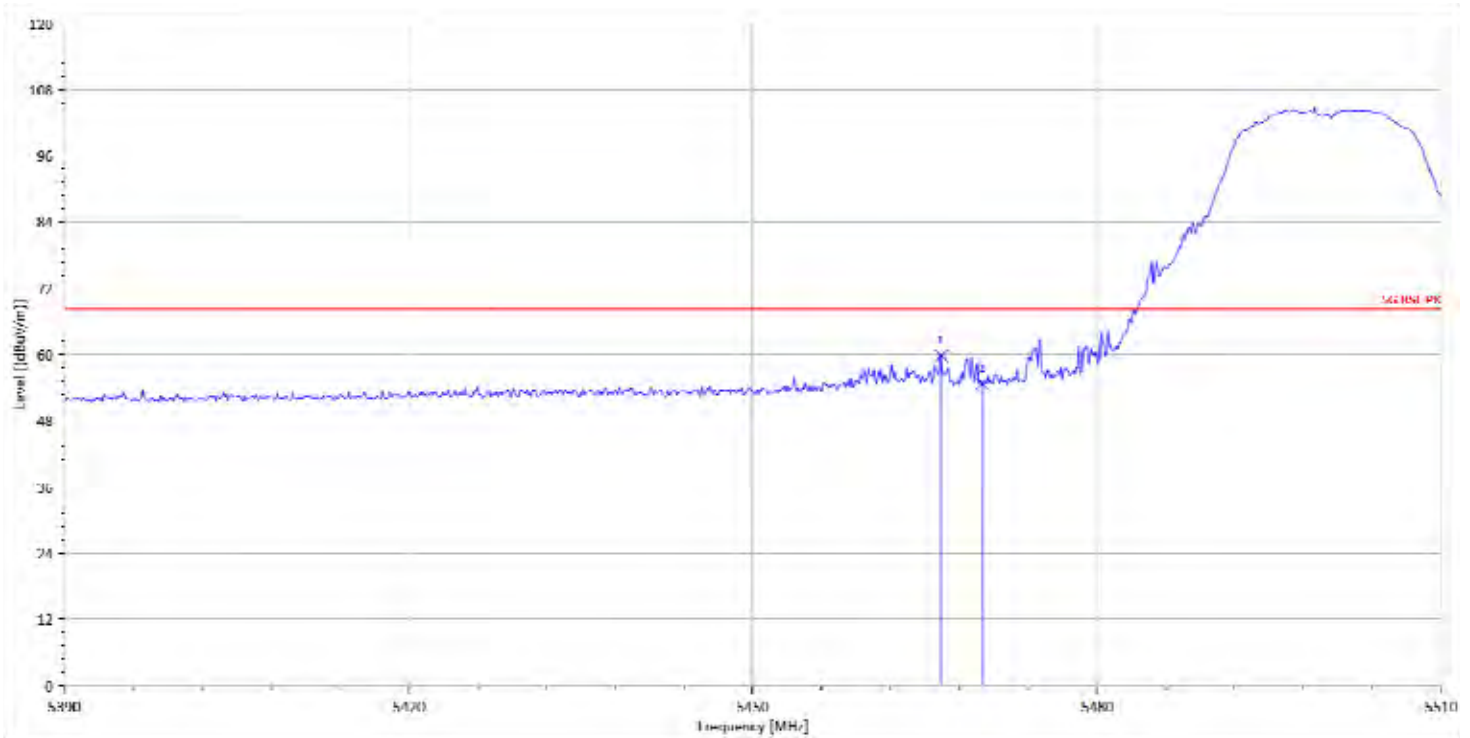
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	E	Peak	42.84	8.88	51.72	74	-22.28
5460.00	E	Average	32.33	8.88	41.21	54	-12.79

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Operation Mode :	802.11aB3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



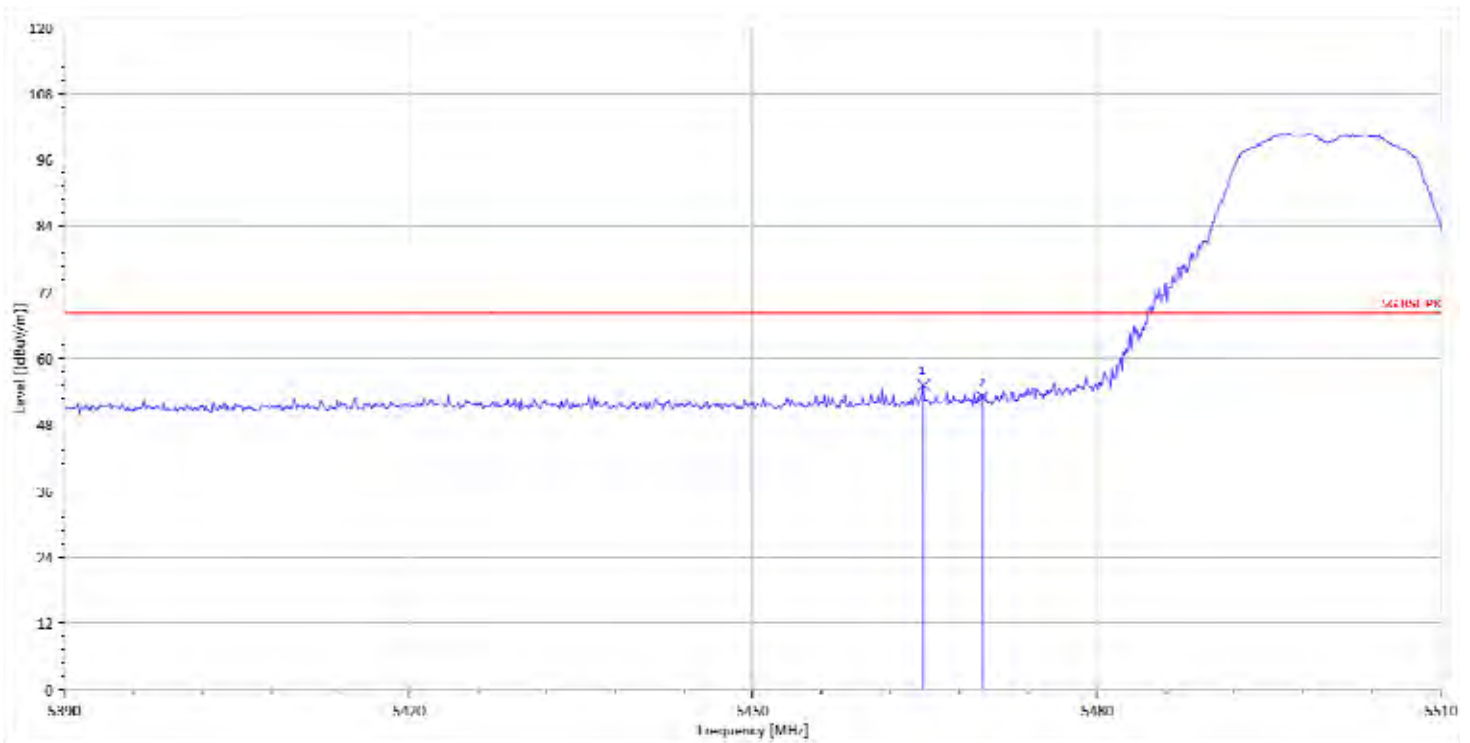
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5466.44	S	Peak	50.99	8.82	59.82	68.3	-8.48
5470.00	E	Peak	45.93	8.79	54.72	68.3	-13.58

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Operation Mode :	802.11aB3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5464.88	S	Peak	46.36	8.84	55.19	68.3	-13.11
5470.00	E	Peak	44.22	8.79	53.01	68.3	-15.29

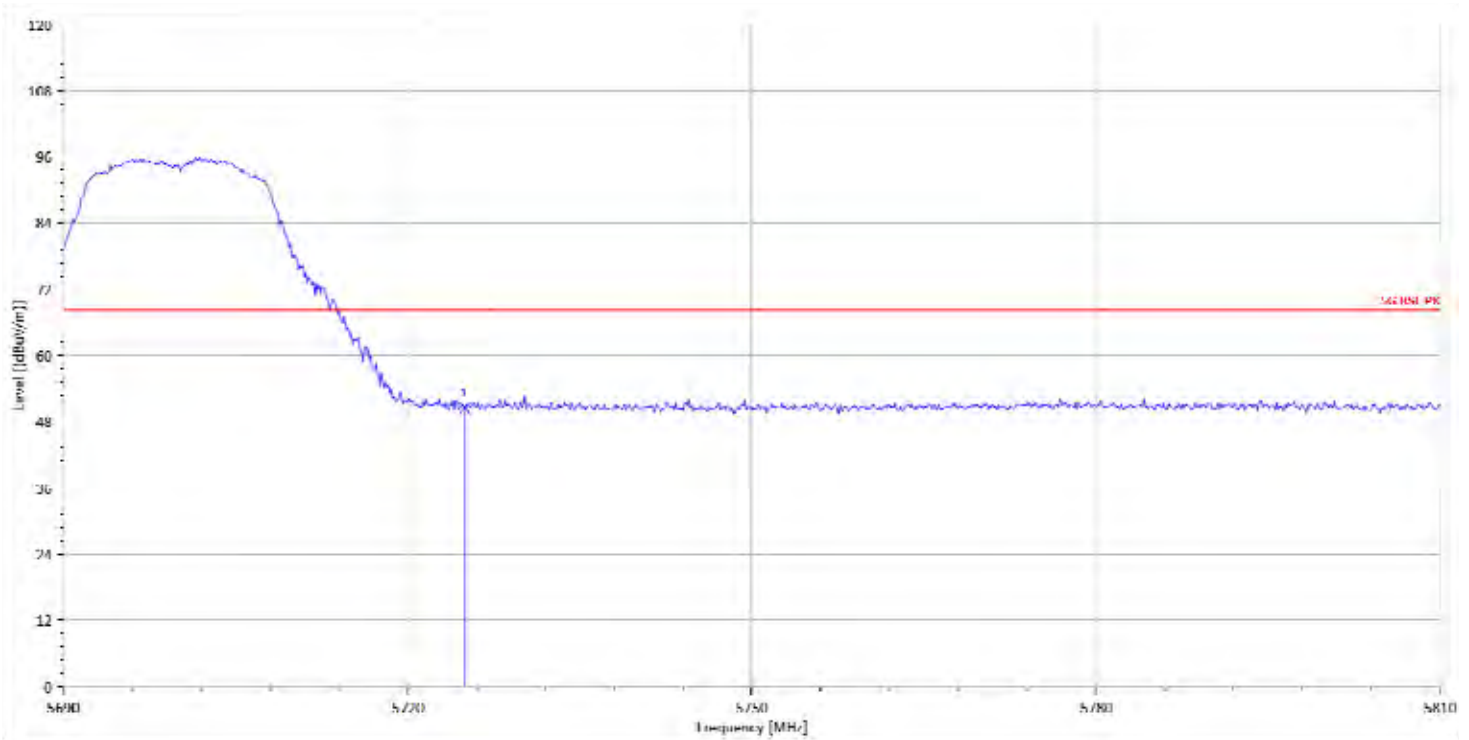
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Operation Mode :	802.11aB3	Test Date :	2017/10/31
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



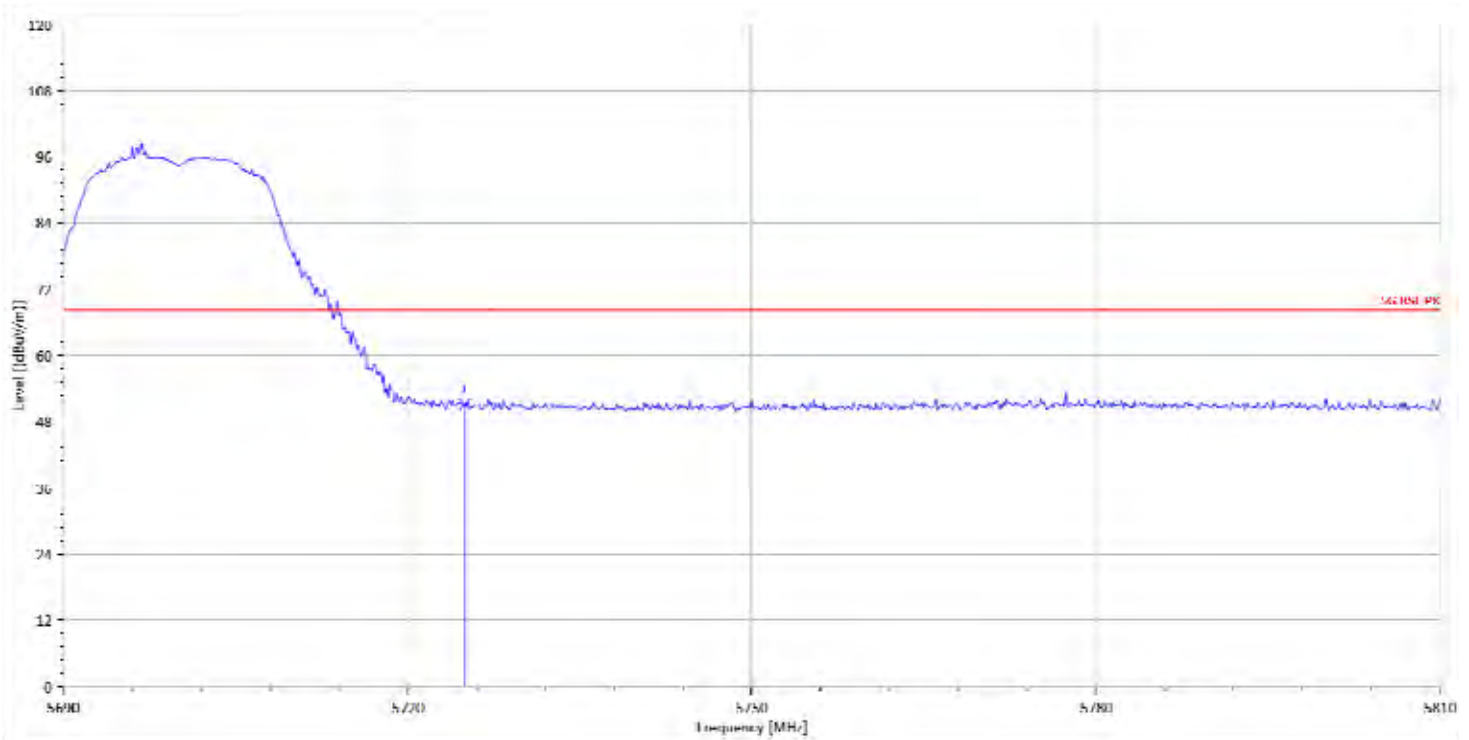
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	E	Peak	41.19	9.30	50.49	68.3	-17.81

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Operation Mode :	802.11aB3	Test Date :	2017/10/31
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



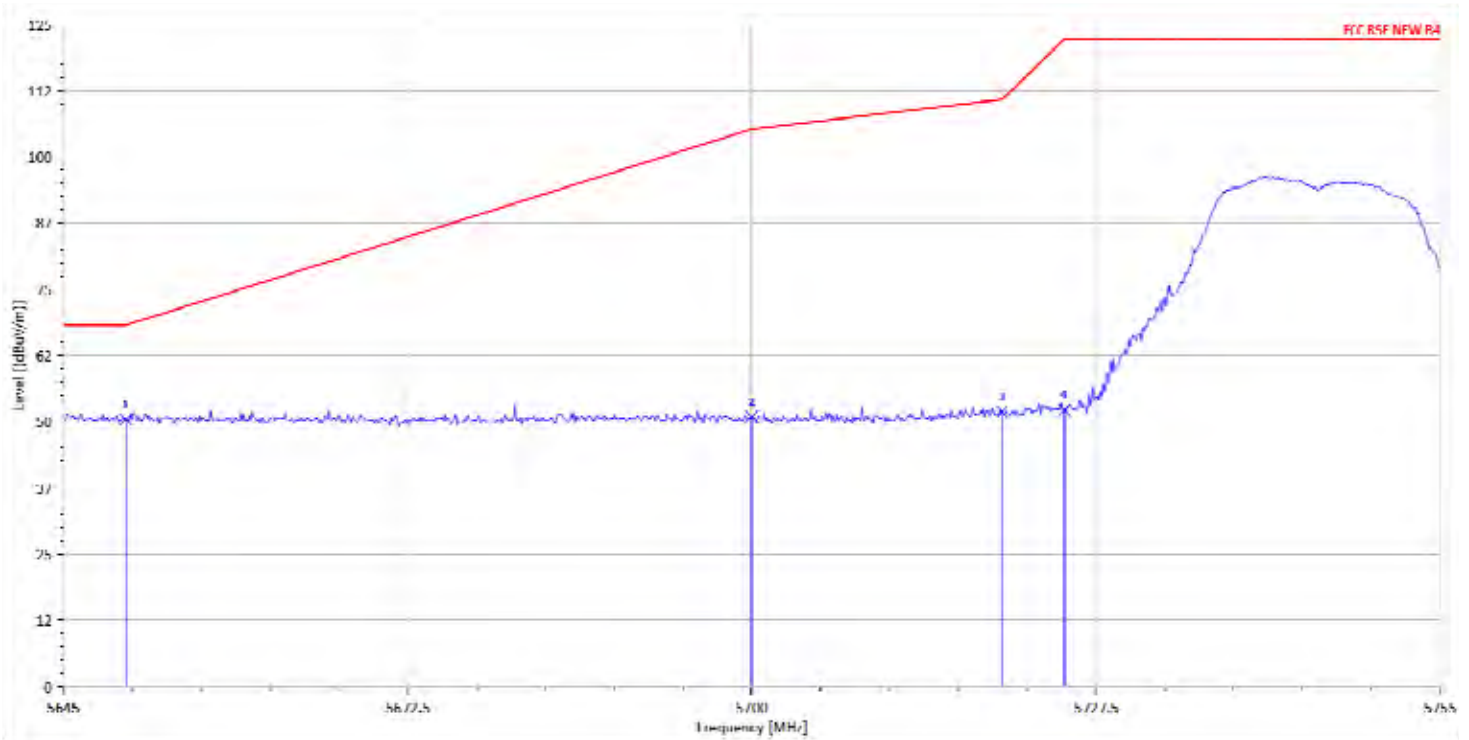
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.00	E	Peak	41.82	9.30	51.13	68.3	-17.18

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Operation Mode :	802.11aB4	Test Date :	2017/10/31
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



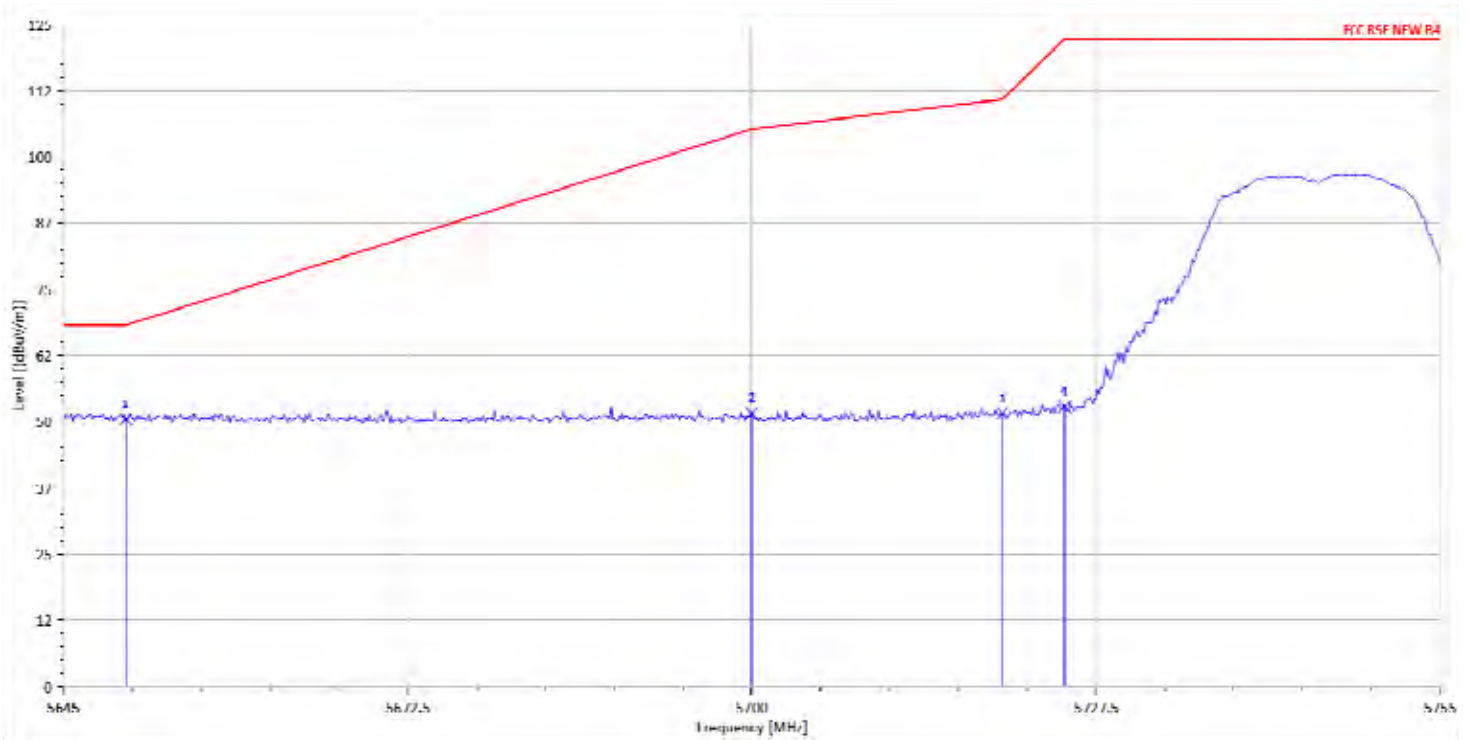
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.00	S	Peak	41.08	9.33	50.41	68.23	-17.82
5700.00	S	Peak	41.53	9.44	50.97	105.23	-54.26
5720.00	S	Peak	42.60	9.28	51.88	110.83	-58.95
5725.00	E	Peak	42.87	9.30	52.17	122.23	-70.06

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Operation Mode :	802.11aB4	Test Date :	2017/10/31
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



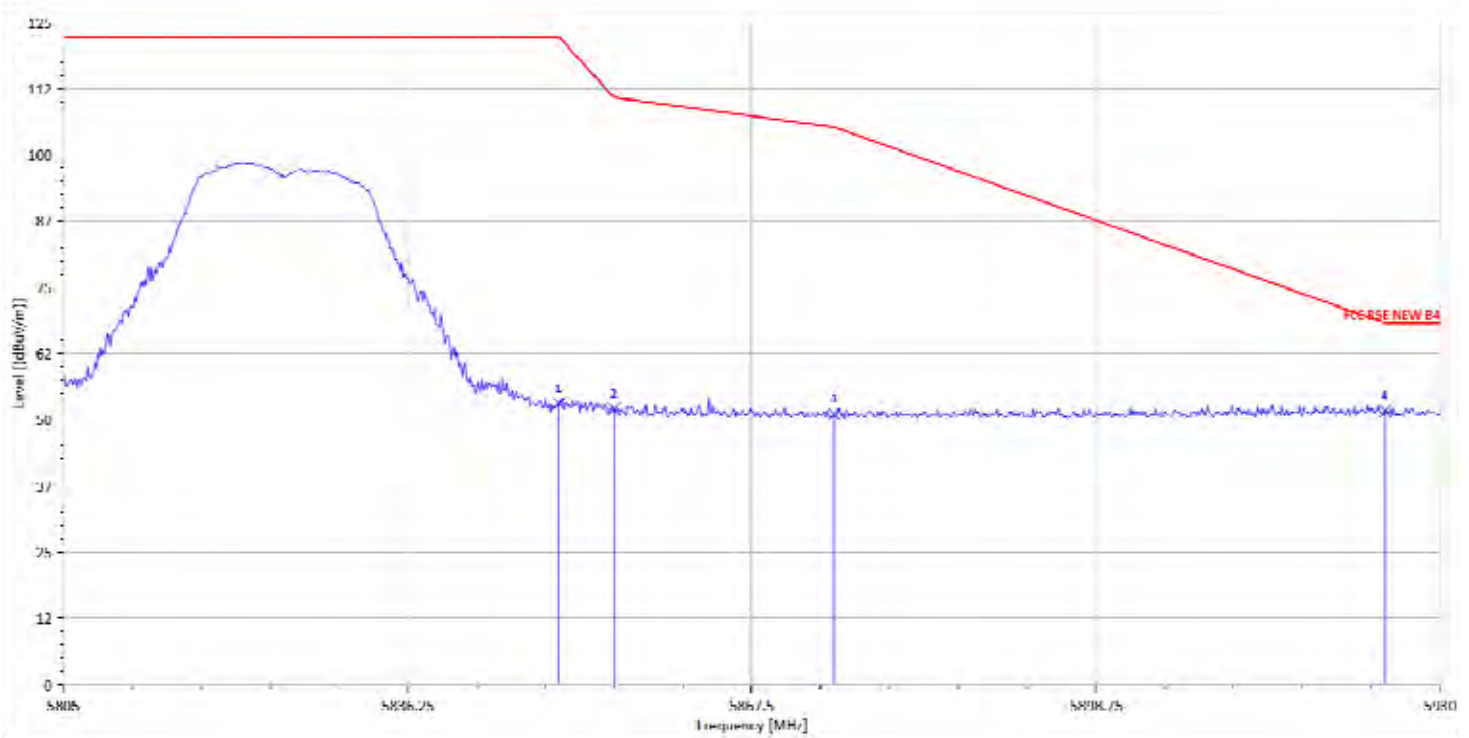
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	S	Peak	41.14	9.33	50.48	68.23	-17.75
5700.00	S	Peak	42.15	9.44	51.59	105.23	-53.64
5720.00	S	Peak	42.25	9.28	51.53	110.83	-59.30
5725.00	E	Peak	43.54	9.30	52.84	122.23	-69.39

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Operation Mode :	802.11aB4	Test Date :	2017/10/31
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



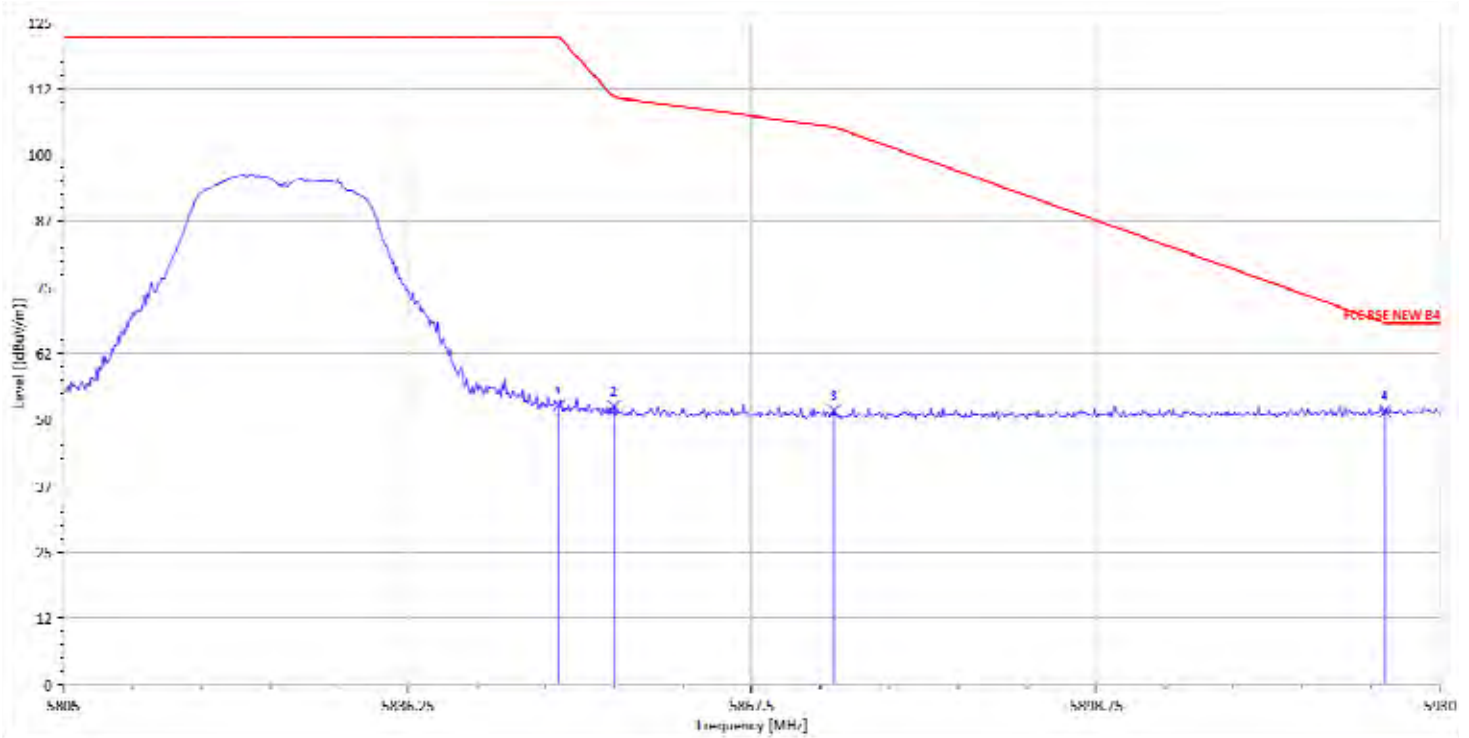
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	E	Peak	43.60	9.49	53.09	122.23	-69.14
5855.00	S	Peak	42.45	9.58	52.03	110.83	-58.80
5875.00	S	Peak	41.42	9.63	51.05	105.23	-54.18
5925.00	S	Peak	41.63	10.01	51.64	68.23	-16.59

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Operation Mode :	802.11aB4	Test Date :	2017/10/31
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	E	Peak	43.24	9.49	52.72	122.23	-69.51
5855.00	S	Peak	42.93	9.58	52.51	110.83	-58.32
5875.00	S	Peak	42.06	9.63	51.70	105.23	-53.53
5925.00	S	Peak	41.59	10.01	51.60	68.23	-16.63

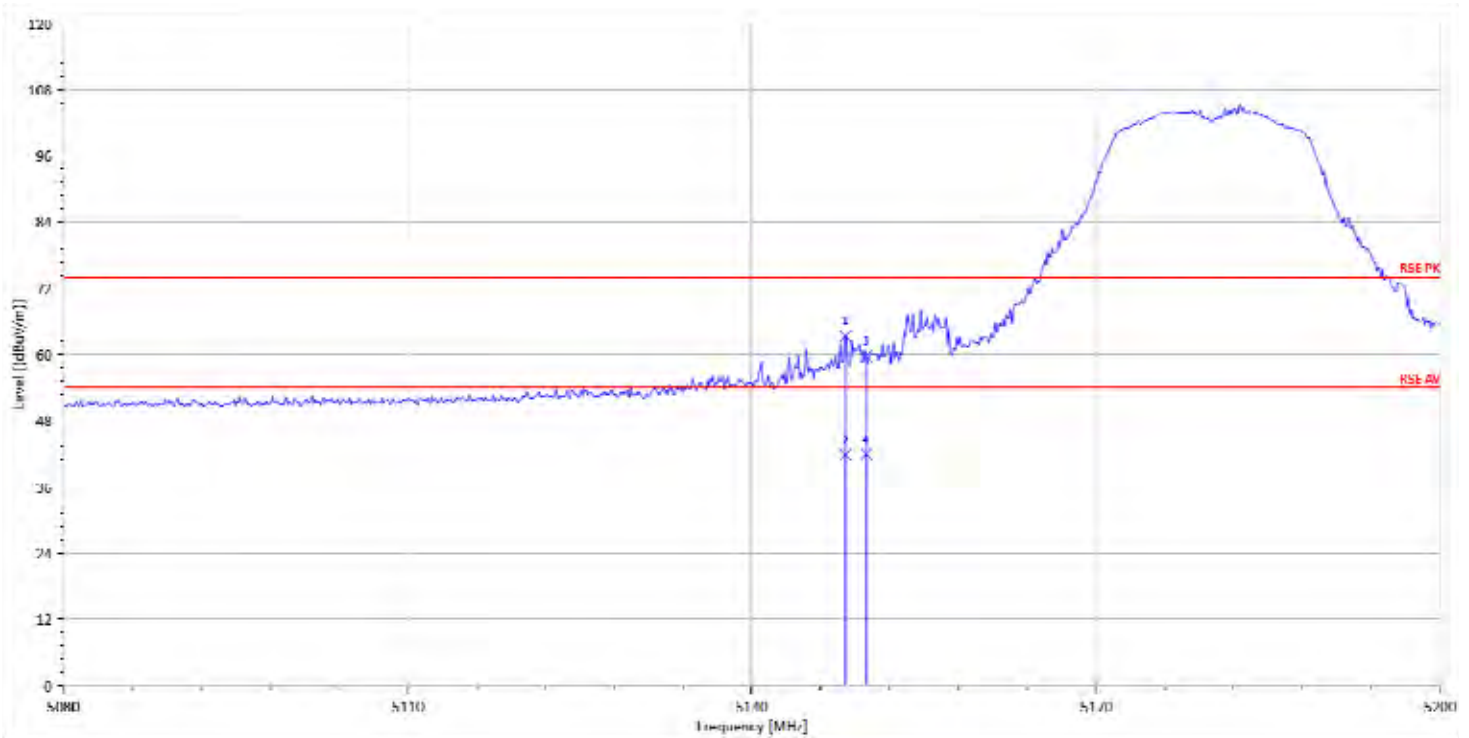
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**802.11n20 HT mode**

Operation Mode :	802.11n20B1	Test Date :	2017/10/31
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



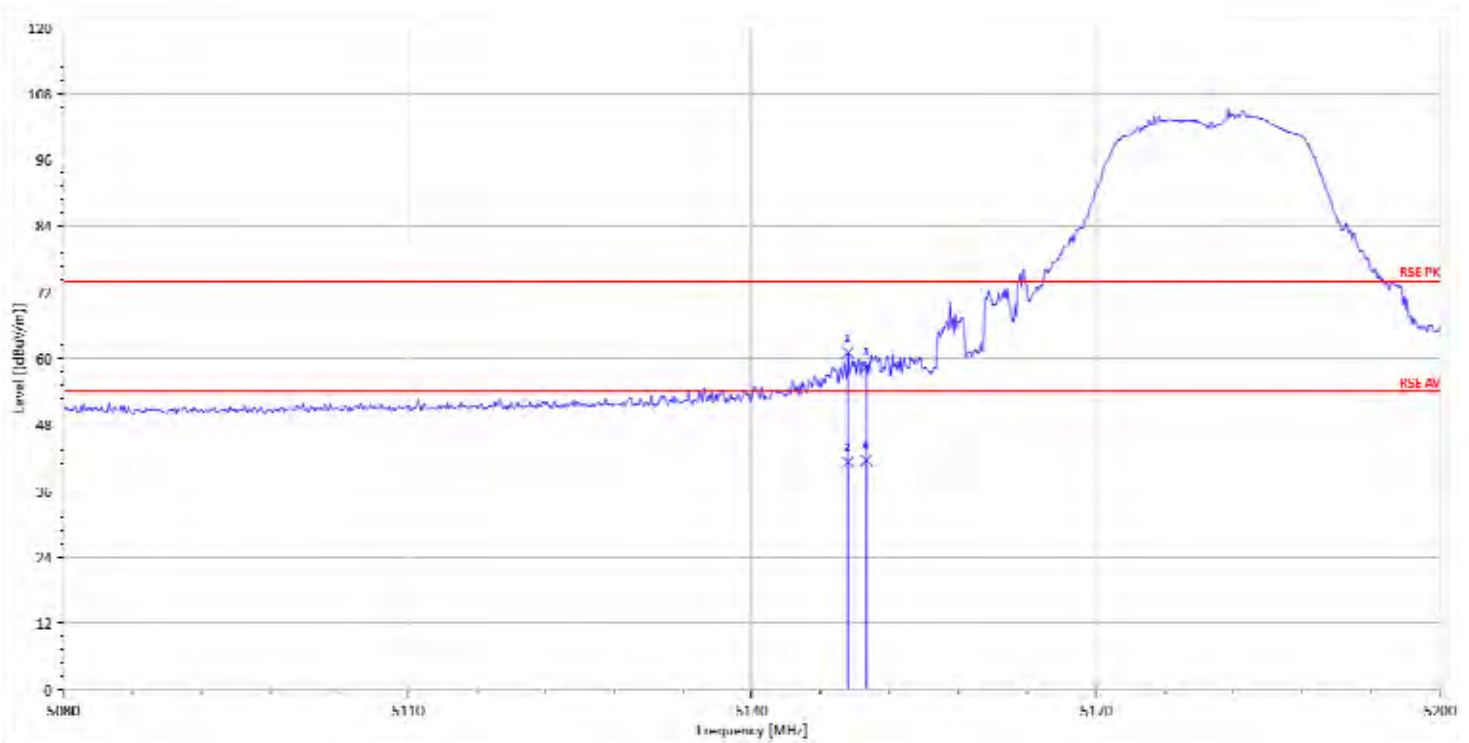
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5148.16	S	Peak	55.14	8.18	63.32	74	-10.68
5148.16	S	Average	33.62	8.18	41.80	54	-12.20
5150.00	E	Peak	51.50	8.19	59.69	74	-14.31
5150.00	E	Average	33.75	8.19	41.94	54	-12.06

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Operation Mode :	802.11n20B1	Test Date :	2017/10/31
Fundamental Frequency :	5180 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5148.40	S	Peak	52.91	8.18	61.09	74	-12.91
5148.40	S	Average	33.01	8.18	41.19	54	-12.81
5150.00	E	Peak	50.29	8.19	58.48	74	-15.52
5150.00	E	Average	33.32	8.19	41.51	54	-12.49

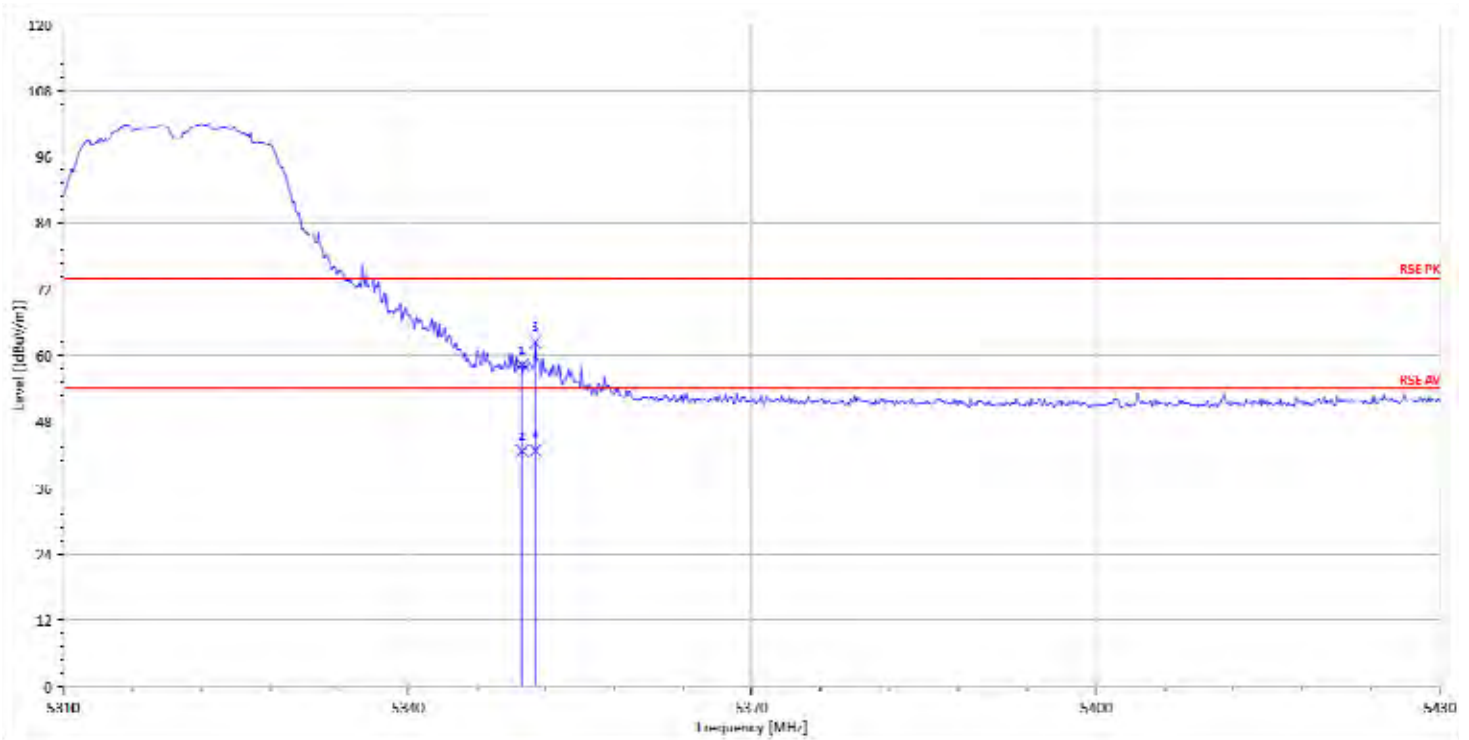
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Operation Mode : 802.11n20B2 Test Date : 2017/10/31  
 Fundamental Frequency : 5320 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : BE CH HIGH Test Engineer : Enzo  
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



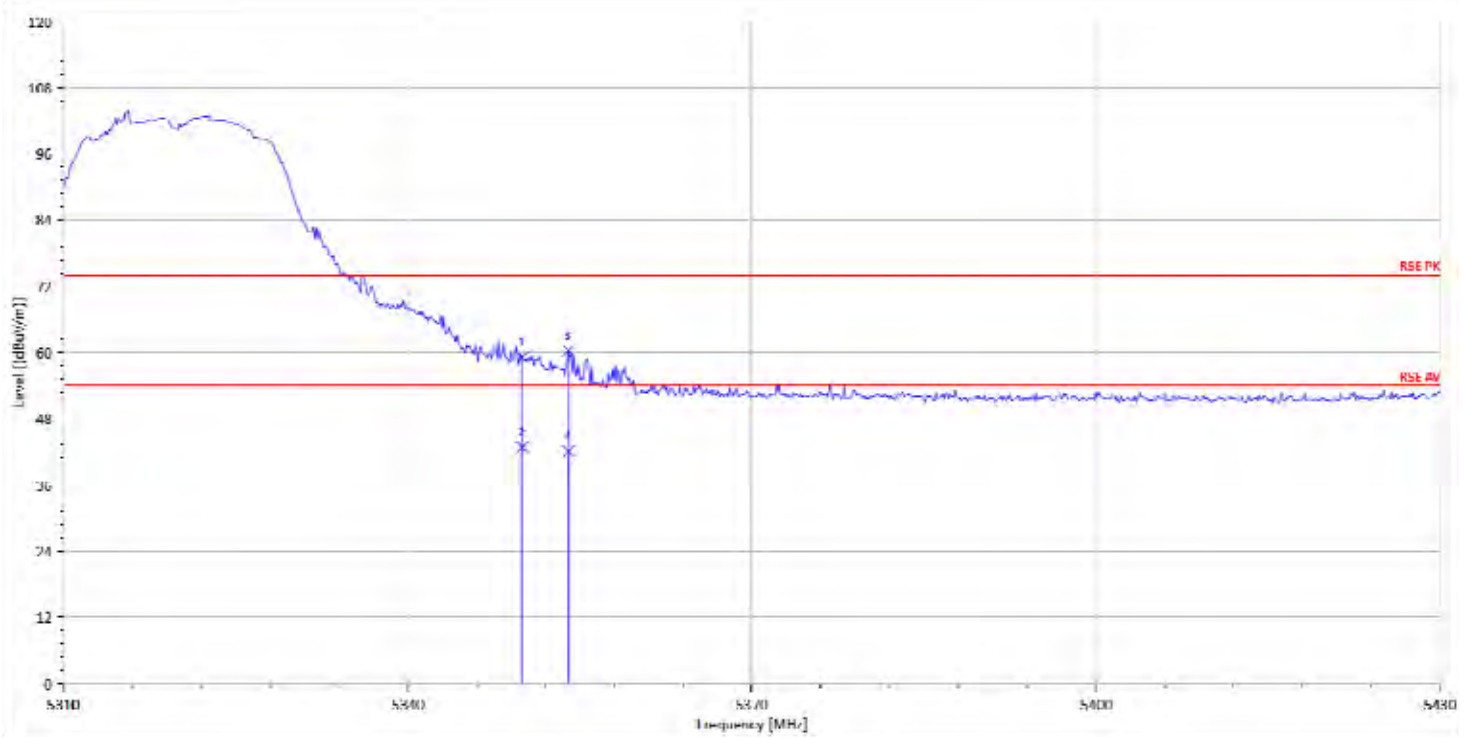
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	E	Peak	49.35	8.96	58.31	74	-15.69
5350.00	E	Average	33.71	8.96	42.67	54	-11.33
5351.16	S	Peak	53.43	8.98	62.41	74	-11.59
5351.16	S	Average	33.79	8.98	42.77	54	-11.23

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Operation Mode :	802.11n20B2	Test Date :	2017/10/31
Fundamental Frequency :	5320 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



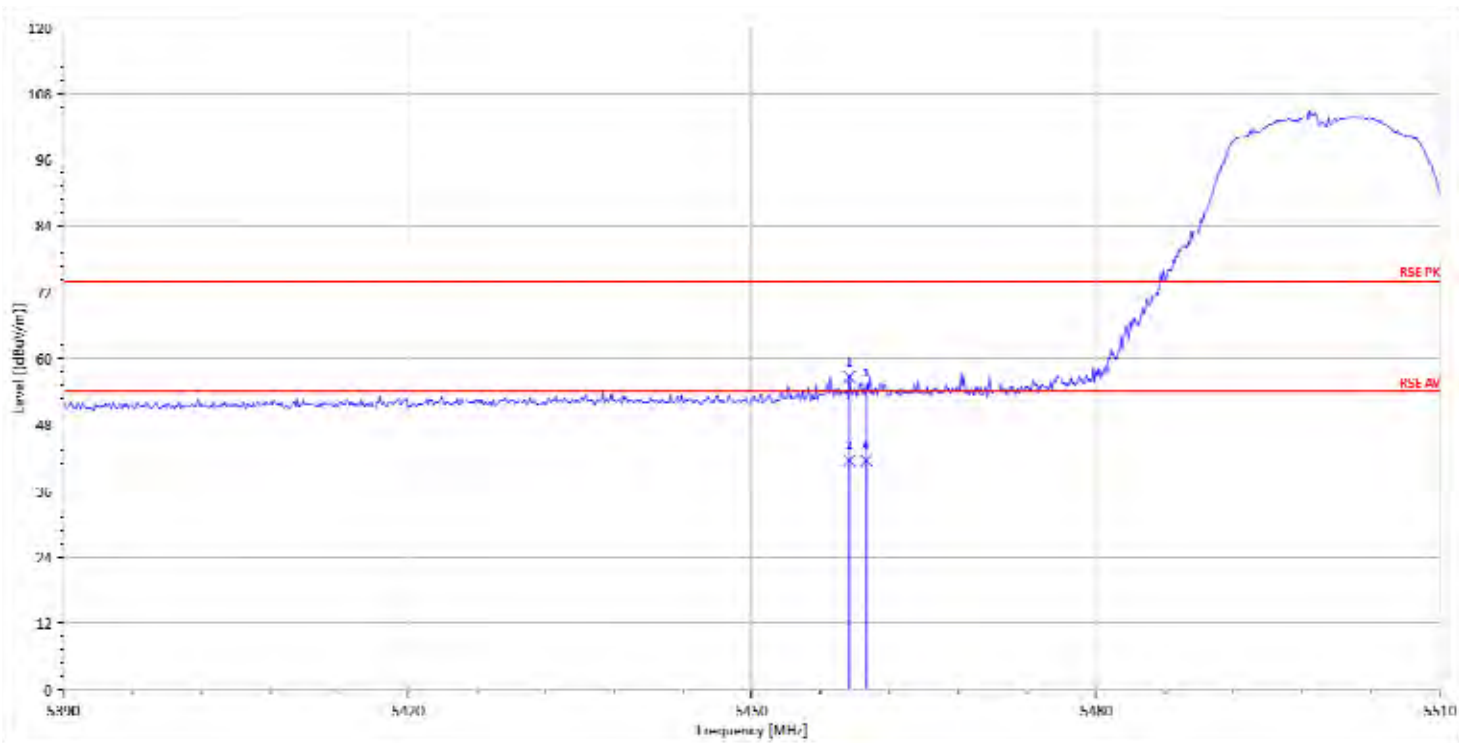
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	E	Peak	50.16	8.96	59.12	74	-14.88
5350.00	E	Average	33.84	8.96	42.80	54	-11.20
5354.04	S	Peak	51.34	8.98	60.32	74	-13.68
5354.04	S	Average	33.13	8.98	42.11	54	-11.89

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Operation Mode :	802.11n20B3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



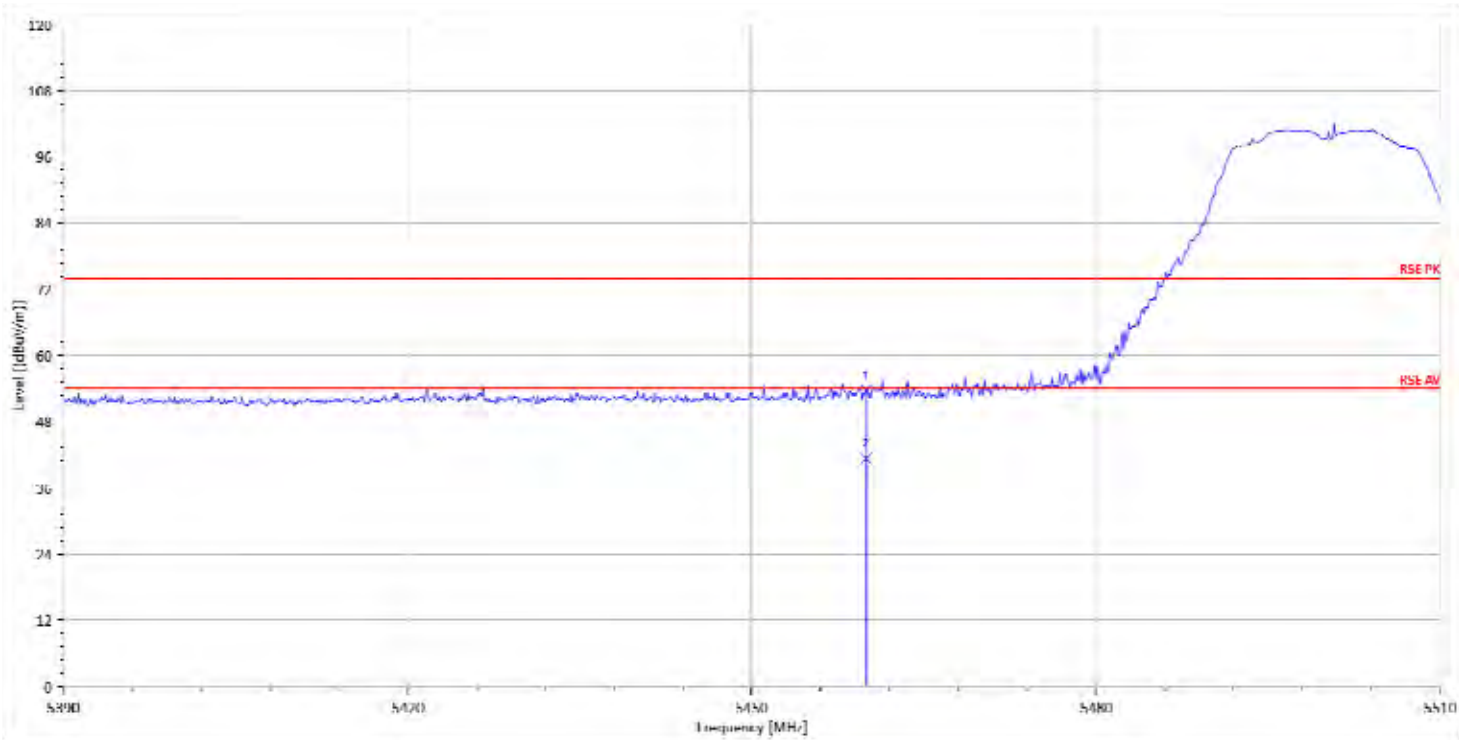
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5458.52	S	Peak	47.77	8.90	56.67	74	-17.33
5458.52	S	Average	32.62	8.90	41.52	54	-12.48
5460.00	E	Peak	45.62	8.88	54.50	74	-19.50
5460.00	E	Average	32.61	8.88	41.49	54	-12.51

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Operation Mode :	802.11n20B3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



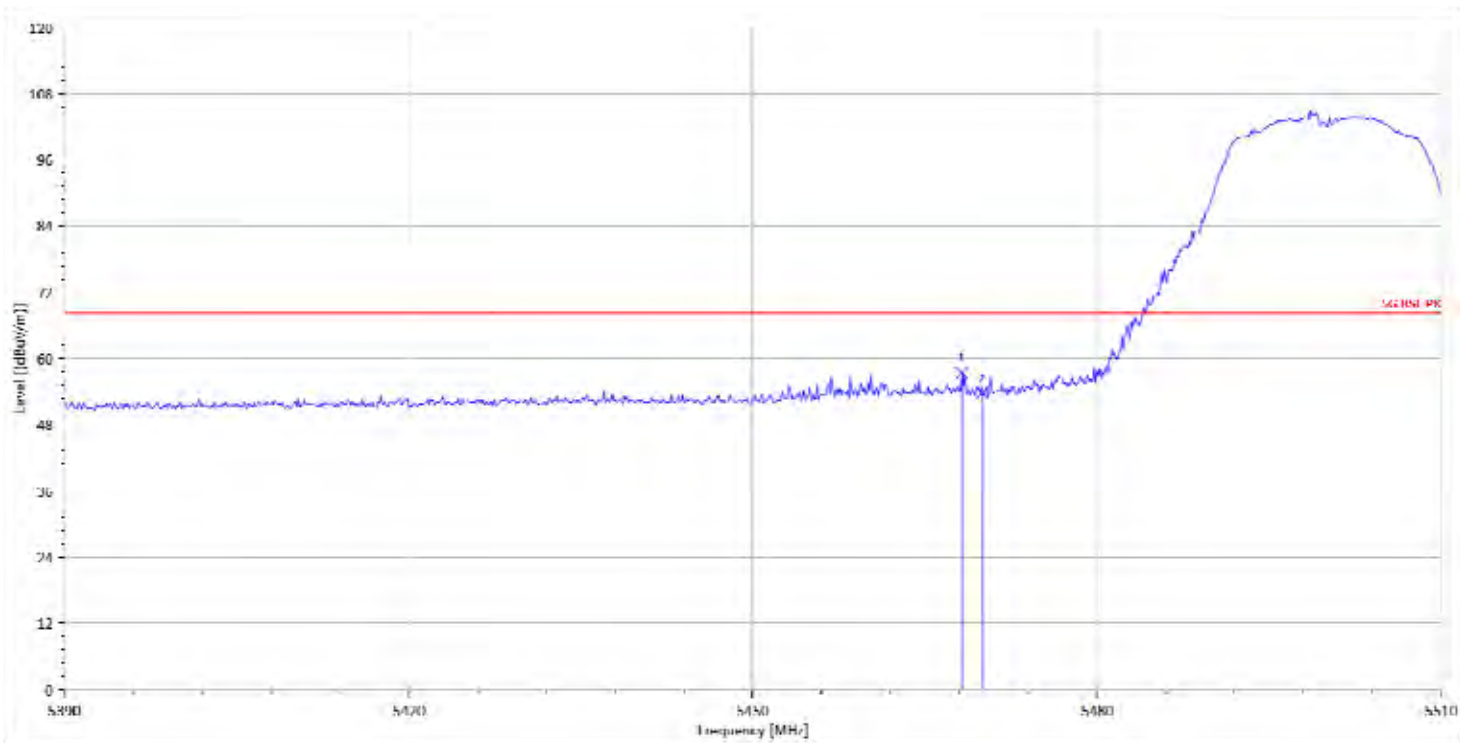
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	E	Peak	44.76	8.88	53.64	74	-20.36
5460.00	E	Average	32.41	8.88	41.29	54	-12.71

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Operation Mode :	802.11n20B3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



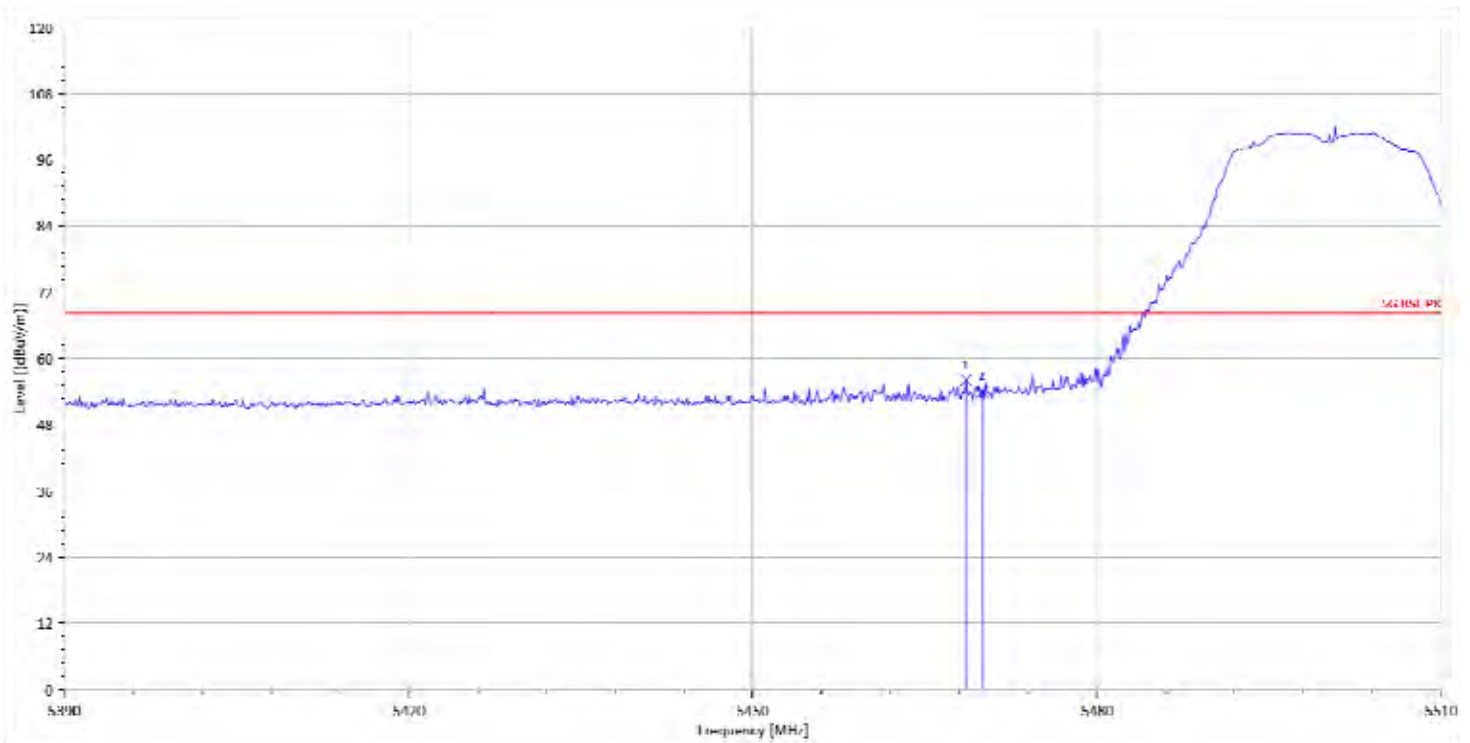
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5468.24	S	Peak	48.56	8.80	57.36	68.3	-10.94
5470.00	E	Peak	44.94	8.79	53.72	68.3	-14.58

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Operation Mode :	802.11n20B3	Test Date :	2017/10/31
Fundamental Frequency :	5500 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



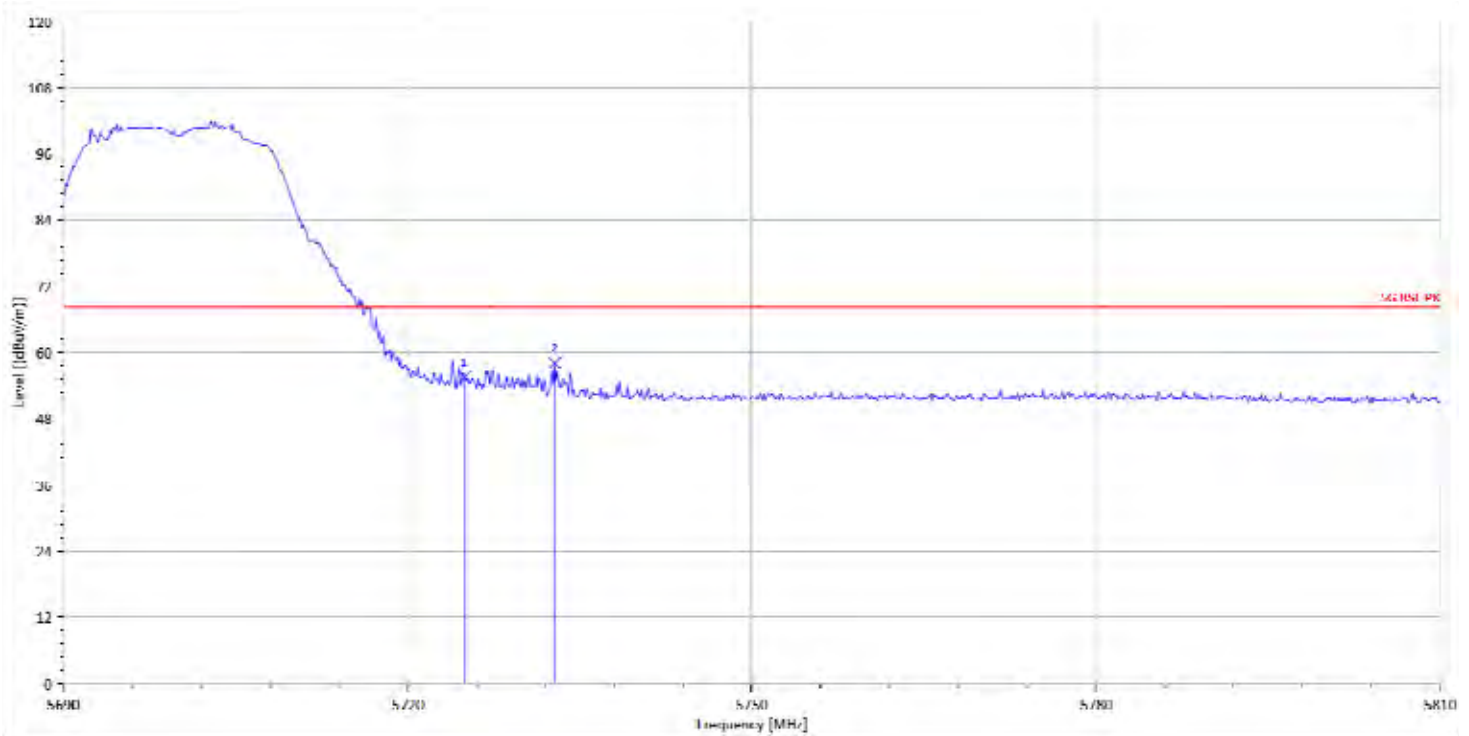
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5468.60	S	Peak	47.33	8.80	56.13	68.3	-12.17
5470.00	E	Peak	45.18	8.79	53.97	68.3	-14.33

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Operation Mode :	802.11n20B3	Test Date :	2017/10/31
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



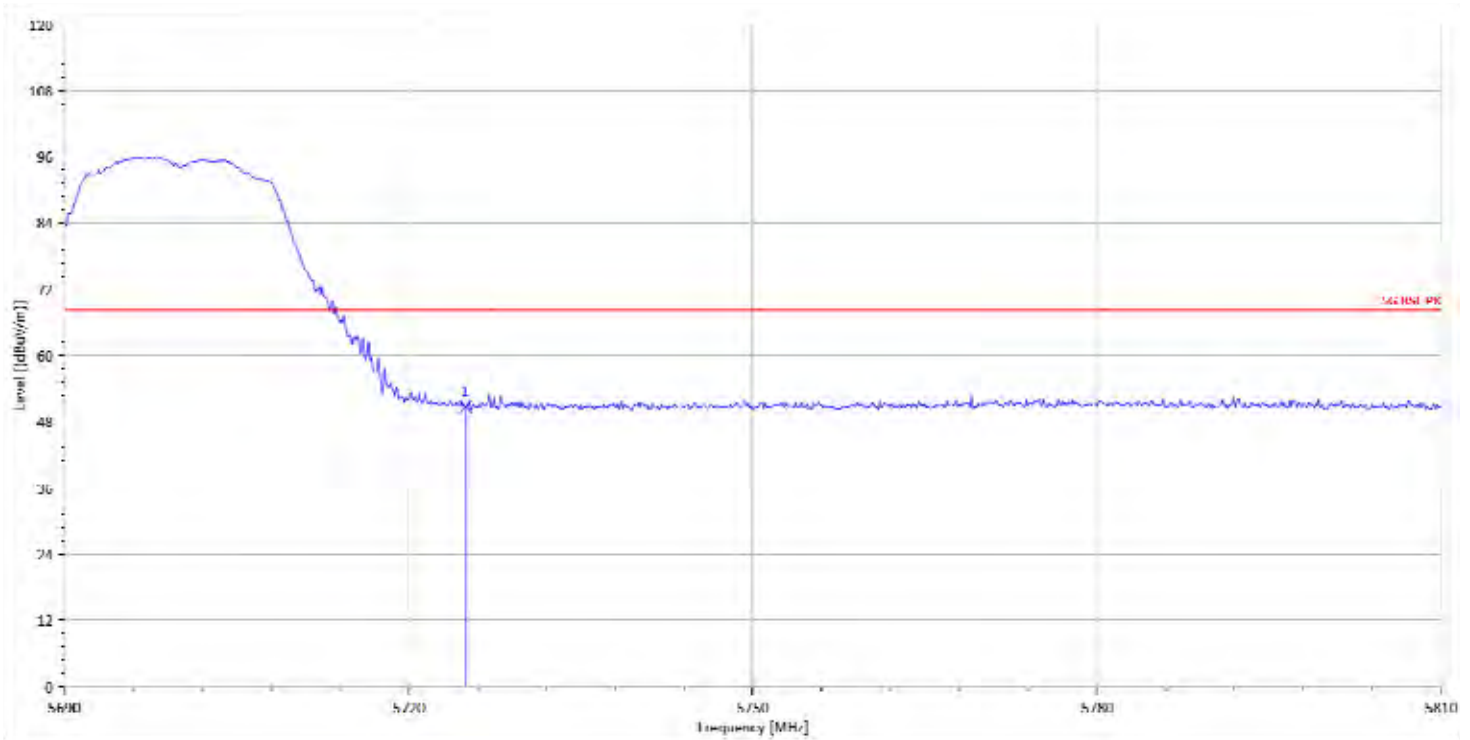
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	E	Peak	46.26	9.30	55.56	68.3	-12.74
5732.84	S	Peak	48.85	9.29	58.13	68.3	-10.17

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Operation Mode :	802.11n20B3	Test Date :	2017/10/31
Fundamental Frequency :	5700 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	E	Peak	41.43	9.30	50.73	68.3	-17.57

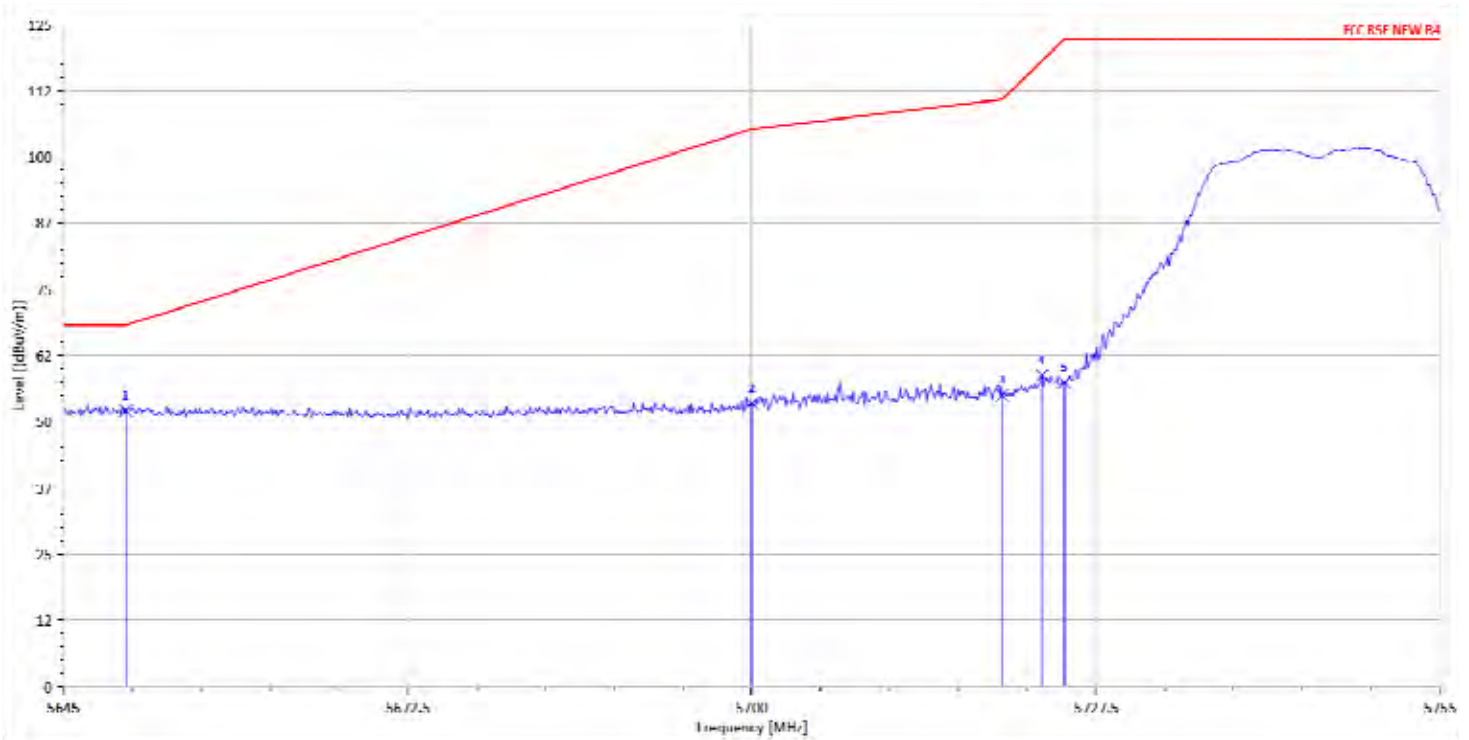
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Operation Mode :	802.11n20B4	Test Date :	2017/10/31
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



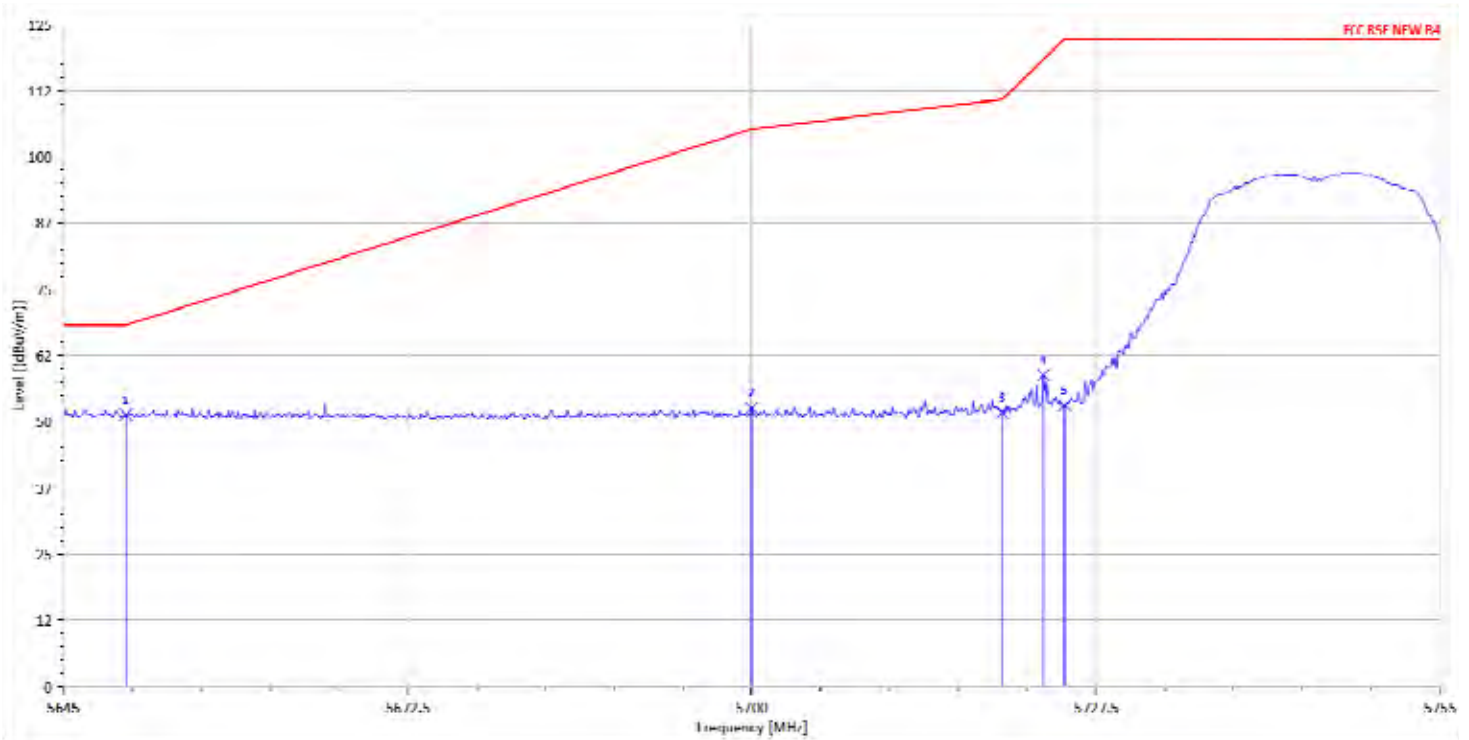
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	S	Peak	42.79	9.33	52.13	68.23	-16.10
5700.00	S	Peak	44.03	9.44	53.47	105.23	-51.76
5720.00	S	Peak	45.76	9.28	55.04	110.83	-55.79
5723.21	S	Peak	49.43	9.29	58.72	118.1487	-59.43
5725.00	E	Peak	48.11	9.30	57.41	122.23	-64.82

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Operation Mode :	802.11n20B4	Test Date :	2017/10/31
Fundamental Frequency :	5745 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



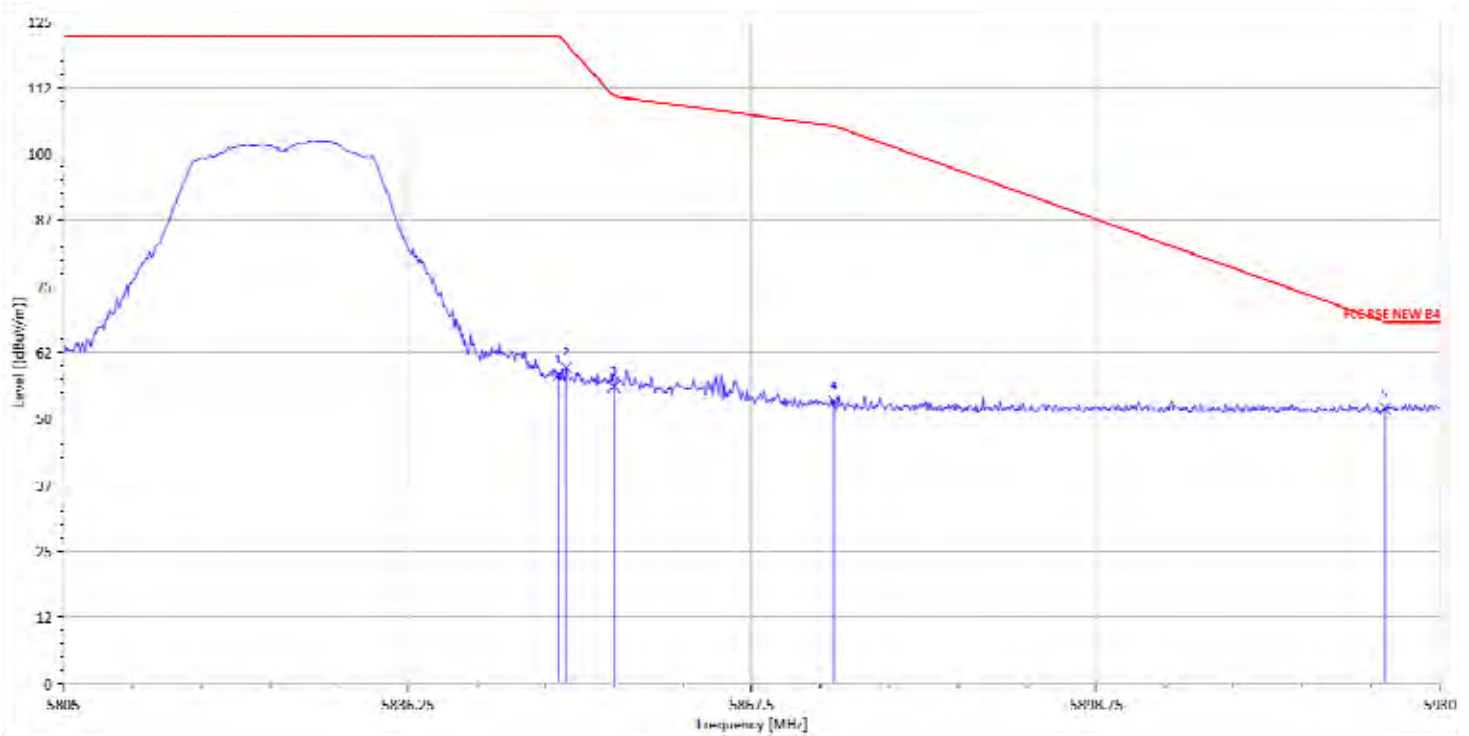
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.00	S	Peak	42.00	9.33	51.34	68.23	-16.89
5700.00	S	Peak	43.14	9.44	52.58	105.23	-52.65
5720.00	S	Peak	42.50	9.28	51.78	110.83	-59.05
5723.32	S	Peak	49.53	9.29	58.82	118.3992	-59.58
5725.00	E	Peak	43.75	9.30	53.05	122.23	-69.18

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Operation Mode :	802.11n20B4	Test Date :	2017/10/31
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



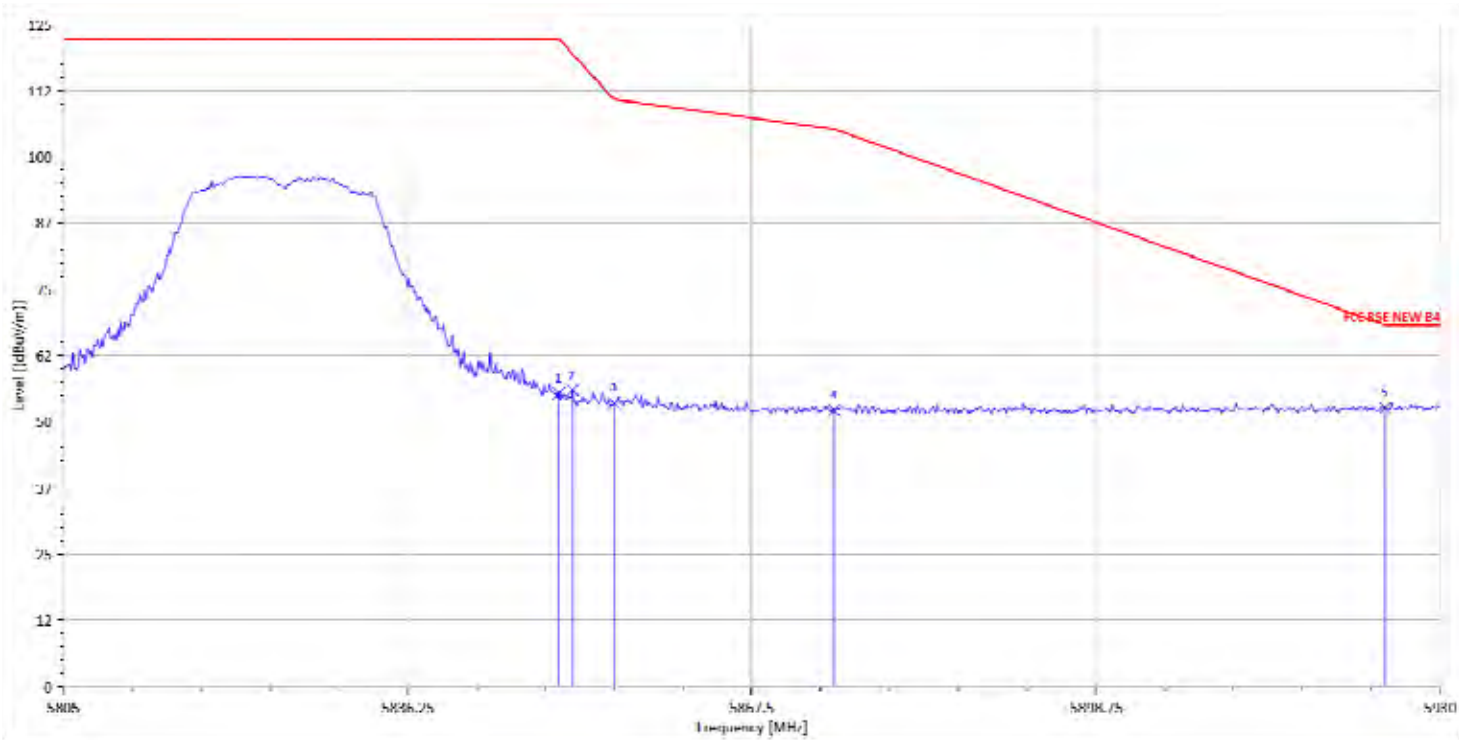
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	E	Peak	48.83	9.49	58.32	122.23	-63.91
5850.63	S	Peak	50.14	9.50	59.64	120.805	-61.17
5855.00	S	Peak	46.48	9.58	56.06	110.83	-54.77
5875.00	S	Peak	43.72	9.63	53.35	105.23	-51.88
5925.00	S	Peak	41.93	10.01	51.94	68.23	-16.29

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Operation Mode :	802.11n20B4	Test Date :	2017/10/31
Fundamental Frequency :	5825 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	E	Peak	45.90	9.49	55.39	122.23	-66.84
5851.25	S	Peak	46.46	9.51	55.97	119.38	-63.41
5855.00	S	Peak	43.94	9.58	53.52	110.83	-57.31
5875.00	S	Peak	42.55	9.63	52.18	105.23	-53.05
5925.00	S	Peak	42.62	10.01	52.64	68.23	-15.59

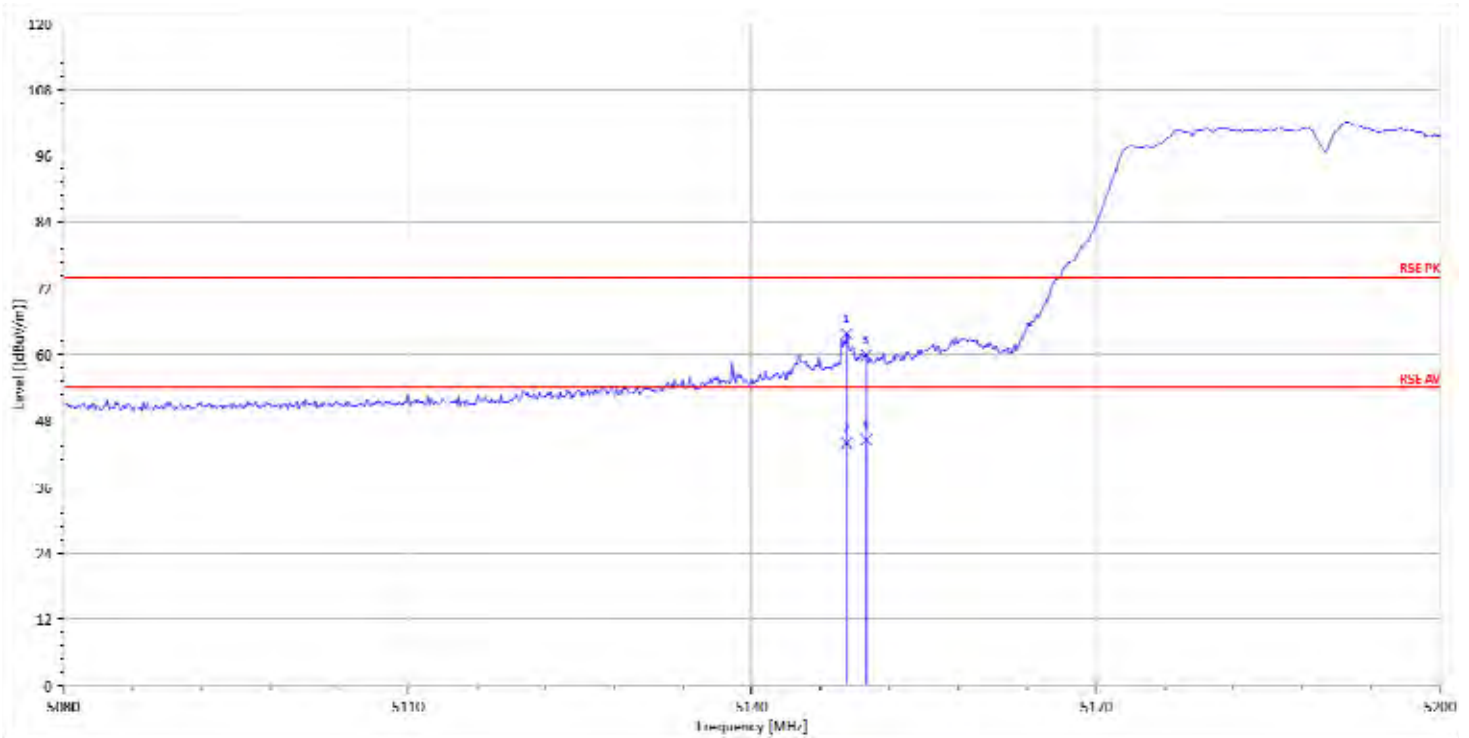
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### 802.11n40 HT mode

Operation Mode :	802.11n40B1	Test Date :	2017/10/31
Fundamental Frequency :	5190 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



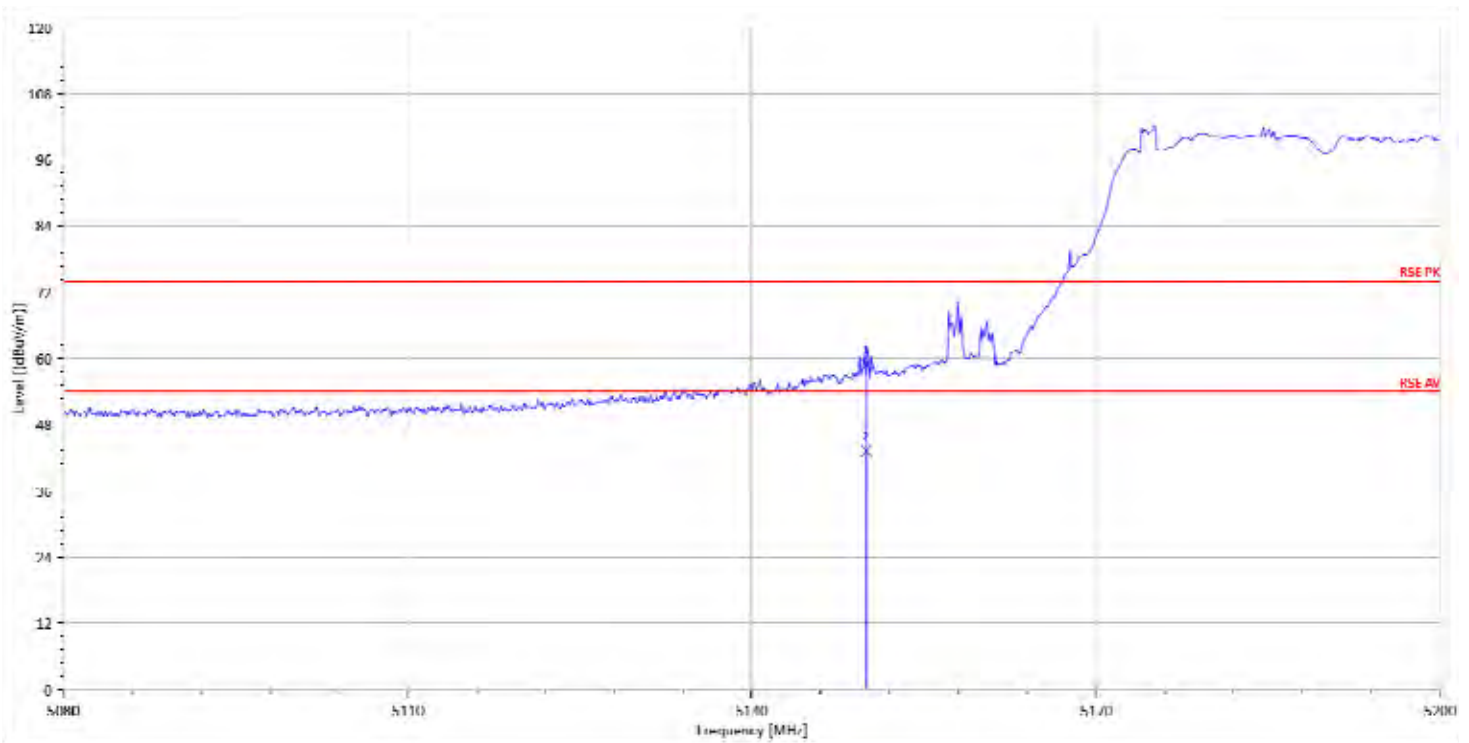
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5148.28	S	Peak	55.59	8.18	63.77	74	-10.23
5148.28	S	Average	35.71	8.18	43.89	54	-10.11
5150.00	E	Peak	51.71	8.19	59.90	74	-14.10
5150.00	E	Average	36.31	8.19	44.50	54	-9.50

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Operation Mode :	802.11n40B1	Test Date :	2017/10/31
Fundamental Frequency :	5190 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



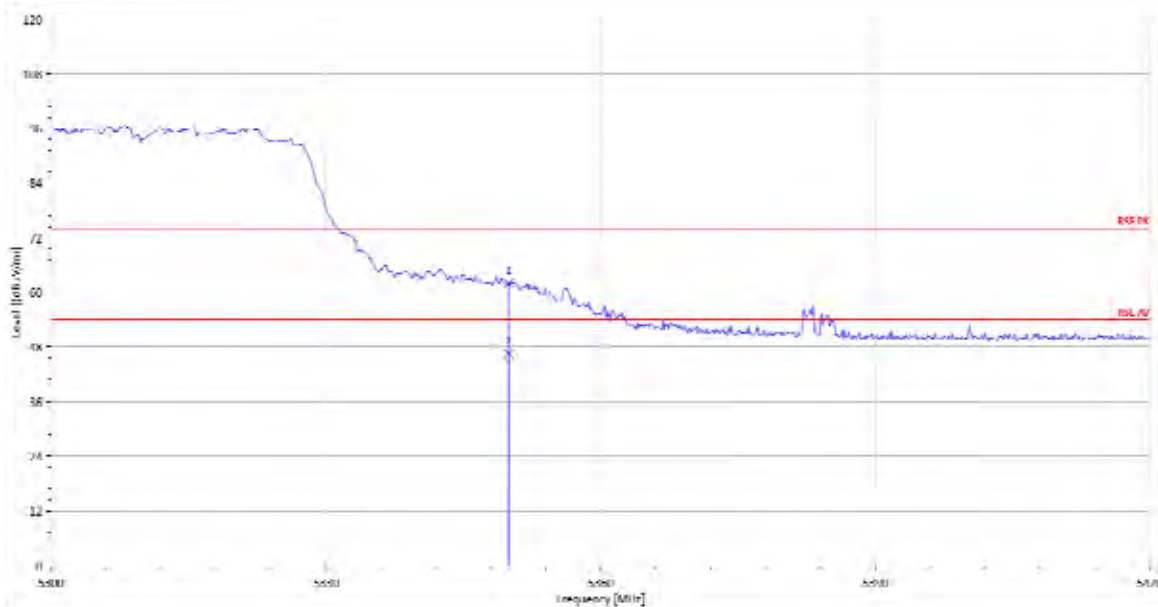
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	E	Peak	50.66	8.19	58.85	74	-15.15
5150.00	E	Average	35.05	8.19	43.24	54	-10.76

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Operation Mode : 802.11n40B2 Test Date : 2017/10/31  
 Fundamental Frequency : 5310 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : BE CH HIGH Test Engineer : Enzo  
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



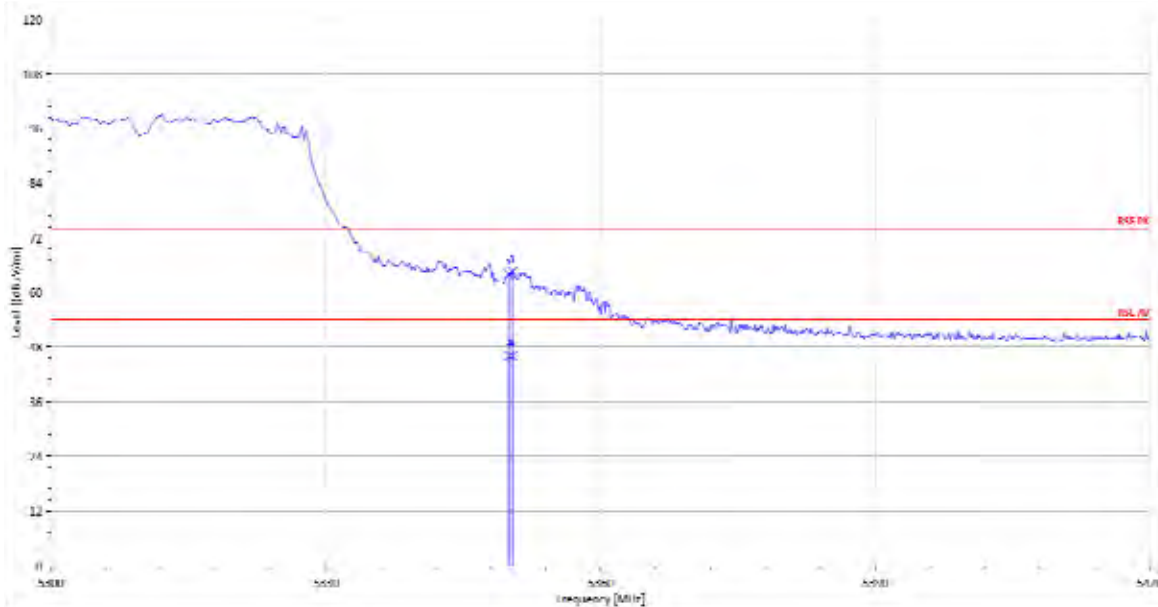
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	E	Peak	53.02	8.96	61.98	74.00	-12.02
5350.00	E	Average	37.62	8.96	46.58	54.00	-7.42

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Operation Mode : 802.11n40B2 Test Date : 2017/10/31  
 Fundamental Frequency : 5310 MHz Temp. / Humi. : 22.7deg\_C/57RH  
 Operation Band : BE CH HIGH Test Engineer : Enzo  
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	E	Peak	55.02	8.96	63.98	74.00	-10.02
5350.00	E	Average	37.07	8.96	46.03	54.00	-7.97
5350.40	S	Peak	55.48	8.97	64.45	74.00	-9.55
5350.40	S	Average	37.05	8.97	46.02	54.00	-7.98

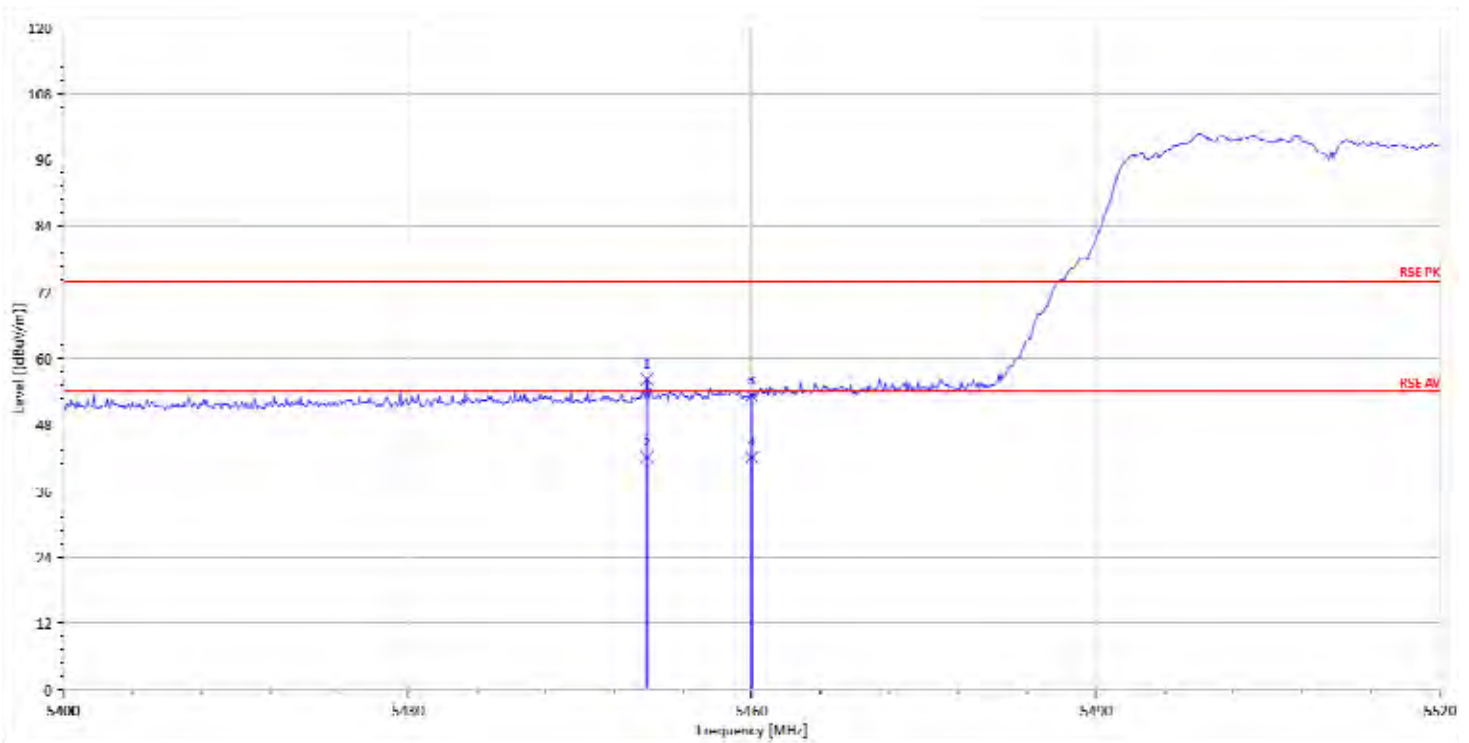
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Operation Mode :	802.11n40B3	Test Date :	2017/10/31
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



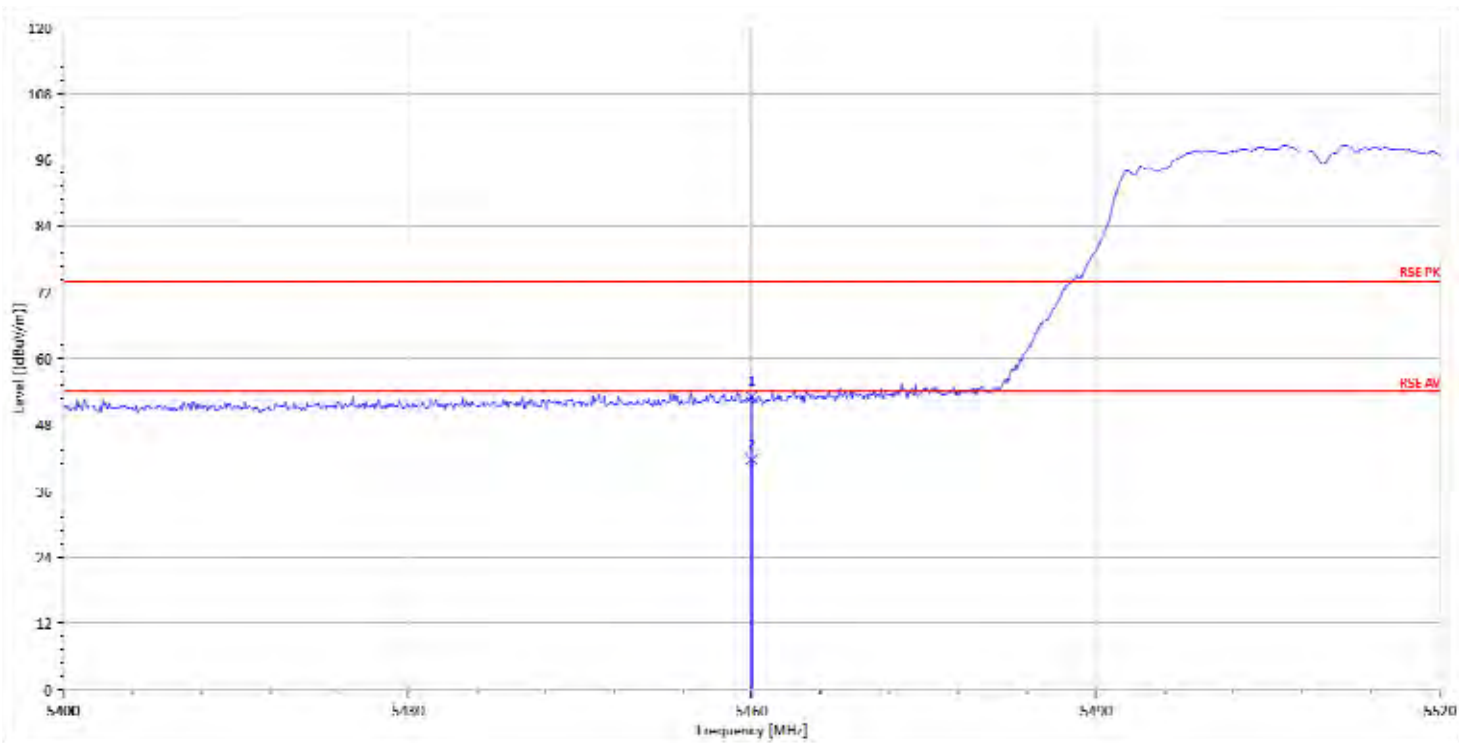
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5450.88	S	Peak	47.25	8.98	56.24	74	-17.76
5450.88	S	Average	33.18	8.98	42.16	54	-11.84
5460.00	E	Peak	44.42	8.88	53.31	74	-20.69
5460.00	E	Average	33.21	8.88	42.09	54	-11.91

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Operation Mode :	802.11n40B3	Test Date :	2017/10/31
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



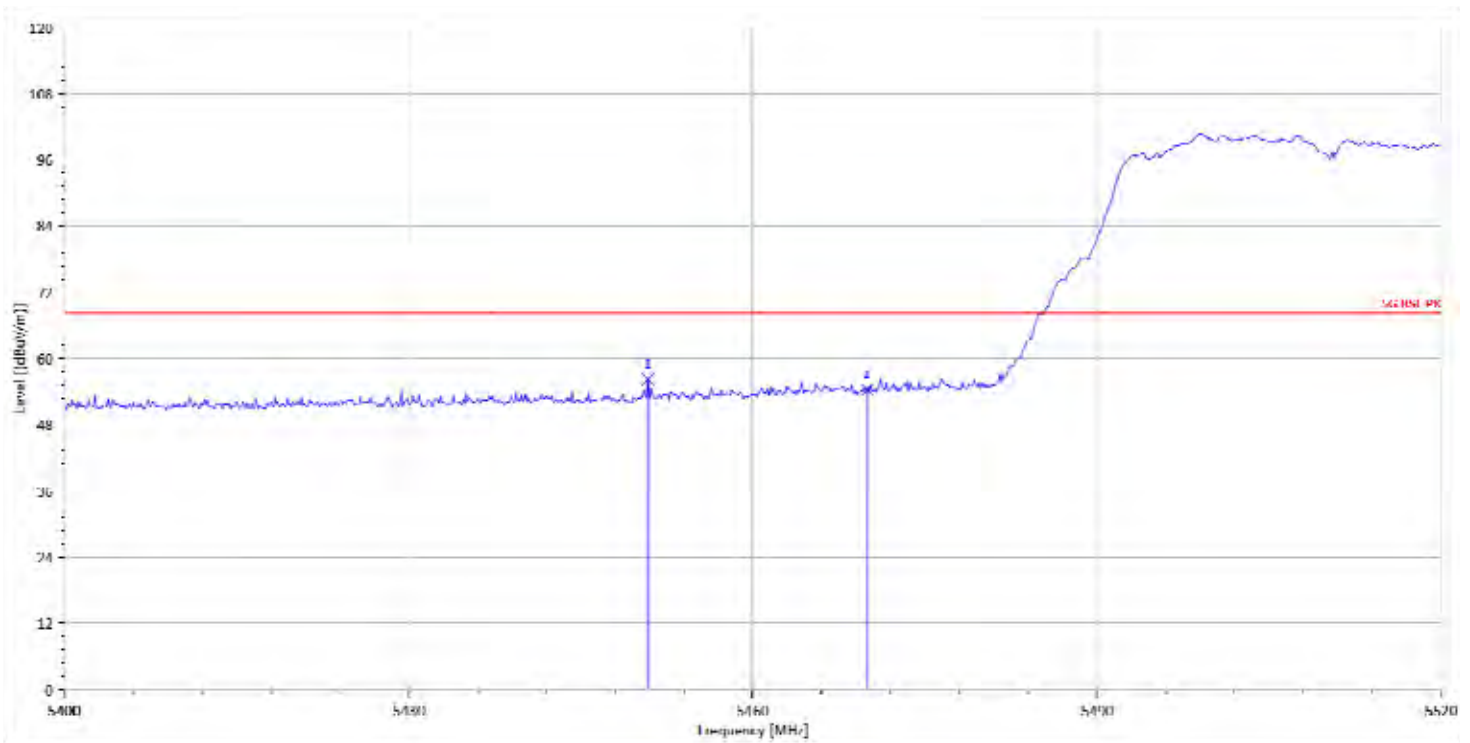
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	E	Peak	44.20	8.88	53.08	74	-20.92
5460.00	E	Average	32.81	8.88	41.69	54	-12.31

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Operation Mode :	802.11n40B3	Test Date :	2017/10/31
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



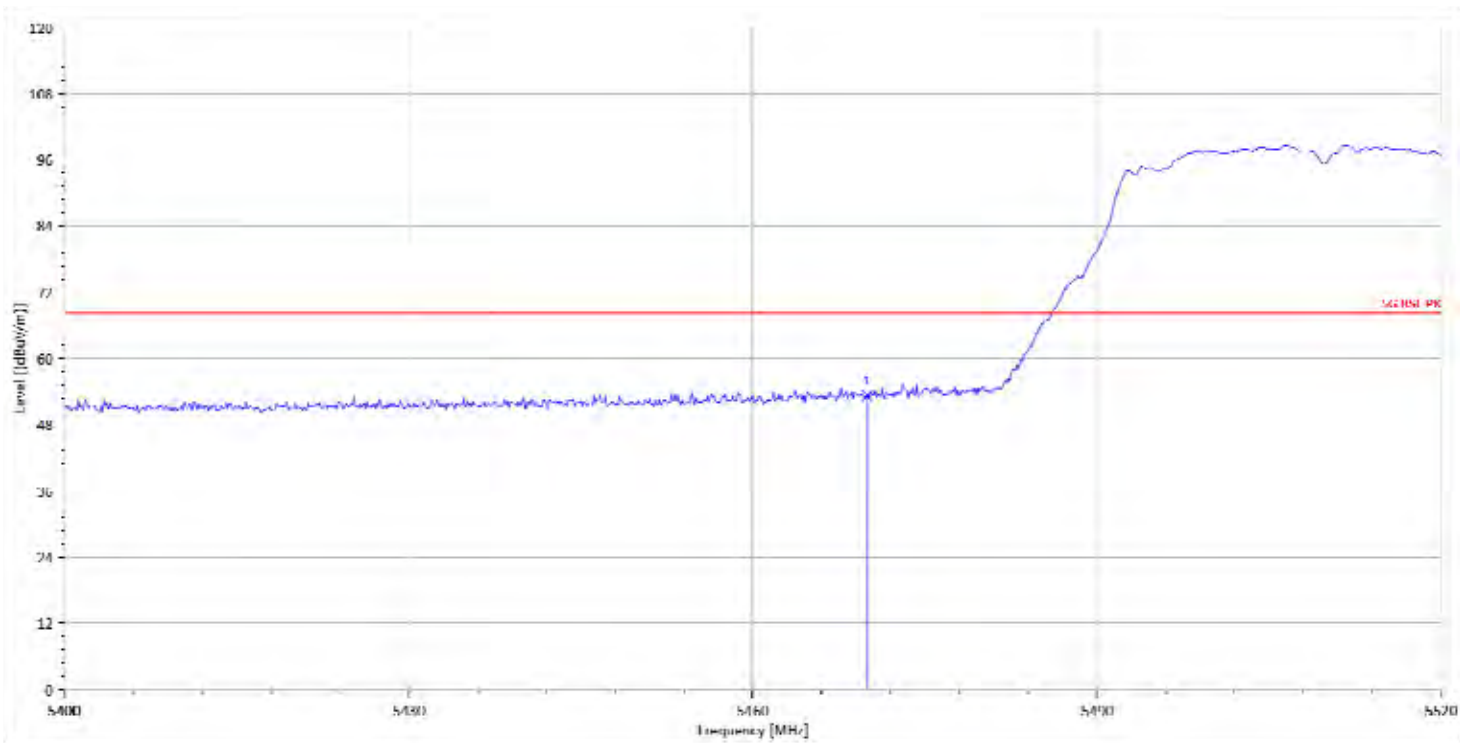
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5450.88	S	Peak	47.25	8.98	56.24	68.3	-12.06
5470.00	E	Peak	45.53	8.79	54.32	68.3	-13.98

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Operation Mode :	802.11n40B3	Test Date :	2017/10/31
Fundamental Frequency :	5510 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



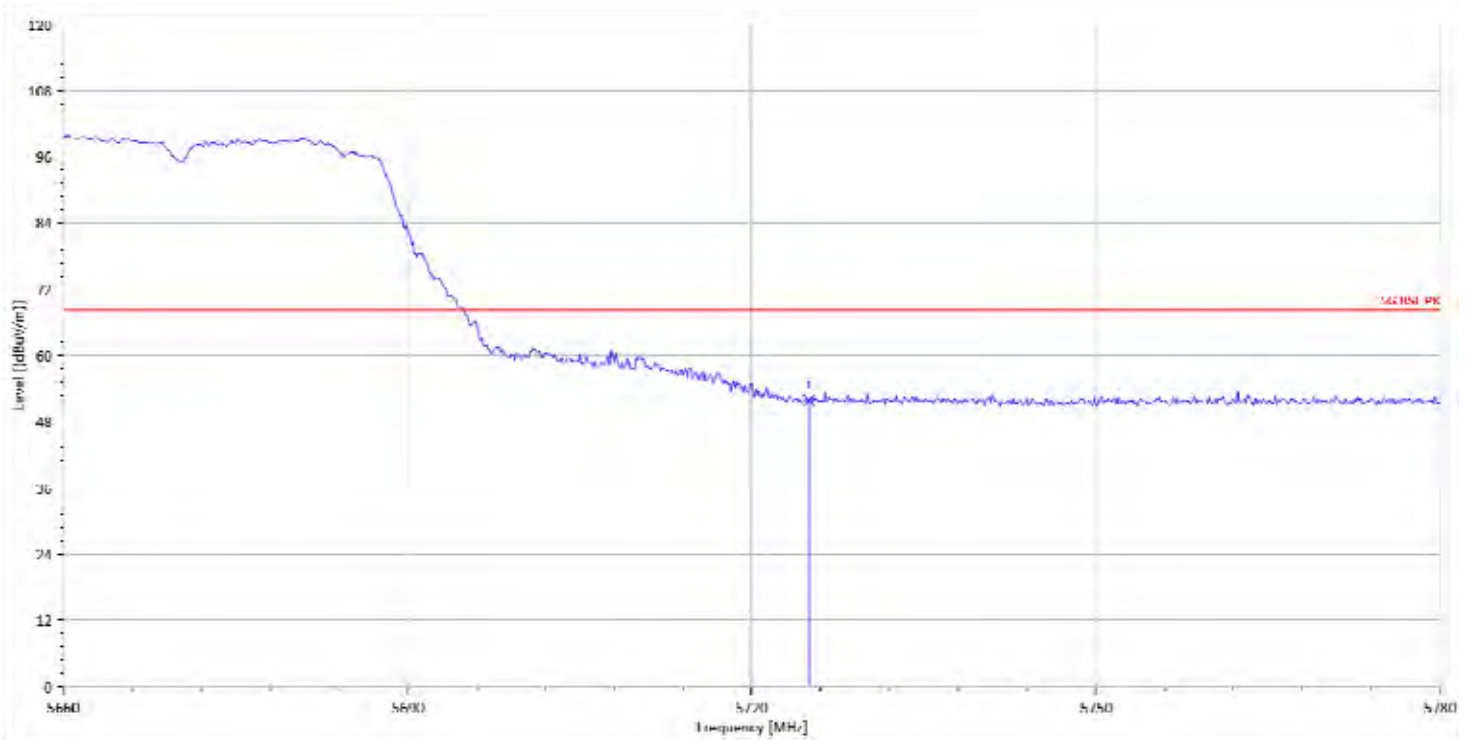
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5470.00	E	Peak	44.47	8.79	53.26	68.3	-15.04

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Operation Mode :	802.11n40B3	Test Date :	2017/10/31
Fundamental Frequency :	5670 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



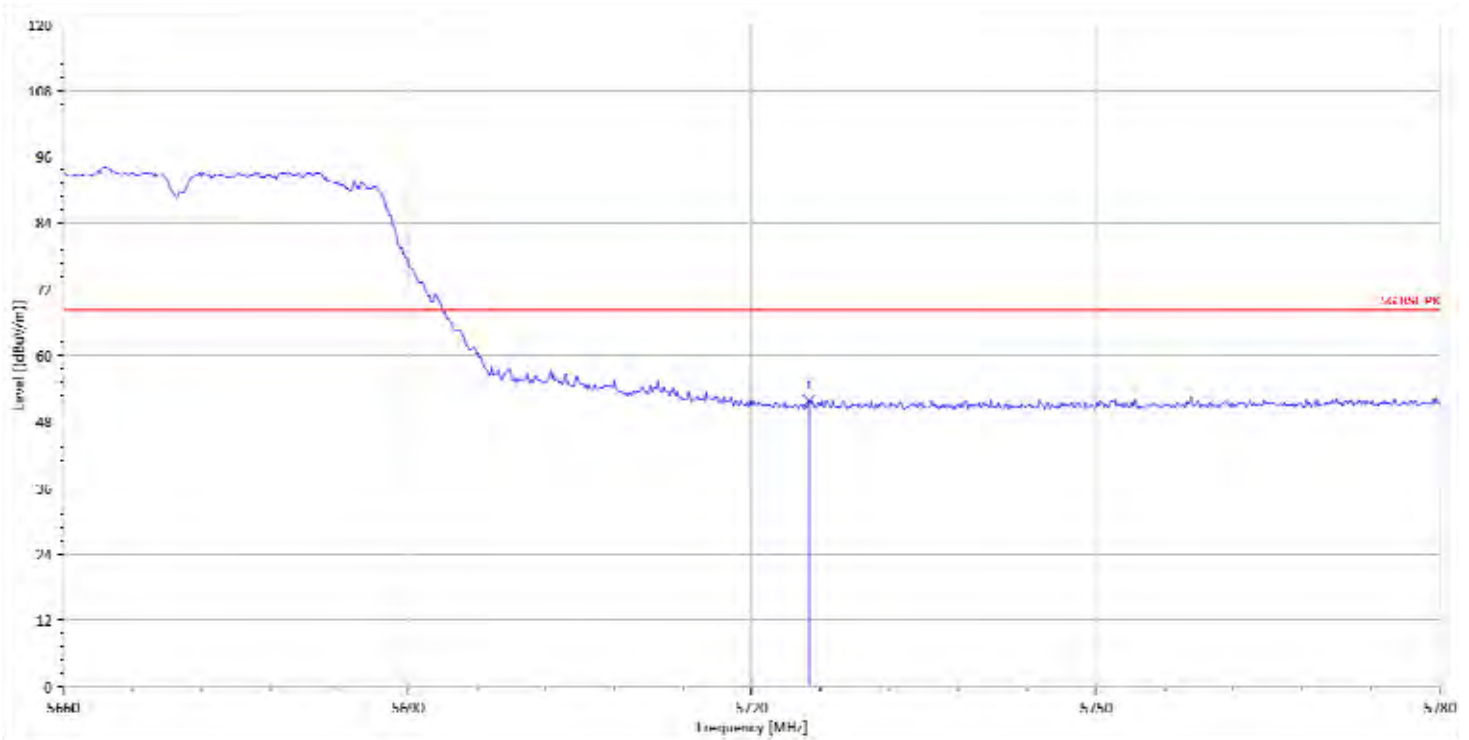
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	E	Peak	42.55	9.30	51.85	68.3	-16.45

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Operation Mode :	802.11n40B3	Test Date :	2017/10/31
Fundamental Frequency :	5670 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



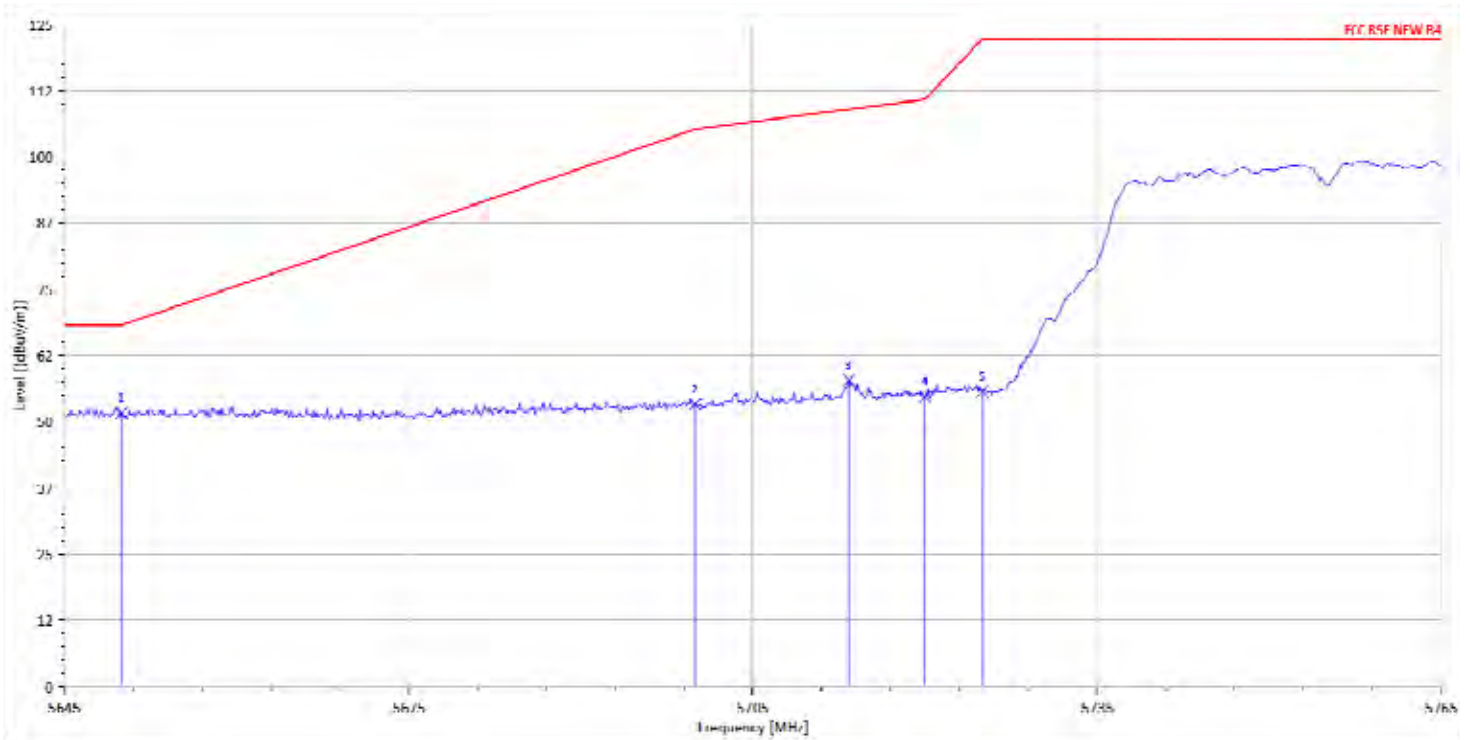
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	E	Peak	42.52	9.30	51.82	68.3	-16.48

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Operation Mode :	802.11n40B4	Test Date :	2017/10/31
Fundamental Frequency :	5755 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



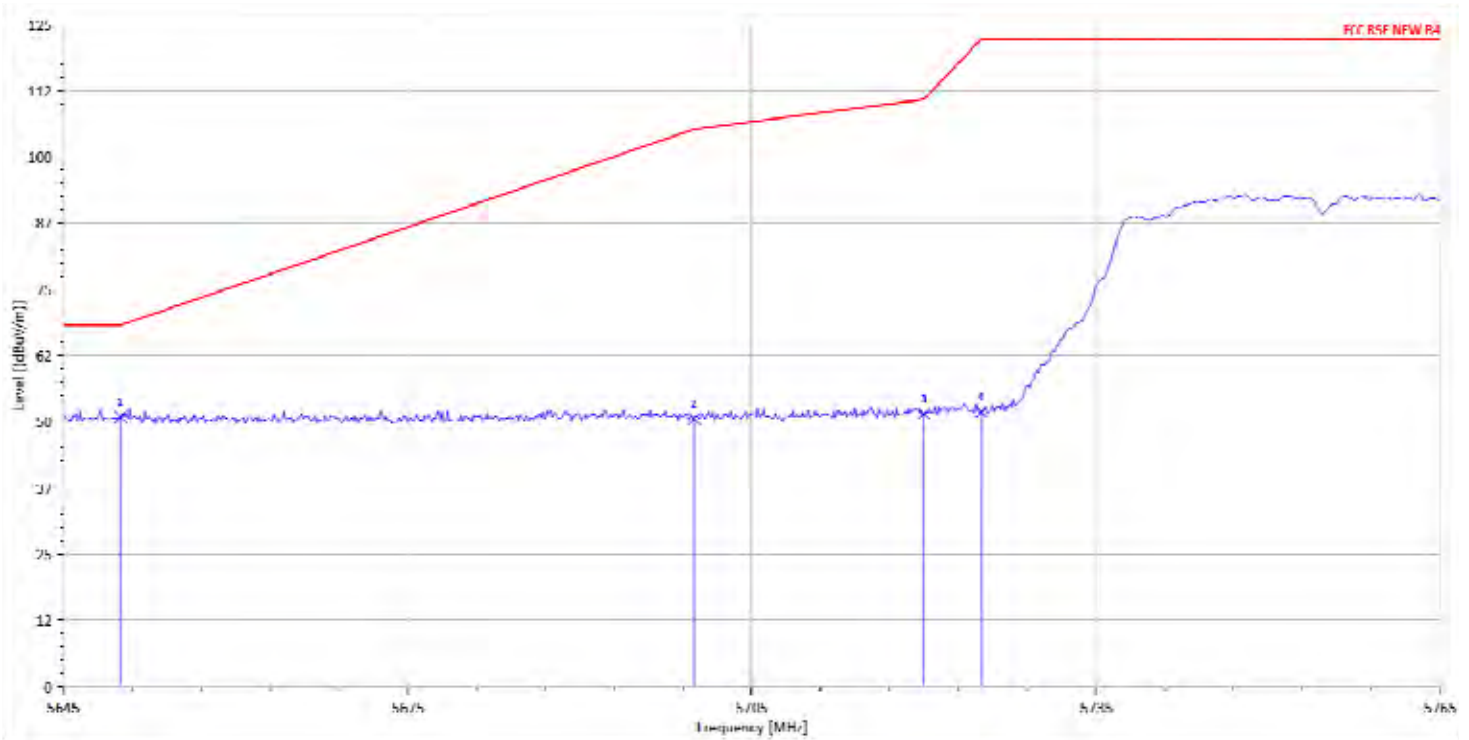
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	S	Peak	42.30	9.33	51.64	68.23	-16.59
5700.00	S	Peak	43.87	9.44	53.31	105.23	-51.92
5713.40	S	Peak	48.62	9.25	57.88	108.982	-51.11
5720.00	S	Peak	45.46	9.28	54.75	110.83	-56.08
5725.00	E	Peak	46.44	9.30	55.74	122.23	-66.49

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Operation Mode :	802.11n40B4	Test Date :	2017/10/31
Fundamental Frequency :	5755 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	S	Peak	41.56	9.33	50.89	68.23	-17.34
5700.00	S	Peak	41.17	9.44	50.60	105.23	-54.63
5720.00	S	Peak	42.23	9.28	51.51	110.83	-59.32
5725.00	E	Peak	42.59	9.30	51.89	122.23	-70.34

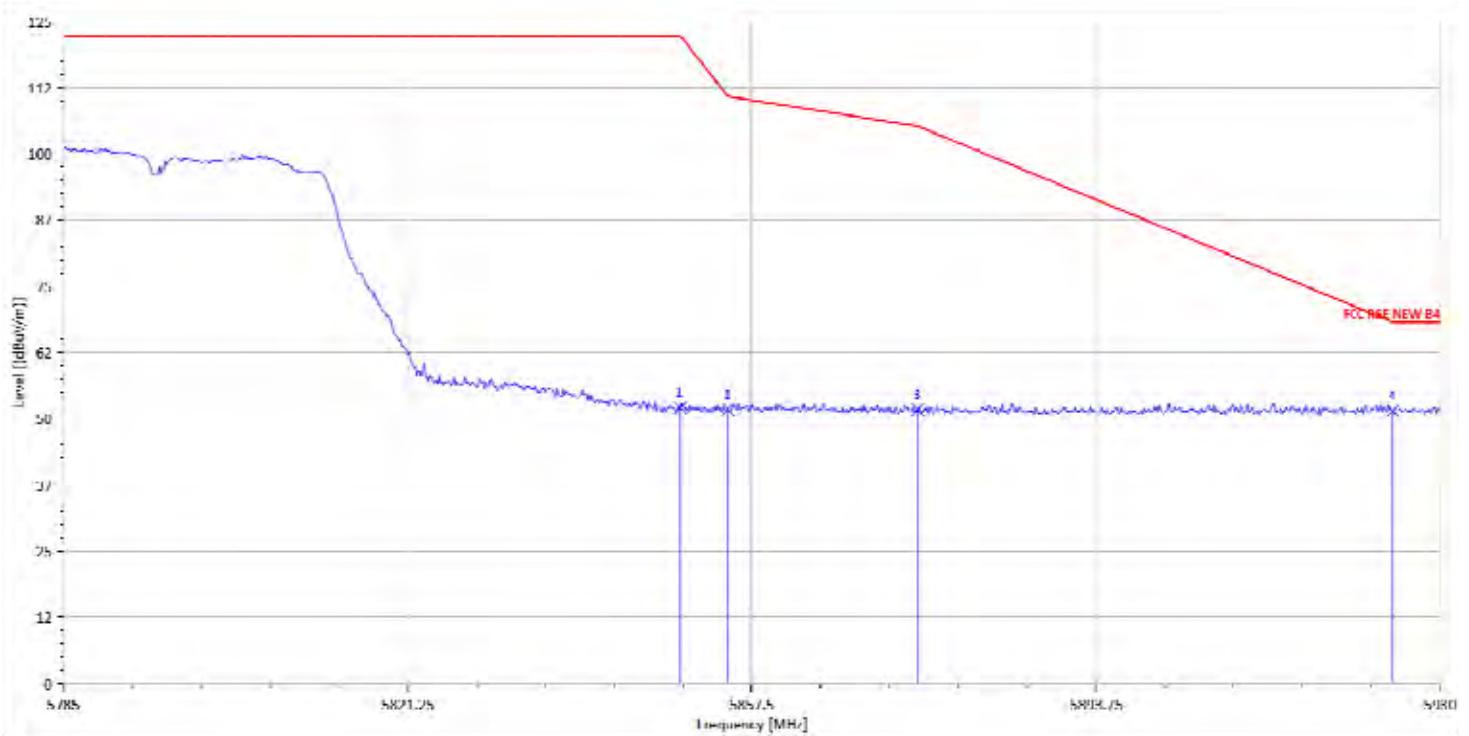
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Operation Mode :	802.11n40B4	Test Date :	2017/10/31
Fundamental Frequency :	5795 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



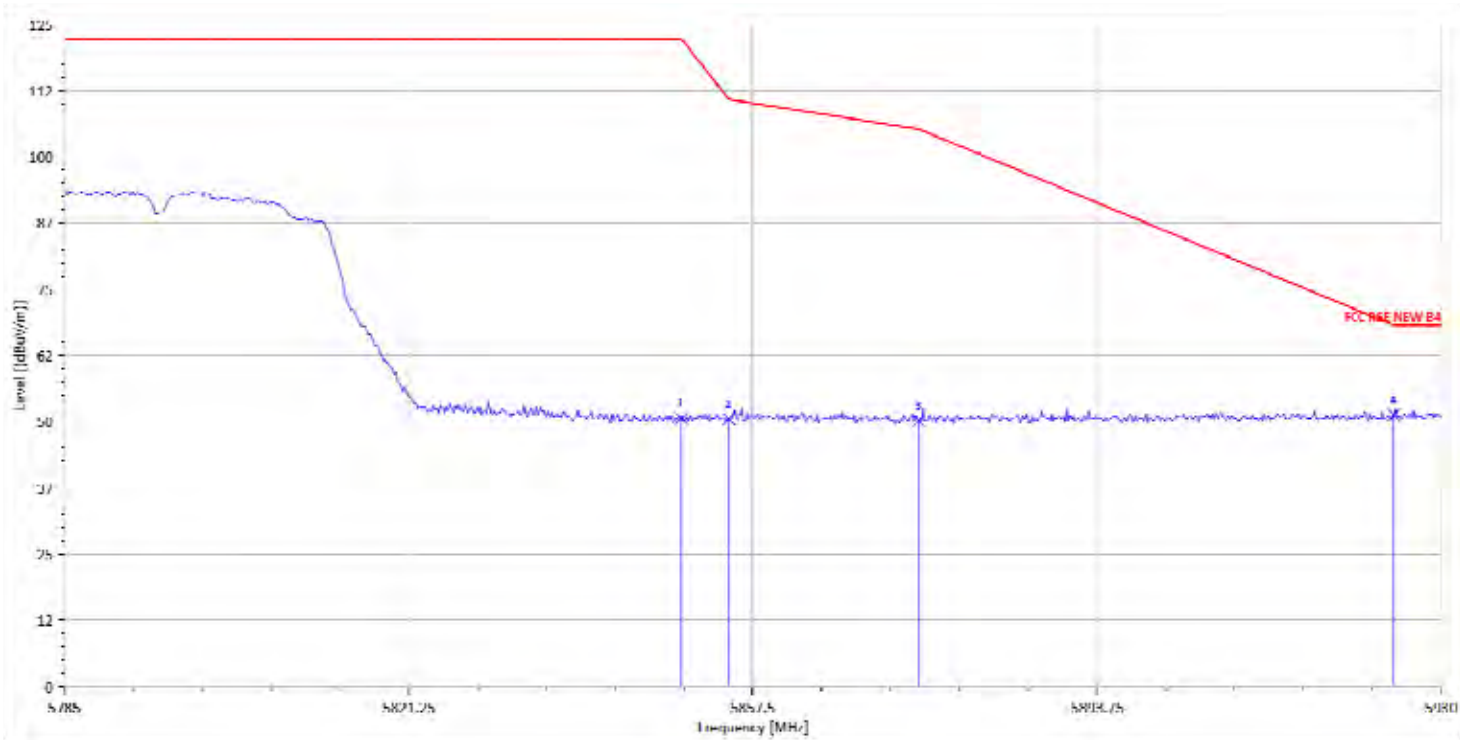
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	E	Peak	42.57	9.49	52.06	122.23	-70.17
5855.00	S	Peak	42.20	9.58	51.78	110.83	-59.05
5875.00	S	Peak	42.07	9.63	51.71	105.23	-53.52
5925.00	S	Peak	41.46	10.01	51.47	68.23	-16.76

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Operation Mode :	802.11n40B4	Test Date :	2017/10/31
Fundamental Frequency :	5795 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	E	Peak	41.16	9.49	50.65	122.23	-71.58
5855.00	S	Peak	40.99	9.58	50.57	110.83	-60.26
5875.00	S	Peak	40.59	9.63	50.22	105.23	-55.01
5925.00	S	Peak	41.29	10.01	51.30	68.23	-16.93

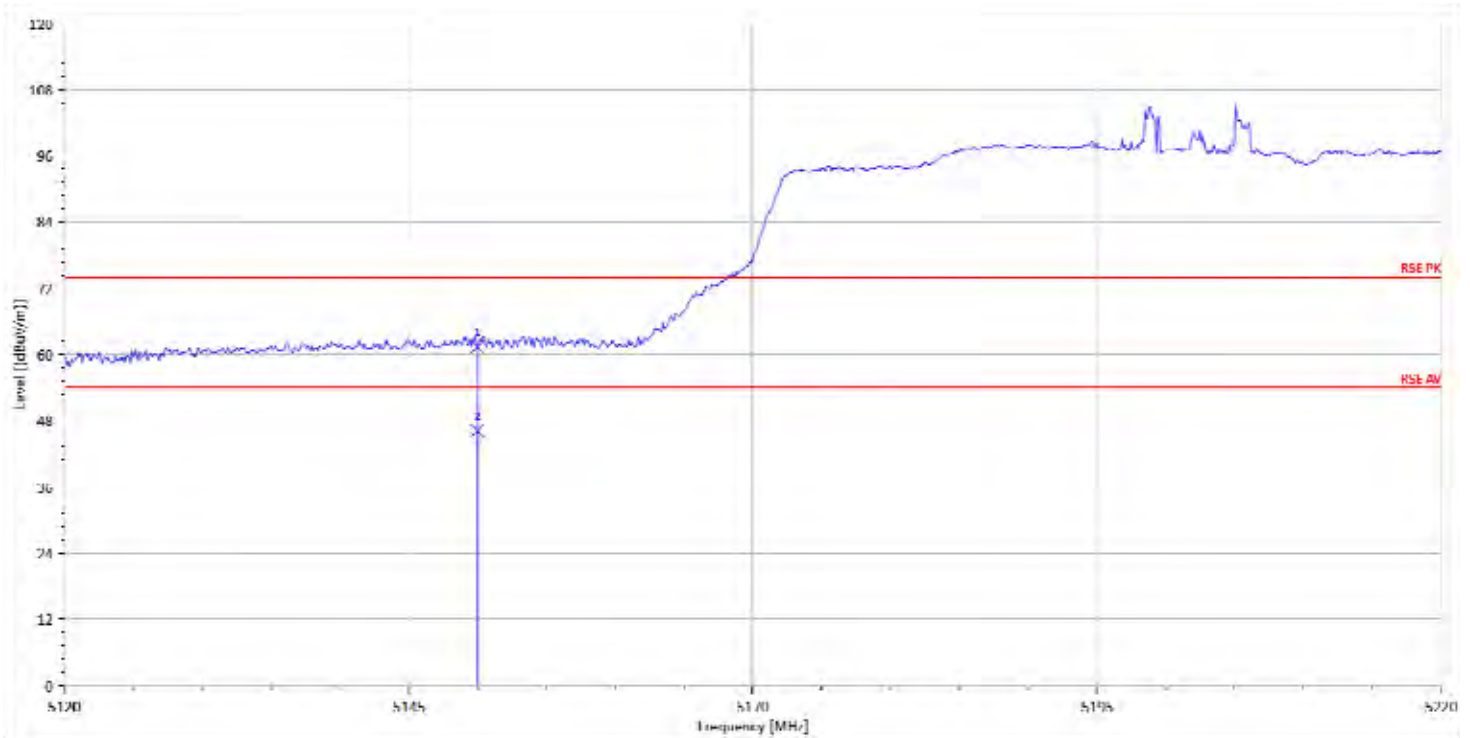
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### 802.11ac80 VHT mode

Operation Mode :	802.11ac80B1	Test Date :	2017/10/31
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



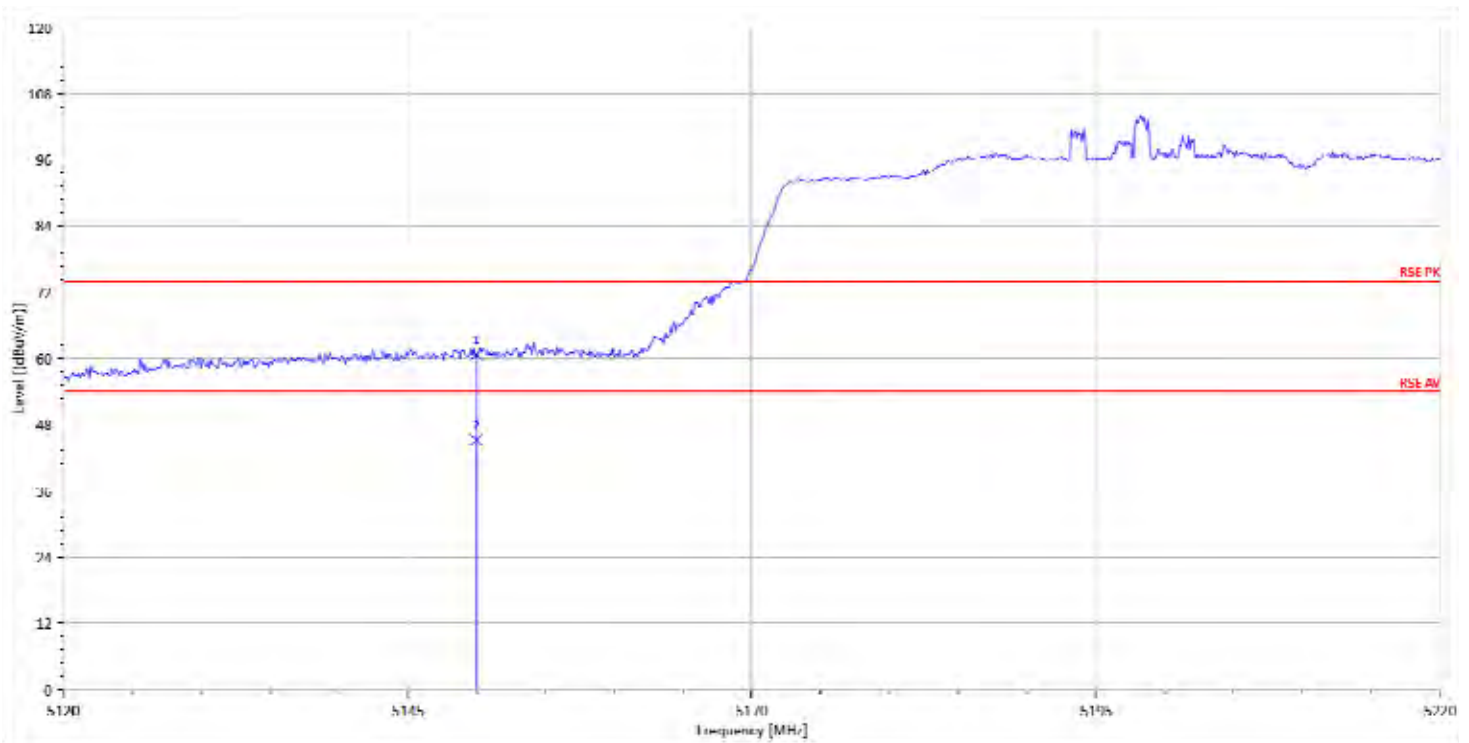
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	E	Peak	53.18	8.19	61.38	74	-12.62
5150.00	E	Average	37.99	8.19	46.18	54	-7.82

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Operation Mode :	802.11ac80B1	Test Date :	2017/10/31
Fundamental Frequency :	5210 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



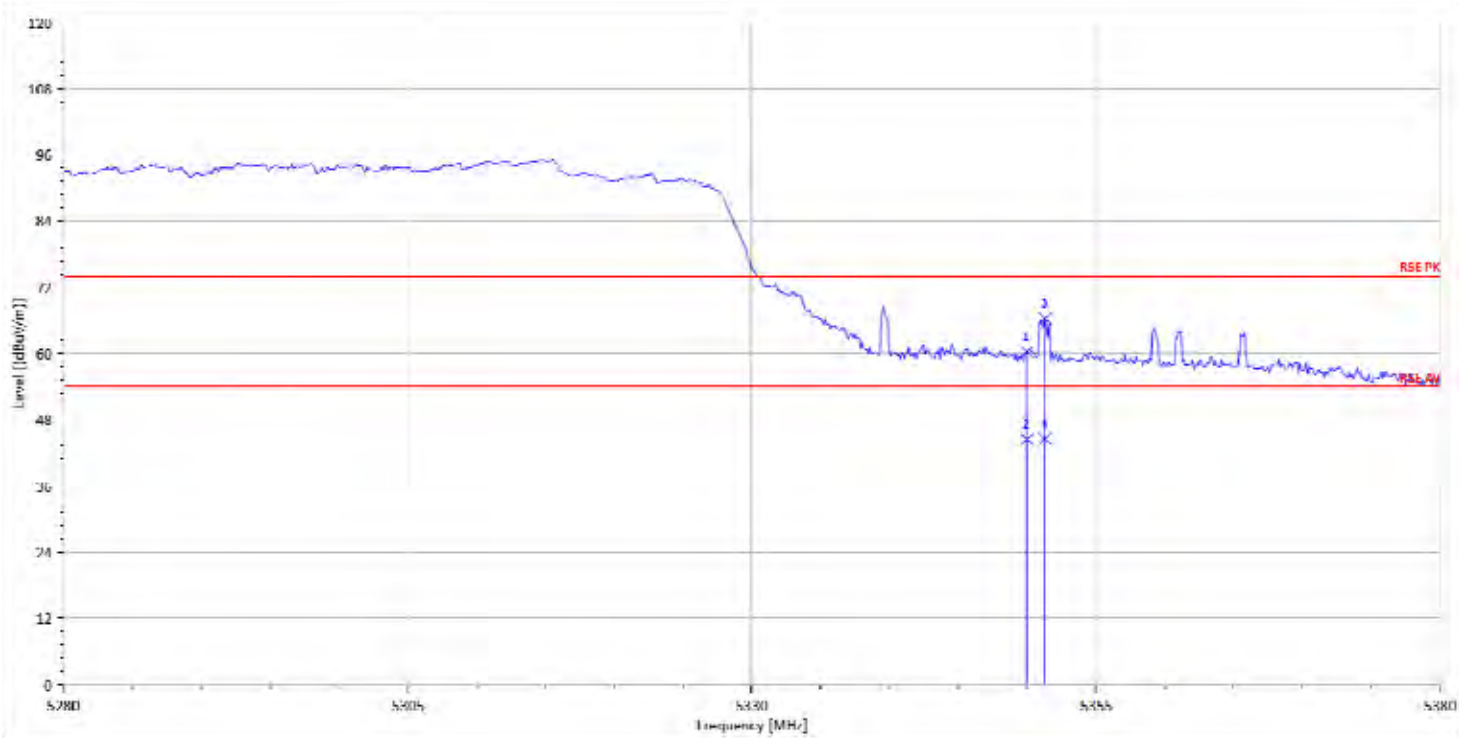
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5150.00	E	Peak	52.52	8.19	60.71	74	-13.29
5150.00	E	Average	37.04	8.19	45.23	54	-8.77

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Operation Mode :	802.11ac80B2	Test Date :	2017/10/31
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



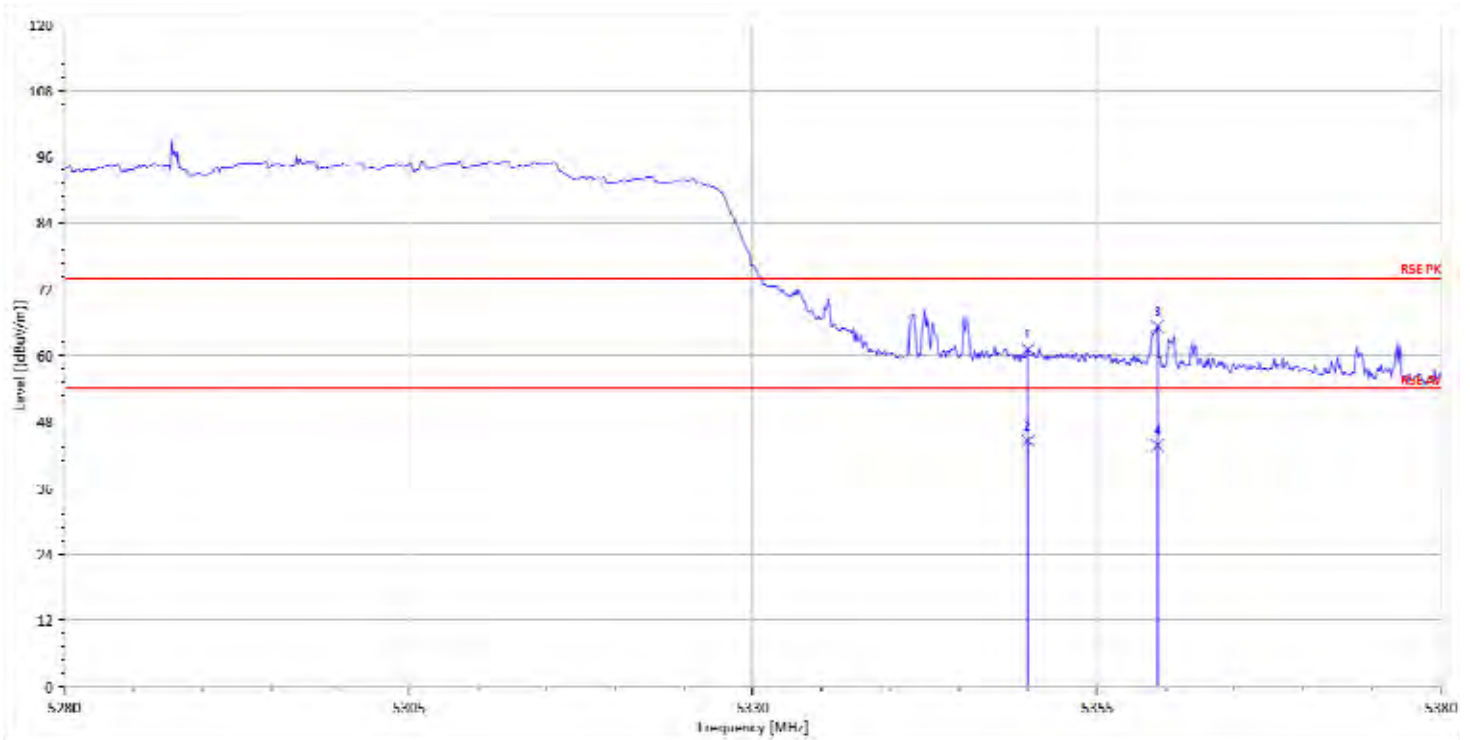
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	E	Peak	51.36	8.96	60.32	74	-13.68
5350.00	E	Average	35.45	8.96	44.41	54	-9.59
5351.30	S	Peak	57.35	8.99	66.34	74	-7.66
5351.30	S	Average	35.51	8.99	44.50	54	-9.50

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Operation Mode :	802.11ac80B2	Test Date :	2017/10/31
Fundamental Frequency :	5290 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



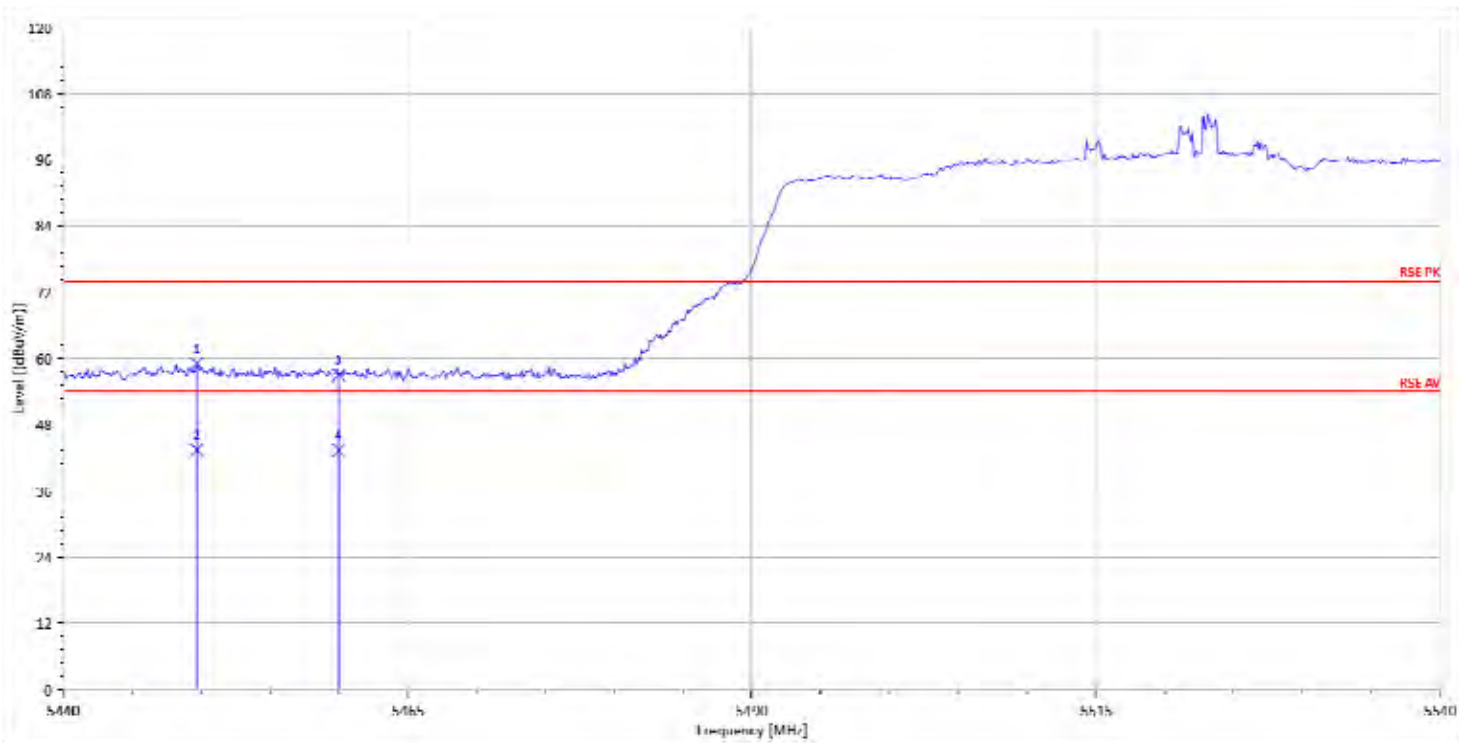
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5350.00	E	Peak	52.18	8.96	61.15	74	-12.85
5350.00	E	Average	35.56	8.96	44.52	54	-9.48
5359.40	S	Peak	56.30	8.92	65.22	74	-8.78
5359.40	S	Average	34.81	8.92	43.73	54	-10.27

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Operation Mode :	802.11ac80B3	Test Date :	2017/10/31
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



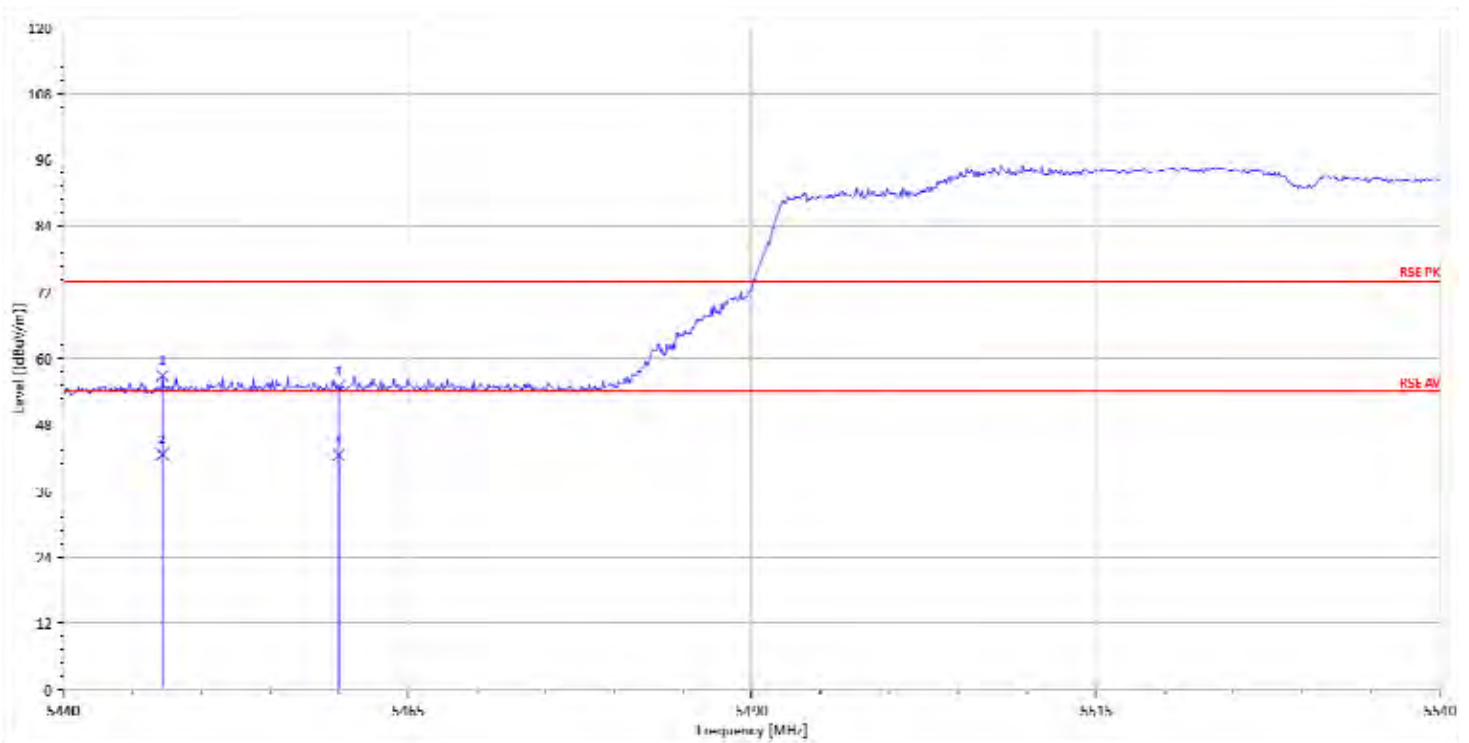
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5449.70	S	Peak	50.07	9.00	59.07	74	-14.93
5449.70	S	Average	34.44	9.00	43.44	54	-10.56
5460.00	E	Peak	48.13	8.88	57.01	74	-16.99
5460.00	E	Average	34.48	8.88	43.36	54	-10.64

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Operation Mode :	802.11ac80B3	Test Date :	2017/10/31
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5447.20	S	Peak	47.85	9.03	56.89	74	-17.11
5447.20	S	Average	33.58	9.03	42.61	54	-11.39
5460.00	E	Peak	46.07	8.88	54.95	74	-19.05
5460.00	E	Average	33.61	8.88	42.49	54	-11.51

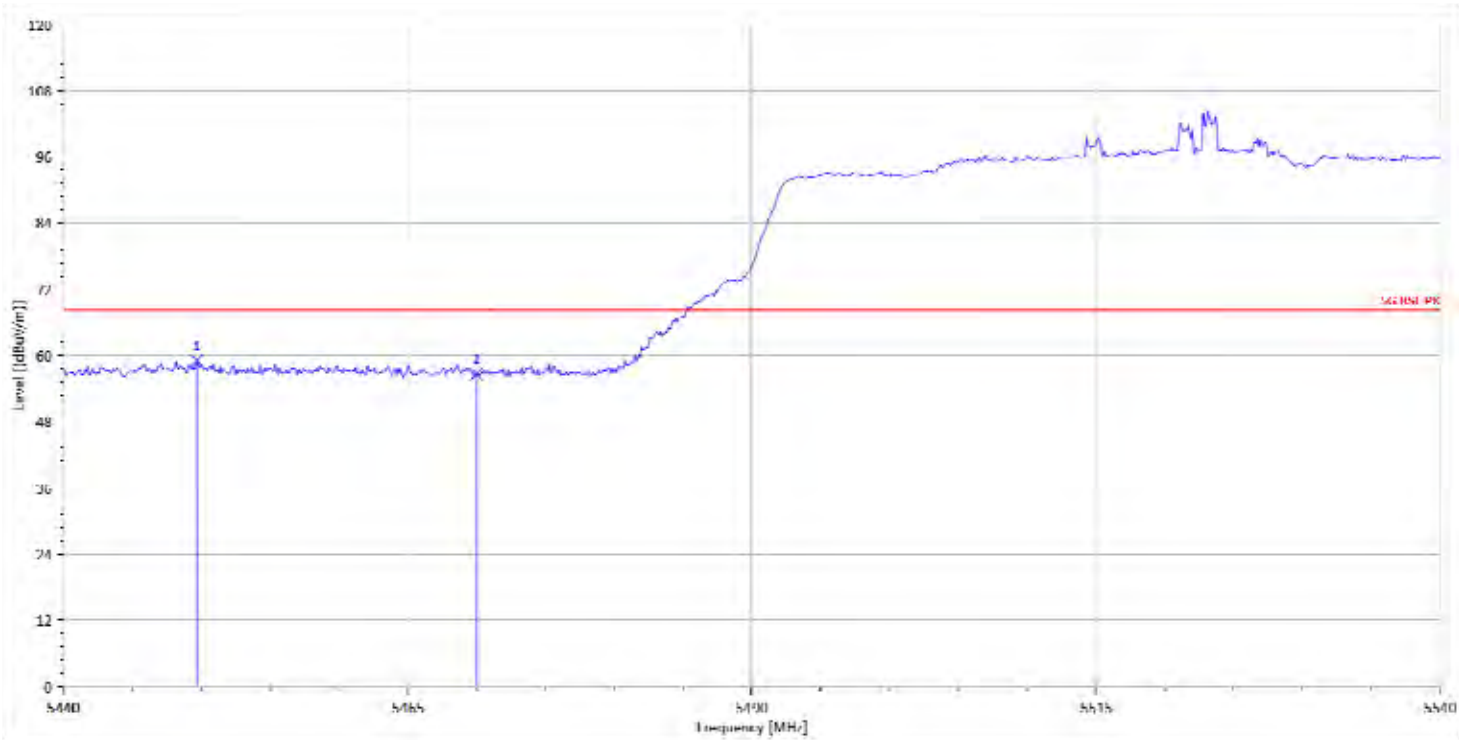
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Operation Mode :	802.11ac80B3	Test Date :	2017/10/31
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



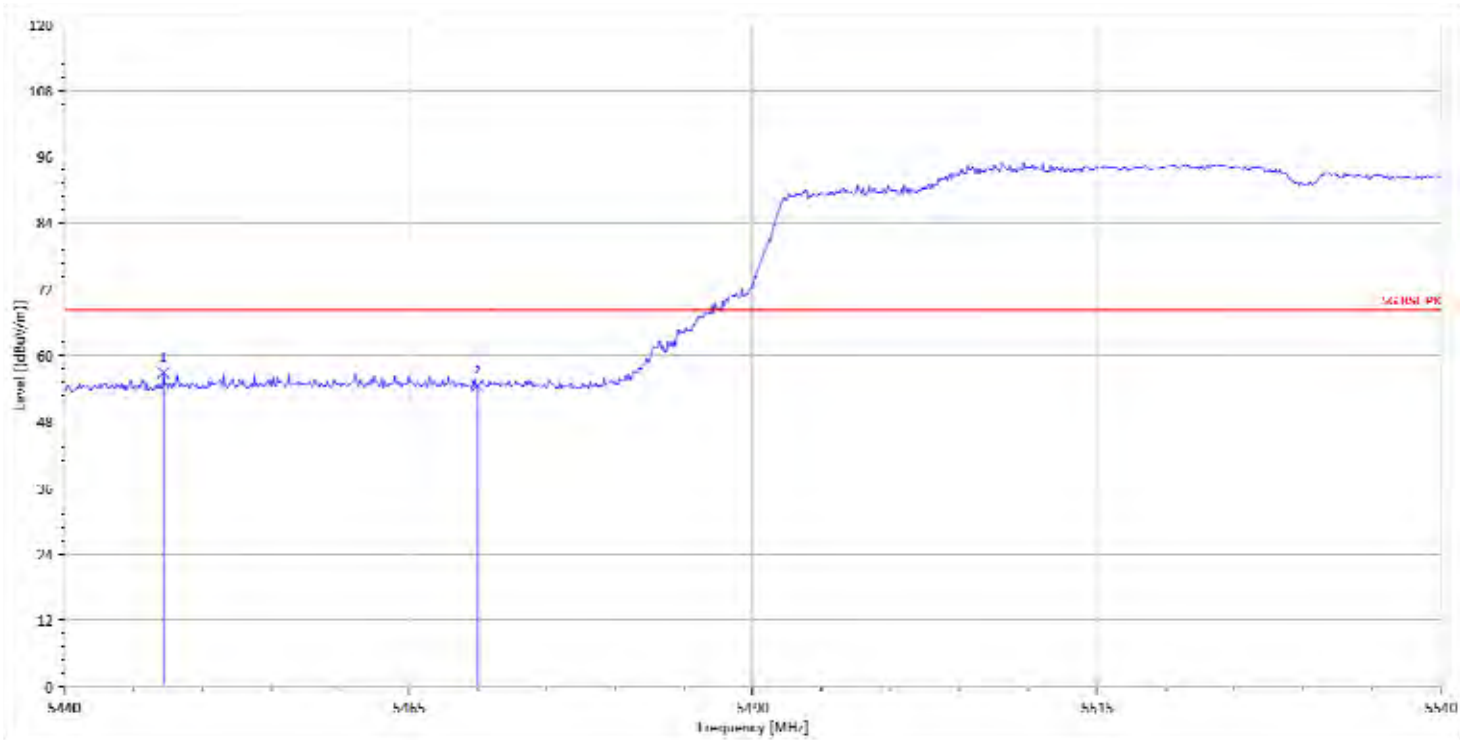
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5449.70	S	Peak	50.07	9.00	59.07	68.3	-9.23
5470.00	E	Peak	47.87	8.79	56.66	68.3	-11.64

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Operation Mode :	802.11ac80B3	Test Date :	2017/10/31
Fundamental Frequency :	5530 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW RSE	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



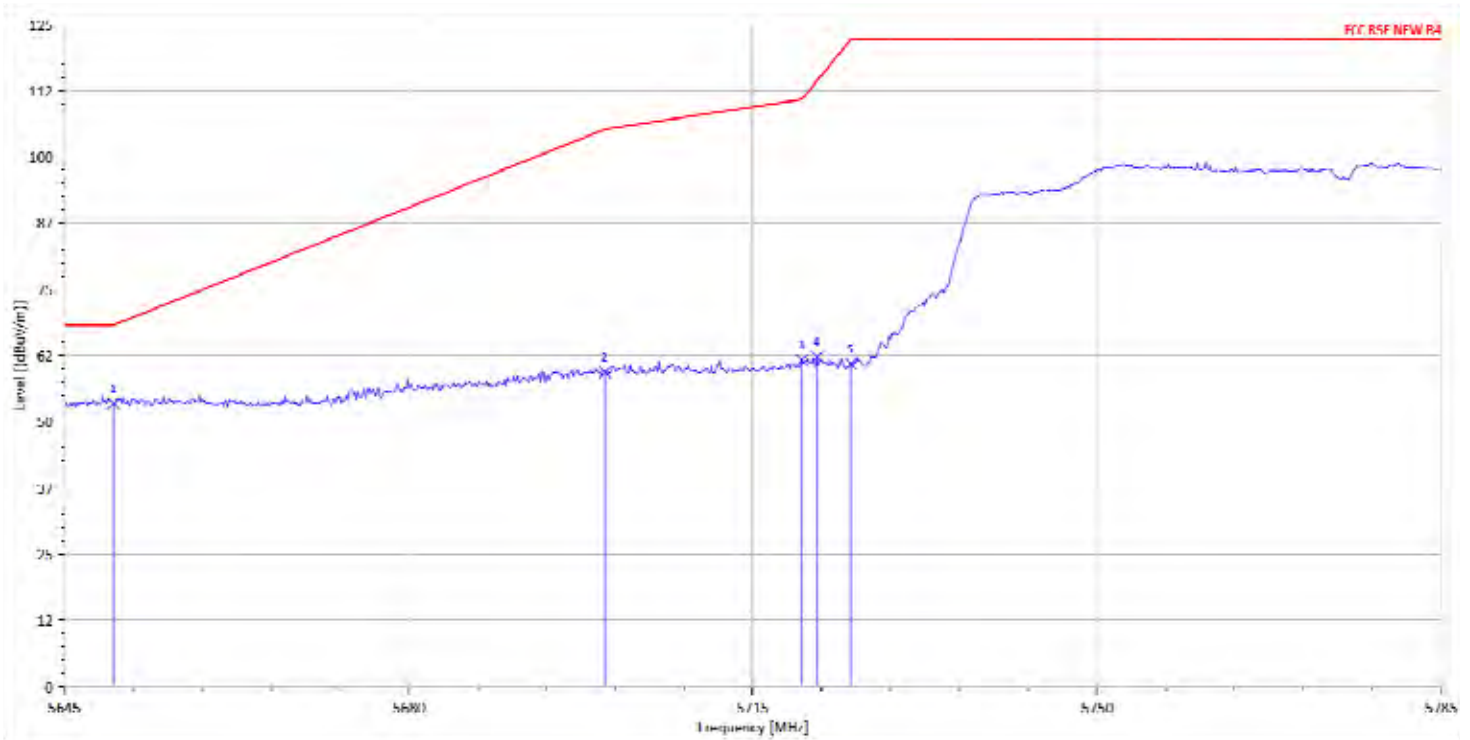
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5447.20	S	Peak	47.85	9.03	56.89	68.3	-11.41
5470.00	E	Peak	45.74	8.79	54.53	68.3	-13.77

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Operation Mode :	802.11ac80B4	Test Date :	2017/10/31
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



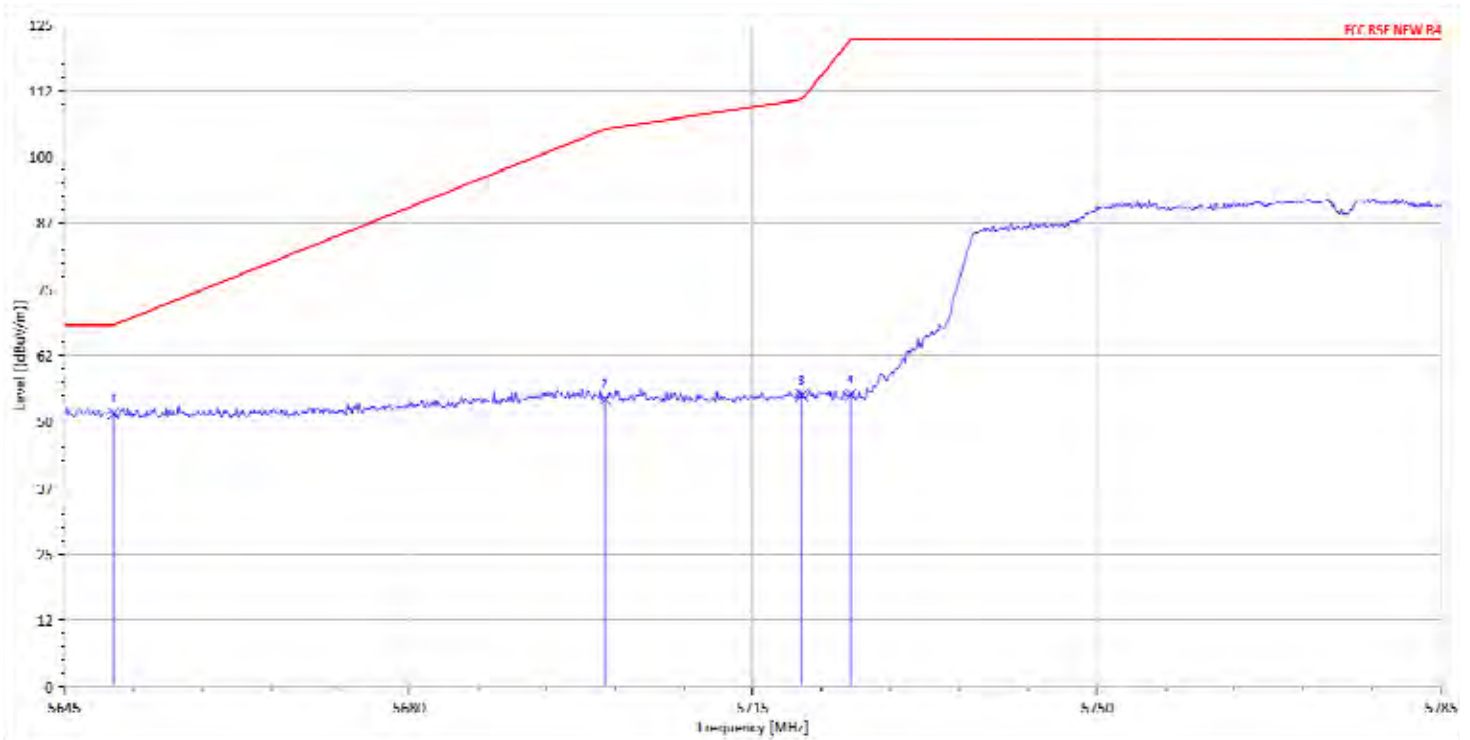
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.00	S	Peak	44.13	9.33	53.46	68.23	-14.77
5700.00	S	Peak	49.88	9.44	59.32	105.23	-45.91
5720.00	S	Peak	52.32	9.28	61.60	110.83	-49.23
5721.58	S	Peak	52.93	9.29	62.21	114.4326	-52.22
5725.00	E	Peak	51.64	9.30	60.94	122.23	-61.29

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Operation Mode :	802.11ac80B4	Test Date :	2017/10/31
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH LOW	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



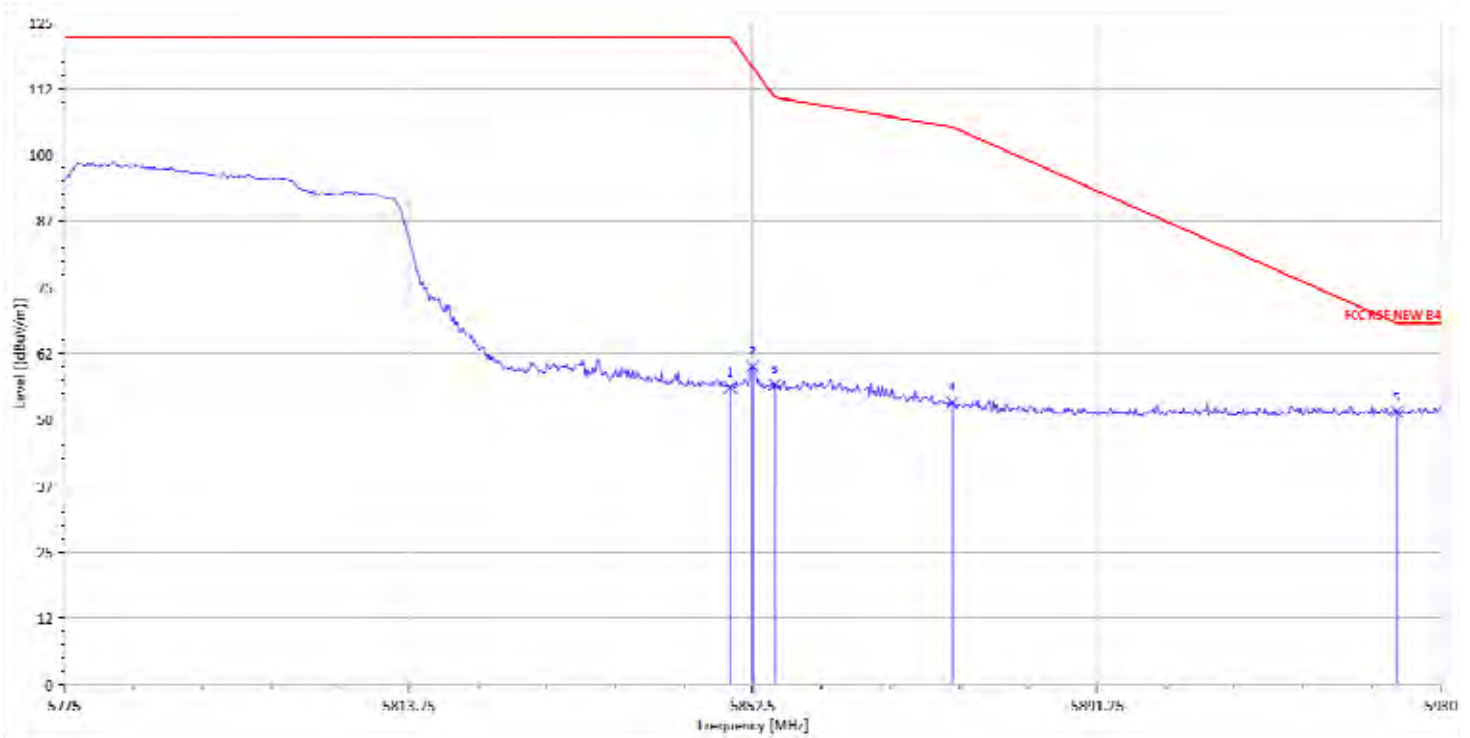
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.00	S	Peak	42.22	9.33	51.55	68.23	-16.68
5700.00	S	Peak	44.86	9.44	54.30	105.23	-50.93
5720.00	S	Peak	45.68	9.28	54.96	110.83	-55.87
5725.00	E	Peak	45.81	9.30	55.11	122.23	-67.12

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Operation Mode :	802.11ac80B4	Test Date :	2017/10/31
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



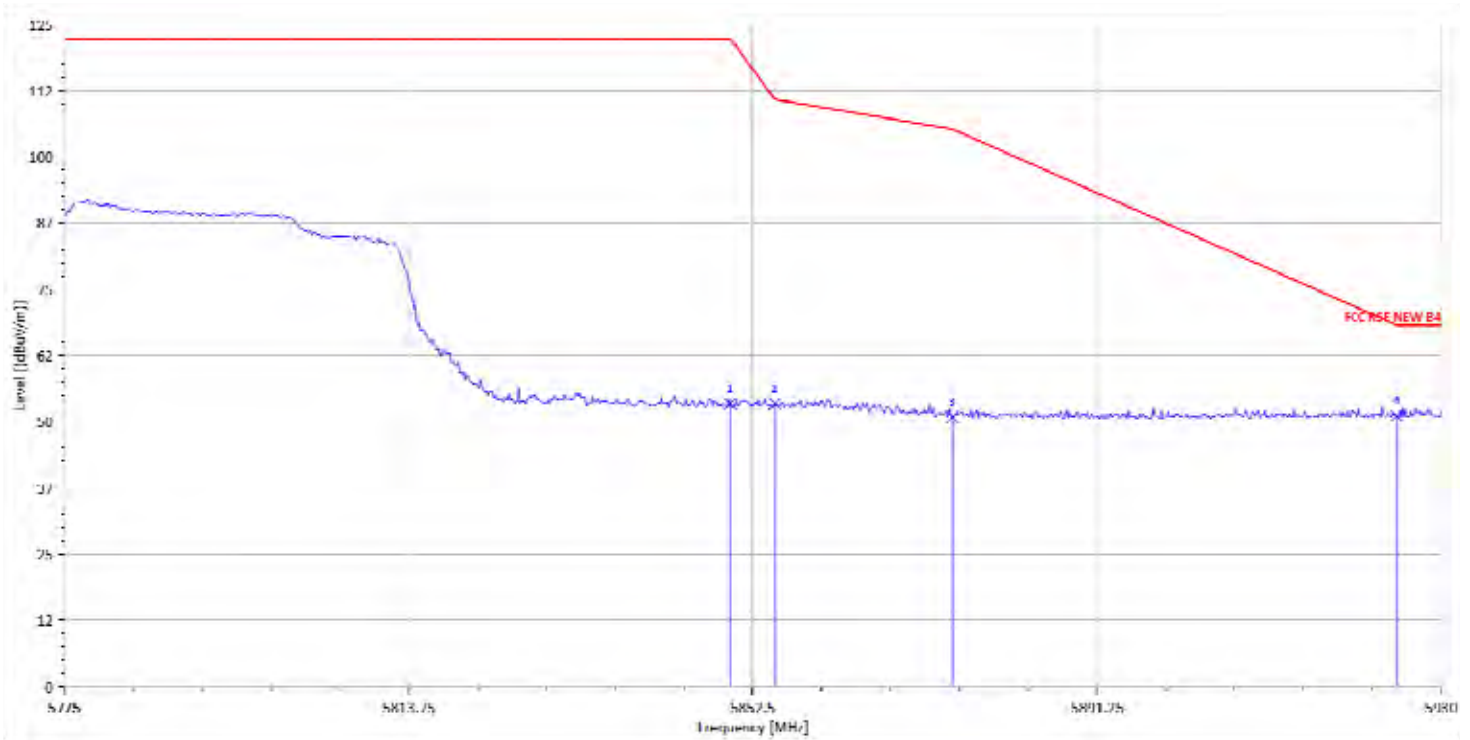
Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	E	Peak	46.60	9.49	56.09	122.23	-66.14
5852.50	S	Peak	50.51	9.53	60.05	116.53	-56.48
5855.00	S	Peak	47.03	9.58	56.61	110.83	-54.22
5875.00	S	Peak	43.57	9.63	53.21	105.23	-52.02
5925.00	S	Peak	41.48	10.01	51.50	68.23	-16.73

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Operation Mode :	802.11ac80B4	Test Date :	2017/10/31
Fundamental Frequency :	5775 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.00	E	Peak	43.91	9.49	53.39	122.23	-68.84
5855.00	S	Peak	43.87	9.58	53.45	110.83	-57.38
5875.00	S	Peak	41.28	9.63	50.91	105.23	-54.32
5925.00	S	Peak	41.07	10.01	51.08	68.23	-17.15

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## 12 TRANSMISSION IN THE ABSENCE OF DATA

### 12.1 Standard Applicable

According to §15.407(c)

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

### 12.2 Result

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

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## 13 FREQUENCY STABILITY

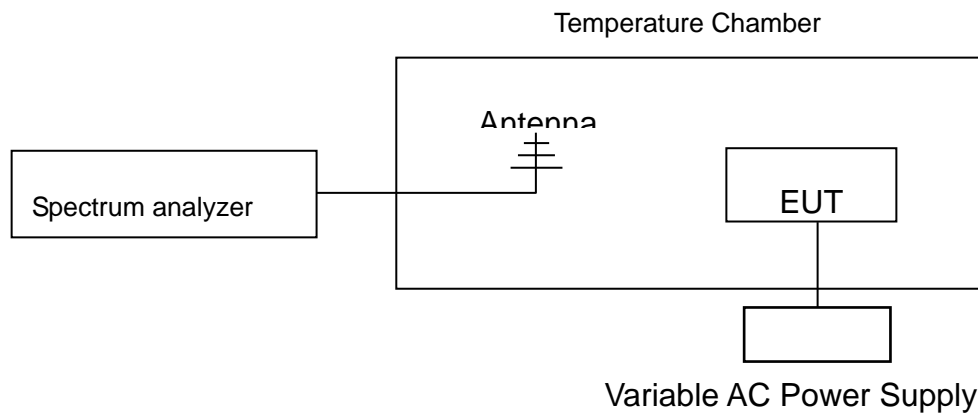
### 13.1 Standard Applicable

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

### 13.2 Measurement Procedure

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

### 13.3 Test SET-UP



### 13.4 Measurement Equipment Used:

SGS Conducted Room					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A195C	RF01	12/12/2016	12/11/2017
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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### 13.5 Measurement Result

#### Startup:

Operation Mode	802.11 a	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	36	5180	5,179.99369	0.00000122
		44	5220	5,219.99402	0.00000115
		48	5240	5,239.99345	0.00000125
		52	5260	5,259.99323	0.00000129
		60	5300	5,299.99341	0.00000124
		64	5320	5,319.99334	0.00000125
		100	5500	5,499.99351	0.00000118
		116	5580	5,579.99317	0.00000122
		140	5700	5,699.99339	0.00000116
		149	5745	5,744.99339	0.00000115
		157	5785	5,784.99282	0.00000124
		165	5825	5,824.99347	0.00000112
	10.26V	36	5180	5,179.99365	0.00000123
		44	5220	5,219.99399	0.00000115
		48	5240	5,239.99325	0.00000129
		52	5260	5,259.99403	0.00000114
		60	5300	5,299.99347	0.00000123
		64	5320	5,319.99317	0.00000128
		100	5500	5,499.99363	0.00000116
		116	5580	5,579.99373	0.00000112
		140	5700	5,699.99331	0.00000117
		149	5745	5,744.99342	0.00000114
		157	5785	5,784.99346	0.00000113
		165	5825	5,824.99364	0.00000109

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25	11.4V	36	5180	5,179.99420	0.00000112
		44	5220	5,219.99405	0.00000114
		48	5240	5,239.99405	0.00000114
		52	5260	5,259.99410	0.00000112
		60	5300	5,299.99399	0.00000113
		64	5320	5,319.99400	0.00000113
		100	5500	5,499.99370	0.00000115
		116	5580	5,579.99380	0.00000111
		140	5700	5,699.99369	0.00000111
		149	5745	5,744.99350	0.00000113
		157	5785	5,784.99371	0.00000109
		165	5825	5,824.99370	0.00000108

55	13.11V	36	5180	5,179.99373	0.00000121
		44	5220	5,219.99321	0.00000130
		48	5240	5,239.99367	0.00000121
		52	5260	5,259.99408	0.00000113
		60	5300	5,299.99323	0.00000128
		64	5320	5,319.99320	0.00000128
		100	5500	5,499.99300	0.00000127
		116	5580	5,579.99315	0.00000123
		140	5700	5,699.99316	0.00000120
		149	5745	5,744.99307	0.00000121
		157	5785	5,784.99328	0.00000116
		165	5825	5,824.99355	0.00000111
	10.26V	36	5180	5,179.99396	0.00000117
		44	5220	5,219.99315	0.00000131
		48	5240	5,239.99354	0.00000123
		52	5260	5,259.99364	0.00000121
		60	5300	5,299.99366	0.00000120
		64	5320	5,319.99394	0.00000114
		100	5500	5,499.99319	0.00000124
		116	5580	5,579.99306	0.00000124
		140	5700	5,699.99289	0.00000125
		149	5745	5,744.99343	0.00000114
		157	5785	5,784.99324	0.00000117
		165	5825	5,824.99361	0.00000110

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Operation Mode	802.11 n_HT40	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	38	5190	5,189.99340	0.00000127
		46	5230	5,229.99367	0.00000121
		54	5270	5,269.99333	0.00000127
		62	5310	5,309.99356	0.00000121
		102	5510	5,509.99294	0.00000128
		110	5550	5,549.99371	0.00000113
		134	5670	5,669.99373	0.00000111
		151	5755	5,754.99301	0.00000122
		159	5795	5,794.99285	0.00000123
	10.26V	38	5190	5,189.99374	0.00000121
		46	5230	5,229.99402	0.00000114
		54	5270	5,269.99360	0.00000121
		62	5310	5,309.99374	0.00000118
		102	5510	5,509.99299	0.00000127
		110	5550	5,549.99354	0.00000116
		134	5670	5,669.99375	0.00000110
		151	5755	5,754.99288	0.00000124
		159	5795	5,794.99322	0.00000117

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25	11.4V	38	5190	5,189.99395	0.00000117
		46	5230	5,229.99424	0.00000110
		54	5270	5,269.99409	0.00000112
		62	5310	5,309.99411	0.00000111
		102	5510	5,509.99378	0.00000113
		110	5550	5,549.99385	0.00000111
		134	5670	5,669.99380	0.00000109
		151	5755	5,754.99360	0.00000111
		159	5795	5,794.99375	0.00000108
55	13.11V	38	5190	5,189.99392	0.00000117
		46	5230	5,229.99364	0.00000122
		54	5270	5,269.99331	0.00000127
		62	5310	5,309.99394	0.00000114
		102	5510	5,509.99292	0.00000129
		110	5550	5,549.99302	0.00000126
		134	5670	5,669.99346	0.00000115
		151	5755	5,754.99281	0.00000125
		159	5795	5,794.99339	0.00000114
	10.26V	38	5190	5,189.99316	0.00000132
		46	5230	5,229.99410	0.00000113
		54	5270	5,269.99391	0.00000116
		62	5310	5,309.99354	0.00000122
		102	5510	5,509.99312	0.00000125
		110	5550	5,549.99305	0.00000125
		134	5670	5,669.99356	0.00000114
		151	5755	5,754.99341	0.00000114
		159	5795	5,794.99320	0.00000117

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Operation Mode	802.11 ac_VHT80	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	42	5210	5,209.99331	0.00000128
		58	5290	5,289.99355	0.00000122
		106	5530	5,529.99342	0.00000119
		122	5610	5,609.99367	0.00000113
		155	5775	5,774.99358	0.00000111
	10.26V	42	5210	5,209.99375	0.00000120
		58	5290	5,289.99352	0.00000123
		106	5530	5,529.99322	0.00000123
		122	5610	5,609.99376	0.00000111
		155	5775	5,774.99343	0.00000114
25	11.4V	42	5210	5,209.99417	0.00000112
		58	5290	5,289.99410	0.00000112
		106	5530	5,529.99375	0.00000113
		122	5610	5,609.99394	0.00000108
		155	5775	5,774.99377	0.00000108
55	13.11V	42	5210	5,209.99329	0.00000129
		58	5290	5,289.99369	0.00000119
		106	5530	5,529.99298	0.00000127
		122	5610	5,609.99359	0.00000114
		155	5775	5,774.99288	0.00000123
	10.26V	42	5210	5,209.99361	0.00000123
		58	5290	5,289.99387	0.00000116
		106	5530	5,529.99353	0.00000117
		122	5610	5,609.99328	0.00000120
		155	5775	5,774.99334	0.00000115

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2 Minutes:

Operation Mode	802.11 a	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	36	5180	5,179.99394	0.00000117
		44	5220	5,219.99315	0.00000131
		48	5240	5,239.99335	0.00000127
		52	5260	5,259.99345	0.00000125
		60	5300	5,299.99380	0.00000117
		64	5320	5,319.99342	0.00000124
		100	5500	5,499.99320	0.00000124
		116	5580	5,579.99375	0.00000112
		140	5700	5,699.99291	0.00000124
		149	5745	5,744.99281	0.00000125
		157	5785	5,784.99359	0.00000111
		165	5825	5,824.99359	0.00000110
	10.26V	36	5180	5,179.99417	0.00000113
		44	5220	5,219.99353	0.00000124
		48	5240	5,239.99336	0.00000127
		52	5260	5,259.99344	0.00000125
		60	5300	5,299.99387	0.00000116
		64	5320	5,319.99395	0.00000114
		100	5500	5,499.99334	0.00000121
		116	5580	5,579.99289	0.00000127
		140	5700	5,699.99318	0.00000120
		149	5745	5,744.99323	0.00000118
		157	5785	5,784.99344	0.00000113
		165	5825	5,824.99369	0.00000108

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25	11.4V	36	5180	5,179.99388	0.00000118
		44	5220	5,219.99361	0.00000122
		48	5240	5,239.99340	0.00000126
		52	5260	5,259.99339	0.00000126
		60	5300	5,299.99316	0.00000129
		64	5320	5,319.99363	0.00000120
		100	5500	5,499.99360	0.00000116
		116	5580	5,579.99298	0.00000126
		140	5700	5,699.99346	0.00000115
		149	5745	5,744.99342	0.00000115
		157	5785	5,784.99336	0.00000115
		165	5825	5,824.99308	0.00000119

55	13.11V	36	5180	5,179.99407	0.00000114
		44	5220	5,219.99350	0.00000124
		48	5240	5,239.99370	0.00000120
		52	5260	5,259.99338	0.00000126
		60	5300	5,299.99397	0.00000114
		64	5320	5,319.99347	0.00000123
		100	5500	5,499.99351	0.00000118
		116	5580	5,579.99314	0.00000123
		140	5700	5,699.99293	0.00000124
		149	5745	5,744.99323	0.00000118
		157	5785	5,784.99291	0.00000123
		165	5825	5,824.99330	0.00000115
	10.26V	36	5180	5,179.99344	0.00000127
		44	5220	5,219.99367	0.00000121
		48	5240	5,239.99398	0.00000115
		52	5260	5,259.99347	0.00000124
		60	5300	5,299.99319	0.00000129
		64	5320	5,319.99316	0.00000128
		100	5500	5,499.99368	0.00000115
		116	5580	5,579.99317	0.00000122
		140	5700	5,699.99305	0.00000122
		149	5745	5,744.99338	0.00000115
		157	5785	5,784.99285	0.00000124
		165	5825	5,824.99283	0.00000123

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Operation Mode	802.11 n_HT40	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	38	5190	5,189.99365	0.00000122
		46	5230	5,229.99418	0.00000111
		54	5270	5,269.99392	0.00000115
		62	5310	5,309.99397	0.00000114
		102	5510	5,509.99346	0.00000119
		110	5550	5,549.99313	0.00000124
		134	5670	5,669.99370	0.00000111
		151	5755	5,754.99311	0.00000120
	159	5795	5,794.99368	0.00000109	
	10.26V	38	5190	5,189.99356	0.00000124
		46	5230	5,229.99416	0.00000112
		54	5270	5,269.99334	0.00000126
		62	5310	5,309.99323	0.00000128
		102	5510	5,509.99360	0.00000116
		110	5550	5,549.99334	0.00000120
		134	5670	5,669.99324	0.00000119
151		5755	5,754.99342	0.00000114	
159	5795	5,794.99311	0.00000119		

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25	11.4V	38	5190	5,189.99383	0.00000119
		46	5230	5,229.99422	0.00000111
		54	5270	5,269.99375	0.00000119
		62	5310	5,309.99343	0.00000124
		102	5510	5,509.99288	0.00000129
		110	5550	5,549.99366	0.00000114
		134	5670	5,669.99349	0.00000115
		151	5755	5,754.99276	0.00000126
		159	5795	5,794.99350	0.00000112
55	13.11V	38	5190	5,189.99326	0.00000130
		46	5230	5,229.99399	0.00000115
		54	5270	5,269.99350	0.00000123
		62	5310	5,309.99394	0.00000114
		102	5510	5,509.99342	0.00000120
		110	5550	5,549.99325	0.00000122
		134	5670	5,669.99311	0.00000122
		151	5755	5,754.99290	0.00000123
		159	5795	5,794.99321	0.00000117
	10.26V	38	5190	5,189.99389	0.00000118
		46	5230	5,229.99414	0.00000112
		54	5270	5,269.99391	0.00000115
		62	5310	5,309.99347	0.00000123
		102	5510	5,509.99306	0.00000126
		110	5550	5,549.99363	0.00000115
		134	5670	5,669.99331	0.00000118
		151	5755	5,754.99351	0.00000113
		159	5795	5,794.99327	0.00000116

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Operation Mode	802.11 ac_VHT80	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	42	5210	5,209.99398	0.00000116
		58	5290	5,289.99338	0.00000125
		106	5530	5,529.99310	0.00000125
		122	5610	5,609.99320	0.00000121
		155	5775	5,774.99362	0.00000111
	10.26V	42	5210	5,209.99382	0.00000119
		58	5290	5,289.99325	0.00000128
		106	5530	5,529.99346	0.00000118
		122	5610	5,609.99375	0.00000111
		155	5775	5,774.99351	0.00000112
25	11.4V	42	5210	5,209.99374	0.00000120
		58	5290	5,289.99351	0.00000123
		106	5530	5,529.99316	0.00000124
		122	5610	5,609.99346	0.00000117
		155	5775	5,774.99356	0.00000112
55	13.11V	42	5210	5,209.99329	0.00000129
		58	5290	5,289.99363	0.00000120
		106	5530	5,529.99284	0.00000129
		122	5610	5,609.99329	0.00000120
		155	5775	5,774.99306	0.00000120
	10.26V	42	5210	5,209.99371	0.00000121
		58	5290	5,289.99388	0.00000116
		106	5530	5,529.99344	0.00000119
		122	5610	5,609.99328	0.00000120
		155	5775	5,774.99343	0.00000114

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5 Minutes:

Operation Mode	802.11 a	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	36	5180	5,179.99379	0.00000120
		44	5220	5,219.99334	0.00000128
		48	5240	5,239.99358	0.00000123
		52	5260	5,259.99397	0.00000115
		60	5300	5,299.99356	0.00000121
		64	5320	5,319.99338	0.00000124
		100	5500	5,499.99358	0.00000117
		116	5580	5,579.99345	0.00000117
		140	5700	5,699.99358	0.00000113
		149	5745	5,744.99272	0.00000127
		157	5785	5,784.99324	0.00000117
		165	5825	5,824.99319	0.00000117
	10.26V	36	5180	5,179.99385	0.00000119
		44	5220	5,219.99370	0.00000121
		48	5240	5,239.99382	0.00000118
		52	5260	5,259.99327	0.00000128
		60	5300	5,299.99347	0.00000123
		64	5320	5,319.99335	0.00000125
		100	5500	5,499.99298	0.00000128
		116	5580	5,579.99337	0.00000119
		140	5700	5,699.99335	0.00000117
		149	5745	5,744.99287	0.00000124
		157	5785	5,784.99318	0.00000118
		165	5825	5,824.99368	0.00000109

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25	11.4V	36	5180	5,179.99383	0.00000119
		44	5220	5,219.99371	0.00000120
		48	5240	5,239.99382	0.00000118
		52	5260	5,259.99378	0.00000118
		60	5300	5,299.99368	0.00000119
		64	5320	5,319.99351	0.00000122
		100	5500	5,499.99346	0.00000119
		116	5580	5,579.99330	0.00000120
		140	5700	5,699.99321	0.00000119
		149	5745	5,744.99321	0.00000118
		157	5785	5,784.99295	0.00000122
		165	5825	5,824.99328	0.00000115

55	13.11V	36	5180	5,179.99382	0.00000119
		44	5220	5,219.99324	0.00000129
		48	5240	5,239.99356	0.00000123
		52	5260	5,259.99370	0.00000120
		60	5300	5,299.99323	0.00000128
		64	5320	5,319.99340	0.00000124
		100	5500	5,499.99356	0.00000117
		116	5580	5,579.99307	0.00000124
		140	5700	5,699.99280	0.00000126
		149	5745	5,744.99283	0.00000125
		157	5785	5,784.99297	0.00000122
		165	5825	5,824.99346	0.00000112
	10.26V	36	5180	5,179.99401	0.00000116
		44	5220	5,219.99387	0.00000118
		48	5240	5,239.99365	0.00000121
		52	5260	5,259.99320	0.00000129
		60	5300	5,299.99381	0.00000117
		64	5320	5,319.99399	0.00000113
		100	5500	5,499.99349	0.00000118
		116	5580	5,579.99294	0.00000127
		140	5700	5,699.99320	0.00000119
		149	5745	5,744.99341	0.00000115
		157	5785	5,784.99346	0.00000113
		165	5825	5,824.99285	0.00000123

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Operation Mode	802.11 n_HT40	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	38	5190	5,189.99375	0.00000120
		46	5230	5,229.99413	0.00000112
		54	5270	5,269.99359	0.00000122
		62	5310	5,309.99351	0.00000122
		102	5510	5,509.99376	0.00000113
		110	5550	5,549.99366	0.00000114
		134	5670	5,669.99379	0.00000110
		151	5755	5,754.99290	0.00000123
		159	5795	5,794.99328	0.00000116
	10.26V	38	5190	5,189.99387	0.00000118
		46	5230	5,229.99350	0.00000124
		54	5270	5,269.99338	0.00000126
		62	5310	5,309.99336	0.00000125
		102	5510	5,509.99297	0.00000128
		110	5550	5,549.99375	0.00000113
		134	5670	5,669.99320	0.00000120
		151	5755	5,754.99278	0.00000125
		159	5795	5,794.99355	0.00000111

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25	11.4V	38	5190	5,189.99334	0.00000128
		46	5230	5,229.99342	0.00000126
		54	5270	5,269.99405	0.00000113
		62	5310	5,309.99342	0.00000124
		102	5510	5,509.99361	0.00000116
		110	5550	5,549.99307	0.00000125
		134	5670	5,669.99366	0.00000112
		151	5755	5,754.99320	0.00000118
		159	5795	5,794.99348	0.00000112
55	13.11V	38	5190	5,189.99329	0.00000129
		46	5230	5,229.99343	0.00000126
		54	5270	5,269.99333	0.00000127
		62	5310	5,309.99325	0.00000127
		102	5510	5,509.99305	0.00000126
		110	5550	5,549.99318	0.00000123
		134	5670	5,669.99344	0.00000116
		151	5755	5,754.99301	0.00000121
		159	5795	5,794.99313	0.00000119
	10.26V	38	5190	5,189.99348	0.00000126
		46	5230	5,229.99362	0.00000122
		54	5270	5,269.99326	0.00000128
		62	5310	5,309.99340	0.00000124
		102	5510	5,509.99291	0.00000129
		110	5550	5,549.99345	0.00000118
		134	5670	5,669.99369	0.00000111
		151	5755	5,754.99332	0.00000116
		159	5795	5,794.99351	0.00000112

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Operation Mode	802.11 ac_VHT80	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	42	5210	5,209.99402	0.00000115
		58	5290	5,289.99387	0.00000116
		106	5530	5,529.99311	0.00000125
		122	5610	5,609.99352	0.00000116
		155	5775	5,774.99308	0.00000120
	10.26V	42	5210	5,209.99369	0.00000121
		58	5290	5,289.99357	0.00000122
		106	5530	5,529.99287	0.00000129
		122	5610	5,609.99327	0.00000120
		155	5775	5,774.99336	0.00000115
25	11.4V	42	5210	5,209.99356	0.00000124
		58	5290	5,289.99397	0.00000114
		106	5530	5,529.99326	0.00000122
		122	5610	5,609.99368	0.00000113
		155	5775	5,774.99351	0.00000112
55	13.11V	42	5210	5,209.99336	0.00000128
		58	5290	5,289.99369	0.00000119
		106	5530	5,529.99310	0.00000125
		122	5610	5,609.99353	0.00000115
		155	5775	5,774.99313	0.00000119
	10.26V	42	5210	5,209.99333	0.00000128
		58	5290	5,289.99323	0.00000128
		106	5530	5,529.99316	0.00000124
		122	5610	5,609.99375	0.00000111
		155	5775	5,774.99338	0.00000115

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10 Minutes:

Operation Mode	802.11 a	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	36	5180	5,179.99397	0.00000116
		44	5220	5,219.99390	0.00000117
		48	5240	5,239.99400	0.00000115
		52	5260	5,259.99357	0.00000122
		60	5300	5,299.99322	0.00000128
		64	5320	5,319.99320	0.00000128
		100	5500	5,499.99300	0.00000127
		116	5580	5,579.99297	0.00000126
		140	5700	5,699.99314	0.00000120
		149	5745	5,744.99330	0.00000117
		157	5785	5,784.99345	0.00000113
		165	5825	5,824.99282	0.00000123
	10.26V	36	5180	5,179.99366	0.00000122
		44	5220	5,219.99327	0.00000129
		48	5240	5,239.99330	0.00000128
		52	5260	5,259.99385	0.00000117
		60	5300	5,299.99381	0.00000117
		64	5320	5,319.99381	0.00000116
		100	5500	5,499.99364	0.00000116
		116	5580	5,579.99338	0.00000119
		140	5700	5,699.99333	0.00000117
		149	5745	5,744.99292	0.00000123
		157	5785	5,784.99317	0.00000118
		165	5825	5,824.99329	0.00000115

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25	11.4V	36	5180	5,179.99415	0.00000113
		44	5220	5,219.99359	0.00000123
		48	5240	5,239.99339	0.00000126
		52	5260	5,259.99389	0.00000116
		60	5300	5,299.99347	0.00000123
		64	5320	5,319.99370	0.00000118
		100	5500	5,499.99291	0.00000129
		116	5580	5,579.99341	0.00000118
		140	5700	5,699.99323	0.00000119
		149	5745	5,744.99290	0.00000124
		157	5785	5,784.99315	0.00000118
		165	5825	5,824.99359	0.00000110

55	13.11V	36	5180	5,179.99363	0.00000123
		44	5220	5,219.99341	0.00000126
		48	5240	5,239.99379	0.00000118
		52	5260	5,259.99327	0.00000128
		60	5300	5,299.99311	0.00000130
		64	5320	5,319.99319	0.00000128
		100	5500	5,499.99308	0.00000126
		116	5580	5,579.99318	0.00000122
		140	5700	5,699.99344	0.00000115
		149	5745	5,744.99300	0.00000122
		157	5785	5,784.99329	0.00000116
		165	5825	5,824.99338	0.00000114
	10.26V	36	5180	5,179.99341	0.00000127
		44	5220	5,219.99359	0.00000123
		48	5240	5,239.99395	0.00000115
		52	5260	5,259.99383	0.00000117
		60	5300	5,299.99398	0.00000114
		64	5320	5,319.99333	0.00000125
		100	5500	5,499.99351	0.00000118
		116	5580	5,579.99320	0.00000122
		140	5700	5,699.99296	0.00000124
		149	5745	5,744.99344	0.00000114
		157	5785	5,784.99291	0.00000122
		165	5825	5,824.99357	0.00000110

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Operation Mode	802.11 n_HT40	Test Date	2017.11.01
Temperature	:25	Test By	Henry
Humidity	:63 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	38	5190	5,189.99390	0.00000118
		46	5230	5,229.99370	0.00000120
		54	5270	5,269.99320	0.00000129
		62	5310	5,309.99378	0.00000117
		102	5510	5,509.99343	0.00000119
		110	5550	5,549.99339	0.00000119
		134	5670	5,669.99360	0.00000113
		151	5755	5,754.99289	0.00000124
	159	5795	5,794.99342	0.00000114	
	10.26V	38	5190	5,189.99357	0.00000124
		46	5230	5,229.99401	0.00000115
		54	5270	5,269.99400	0.00000114
		62	5310	5,309.99356	0.00000121
		102	5510	5,509.99371	0.00000114
		110	5550	5,549.99306	0.00000125
		134	5670	5,669.99306	0.00000122
151		5755	5,754.99300	0.00000122	
159	5795	5,794.99309	0.00000119		

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25	11.4V	38	5190	5,189.99352	0.00000125
		46	5230	5,229.99351	0.00000124
		54	5270	5,269.99332	0.00000127
		62	5310	5,309.99348	0.00000123
		102	5510	5,509.99295	0.00000128
		110	5550	5,549.99381	0.00000112
		134	5670	5,669.99345	0.00000115
		151	5755	5,754.99277	0.00000126
		159	5795	5,794.99364	0.00000110
55	13.11V	38	5190	5,189.99373	0.00000121
		46	5230	5,229.99376	0.00000119
		54	5270	5,269.99408	0.00000112
		62	5310	5,309.99397	0.00000114
		102	5510	5,509.99321	0.00000123
		110	5550	5,549.99315	0.00000123
		134	5670	5,669.99361	0.00000113
		151	5755	5,754.99348	0.00000113
		159	5795	5,794.99339	0.00000114
	10.26V	38	5190	5,189.99368	0.00000122
		46	5230	5,229.99407	0.00000113
		54	5270	5,269.99346	0.00000124
		62	5310	5,309.99332	0.00000126
		102	5510	5,509.99316	0.00000124
		110	5550	5,549.99341	0.00000119
		134	5670	5,669.99321	0.00000120
		151	5755	5,754.99284	0.00000124
		159	5795	5,794.99364	0.00000110

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Operation Mode		802.11 ac_VHT80		Test Date	2017.11.01
Temperature		:25		Test By	Henry
Humidity		:63 %			
Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-20	13.11V	42	5210	5,209.99328	0.00000129
		58	5290	5,289.99386	0.00000116
		106	5530	5,529.99354	0.00000117
		122	5610	5,609.99373	0.00000112
		155	5775	5,774.99371	0.00000109
	10.26V	42	5210	5,209.99413	0.00000113
		58	5290	5,289.99375	0.00000118
		106	5530	5,529.99350	0.00000118
		122	5610	5,609.99354	0.00000115
		155	5775	5,774.99372	0.00000109
25	11.4V	42	5210	5,209.99385	0.00000118
		58	5290	5,289.99365	0.00000120
		106	5530	5,529.99303	0.00000126
		122	5610	5,609.99339	0.00000118
		155	5775	5,774.99366	0.00000110
55	13.11V	42	5210	5,209.99353	0.00000124
		58	5290	5,289.99328	0.00000127
		106	5530	5,529.99367	0.00000114
		122	5610	5,609.99348	0.00000116
		155	5775	5,774.99309	0.00000120
	10.26V	42	5210	5,209.99350	0.00000125
		58	5290	5,289.99392	0.00000115
		106	5530	5,529.99292	0.00000128
		122	5610	5,609.99311	0.00000123
		155	5775	5,774.99338	0.00000115

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## 14 ANTENNA REQUIREMENT

### 14.1 Standard Applicable

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

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

### 14.2 Antenna Connected Construction

PCB antenna designs are used.

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

The antenna gain is less than 6dBi. Therefore, it is not necessary to reduce maximum output power limit.

*~ End of Report ~*

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