

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

Maximum declared antenna gain: -2.8 dBi

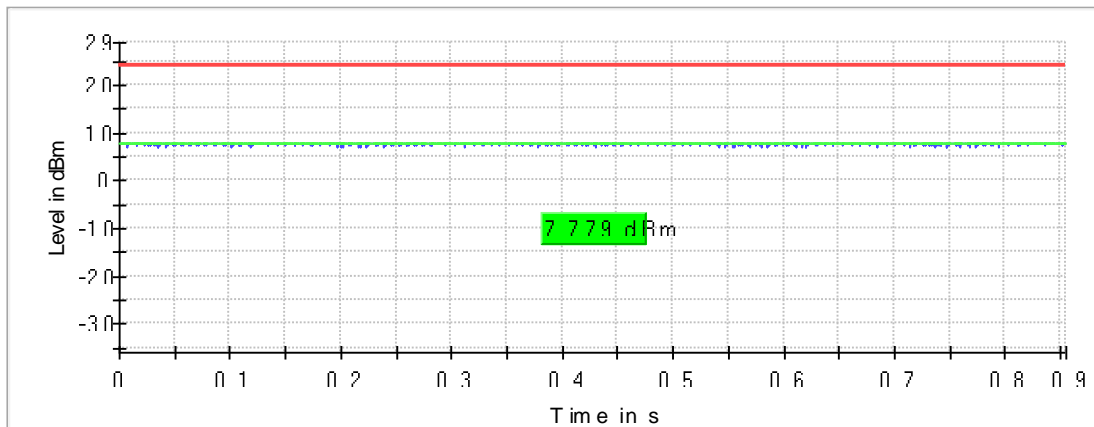
Directional Gain: +3.0 dBi

	Lowest frequency 5210 MHz
Maximum conducted power (dBm)	7.779
Maximum EIRP power (dBm)	7.979

The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

**Lowest Channel**

Gated Trace



— Gated Trace — Overall — Limit

## TEST B.3: POWER SPECTRAL DENSITY

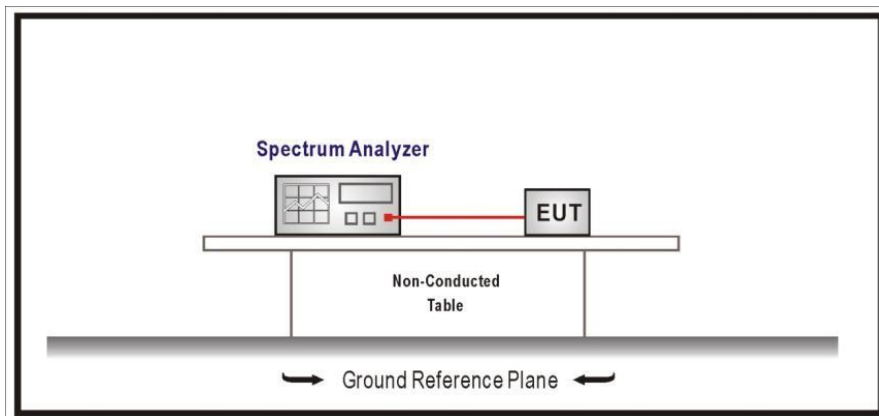
<b>LIMITS:</b>	Product standard:	Part 15 Subpart C §15.407 and RSS-247
	Test standard:	Part 15 Subpart C §15.407(a) (1) (iv) and RSS-247 6.2.1.1

**LIMITS**

In band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. 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.

### TEST SETUP

For all modes, the maximum power spectral density level in the fundamental emission was measured using the method according to point F) (Method SA-1) of Guidance 789033 D02 General UNII Test Procedures New Rules v01.



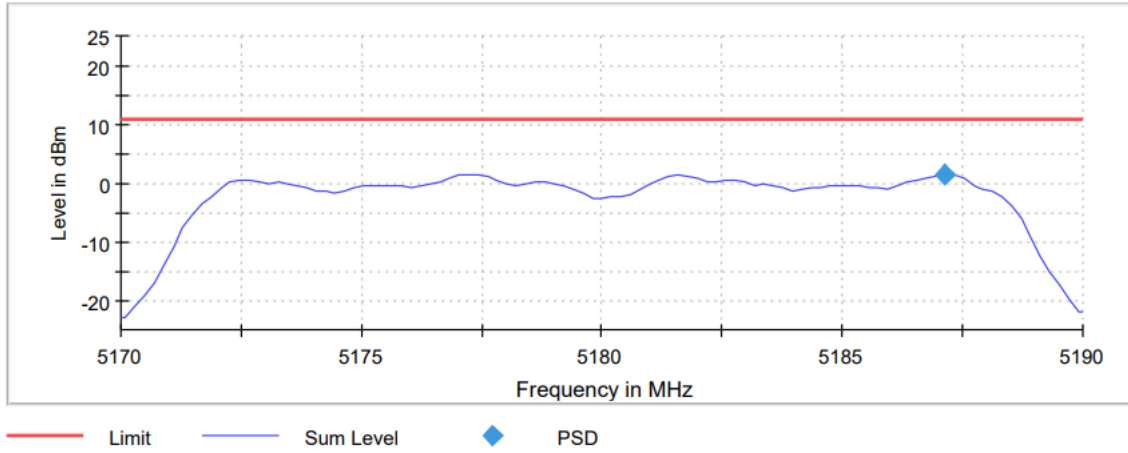
<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01 (a mode SISO Radio A))
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

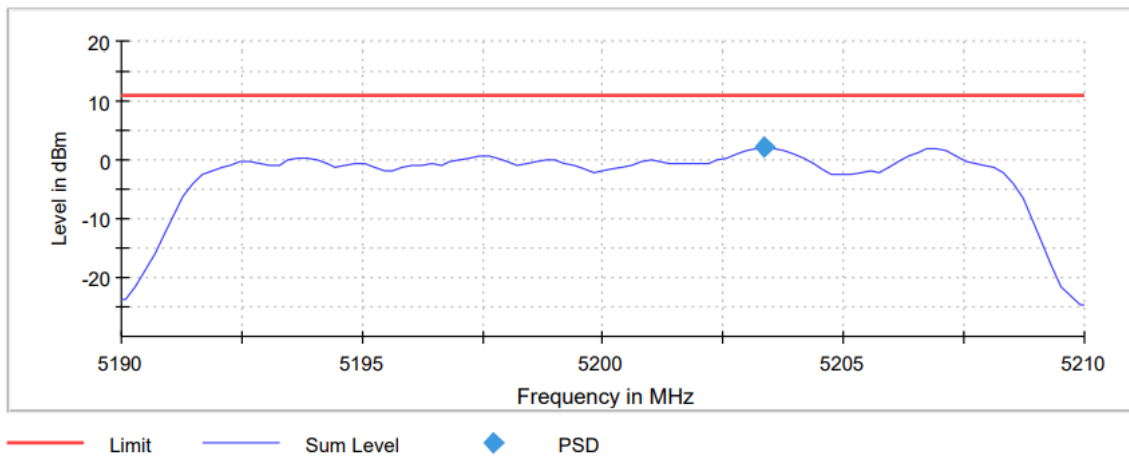
	Lowest frequency	Middle frequency	Highest frequency
	5180 MHz	5200 MHz	5240 MHz
Power spectral density (dBm)	1.633	2.080	1.631

**TEST RESULTS (Cont.):**

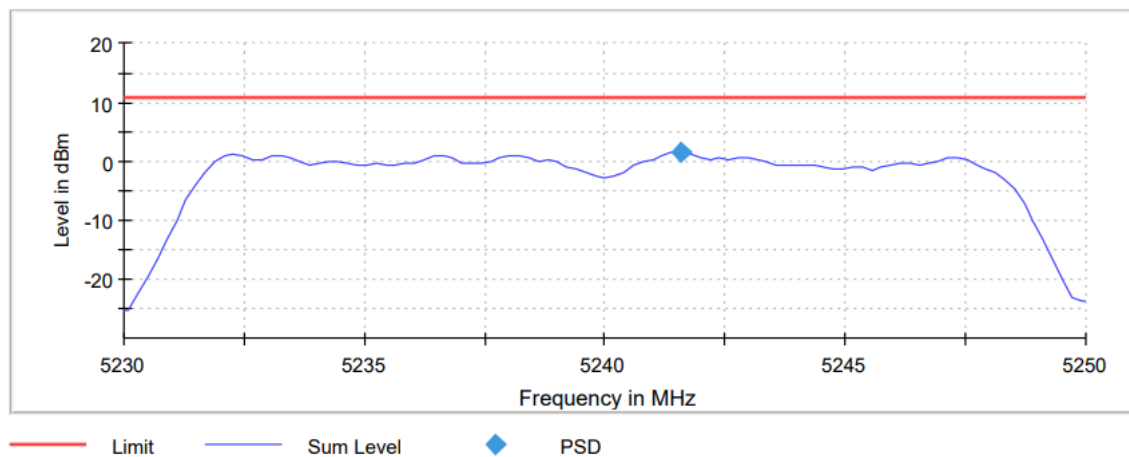
**Low Channel**



**Middle Channel**



**High Channel**



**TEST RESULTS (Cont.):**

**Measurement**

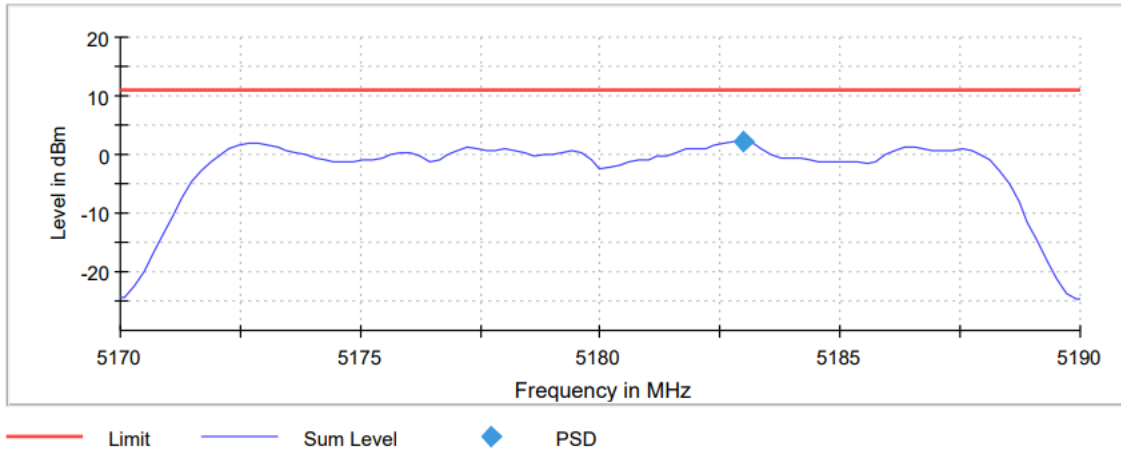
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	15 / max. 15	15 / max. 15	15 / max. 15
Stable	1 / 3	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01 (a mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

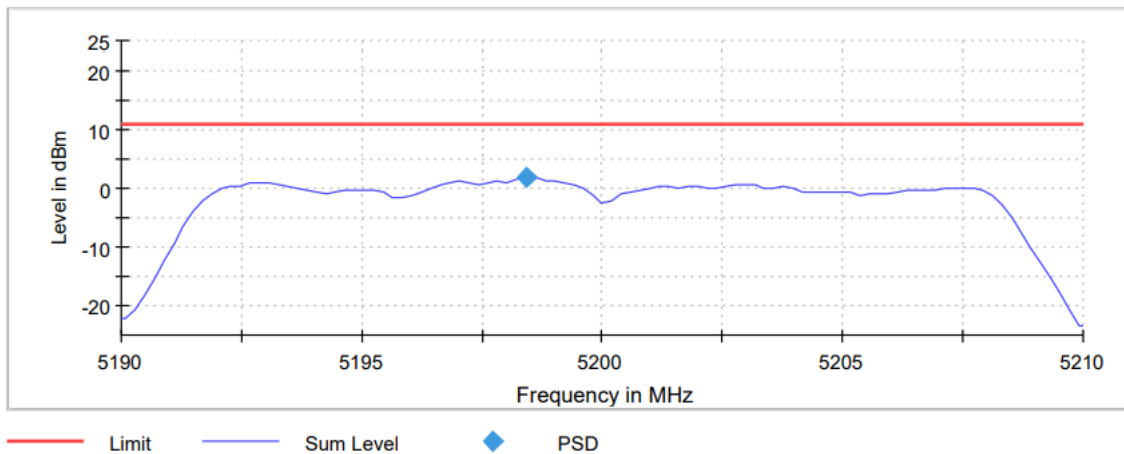
**Bandwidth: 20 MHz**

	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	2.103	1.860	1.530

**Lowest Channel**

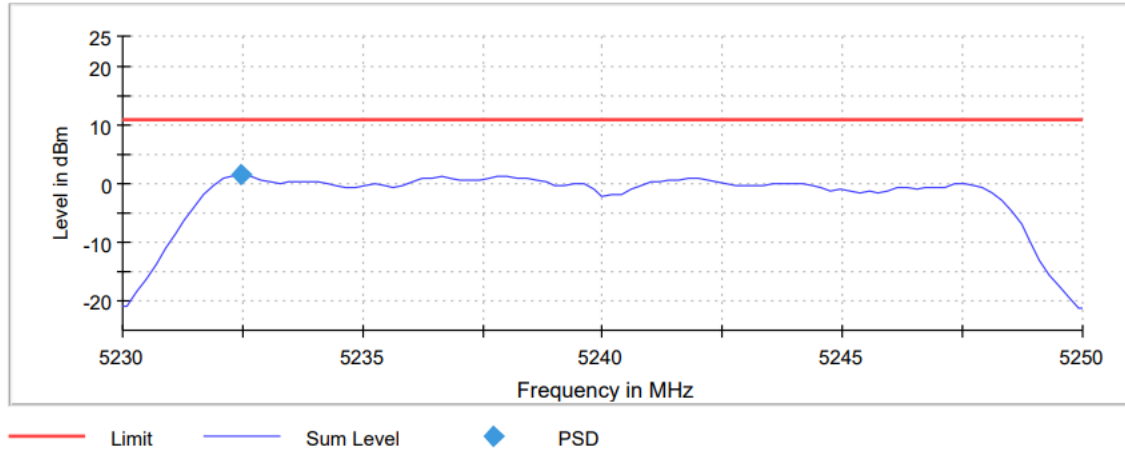


**Middle Channel**



**TEST RESULTS (Cont.)**

**Highest Channel**



**Measurement**

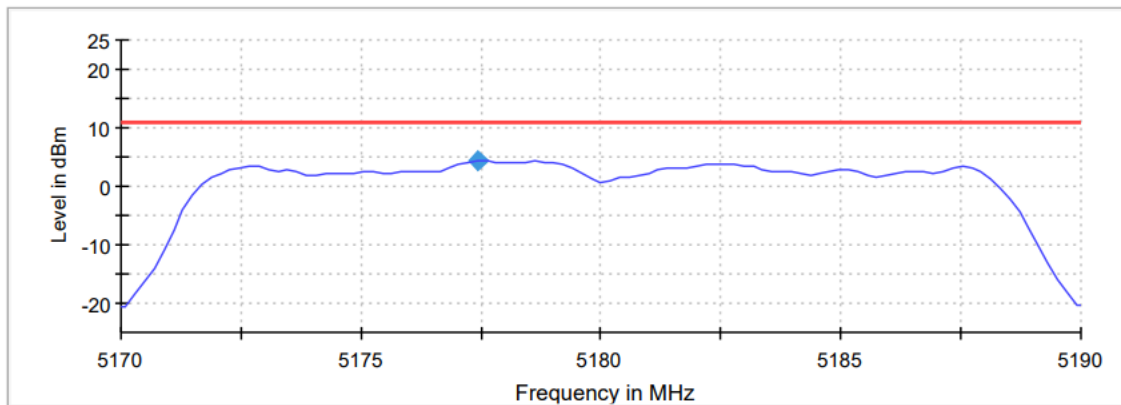
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	14 / max. 15	15 / max. 15	13 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01 (a mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

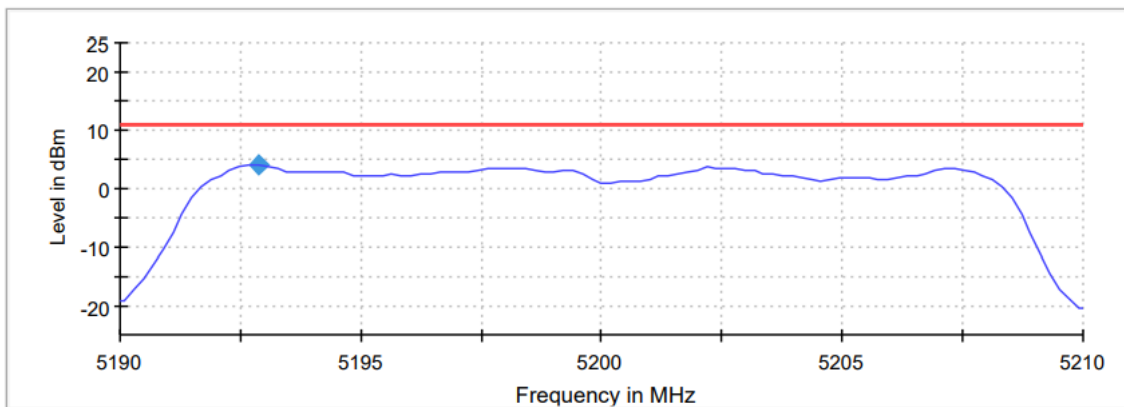
	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	4.333	4.039	4.921

**Lowest Channel**



— Limit    ◆ PSD    — Sum Level

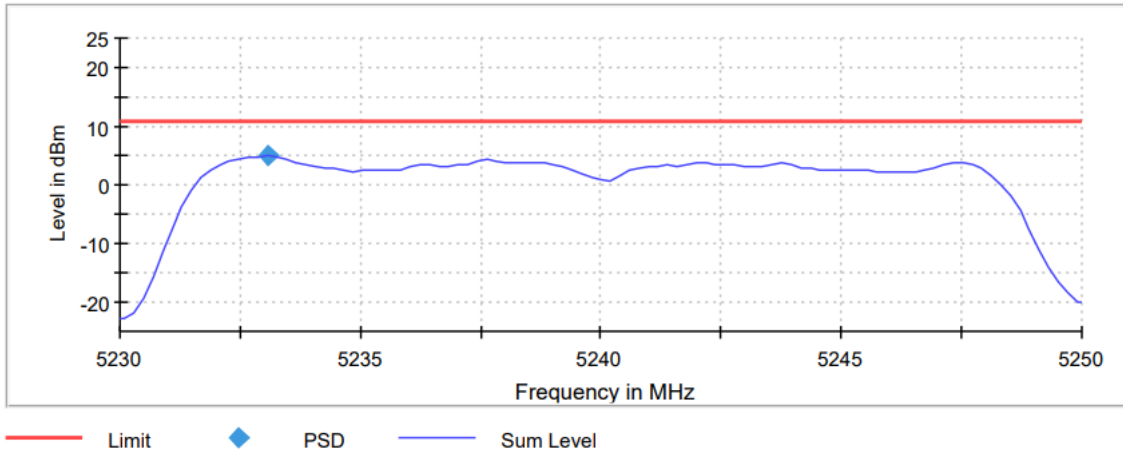
**Middle Channel**



— Limit    ◆ PSD    — Sum Level

**TEST RESULTS (Cont.)**

**Highest Channel**



**Measurement**

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	13 / max. 15	15 / max. 15	13 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

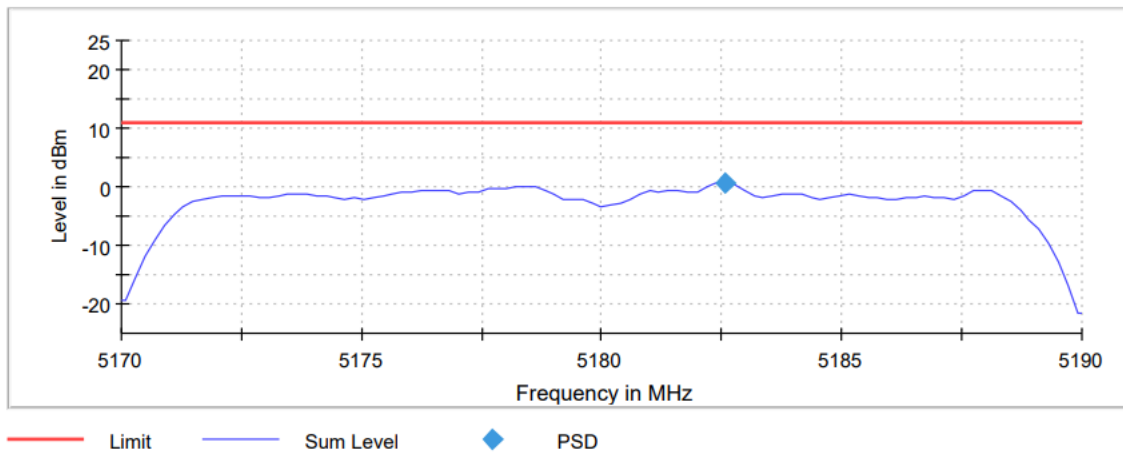


<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

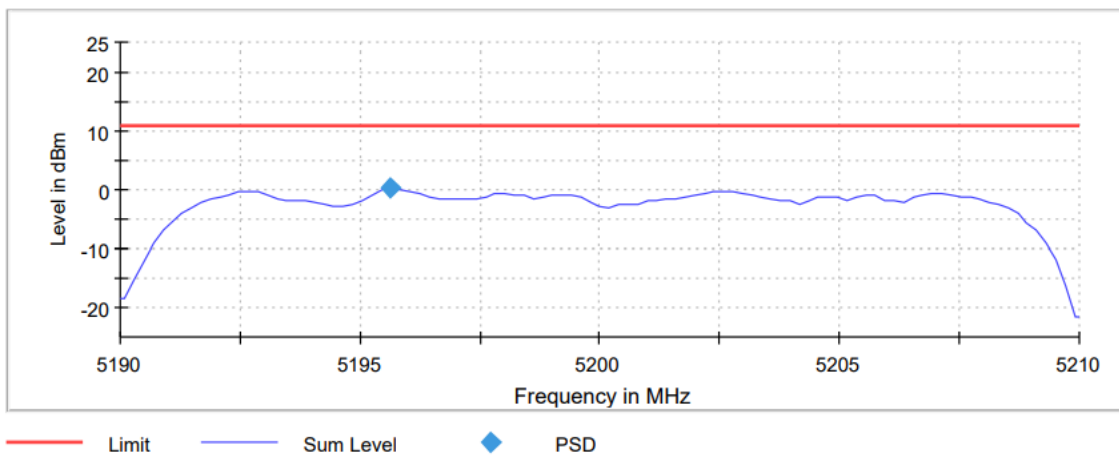
**Bandwidth: 20 MHz**

	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	0.718	0.164	0.800

**Lowest Channel**

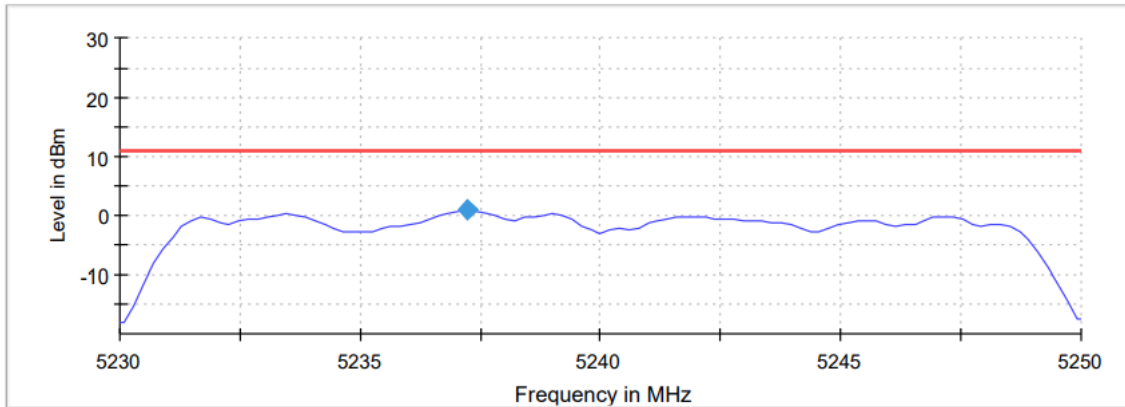


**Middle Channel**



**TEST RESULTS (Cont.)**

**Highest Channel**



— Limit      — Sum Level      ◆ PSD

**Measurement**

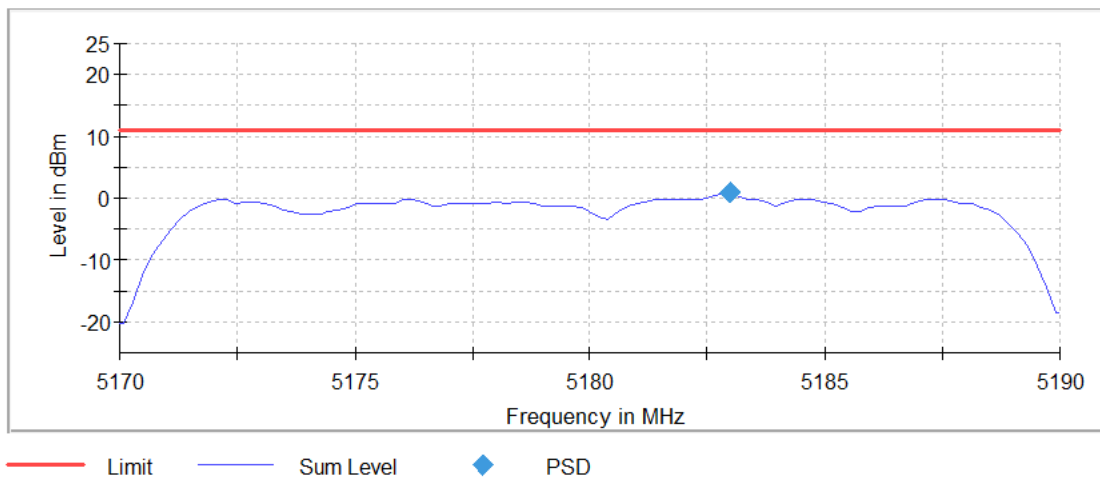
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	13 / max. 15	15 / max. 15	15 / max. 15
Stable	3 / 3	2 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

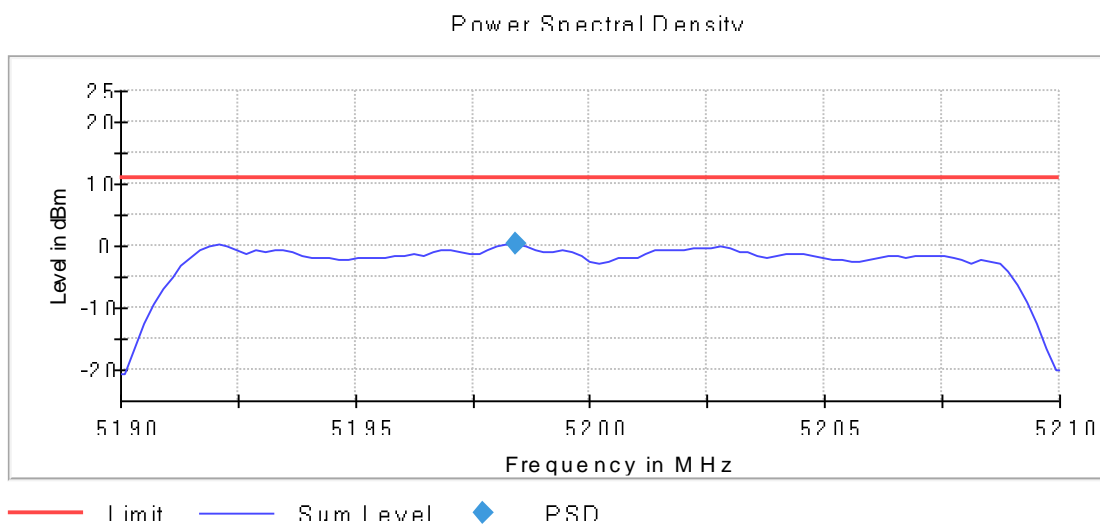
**Bandwidth: 20 MHz**

	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	0.813	0.418	0.449

**Lowest Channel**



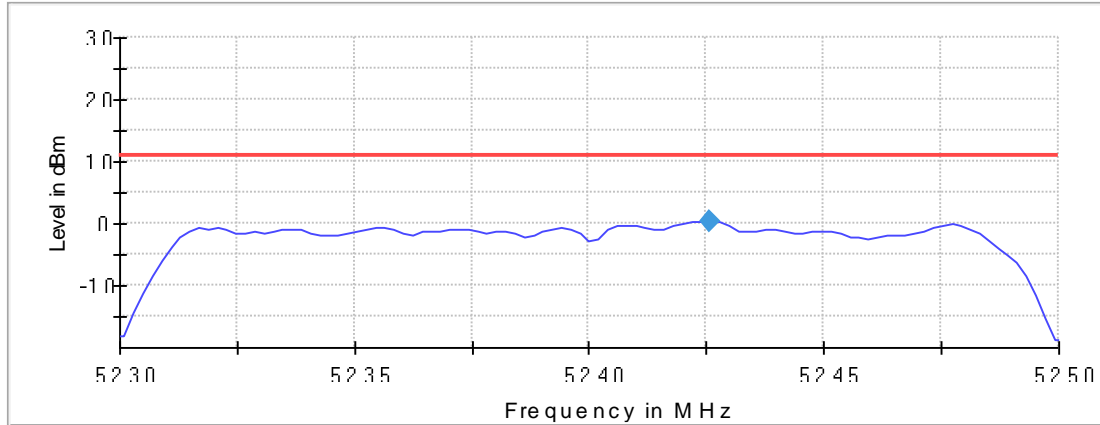
**Middle Channel**



**TEST RESULTS (Cont.)**

**Highest Channel**

Power Spectral Density



— Limit — Sum Level ◆ PSD

**Measurement**

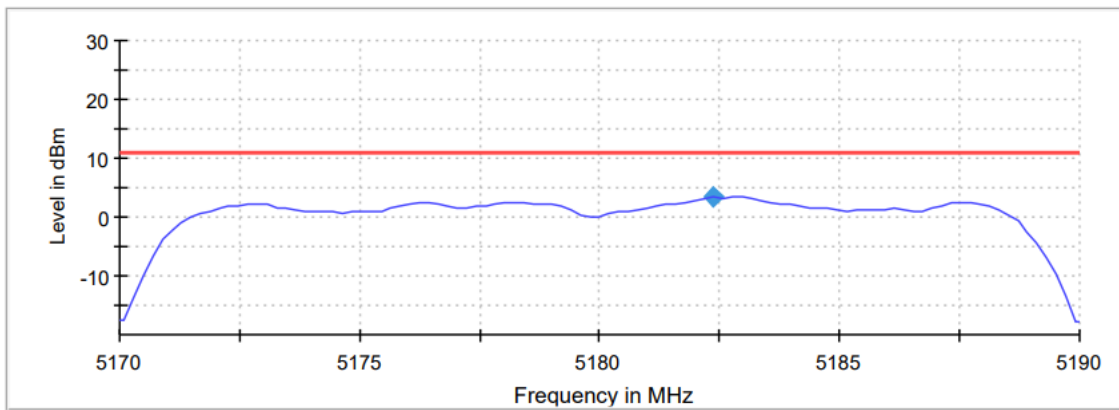
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	15 / max. 15	14 / max. 15	15 / max. 15
Stable	3 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

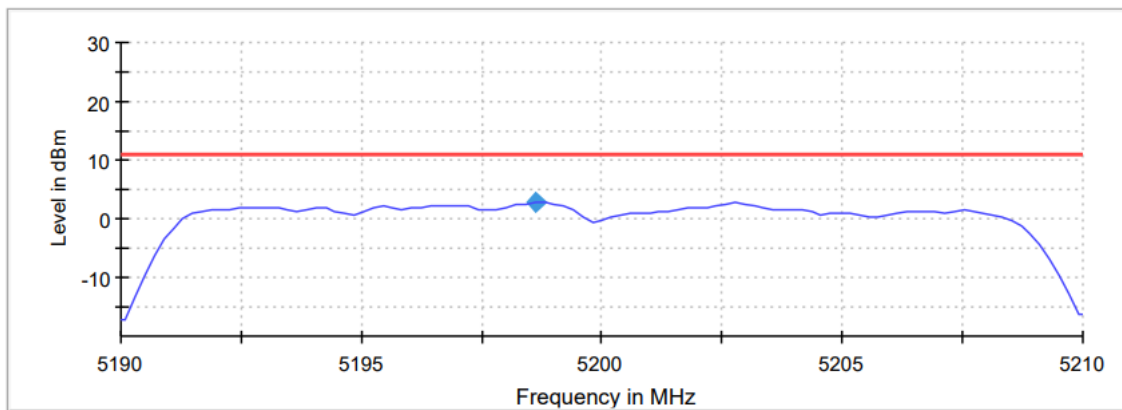
	Lowest frequency	Middle frequency	Highest frequency
	5180 MHz	5200 MHz	5240 MHz
Power spectral density (dBm)	3.443	2.751	3.610

**Lowest Channel**



— Limit    ◆ PSD    — Sum Level

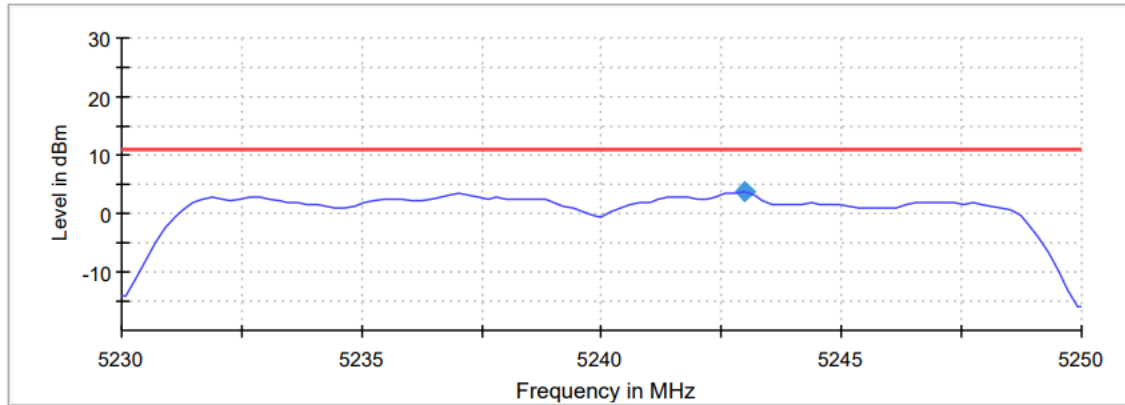
**Middle Channel**



— Limit    ◆ PSD    — Sum Level

**TEST RESULTS (Cont.)**

**Highest Channel**



— Limit    ◆ PSD    — Sum Level

**Measurement**

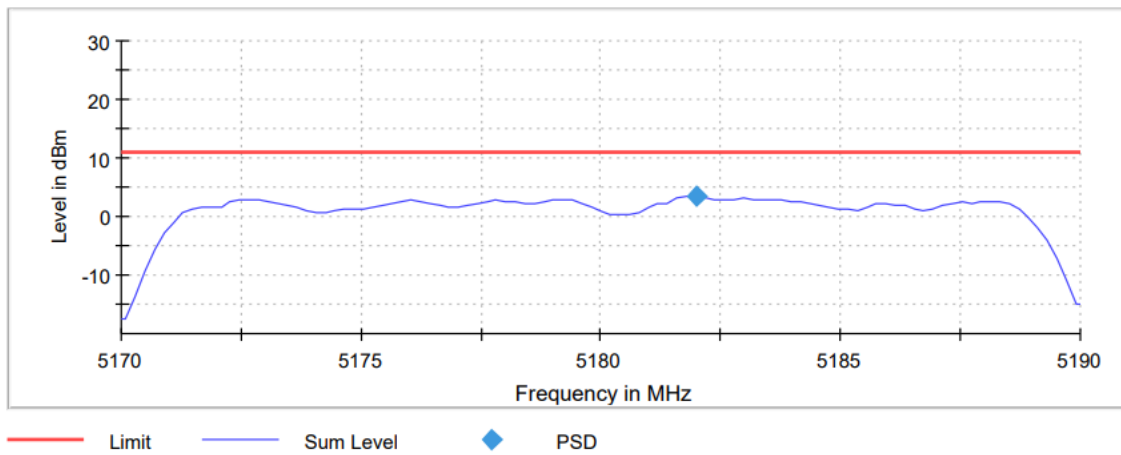
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	10.000 dBm	0.000 dBm	10.000 dBm
Attenuation	30.000 dB	20.000 dB	30.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	12 / max. 15	15 / max. 15	15 / max. 15
Stable	3 / 3	2 / 3	3 / 3
Max Stable Difference	0.07 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

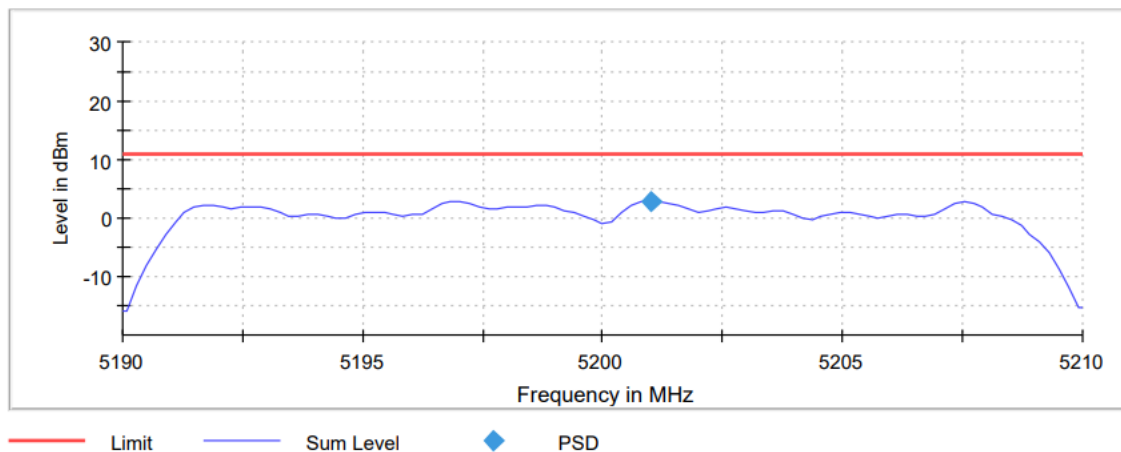
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	3.466	2.896

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	14 / max. 15	14 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00dB

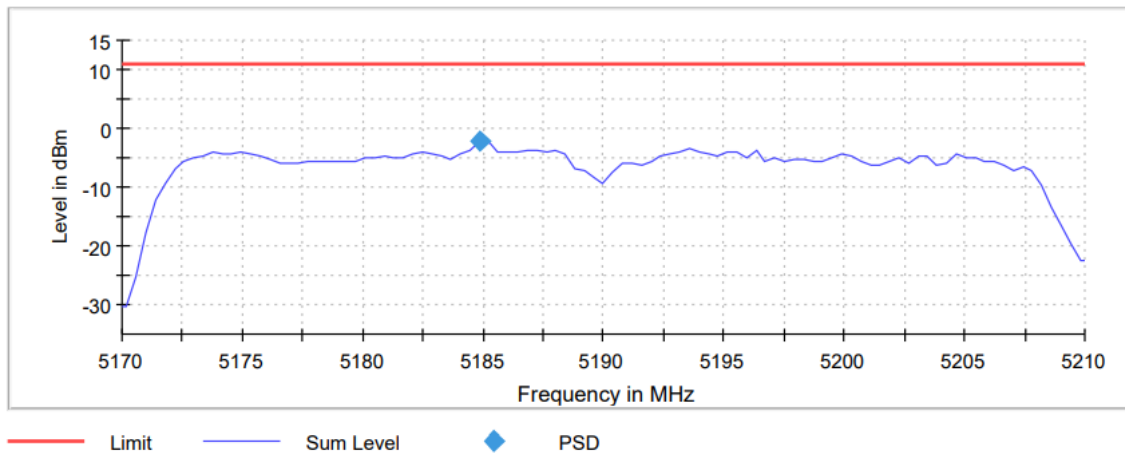


<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

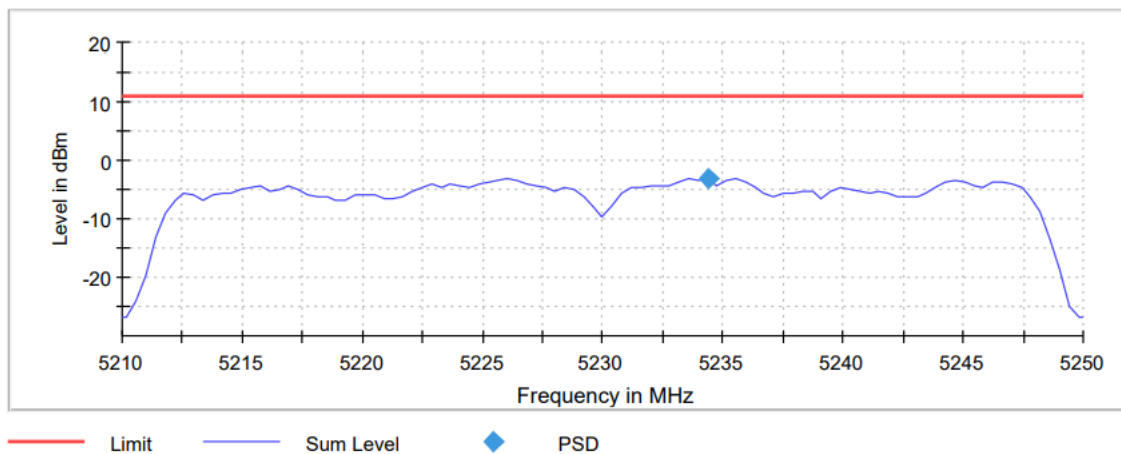
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	-2.169	-3.089

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

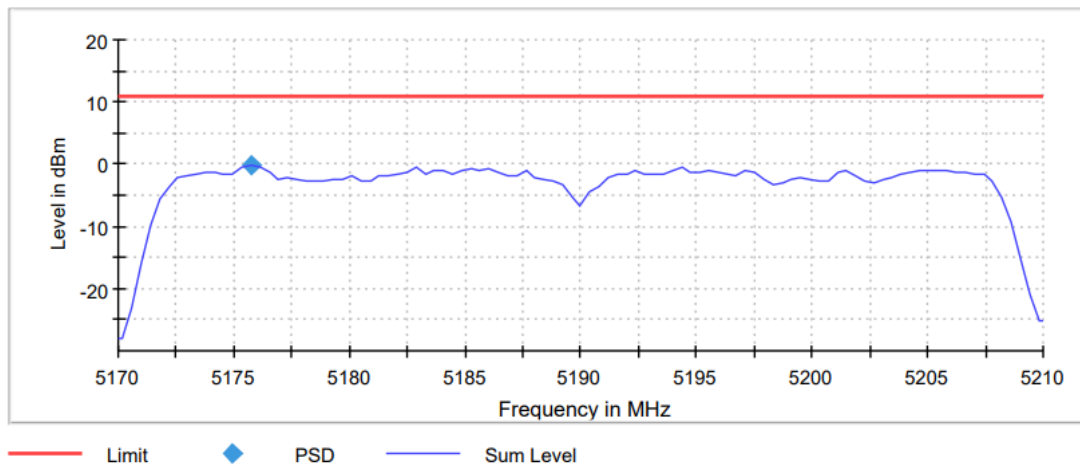
Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	15 / max. 15	15 / max. 15
Stable	3 / 3	0 / 3
Max Stable Difference	0.00 dB	2.22 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

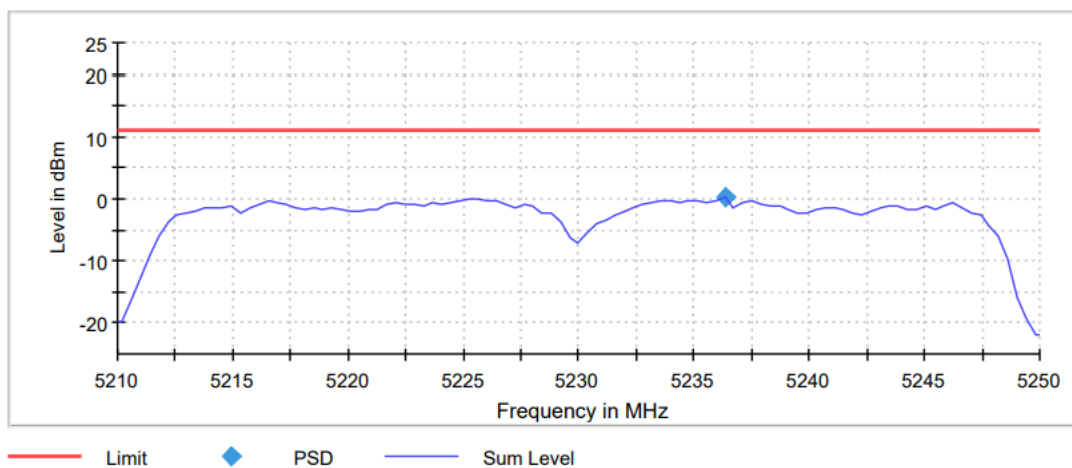
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	-0.125	0.365

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

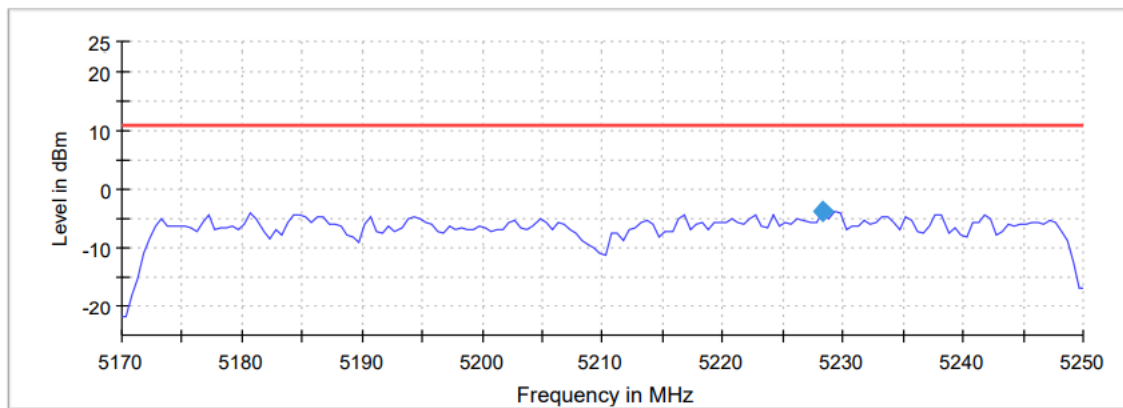
Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	15 / max. 15	15 / max. 15
Stable	2 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-3.648

**Lowest Channel**



— Limit    — Sum Level    ◆ PSD

**TEST RESULTS (Cont.)**

**Measurement**

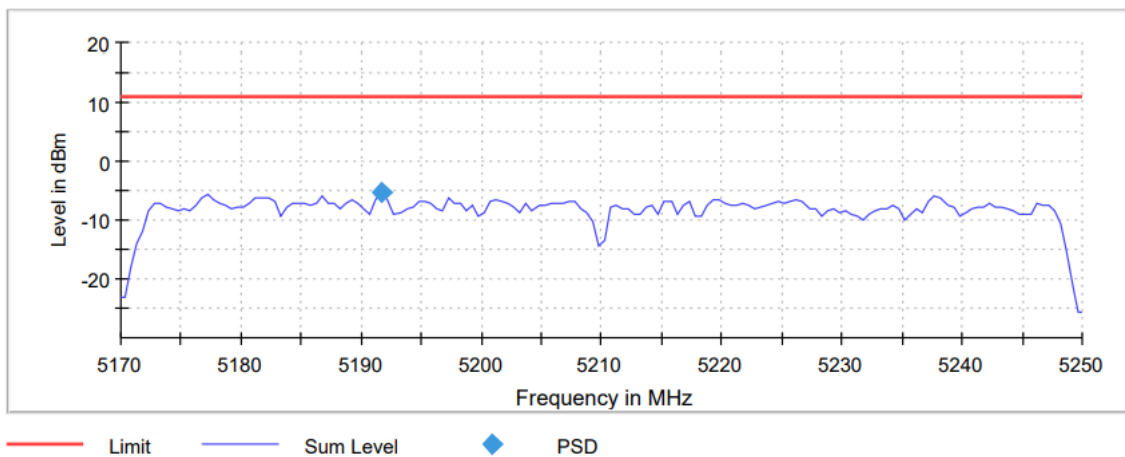
Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	2 / 3
Max Stable Difference	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-5.417

**Lowest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	3 / 3
Max Stable Difference	3.44 dB

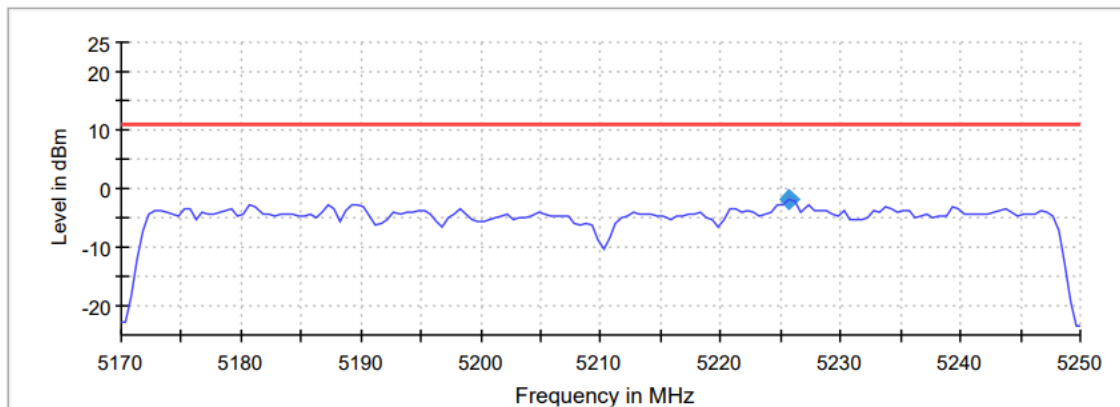


<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-1.917

**Lowest Channel**



— Limit    ◆ PSD    — Sum Level

**TEST RESULTS (Cont.)**

**Measurement**

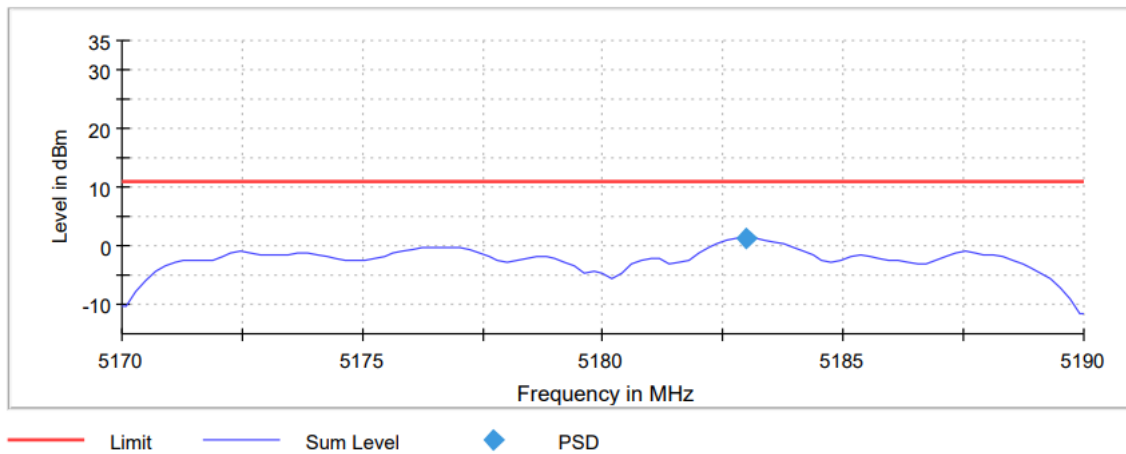
Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	13 / max. 15
Stable	3 / 3
Max Stable Difference	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

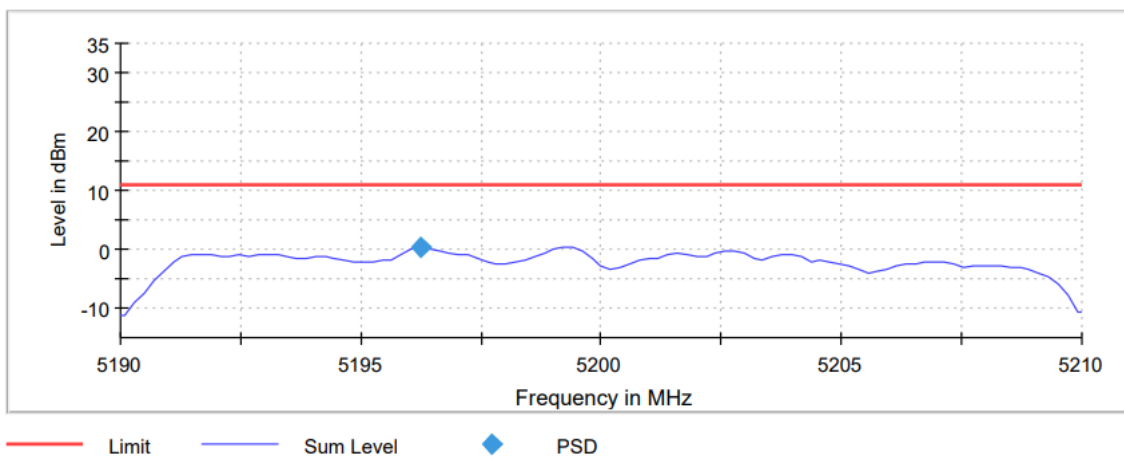
**Bandwidth: 20 MHz**

	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	1.201	0.256	0.508

**Lowest Channel**

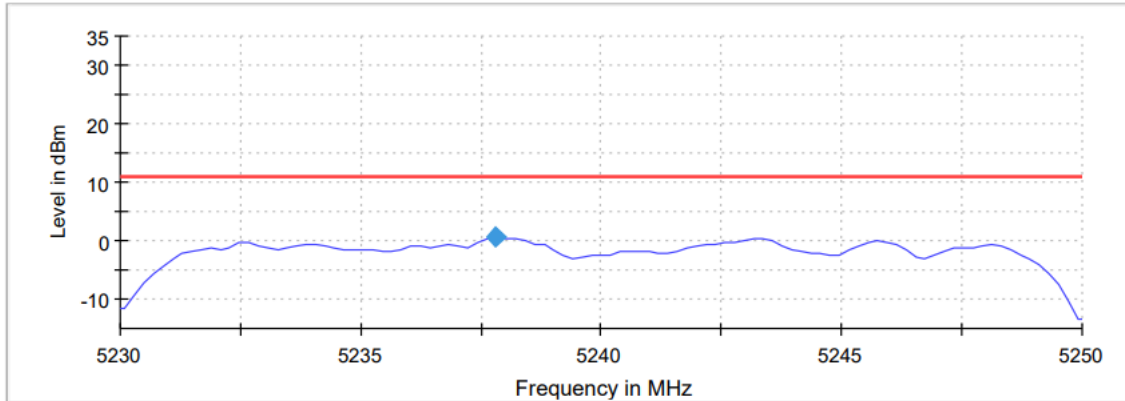


**Middle Channel**



**TEST RESULTS (Cont.)**

**Highest Channel**



— Limit      — Sum Level      ◆ PSD

**Measurement**

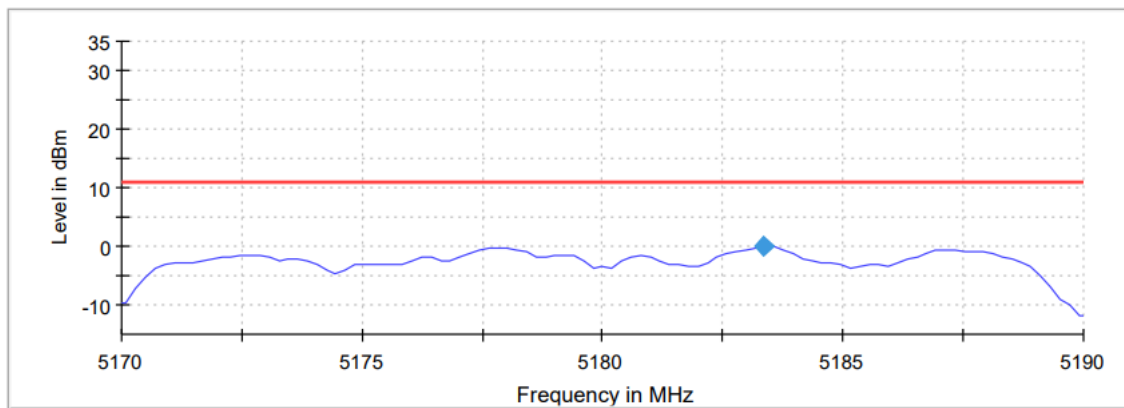
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	6 / max. 15	8 / max. 15	6 / max. 15
Stable	1 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

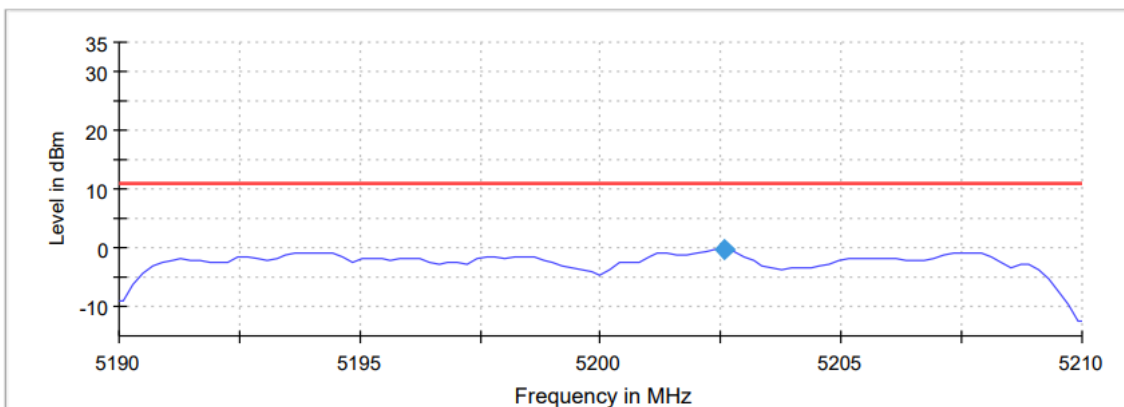
	Lowest frequency	Middle frequency	Highest frequency
	5180 MHz	5200 MHz	5240 MHz
Power spectral density (dBm)	-0.049	-0.330	1.067

**Lowest Channel**



— Limit    — Sum Level    ◆ PSD

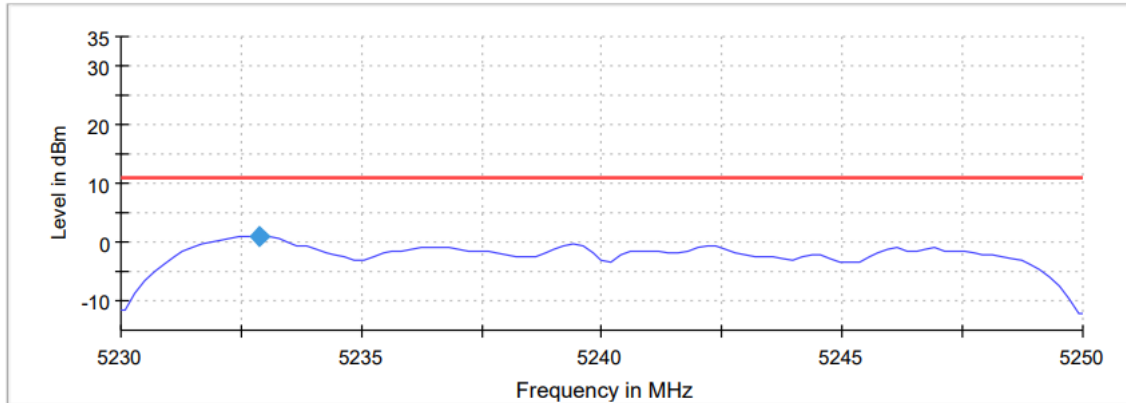
**Middle Channel**



— Limit    — Sum Level    ◆ PSD

**TEST RESULTS (Cont.)**

**Highest Channel**



— Limit    — Sum Level    ◆ PSD

**Measurement**

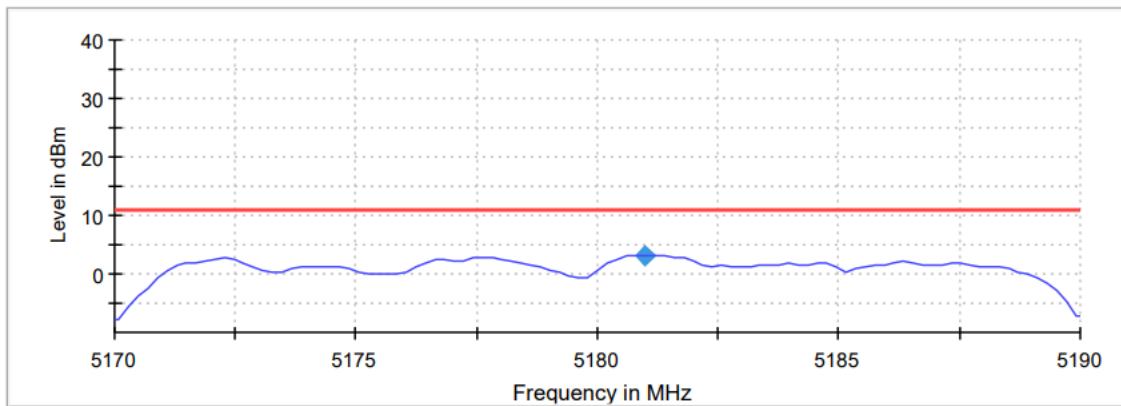
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	8 / max. 15	7 / max. 15
Stable	3 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

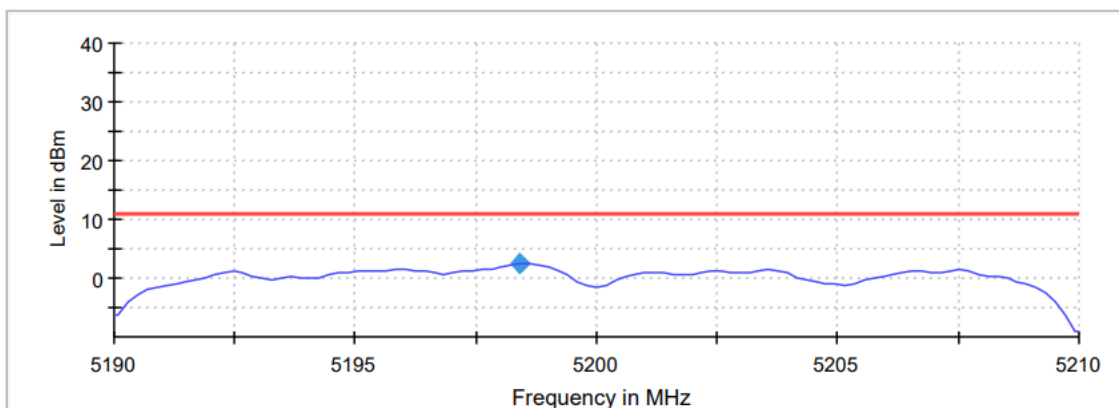
	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	3.274	2.388	3.393

**Lowest Channel**



— Limit    ◆ PSD    — Sum Level

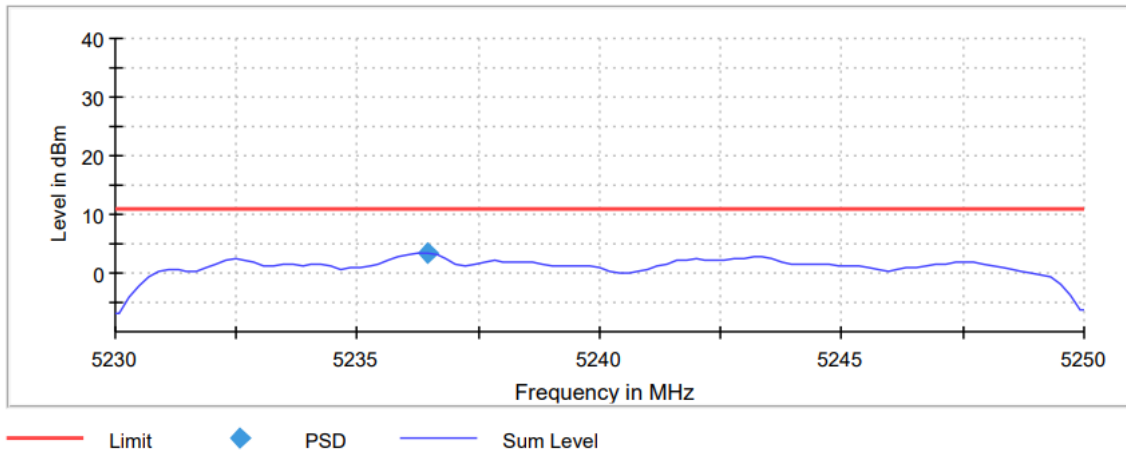
**Middle Channel**



— Limit    ◆ PSD    — Sum Level

**TEST RESULTS (Cont.)**

**Highest Channel**



**Measurement**

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	10.000 dBm	0.000 dBm	10.000 dBm
Attenuation	30.000 dB	20.000 dB	30.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	12 / max. 15	4 / max. 15	6 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

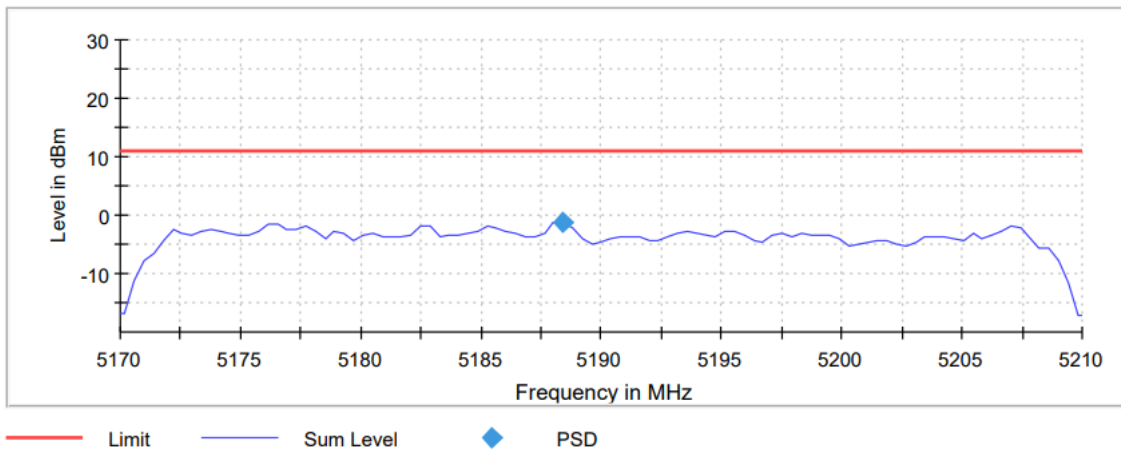


<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

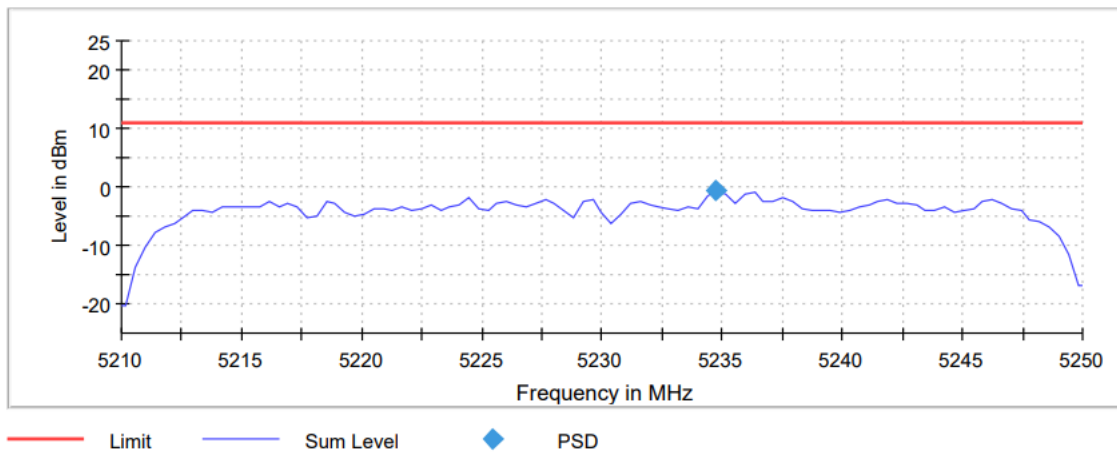
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	-1.111	-0.702

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

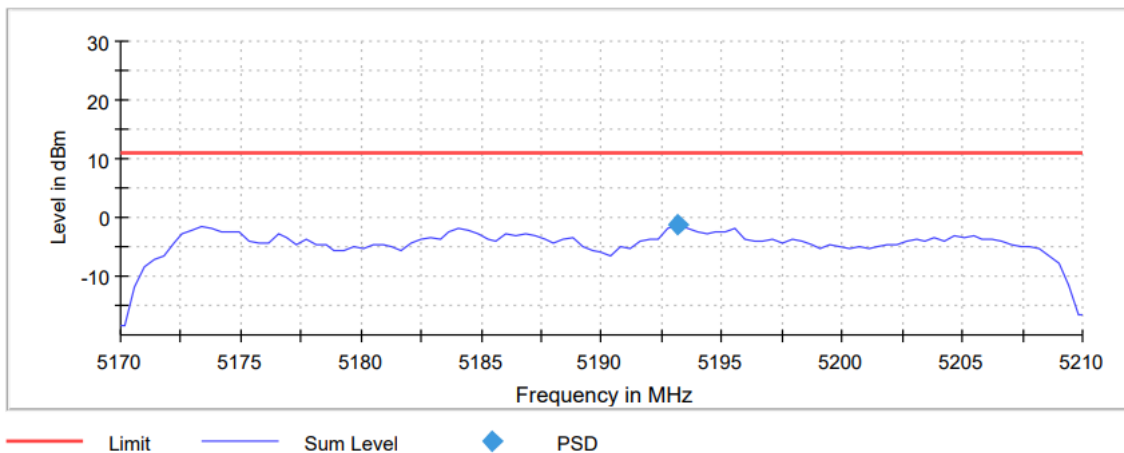
Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	15 / max. 15	15 / max. 15
Stable	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

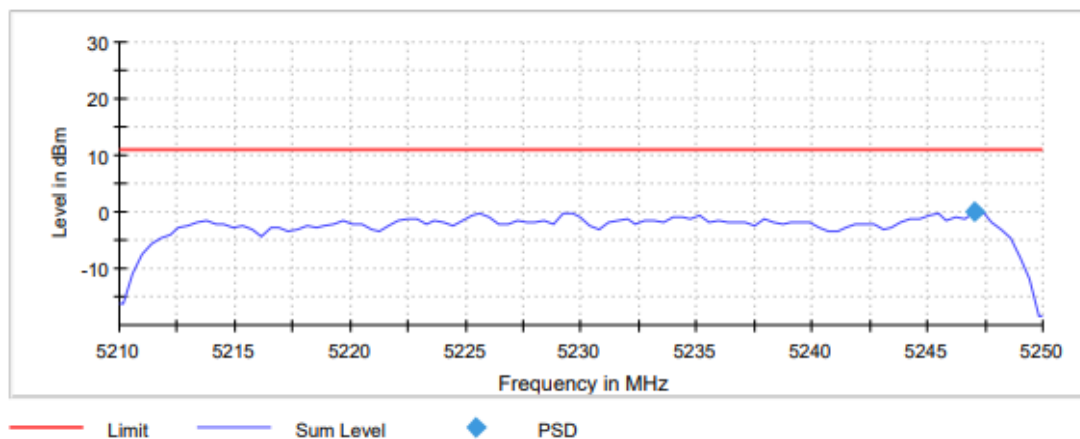
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	-1.363	-0.052

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

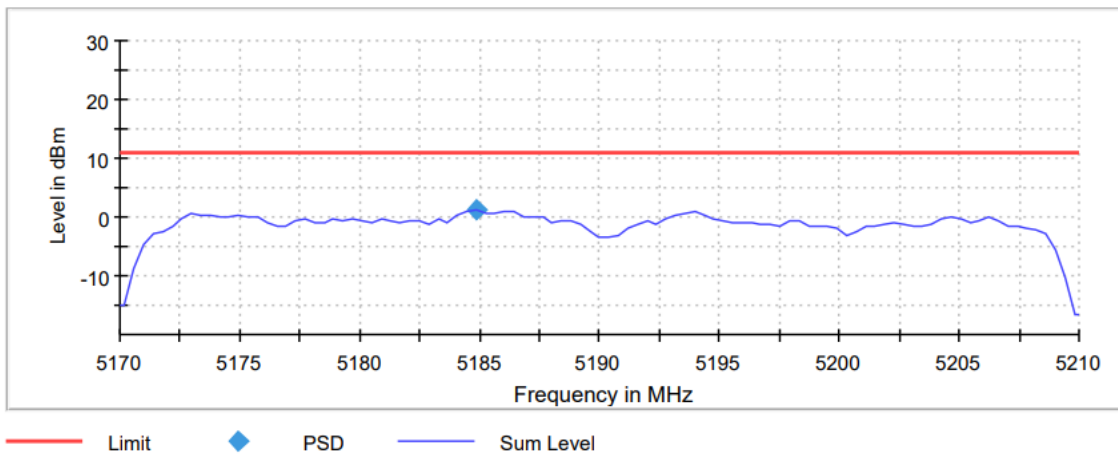
Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	15 / max. 15	15 / max. 15
Stable	1 / 3	1 / 3
Max Stable Difference	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

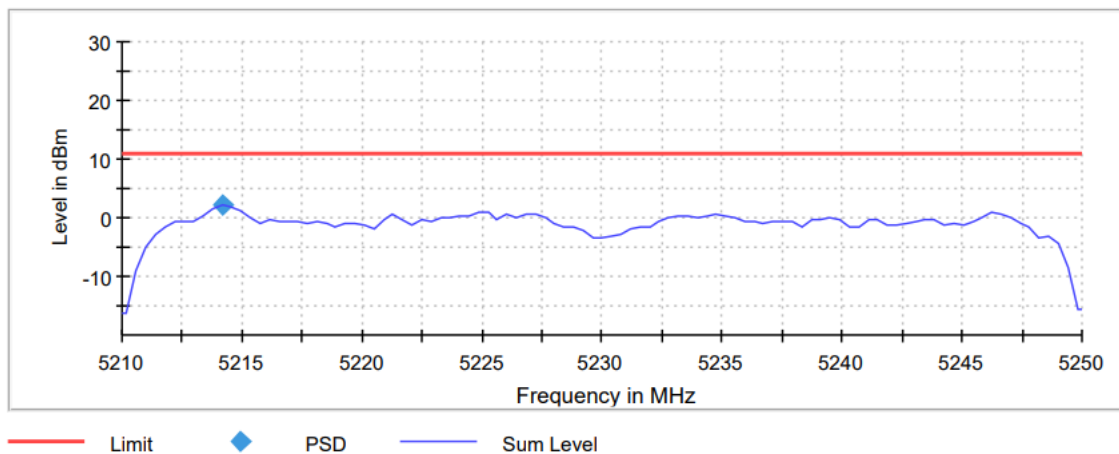
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	1.217	2.127

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

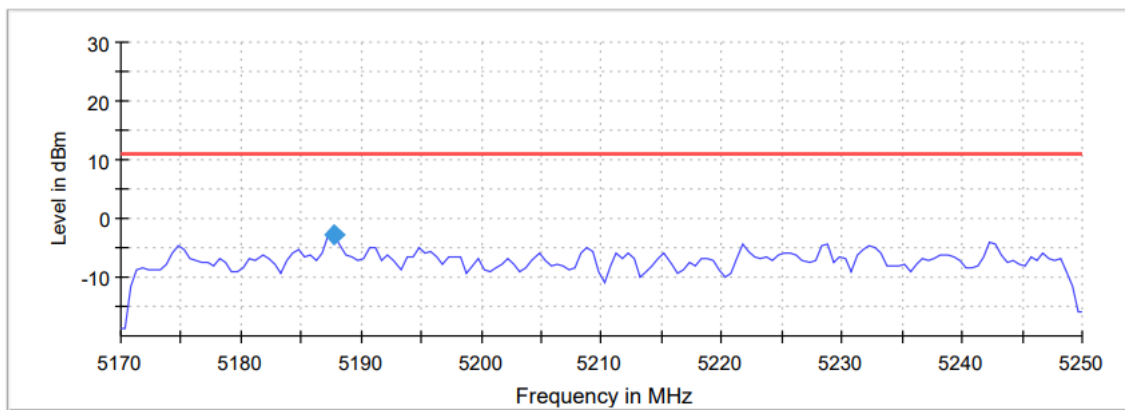
Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	14 / max. 15	15 / max. 15
Stable	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-2.703

**Lowest Channel**



— Limit    — Sum Level    ◆ PSD

**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	2 / 3
Max Stable Difference	0.00 dB

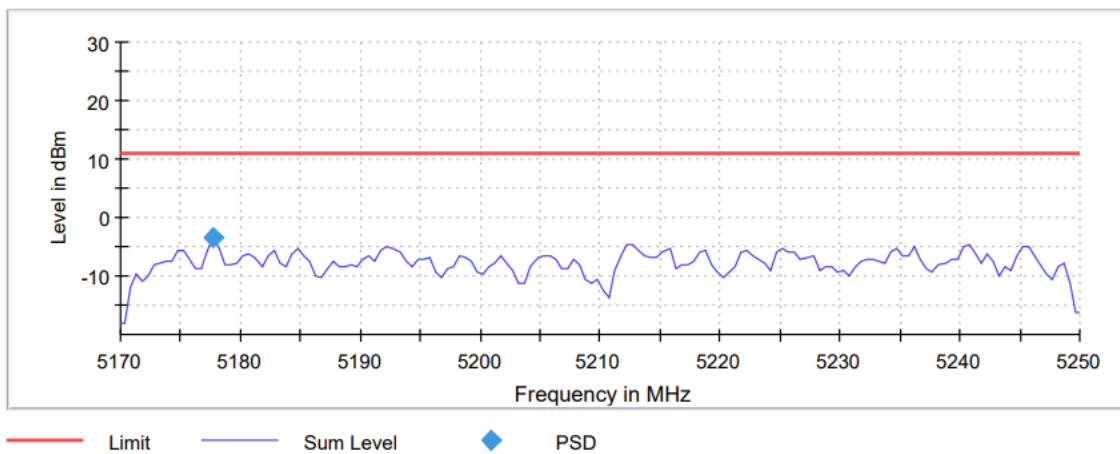


<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-3.366

**Lowest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

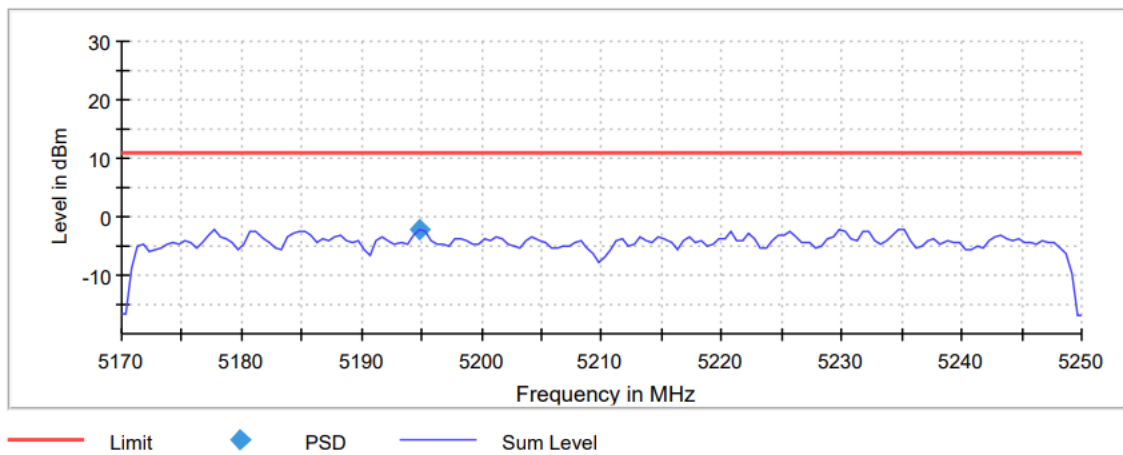
Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	1 / 3
Max Stable Difference	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-2.048

**Lowest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

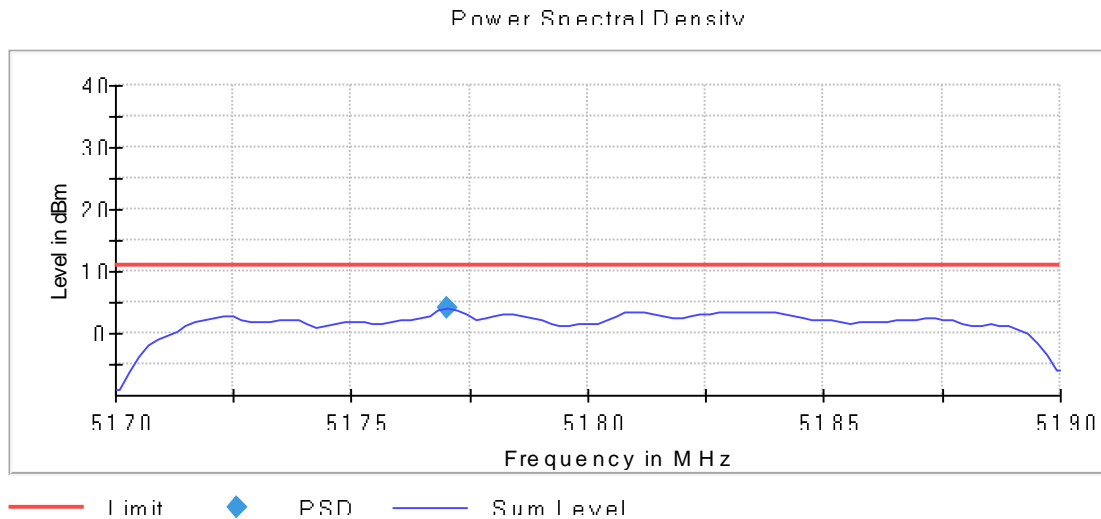
Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	13 / max. 15
Stable	2 / 3
Max Stable Difference	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

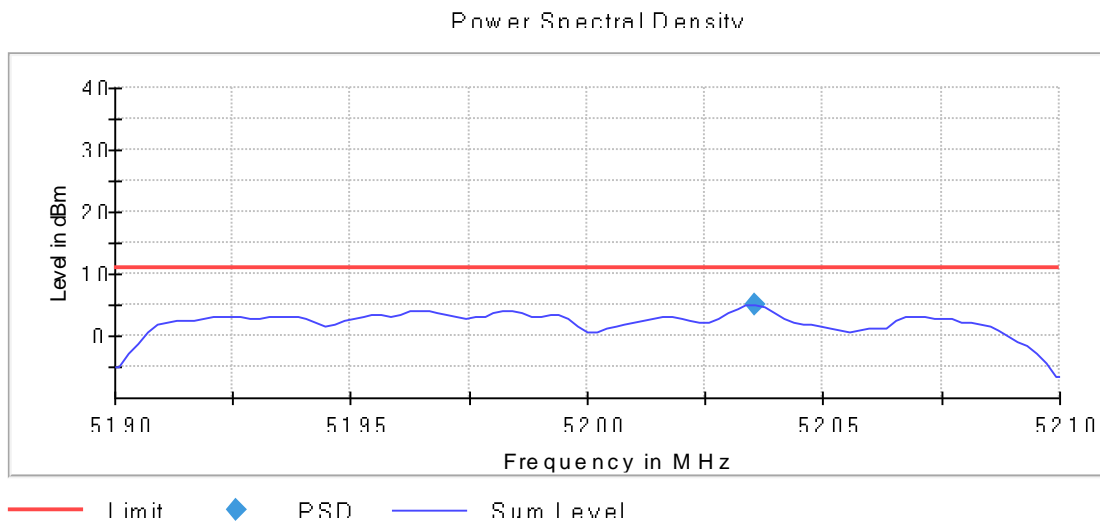
**Bandwidth: 20 MHz**

	Lowest frequency 5180 MHz	Middle frequency 5200 MHz	Highest frequency 5240 MHz
Power spectral density (dBm)	3.991	4.990	-0.516

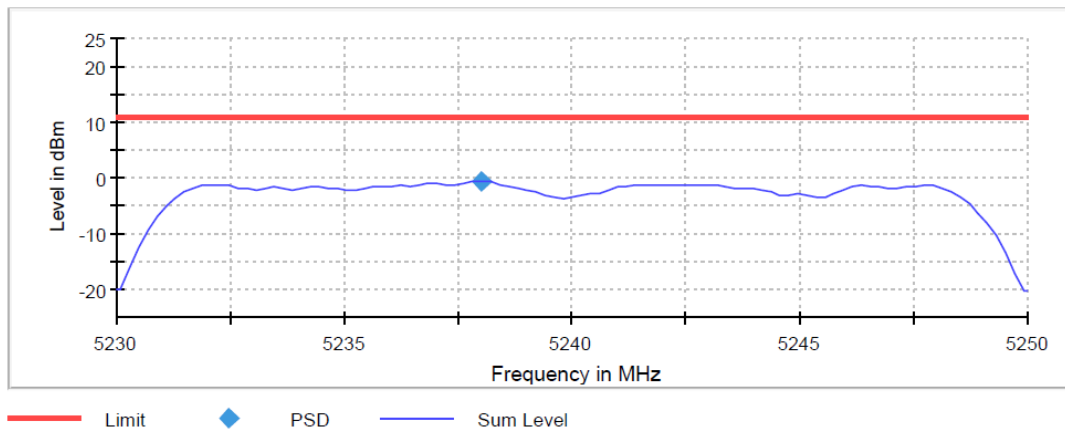
**Lowest Channel**



**Middle Channel**



## Highest Channel



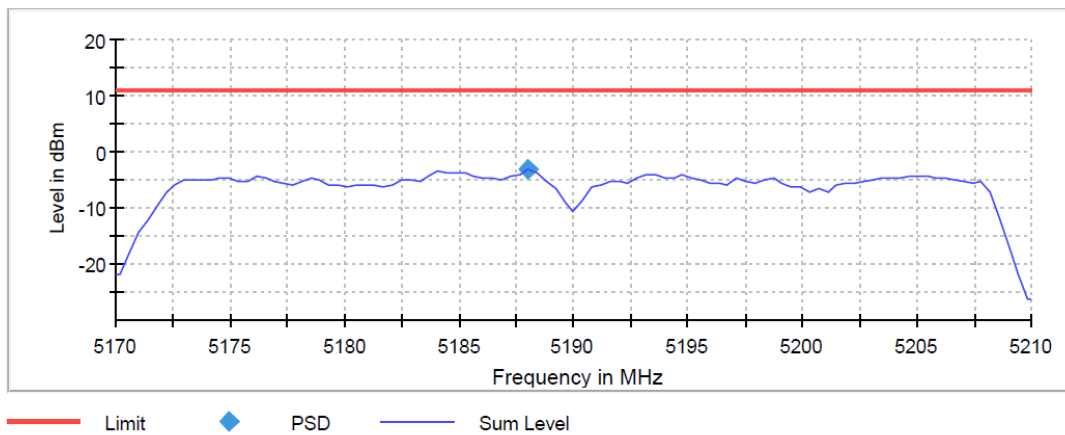
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	6 / max. 15	9 / max. 15	10 / max. 15
Stable	3 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

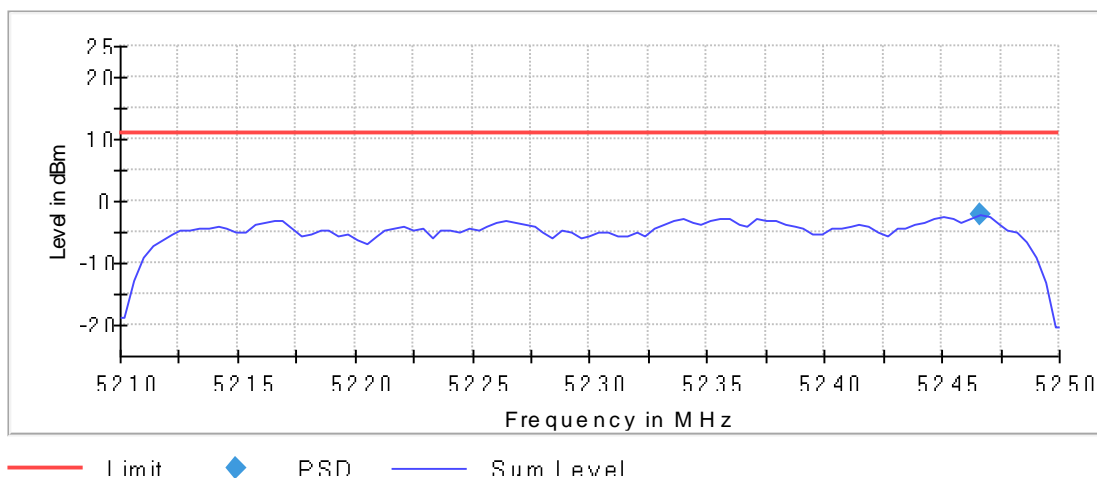
	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	-3.233	-2.234

**Lowest Channel**



**Highest Channel**

Power Spectral Density



**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamplifier	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	6 / max. 15	5 / max. 15
Stable	3 / 3	0 / 3
Max Stable Difference	0.00 dB	0.00 dB



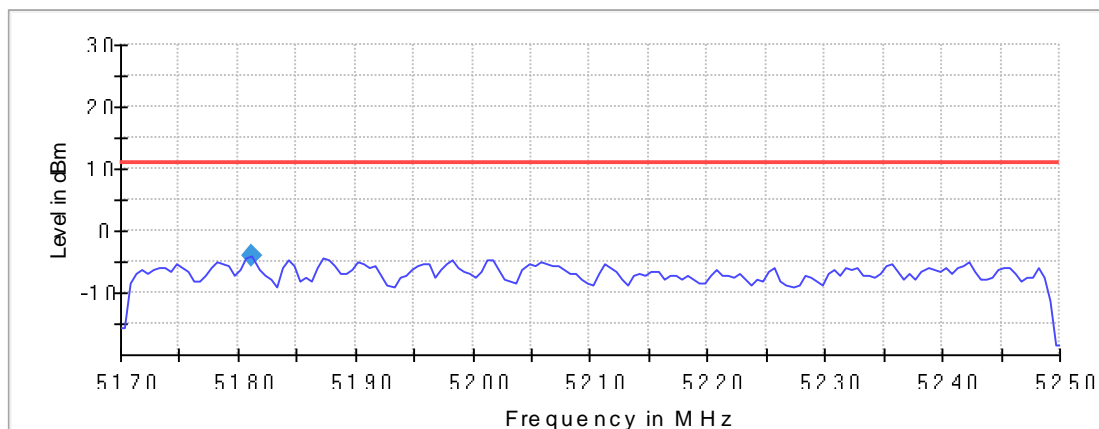
<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-4.148

**Lowest Channel**

Power Spectral Density



— Limit    ◆ PSD    — Sum Level

**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	6 / max. 15
Stable	3 / 3
Max Stable Difference	0.00 dB

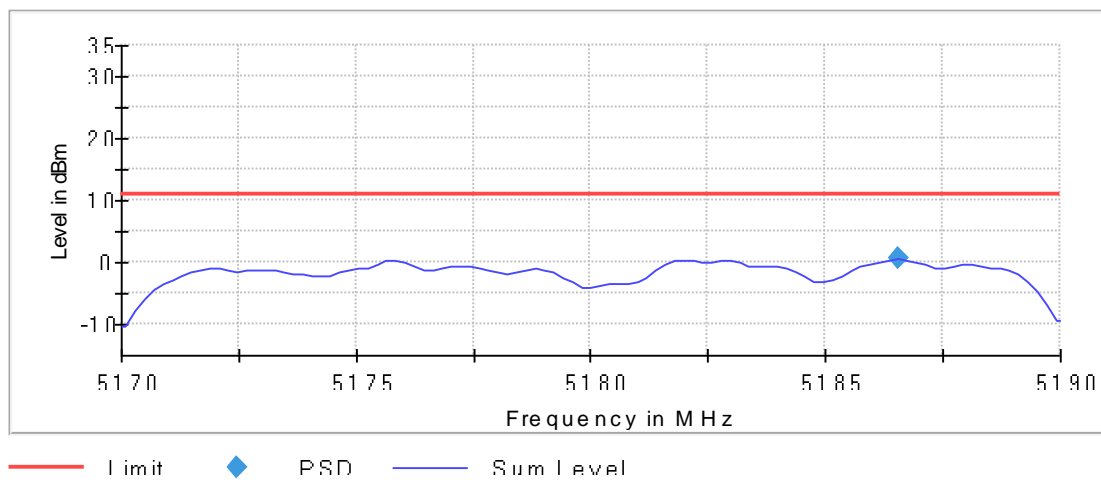
<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

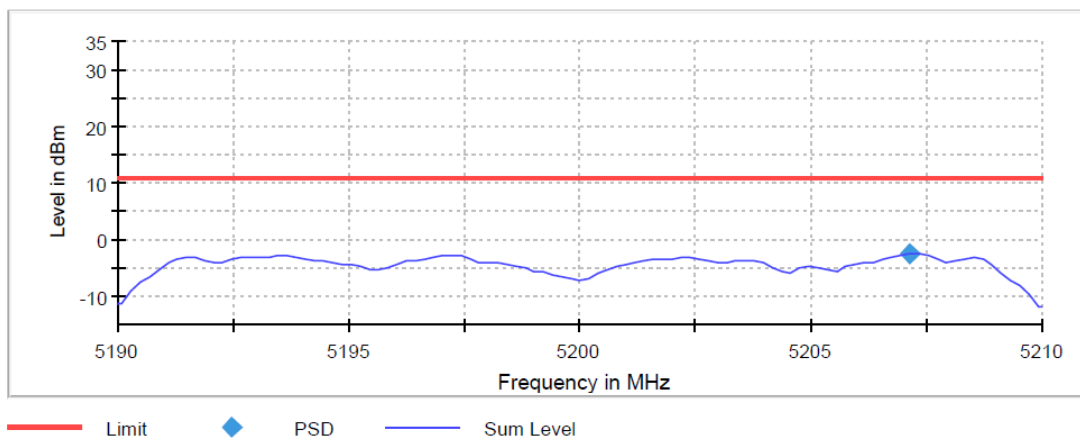
	Lowest frequency	Middle frequency	Highest frequency
	5180 MHz	5200 MHz	5240 MHz
Power spectral density (dBm)	0.494	-2.556	-1.473

**Lowest Channel**

Power Spectral Density

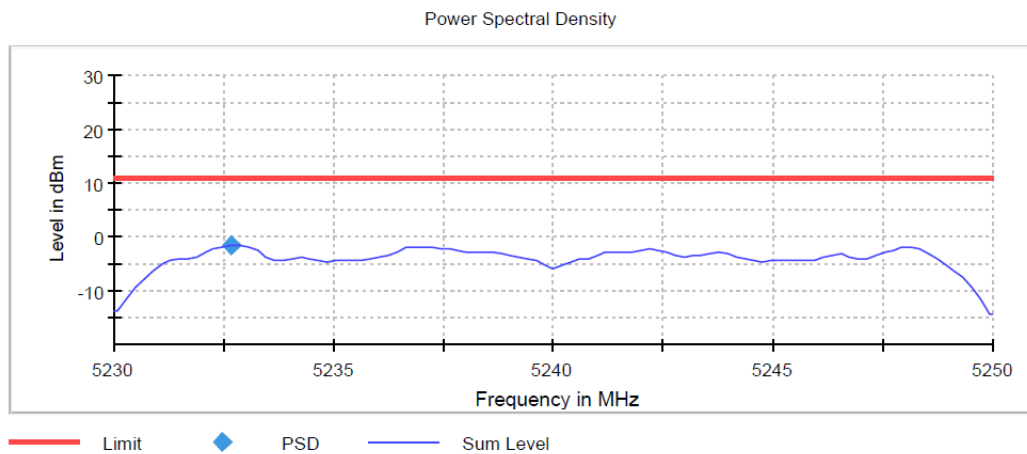


**Middle Channel**



**TEST RESULTS (Cont.)**

**Highest Channel**



**Measurement**

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.19000 GHz	5.23000 GHz
Stop Frequency	5.19000 GHz	5.21000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
Sweep Count	0	0	0
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep type	FFT	FFT	FFT
Preamp	off	off	off
Stable mode	Trace	Trace	Trace
Stable value	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

**TESTED SAMPLES:**

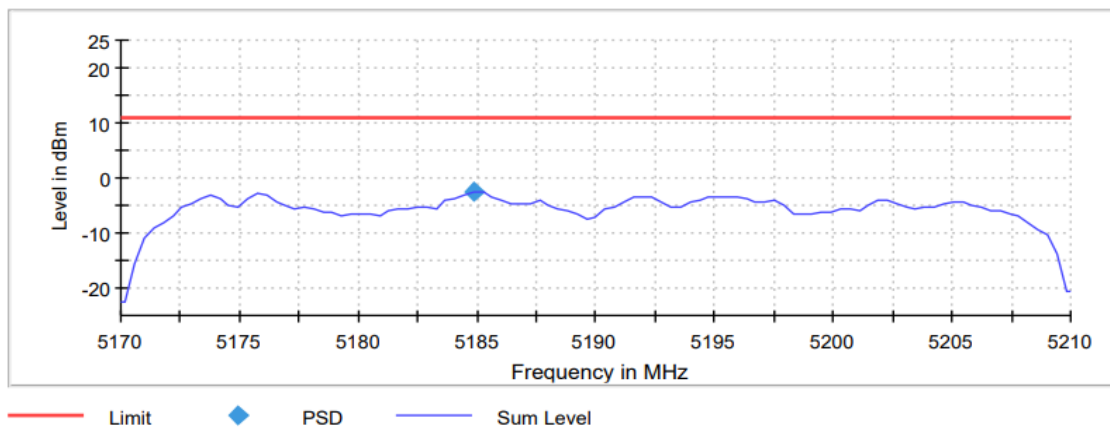
S/01

<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

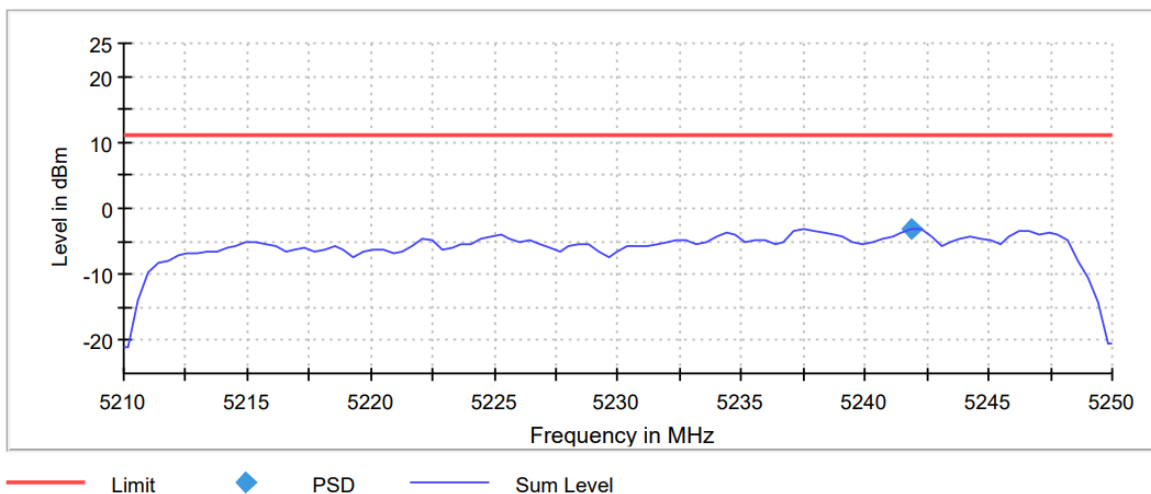
**Bandwidth: 40 MHz**

	Lowest frequency 5190 MHz	Highest frequency 5230 MHz
Power spectral density (dBm)	-2.390	-3.050

**Lowest Channel**



**Highest Channel**



**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.21000 GHz
Stop Frequency	5.21000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 $\mu$ s	11.000 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	0	0
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	FFT	FFT
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.30 dB	0.30 dB
Run	15 / max. 15	5 / max. 15
Stable	3 / 3	1 / 3
Max Stable Difference	0.00 dB	0.00 dB

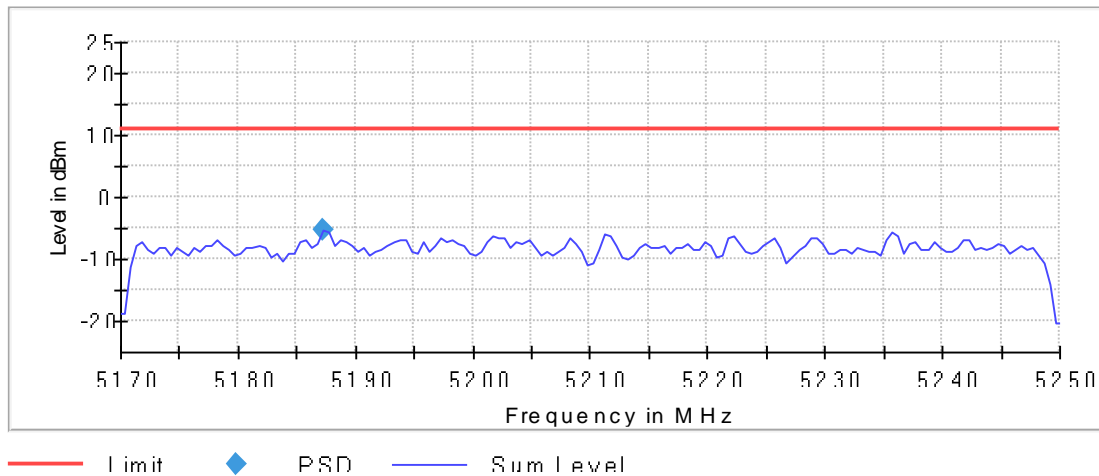
<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

	Lowest frequency 5210 MHz
Power spectral density (dBm)	-5.231

**Lowest Channel**

Power Spectral Density



**TEST RESULTS (Cont.)**

**Measurement**

Setting	Instrument Value
Start Frequency	5.17000 GHz
Stop Frequency	5.25000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 $\mu$ s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	5 / max. 15
Stable	3 / 3
Max Stable Difference	0.00 dB

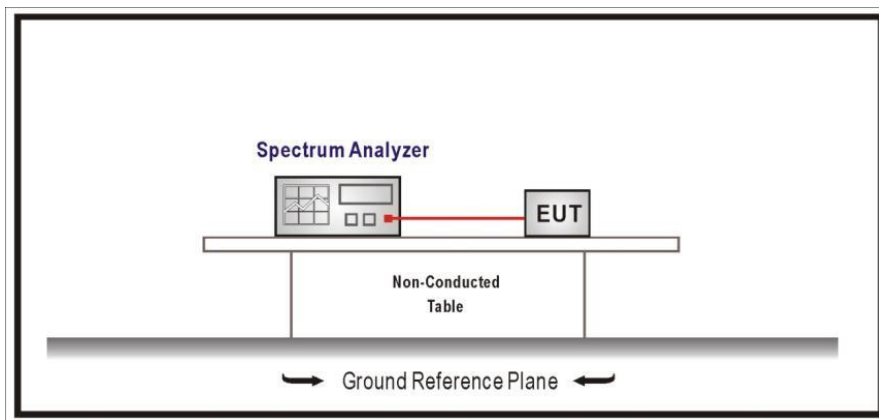


## TEST B.4: BAND-EDGE EMISSIONS COMPLIANCE (TRANSMITTER)

<b>LIMITS:</b>	Product standard:	Part 15 Subpart C §15.407 and RSS-247
	Test standard:	Part 15 Subpart C §15.407(b)(1) and RSS-247 6.2.1.2

**LIMITS**  
 For transmitters operating in the 5.15 – 5.25 GHz band: all emissions outside the frequency band shall not exceed an EIRP of -27 dBm /MHz

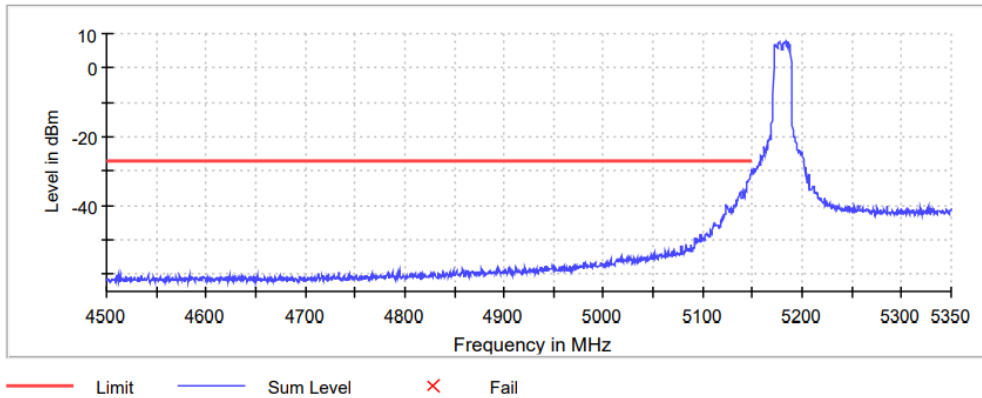
### TEST SETUP



<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01 (a Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

Bandwidth: 20 MHz

Lowest Channel



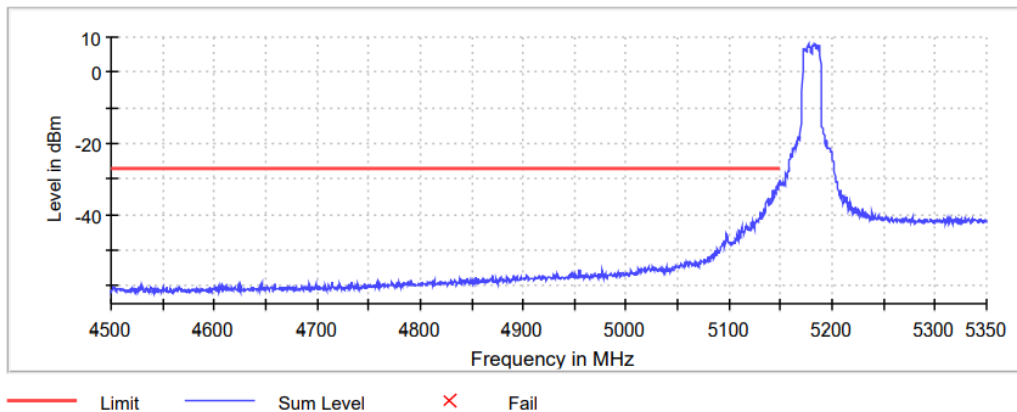
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.75000	-29.5	2.5	-27.0	PASS
5148.75000	-30.3	3.3	-27.0	PASS
5149.25000	-30.3	3.3	-27.0	PASS
5148.25000	-31.0	4.0	-27.0	PASS
5147.75000	-32.1	5.1	-27.0	PASS
5147.25000	-32.1	5.1	-27.0	PASS
5146.75000	-32.3	5.3	-27.0	PASS
5146.25000	-32.8	5.8	-27.0	PASS
5144.75000	-33.0	6.0	-27.0	PASS
5145.25000	-33.1	6.1	-27.0	PASS
5145.75000	-33.2	6.2	-27.0	PASS
5144.25000	-33.4	6.4	-27.0	PASS
5143.75000	-34.3	7.3	-27.0	PASS
5142.75000	-35.3	8.3	-27.0	PASS
5141.25000	-35.7	8.7	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01 (a Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



## Measurements

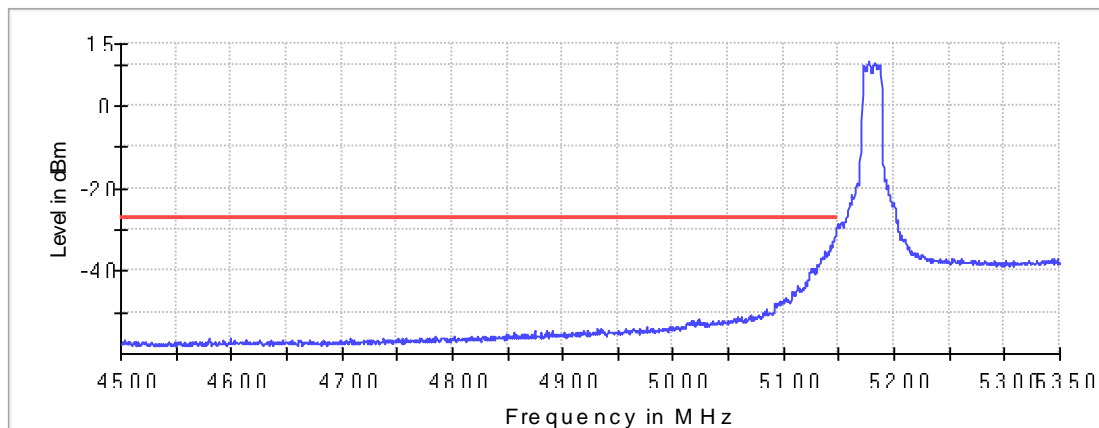
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-30.4	3.4	-27.0	PASS
5149.750000	-30.5	3.5	-27.0	PASS
5148.750000	-30.8	3.8	-27.0	PASS
5147.750000	-31.2	4.2	-27.0	PASS
5148.250000	-31.4	4.4	-27.0	PASS
5146.750000	-31.9	4.9	-27.0	PASS
5146.250000	-32.4	5.4	-27.0	PASS
5147.250000	-33.0	6.0	-27.0	PASS
5142.250000	-33.0	6.0	-27.0	PASS
5144.250000	-33.3	6.3	-27.0	PASS
5144.750000	-33.7	6.7	-27.0	PASS
5145.750000	-33.8	6.8	-27.0	PASS
5143.750000	-34.0	7.0	-27.0	PASS
5145.250000	-34.0	7.0	-27.0	PASS
5143.250000	-35.1	8.1	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01 (a Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**

Band Edge



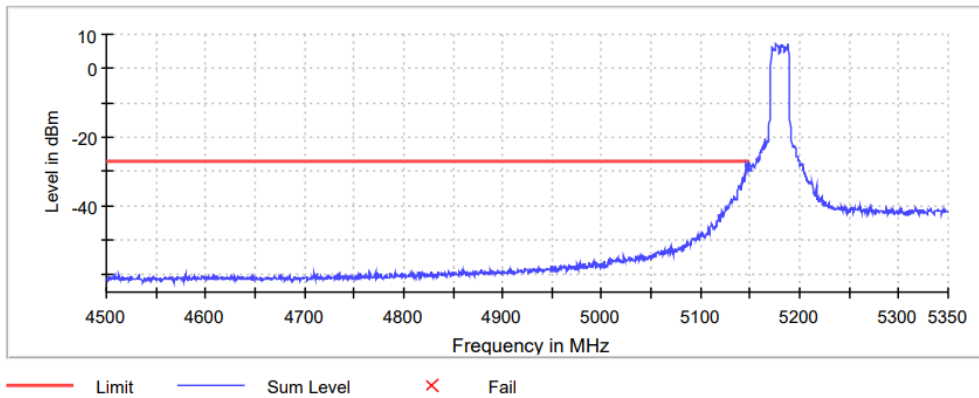
— Limit    × Fail    — Sum Level

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-28.5	1.5	-27.0	PASS
5149.250000	-28.9	1.9	-27.0	PASS
5148.750000	-29.1	2.1	-27.0	PASS
5148.250000	-29.4	2.4	-27.0	PASS
5147.750000	-29.7	2.7	-27.0	PASS
5147.250000	-30.3	3.3	-27.0	PASS
5146.750000	-31.5	4.5	-27.0	PASS
5146.250000	-32.1	5.1	-27.0	PASS
5145.250000	-32.8	5.8	-27.0	PASS
5145.750000	-32.9	5.9	-27.0	PASS
5144.750000	-33.0	6.0	-27.0	PASS
5144.250000	-33.5	6.5	-27.0	PASS
5143.250000	-33.7	6.7	-27.0	PASS
5142.250000	-33.8	6.8	-27.0	PASS
5143.750000	-34.3	7.3	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



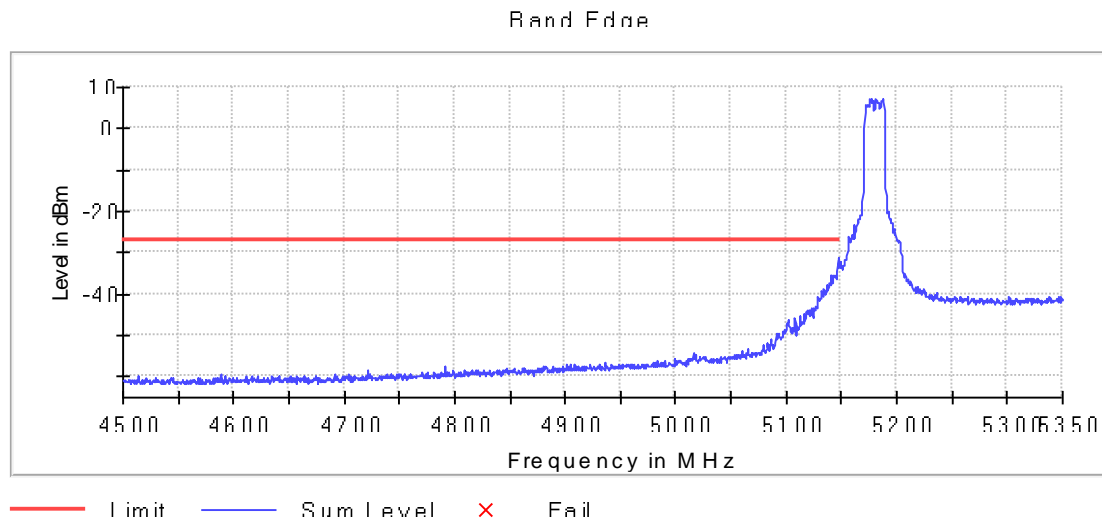
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-27.6	0.6	-27.0	PASS
5149.250000	-27.6	0.6	-27.0	PASS
5147.750000	-27.6	0.6	-27.0	PASS
5148.750000	-27.7	0.7	-27.0	PASS
5146.250000	-27.9	0.9	-27.0	PASS
5149.750000	-28.3	1.3	-27.0	PASS
5145.750000	-28.3	1.3	-27.0	PASS
5147.250000	-28.9	1.9	-27.0	PASS
5146.750000	-29.7	2.7	-27.0	PASS
5145.250000	-30.7	3.7	-27.0	PASS
5143.250000	-31.3	4.3	-27.0	PASS
5142.250000	-31.9	4.9	-27.0	PASS
5144.750000	-32.1	5.1	-27.0	PASS
5144.250000	-32.7	5.7	-27.0	PASS
5141.750000	-32.9	5.9	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**

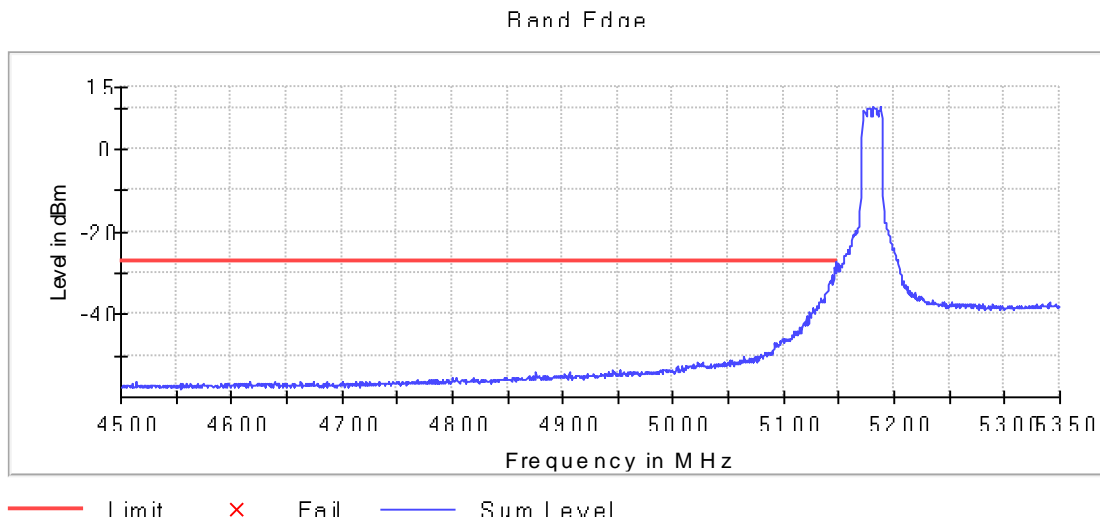


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5147.750000	-31.4	4.4	-27.0	PASS
5146.750000	-31.6	4.6	-27.0	PASS
5149.750000	-32.1	5.1	-27.0	PASS
5148.250000	-32.7	5.7	-27.0	PASS
5148.750000	-32.9	5.9	-27.0	PASS
5147.250000	-33.4	6.4	-27.0	PASS
5149.250000	-33.6	6.6	-27.0	PASS
5146.250000	-34.7	7.7	-27.0	PASS
5145.750000	-34.8	7.8	-27.0	PASS
5144.750000	-35.2	8.2	-27.0	PASS
5144.250000	-35.3	8.3	-27.0	PASS
5140.250000	-35.4	8.4	-27.0	PASS
5142.750000	-35.4	8.4	-27.0	PASS
5143.750000	-35.5	8.5	-27.0	PASS
5142.250000	-35.6	8.6	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**

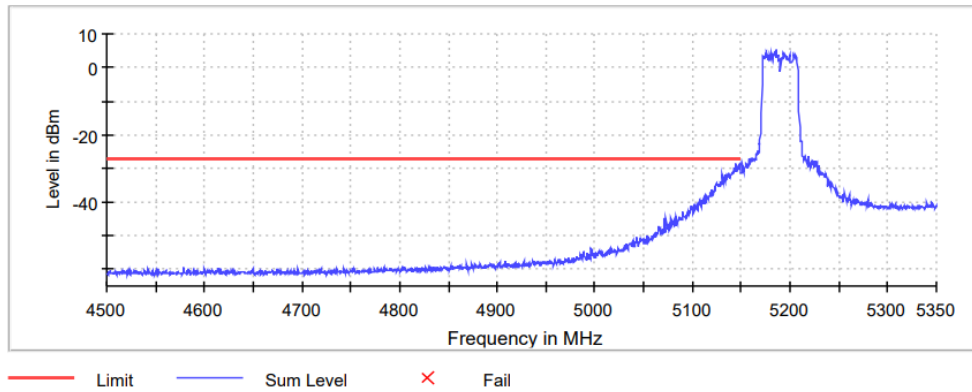


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5147.250000	-27.3	0.3	-27.0	PASS
5147.750000	-27.5	0.5	-27.0	PASS
5149.750000	-27.6	0.6	-27.0	PASS
5148.750000	-27.8	0.8	-27.0	PASS
5149.250000	-27.9	0.9	-27.0	PASS
5148.250000	-28.4	1.4	-27.0	PASS
5146.250000	-28.4	1.4	-27.0	PASS
5146.750000	-29.9	2.9	-27.0	PASS
5143.750000	-30.3	3.3	-27.0	PASS
5145.750000	-30.8	3.8	-27.0	PASS
5143.250000	-31.1	4.1	-27.0	PASS
5145.250000	-31.2	4.2	-27.0	PASS
5142.250000	-31.7	4.7	-27.0	PASS
5141.750000	-31.9	4.9	-27.0	PASS
5142.750000	-32.3	5.3	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



## Measurements

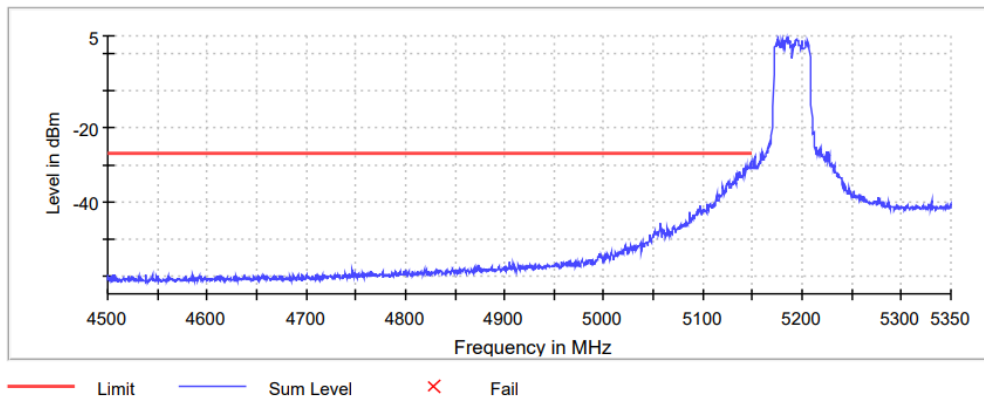
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.75000	-28.3	1.3	-27.0	PASS
5144.75000	-28.6	1.6	-27.0	PASS
5146.75000	-28.9	1.9	-27.0	PASS
5148.25000	-29.4	2.4	-27.0	PASS
5147.75000	-29.7	2.7	-27.0	PASS
5143.25000	-29.7	2.7	-27.0	PASS
5149.75000	-29.7	2.7	-27.0	PASS
5149.25000	-29.8	2.8	-27.0	PASS
5146.25000	-29.9	2.9	-27.0	PASS
5142.75000	-30.1	3.1	-27.0	PASS
5145.75000	-30.2	3.2	-27.0	PASS
5147.25000	-30.2	3.2	-27.0	PASS
5143.75000	-30.2	3.2	-27.0	PASS
5144.25000	-30.6	3.6	-27.0	PASS
5145.25000	-30.7	3.7	-27.0	PASS



<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



## Measurements

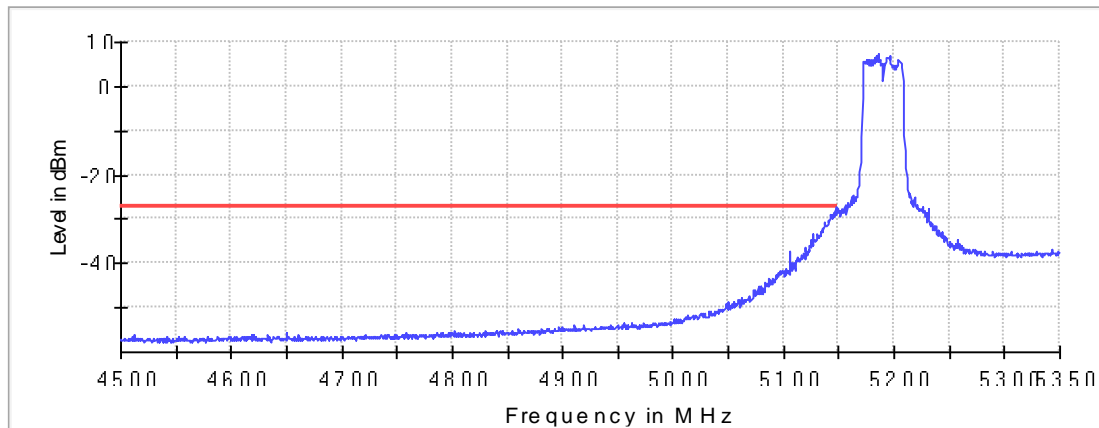
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.75000	-28.6	1.6	-27.0	PASS
5148.25000	-29.6	2.6	-27.0	PASS
5147.75000	-29.8	2.8	-27.0	PASS
5149.75000	-30.2	3.2	-27.0	PASS
5146.25000	-30.4	3.4	-27.0	PASS
5143.25000	-30.4	3.4	-27.0	PASS
5149.25000	-30.7	3.7	-27.0	PASS
5140.75000	-30.8	3.8	-27.0	PASS
5147.25000	-30.8	3.8	-27.0	PASS
5145.75000	-30.9	3.9	-27.0	PASS
5144.75000	-30.9	3.9	-27.0	PASS
5146.75000	-31.0	4.0	-27.0	PASS
5145.25000	-31.0	4.0	-27.0	PASS
5141.75000	-31.0	4.0	-27.0	PASS
5144.25000	-31.1	4.1	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#02 (n Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**

Band Edge



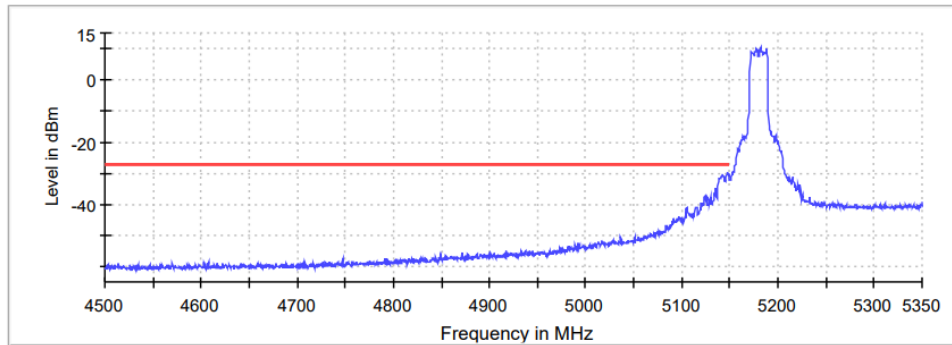
— Limit    × Fail    — Sum Level

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-27.2	0.2	-27.0	PASS
5146.750000	-27.6	0.6	-27.0	PASS
5148.750000	-27.7	0.7	-27.0	PASS
5147.750000	-28.1	1.1	-27.0	PASS
5149.750000	-28.1	1.1	-27.0	PASS
5149.250000	-28.2	1.2	-27.0	PASS
5145.250000	-28.6	1.6	-27.0	PASS
5146.250000	-28.6	1.6	-27.0	PASS
5143.750000	-28.8	1.8	-27.0	PASS
5147.250000	-28.9	1.9	-27.0	PASS
5142.750000	-29.1	2.1	-27.0	PASS
5145.750000	-29.2	2.2	-27.0	PASS
5144.250000	-29.5	2.5	-27.0	PASS
5144.750000	-29.7	2.7	-27.0	PASS
5141.750000	-29.7	2.7	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



— Limit    — Sum Level    × Fail

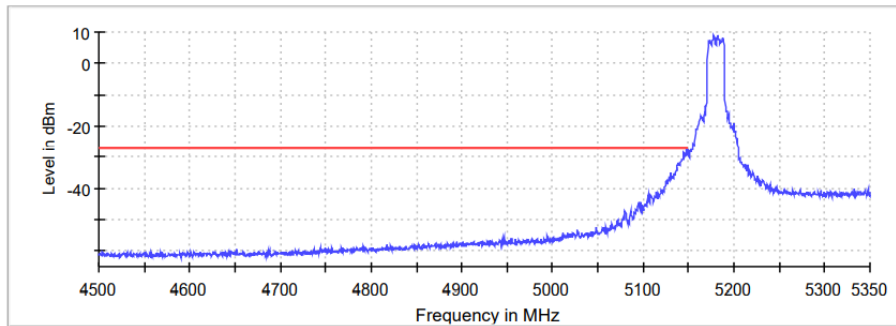
### Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5147.750000	-29.3	2.3	-27.0	PASS
5147.250000	-29.4	2.4	-27.0	PASS
5149.250000	-30.1	3.1	-27.0	PASS
5146.750000	-30.2	3.2	-27.0	PASS
5148.250000	-30.2	3.2	-27.0	PASS
5149.750000	-30.6	3.6	-27.0	PASS
5141.750000	-30.7	3.7	-27.0	PASS
5142.750000	-30.7	3.7	-27.0	PASS
5148.750000	-30.7	3.7	-27.0	PASS
5142.250000	-30.8	3.8	-27.0	PASS
5141.250000	-30.8	3.8	-27.0	PASS
5146.250000	-31.0	4.0	-27.0	PASS
5143.250000	-31.1	4.1	-27.0	PASS
5140.250000	-31.3	4.3	-27.0	PASS
5139.750000	-31.3	4.3	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



— Limit    — Sum Level    × Fail

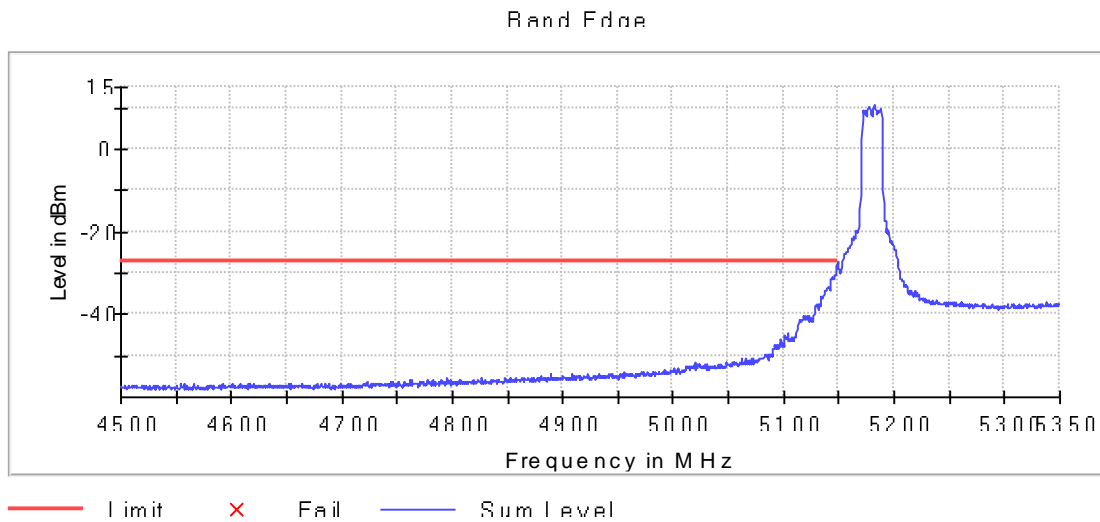
### Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5147.75000	-27.3	0.3	-27.0	PASS
5149.75000	-27.5	0.5	-27.0	PASS
5149.25000	-27.6	0.6	-27.0	PASS
5147.25000	-27.9	0.9	-27.0	PASS
5146.75000	-28.2	1.2	-27.0	PASS
5144.75000	-28.7	1.7	-27.0	PASS
5148.75000	-28.7	1.7	-27.0	PASS
5144.25000	-28.8	1.8	-27.0	PASS
5145.25000	-29.1	2.1	-27.0	PASS
5145.75000	-29.2	2.2	-27.0	PASS
5148.25000	-29.4	2.4	-27.0	PASS
5146.25000	-29.7	2.7	-27.0	PASS
5143.75000	-29.8	2.8	-27.0	PASS
5143.25000	-30.5	3.5	-27.0	PASS
5142.75000	-30.6	3.6	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**

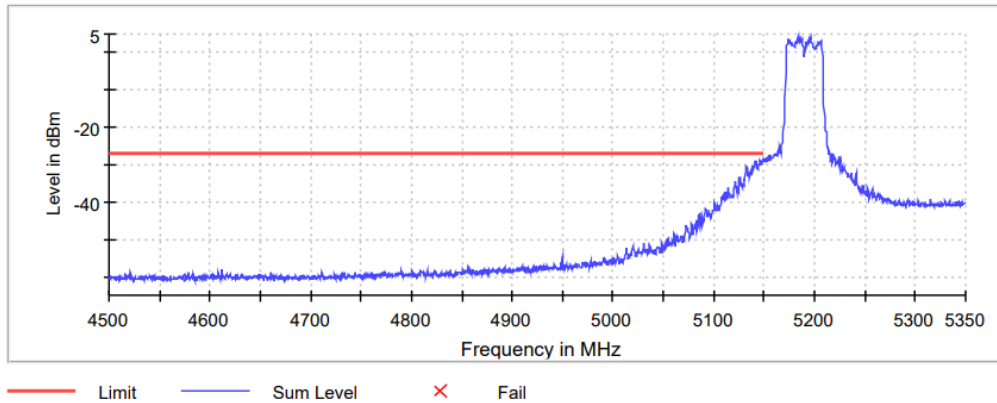


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-27.2	0.2	-27.0	PASS
5149.750000	-27.2	0.2	-27.0	PASS
5148.750000	-27.6	0.6	-27.0	PASS
5148.250000	-28.3	1.3	-27.0	PASS
5147.750000	-29.3	2.3	-27.0	PASS
5146.250000	-30.4	3.4	-27.0	PASS
5146.750000	-30.4	3.4	-27.0	PASS
5147.250000	-30.5	3.5	-27.0	PASS
5145.750000	-30.8	3.8	-27.0	PASS
5143.750000	-31.2	4.2	-27.0	PASS
5145.250000	-31.3	4.3	-27.0	PASS
5144.250000	-31.4	4.4	-27.0	PASS
5143.250000	-31.4	4.4	-27.0	PASS
5142.750000	-31.5	4.5	-27.0	PASS
5144.750000	-31.6	4.6	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



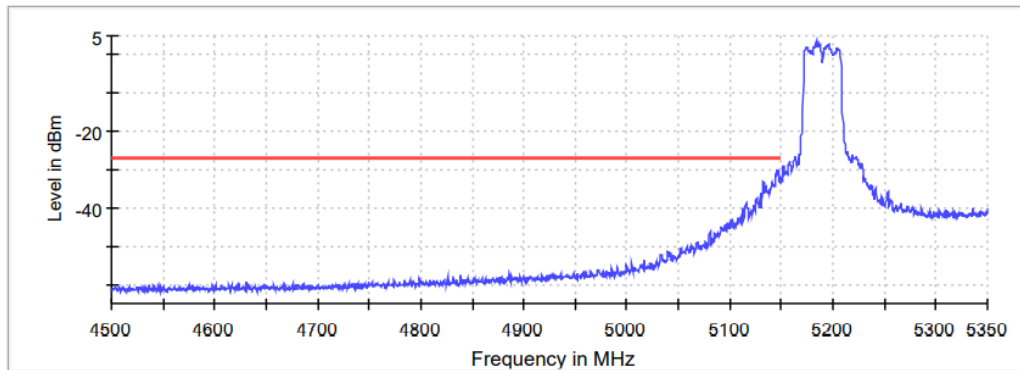
### Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-28.2	1.2	-27.0	PASS
5148.750000	-28.6	1.6	-27.0	PASS
5146.250000	-28.7	1.7	-27.0	PASS
5149.250000	-28.9	1.9	-27.0	PASS
5141.250000	-28.9	1.9	-27.0	PASS
5147.750000	-29.1	2.1	-27.0	PASS
5148.250000	-29.2	2.2	-27.0	PASS
5141.750000	-29.2	2.2	-27.0	PASS
5145.750000	-29.3	2.3	-27.0	PASS
5146.750000	-29.4	2.4	-27.0	PASS
5140.750000	-29.6	2.6	-27.0	PASS
5144.250000	-29.8	2.8	-27.0	PASS
5145.250000	-29.8	2.8	-27.0	PASS
5144.750000	-29.9	2.9	-27.0	PASS
5147.250000	-29.9	2.9	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



— Limit    — Sum Level    × Fail

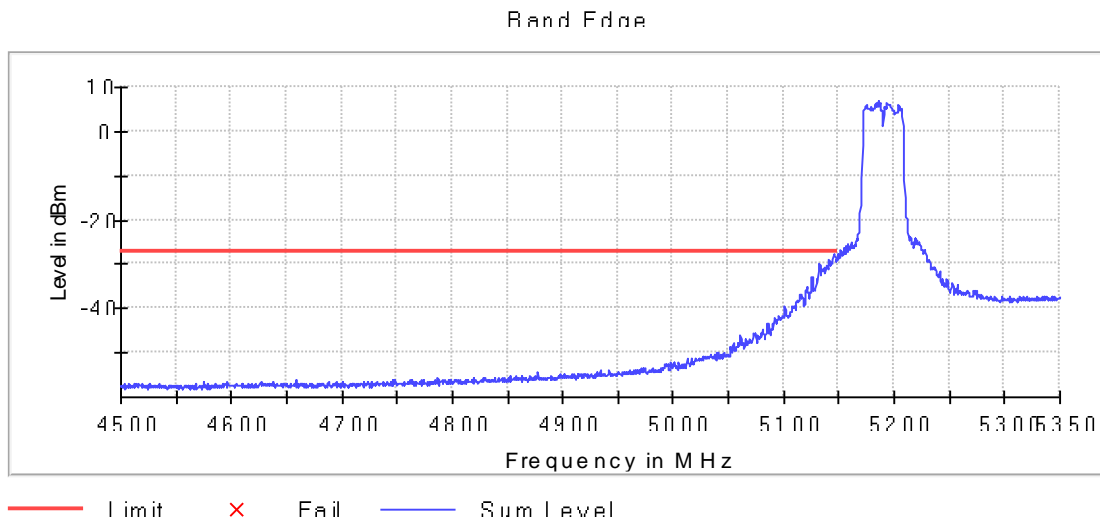
### Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5145.750000	-30.2	3.2	-27.0	PASS
5145.250000	-30.3	3.3	-27.0	PASS
5146.750000	-30.6	3.6	-27.0	PASS
5146.250000	-31.2	4.2	-27.0	PASS
5144.750000	-31.3	4.3	-27.0	PASS
5149.250000	-31.6	4.6	-27.0	PASS
5147.250000	-32.5	5.5	-27.0	PASS
5148.250000	-33.0	6.0	-27.0	PASS
5132.250000	-33.1	6.1	-27.0	PASS
5147.750000	-33.1	6.1	-27.0	PASS
5131.750000	-33.2	6.2	-27.0	PASS
5149.750000	-33.2	6.2	-27.0	PASS
5148.750000	-33.3	6.3	-27.0	PASS
5141.250000	-33.6	6.6	-27.0	PASS
5144.250000	-33.7	6.7	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



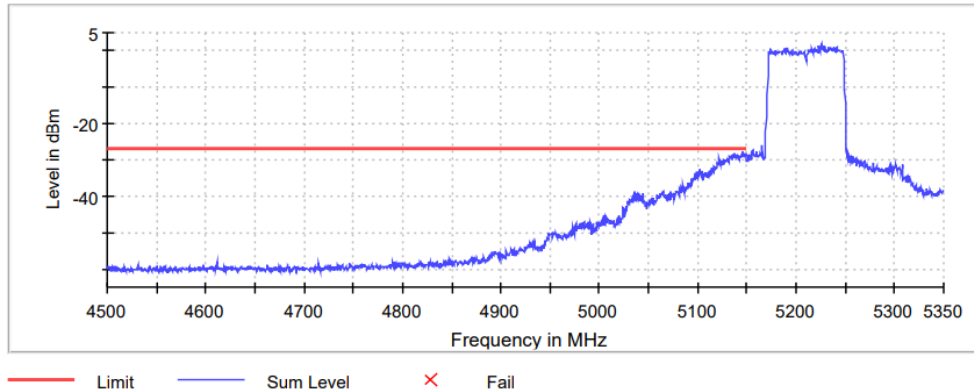
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-27.4	0.4	-27.0	PASS
5145.250000	-27.6	0.6	-27.0	PASS
5149.250000	-27.9	0.9	-27.0	PASS
5146.250000	-28.0	1.0	-27.0	PASS
5145.750000	-28.1	1.1	-27.0	PASS
5146.750000	-28.6	1.6	-27.0	PASS
5148.750000	-28.8	1.8	-27.0	PASS
5144.750000	-28.9	1.9	-27.0	PASS
5148.250000	-28.9	1.9	-27.0	PASS
5141.250000	-29.0	2.0	-27.0	PASS
5144.250000	-29.1	2.1	-27.0	PASS
5147.750000	-29.1	2.1	-27.0	PASS
5147.250000	-29.3	2.3	-27.0	PASS
5140.750000	-29.5	2.5	-27.0	PASS
5141.750000	-29.5	2.5	-27.0	PASS



<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**



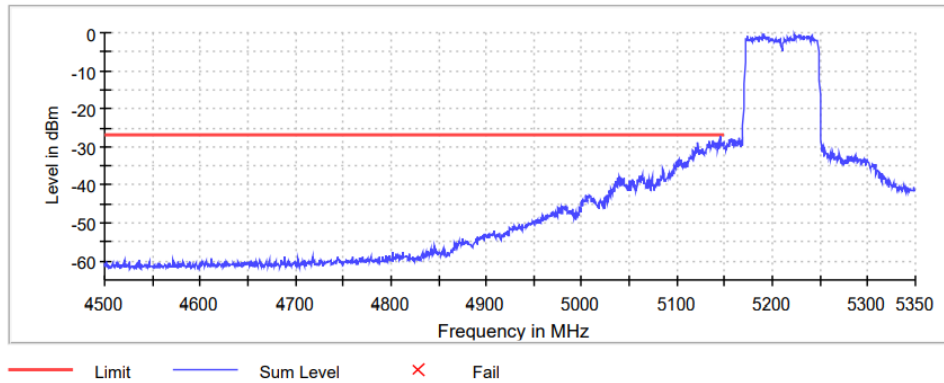
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5145.750000	-27.8	0.8	-27.0	PASS
5136.750000	-28.3	1.3	-27.0	PASS
5149.250000	-28.4	1.4	-27.0	PASS
5137.250000	-28.4	1.4	-27.0	PASS
5147.250000	-28.4	1.4	-27.0	PASS
5145.250000	-28.5	1.5	-27.0	PASS
5143.250000	-28.5	1.5	-27.0	PASS
5134.750000	-28.6	1.6	-27.0	PASS
5140.250000	-28.6	1.6	-27.0	PASS
5146.750000	-28.7	1.7	-27.0	PASS
5149.750000	-28.8	1.8	-27.0	PASS
5148.750000	-28.8	1.8	-27.0	PASS
5139.250000	-28.9	1.9	-27.0	PASS
5146.250000	-28.9	1.9	-27.0	PASS
5136.250000	-29.0	2.0	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**



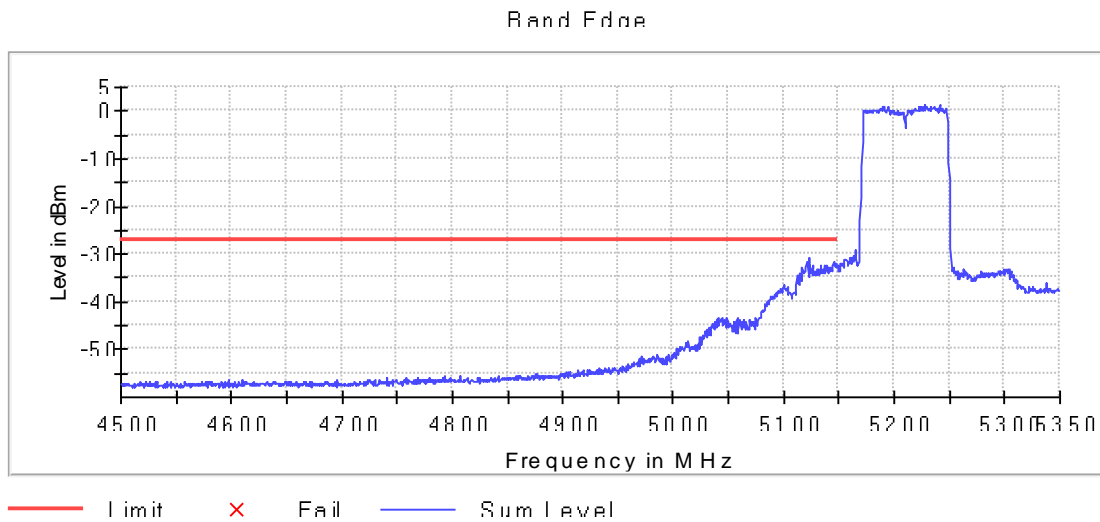
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5145.250000	-27.1	0.1	-27.0	PASS
5133.750000	-28.3	1.3	-27.0	PASS
5136.750000	-28.5	1.5	-27.0	PASS
5137.250000	-28.7	1.7	-27.0	PASS
5148.750000	-28.8	1.8	-27.0	PASS
5145.750000	-28.8	1.8	-27.0	PASS
5139.250000	-28.8	1.8	-27.0	PASS
5121.750000	-28.9	1.9	-27.0	PASS
5143.250000	-28.9	1.9	-27.0	PASS
5138.750000	-29.0	2.0	-27.0	PASS
5133.250000	-29.0	2.0	-27.0	PASS
5140.250000	-29.0	2.0	-27.0	PASS
5147.250000	-29.0	2.0	-27.0	PASS
5141.750000	-29.1	2.1	-27.0	PASS
5136.250000	-29.2	2.2	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#03 (ac Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**

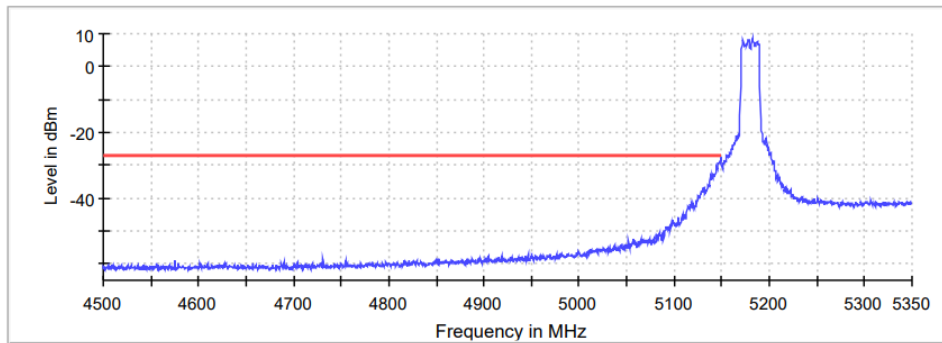


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5123.250000	-30.7	3.7	-27.0	PASS
5120.750000	-31.4	4.4	-27.0	PASS
5145.250000	-31.5	4.5	-27.0	PASS
5145.750000	-31.9	4.9	-27.0	PASS
5121.750000	-32.0	5.0	-27.0	PASS
5147.750000	-32.0	5.0	-27.0	PASS
5123.750000	-32.0	5.0	-27.0	PASS
5121.250000	-32.1	5.1	-27.0	PASS
5136.750000	-32.2	5.2	-27.0	PASS
5126.250000	-32.2	5.2	-27.0	PASS
5133.750000	-32.2	5.2	-27.0	PASS
5147.250000	-32.3	5.3	-27.0	PASS
5138.750000	-32.4	5.4	-27.0	PASS
5144.750000	-32.5	5.5	-27.0	PASS
5149.250000	-32.5	5.5	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



— Limit    — Sum Level    × Fail

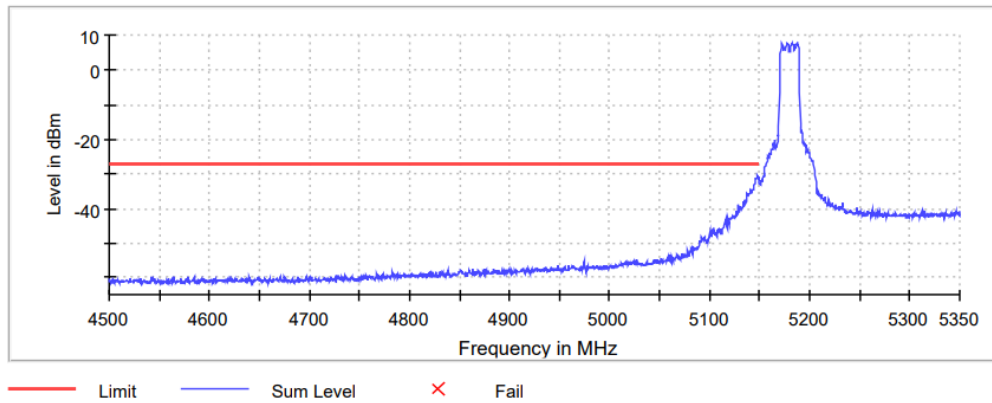
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-27.3	0.3	-27.0	PASS
5149.750000	-27.7	0.7	-27.0	PASS
5148.750000	-28.5	1.5	-27.0	PASS
5148.250000	-29.1	2.1	-27.0	PASS
5147.250000	-29.2	2.2	-27.0	PASS
5146.750000	-29.2	2.2	-27.0	PASS
5146.250000	-29.2	2.2	-27.0	PASS
5147.750000	-29.4	2.4	-27.0	PASS
5145.750000	-30.2	3.2	-27.0	PASS
5144.750000	-30.5	3.5	-27.0	PASS
5144.250000	-30.9	3.9	-27.0	PASS
5145.250000	-31.2	4.2	-27.0	PASS
5143.750000	-32.1	5.1	-27.0	PASS
5143.250000	-32.2	5.2	-27.0	PASS
5141.250000	-32.6	5.6	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



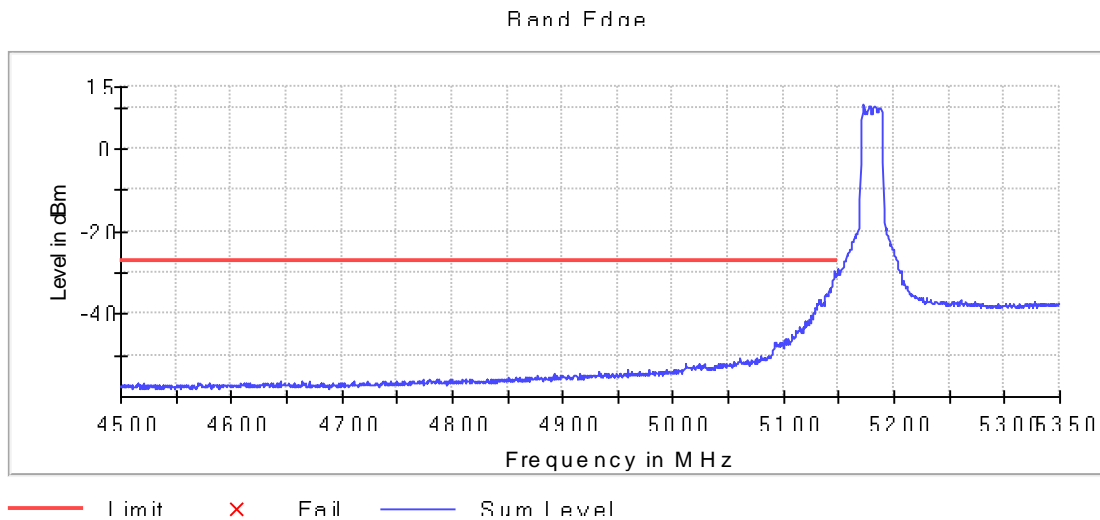
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-30.4	3.4	-27.0	PASS
5149.750000	-30.7	3.7	-27.0	PASS
5146.750000	-31.0	4.0	-27.0	PASS
5146.250000	-31.1	4.1	-27.0	PASS
5147.250000	-31.3	4.3	-27.0	PASS
5149.250000	-31.3	4.3	-27.0	PASS
5148.750000	-31.4	4.4	-27.0	PASS
5147.750000	-31.4	4.4	-27.0	PASS
5145.750000	-32.0	5.0	-27.0	PASS
5145.250000	-32.5	5.5	-27.0	PASS
5144.750000	-33.1	6.1	-27.0	PASS
5144.250000	-34.3	7.3	-27.0	PASS
5143.750000	-34.4	7.4	-27.0	PASS
5143.250000	-34.5	7.5	-27.0	PASS
5140.250000	-34.5	7.5	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**

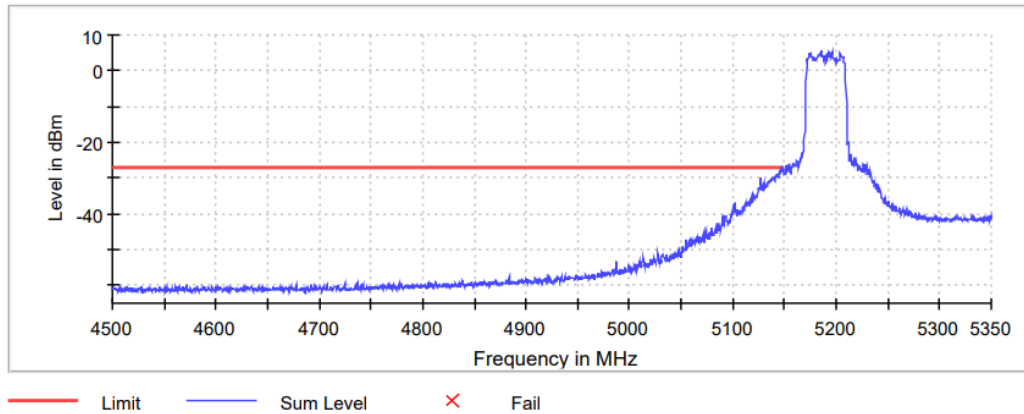


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-29.3	2.3	-27.0	PASS
5146.250000	-29.6	2.6	-27.0	PASS
5148.750000	-29.9	2.9	-27.0	PASS
5149.250000	-30.0	3.0	-27.0	PASS
5147.750000	-30.3	3.3	-27.0	PASS
5146.750000	-30.4	3.4	-27.0	PASS
5148.250000	-30.7	3.7	-27.0	PASS
5147.250000	-30.7	3.7	-27.0	PASS
5145.750000	-31.5	4.5	-27.0	PASS
5145.250000	-31.6	4.6	-27.0	PASS
5144.750000	-32.0	5.0	-27.0	PASS
5144.250000	-32.5	5.5	-27.0	PASS
5143.750000	-33.2	6.2	-27.0	PASS
5143.250000	-33.3	6.3	-27.0	PASS
5142.750000	-33.6	6.6	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



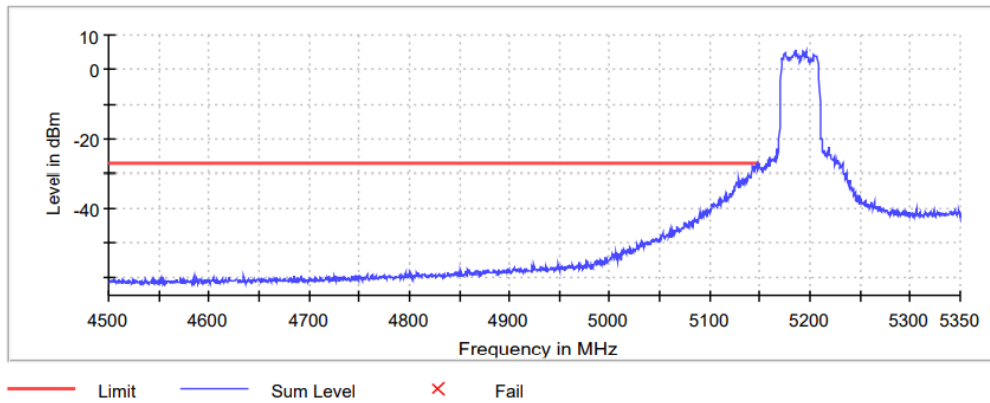
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.25000	-27.0	0.0	-27.0	PASS
5148.75000	-27.6	0.6	-27.0	PASS
5147.75000	-27.7	0.7	-27.0	PASS
5146.75000	-27.7	0.7	-27.0	PASS
5149.75000	-27.9	0.9	-27.0	PASS
5145.25000	-28.0	1.0	-27.0	PASS
5149.25000	-28.1	1.1	-27.0	PASS
5147.25000	-28.5	1.5	-27.0	PASS
5146.25000	-28.7	1.7	-27.0	PASS
5145.75000	-28.9	1.9	-27.0	PASS
5142.25000	-28.9	1.9	-27.0	PASS
5144.75000	-29.0	2.0	-27.0	PASS
5142.75000	-29.1	2.1	-27.0	PASS
5143.75000	-29.4	2.4	-27.0	PASS
5141.75000	-29.4	2.4	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



## Measurements

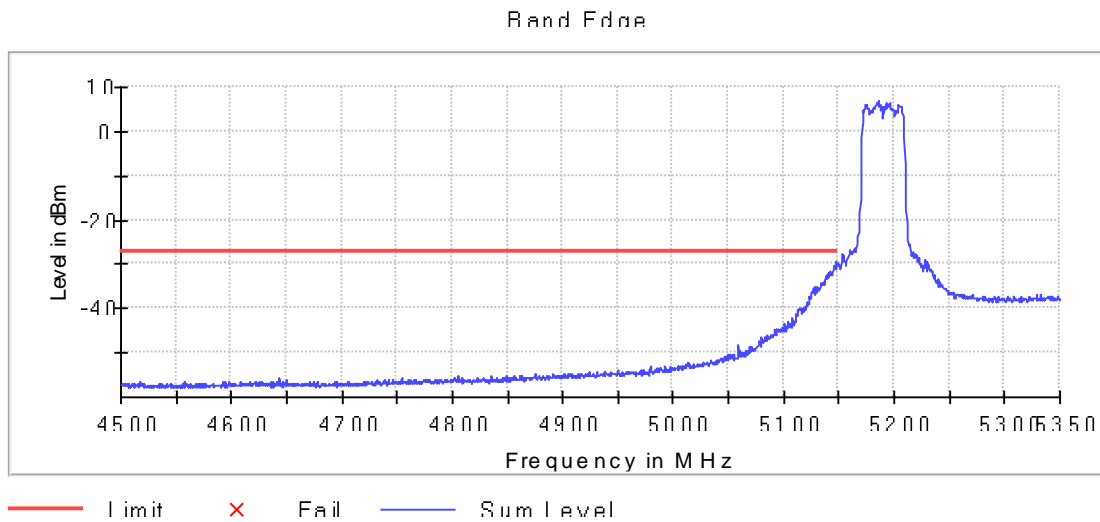
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.750000	-27.2	0.2	-27.0	PASS
5149.250000	-27.2	0.2	-27.0	PASS
5148.750000	-27.5	0.5	-27.0	PASS
5149.750000	-27.8	0.8	-27.0	PASS
5147.250000	-27.8	0.8	-27.0	PASS
5142.750000	-27.8	0.8	-27.0	PASS
5144.250000	-27.8	0.8	-27.0	PASS
5145.250000	-28.0	1.0	-27.0	PASS
5147.750000	-28.1	1.1	-27.0	PASS
5142.250000	-28.4	1.4	-27.0	PASS
5146.250000	-28.5	1.5	-27.0	PASS
5145.750000	-28.7	1.7	-27.0	PASS
5143.750000	-28.7	1.7	-27.0	PASS
5144.750000	-28.7	1.7	-27.0	PASS
5148.250000	-28.8	1.8	-27.0	PASS



<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**

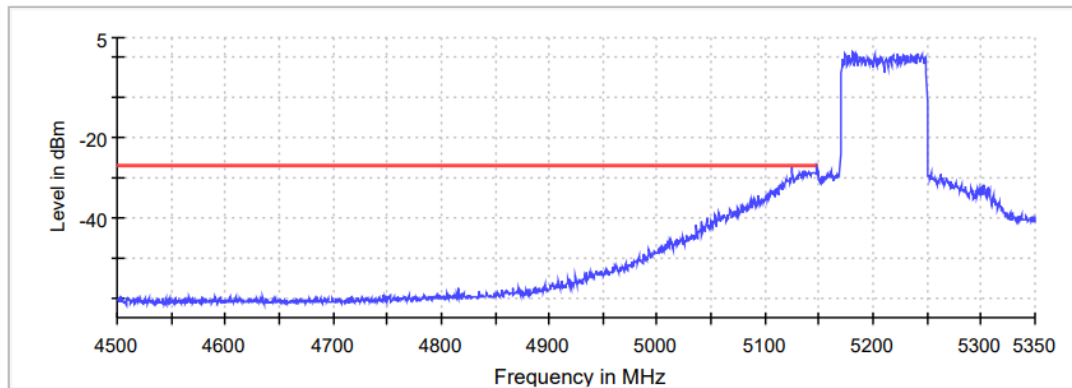


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5147.750000	-29.3	2.3	-27.0	PASS
5149.750000	-29.7	2.7	-27.0	PASS
5148.250000	-29.9	2.9	-27.0	PASS
5148.750000	-30.0	3.0	-27.0	PASS
5149.250000	-30.0	3.0	-27.0	PASS
5147.250000	-30.2	3.2	-27.0	PASS
5145.750000	-30.3	3.3	-27.0	PASS
5146.250000	-30.6	3.6	-27.0	PASS
5145.250000	-30.7	3.7	-27.0	PASS
5146.750000	-30.9	3.9	-27.0	PASS
5141.750000	-31.5	4.5	-27.0	PASS
5144.750000	-31.8	4.8	-27.0	PASS
5144.250000	-31.9	4.9	-27.0	PASS
5143.750000	-32.0	5.0	-27.0	PASS
5140.250000	-32.1	5.1	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio A)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**



— Limit    — Sum Level    × Fail

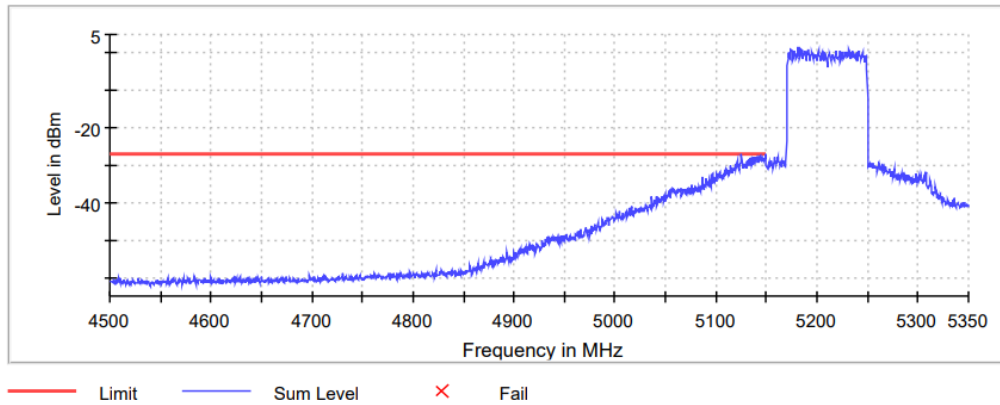
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5124.75000	-27.3	0.3	-27.0	PASS
5148.25000	-27.5	0.5	-27.0	PASS
5147.75000	-27.8	0.8	-27.0	PASS
5147.25000	-28.0	1.0	-27.0	PASS
5137.25000	-28.1	1.1	-27.0	PASS
5136.75000	-28.2	1.2	-27.0	PASS
5149.75000	-28.3	1.3	-27.0	PASS
5149.25000	-28.3	1.3	-27.0	PASS
5135.25000	-28.4	1.4	-27.0	PASS
5148.75000	-28.5	1.5	-27.0	PASS
5143.75000	-28.5	1.5	-27.0	PASS
5138.75000	-28.5	1.5	-27.0	PASS
5145.75000	-28.6	1.6	-27.0	PASS
5143.25000	-28.7	1.7	-27.0	PASS
5142.25000	-28.7	1.7	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode SISO Radio B)
<b>TEST RESULTS:</b>	PASS

Bandwidth: 80 MHz

Lowest Channel



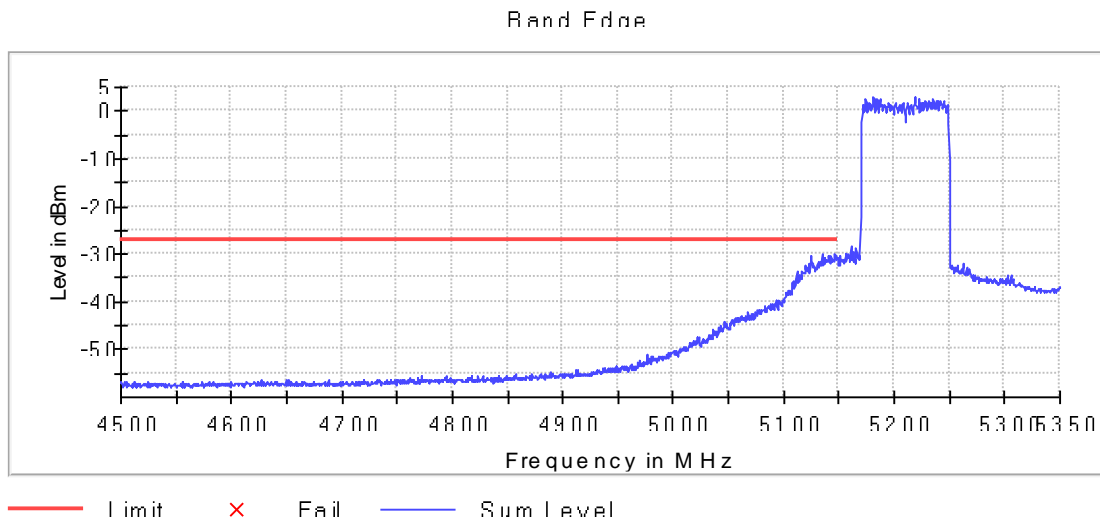
## Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5124.75000	-27.0	0.0	-27.0	PASS
5149.25000	-27.1	0.1	-27.0	PASS
5125.25000	-27.2	0.2	-27.0	PASS
5143.25000	-27.6	0.6	-27.0	PASS
5145.25000	-27.6	0.6	-27.0	PASS
5138.75000	-27.8	0.8	-27.0	PASS
5136.75000	-27.9	0.9	-27.0	PASS
5148.75000	-27.9	0.9	-27.0	PASS
5149.75000	-27.9	0.9	-27.0	PASS
5139.75000	-28.0	1.0	-27.0	PASS
5142.75000	-28.0	1.0	-27.0	PASS
5132.75000	-28.0	1.0	-27.0	PASS
5137.25000	-28.1	1.1	-27.0	PASS
5147.75000	-28.2	1.2	-27.0	PASS
5144.75000	-28.2	1.2	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#04 (ax Mode MIMO Radio A+B)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**

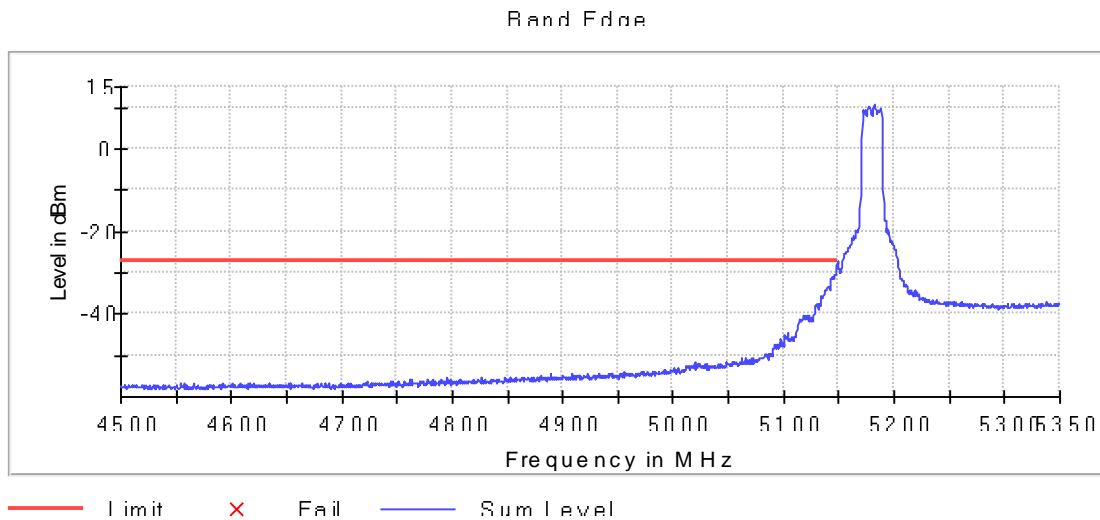


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5134.750000	-29.8	2.8	-27.0	PASS
5146.250000	-30.1	3.1	-27.0	PASS
5146.750000	-30.2	3.2	-27.0	PASS
5140.750000	-30.4	3.4	-27.0	PASS
5142.750000	-30.4	3.4	-27.0	PASS
5135.250000	-30.4	3.4	-27.0	PASS
5124.750000	-30.4	3.4	-27.0	PASS
5137.250000	-30.7	3.7	-27.0	PASS
5148.250000	-30.7	3.7	-27.0	PASS
5141.250000	-30.8	3.8	-27.0	PASS
5145.750000	-30.9	3.9	-27.0	PASS
5148.750000	-30.9	3.9	-27.0	PASS
5142.250000	-31.0	4.0	-27.0	PASS
5149.250000	-31.0	4.0	-27.0	PASS
5136.750000	-31.0	4.0	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**

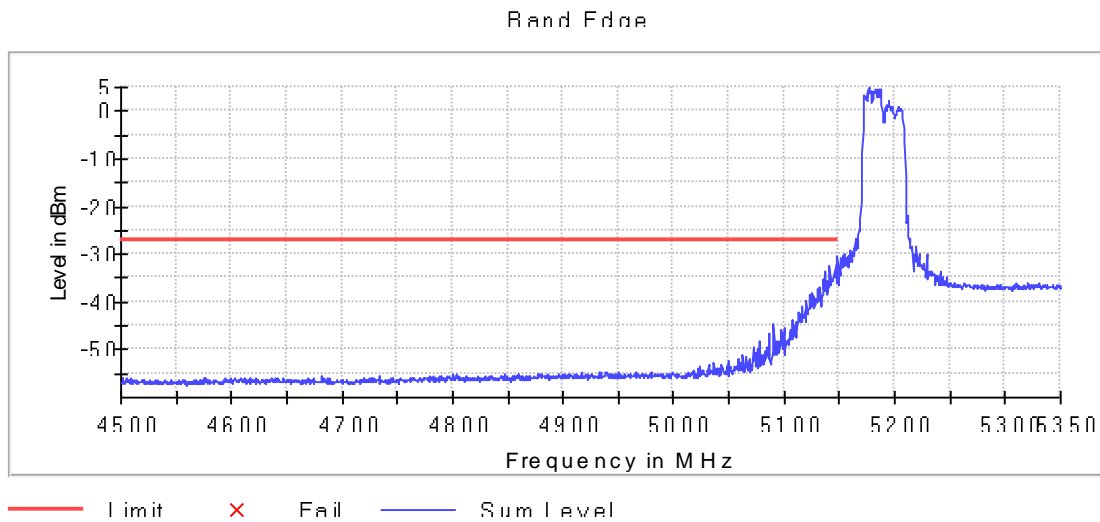


Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-27.2	0.2	-27.0	PASS
5149.750000	-27.2	0.2	-27.0	PASS
5148.750000	-27.6	0.6	-27.0	PASS
5148.250000	-28.3	1.3	-27.0	PASS
5147.750000	-29.3	2.3	-27.0	PASS
5146.250000	-30.4	3.4	-27.0	PASS
5146.750000	-30.4	3.4	-27.0	PASS
5147.250000	-30.5	3.5	-27.0	PASS
5145.750000	-30.8	3.8	-27.0	PASS
5143.750000	-31.2	4.2	-27.0	PASS
5145.250000	-31.3	4.3	-27.0	PASS
5144.250000	-31.4	4.4	-27.0	PASS
5143.250000	-31.4	4.4	-27.0	PASS
5142.750000	-31.5	4.5	-27.0	PASS
5144.750000	-31.6	4.6	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 40 MHz**

**Lowest Channel**



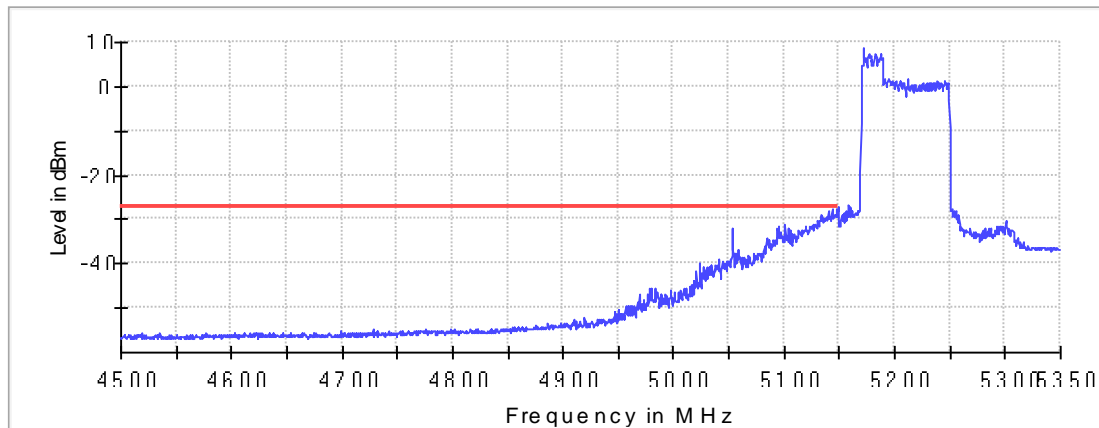
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-30.5	3.5	-27.0	PASS
5147.250000	-31.8	4.8	-27.0	PASS
5146.750000	-32.2	5.2	-27.0	PASS
5148.750000	-32.2	5.2	-27.0	PASS
5141.250000	-32.6	5.6	-27.0	PASS
5145.250000	-33.5	6.5	-27.0	PASS
5146.250000	-33.5	6.5	-27.0	PASS
5136.750000	-33.7	6.7	-27.0	PASS
5145.750000	-34.7	7.7	-27.0	PASS
5141.750000	-35.2	8.2	-27.0	PASS
5135.250000	-35.3	8.3	-27.0	PASS
5144.250000	-35.3	8.3	-27.0	PASS
5144.750000	-35.4	8.4	-27.0	PASS
5143.750000	-35.4	8.4	-27.0	PASS
5143.250000	-35.7	8.7	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**

Band Edge



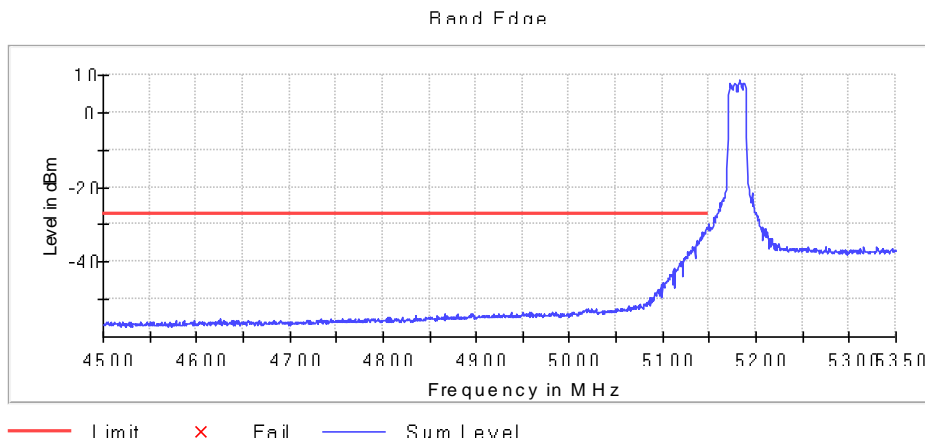
— Limit    × Fail    — Sum Level

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-27.1	0.1	-27.0	PASS
5147.750000	-27.5	0.5	-27.0	PASS
5148.250000	-27.7	0.7	-27.0	PASS
5143.250000	-27.8	0.8	-27.0	PASS
5139.750000	-28.0	1.0	-27.0	PASS
5148.750000	-28.0	1.0	-27.0	PASS
5146.250000	-28.8	1.8	-27.0	PASS
5149.750000	-28.9	1.9	-27.0	PASS
5134.250000	-29.0	2.0	-27.0	PASS
5143.750000	-29.1	2.1	-27.0	PASS
5146.750000	-29.1	2.1	-27.0	PASS
5145.750000	-29.2	2.2	-27.0	PASS
5141.250000	-29.2	2.2	-27.0	PASS
5140.750000	-29.3	2.3	-27.0	PASS
5141.750000	-29.3	2.3	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 20 MHz**

**Lowest Channel**



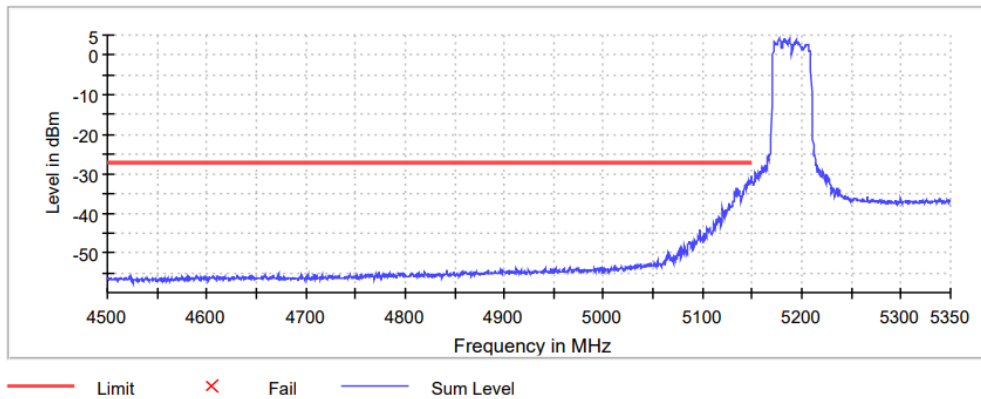
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-29.9	2.9	-27.0	PASS
5149.750000	-30.3	3.3	-27.0	PASS
5148.750000	-30.6	3.6	-27.0	PASS
5148.250000	-30.8	3.8	-27.0	PASS
5146.750000	-30.8	3.8	-27.0	PASS
5147.750000	-31.0	4.0	-27.0	PASS
5147.250000	-31.1	4.1	-27.0	PASS
5146.250000	-31.4	4.4	-27.0	PASS
5142.250000	-31.9	4.9	-27.0	PASS
5144.750000	-32.1	5.1	-27.0	PASS
5145.750000	-32.1	5.1	-27.0	PASS
5145.250000	-32.3	5.3	-27.0	PASS
5143.750000	-32.4	5.4	-27.0	PASS
5144.250000	-32.5	5.5	-27.0	PASS
5143.250000	-32.9	5.9	-27.0	PASS



<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

Bandwidth: 40 MHz

Lowest Channel



## Measurements

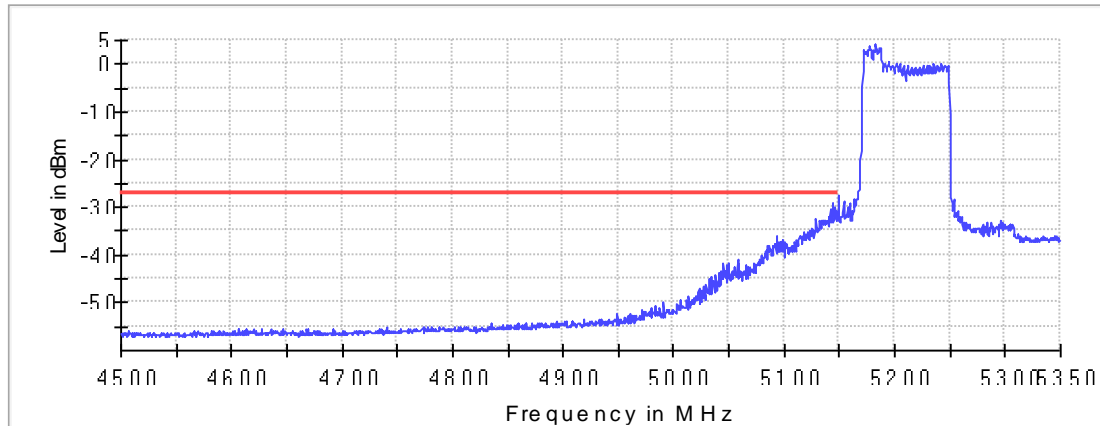
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-30.2	3.2	-27.0	PASS
5149.750000	-31.1	4.1	-27.0	PASS
5146.750000	-31.5	4.5	-27.0	PASS
5147.750000	-31.8	4.8	-27.0	PASS
5145.250000	-31.8	4.8	-27.0	PASS
5146.250000	-31.9	4.9	-27.0	PASS
5148.750000	-32.0	5.0	-27.0	PASS
5147.250000	-32.1	5.1	-27.0	PASS
5144.250000	-32.4	5.4	-27.0	PASS
5143.250000	-32.4	5.4	-27.0	PASS
5148.250000	-32.5	5.5	-27.0	PASS
5142.750000	-32.6	5.6	-27.0	PASS
5145.750000	-32.6	5.6	-27.0	PASS
5143.750000	-33.2	6.2	-27.0	PASS
5142.250000	-33.3	6.3	-27.0	PASS

<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#06 (ax Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

**Bandwidth: 80 MHz**

**Lowest Channel**

Band Edge



— Limit    × Fail    — Sum Level

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-27.5	0.5	-27.0	PASS
5143.750000	-29.3	2.3	-27.0	PASS
5146.250000	-29.8	2.8	-27.0	PASS
5141.750000	-30.3	3.3	-27.0	PASS
5143.250000	-30.9	3.9	-27.0	PASS
5148.250000	-30.9	3.9	-27.0	PASS
5149.250000	-31.9	4.9	-27.0	PASS
5148.750000	-31.9	4.9	-27.0	PASS
5144.250000	-32.0	5.0	-27.0	PASS
5140.750000	-32.1	5.1	-27.0	PASS
5140.250000	-32.2	5.2	-27.0	PASS
5145.250000	-32.2	5.2	-27.0	PASS
5146.750000	-32.2	5.2	-27.0	PASS
5145.750000	-32.3	5.3	-27.0	PASS
5128.750000	-32.4	5.4	-27.0	PASS

## TEST B.5: UNDESIRABLE RADIATED EMISSIONS (TRANSMITTER)

<b>LIMITS:</b>	Product standard:	Part 15 Subpart C §15.407 and RSS-247
	Test standard:	Part 15 Subpart E §15.407(b) (1) & (4) and RSS-Gen 8.9 and 8.10

### LIMITS

For transmitters operating in the 5.15 – 5.25 GHz band: all emissions outside of the 5.15 – 5.25 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.23 dBμ V/m at 3m distance).

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c) / RSS-Gen):

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function

### TEST SETUP

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at 3 m for the frequency ranges 30-1000 MHz (Bilog antenna) and 1-18 GHz (Double ridge horn antennas) and at 1m for the frequency range 18-40 GHz (Double ridge horn antennas).

For radiated emissions in the range 18-40 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

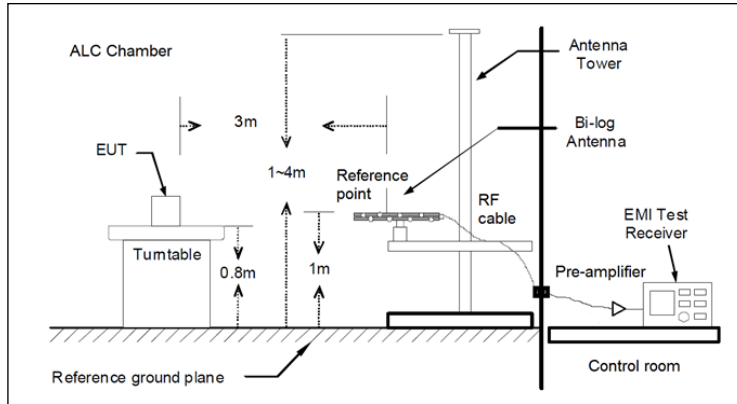
The equipment under test was set up on a non-conductive platform above the ground plane and the situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

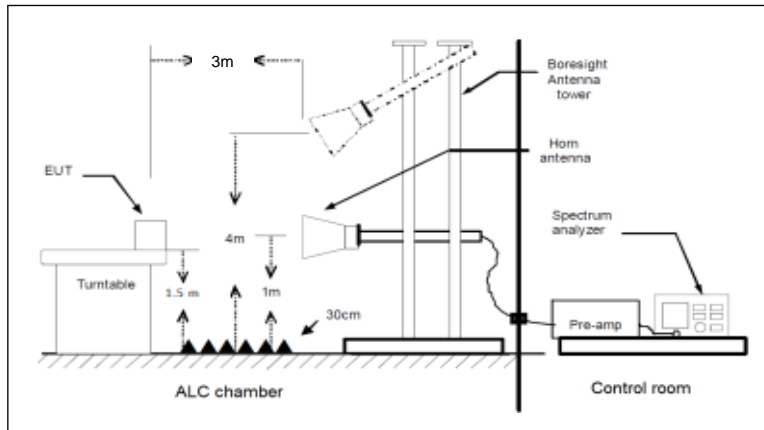
The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

**TEST SETUP (CONT.)**

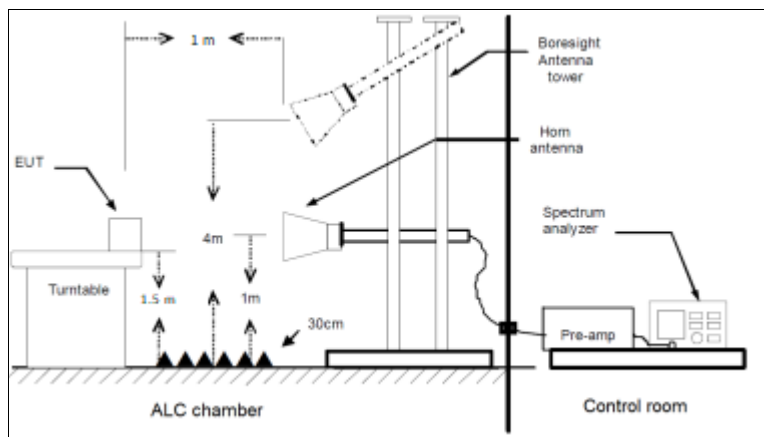
Radiated measurements Setup  $f < 1$  GHz



Radiated measurements setup  $1 < f < 18$  GHz



Radiated measurements setup  $f > 18$  GHz



<b>TESTED SAMPLES:</b>	S/02
<b>TESTED CONDITIONS MODES:</b>	TC#05 (ac Mode Beamforming)
<b>TEST RESULTS:</b>	PASS

The results for the worst operation mode of ac20 Beamforming mode are shown below.

**Frequency range 30 MHz – 1000 MHz**

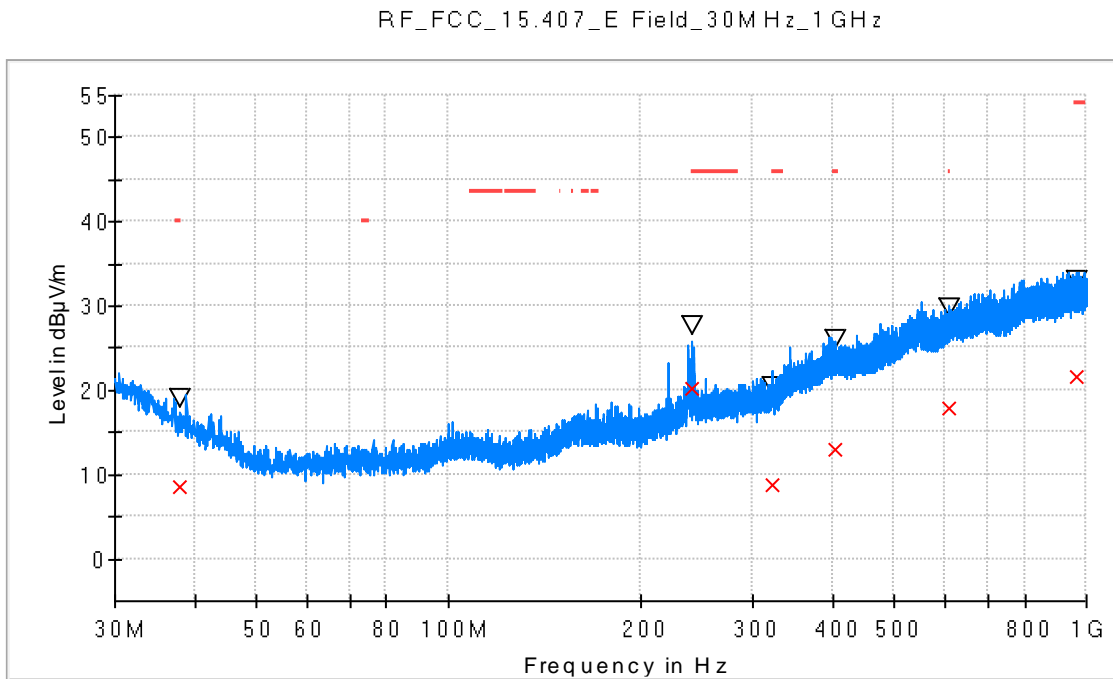
The spurious emissions below 1 GHz do not depend on the operating channel selected in the EUT. Selected operation mode for this range (ac20 mode MIMO Radio A+B Mid channel).

**Frequency range 1 GHz – 40 GHz**

The results and plots below show the maximum measured levels in the 1- 40 GHz range and the restricted band 4.5 – 5.46 GHz.

<b>FREQUENCY RANGE</b>	<b>30 MHz – 1 GHz</b>
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**Middle Channel**



- ▽ MaxPeak-PK+ (Single)
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.407 (30MHz to 1GHz) Restricted Bands QPK Li
- × QuasiPeak-QPK (Single)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Pol	Azimuth (deg)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
38.002500	19.0	8.7	H	180.0	31.4	40.0
240.005000	27.6	20.1	H	-104.0	25.9	46.0
322.794500	20.6	8.7	V	-179.0	37.3	46.0
403.983500	26.0	12.9	H	-180.0	33.1	46.0
610.448000	29.7	17.8	V	-179.0	28.2	46.0
968.184000	33.1	21.6	H	-49.0	32.4	54.0