TEST RESULTS (Cont.)	

Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.24000 GHz	5.26000 GHz	5.30000 GHz
Stop Frequency	5.28000 GHz	5.30000 GHz	5.34000 GHz
Span	40.000 MHz	40.000 MHz	40.000 MHz
RBW	200.000 kHz	200.000 kHz	200.000 kHz
VBW	1.000 MHz	1.000 MHz	1.000 MHz
Sweep Points	400	400	400
Sweep time	28.477 µs	28.477 µs	28.477 µs
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	Max Peak	Max Peak	Max Peak
Sweep Count	200	200	200
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	126 / max. 150	108 / max. 150	126/ max. 150
Stable	5 / 5	5 / 5	5 / 5
Max Stable Difference	0.00 dB	0.02 dB	0.00 dB

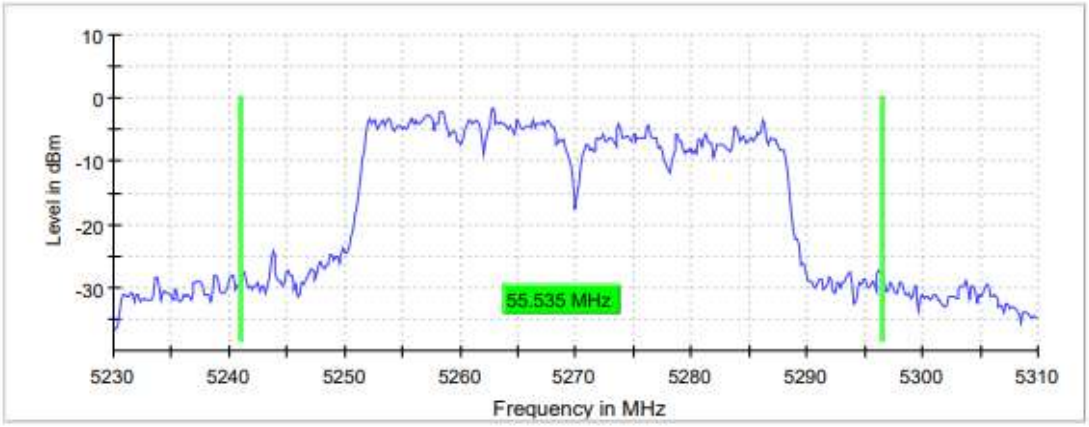
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac Mode Beam forming)
TEST RESULTS:	PASS

Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
26dB bandwidth (MHz)	55.535	41.126
Occupied bandwidth (MHz)	37.000	36.500

26 dB Bandwidth

Lowest Channel



Highest Channel

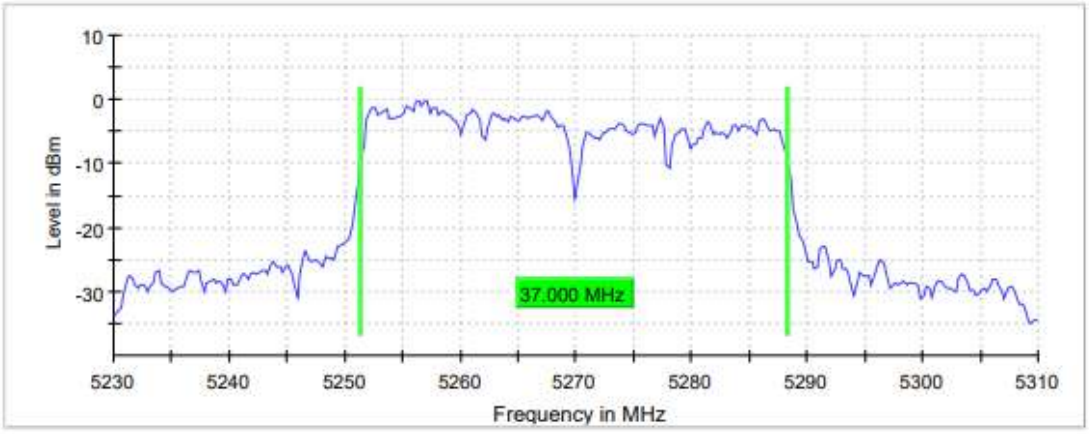
TEST RESULTS (Cont.)	

Measurement

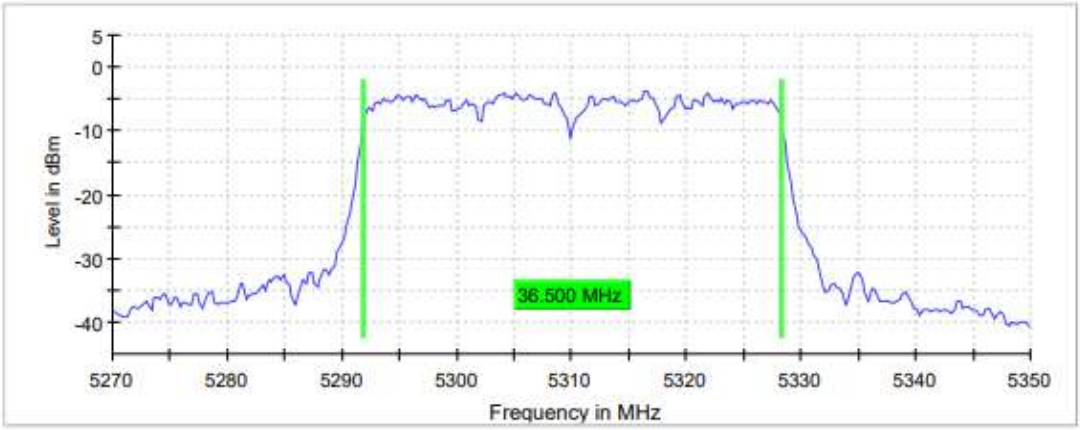
Setting	Instrument Value	Instrument Value
Start Frequency	5.23000 GHz	5.27000 GHz
Stop Frequency	5.31000 GHz	5.35000 GHz
Span	80.000 MHz	80.000 MHz
RBW	300.000 kHz	300.000 kHz
VBW	1.000 MHz	1.000 MHz
Sweep Points	533	533
Sweep time	31.621 µs	31.621 µs
Reference Level	10.000 dBm	0.000 dBm
Attenuation	30.000 dB	20.000 dB
Detector	Max Peak	Max Peak
Sweep Count	200	200
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	63 / max. 150	76 / max. 150
Stable	5 / 5	5 / 5
Max Stable Difference	0.13 dB	0.00dB

TEST RESULTS (Cont.):	OCCUPIED BANDWIDTH

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

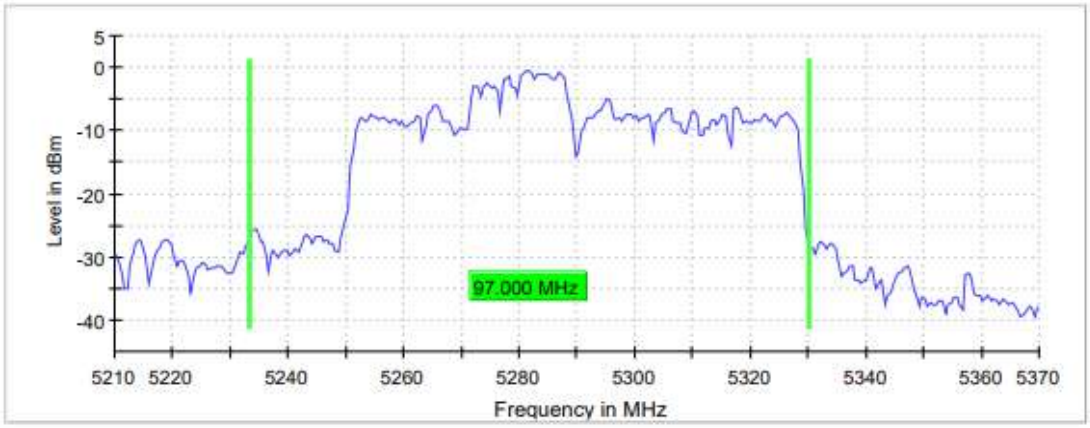
Setting	Instrument Value	Instrument Value
Start Frequency	5.23000 GHz	5.27000 GHz
Stop Frequency	5.31000 GHz	5.35000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
Sweep Points	320	320
Sweep time	18.906 µs	18.906 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	Max Peak	Max Peak
Sweep Count	200	200
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	52 / max. 150	106 / max. 150
Stable	5 / 5	5 / 5
Max Stable Difference	0.00 dB	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac Mode Beam forming)
TEST RESULTS:	PASS

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
26dB bandwidth (MHz)	97.000
Occupied bandwidth (MHz)	75.000

26 dB Bandwidth
Lowest Channel



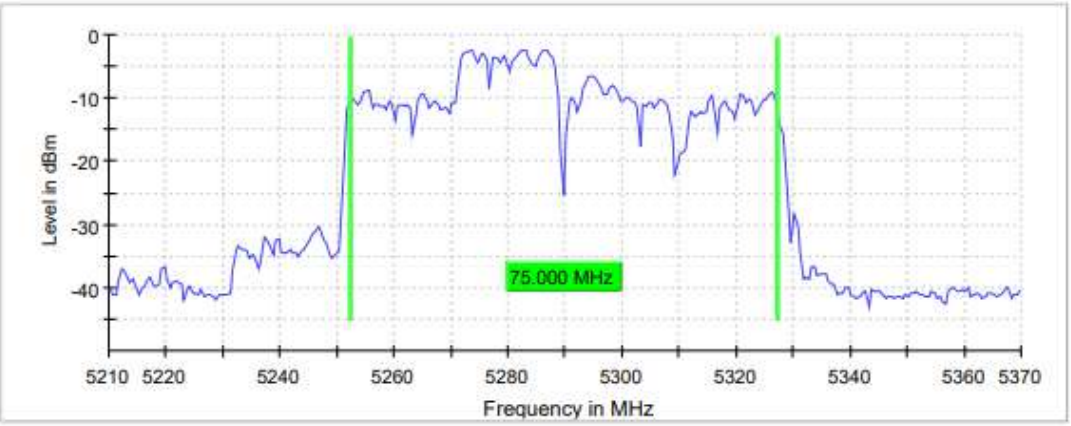
TEST RESULTS (Cont.)	

Measurement

Setting	Instrument Value
Start Frequency	5.21000 GHz
Stop Frequency	5.37000 GHz
Span	160.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	320
Sweep time	22.875 µs
Reference Level	10.000 dBm
Attenuation	30.000 dB
Detector	Max Peak
Sweep Count	200
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	42 / max. 150
Stable	5 / 5
Max Stable Difference	0.00 dB

TEST RESULTS (Cont.):	OCCUPIED BANDWIDTH

Lowest Channel



Measurement

Setting	Instrument Value
Start Frequency	5.21000 GHz
Stop Frequency	5.37000 GHz
Span	160.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	320
Sweep time	22.875 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	Max Peak
Sweep Count	200
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	Off
Stable mode	Trace
Stable value	0.30 dB
Run	80 / max. 150
Stable	5 / 5
Max Stable Difference	0.05 dB

SECTION C.2: POWER LIMITS. MAXIMUM OUTPUT POWER

LIMITS:	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.

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log10B, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

TEST SETUP	

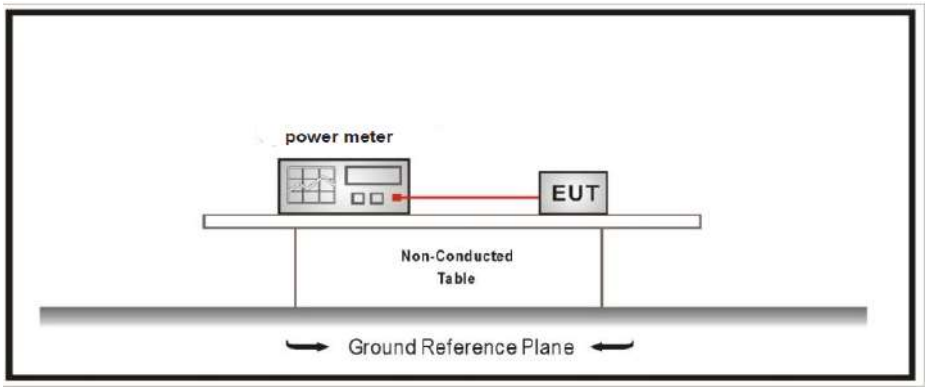
Measured according to ANSI C63.10, Section 11.9.2.3.2 Method AVGPM-G

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

Note: The following test results are shown based on KDB 662911 D01 Multiple Transmitter Output v02r01 E) 1) In-Band Power Measurements.

As Per KDB 662911 D01 Multiple Transmitter Output v02r01, for 802.11ac and ax Beam forming mode the directional gain for 2 TX antennas are calculated as follows:

Directional Gain = Antenna gain + 10log(N_{ANT})



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

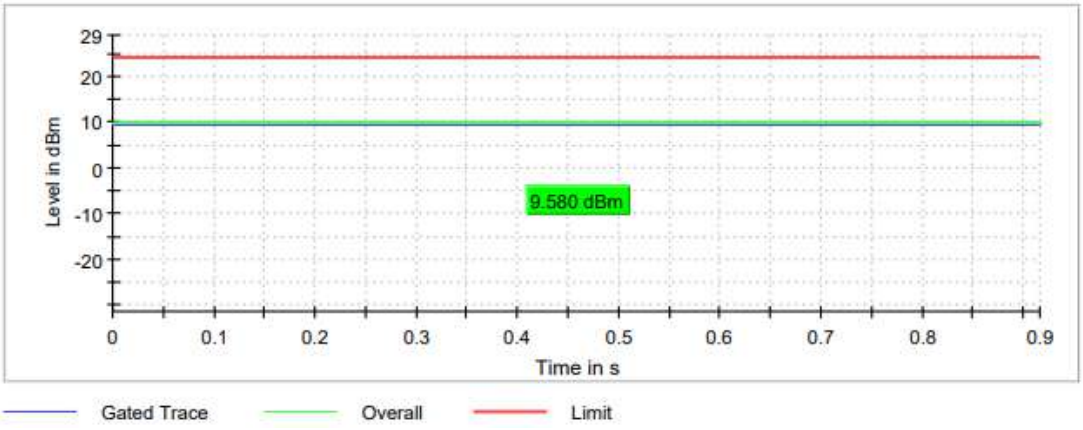
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	9.580	8.884	8.635
Maximum EIRP power (dBm)	6.780	6.084	5.835

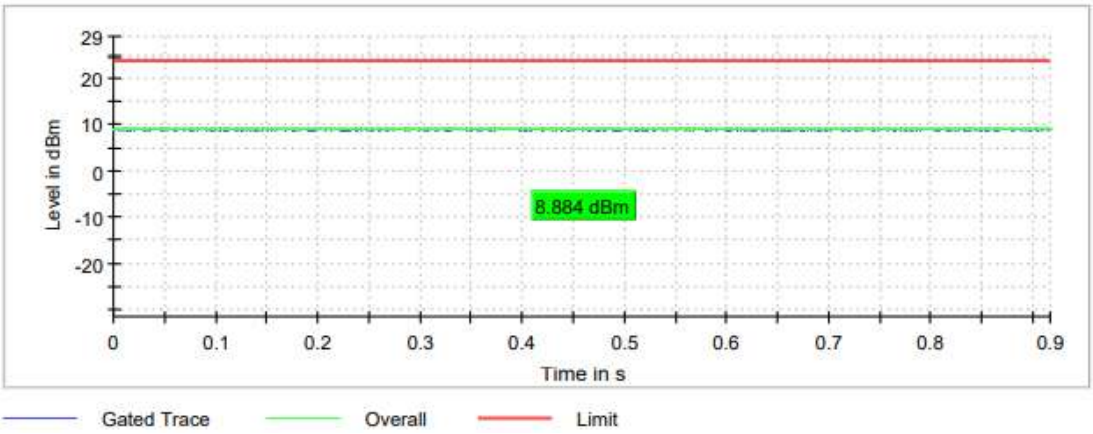
The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

Lowest Channel

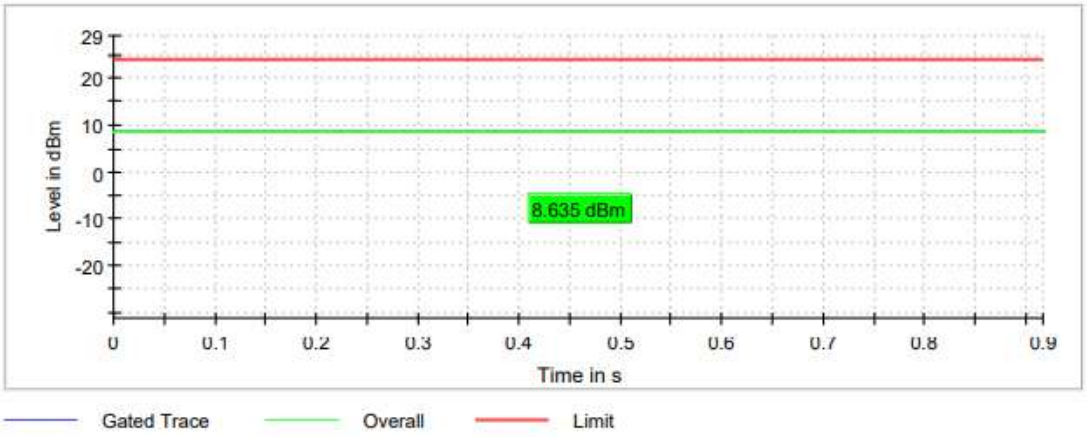


TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Middle Channel



Highest Channel



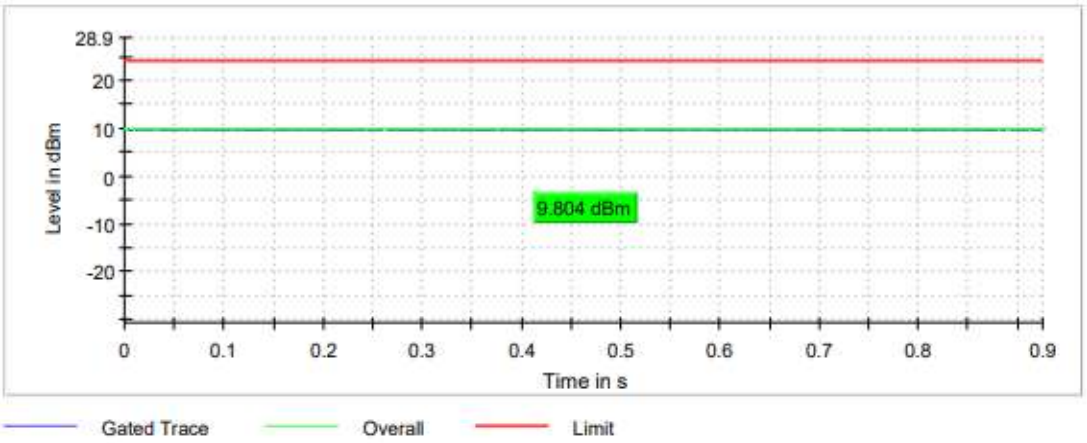
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (a mode SISO Radio B)
TEST RESULTS:	PASS

Maximum declared antenna gain: -2.8 dBi

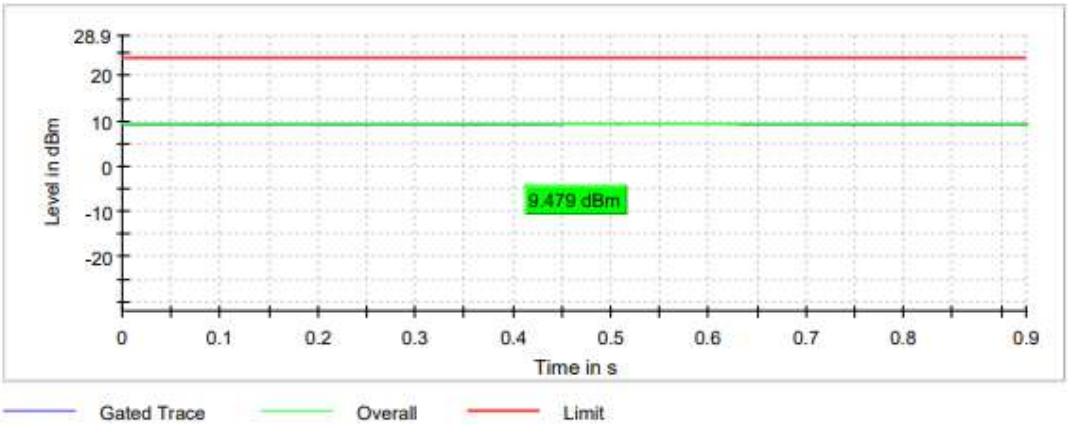
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	9.804	9.479	9.334
Maximum EIRP power (dBm)	7.004	6.679	6.534

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

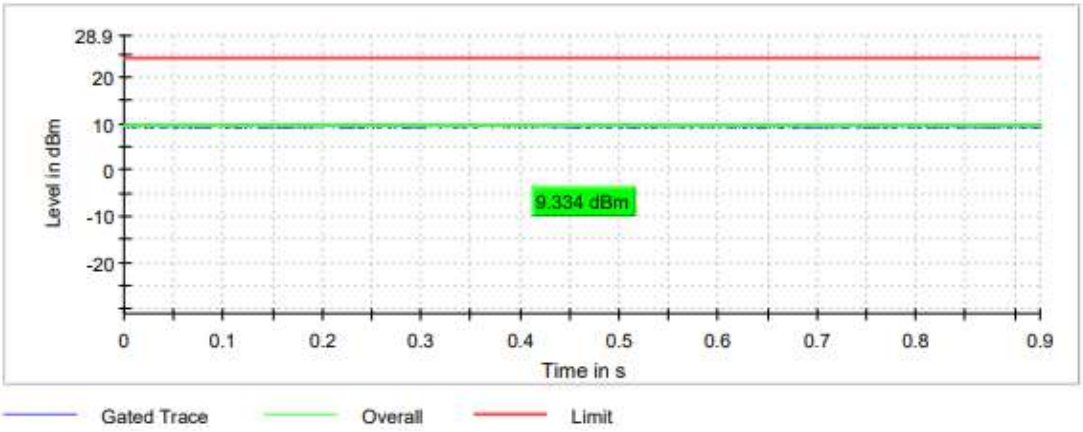


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

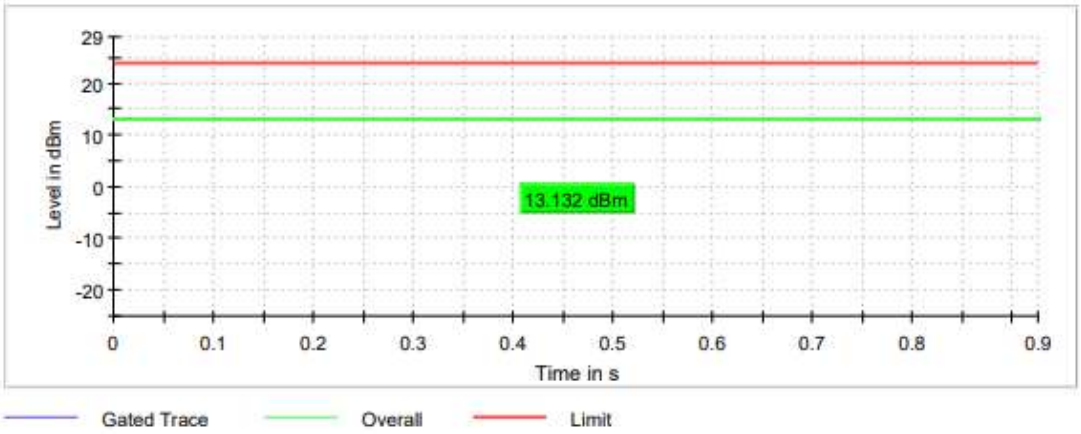
Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	13.132	12.222	11.738
Maximum EIRP power (dBm)	10.332	9.422	8.938

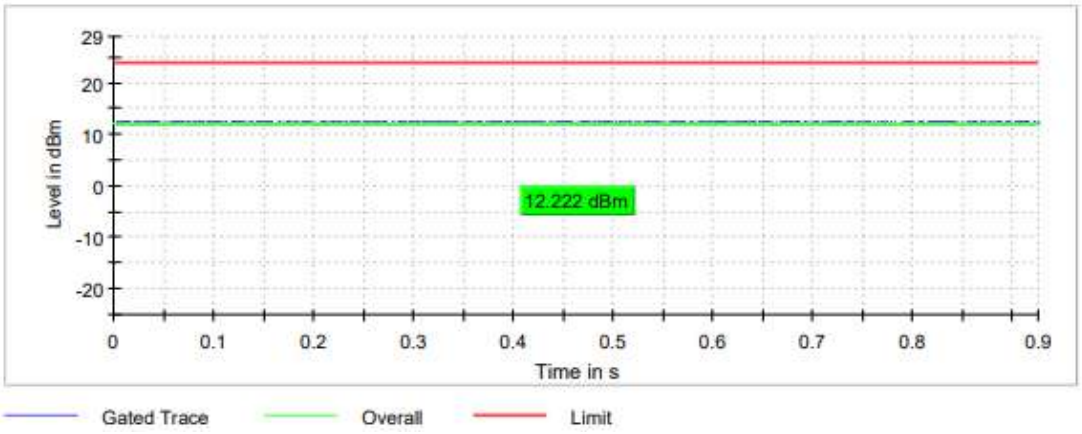
The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

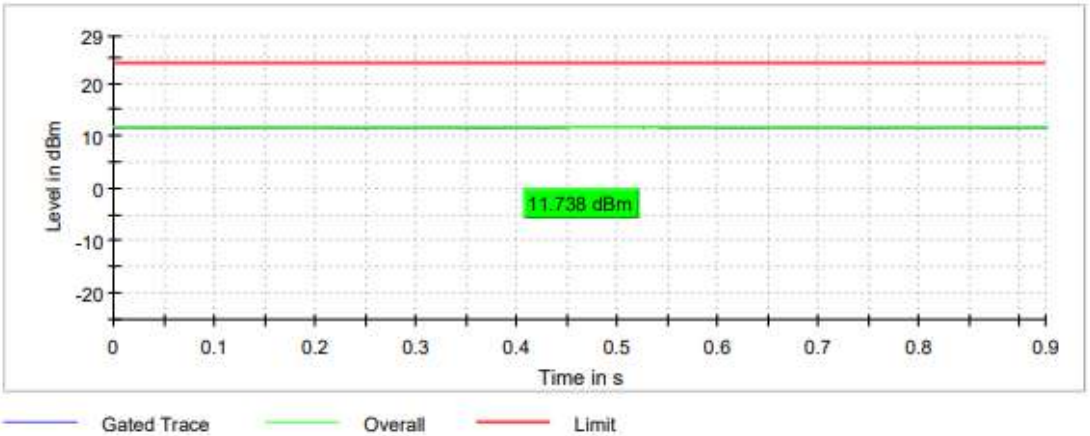
Lowest Channel



Middle Channel



Highest Channel



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

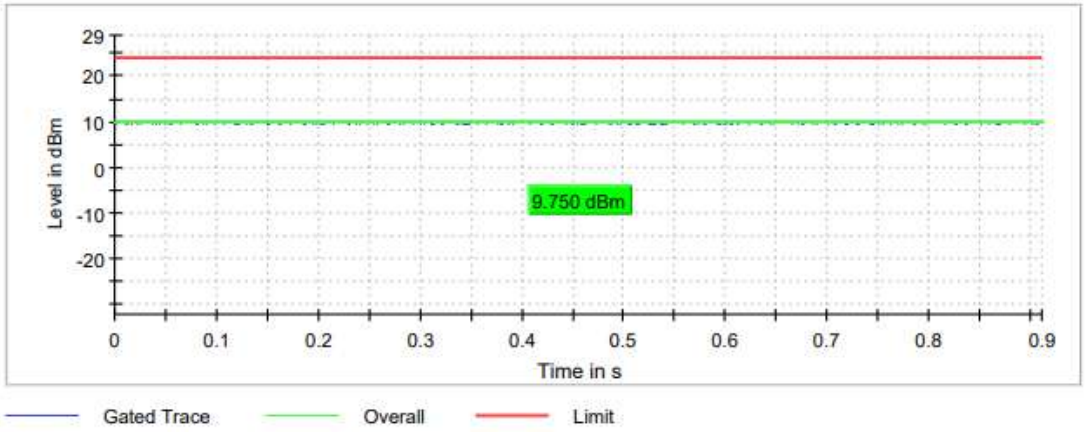
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

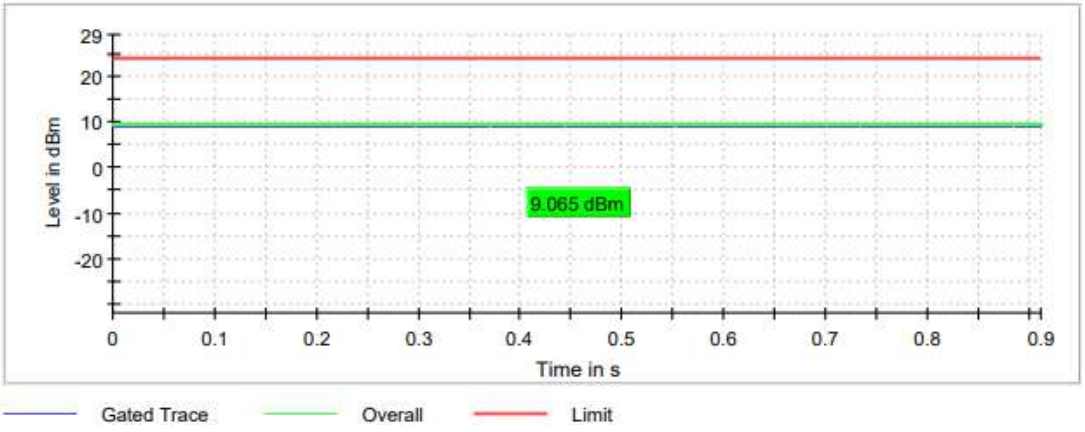
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	9.750	9.065	8.752
Maximum EIRP power (dBm)	6.950	6.265	5.952

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

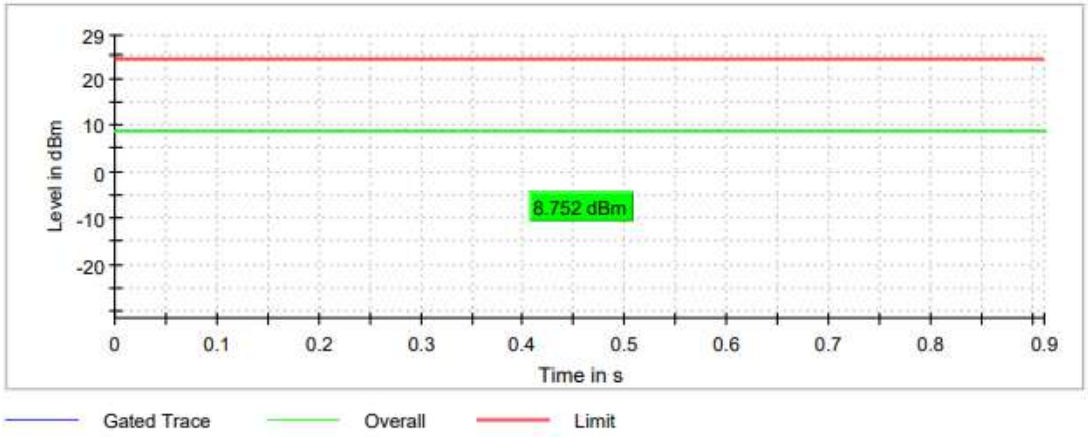


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

Bandwidth: 20 MHz

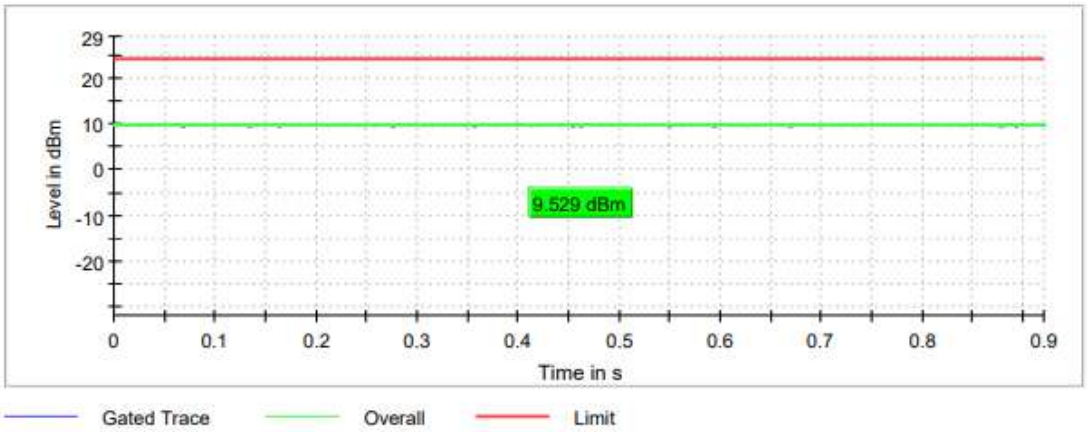
Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	9.529	9.145	8.895
Maximum EIRP power (dBm)	6.729	6.345	6.095

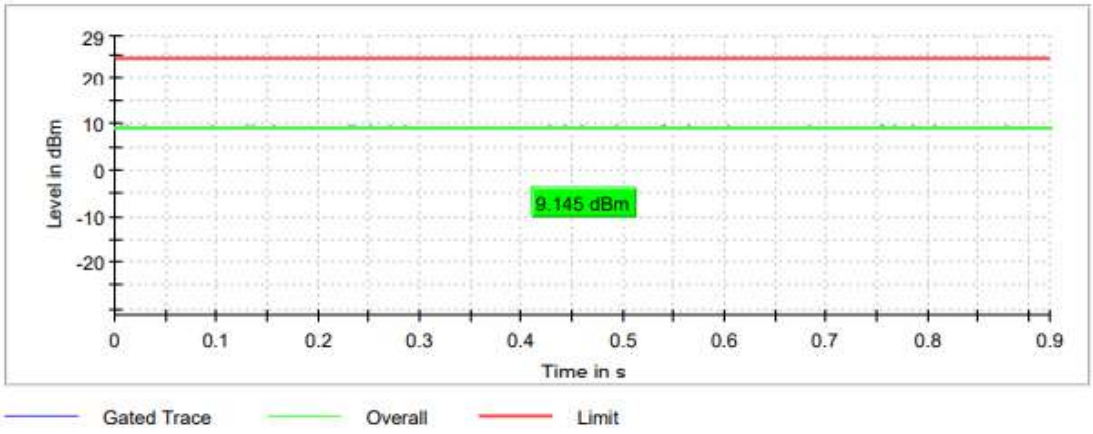
The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

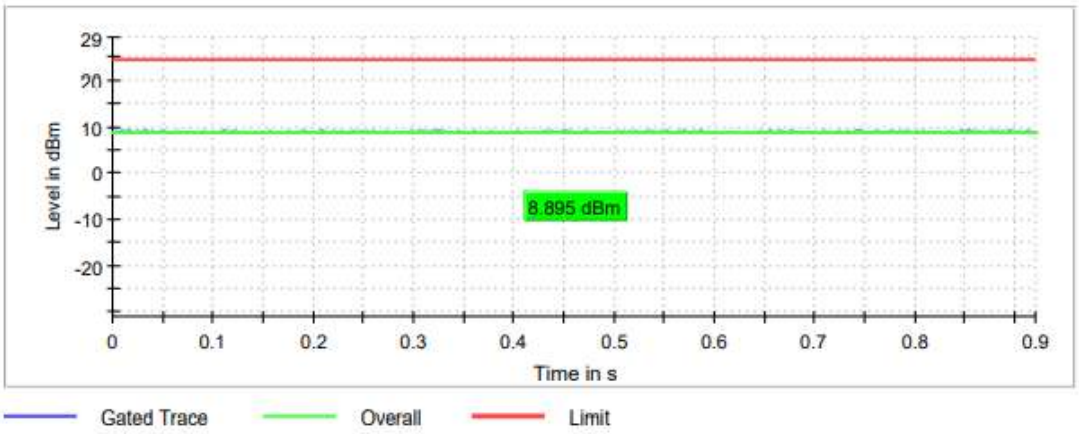
Lowest Channel



Middle Channel



Highest Channel



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

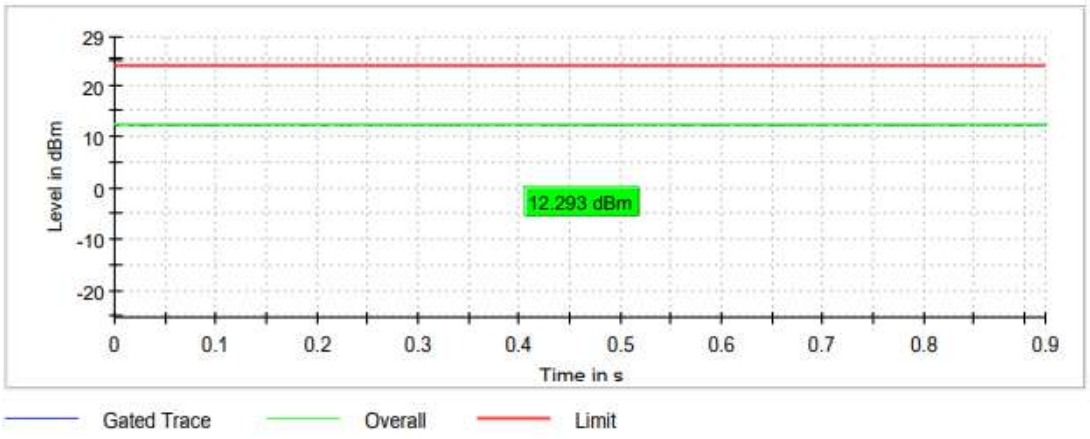
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

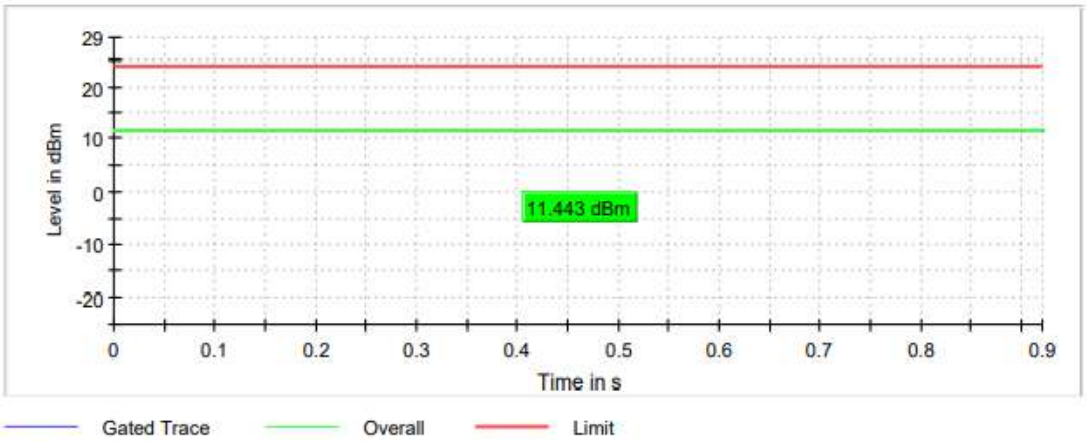
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	12.293	11.443	10.933
Maximum EIRP power (dBm)	9.493	8.643	8.133

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

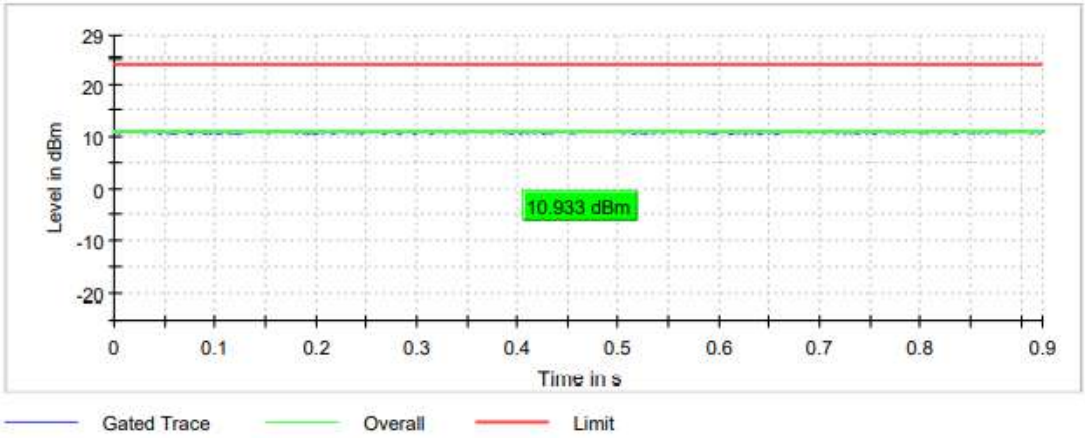


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

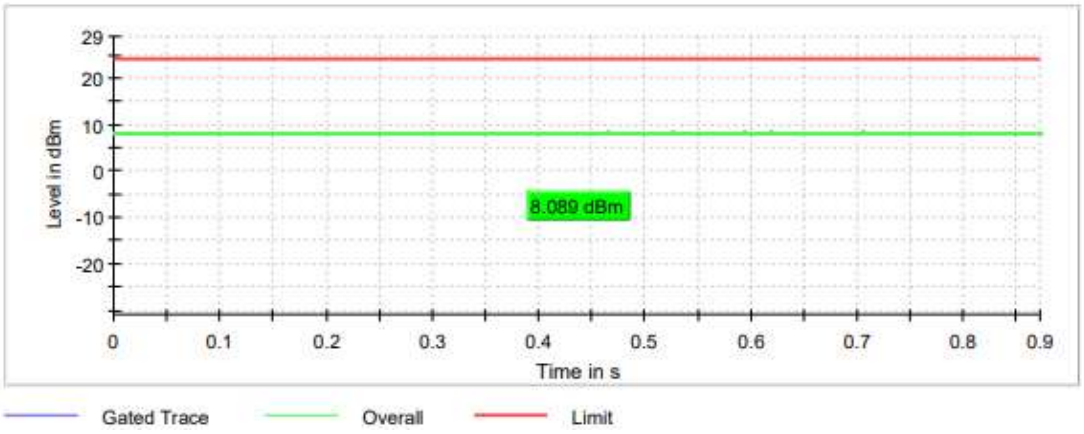
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

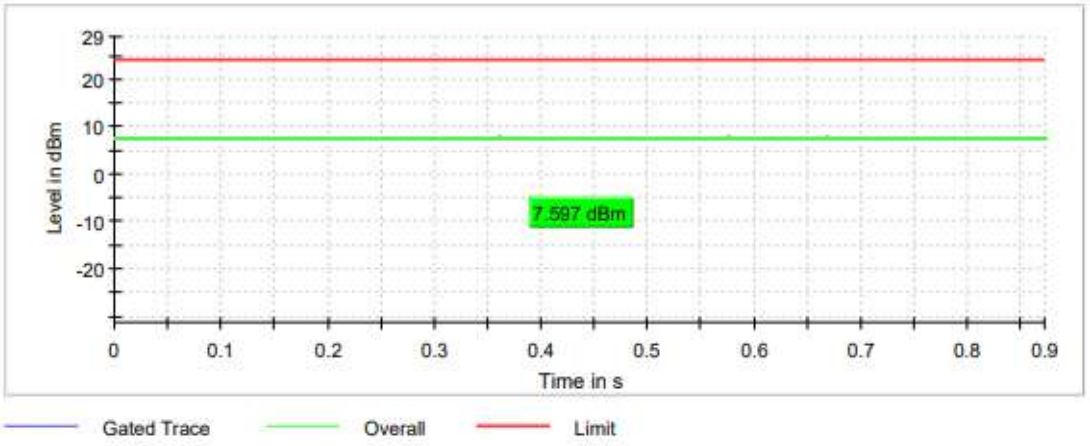
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	8.089	7.597
Maximum EIRP power (dBm)	5.289	4.797

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



Highest Channel



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

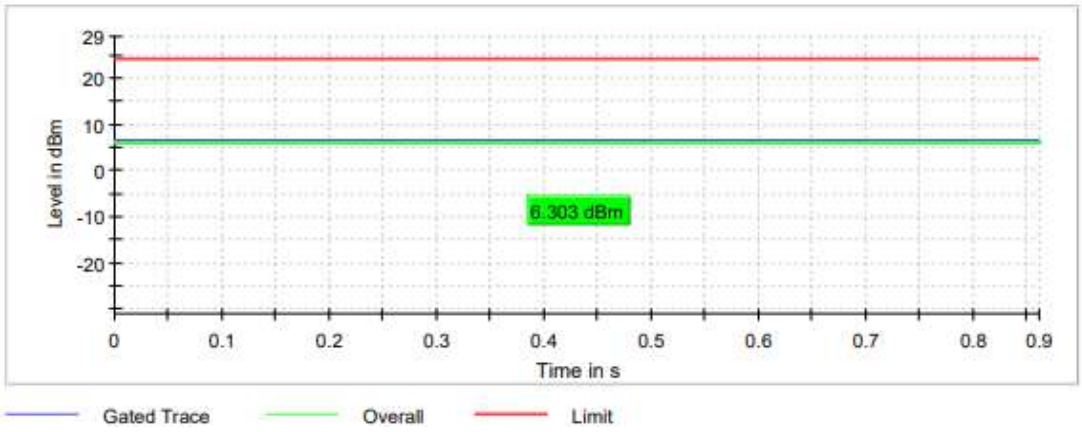
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

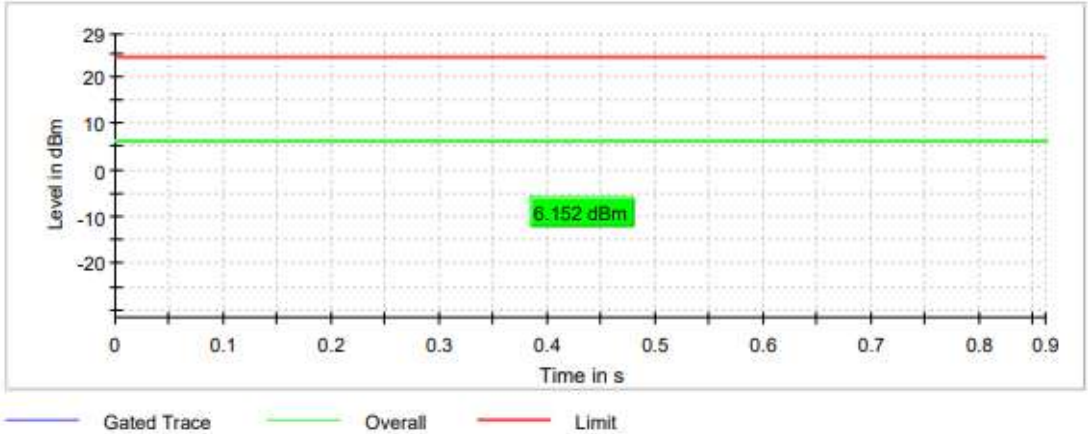
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	6.303	6.152
Maximum EIRP power (dBm)	3.503	3.352

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



Highest Channel



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

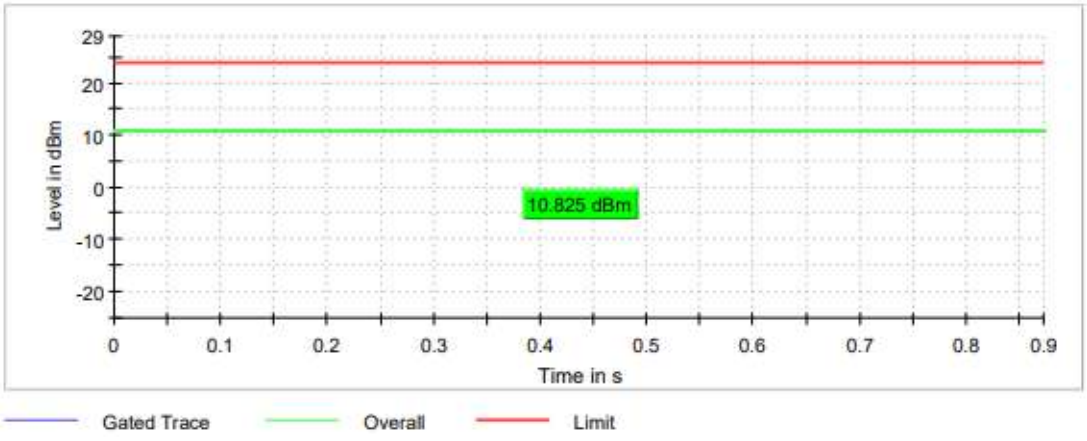
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

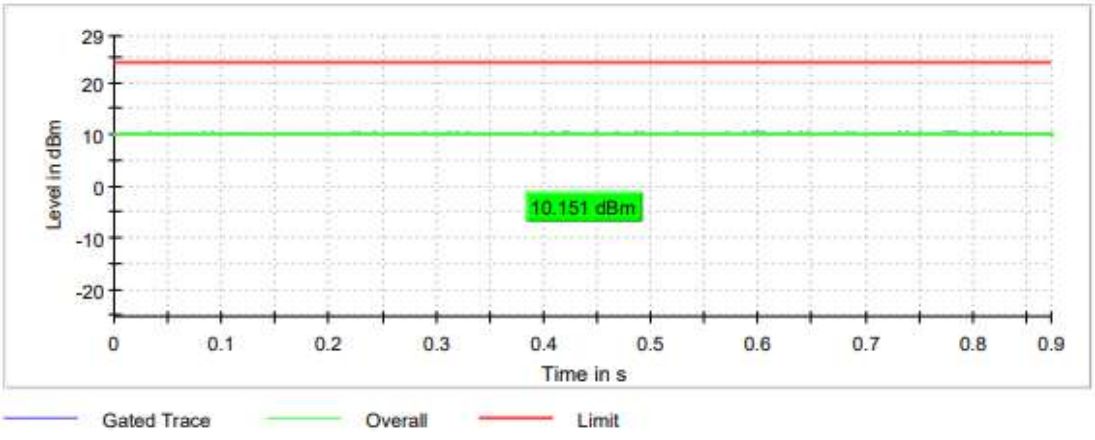
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	10.825	10.151
Maximum EIRP power (dBm)	8.025	7.351

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



Highest Channel



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

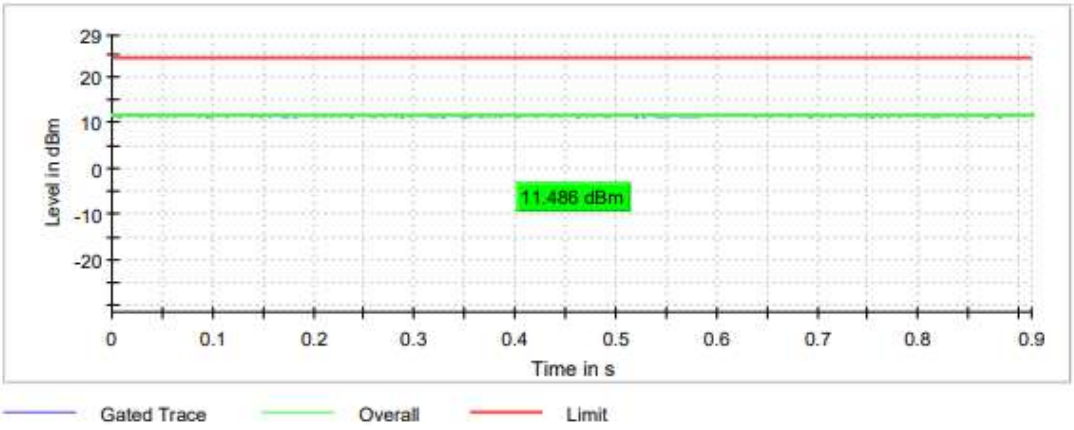
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

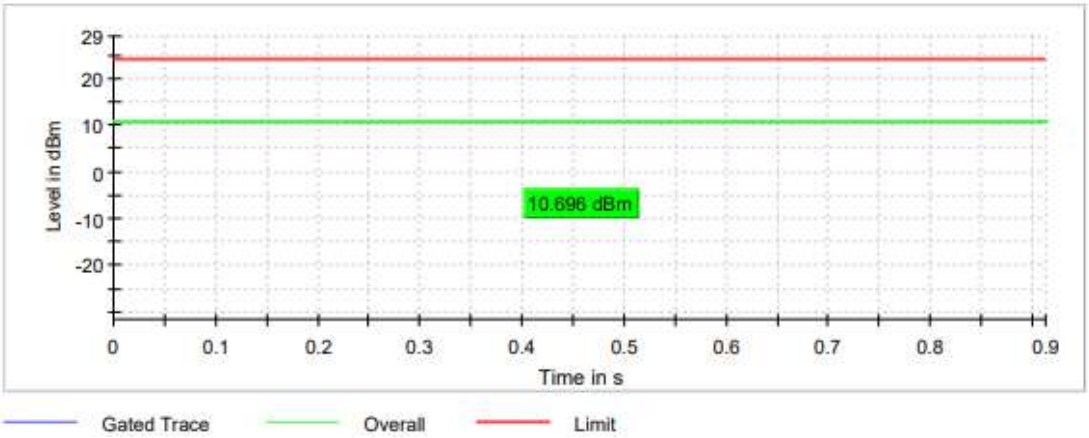
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	11.486	10.696	10.285
Maximum EIRP power (dBm)	8.686	7.896	7.485

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

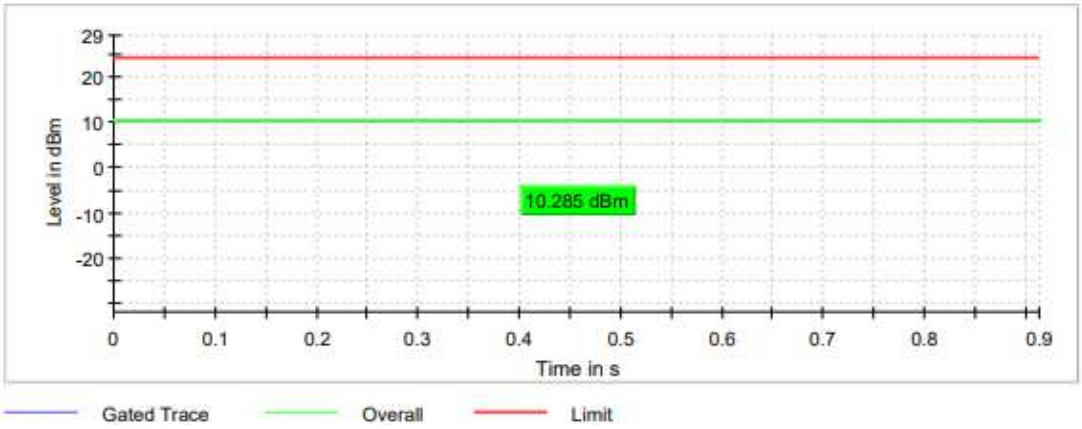


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

Bandwidth: 20 MHz

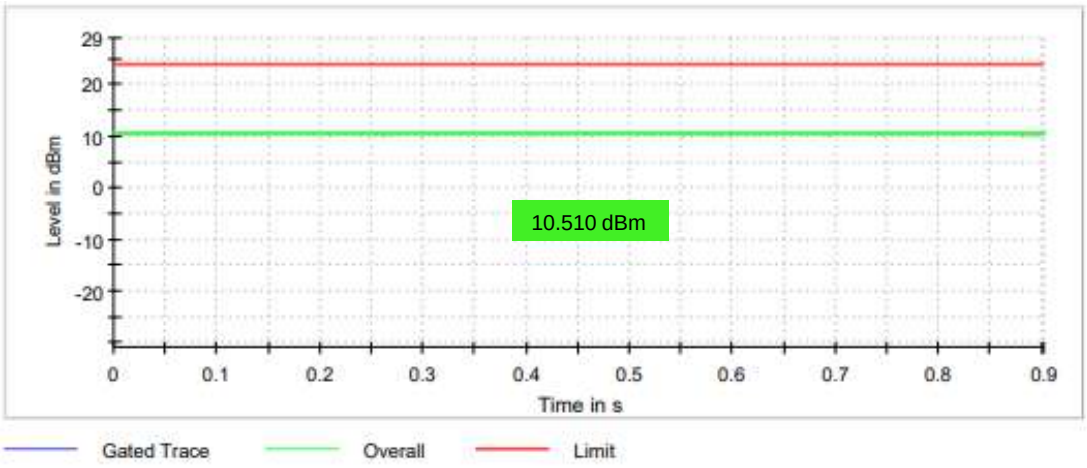
Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	10.510	10.129	9.904
Maximum EIRP power (dBm)	7.710	7.329	7.104

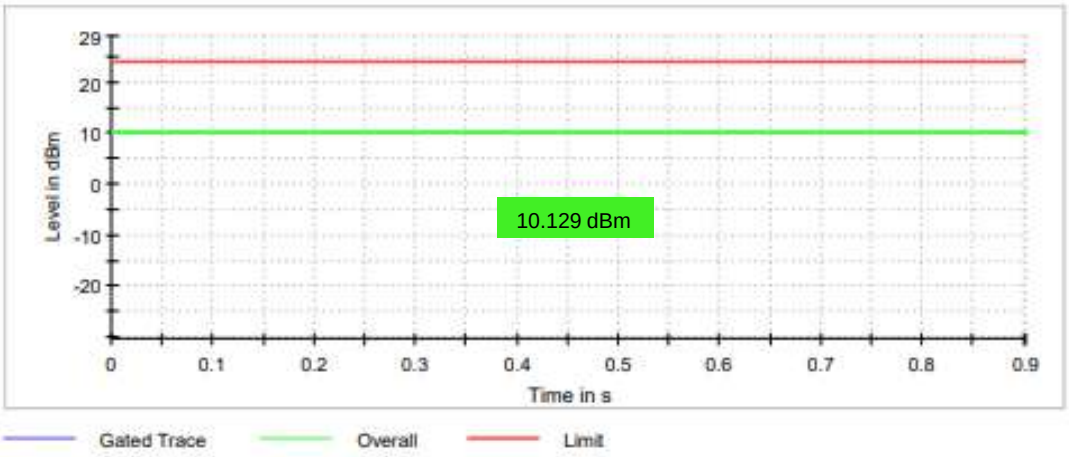
The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

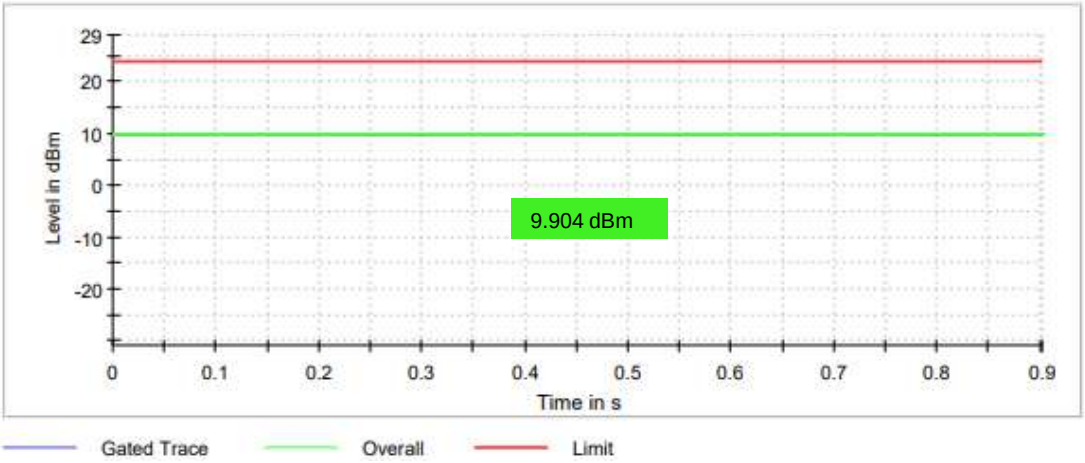
Lowest Channel



Middle Channel



Highest Channel



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

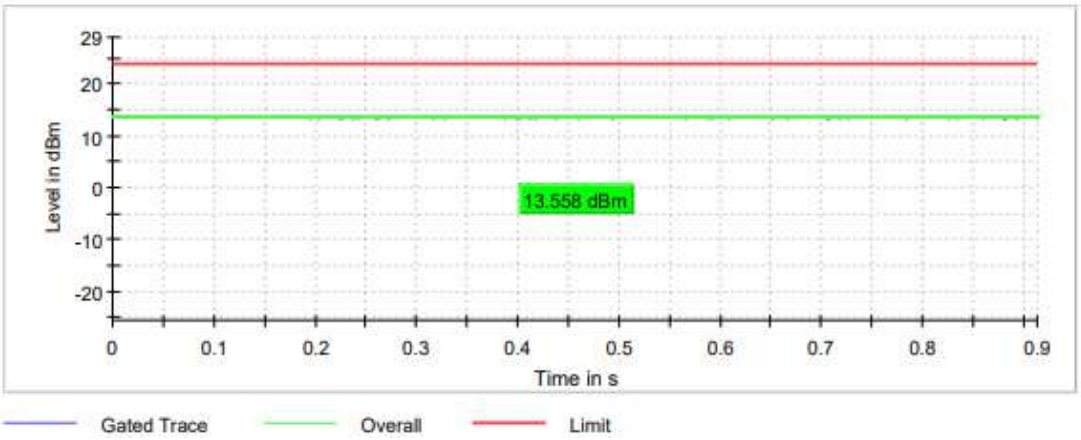
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

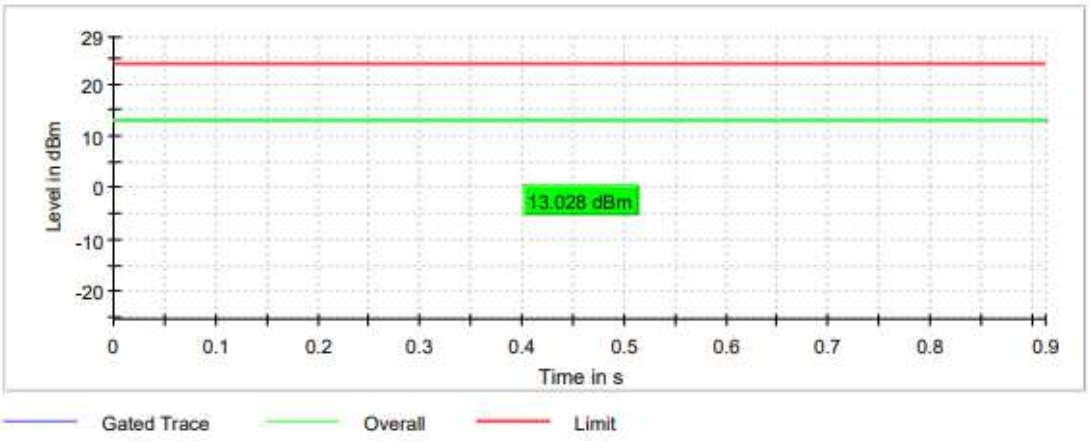
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	13.558	13.028	12.653
Maximum EIRP power (dBm)	10.758	10.228	9.853

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

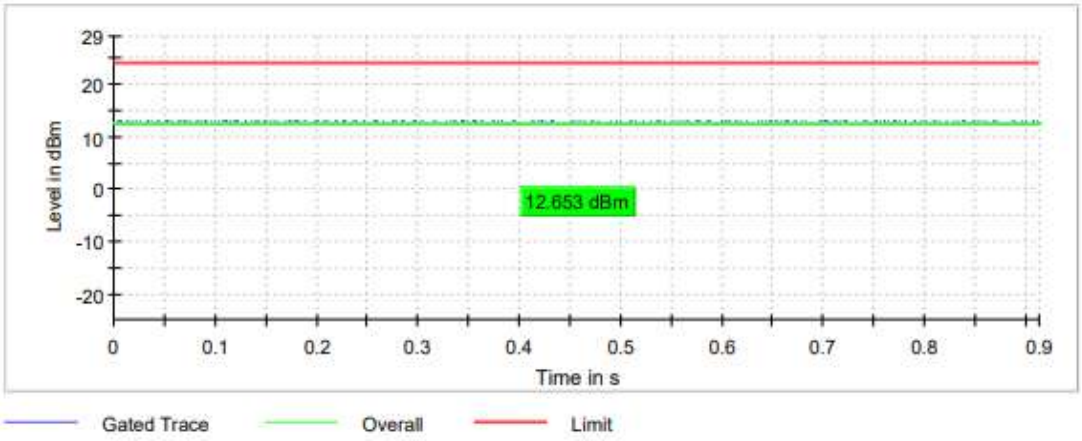


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

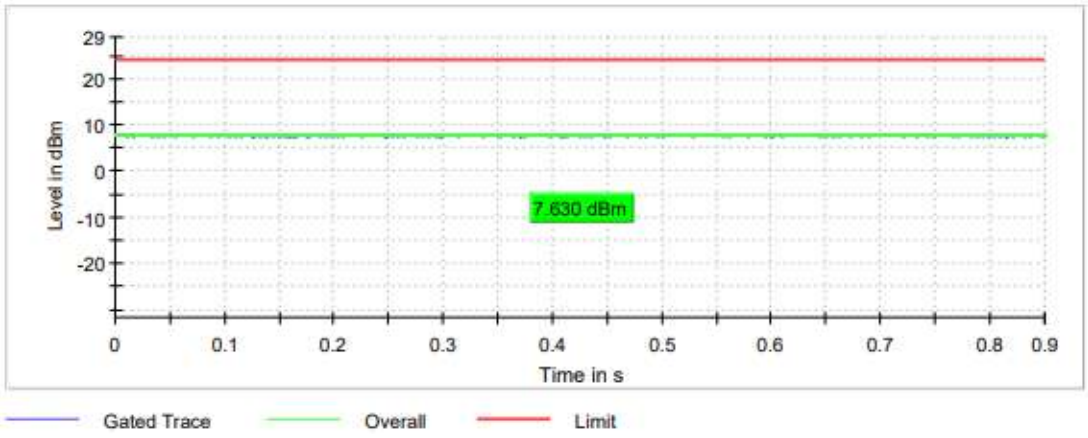
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

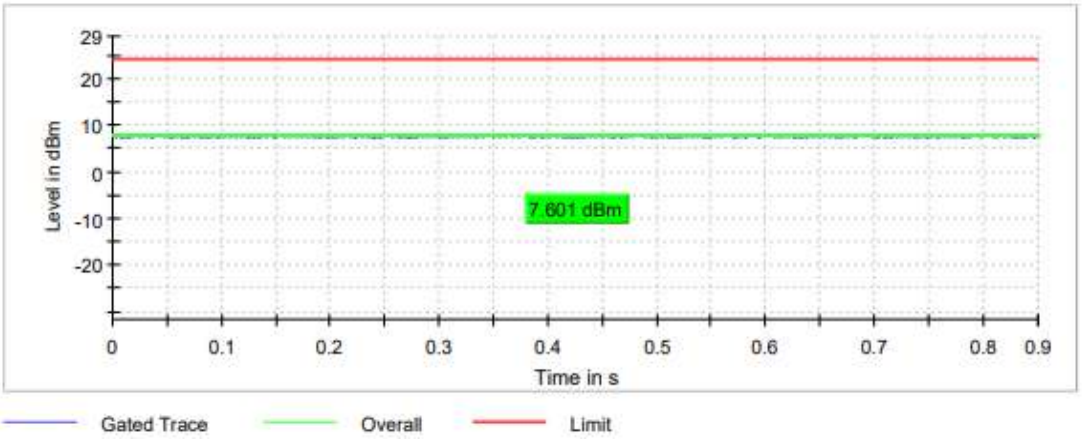
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	7.630	7.601
Maximum EIRP power (dBm)	4.830	4.801

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



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (ac mode SISO Radio B)
TEST RESULTS:	PASS

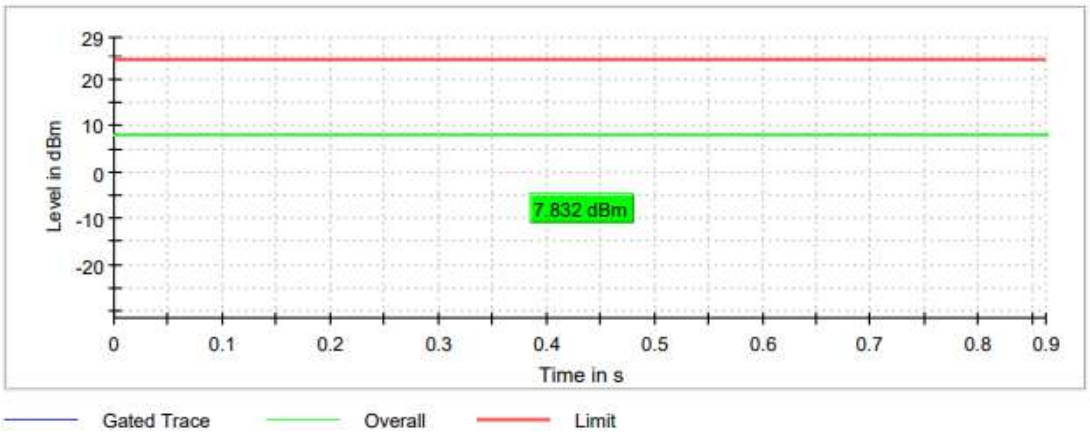
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

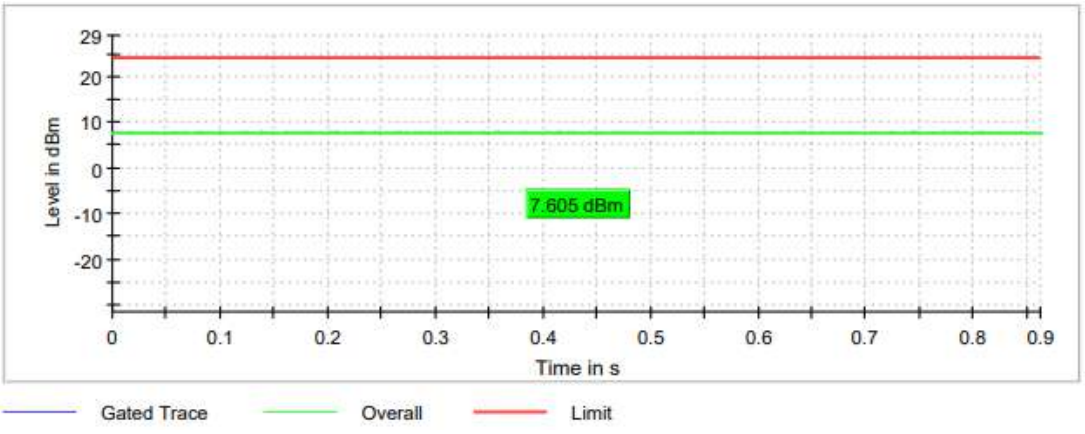
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	7.832	7.605
Maximum EIRP power (dBm)	5.032	4.805

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



Highest Channel



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

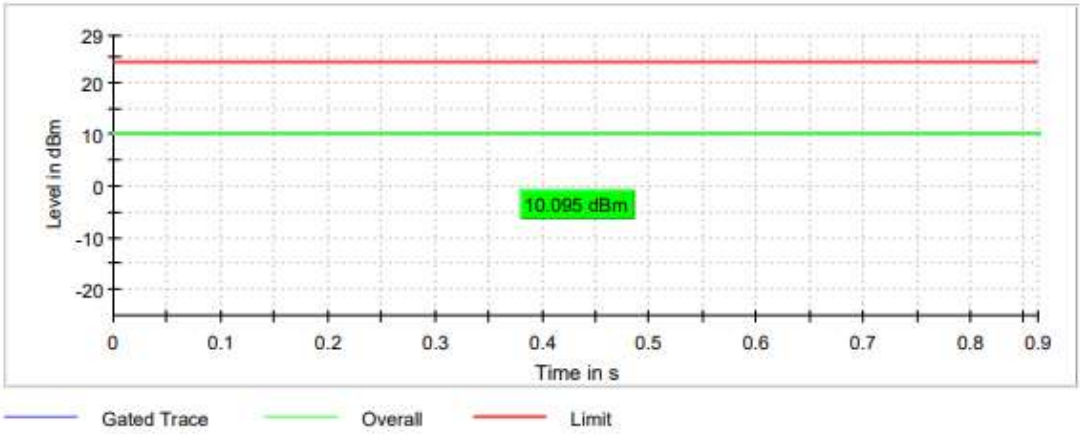
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

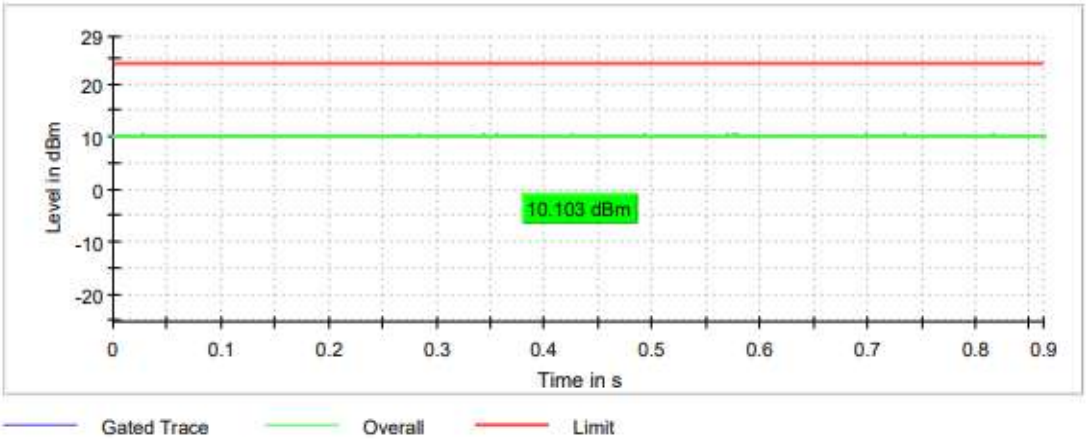
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	10.095	10.103
Maximum EIRP power (dBm)	7.295	7.303

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



Highest Channel



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

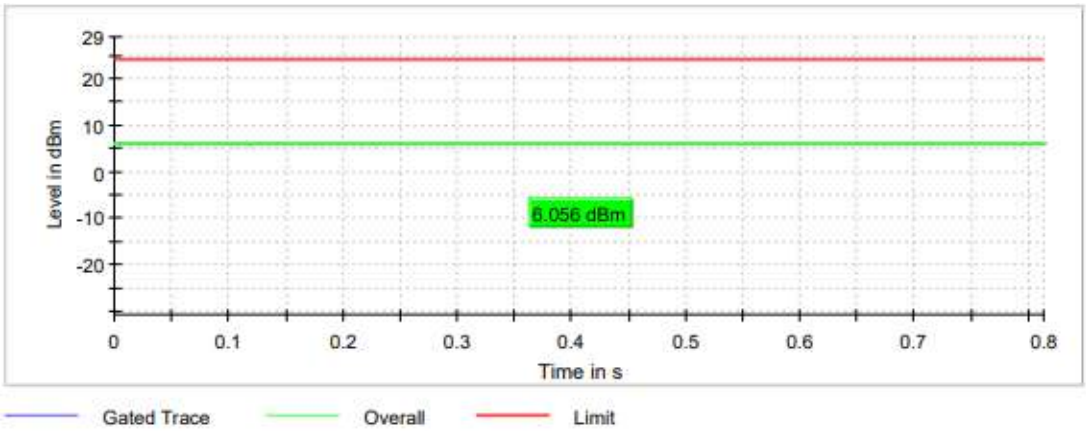
Bandwidth: 80 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	6.056
Maximum EIRP power (dBm)	3.256

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



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

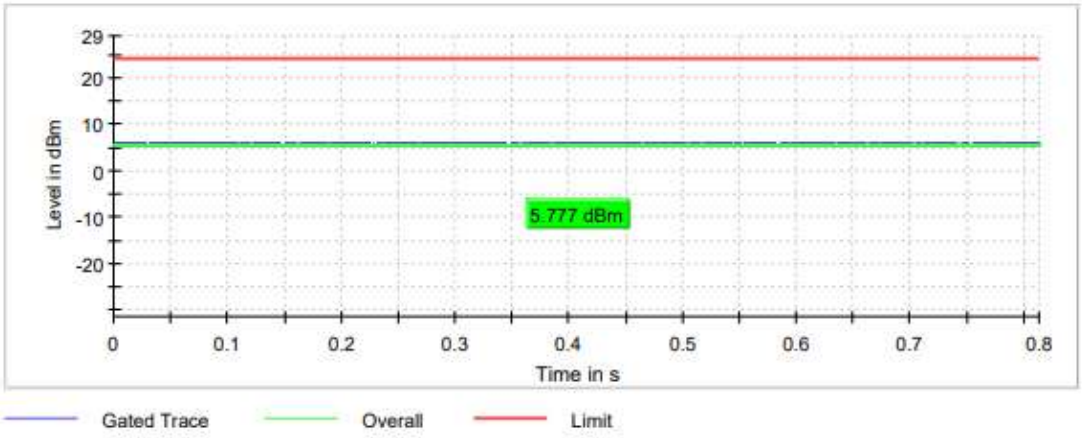
Bandwidth: 80 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	5.777
Maximum EIRP power (dBm)	2.977

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



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

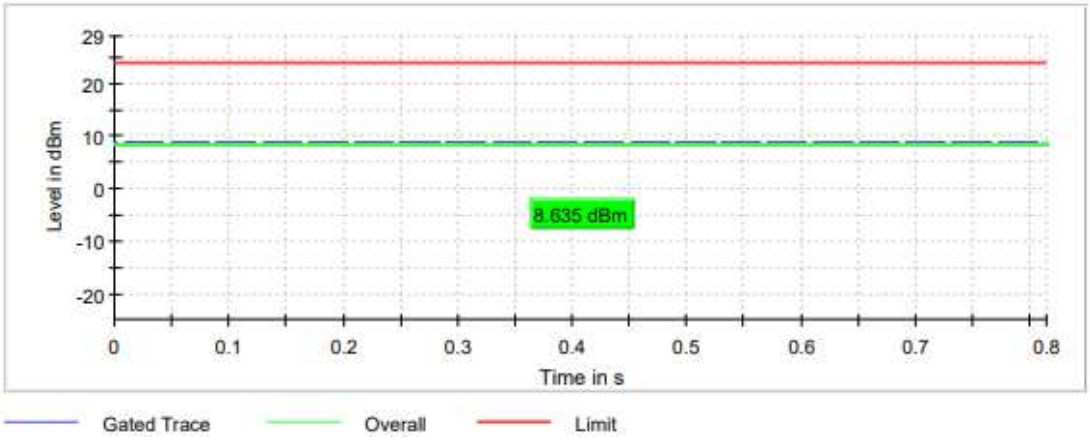
Bandwidth: 80 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	8.635
Maximum EIRP power (dBm)	5.835

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



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

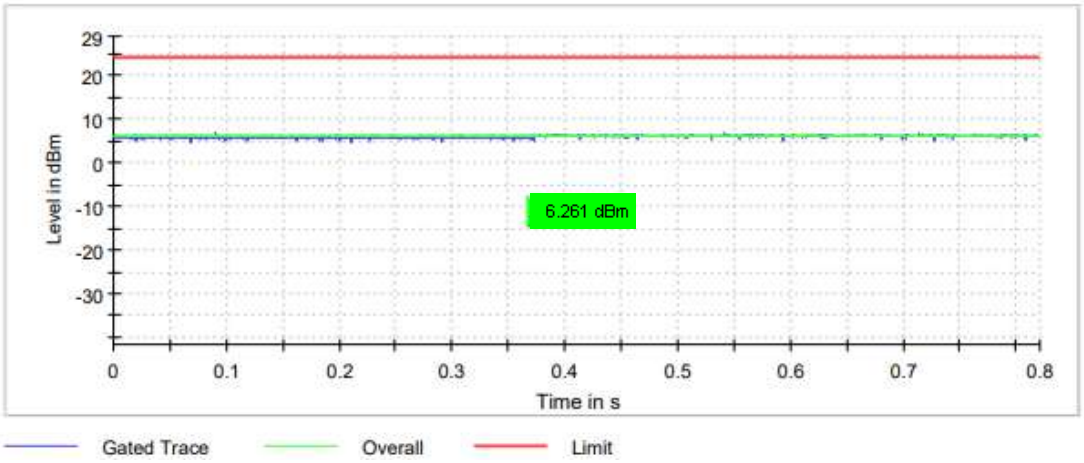
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

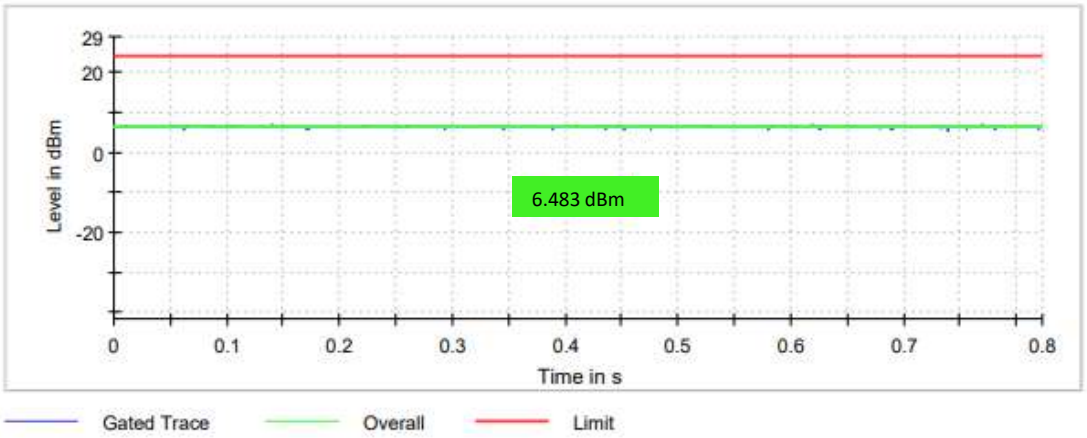
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	6.261	6.483	6.119
Maximum EIRP power (dBm)	3.461	3.683	3.319

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

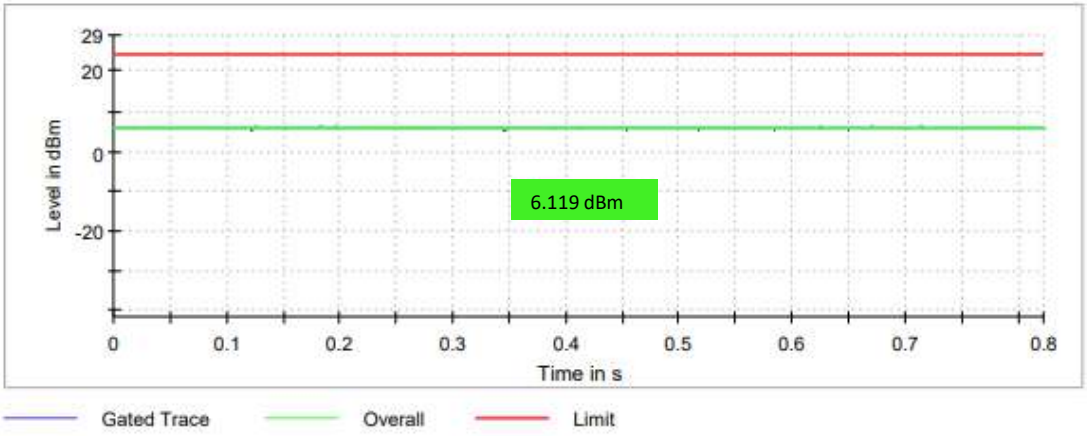


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

Bandwidth: 20 MHz

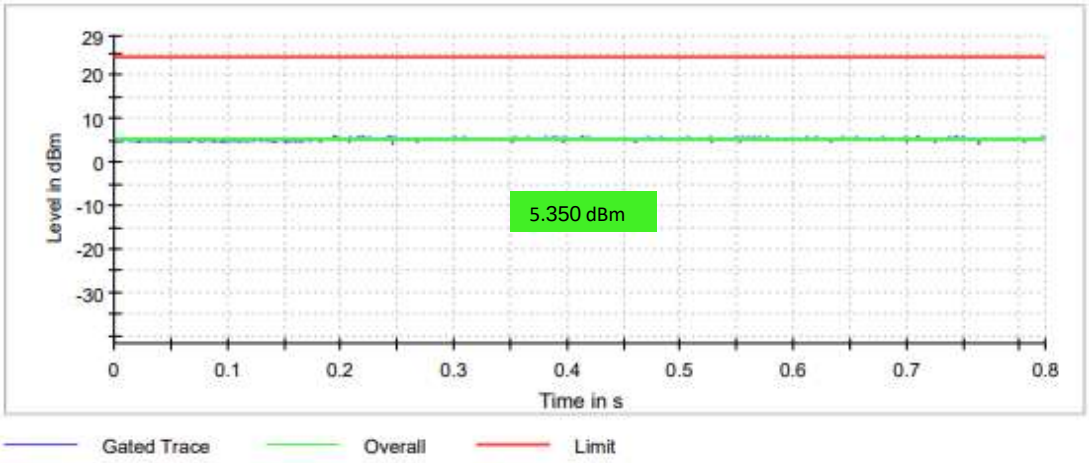
Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	5.350	5.320	4.573
Maximum EIRP power (dBm)	2.550	2.520	1.773

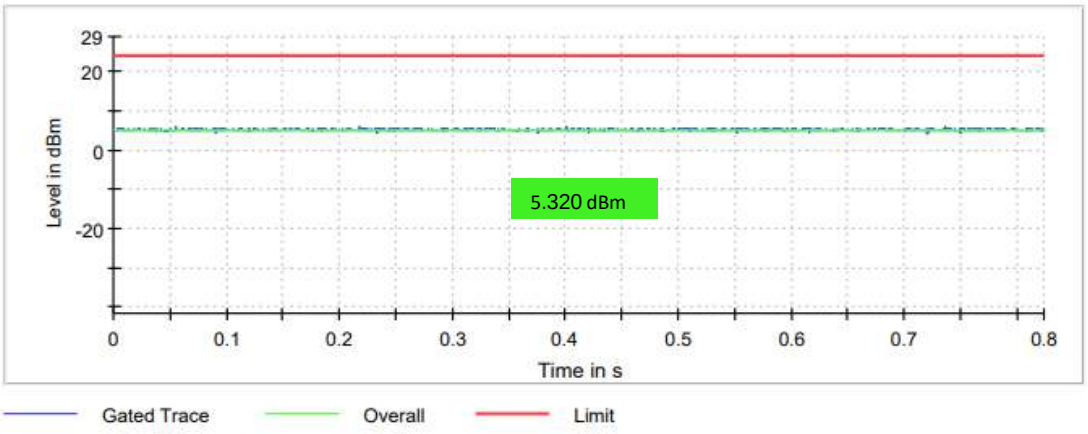
The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

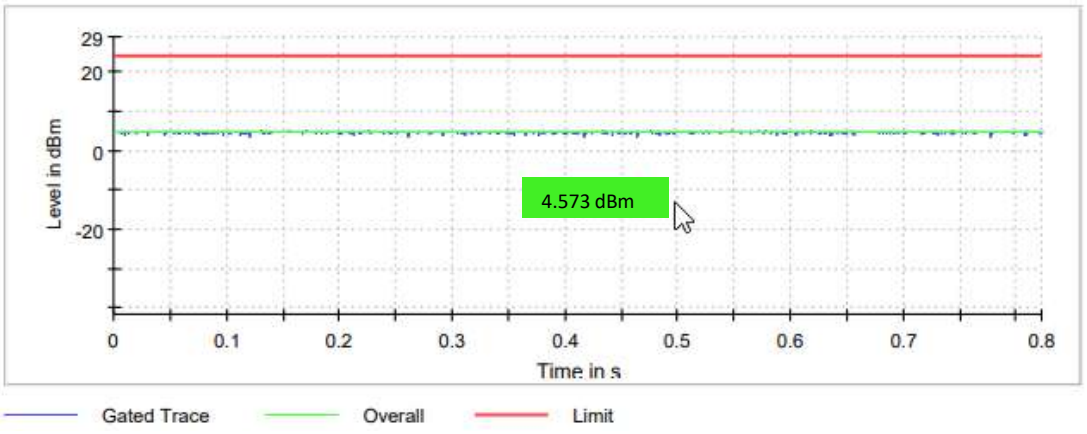
Lowest Channel



Middle Channel



Highest Channel



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

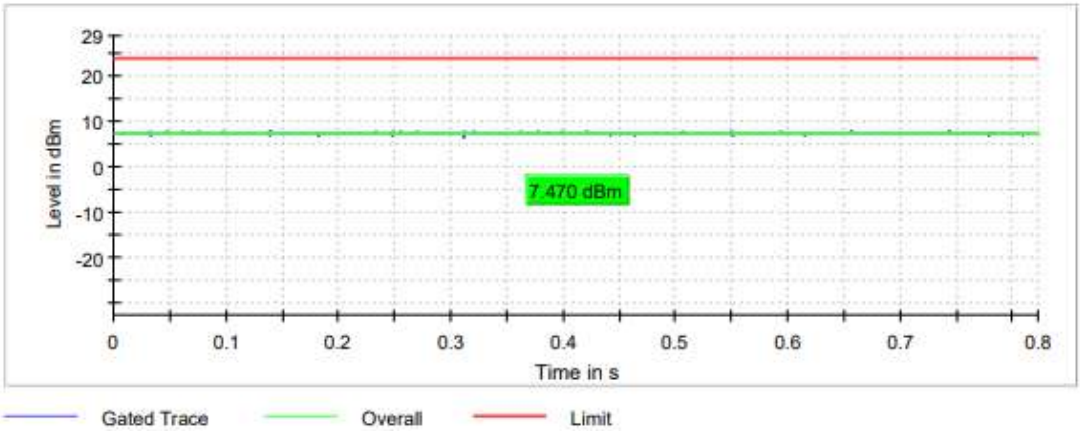
Bandwidth: 20 MHz

Maximum declared antenna gain: -2.8 dBi

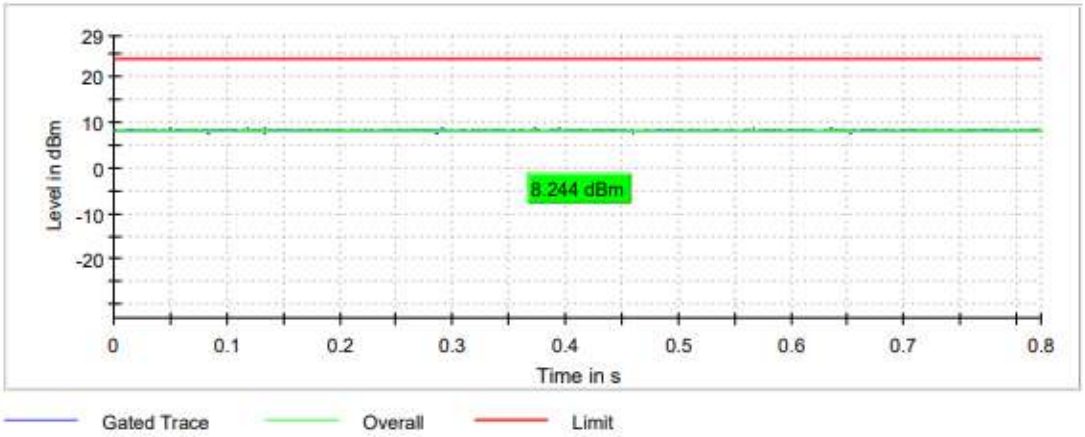
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	7.470	8.244	8.562
Maximum EIRP power (dBm)	4.670	5.444	5.762

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

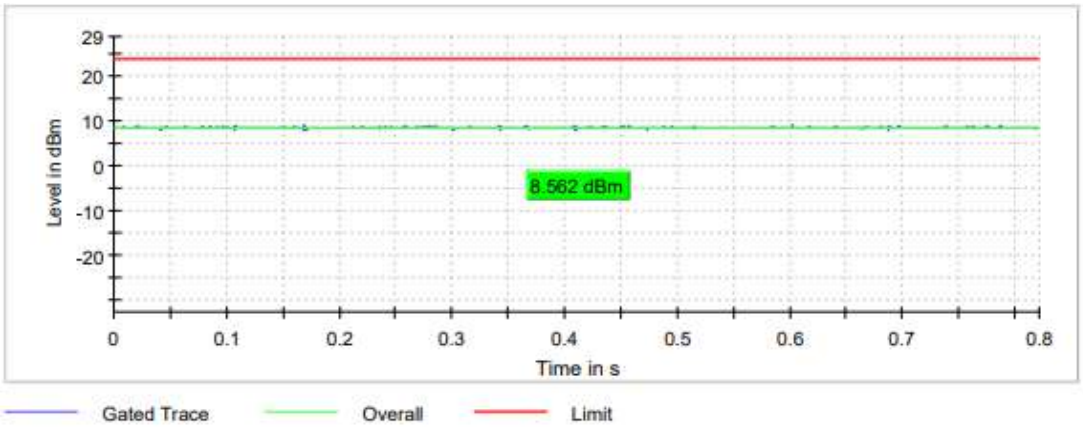


Middle Channel



TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER

Highest Channel



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

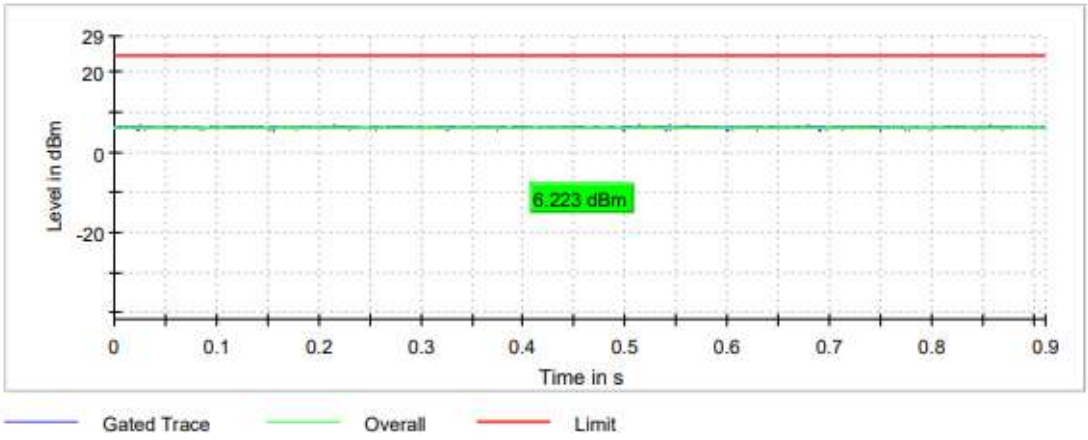
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

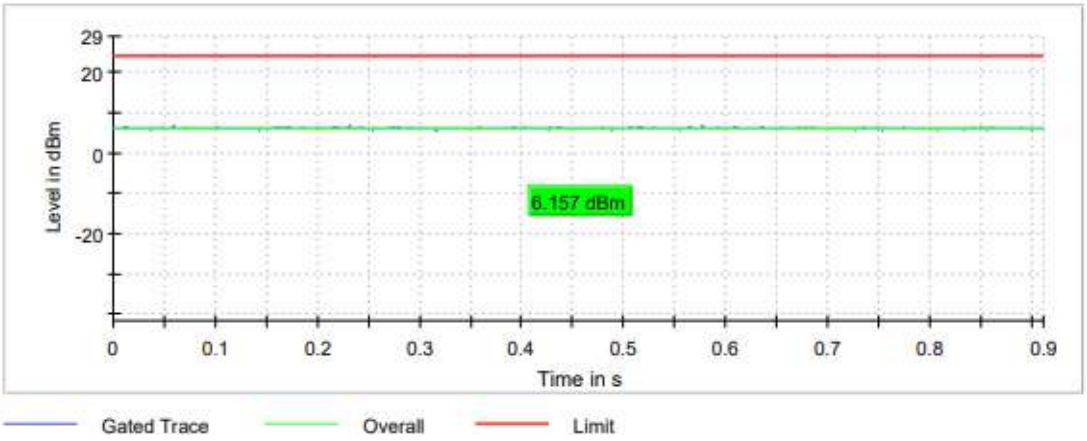
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	6.223	6.157
Maximum EIRP power (dBm)	3.423	3.357

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



Highest Channel



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

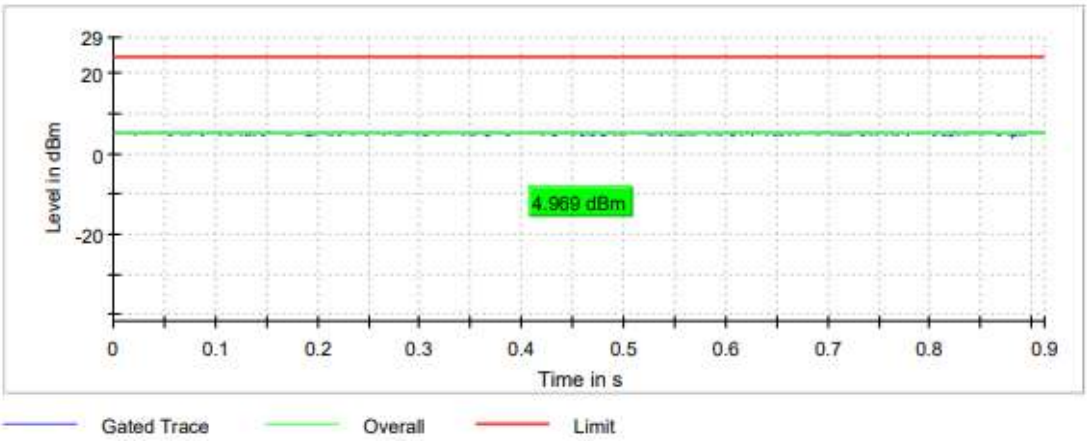
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

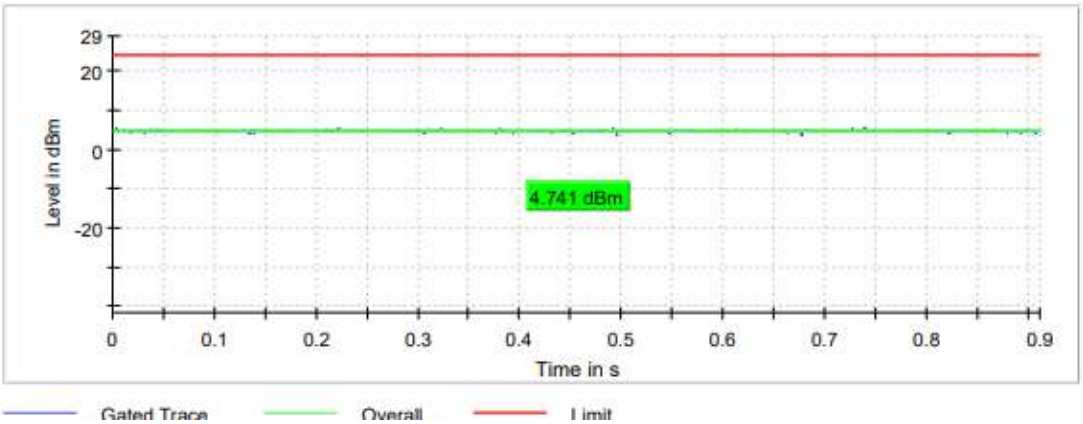
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	4.969	4.741
Maximum EIRP power (dBm)	2.169	1.941

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



Highest Channel



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

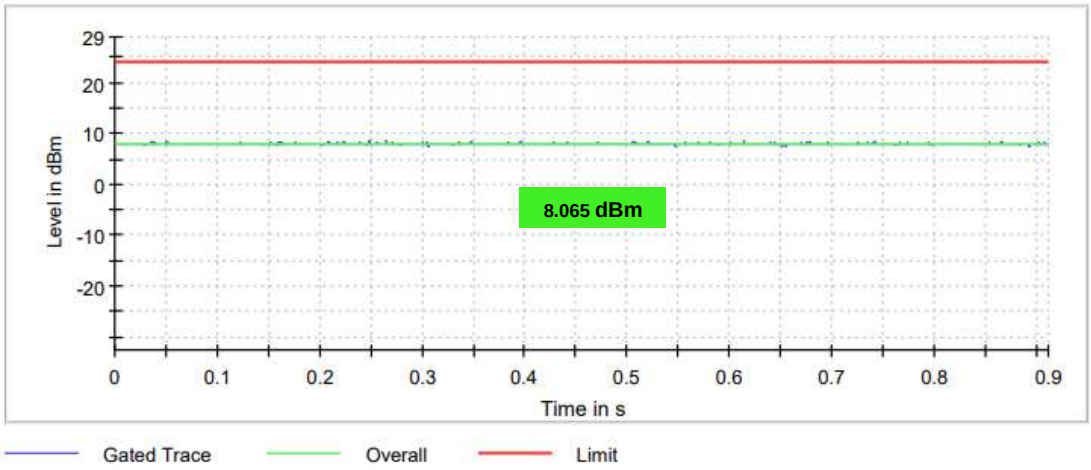
Bandwidth: 40 MHz

Maximum declared antenna gain: -2.8 dBi

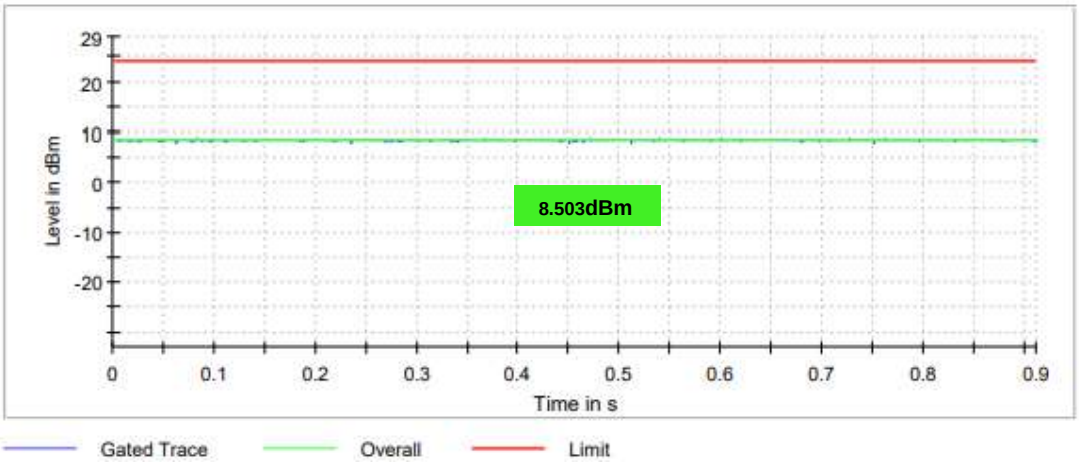
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	8.065	8.503
Maximum EIRP power (dBm)	5.265	5.703

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



Highest Channel



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

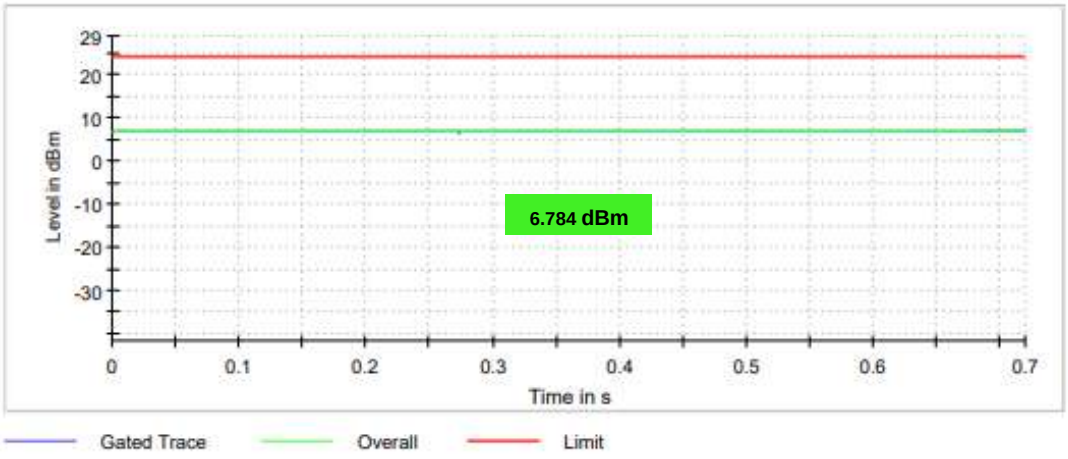
Bandwidth: 80 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	6.784
Maximum EIRP power (dBm)	3.984

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



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

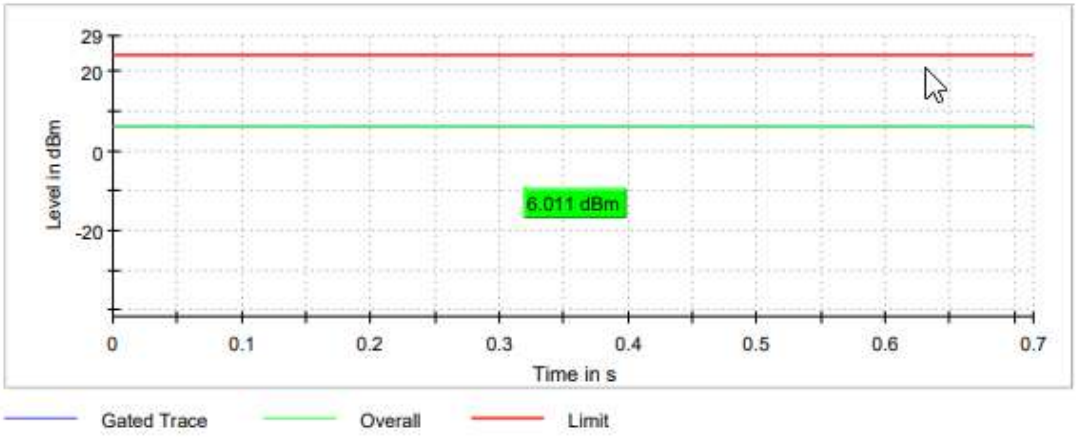
Bandwidth: 80 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	6.011
Maximum EIRP power (dBm)	3.211

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



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

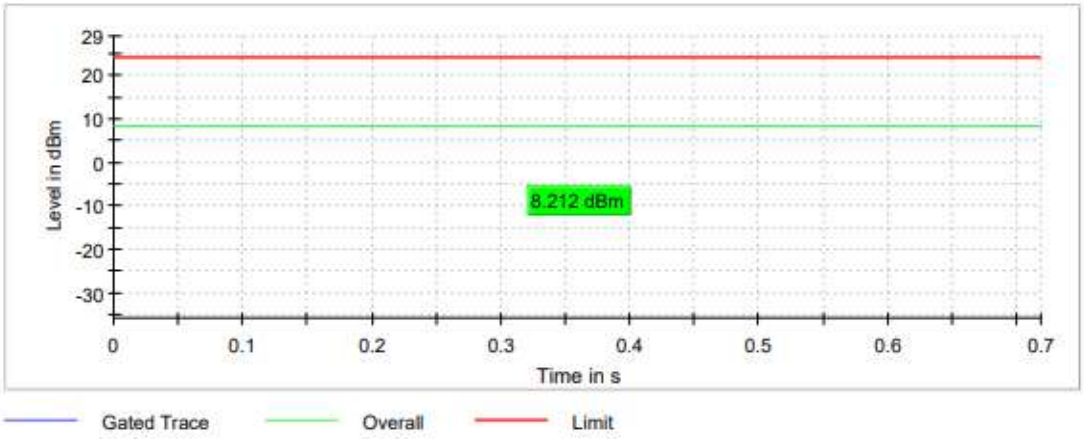
Bandwidth: 80 MHz

Maximum declared antenna gain: -2.8 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	8.212
Maximum EIRP power (dBm)	5.412

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



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac mode Beam forming)
TEST RESULTS:	PASS

Bandwidth: 20 MHz

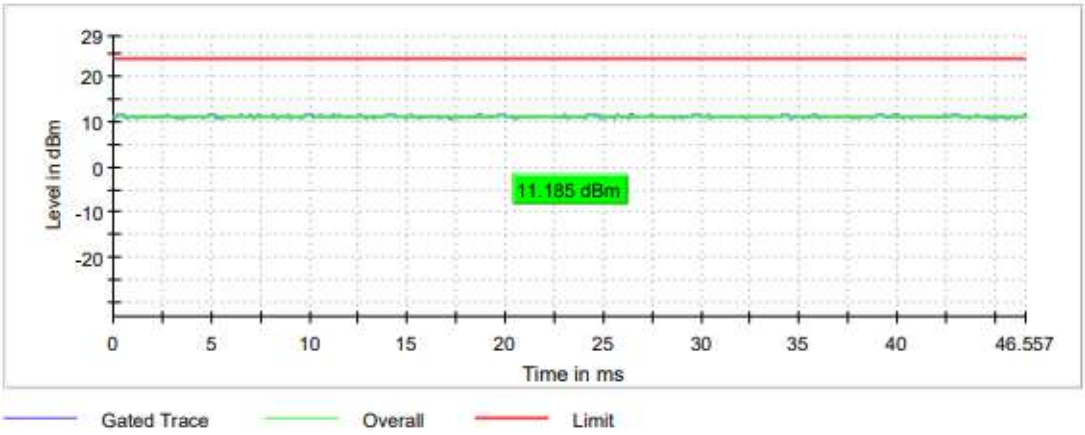
Maximum declared antenna gain: -2.8 dBi

Directional Gain: +0.2 dBi

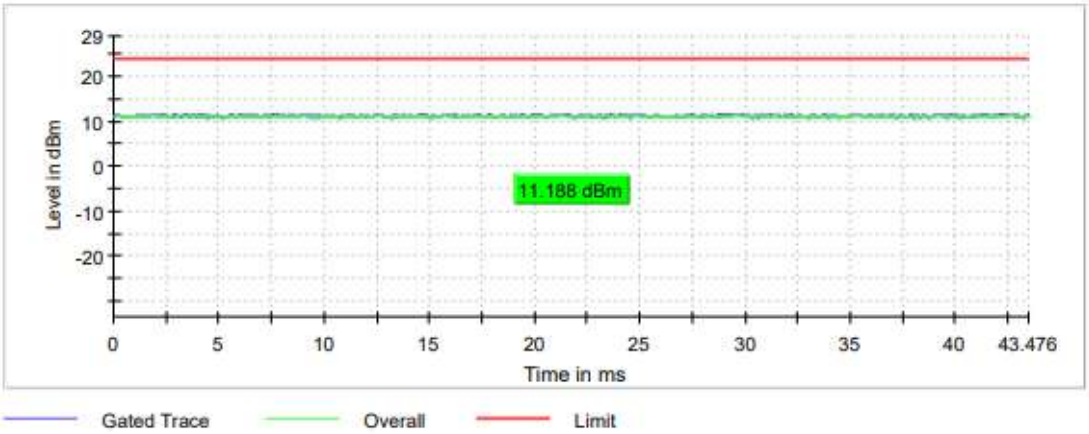
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Maximum conducted power (dBm)	11.185	11.188	9.881
Maximum EIRP power (dBm)	11.385	11.388	10.081

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

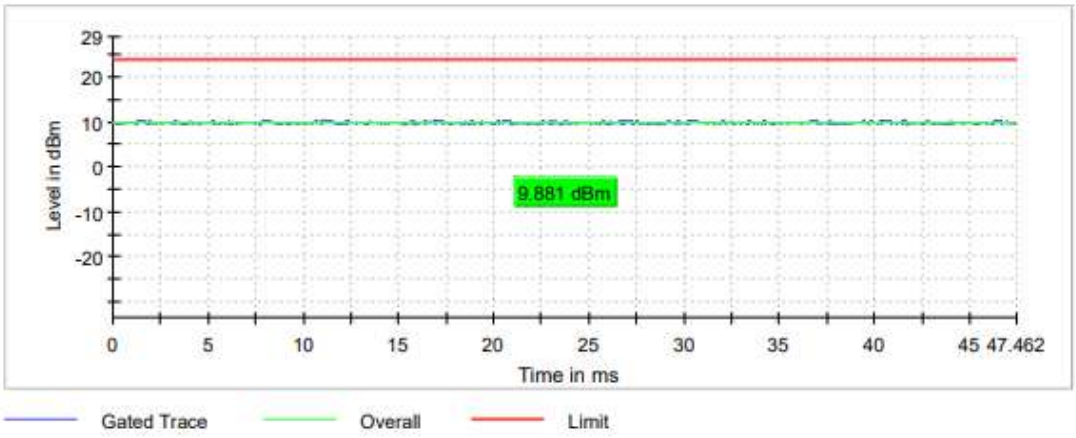


Middle Channel



TEST RESULTS (Cont.):	

High Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac mode Beam forming)
TEST RESULTS:	PASS

Bandwidth: 40 MHz

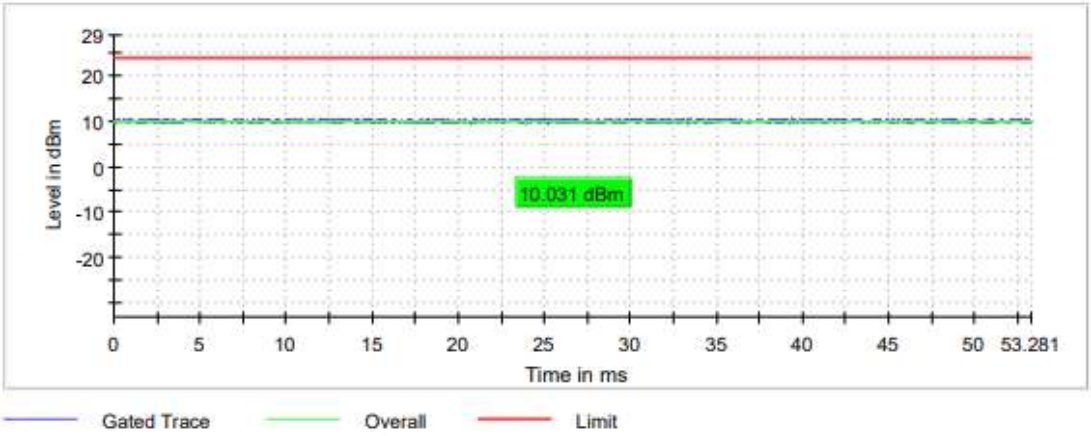
Maximum declared antenna gain: -2.8 dBi

Directional Gain: +0.2 dBi

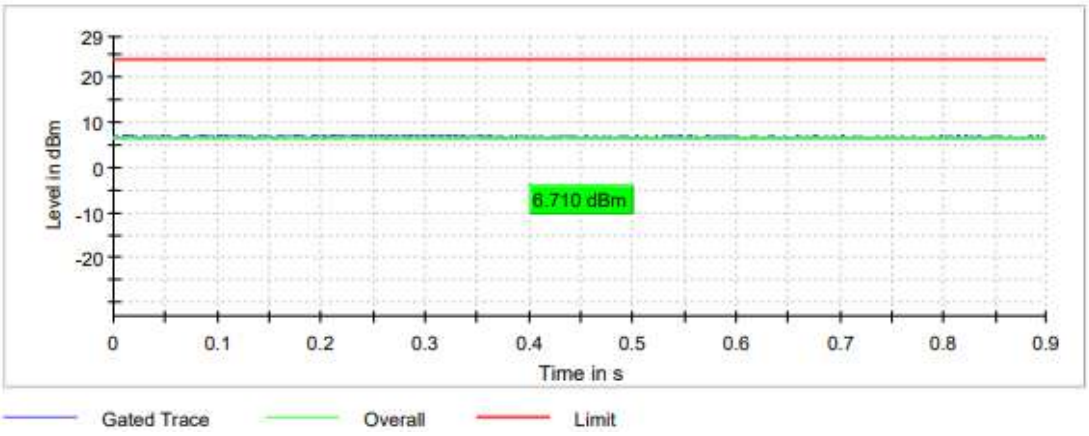
	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Maximum conducted power (dBm)	10.031	6.710
Maximum EIRP power (dBm)	10.231	6.910

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



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac mode Beam forming)
TEST RESULTS:	PASS

Bandwidth: 80 MHz

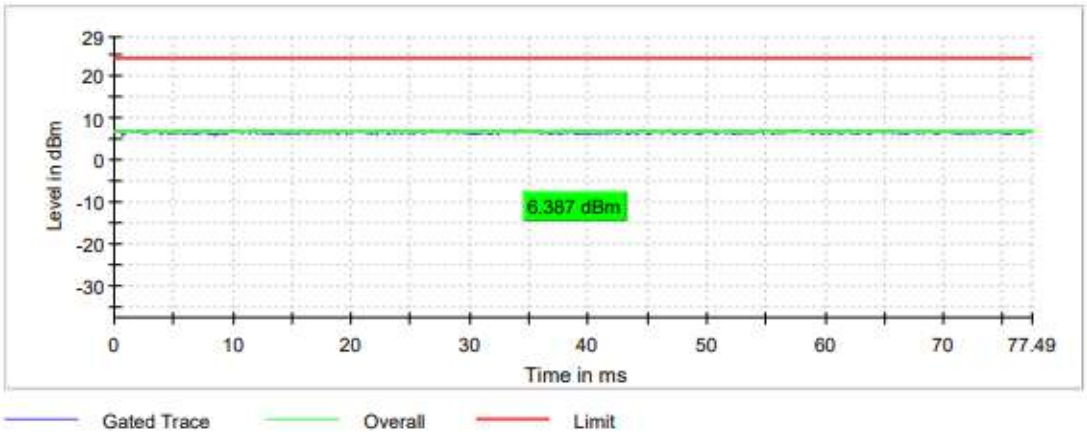
Maximum declared antenna gain: -2.8 dBi

Directional Gain: +0.2 dBi

	Lowest frequency 5290 MHz
Maximum conducted power (dBm)	6.387
Maximum EIRP power (dBm)	6.587

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



SECTION C.3: POWER SPECTRAL DENSITY

LIMITS:	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.

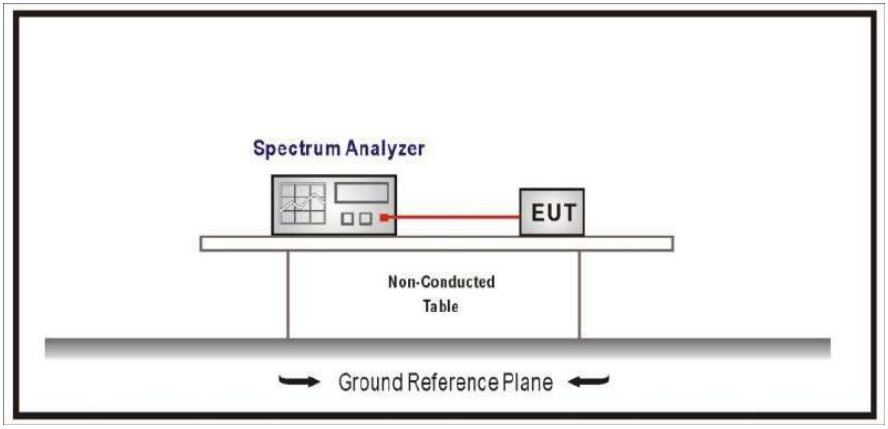
Note: The following test results are shown based on KDB 662911 D01 Multiple Transmitter Output v02r01 E) 3) a) (ii) Measure and sum spectral maxima across the outputs as described in section E)2)b).

1- For 2Tx CDD MIMO modes, in accordance with KDB 662911 D01 v02r01 Section F)2)f)i), directional gain was calculated as follows:

• For power spectral density (PSD) measurements:

Directional gain $_{PSD}$ = G_{ANT} + 10 log(N_{ANT}/N_{SS}) dBi
N_{SS} = 1 (worst case), N_{ANT} = 2, G_{ANT} = -2.8 dBi
Directional gain $_{PSD}$ = -2.8 + 10 log(2/1) = -2.8 + 10log(2) = -2.8 + 3 = + 0.2 dBi
PSD Antenna Gain MIMO Chain 0 & 1: + 0.2 dBi

For MIMO CDD operation modes, the limit should be reduced by the amount in dB the antenna gain exceeds 6 dBi. In this case the limit is not reduced due to the antenna gain calculations is +0.2dBi.



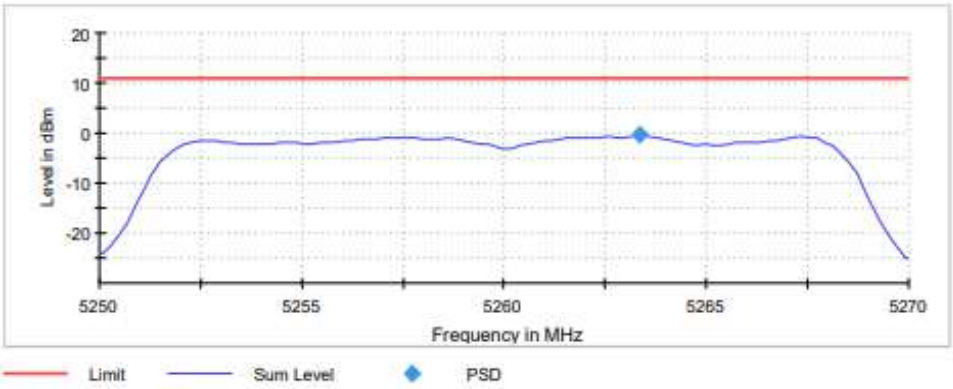
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 **(**a mode SISO Radio A)
TEST RESULTS:	PASS

Bandwidth: 20 MHz

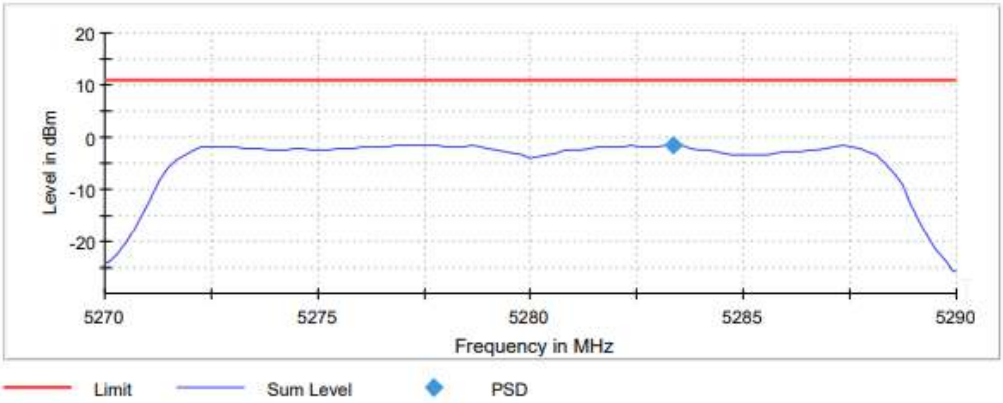
	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	-0.423	-1.427	-1.573

TEST RESULTS (Cont.):	

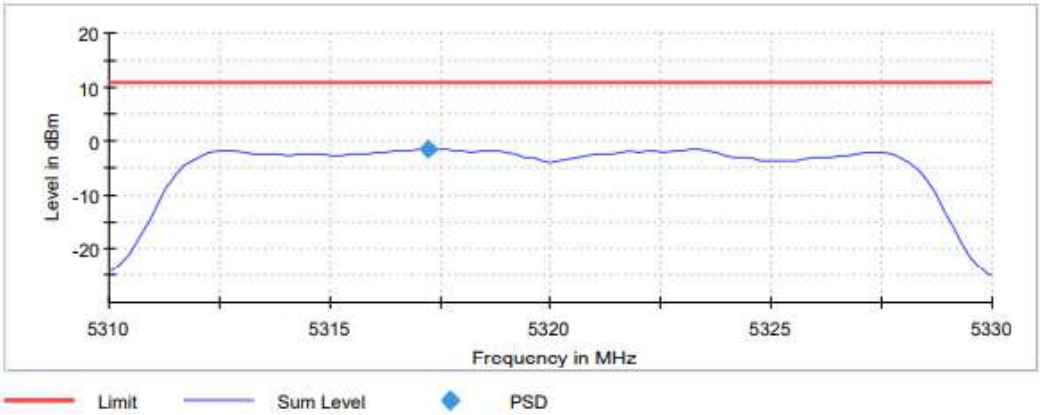
Low Channel



Middle Channel



High Channel



TEST RESULTS (Cont.):	

Measurement

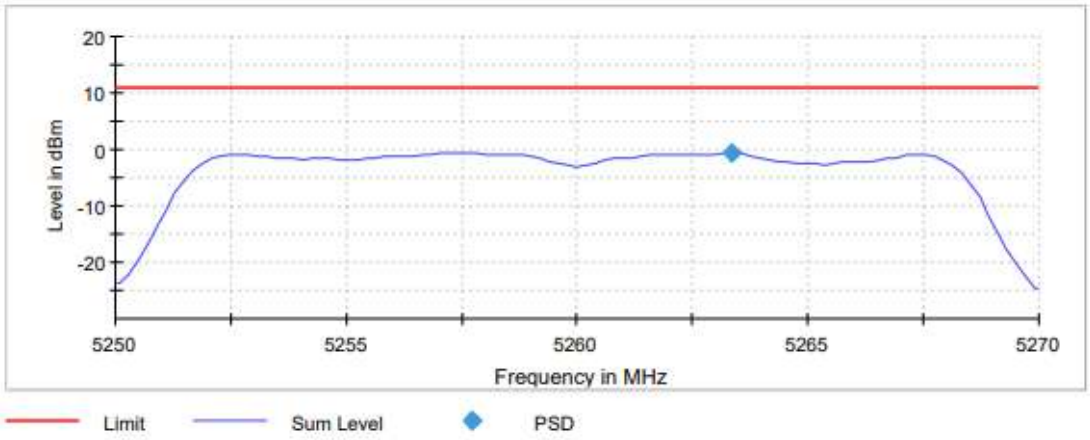
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.32000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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	11 / max. 15	15 / max. 15
Stable	0 / 3	3 / 3	3 / 3
Max Stable Difference	1.31 dB	0.00 dB	0.00 dB

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

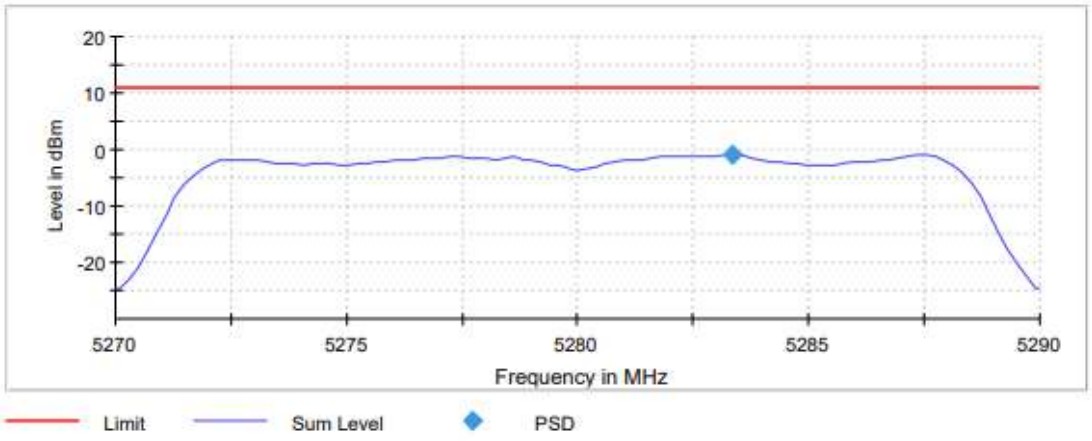
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320MHz
Power spectral density (dBm)	-0.568	-0.887	-1.222

Lowest Channel

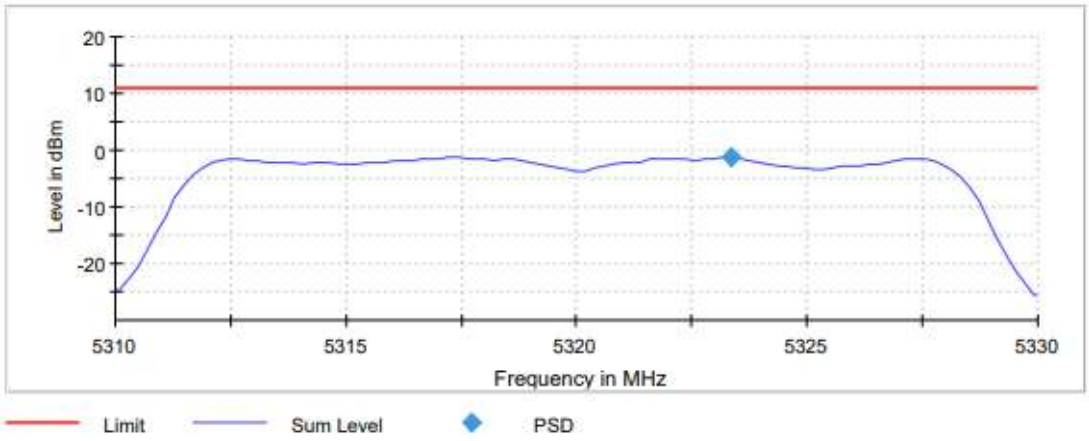


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

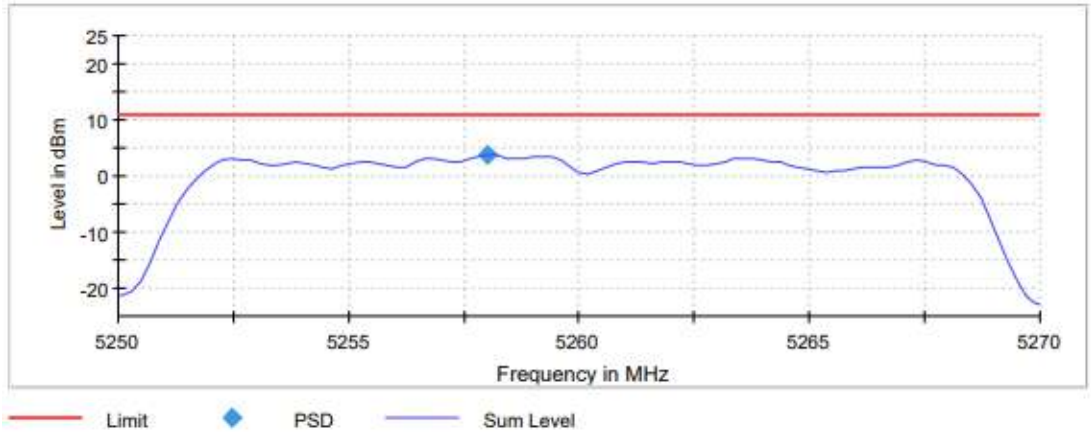
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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	1 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

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

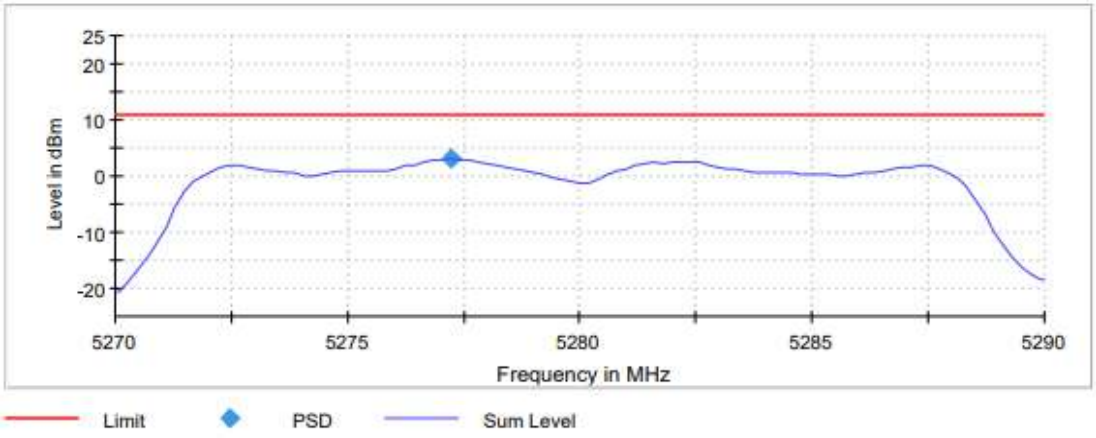
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	3.810	2.992	2.406

Lowest Channel

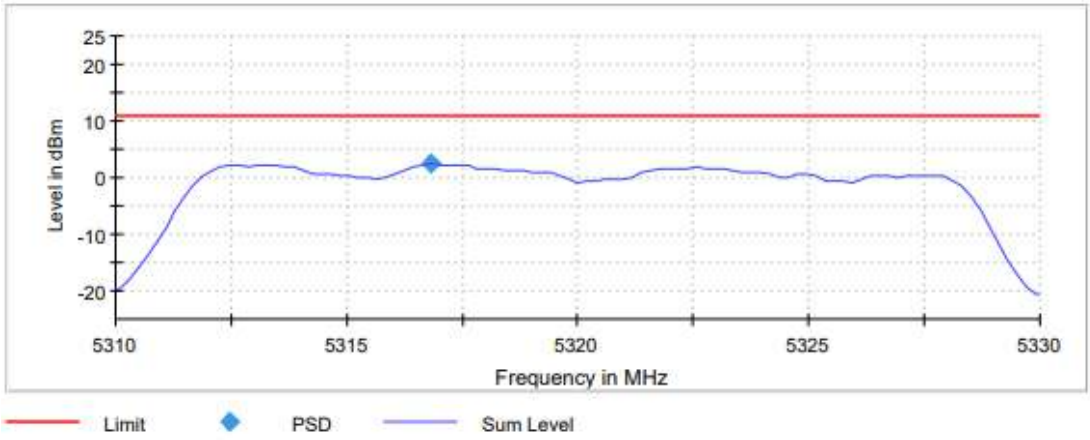


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

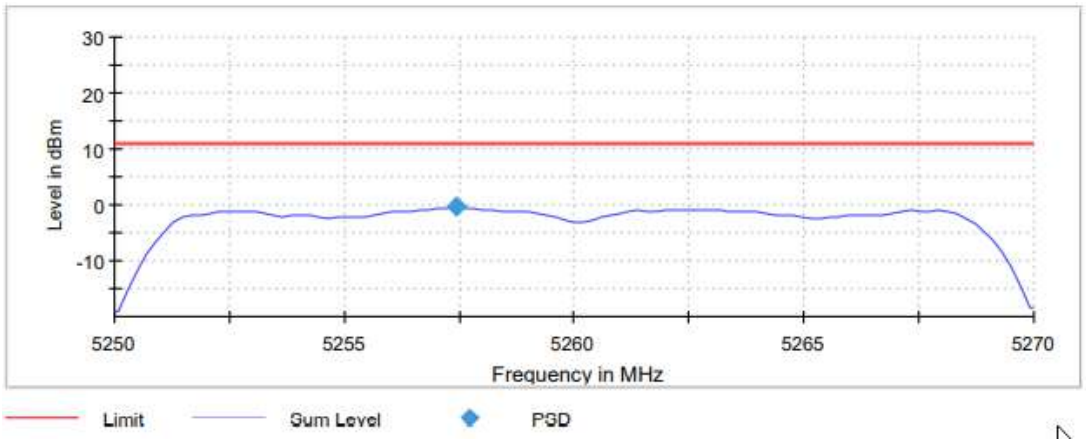
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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	1 / 3	3 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

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

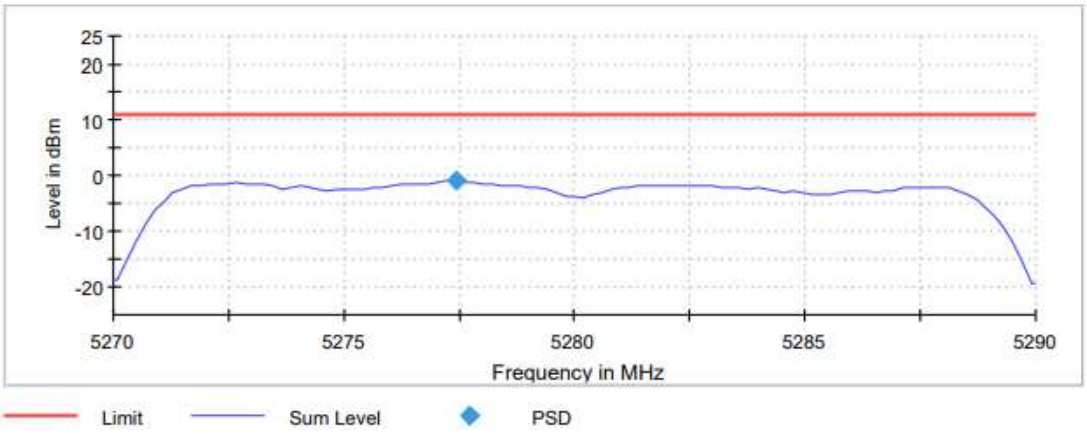
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	-0.464	-1.067	-1.298

Lowest Channel

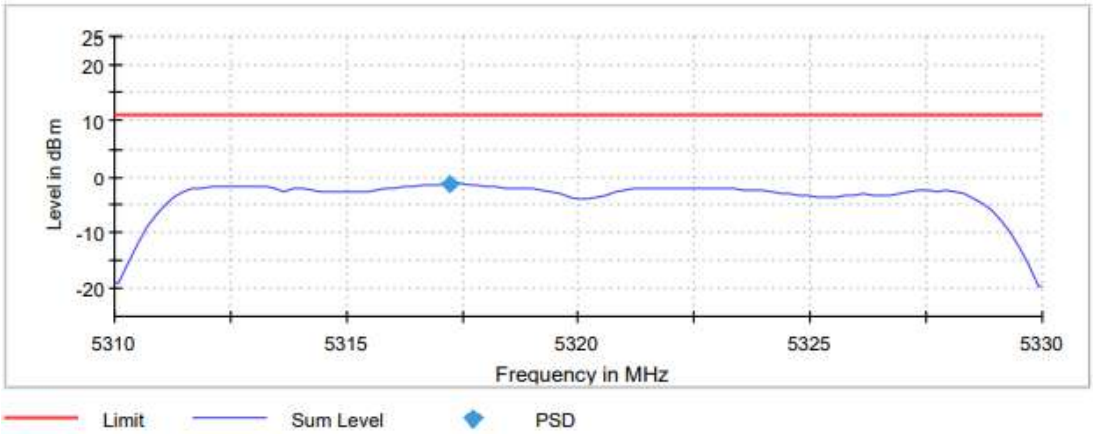


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

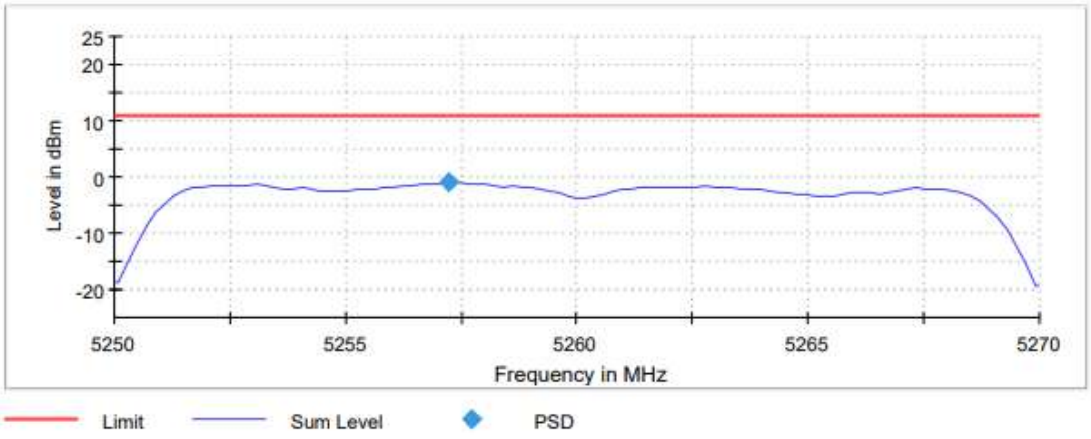
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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	13 / max. 15	15 / max. 15
Stable	1 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.00 dB

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

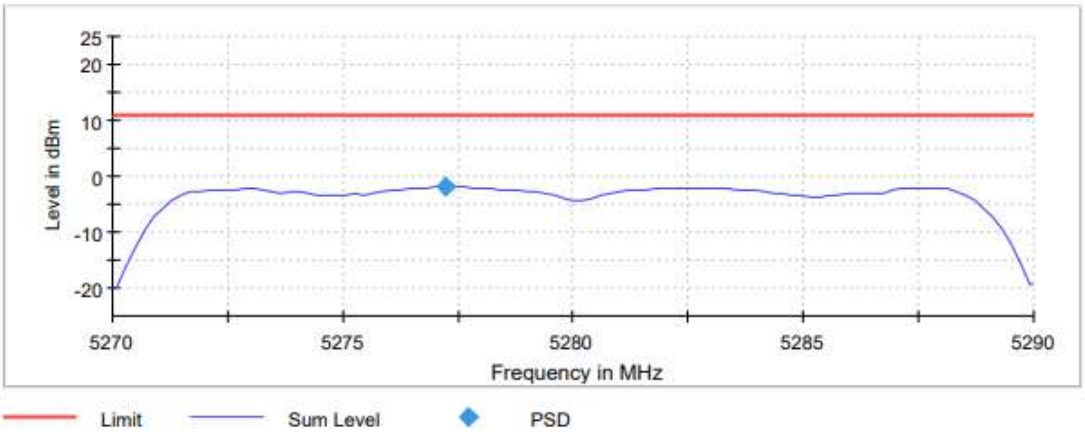
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	-0.993	-1.782	-1.820

Lowest Channel

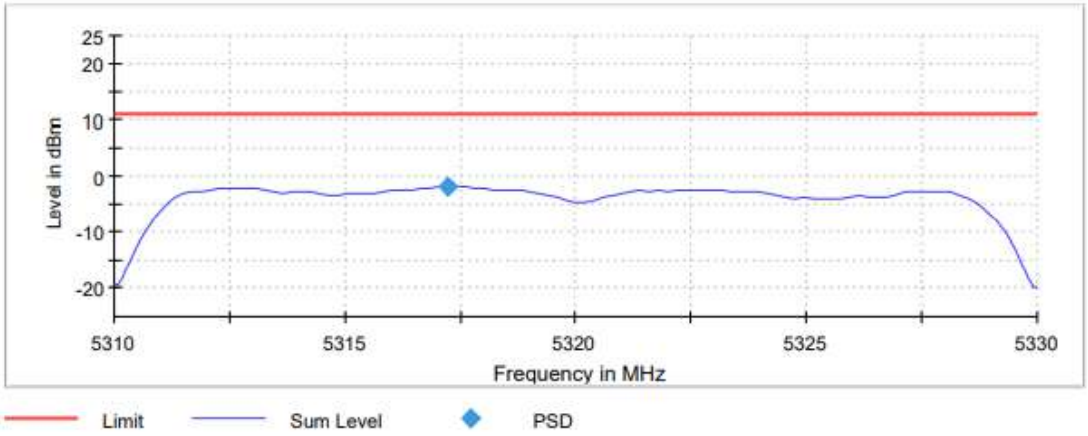


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

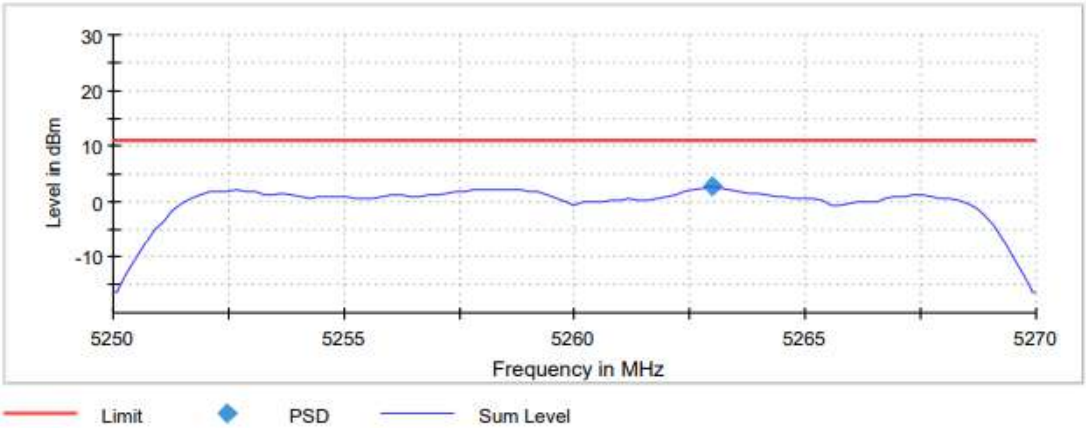
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.27000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

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

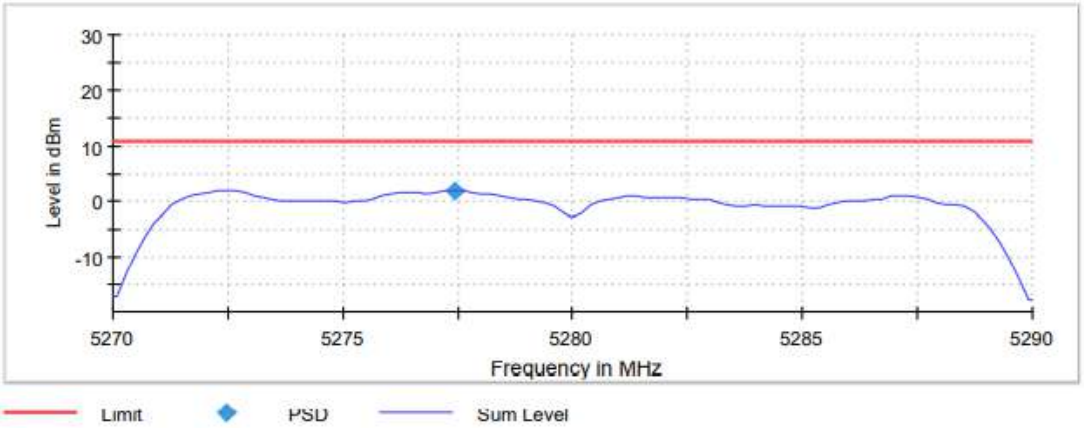
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	2.695	2.018	1.646

Lowest Channel

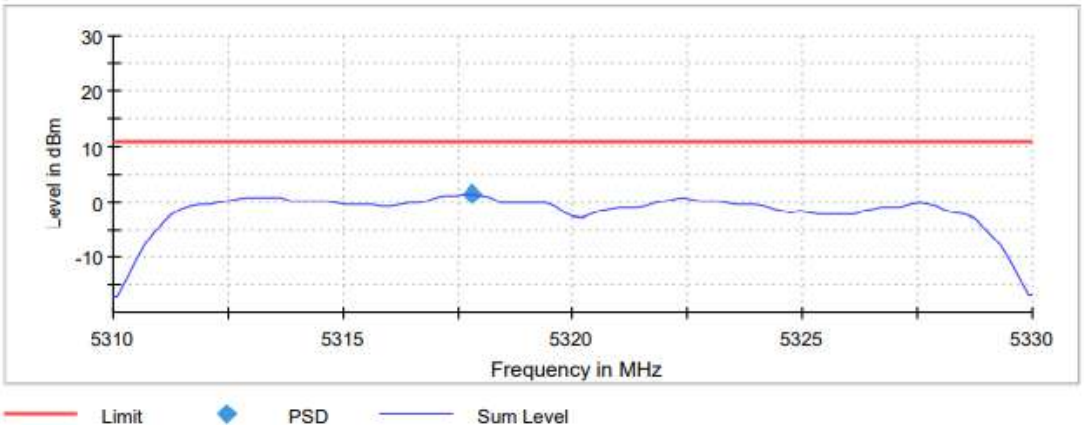


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

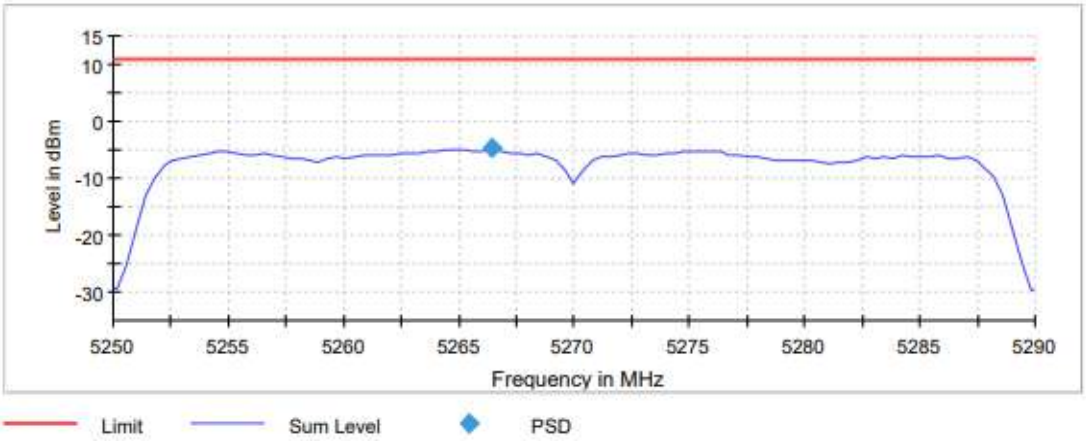
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

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

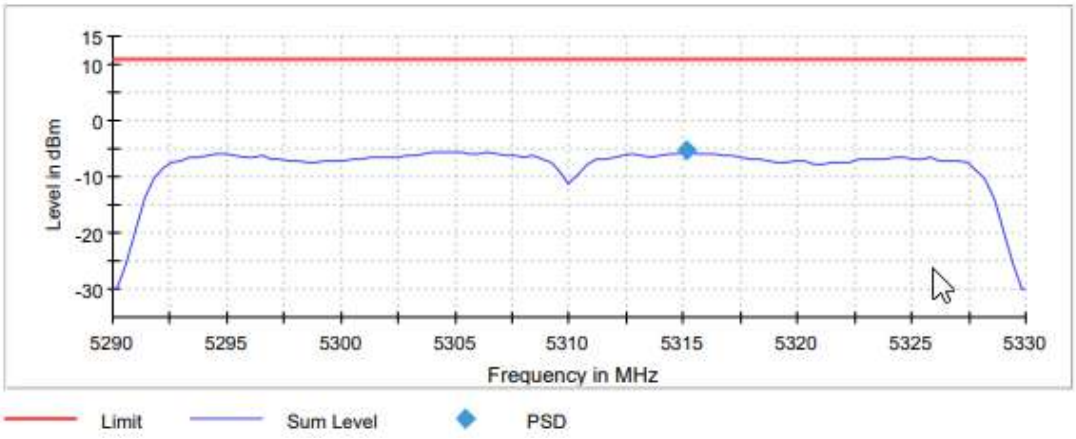
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	-4.810	-5.358

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

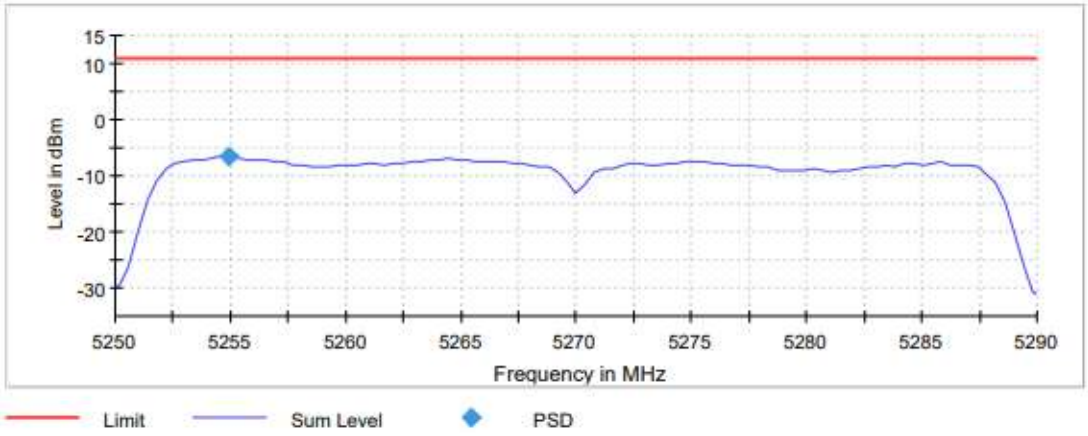
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.31000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	Sweep	Sweep
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	2 / max. 15	2 / max. 15
Stable	1 / 1	1 / 1
Max Stable Difference	0.46 dB	0.29 dB

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

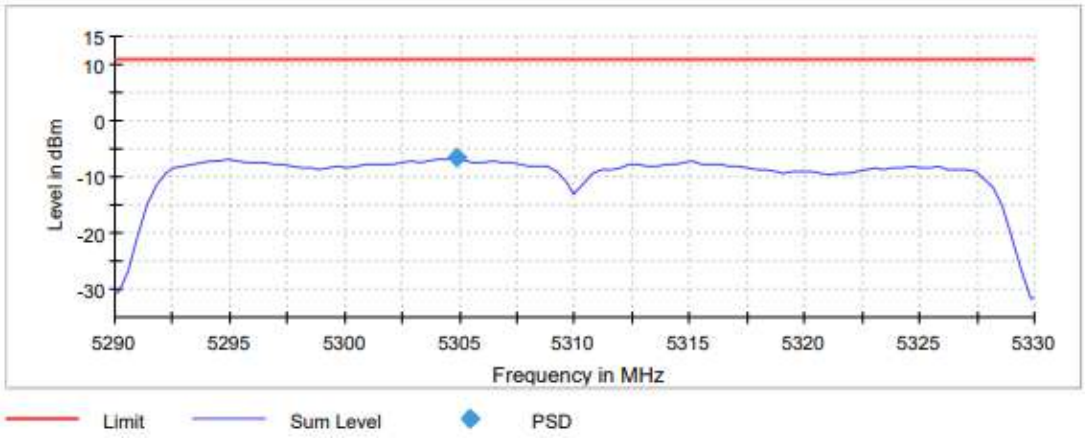
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	-6.627	-6.697

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

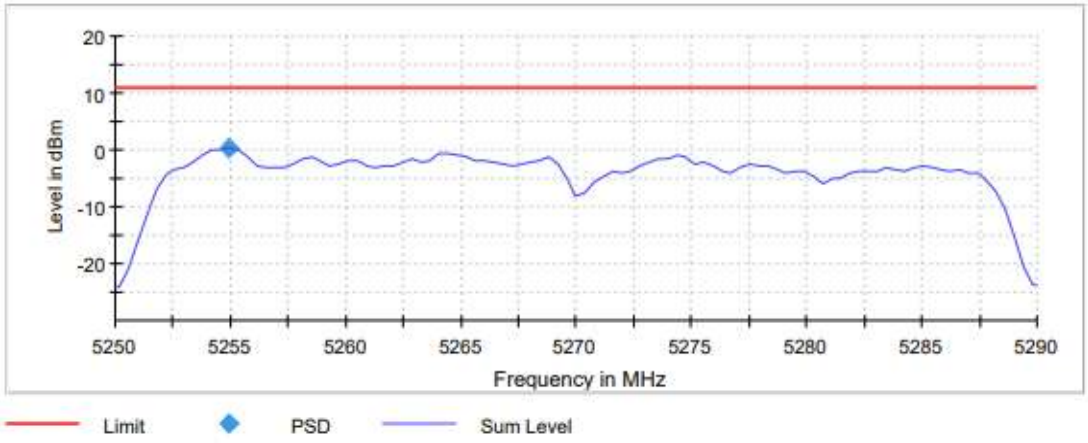
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.31000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	Sweep	Sweep
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	2 / max. 15	2 / max. 15
Stable	1 / 1	1 / 1
Max Stable Difference	0.37 dB	0.34 dB

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

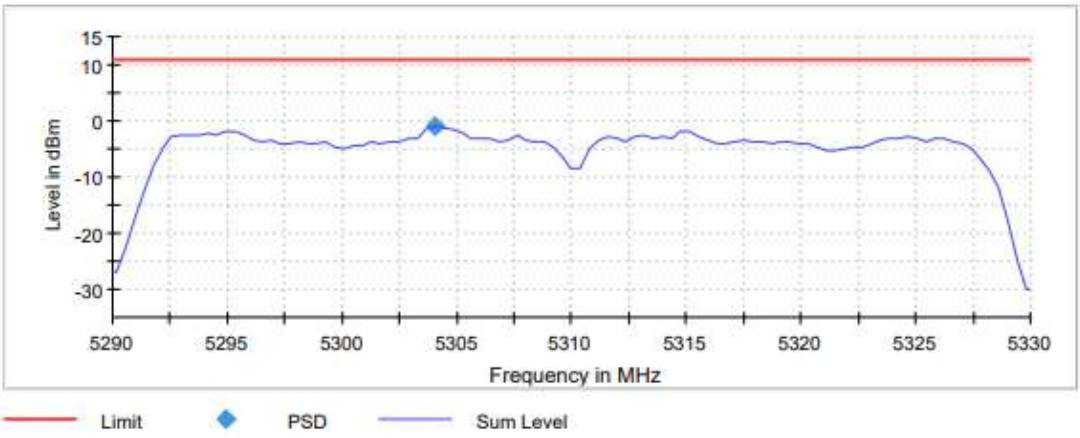
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	0.233	-0.932

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

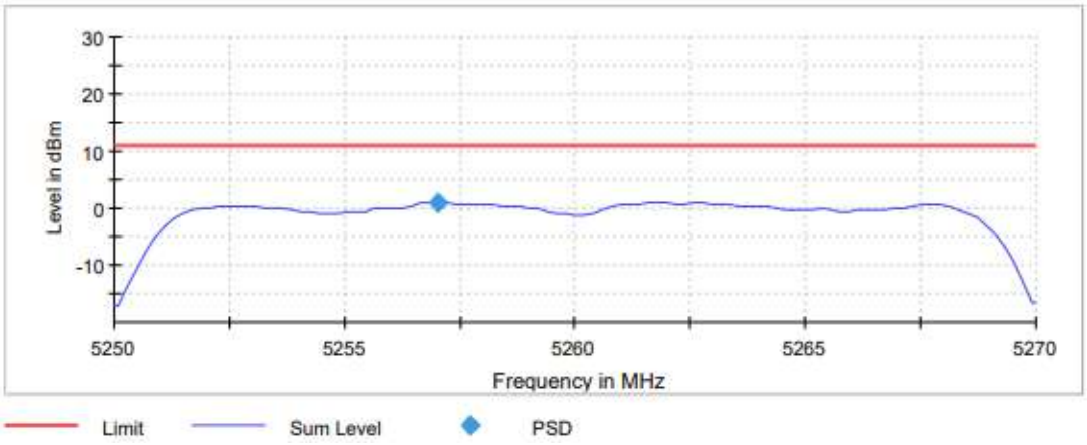
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.31000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
Sweep Count	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweep type	Sweep	Sweep
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	2 / max. 15	2 / max. 15
Stable	1 / 1	1 / 1
Max Stable Difference	0.30 dB	0.30 dB

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

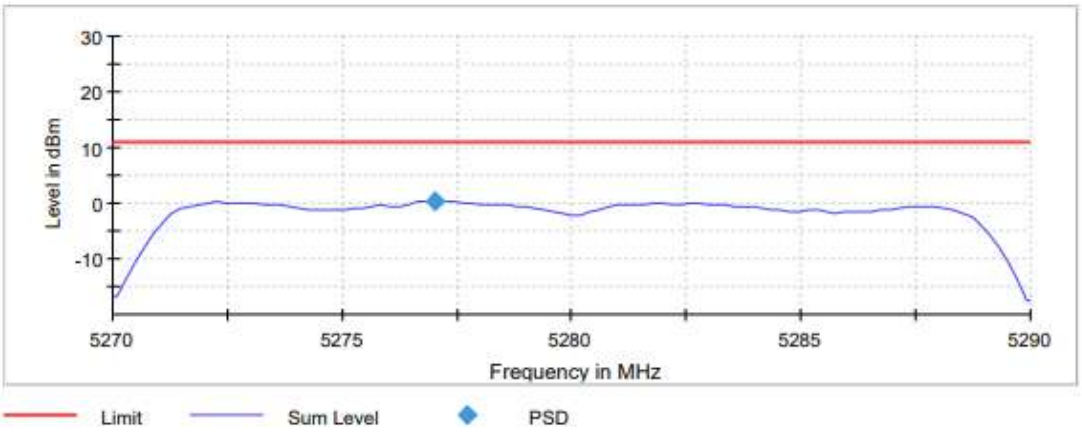
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	1.014	0.381	0.021

Lowest Channel

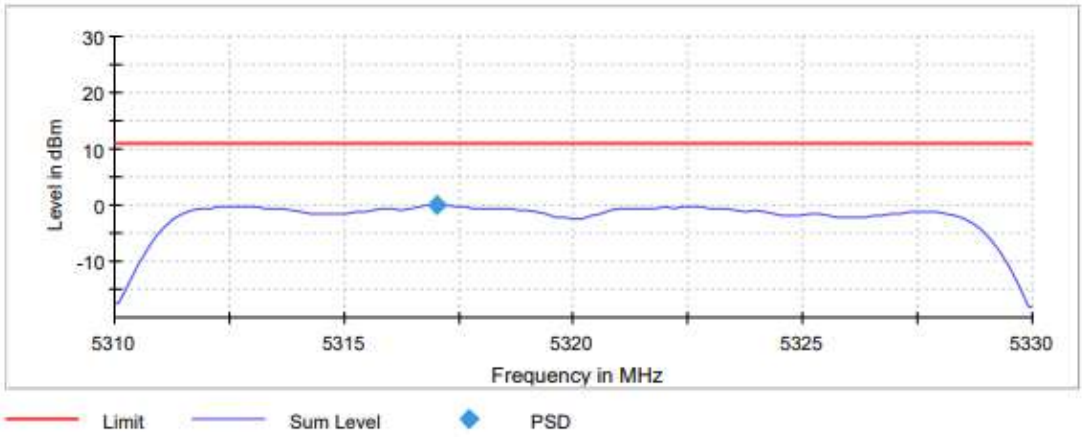


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

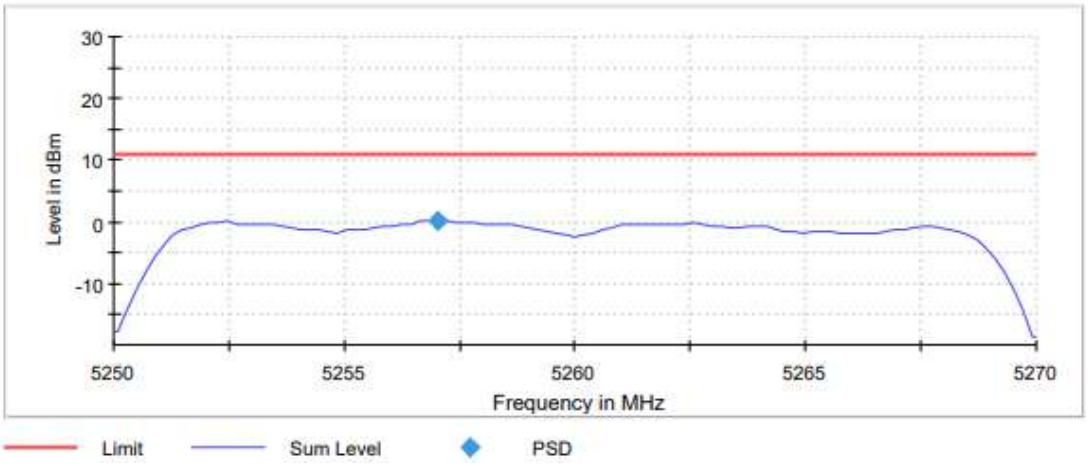
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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	13 / max. 15	15 / max. 15
Stable	1 / 3	3 / 3	2 / 3
Max Stable Difference	0.00 dB	0.00 dB	0.19 dB

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

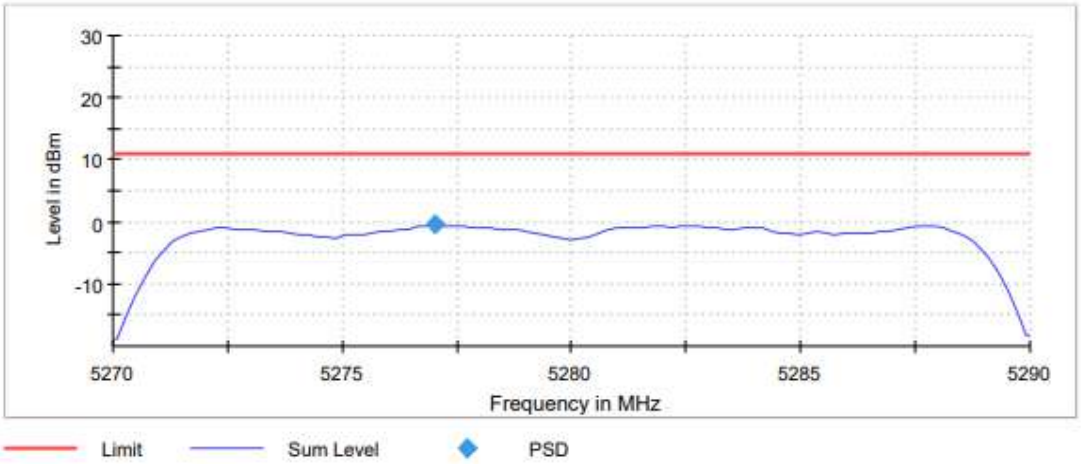
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	0.227	-0.524	-0.527

Lowest Channel

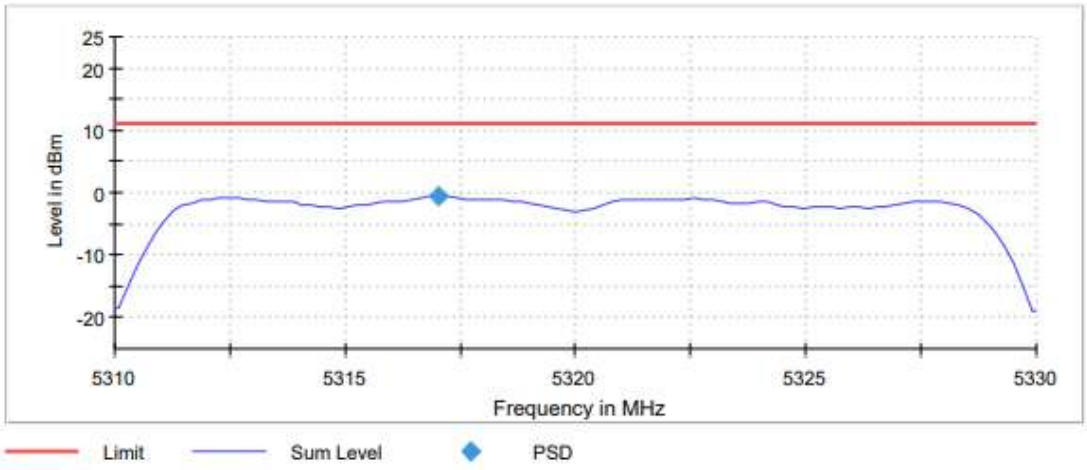


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

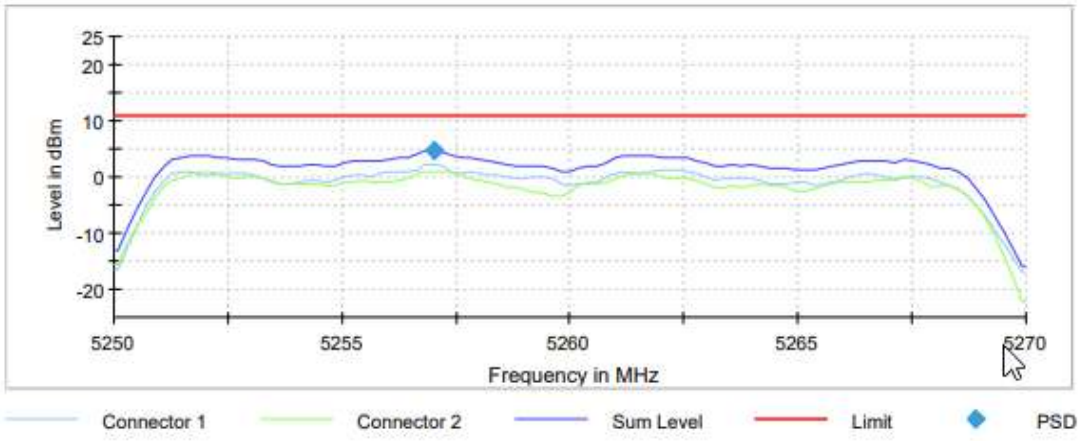
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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	0.24 dB

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

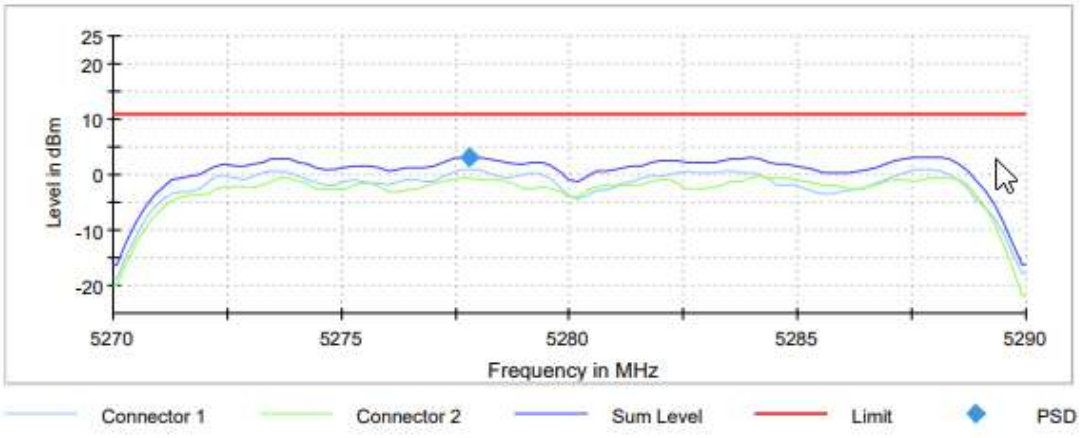
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	4.743	3.219	2.981

Lowest Channel

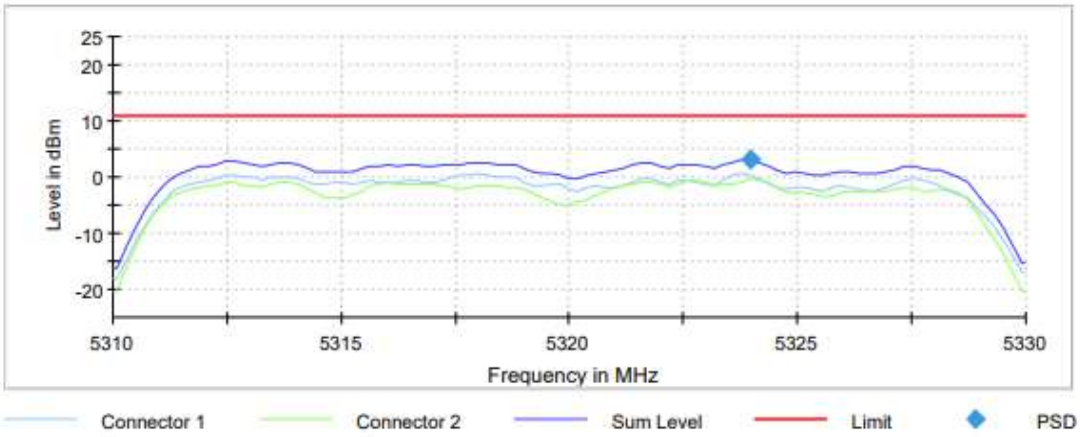


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

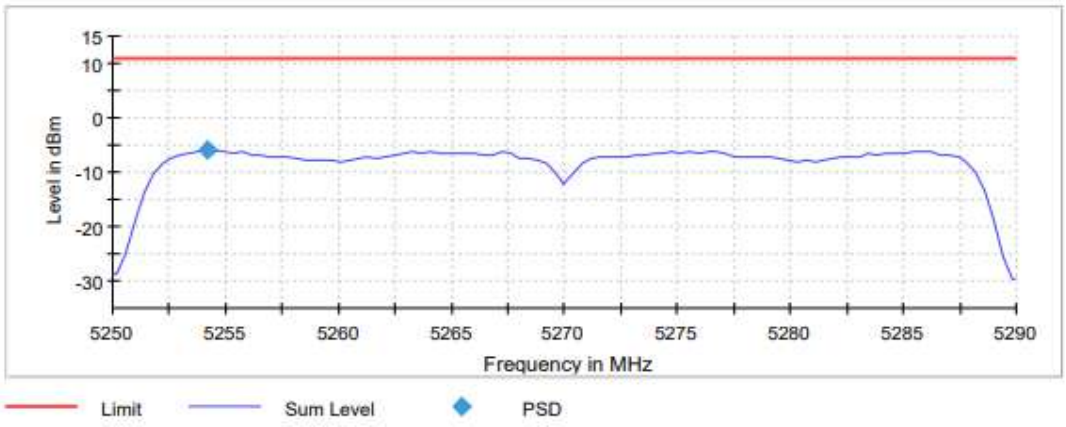
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

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

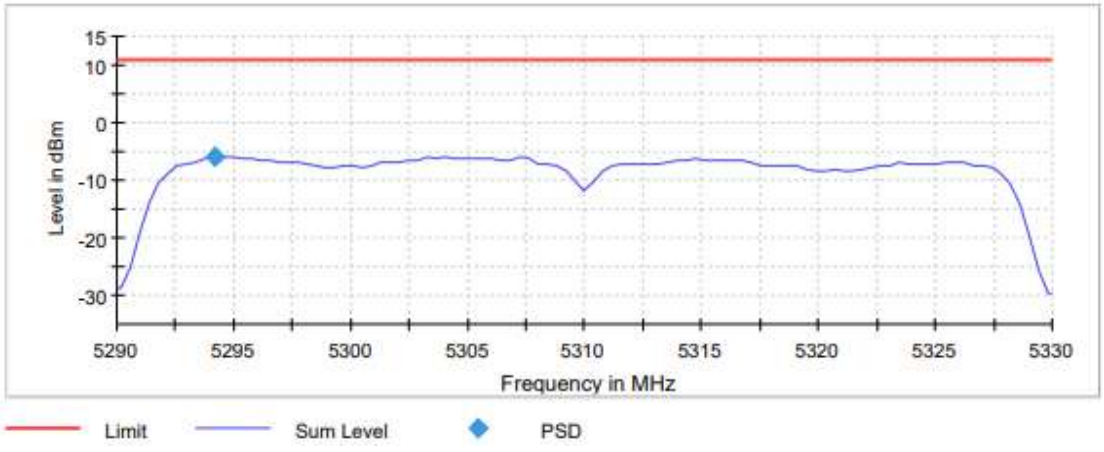
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	-5.930	-5.927

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

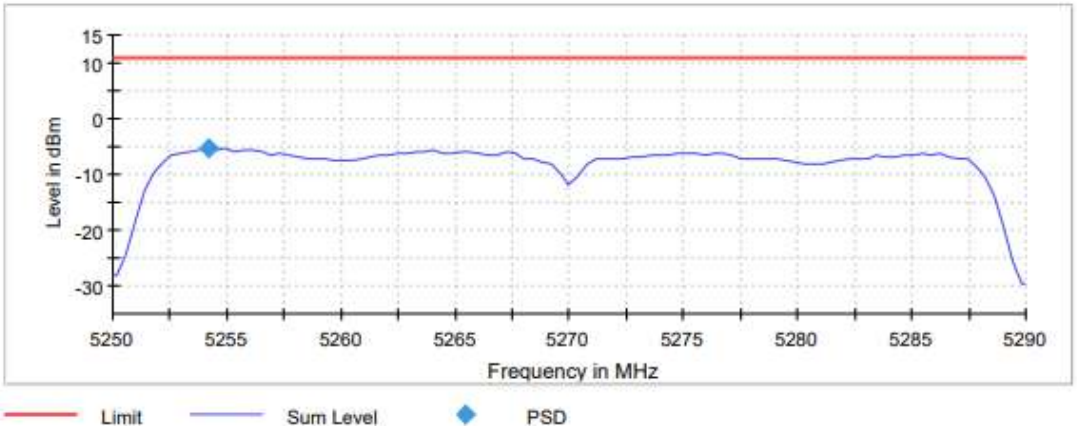
Setting	Instrument Value	Instrument Value
Start Frequency	5.17000 GHz	5.29000 GHz
Stop Frequency	5.21000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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

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

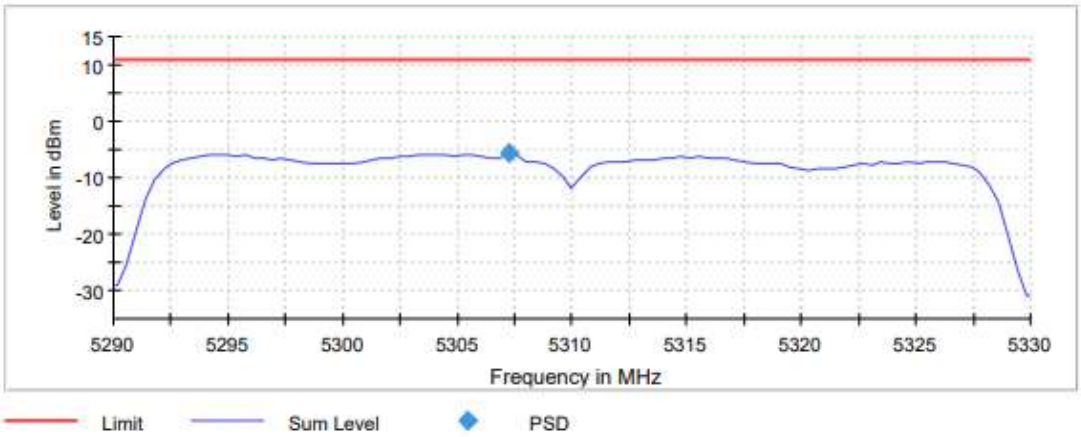
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	-5.212	-5.766

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

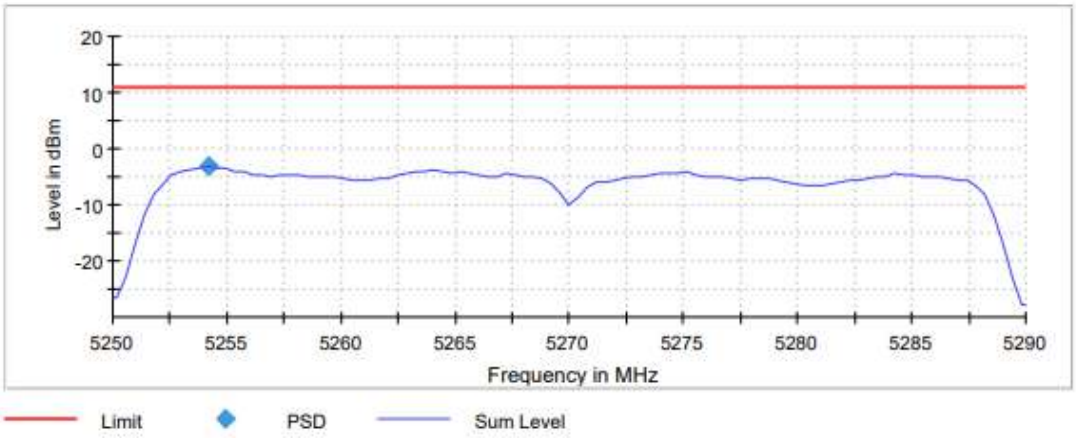
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.29000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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

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

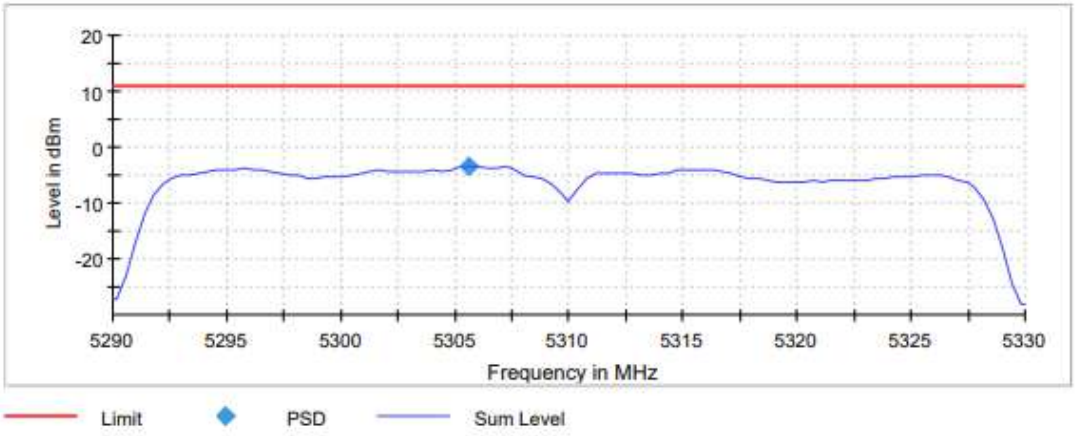
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	-3.104	-3.343

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

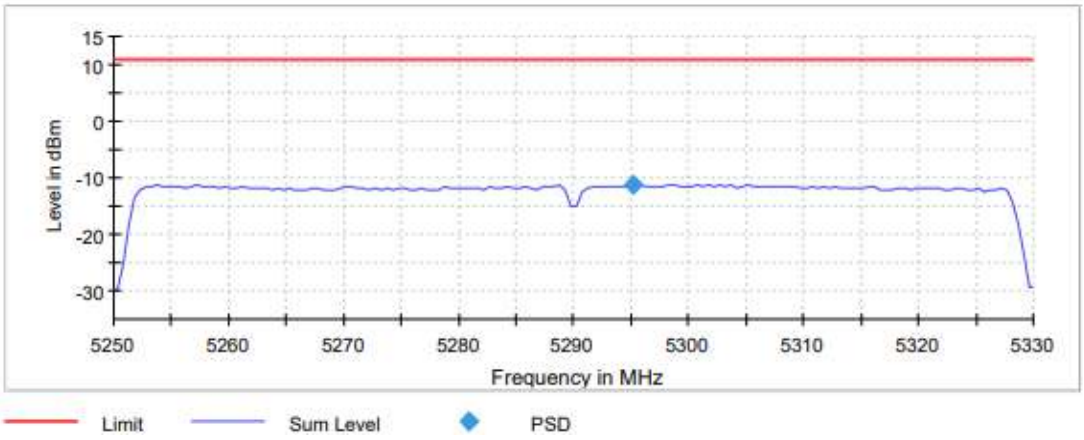
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.29000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

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

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	-11.152

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

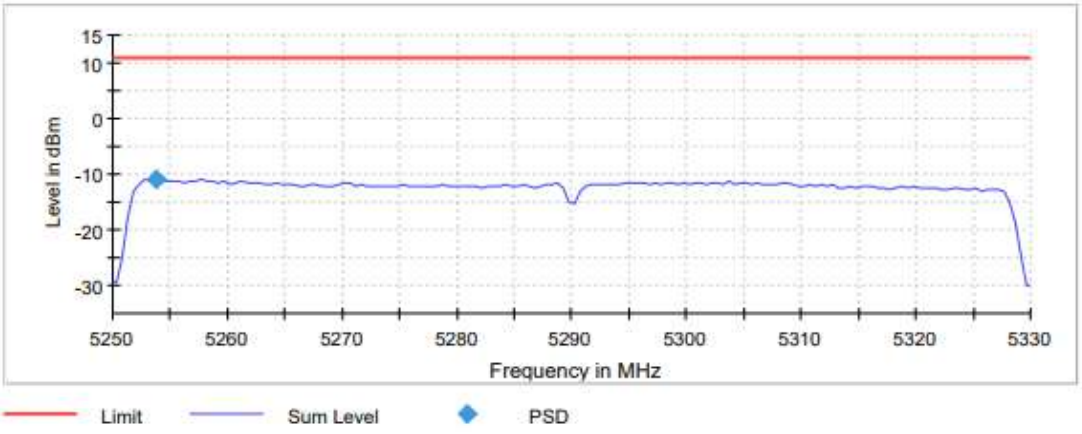
Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	2 / 3
Max Stable Difference	0.00 dB

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

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	-10.902

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

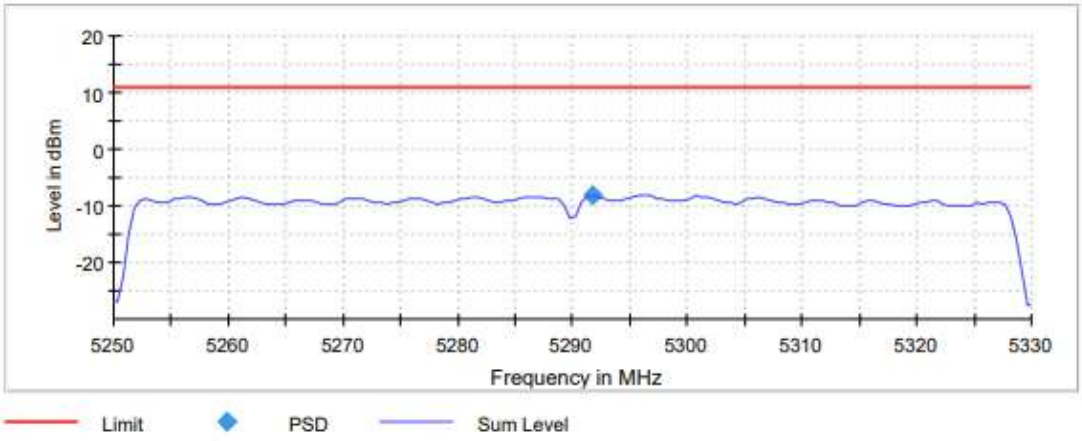
Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	3 / 3
Max Stable Difference	3.44 dB

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

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	-8.063

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

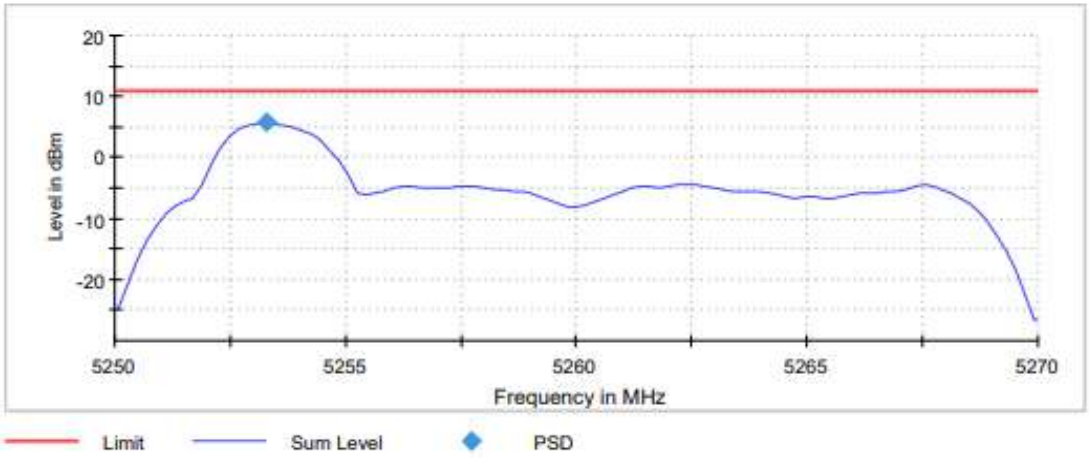
Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	13 / max. 15
Stable	3 / 3
Max Stable Difference	0.00 dB

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

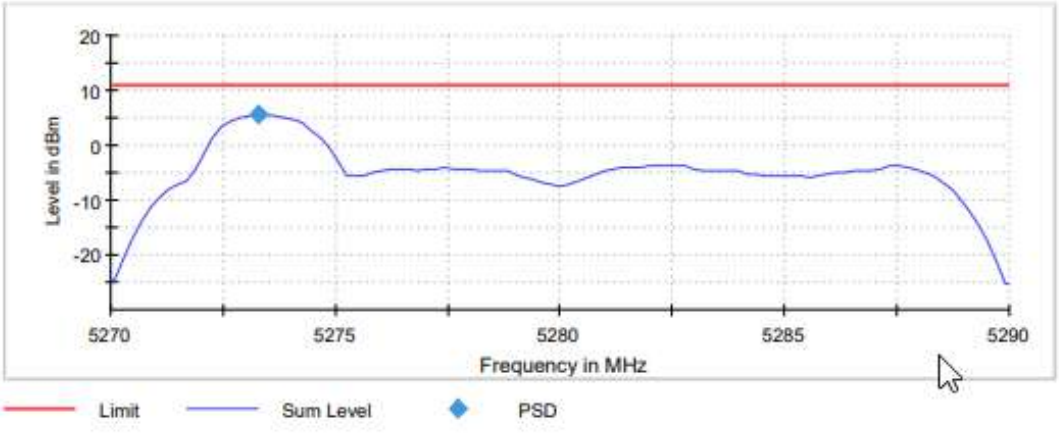
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	5.768	5.710	5.003

Lowest Channel

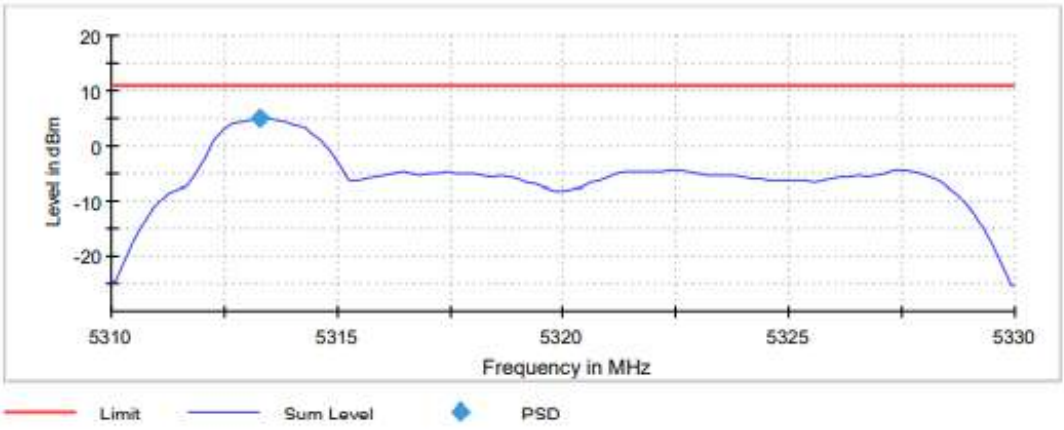


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

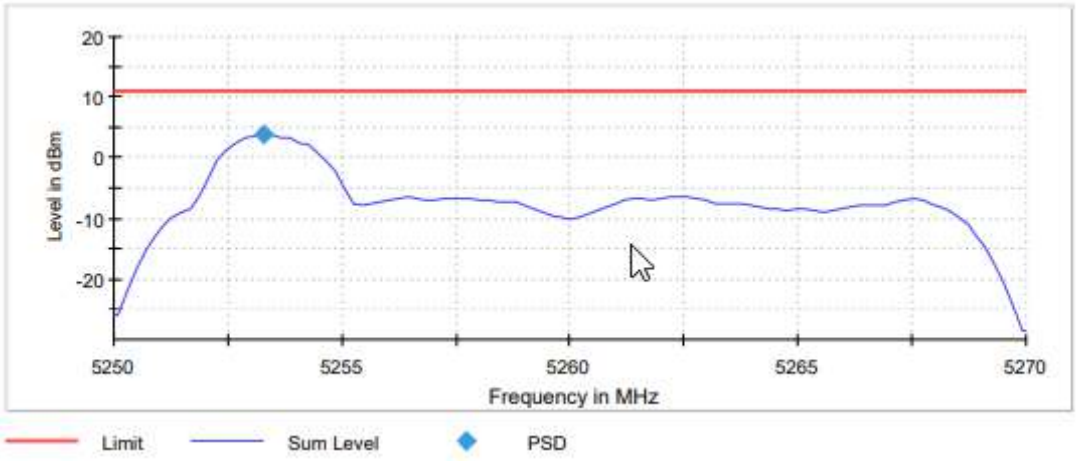
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

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

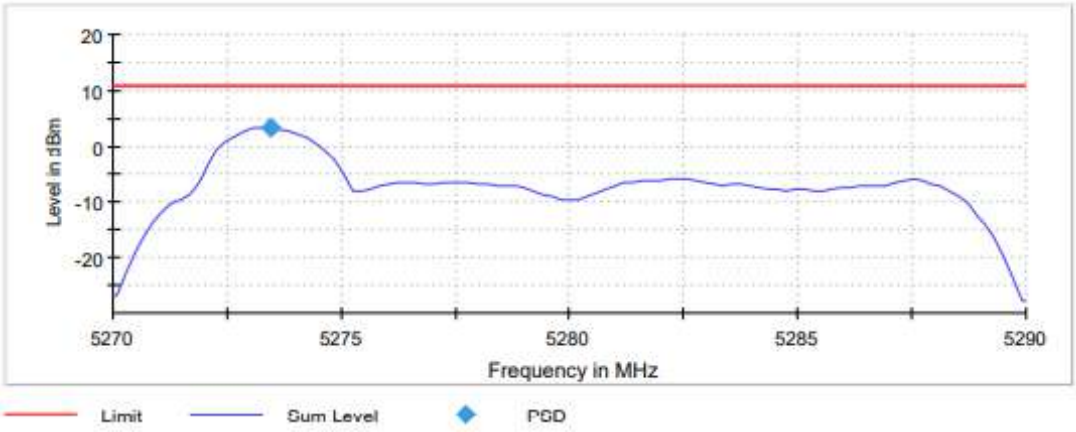
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	3.880	3.404	2.835

Lowest Channel

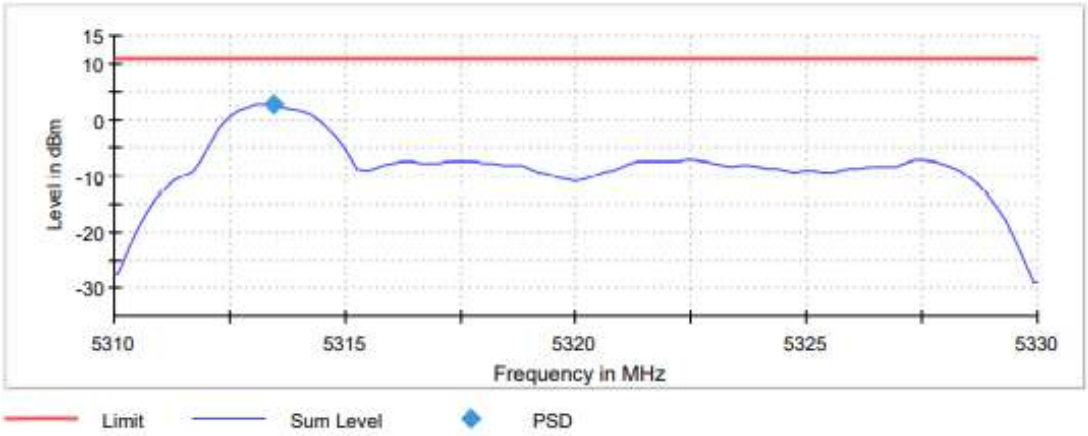


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

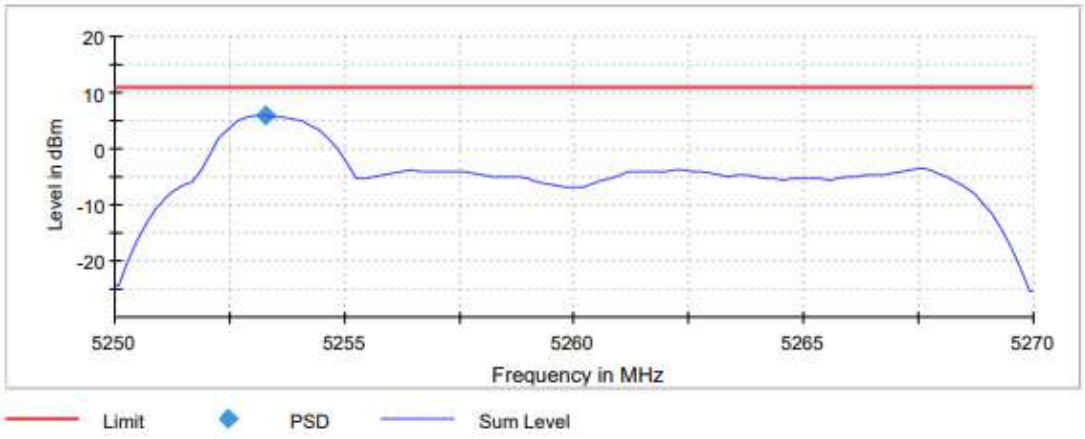
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.23100 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.3300 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

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

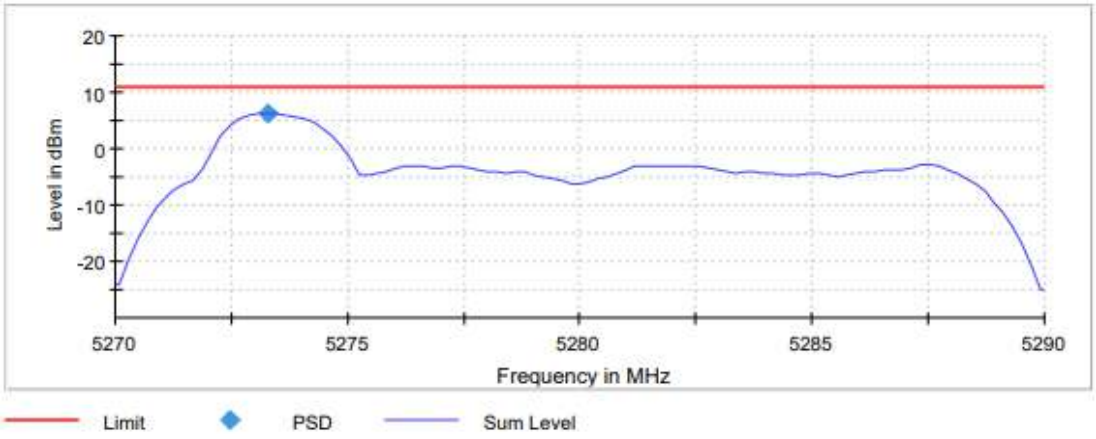
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	5.934	6.342	2.780

Lowest Channel

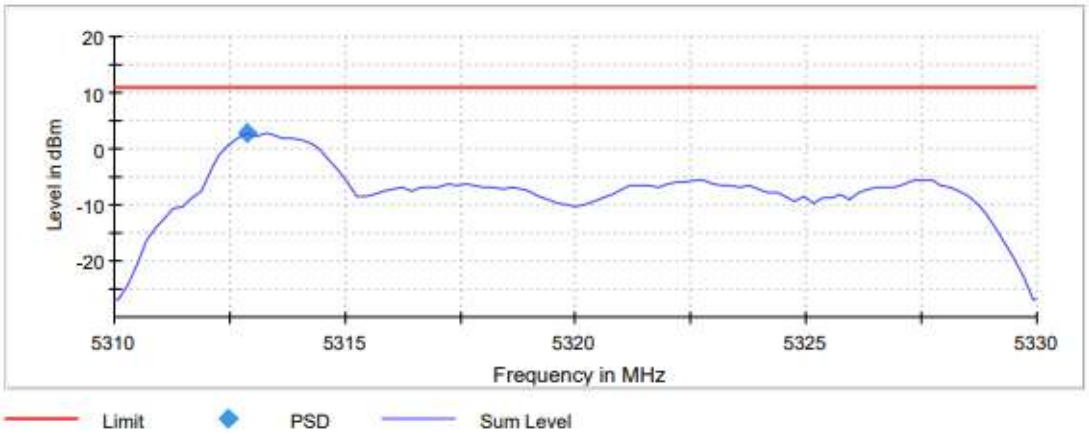


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



Measurement

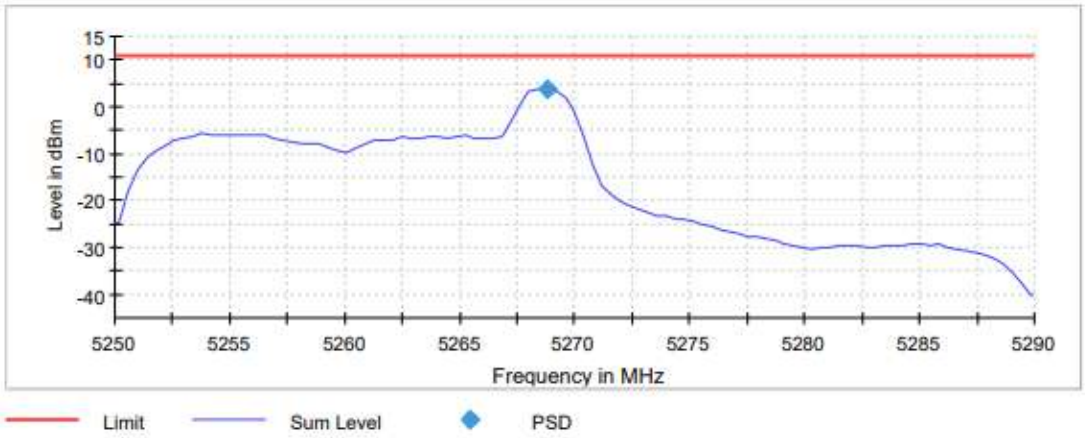
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

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

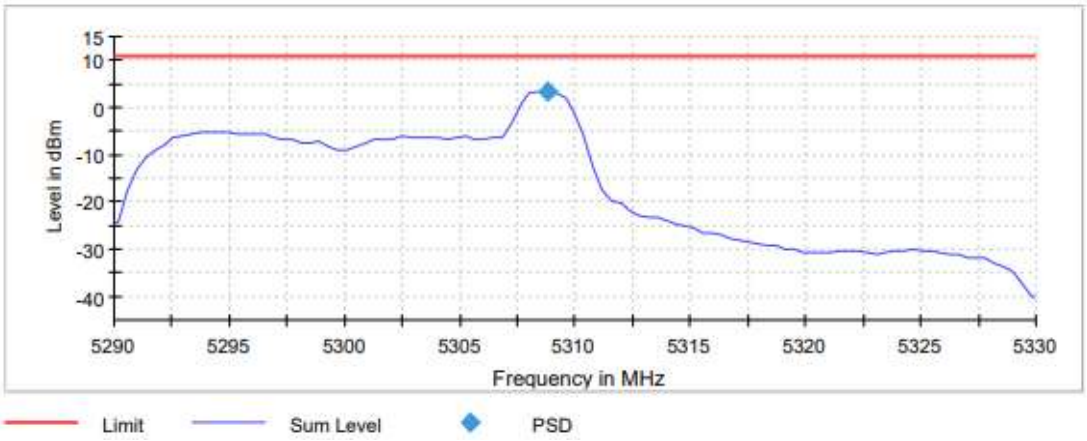
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	3.731	3.391

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

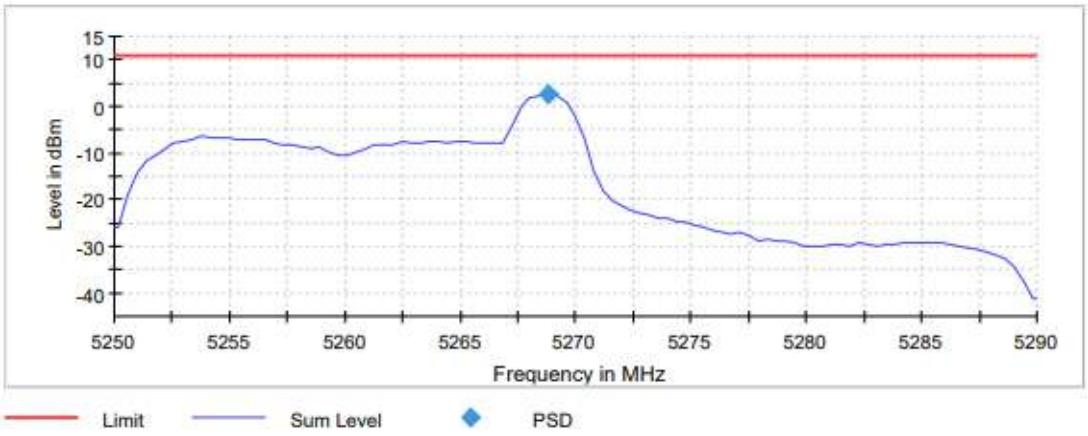
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.29000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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

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

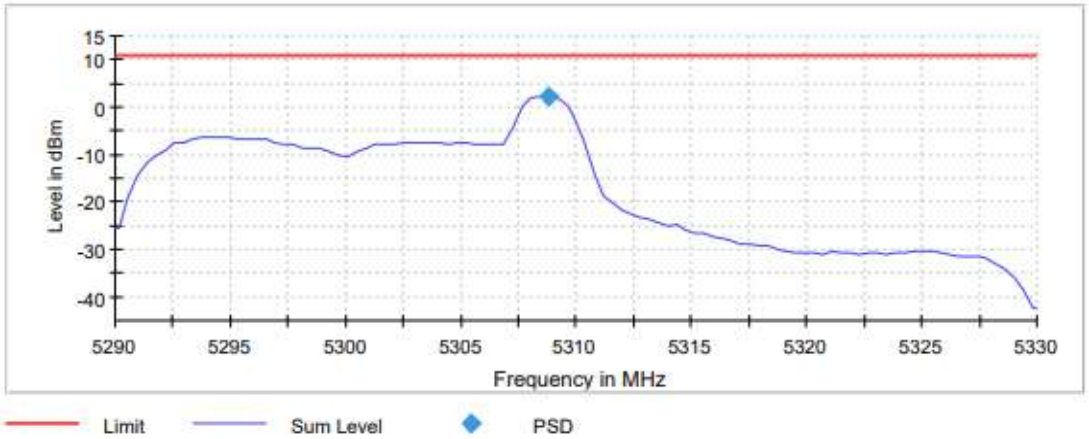
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	2.600	2.208

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

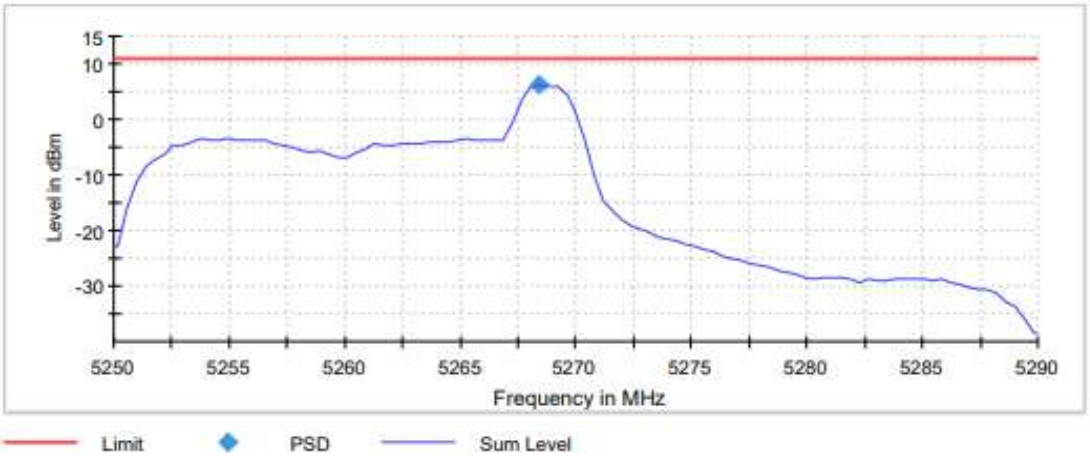
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.29000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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

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

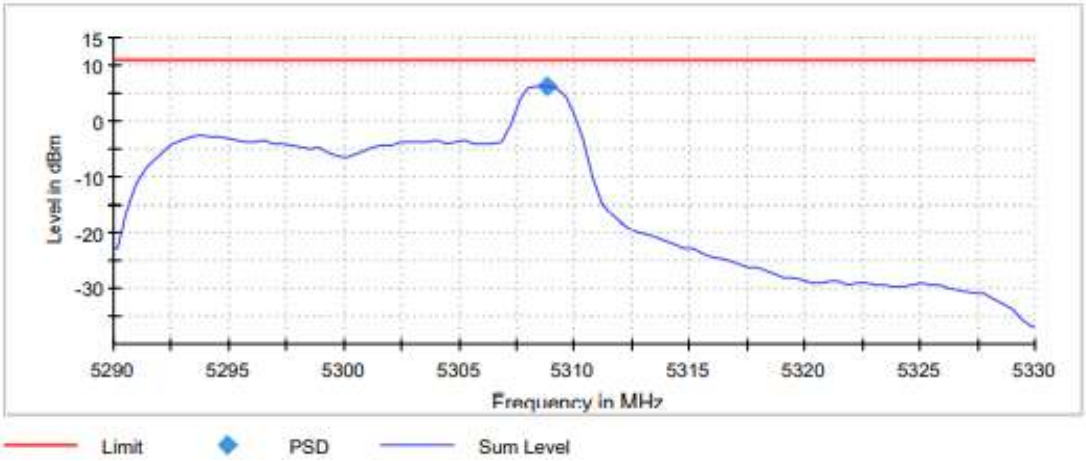
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	6.151	6.354

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

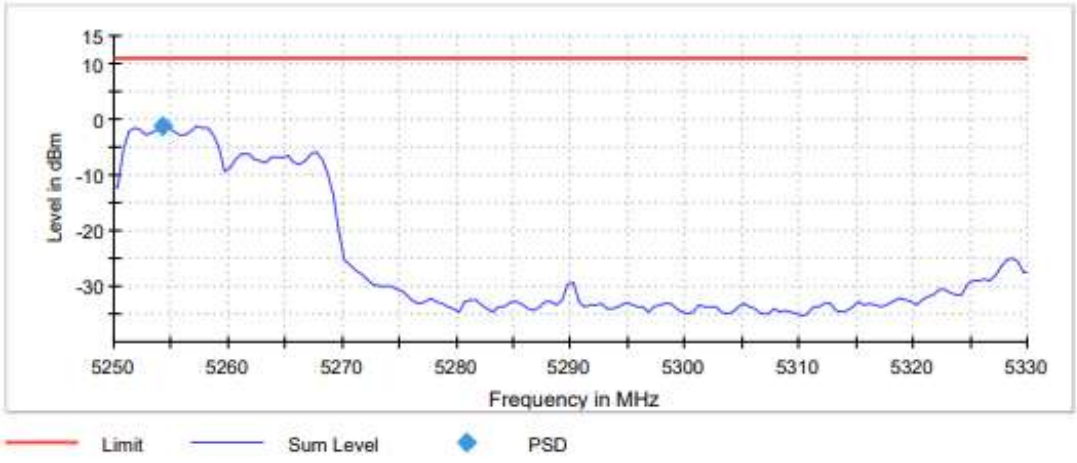
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.29000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

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

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	-1.391

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

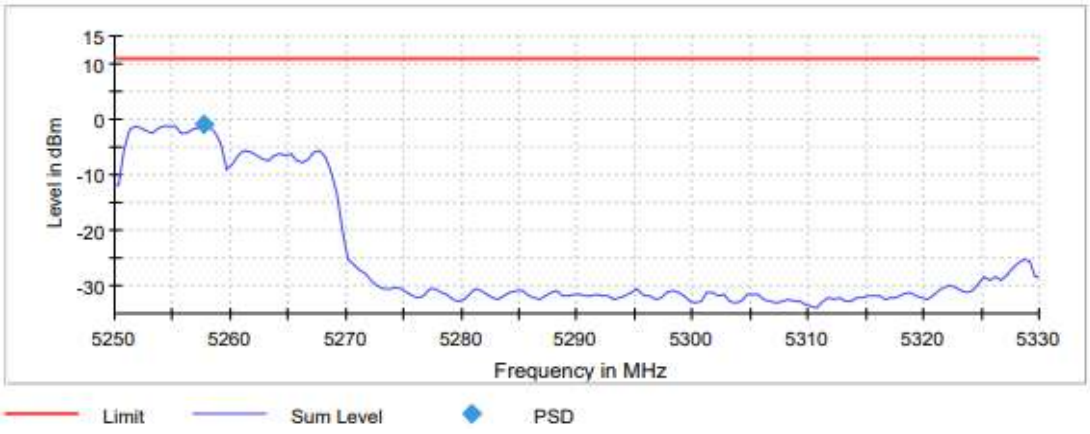
Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	2 / 3
Max Stable Difference	0.00 dB

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

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	-0.998

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

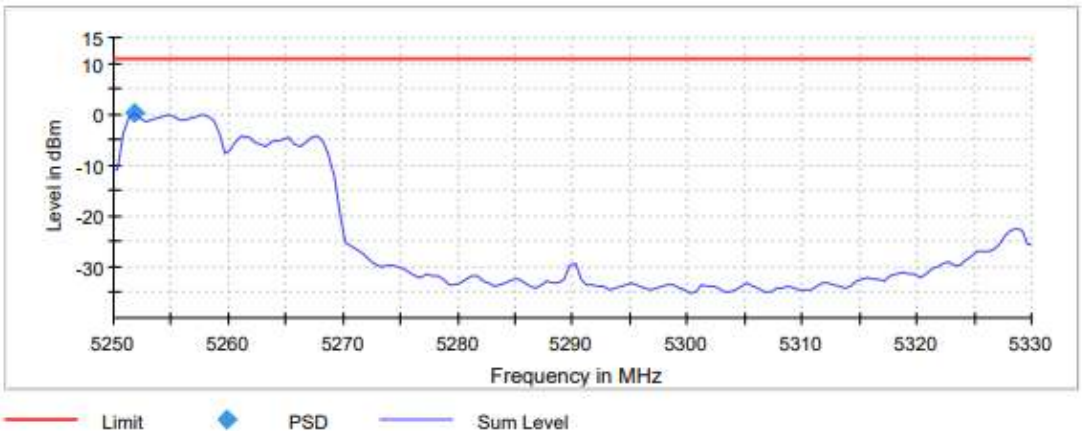
Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	15 / max. 15
Stable	1 / 3
Max Stable Difference	0.00 dB

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

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	0.081

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

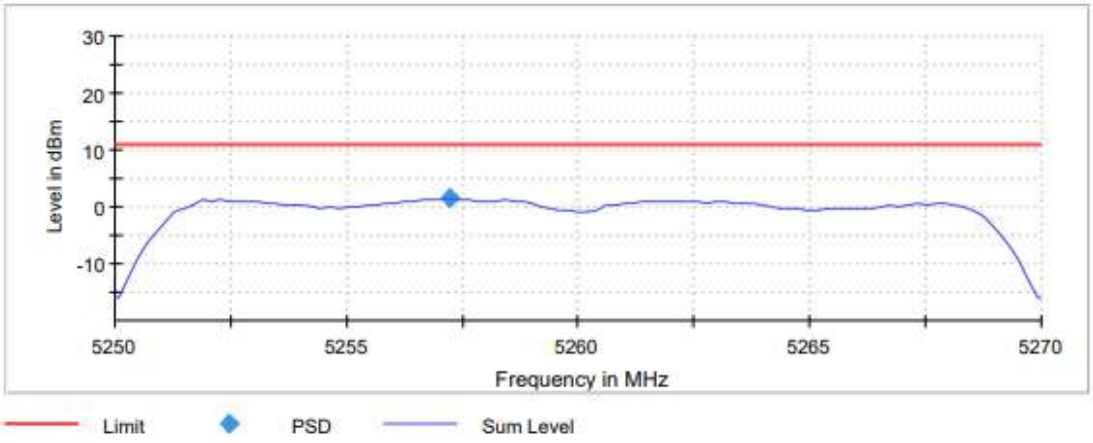
Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
Sweep Count	0
Filter	3 dB
Trace Mode	Max Hold
Sweep type	FFT
Preamp	off
Stable mode	Trace
Stable value	0.30 dB
Run	13 / max. 15
Stable	2 / 3
Max Stable Difference	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac Mode Beam forming)
TEST RESULTS:	PASS

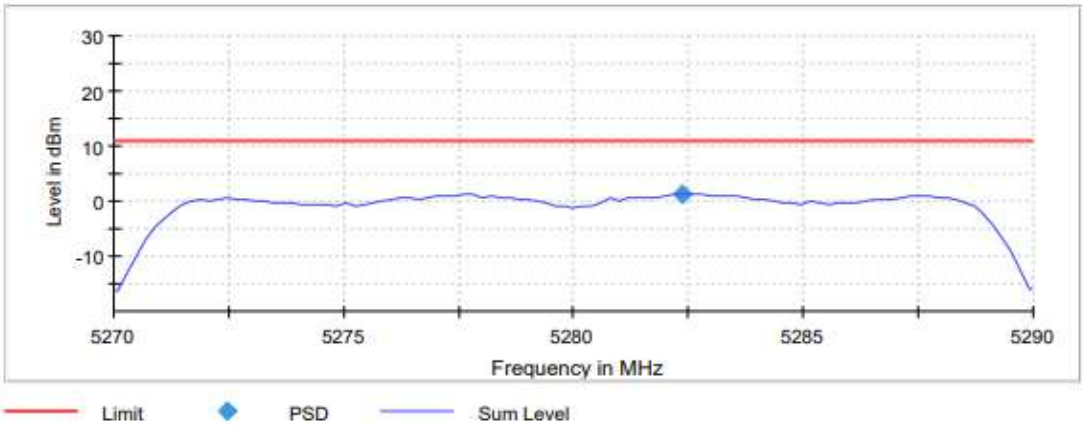
Bandwidth: 20 MHz

	Lowest frequency 5260 MHz	Middle frequency 5280 MHz	Highest frequency 5320 MHz
Power spectral density (dBm)	1.435	1.321	0.044

Lowest Channel

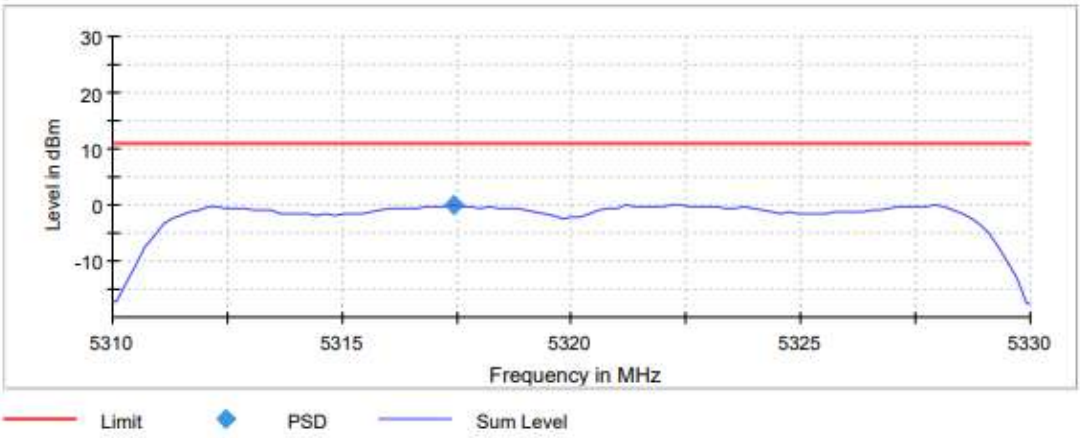


Middle Channel



TEST RESULTS (Cont.)	

Highest Channel



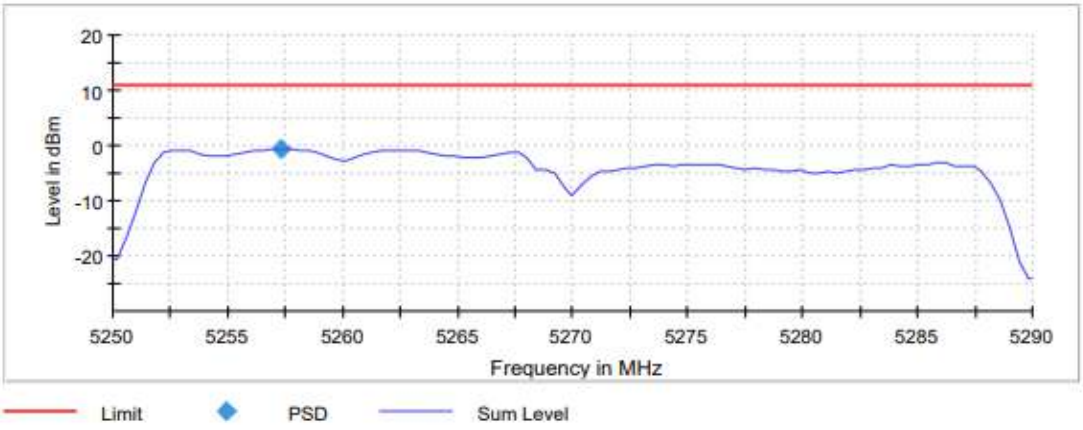
Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.27000 GHz	5.31000 GHz
Stop Frequency	5.27000 GHz	5.29000 GHz	5.33000 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	1.000 MHz	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz	3.000 MHz
Sweep Points	101	101	101
Sweep time	11.000 µs	11.000 µs	11.000 µs
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

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac Mode Beam forming)
TEST RESULTS:	PASS

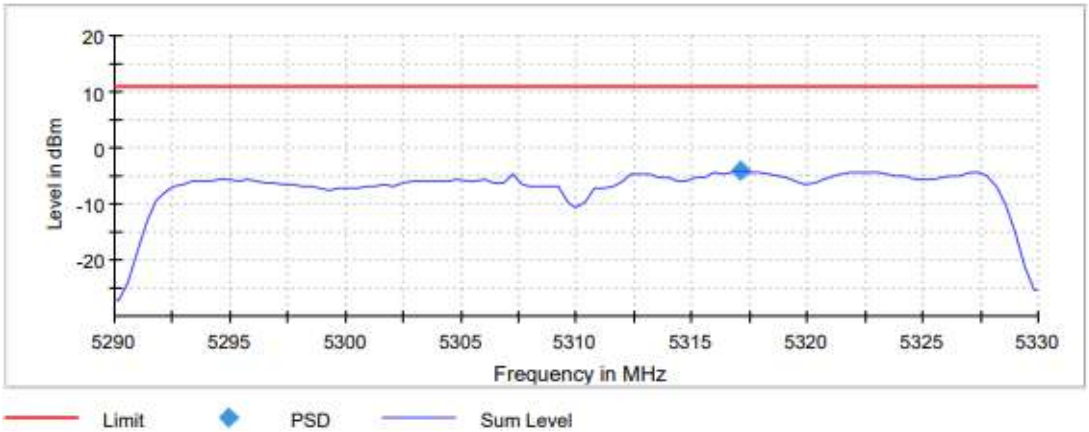
Bandwidth: 40 MHz

	Lowest frequency 5270 MHz	Highest frequency 5310 MHz
Power spectral density (dBm)	-0.534	-4.158

Lowest Channel



Highest Channel



TEST RESULTS (Cont.)	

Measurement

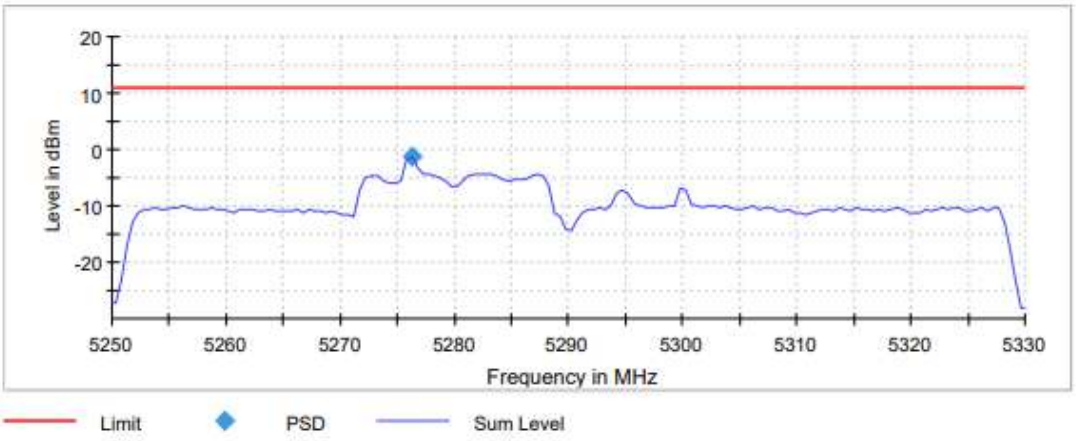
Setting	Instrument Value	Instrument Value
Start Frequency	5.25000 GHz	5.29000 GHz
Stop Frequency	5.29000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	1.000 MHz
VBW	3.000 MHz	3.000 MHz
Sweep Points	101	101
Sweep time	11.000 µs	11.000 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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	6 / max. 15	5 / max. 15
Stable	3 / 3	0 / 3
Max Stable Difference	0.00 dB	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#05 (ac Mode Beam forming)
TEST RESULTS:	PASS

Bandwidth: 80 MHz

	Lowest frequency 5290 MHz
Power spectral density (dBm)	-1.362

Lowest Channel



TEST RESULTS (Cont.)	

Measurement

Setting	Instrument Value
Start Frequency	5.25000 GHz
Stop Frequency	5.33000 GHz
Span	80.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
Sweep Points	160
Sweep time	16.000 µs
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

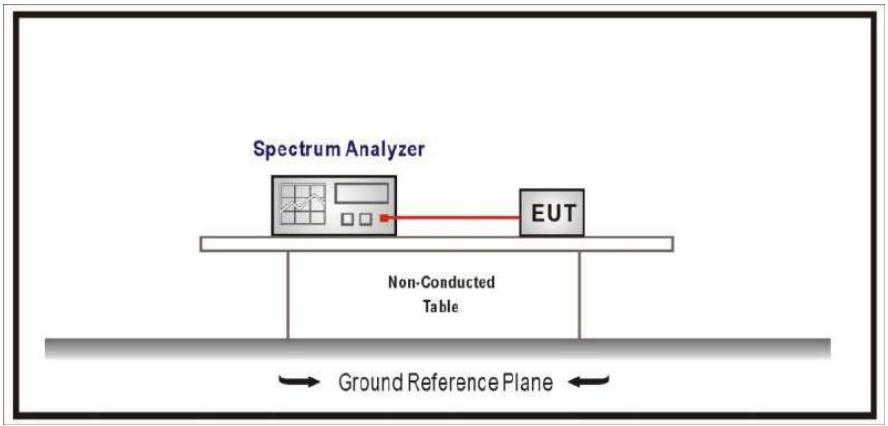
SECTION C.4: BAND-EDGE EMISSIONS COMPLIANCE (TRANSMITTER)

LIMITS:	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	



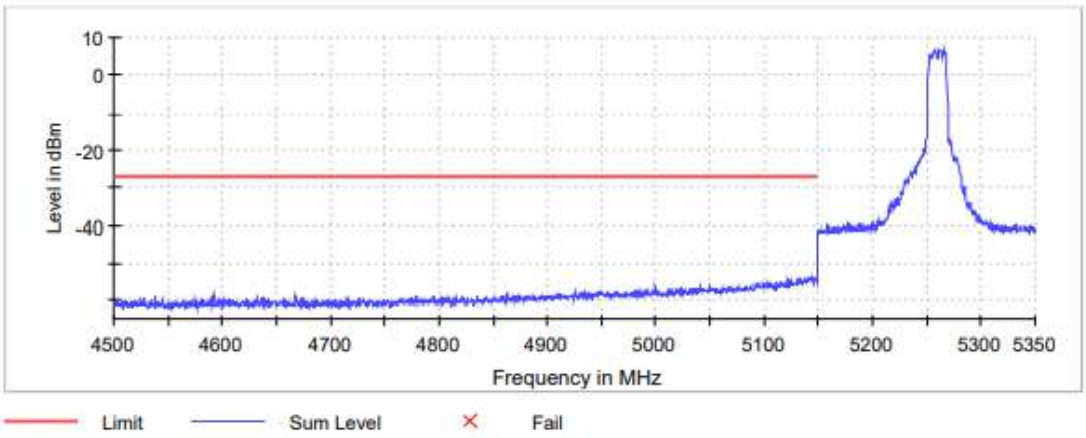
Note: The following test results are shown based on KDB 662911 D01 Multiple Transmitter Output v02r01 E) 3) a) (ii) Measure and sum spectral maxima across the outputs as described in section E)2)b).

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

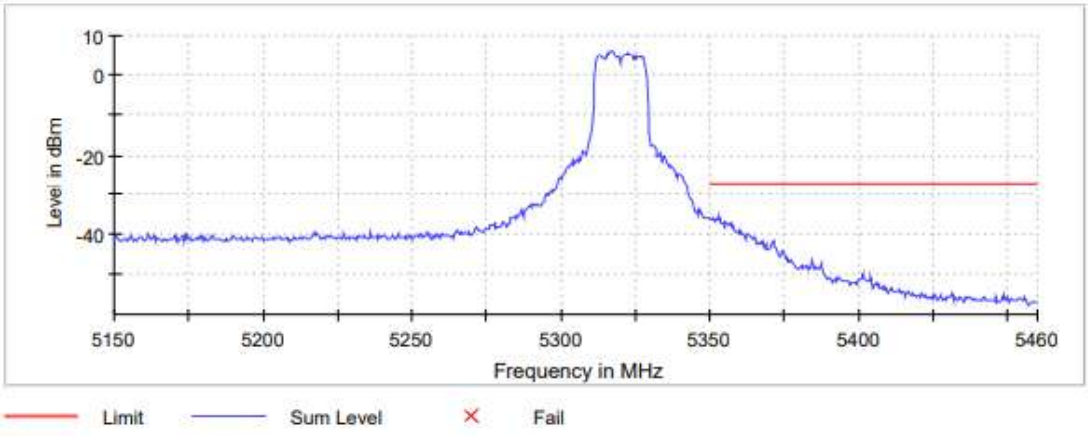
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.250000	-53.5	26.5	-27.0	PASS
5137.250000	-53.6	26.6	-27.0	PASS
5131.750000	-53.6	26.6	-27.0	PASS
5142.750000	-53.8	26.8	-27.0	PASS
5144.750000	-53.8	26.8	-27.0	PASS
5144.250000	-53.8	26.8	-27.0	PASS
5146.250000	-53.9	26.9	-27.0	PASS
5146.750000	-53.9	26.9	-27.0	PASS
5139.750000	-53.9	26.9	-27.0	PASS
5145.750000	-54.0	27.0	-27.0	PASS
5147.750000	-54.0	27.0	-27.0	PASS
5141.250000	-54.0	27.0	-27.0	PASS
5143.750000	-54.1	27.1	-27.0	PASS
5123.250000	-54.1	27.1	-27.0	PASS
5143.250000	-54.1	27.1	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



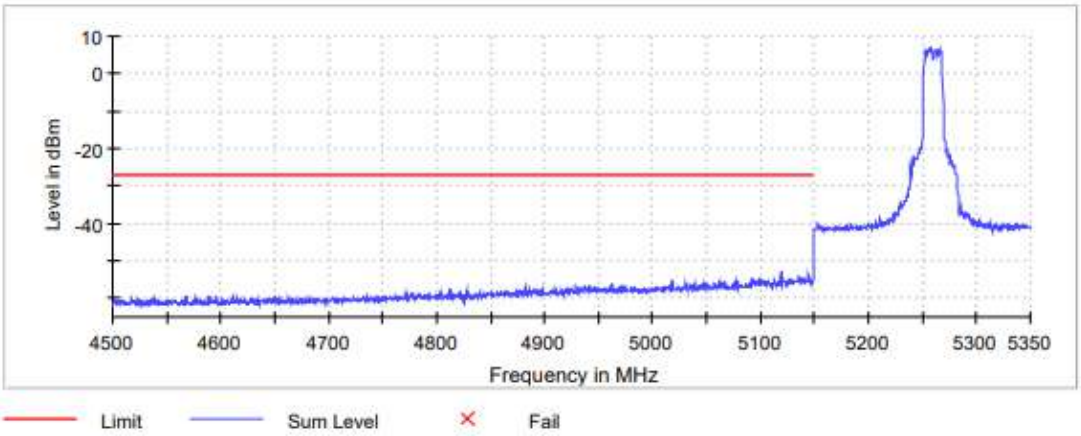
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5353.250000	-35.5	8.5	-27.0	PASS
5351.250000	-35.9	8.9	-27.0	PASS
5352.250000	-36.0	9.0	-27.0	PASS
5350.250000	-36.2	9.2	-27.0	PASS
5352.750000	-36.2	9.2	-27.0	PASS
5350.750000	-36.5	9.5	-27.0	PASS
5355.250000	-36.9	9.9	-27.0	PASS
5351.750000	-37.0	10.0	-27.0	PASS
5355.750000	-37.2	10.2	-27.0	PASS
5354.250000	-37.3	10.3	-27.0	PASS
5356.750000	-37.4	10.4	-27.0	PASS
5353.750000	-37.4	10.4	-27.0	PASS
5356.250000	-37.5	10.5	-27.0	PASS
5357.750000	-37.8	10.8	-27.0	PASS
5357.250000	-38.0	11.0	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

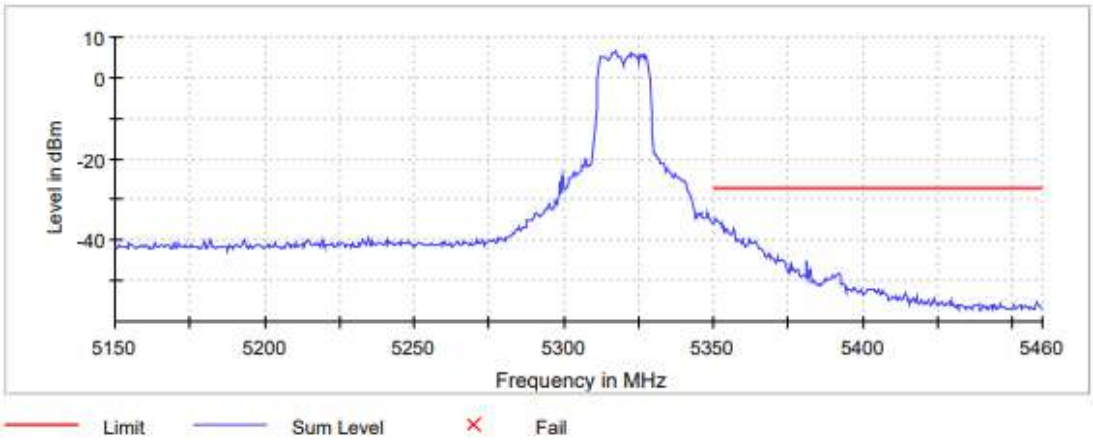
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5119.750000	-53.0	26.0	-27.0	PASS
5120.250000	-53.7	26.7	-27.0	PASS
5144.750000	-53.8	26.8	-27.0	PASS
5135.750000	-54.0	27.0	-27.0	PASS
5136.250000	-54.5	27.5	-27.0	PASS
5139.750000	-54.5	27.5	-27.0	PASS
5126.750000	-54.6	27.6	-27.0	PASS
5146.250000	-54.7	27.7	-27.0	PASS
5139.250000	-54.7	27.7	-27.0	PASS
5118.250000	-54.9	27.9	-27.0	PASS
5145.750000	-54.9	27.9	-27.0	PASS
5092.250000	-55.0	28.0	-27.0	PASS
5149.250000	-55.1	28.1	-27.0	PASS
5133.750000	-55.1	28.1	-27.0	PASS
5098.250000	-55.1	28.1	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



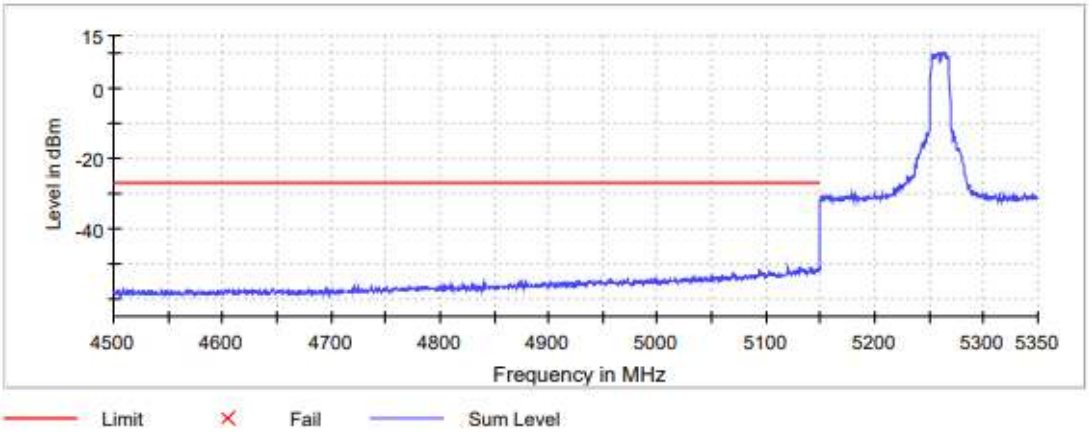
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.750000	-34.7	7.7	-27.0	PASS
5351.250000	-35.1	8.1	-27.0	PASS
5351.750000	-35.3	8.3	-27.0	PASS
5350.250000	-35.6	8.6	-27.0	PASS
5352.250000	-35.7	8.7	-27.0	PASS
5353.250000	-36.3	9.3	-27.0	PASS
5352.750000	-36.7	9.7	-27.0	PASS
5356.750000	-37.2	10.2	-27.0	PASS
5354.250000	-37.3	10.3	-27.0	PASS
5354.750000	-37.8	10.8	-27.0	PASS
5353.750000	-38.0	11.0	-27.0	PASS
5355.250000	-38.2	11.2	-27.0	PASS
5355.750000	-38.6	11.6	-27.0	PASS
5356.250000	-38.8	11.8	-27.0	PASS
5358.250000	-39.7	12.7	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

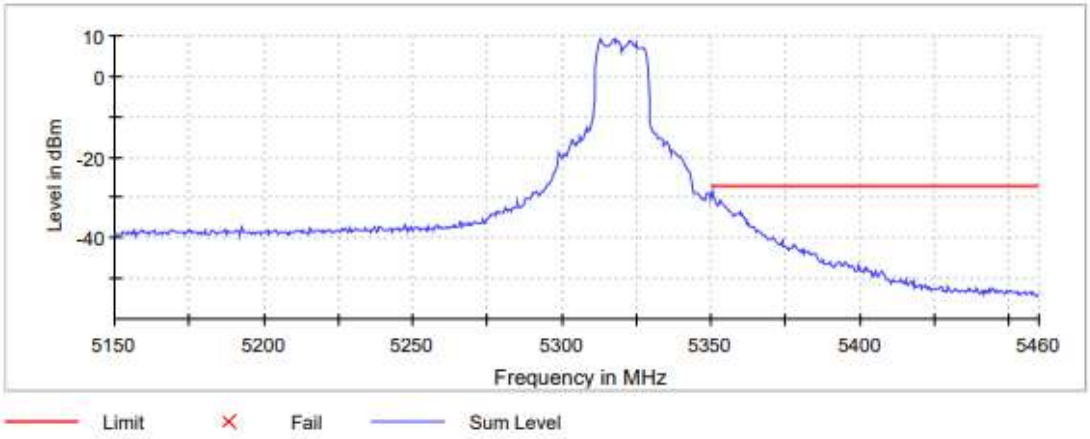
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5140.750000	-50.8	23.8	-27.0	PASS
5129.750000	-51.2	24.2	-27.0	PASS
5120.250000	-51.2	24.2	-27.0	PASS
5130.250000	-51.4	24.4	-27.0	PASS
5146.750000	-51.4	24.4	-27.0	PASS
5131.250000	-51.5	24.5	-27.0	PASS
5093.250000	-51.5	24.5	-27.0	PASS
5119.750000	-51.5	24.5	-27.0	PASS
5146.250000	-51.6	24.6	-27.0	PASS
5142.750000	-51.6	24.6	-27.0	PASS
5132.250000	-51.7	24.7	-27.0	PASS
5142.250000	-51.7	24.7	-27.0	PASS
5148.750000	-51.7	24.7	-27.0	PASS
5137.750000	-51.9	24.9	-27.0	PASS
5130.750000	-51.9	24.9	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



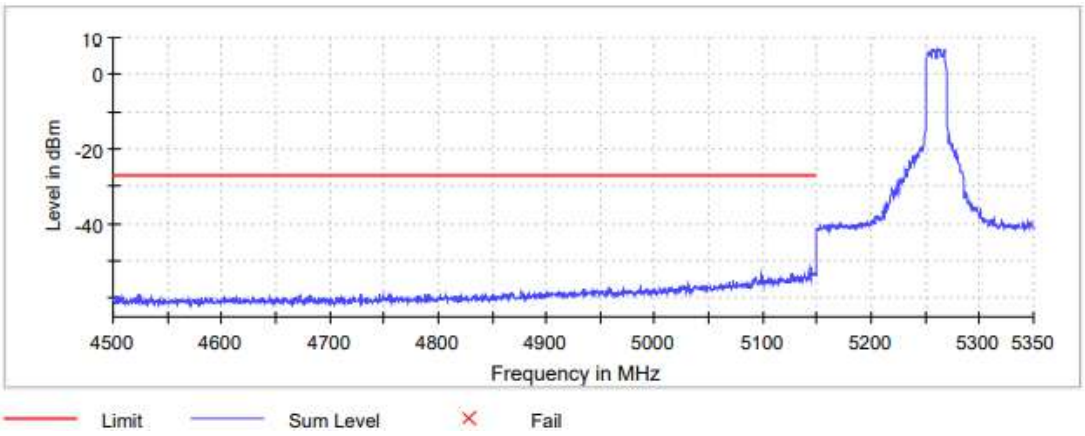
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.250000	-28.6	1.6	-27.0	PASS
5350.750000	-28.8	1.8	-27.0	PASS
5351.250000	-30.4	3.4	-27.0	PASS
5353.250000	-30.7	3.7	-27.0	PASS
5352.750000	-30.9	3.9	-27.0	PASS
5351.750000	-31.4	4.4	-27.0	PASS
5353.750000	-31.7	4.7	-27.0	PASS
5352.250000	-31.8	4.8	-27.0	PASS
5354.250000	-32.2	5.2	-27.0	PASS
5355.250000	-32.3	5.3	-27.0	PASS
5354.750000	-32.4	5.4	-27.0	PASS
5355.750000	-32.9	5.9	-27.0	PASS
5356.250000	-33.2	6.2	-27.0	PASS
5360.250000	-33.8	6.8	-27.0	PASS
5359.250000	-33.9	6.9	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

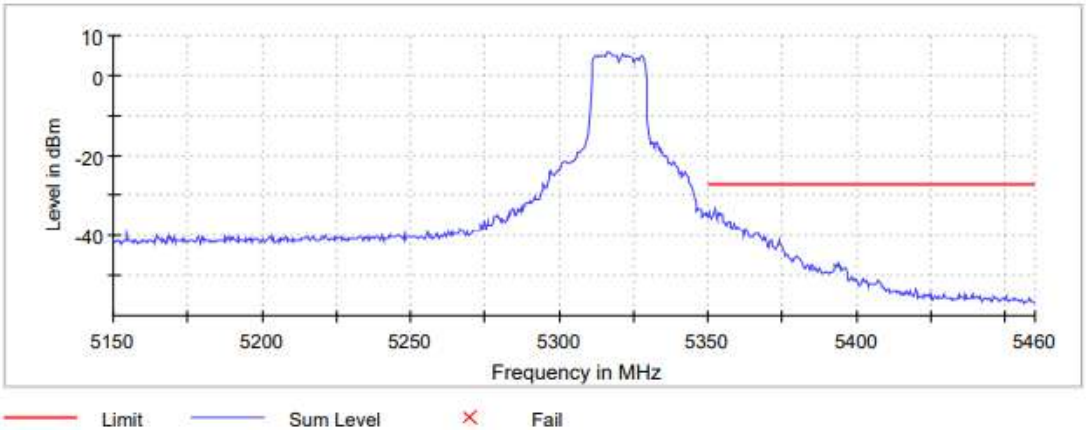
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5144.750000	-51.7	24.7	-27.0	PASS
5149.250000	-53.1	26.1	-27.0	PASS
5142.750000	-53.2	26.2	-27.0	PASS
5146.750000	-53.3	26.3	-27.0	PASS
5145.750000	-53.4	26.4	-27.0	PASS
5126.750000	-53.4	26.4	-27.0	PASS
5147.250000	-53.4	26.4	-27.0	PASS
5145.250000	-53.5	26.5	-27.0	PASS
5148.750000	-53.6	26.6	-27.0	PASS
5149.750000	-53.6	26.6	-27.0	PASS
5148.250000	-53.7	26.7	-27.0	PASS
5147.750000	-53.7	26.7	-27.0	PASS
5138.750000	-53.7	26.7	-27.0	PASS
5146.250000	-53.7	26.7	-27.0	PASS
5099.250000	-53.9	26.9	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



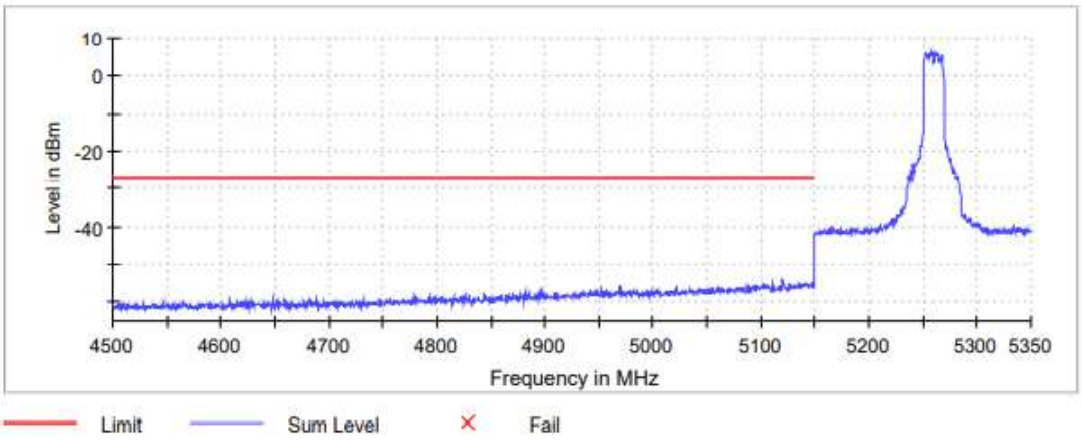
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5352.250000	-33.4	6.4	-27.0	PASS
5353.750000	-34.2	7.2	-27.0	PASS
5350.250000	-34.4	7.4	-27.0	PASS
5350.750000	-34.5	7.5	-27.0	PASS
5354.750000	-34.7	7.7	-27.0	PASS
5351.750000	-34.7	7.7	-27.0	PASS
5354.250000	-34.8	7.8	-27.0	PASS
5353.250000	-34.9	7.9	-27.0	PASS
5352.750000	-35.5	8.5	-27.0	PASS
5351.250000	-35.5	8.5	-27.0	PASS
5355.750000	-36.5	9.5	-27.0	PASS
5356.750000	-36.5	9.5	-27.0	PASS
5357.250000	-36.5	9.5	-27.0	PASS
5355.250000	-36.5	9.5	-27.0	PASS
5358.750000	-36.8	9.8	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

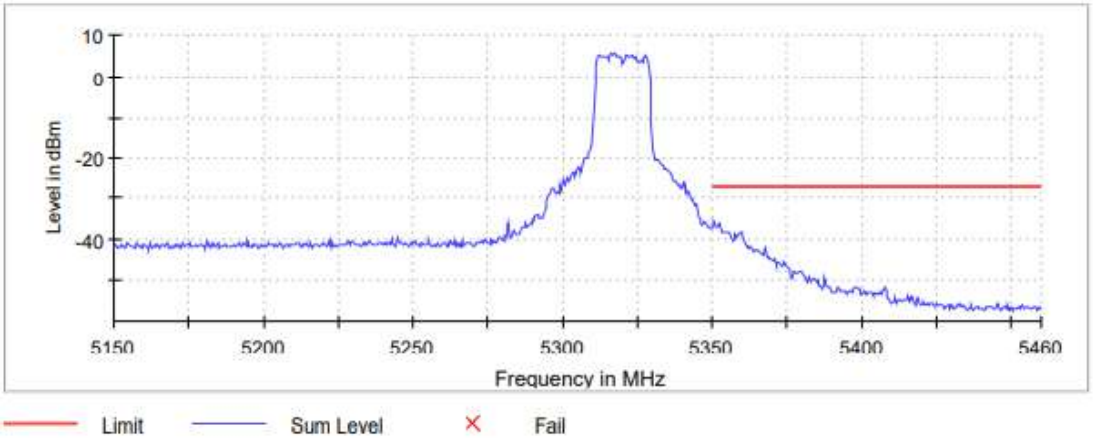
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5119.750000	-54.2	27.2	-27.0	PASS
5120.250000	-54.3	27.3	-27.0	PASS
5147.250000	-54.7	27.7	-27.0	PASS
5135.750000	-55.0	28.0	-27.0	PASS
5142.750000	-55.0	28.0	-27.0	PASS
5147.750000	-55.0	28.0	-27.0	PASS
5140.250000	-55.0	28.0	-27.0	PASS
5142.250000	-55.1	28.1	-27.0	PASS
5143.750000	-55.1	28.1	-27.0	PASS
5111.750000	-55.2	28.2	-27.0	PASS
5138.750000	-55.2	28.2	-27.0	PASS
5126.250000	-55.2	28.2	-27.0	PASS
5137.250000	-55.2	28.2	-27.0	PASS
5149.750000	-55.3	28.3	-27.0	PASS
5102.750000	-55.3	28.3	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



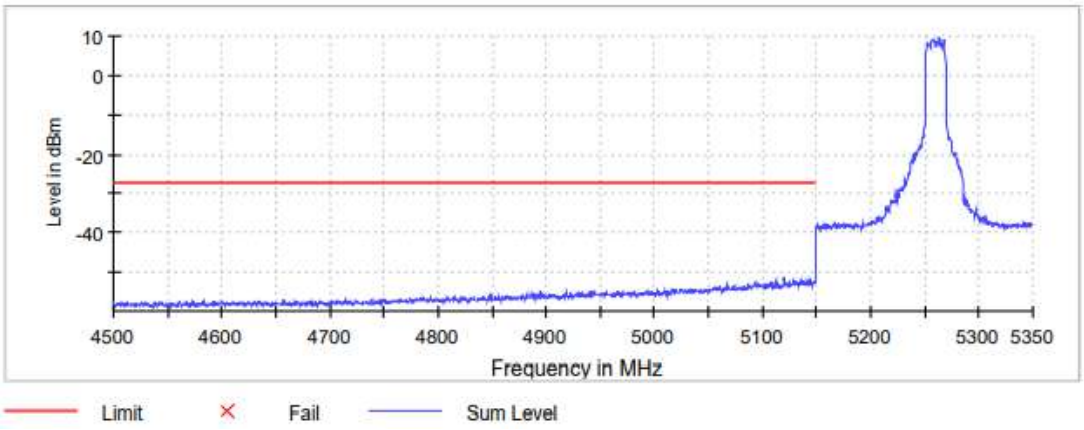
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.750000	-35.5	8.5	-27.0	PASS
5350.250000	-35.8	8.8	-27.0	PASS
5352.250000	-36.1	9.1	-27.0	PASS
5351.750000	-36.6	9.6	-27.0	PASS
5351.250000	-36.6	9.6	-27.0	PASS
5352.750000	-37.7	10.7	-27.0	PASS
5354.250000	-38.1	11.1	-27.0	PASS
5353.250000	-38.1	11.1	-27.0	PASS
5353.750000	-38.1	11.1	-27.0	PASS
5359.750000	-38.1	11.1	-27.0	PASS
5355.750000	-38.2	11.2	-27.0	PASS
5354.750000	-38.3	11.3	-27.0	PASS
5355.250000	-38.3	11.3	-27.0	PASS
5359.250000	-38.3	11.3	-27.0	PASS
5357.750000	-38.4	11.4	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

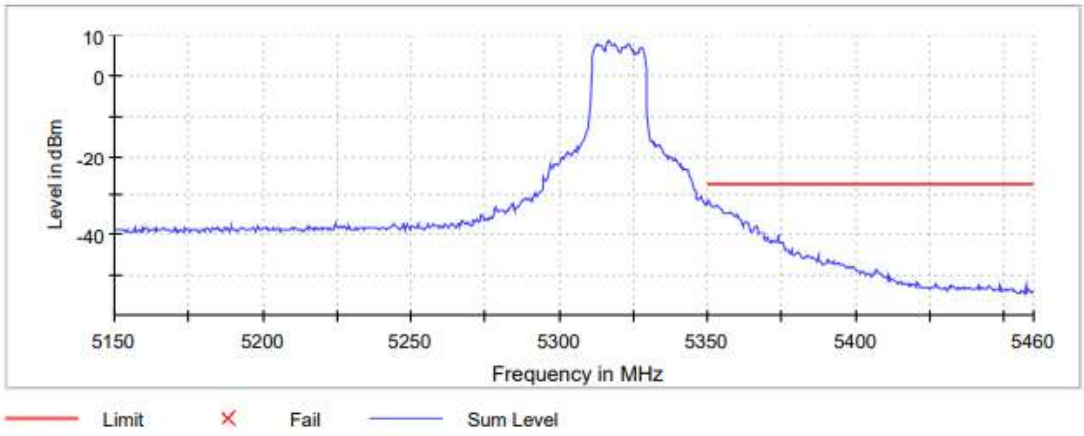
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5119.750000	-51.3	24.3	-27.0	PASS
5120.250000	-51.8	24.8	-27.0	PASS
5143.750000	-51.9	24.9	-27.0	PASS
5128.750000	-52.1	25.1	-27.0	PASS
5144.750000	-52.1	25.1	-27.0	PASS
5143.250000	-52.1	25.1	-27.0	PASS
5141.250000	-52.1	25.1	-27.0	PASS
5134.750000	-52.2	25.2	-27.0	PASS
5137.250000	-52.3	25.3	-27.0	PASS
5140.750000	-52.3	25.3	-27.0	PASS
5112.250000	-52.3	25.3	-27.0	PASS
5149.250000	-52.4	25.4	-27.0	PASS
5107.250000	-52.4	25.4	-27.0	PASS
5142.750000	-52.5	25.5	-27.0	PASS
5137.750000	-52.5	25.5	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



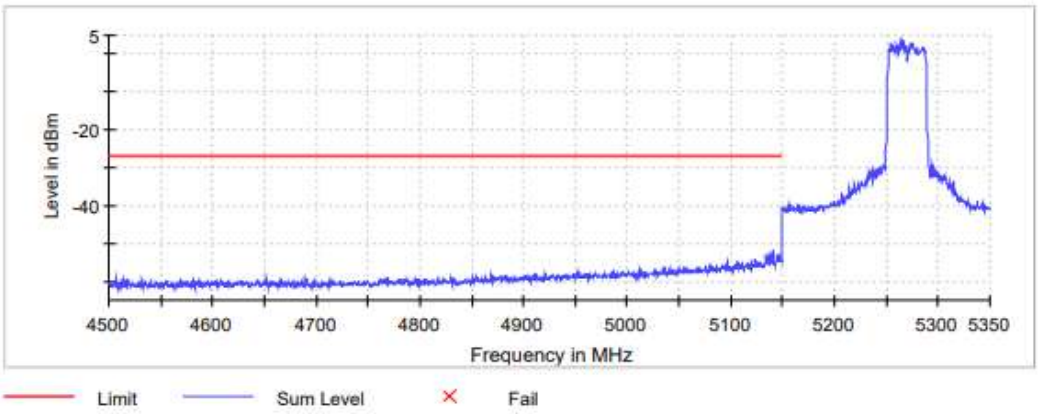
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.250000	-31.6	4.6	-27.0	PASS
5350.750000	-32.2	5.2	-27.0	PASS
5351.250000	-32.4	5.4	-27.0	PASS
5353.250000	-32.5	5.5	-27.0	PASS
5352.750000	-32.6	5.6	-27.0	PASS
5351.750000	-32.7	5.7	-27.0	PASS
5352.250000	-32.8	5.8	-27.0	PASS
5353.750000	-33.1	6.1	-27.0	PASS
5354.250000	-33.3	6.3	-27.0	PASS
5354.750000	-33.8	6.8	-27.0	PASS
5357.250000	-34.0	7.0	-27.0	PASS
5355.250000	-34.3	7.3	-27.0	PASS
5356.750000	-34.5	7.5	-27.0	PASS
5355.750000	-34.6	7.6	-27.0	PASS
5357.750000	-34.6	7.6	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 40 MHz

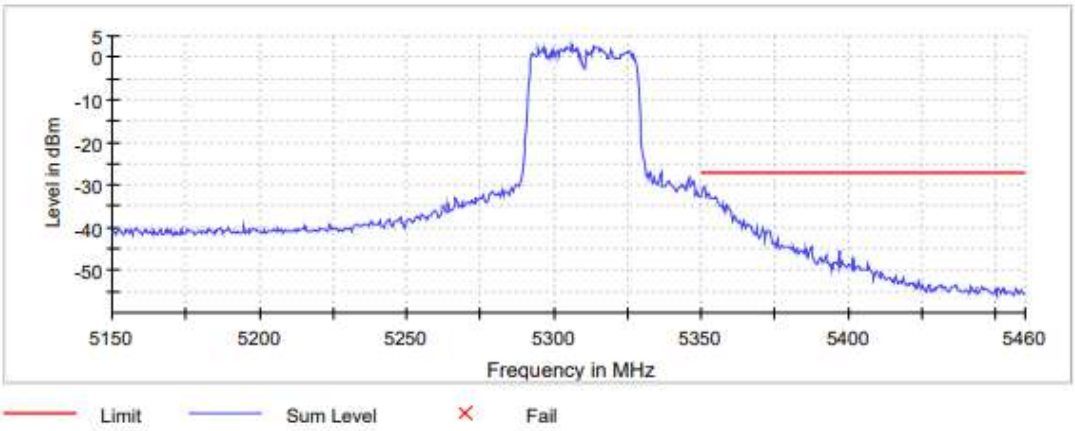
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5140.250000	-52.0	25.0	-27.0	PASS
5139.250000	-53.1	26.1	-27.0	PASS
5137.750000	-53.1	26.1	-27.0	PASS
5144.750000	-53.1	26.1	-27.0	PASS
5145.250000	-53.2	26.2	-27.0	PASS
5134.250000	-53.3	26.3	-27.0	PASS
5147.250000	-53.5	26.5	-27.0	PASS
5149.750000	-53.6	26.6	-27.0	PASS
5148.250000	-53.6	26.6	-27.0	PASS
5134.750000	-53.6	26.6	-27.0	PASS
5140.750000	-53.7	26.7	-27.0	PASS
5144.250000	-53.8	26.8	-27.0	PASS
5138.250000	-53.9	26.9	-27.0	PASS
5135.250000	-54.0	27.0	-27.0	PASS
5146.250000	-54.0	27.0	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



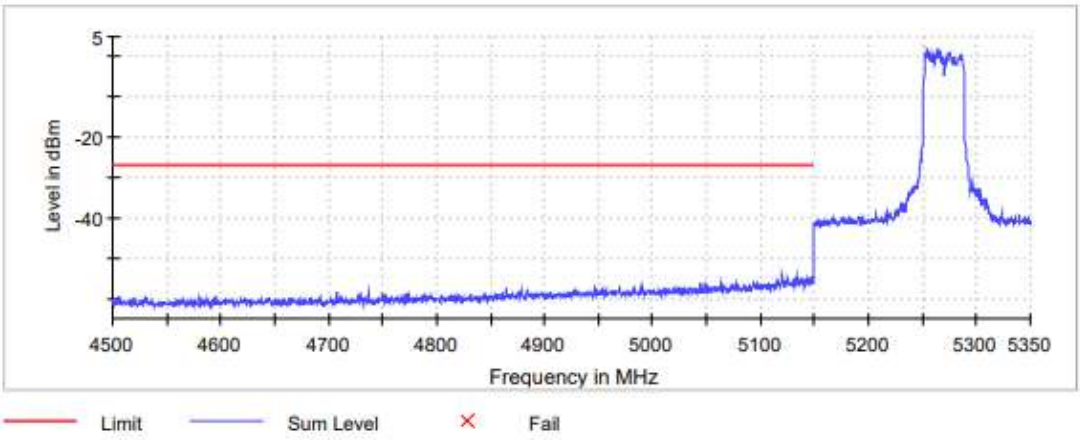
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5351.250000	-30.5	3.5	-27.0	PASS
5350.750000	-30.6	3.6	-27.0	PASS
5350.250000	-31.2	4.2	-27.0	PASS
5352.250000	-32.0	5.0	-27.0	PASS
5355.250000	-32.6	5.6	-27.0	PASS
5352.750000	-32.6	5.6	-27.0	PASS
5354.750000	-32.6	5.6	-27.0	PASS
5351.750000	-32.7	5.7	-27.0	PASS
5353.750000	-33.1	6.1	-27.0	PASS
5354.250000	-33.1	6.1	-27.0	PASS
5353.250000	-33.2	6.2	-27.0	PASS
5355.750000	-34.1	7.1	-27.0	PASS
5356.250000	-34.8	7.8	-27.0	PASS
5357.750000	-34.9	7.9	-27.0	PASS
5358.750000	-35.0	8.0	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 40 MHz

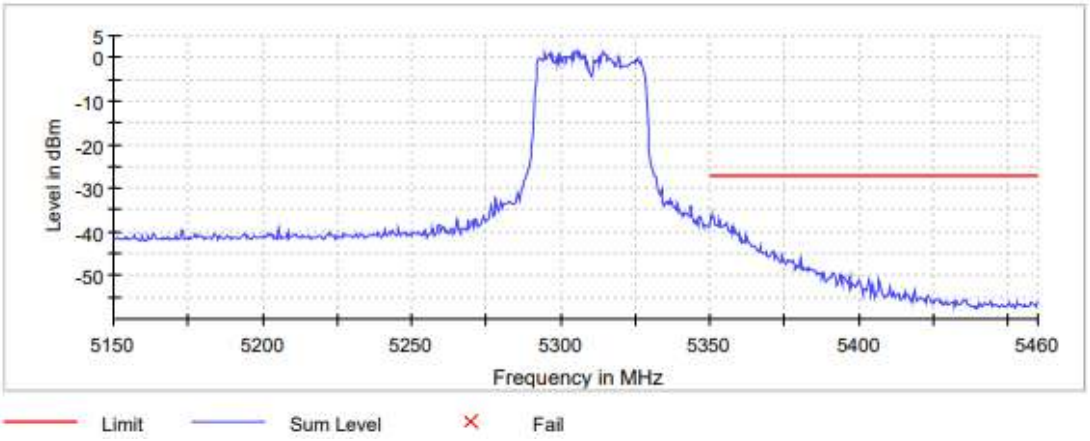
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5120.250000	-54.0	27.0	-27.0	PASS
5119.750000	-54.3	27.3	-27.0	PASS
5147.250000	-54.4	27.4	-27.0	PASS
5132.750000	-54.5	27.5	-27.0	PASS
5136.750000	-54.8	27.8	-27.0	PASS
5133.250000	-54.9	27.9	-27.0	PASS
5125.250000	-55.0	28.0	-27.0	PASS
5143.750000	-55.1	28.1	-27.0	PASS
5149.750000	-55.2	28.2	-27.0	PASS
5147.750000	-55.2	28.2	-27.0	PASS
5144.250000	-55.3	28.3	-27.0	PASS
5138.250000	-55.4	28.4	-27.0	PASS
5130.750000	-55.4	28.4	-27.0	PASS
5146.750000	-55.5	28.5	-27.0	PASS
5131.250000	-55.5	28.5	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



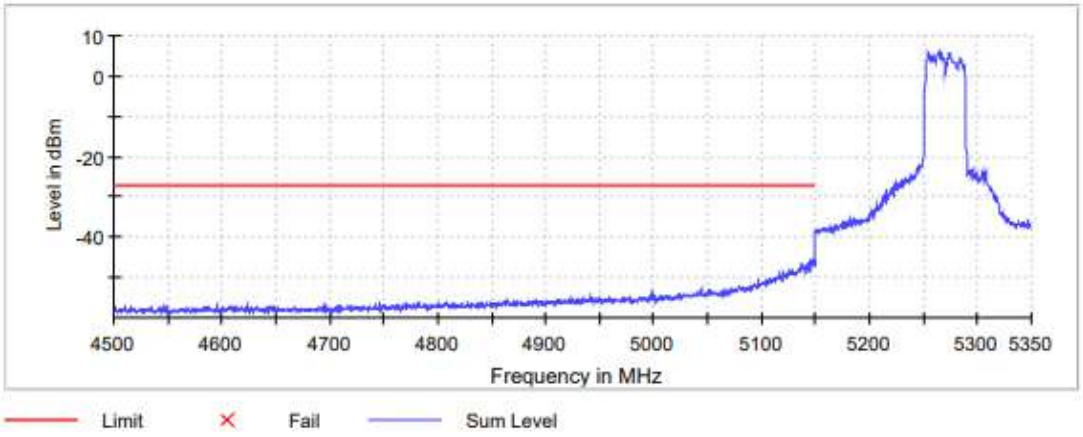
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5351.250000	-36.3	9.3	-27.0	PASS
5350.250000	-36.5	9.5	-27.0	PASS
5350.750000	-36.7	9.7	-27.0	PASS
5353.250000	-37.4	10.4	-27.0	PASS
5355.750000	-37.9	10.9	-27.0	PASS
5355.250000	-38.5	11.5	-27.0	PASS
5354.750000	-38.5	11.5	-27.0	PASS
5351.750000	-38.5	11.5	-27.0	PASS
5352.250000	-38.7	11.7	-27.0	PASS
5353.750000	-38.7	11.7	-27.0	PASS
5352.750000	-38.8	11.8	-27.0	PASS
5357.250000	-38.8	11.8	-27.0	PASS
5354.250000	-39.0	12.0	-27.0	PASS
5358.250000	-39.1	12.1	-27.0	PASS
5356.250000	-39.7	12.7	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 40 MHz

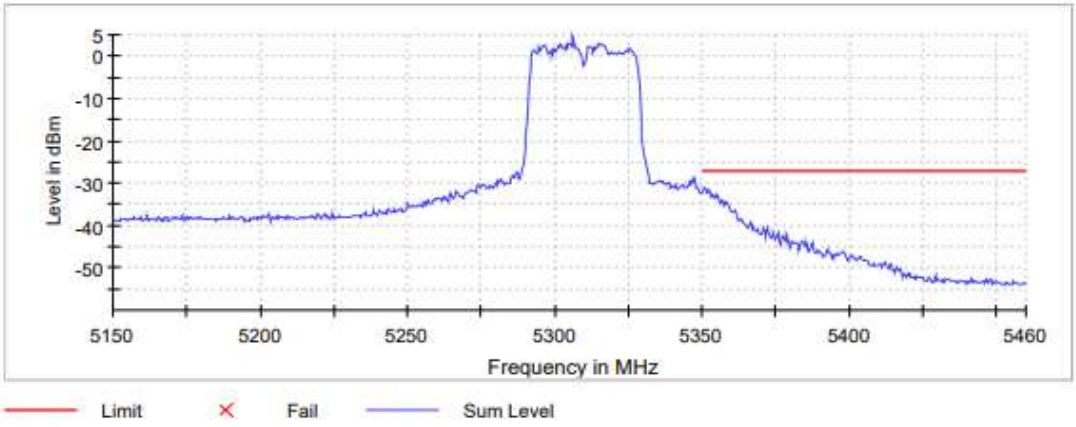
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.750000	-45.7	18.7	-27.0	PASS
5147.250000	-45.8	18.8	-27.0	PASS
5148.750000	-46.1	19.1	-27.0	PASS
5146.250000	-46.1	19.1	-27.0	PASS
5148.250000	-46.3	19.3	-27.0	PASS
5137.250000	-46.4	19.4	-27.0	PASS
5143.250000	-46.5	19.5	-27.0	PASS
5136.750000	-46.7	19.7	-27.0	PASS
5147.750000	-46.9	19.9	-27.0	PASS
5140.750000	-46.9	19.9	-27.0	PASS
5140.250000	-47.1	20.1	-27.0	PASS
5149.750000	-47.1	20.1	-27.0	PASS
5145.750000	-47.1	20.1	-27.0	PASS
5139.750000	-47.2	20.2	-27.0	PASS
5149.250000	-47.2	20.2	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



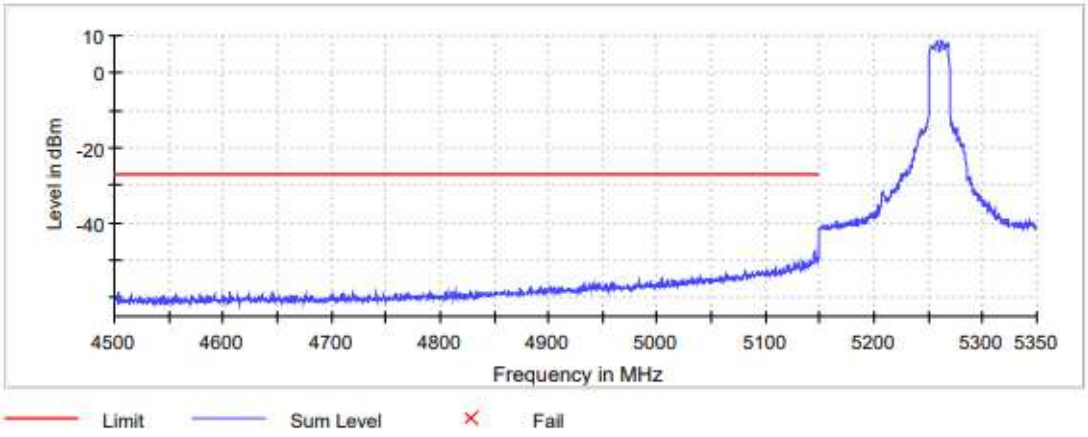
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.750000	-31.1	4.1	-27.0	PASS
5351.250000	-31.2	4.2	-27.0	PASS
5350.250000	-31.6	4.6	-27.0	PASS
5352.250000	-31.6	4.6	-27.0	PASS
5351.750000	-32.4	5.4	-27.0	PASS
5352.750000	-32.8	5.8	-27.0	PASS
5355.250000	-32.8	5.8	-27.0	PASS
5353.750000	-32.9	5.9	-27.0	PASS
5353.250000	-33.1	6.1	-27.0	PASS
5354.750000	-33.2	6.2	-27.0	PASS
5355.750000	-33.6	6.6	-27.0	PASS
5354.250000	-33.7	6.7	-27.0	PASS
5356.750000	-33.9	6.9	-27.0	PASS
5358.250000	-34.6	7.6	-27.0	PASS
5357.250000	-34.6	7.6	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

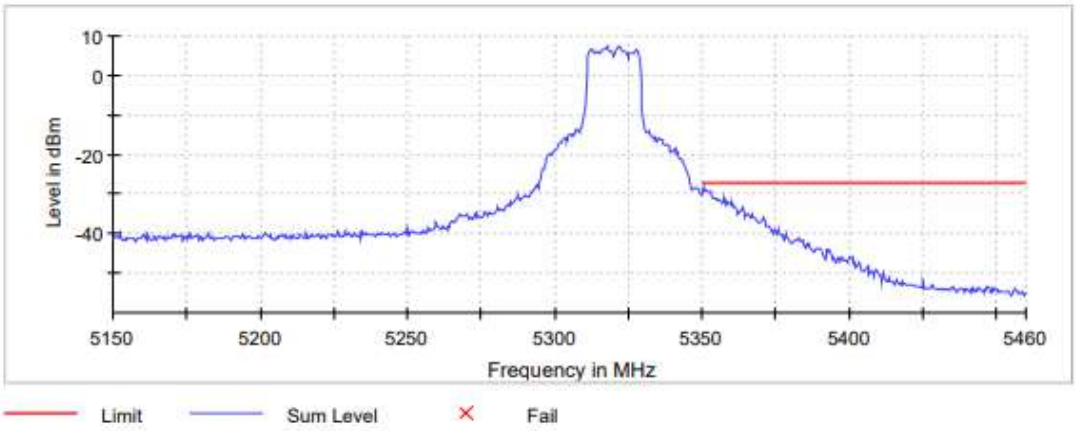
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5145.250000	-47.5	20.5	-27.0	PASS
5144.750000	-48.6	21.6	-27.0	PASS
5149.750000	-48.8	21.8	-27.0	PASS
5149.250000	-48.8	21.8	-27.0	PASS
5147.250000	-48.9	21.9	-27.0	PASS
5144.250000	-48.9	21.9	-27.0	PASS
5148.750000	-49.5	22.5	-27.0	PASS
5146.250000	-49.7	22.7	-27.0	PASS
5147.750000	-49.7	22.7	-27.0	PASS
5145.750000	-49.9	22.9	-27.0	PASS
5143.750000	-49.9	22.9	-27.0	PASS
5148.250000	-50.0	23.0	-27.0	PASS
5140.750000	-50.2	23.2	-27.0	PASS
5146.750000	-50.3	23.3	-27.0	PASS
5134.250000	-50.3	23.3	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



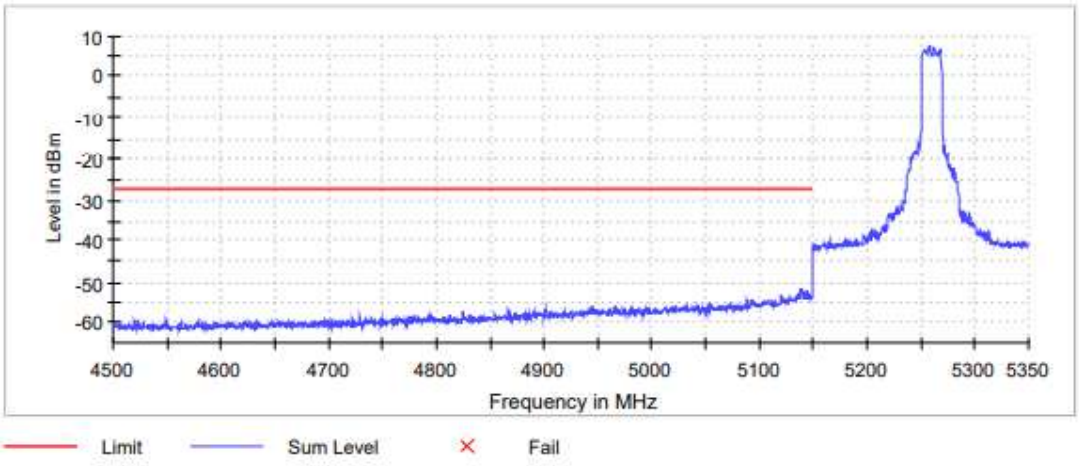
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.250000	-28.7	1.7	-27.0	PASS
5351.250000	-29.1	2.1	-27.0	PASS
5350.750000	-29.3	2.3	-27.0	PASS
5351.750000	-29.5	2.5	-27.0	PASS
5352.250000	-29.5	2.5	-27.0	PASS
5352.750000	-29.6	2.6	-27.0	PASS
5353.250000	-30.2	3.2	-27.0	PASS
5357.750000	-30.9	3.9	-27.0	PASS
5354.250000	-31.1	4.1	-27.0	PASS
5354.750000	-31.1	4.1	-27.0	PASS
5353.750000	-31.3	4.3	-27.0	PASS
5355.250000	-31.4	4.4	-27.0	PASS
5355.750000	-31.4	4.4	-27.0	PASS
5356.250000	-31.7	4.7	-27.0	PASS
5357.250000	-32.1	5.1	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

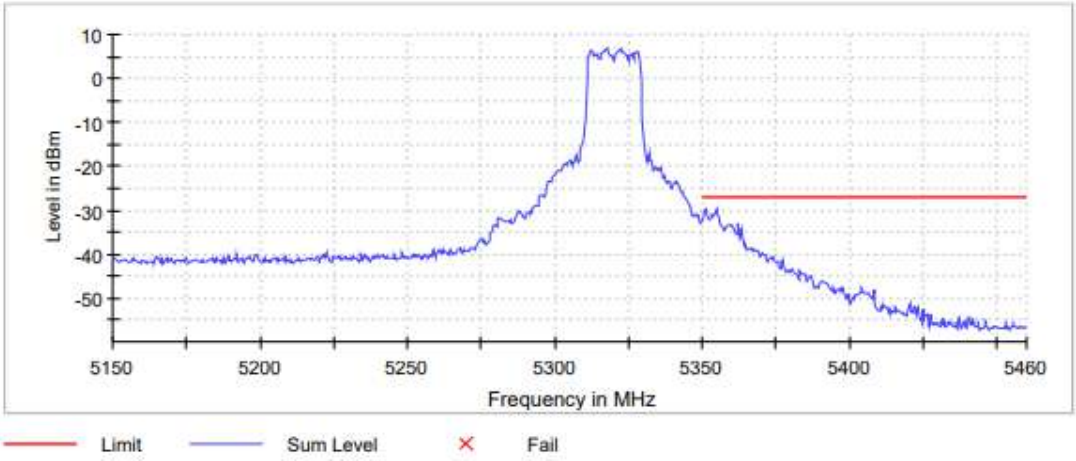
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5138.750000	-51.5	24.5	-27.0	PASS
5144.250000	-51.7	24.7	-27.0	PASS
5138.250000	-51.8	24.8	-27.0	PASS
5142.250000	-52.0	25.0	-27.0	PASS
5141.250000	-52.3	25.3	-27.0	PASS
5139.250000	-52.4	25.4	-27.0	PASS
5146.250000	-52.5	25.5	-27.0	PASS
5149.750000	-52.6	25.6	-27.0	PASS
5136.250000	-52.7	25.7	-27.0	PASS
5139.750000	-52.8	25.8	-27.0	PASS
5147.750000	-53.0	26.0	-27.0	PASS
5120.250000	-53.0	26.0	-27.0	PASS
5119.750000	-53.1	26.1	-27.0	PASS
5135.750000	-53.1	26.1	-27.0	PASS
5141.750000	-53.2	26.2	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



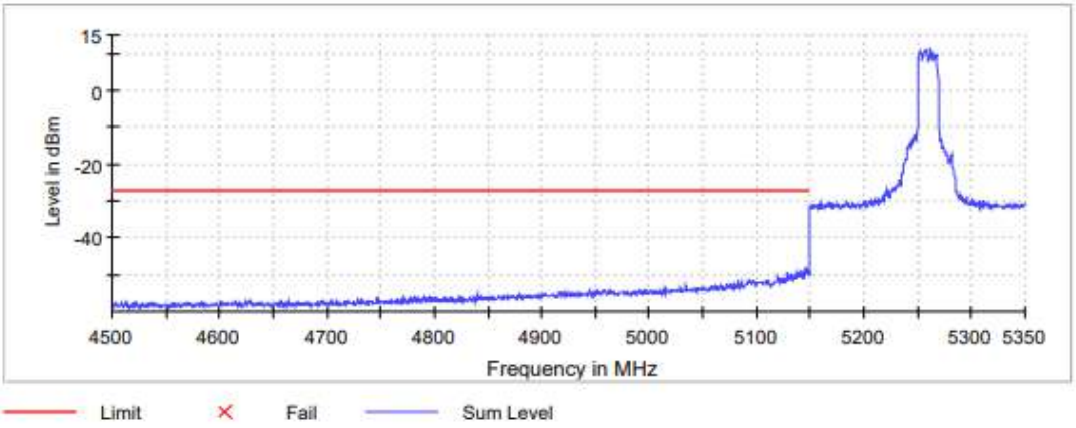
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5351.250000	-29.9	2.9	-27.0	PASS
5354.750000	-30.0	3.0	-27.0	PASS
5350.750000	-30.7	3.7	-27.0	PASS
5354.250000	-30.7	3.7	-27.0	PASS
5355.250000	-30.8	3.8	-27.0	PASS
5353.250000	-31.2	4.2	-27.0	PASS
5351.750000	-31.2	4.2	-27.0	PASS
5355.750000	-31.4	4.4	-27.0	PASS
5350.250000	-31.5	4.5	-27.0	PASS
5353.750000	-31.5	4.5	-27.0	PASS
5352.750000	-31.6	4.6	-27.0	PASS
5352.250000	-32.1	5.1	-27.0	PASS
5362.250000	-33.0	6.0	-27.0	PASS
5356.250000	-33.2	6.2	-27.0	PASS
5359.250000	-33.4	6.4	-27.0	PASS

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

Maximum declared antenna gain: -2.8 dBi

Bandwidth: 20 MHz

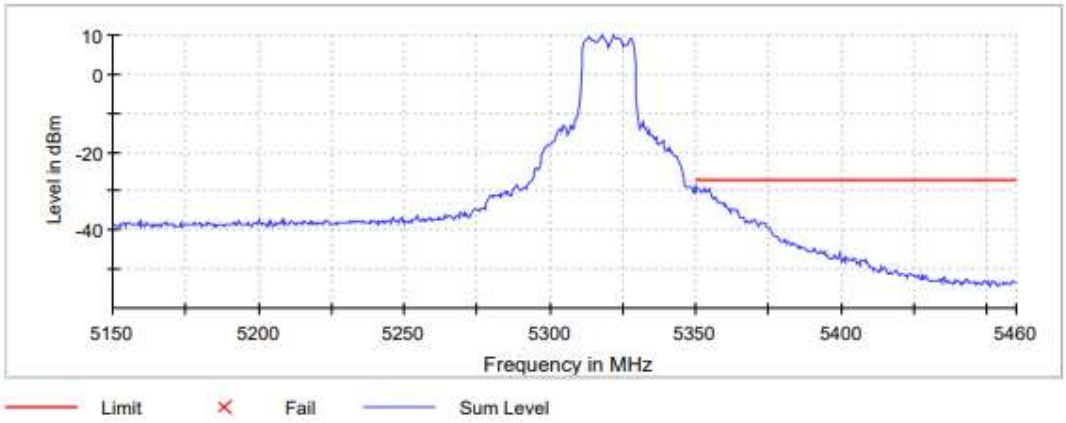
Lowest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-48.9	21.9	-27.0	PASS
5146.250000	-48.9	21.9	-27.0	PASS
5145.250000	-49.0	22.0	-27.0	PASS
5128.250000	-49.0	22.0	-27.0	PASS
5142.750000	-49.0	22.0	-27.0	PASS
5145.750000	-49.1	22.1	-27.0	PASS
5147.750000	-49.2	22.2	-27.0	PASS
5147.250000	-49.2	22.2	-27.0	PASS
5148.750000	-49.2	22.2	-27.0	PASS
5143.250000	-49.2	22.2	-27.0	PASS
5142.250000	-49.3	22.3	-27.0	PASS
5141.250000	-49.4	22.4	-27.0	PASS
5136.250000	-49.5	22.5	-27.0	PASS
5146.750000	-49.5	22.5	-27.0	PASS
5144.250000	-49.5	22.5	-27.0	PASS

TEST RESULTS (Cont.)	

Highest Channel



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.750000	-29.2	2.2	-27.0	PASS
5351.250000	-29.3	2.3	-27.0	PASS
5350.250000	-29.3	2.3	-27.0	PASS
5354.750000	-29.5	2.5	-27.0	PASS
5353.250000	-29.5	2.5	-27.0	PASS
5354.250000	-29.7	2.7	-27.0	PASS
5352.750000	-30.0	3.0	-27.0	PASS
5351.750000	-30.0	3.0	-27.0	PASS
5353.750000	-30.2	3.2	-27.0	PASS
5352.250000	-30.3	3.3	-27.0	PASS
5355.250000	-30.4	3.4	-27.0	PASS
5355.750000	-31.4	4.4	-27.0	PASS
5356.750000	-31.4	4.4	-27.0	PASS
5356.250000	-32.2	5.2	-27.0	PASS
5357.250000	-32.8	5.8	-27.0	PASS