

TEST C.3: POWER LIMITS. MAXIMUM OUTPUT POWER

LIMITS:	Product standard:	Part 15 Subpart C §15.407, KDB 662911 D01 and RSS-247
	Test standard:	Part 15 Subpart C §15.407(a) (3) (4), KDB 662911 D01 E) 1 and RSS-247 6.2.4.1

LIMITS

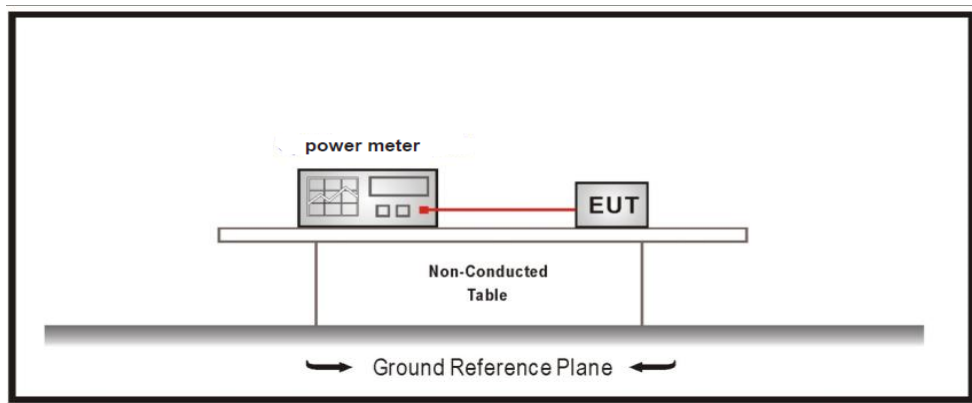
In band 5.725- 5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of 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

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

For MIMO: The measured values from the two ports were summed by using the measure-and-sum technique in E) 1) of KDB 662911 D01 Multiple Transmitter Output v02r01 and based on two ports, port 1 and 2 (or port 3 and 4) transmitting at the same time in the 2X2 MIMO mode.



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (a mode Chip 1 SISO)
TEST RESULTS:	PASS

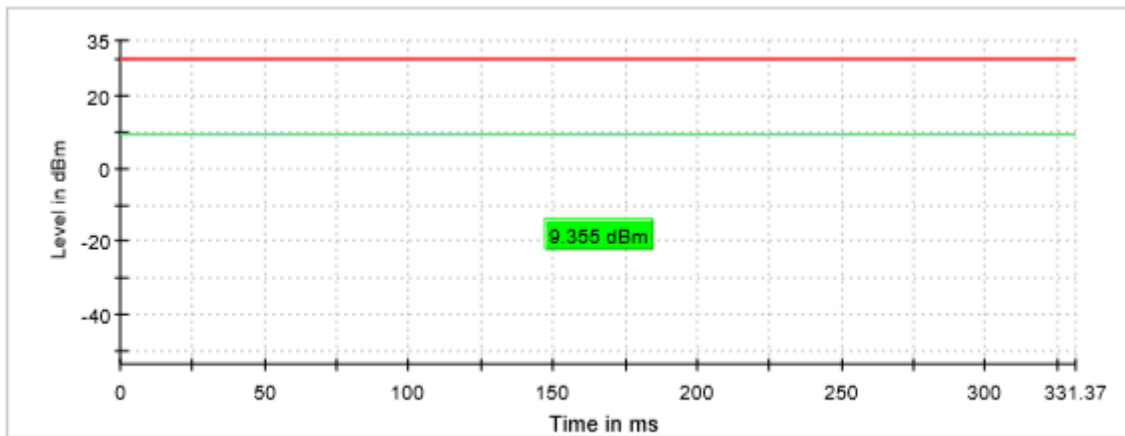
Port 2

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	9.4	9.3	8.7
Maximum EIRP power(dBm)	13.9	13.8	13.2
Measurement uncertainty (kHz)	<± 0.78		

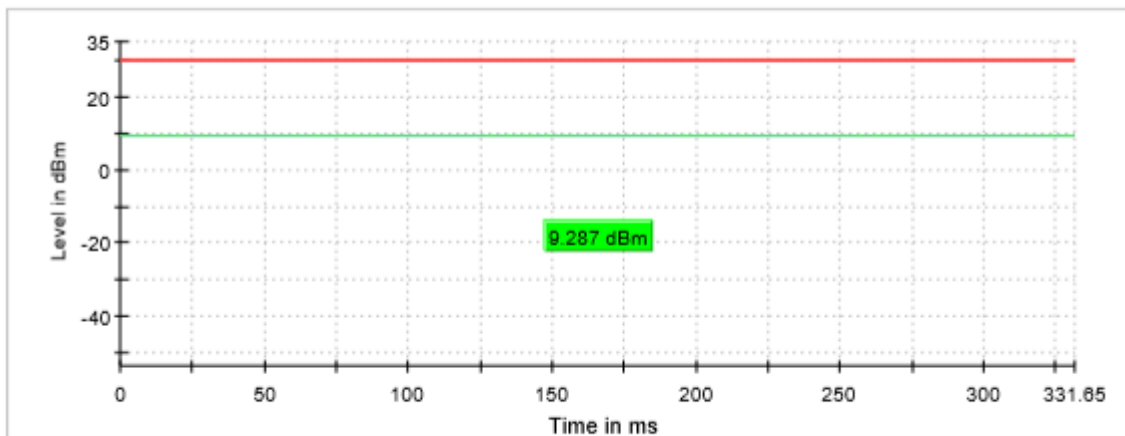
TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



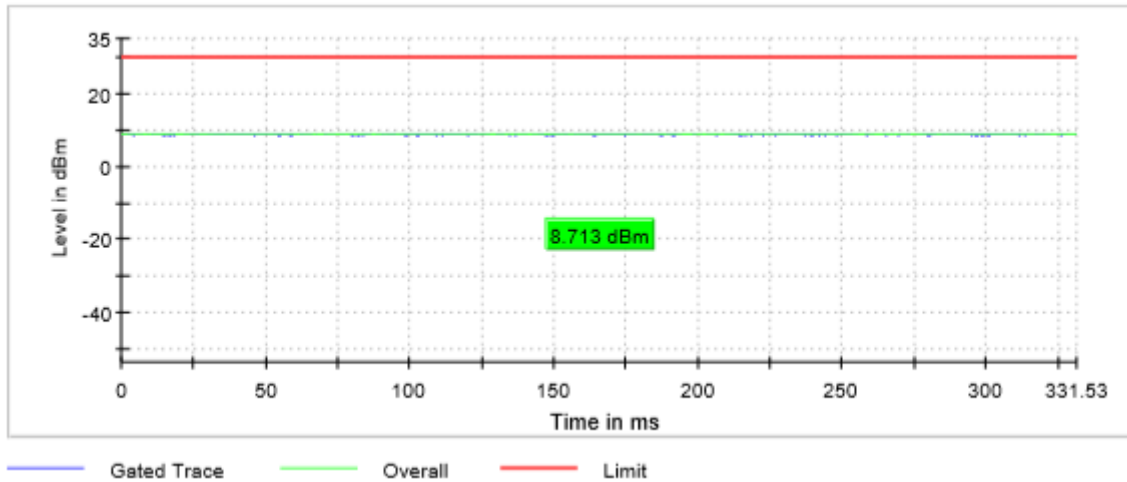
— Gated Trace — Overall — Limit

Middle Channel



— Gated Trace — Overall — Limit

Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (a mode Chip 2 SISO)
TEST RESULTS:	PASS

Port 4

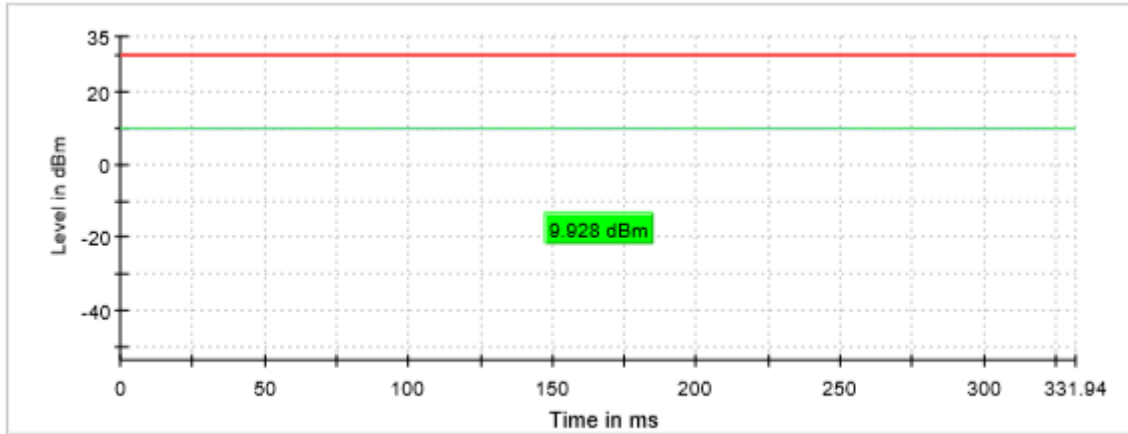
Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	9.9	9.4	8.4
Maximum EIRP power(dBm)	14.4	13.9	12.9
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

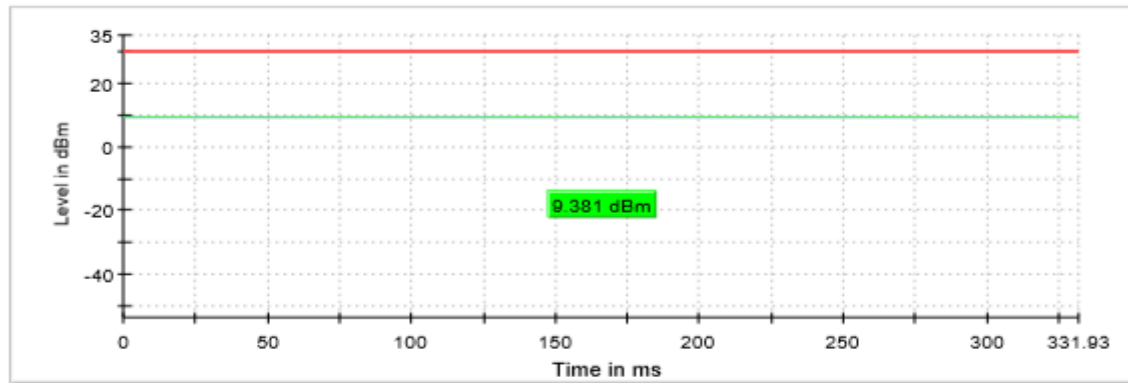
CONDUCTED OUTPUT POWER

Lowest Channel



— Gated Trace — Overall — Limit

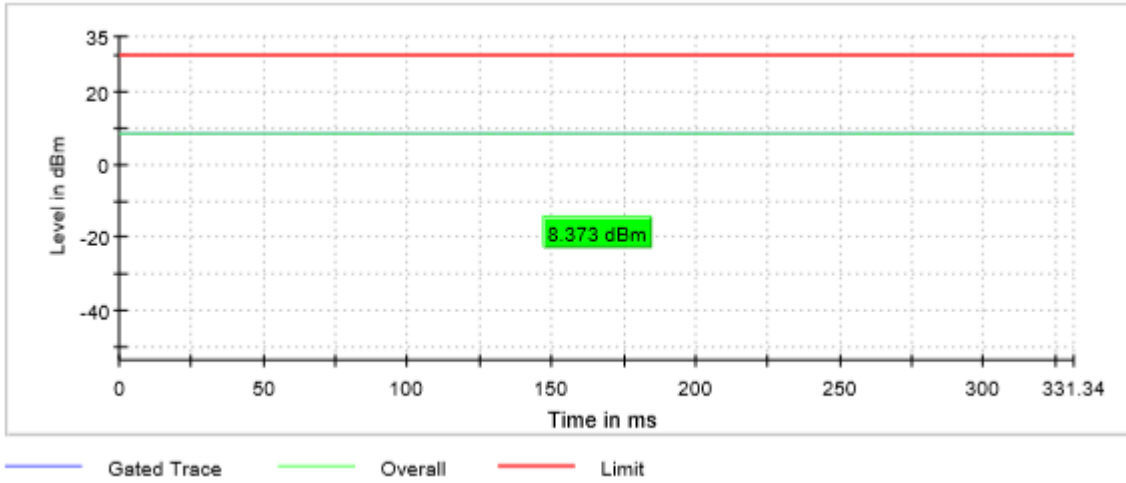
Middle Channel



— Gated Trace — Overall — Limit

TEST RESULTS (Cont.):

Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 1 SISO)
TEST RESULTS:	PASS

Port 2

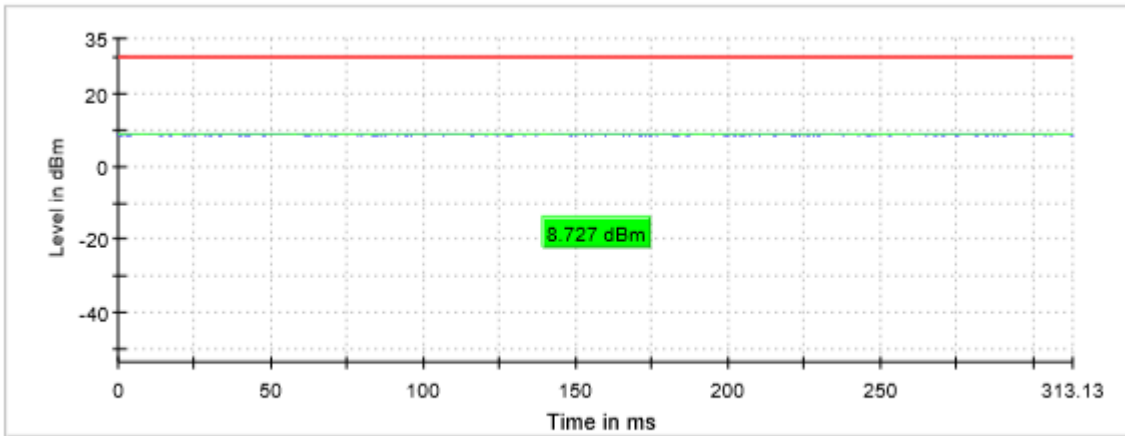
Maximum declared antenna gain: 4.5 dBi

	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Maximum conducted power(dBm)	8.7	8.9	8.4
Maximum EIRP power(dBm)	13.2	13.4	12.9
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

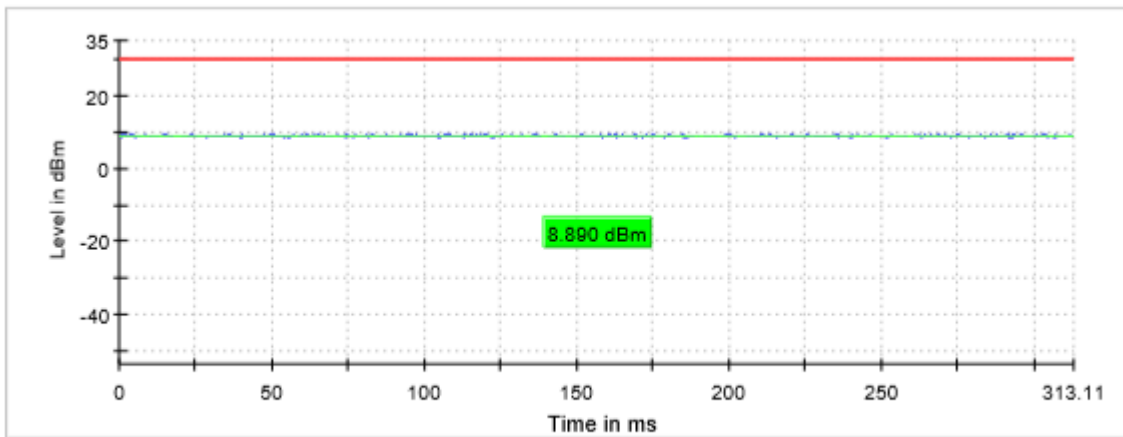
CONDUCTED OUTPUT POWER

Lowest Channel



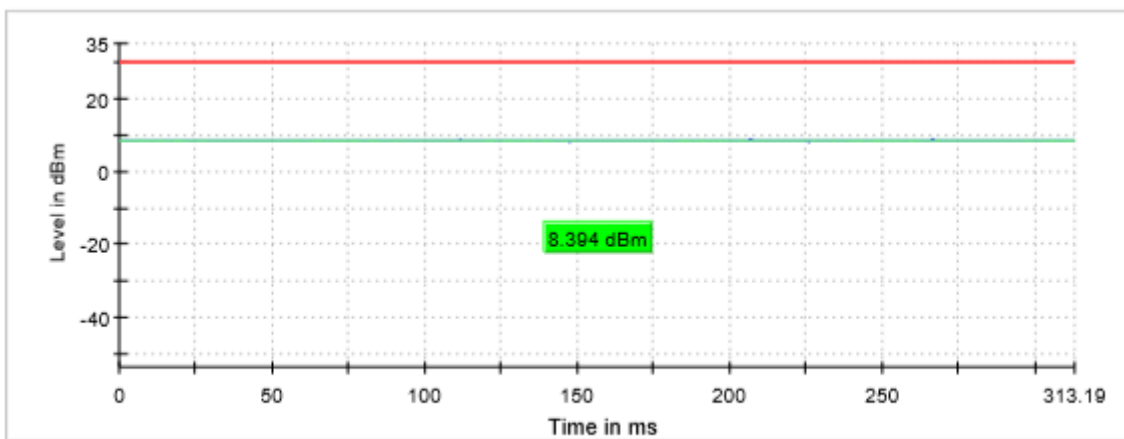
— Gated Trace — Overall — Limit

Middle Channel



— Gated Trace — Overall — Limit

Highest Channel



— Gated Trace — Overall — Limit

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 2 SISO)
TEST RESULTS:	PASS

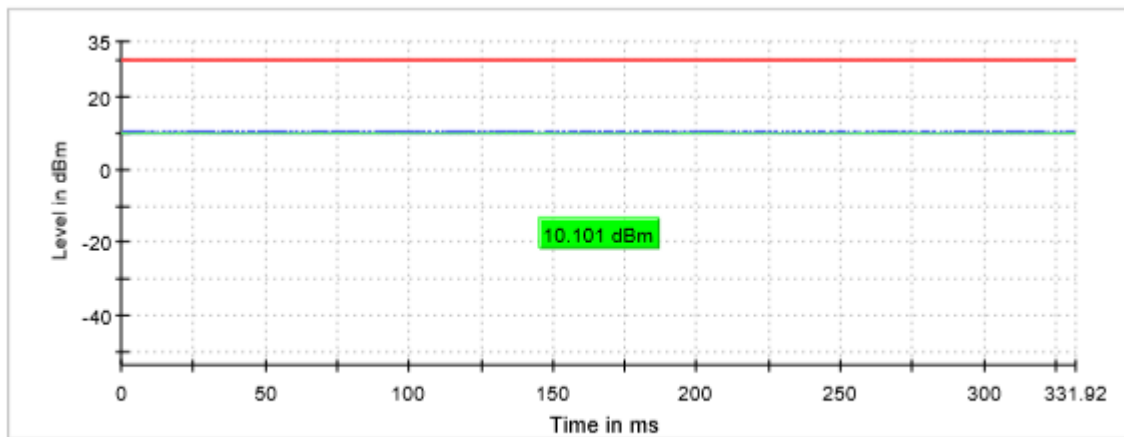
Port 4

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	10.1	9.6	9.1
Maximum EIRP power(dBm)	14.6	14.1	13.6
Measurement uncertainty (kHz)	<± 0.78		

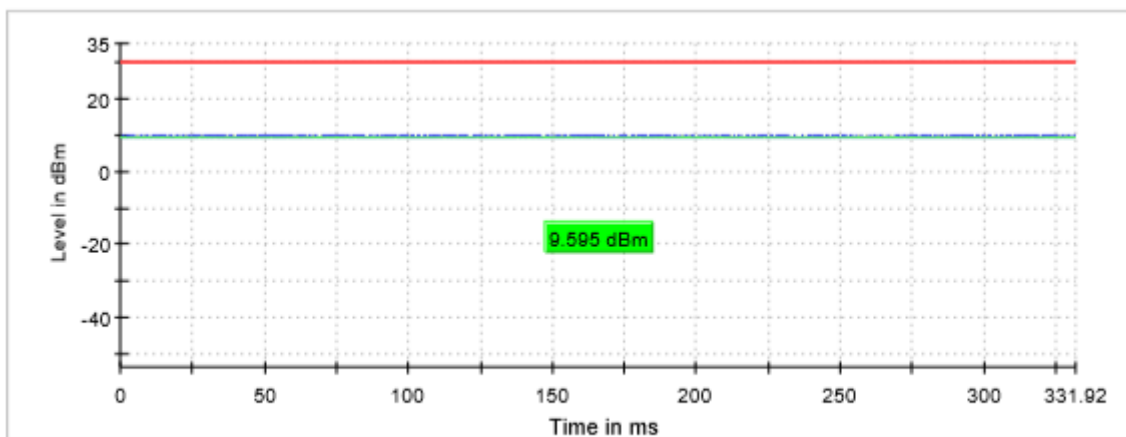
TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



— Gated Trace — Overall — Limit

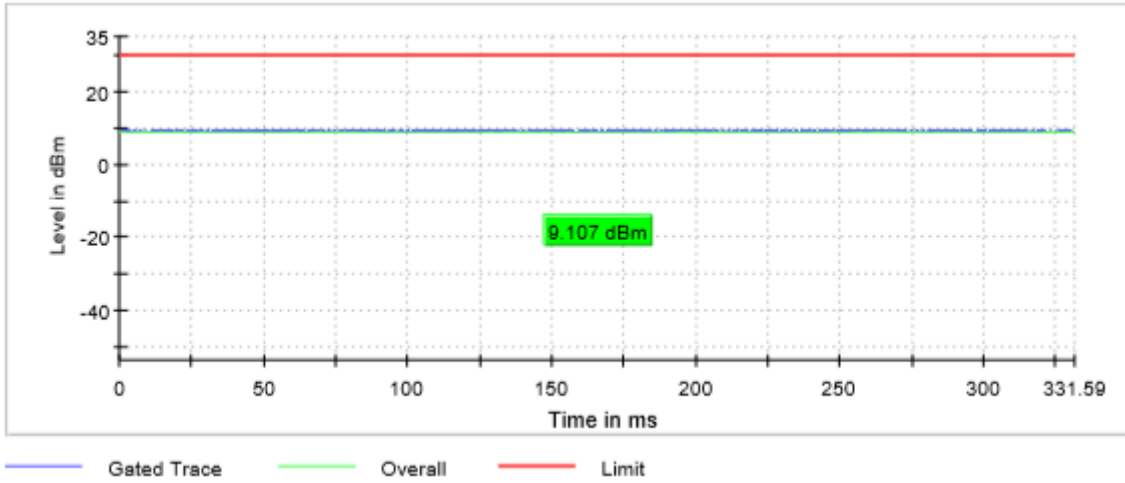
Middle Channel



— Gated Trace — Overall — Limit

TEST RESULTS (Cont.):

Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 1 MIMO)
TEST RESULTS:	PASS

Port 1 & 2

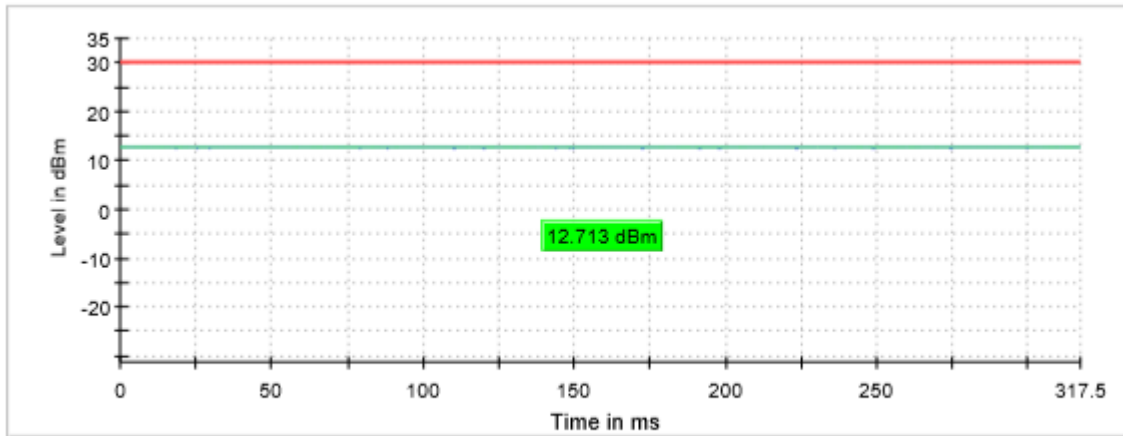
Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	12.7	12.9	11.7
Maximum EIRP power(dBm)	17.2	17.4	16.2
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

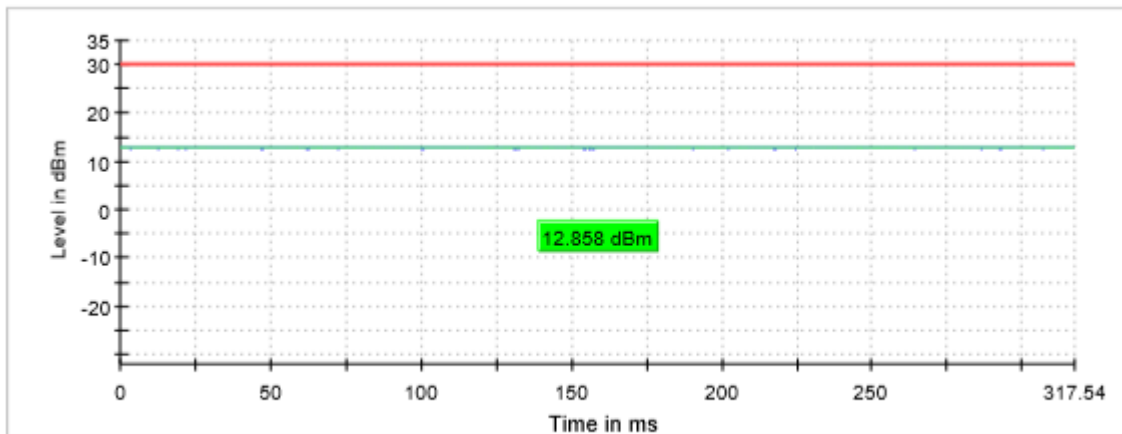
CONDUCTED OUTPUT POWER

Lowest Channel



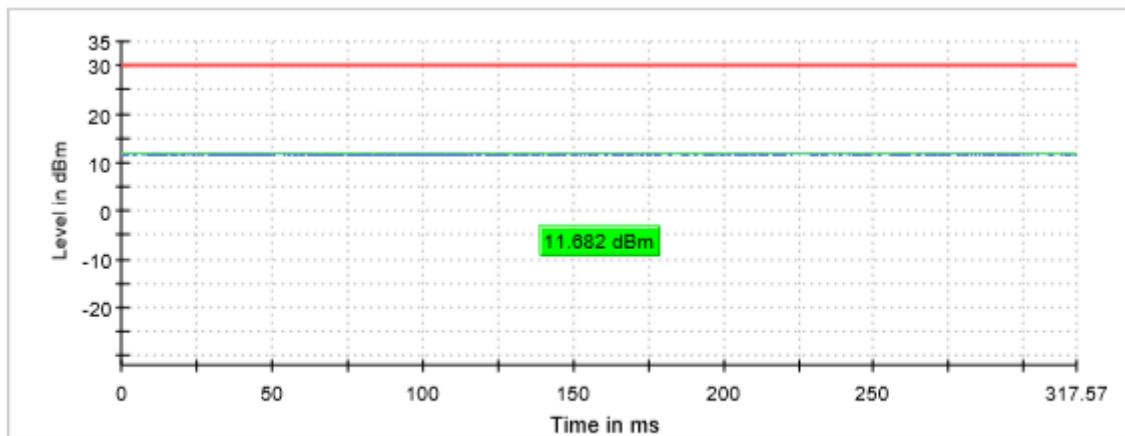
— Gated Trace — Overall — Limit

Middle Channel



— Gated Trace — Overall — Limit

Highest Channel



— Gated Trace — Overall — Limit

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 2 MIMO)
TEST RESULTS:	PASS

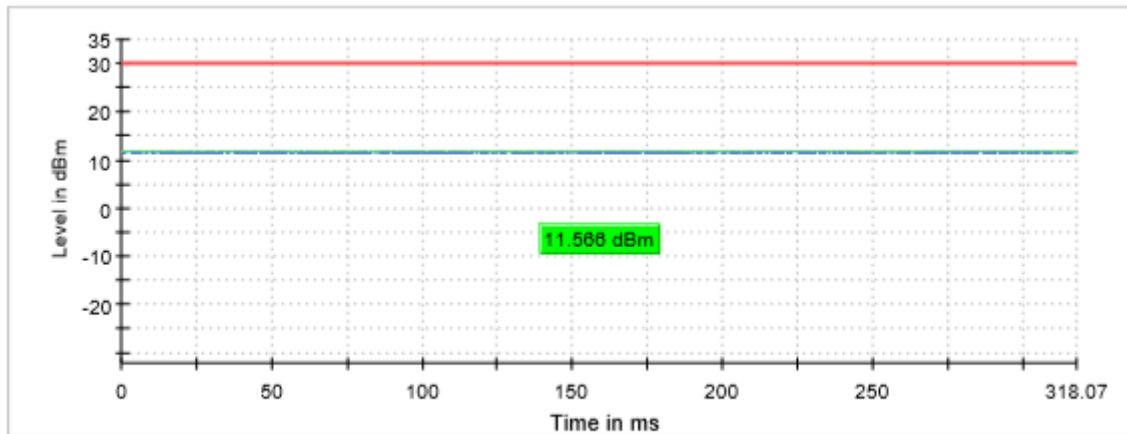
Port 3 & 4

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	11.6	11.2	11.0
Maximum EIRP power(dBm)	16.1	15.7	15.5
Measurement uncertainty (kHz)	<± 0.78		

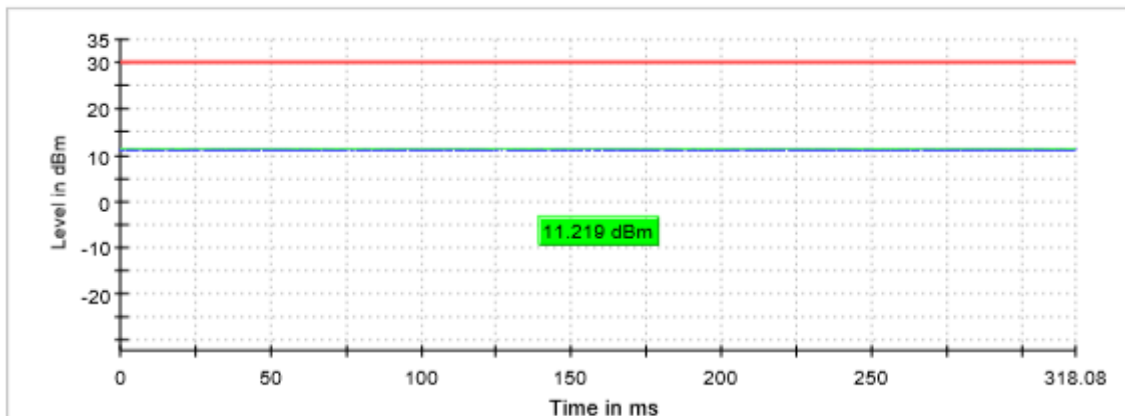
TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



— Gated Trace — Overall — Limit

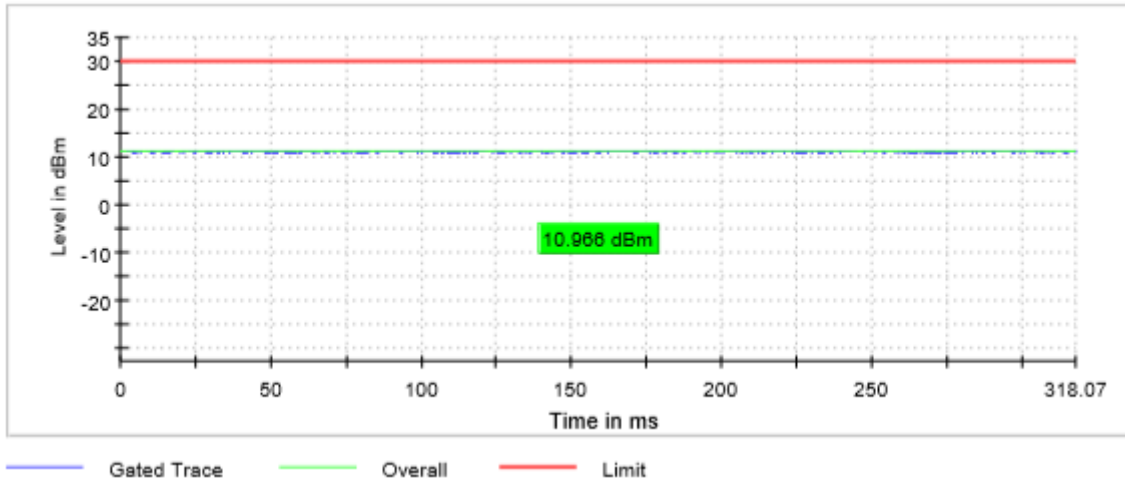
Middle Channel



— Gated Trace — Overall — Limit

TEST RESULTS (Cont.):

Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 1 SISO)
TEST RESULTS:	PASS

Port 2

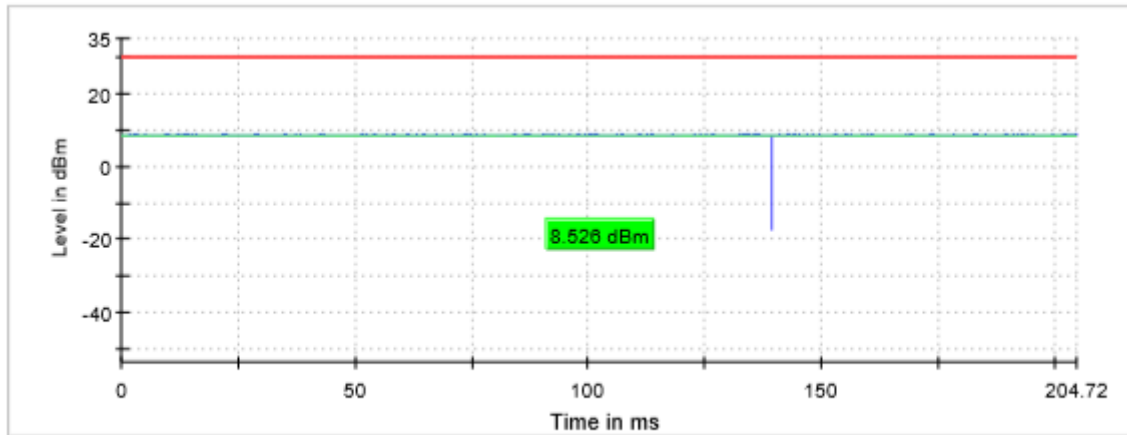
Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	8.5	8.2
Maximum EIRP power(dBm)	13.0	12.7
Measurement uncertainty (kHz)	<± 0.78	

TEST RESULTS (Cont.):

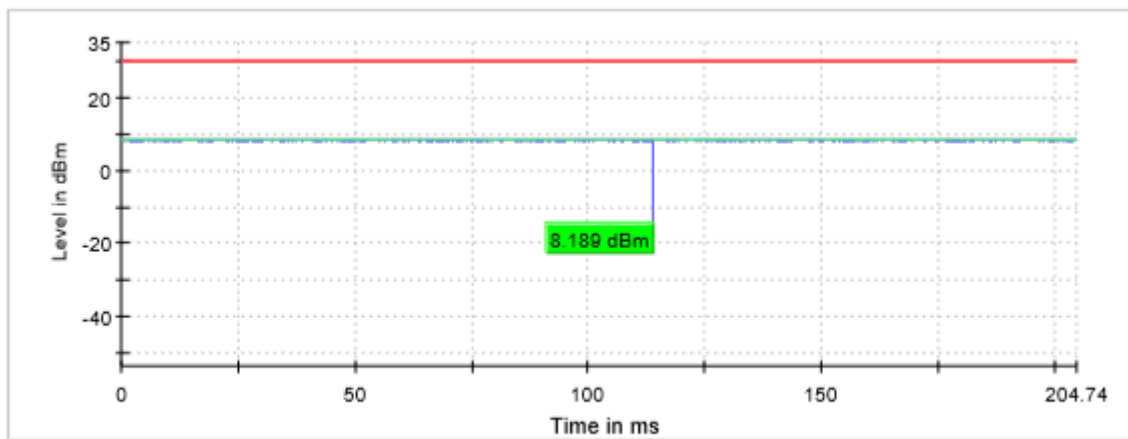
CONDUCTED OUTPUT POWER

Lowest Channel



— Gated Trace — Overall — Limit

Highest Channel



— Gated Trace — Overall — Limit

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 2 SISO)
TEST RESULTS:	PASS

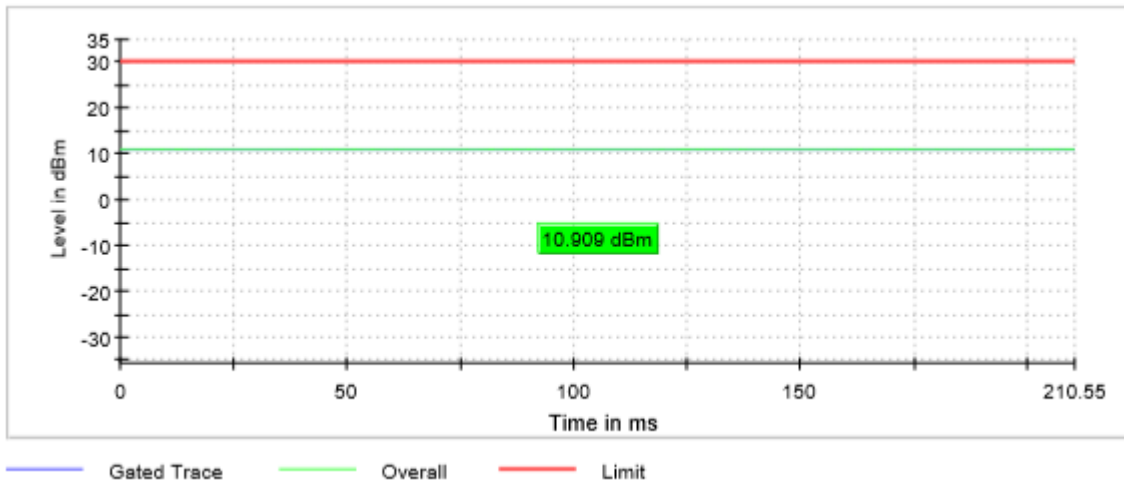
Port 4

Maximum declared antenna gain: 4.5 dBi

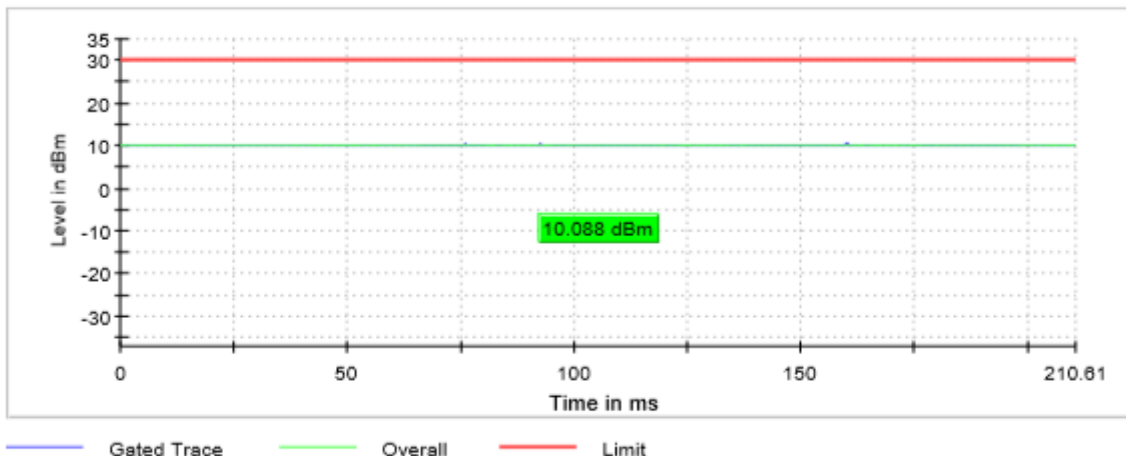
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	10.9	10.1
Maximum EIRP power(dBm)	15.4	14.6
Measurement uncertainty (kHz)	$<\pm 0.78$	

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 1 MIMO)
TEST RESULTS:	PASS

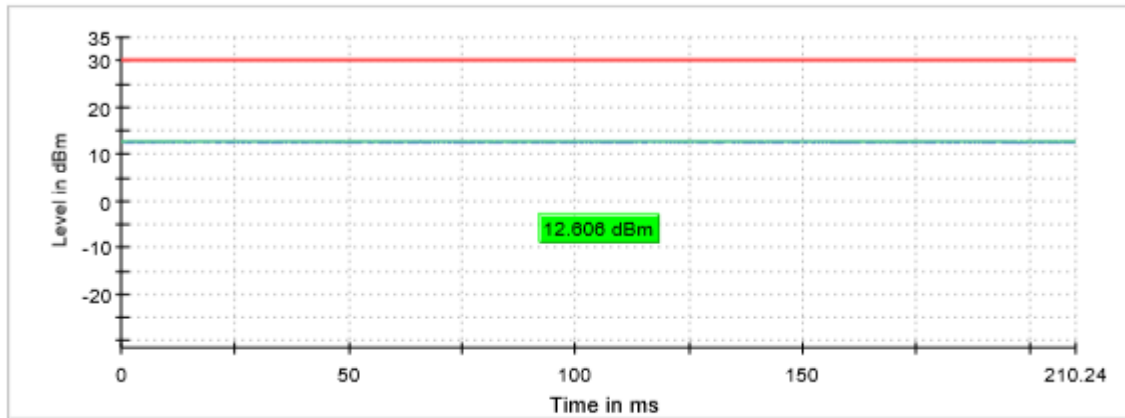
Port 1 & 2

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	12.6	12.4
Maximum EIRP power(dBm)	17.1	16.9
Measurement uncertainty (kHz)	$<\pm 0.78$	

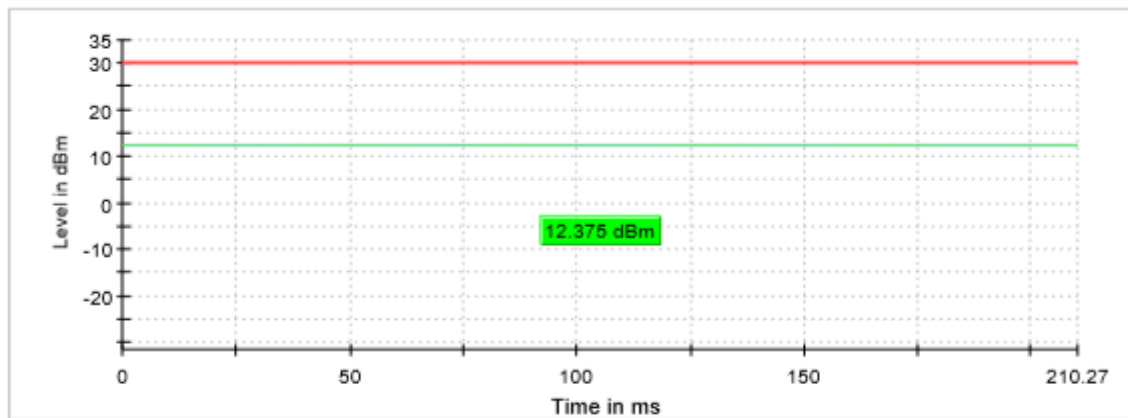
TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



— Gated Trace — Overall — Limit

Highest Channel



— Gated Trace — Overall — Limit

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 2 MIMO)
TEST RESULTS:	PASS

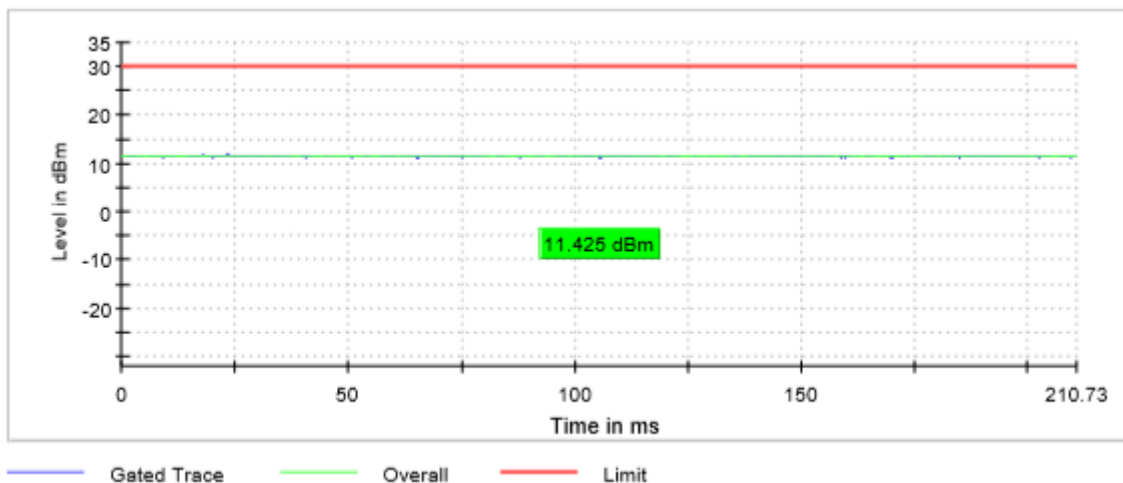
Port 3 & 4

Maximum declared antenna gain: 4.5 dBi

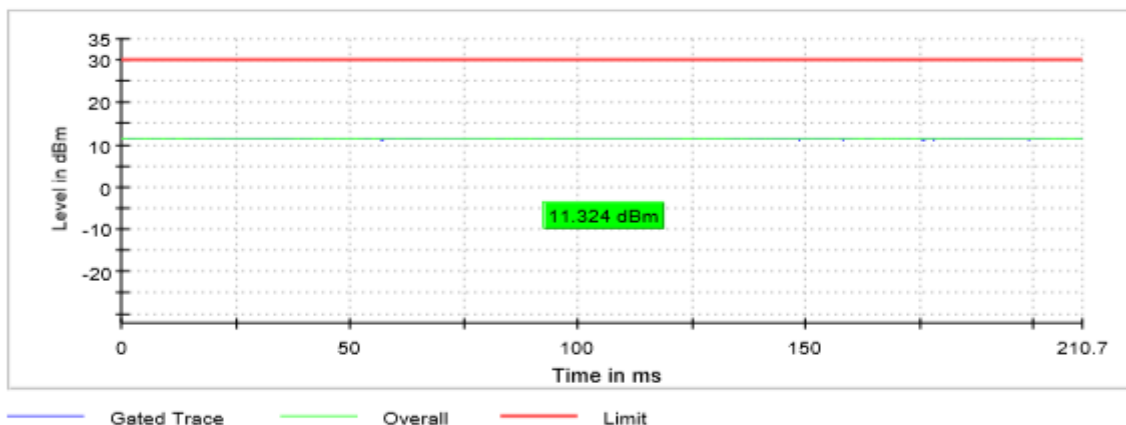
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	11.4	11.3
Maximum EIRP power(dBm)	15.9	15.8
Measurement uncertainty (kHz)	$<\pm 0.78$	

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 1 SISO)
TEST RESULTS:	PASS

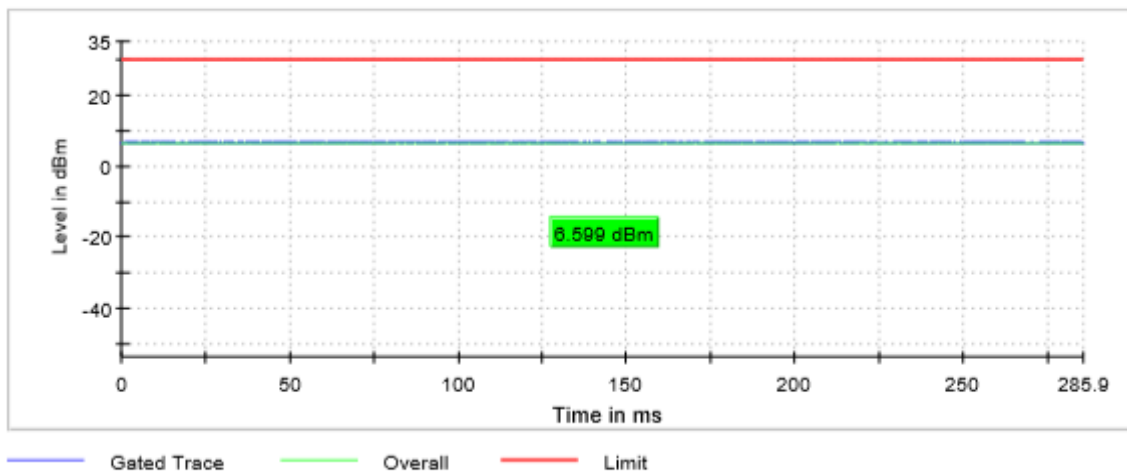
Port 2

Maximum declared antenna gain: 4.5 dBi

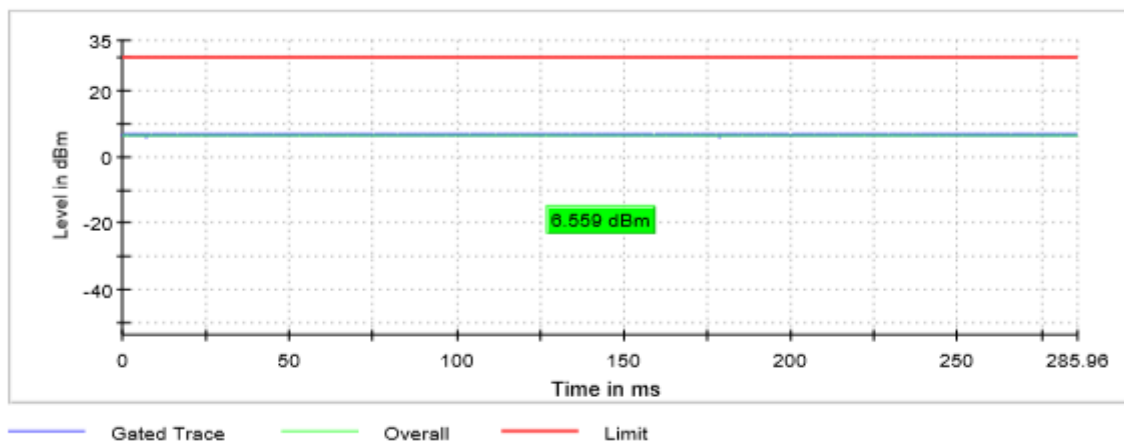
	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Maximum conducted power(dBm)	6.6	6.6	6.2
Maximum EIRP power(dBm)	11.1	11.1	10.7
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel

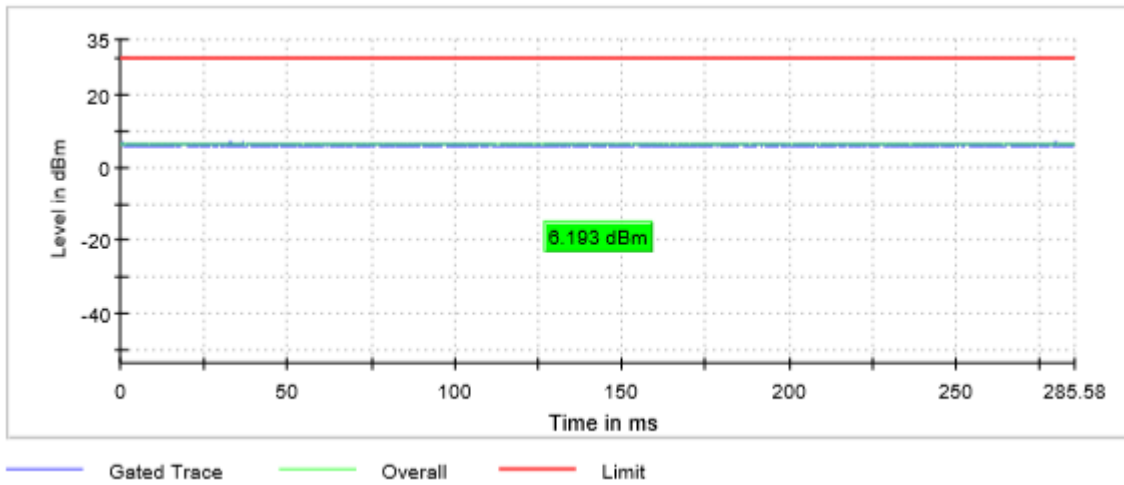


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 2 SISO)
TEST RESULTS:	PASS

Port 4

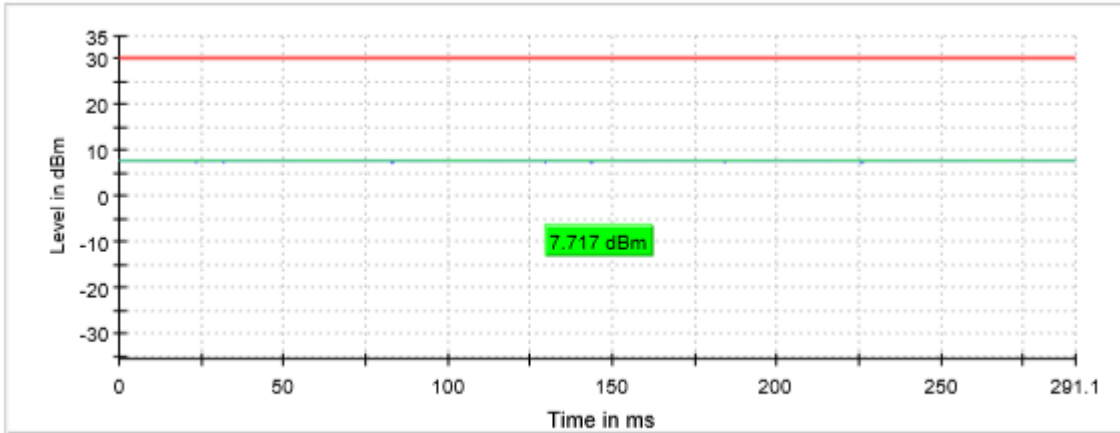
Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	7.7	7.3	7.4
Maximum EIRP power(dBm)	12.2	11.8	11.9
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

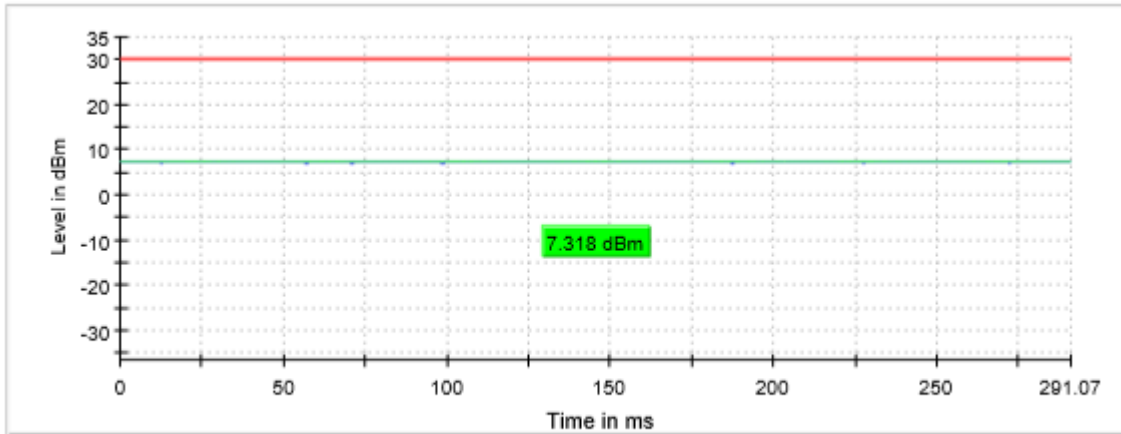
CONDUCTED OUTPUT POWER

Lowest Channel



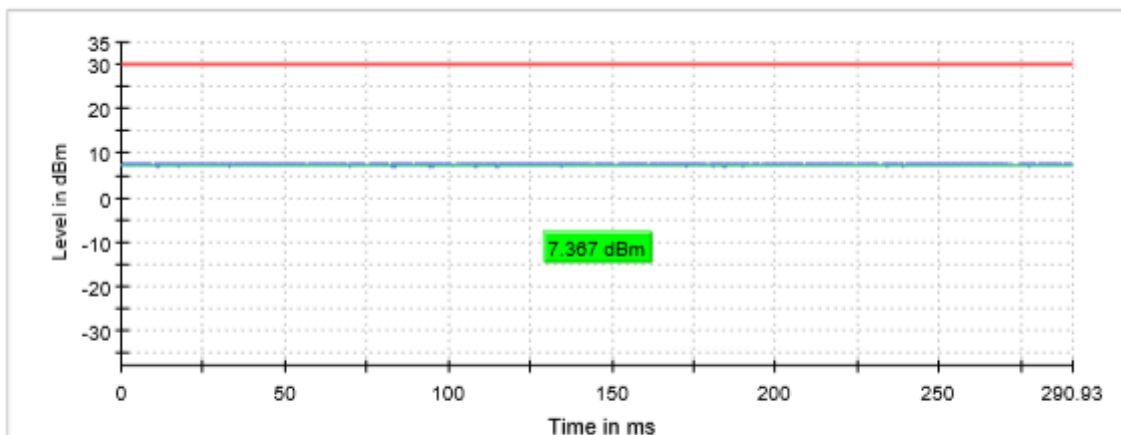
— Gated Trace — Overall — Limit

Middle Channel



— Gated Trace — Overall — Limit

Highest Channel



— Gated Trace — Overall — Limit

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 1 MIMO)
TEST RESULTS:	PASS

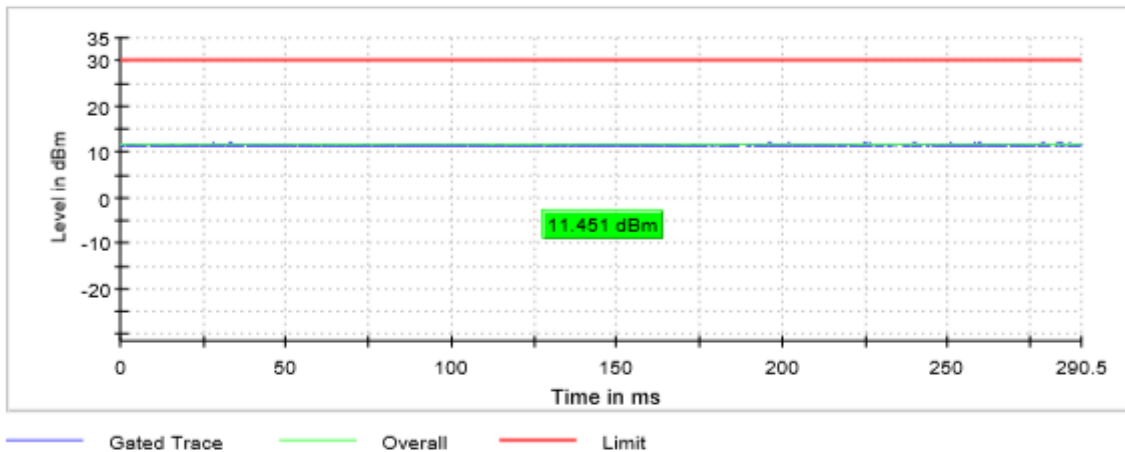
Port 1 & 2

Maximum declared antenna gain: 4.5 dBi

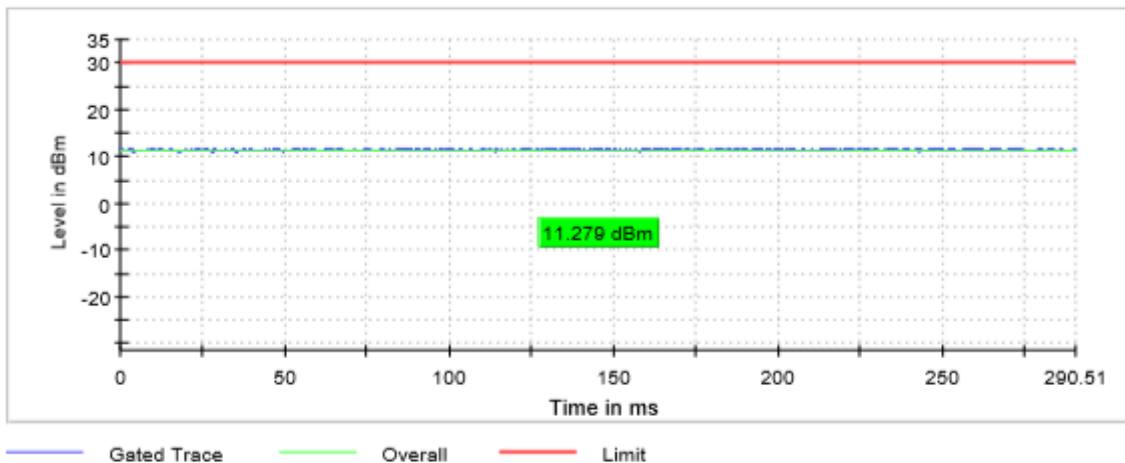
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	11.5	11.3	11.2
Maximum EIRP power(dBm)	16.0	15.8	15.7
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel

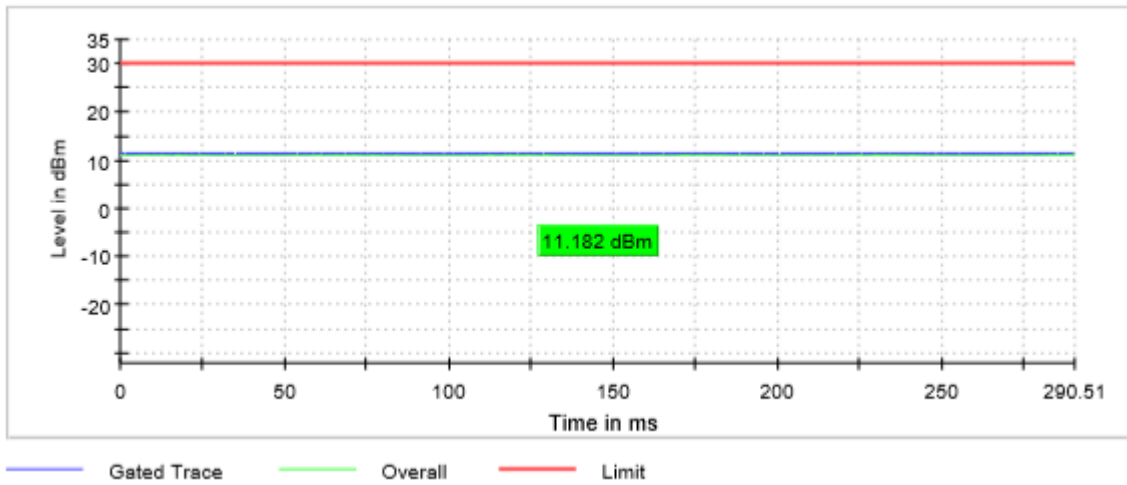


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 2 MIMO)
TEST RESULTS:	PASS

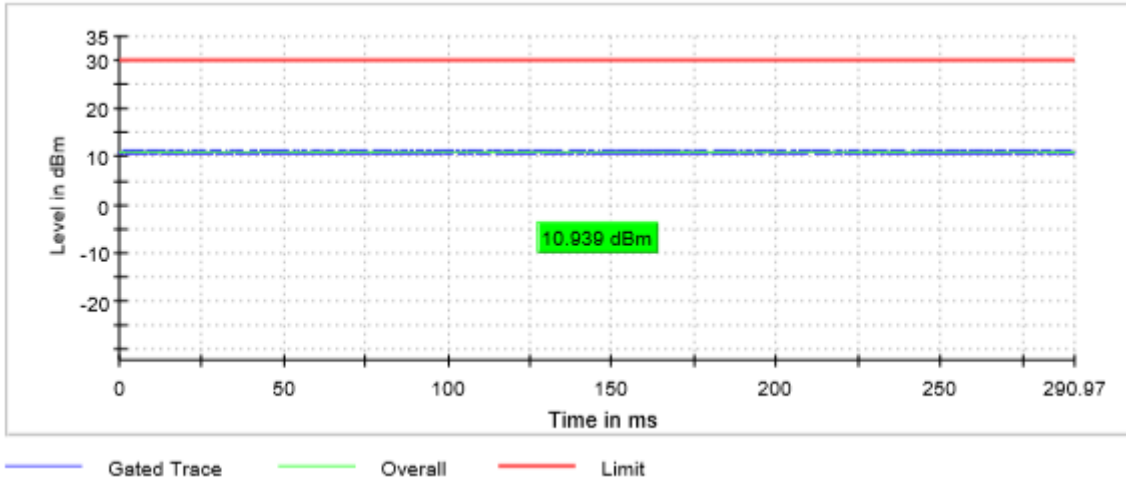
Port 3 & 4

Maximum declared antenna gain: 4.5 dBi

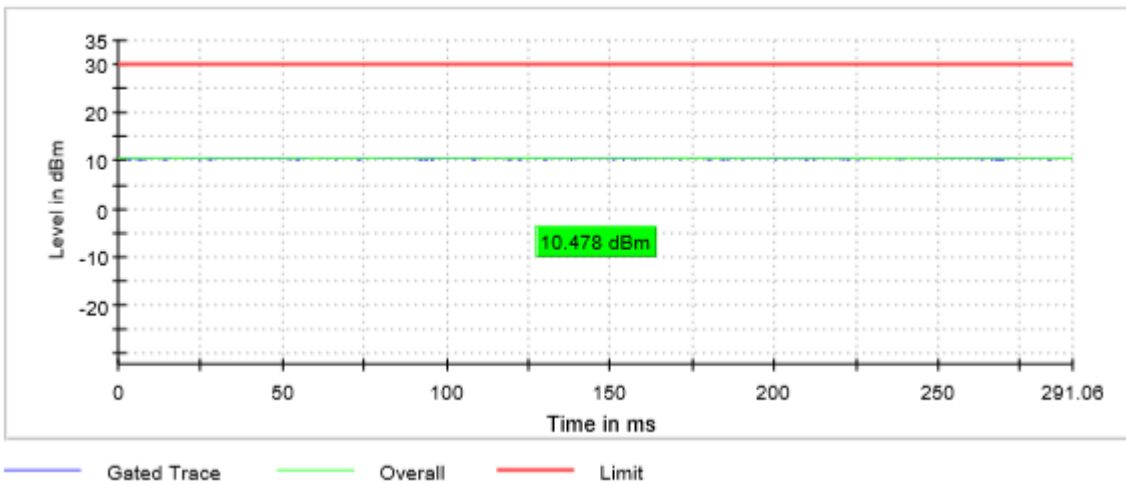
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Maximum conducted power(dBm)	10.9	10.5	10.3
Maximum EIRP power(dBm)	15.4	15.0	14.8
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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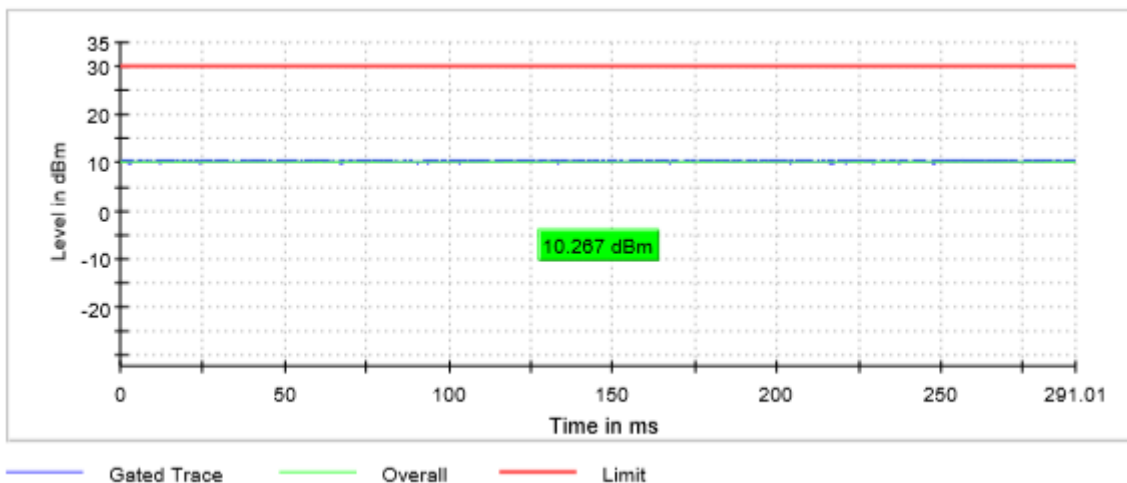
Lowest Channel



Middle Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 1 SISO)
TEST RESULTS:	PASS

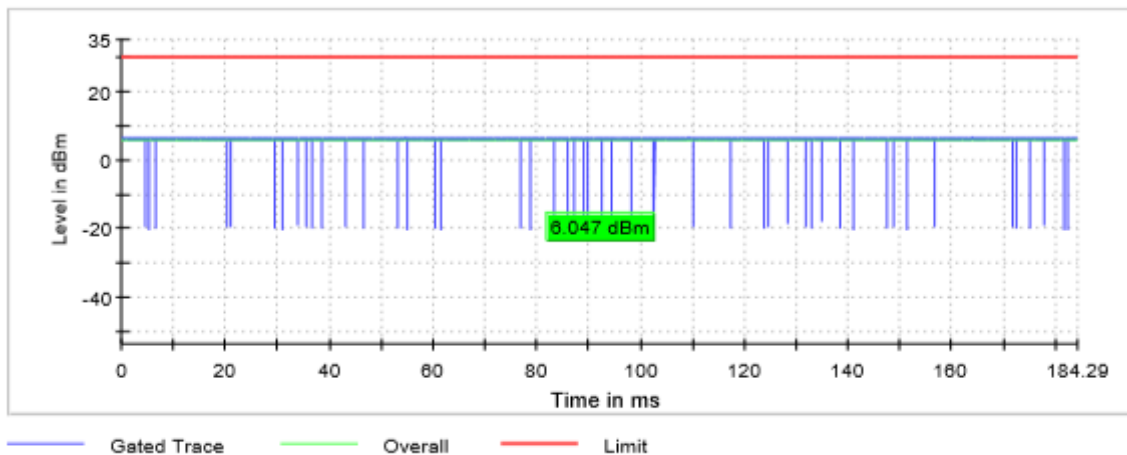
Port 2

Maximum declared antenna gain: 4.5 dBi

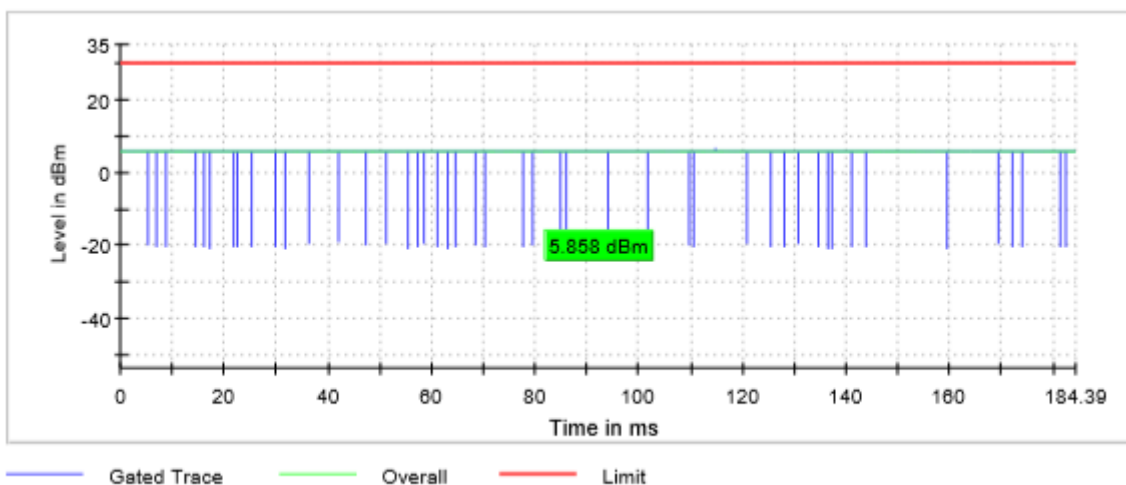
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	6.0	5.9
Maximum EIRP power(dBm)	10.5	10.4
Measurement uncertainty (kHz)	<± 0.78	

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 2 SISO)
TEST RESULTS:	PASS

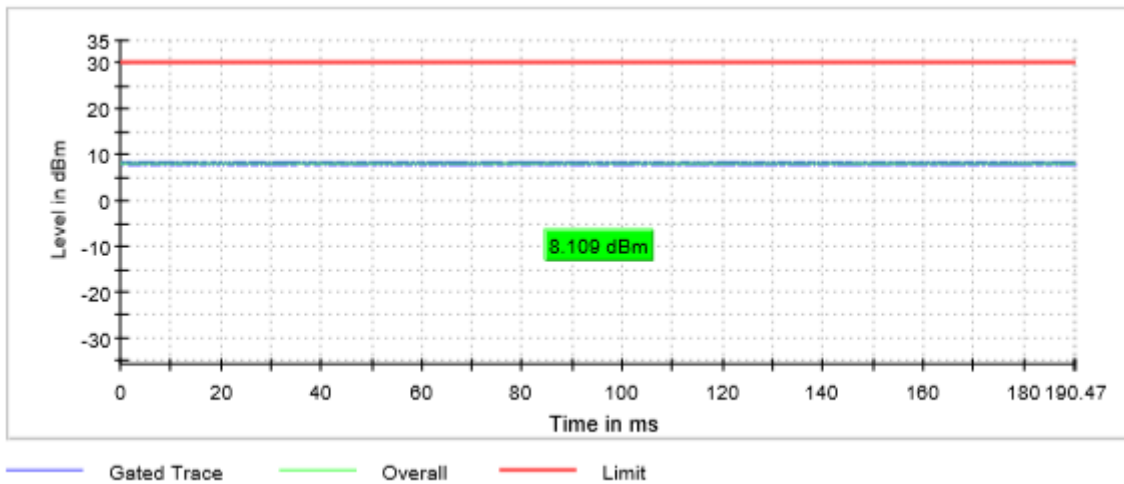
Port 4

Maximum declared antenna gain: 4.5 dBi

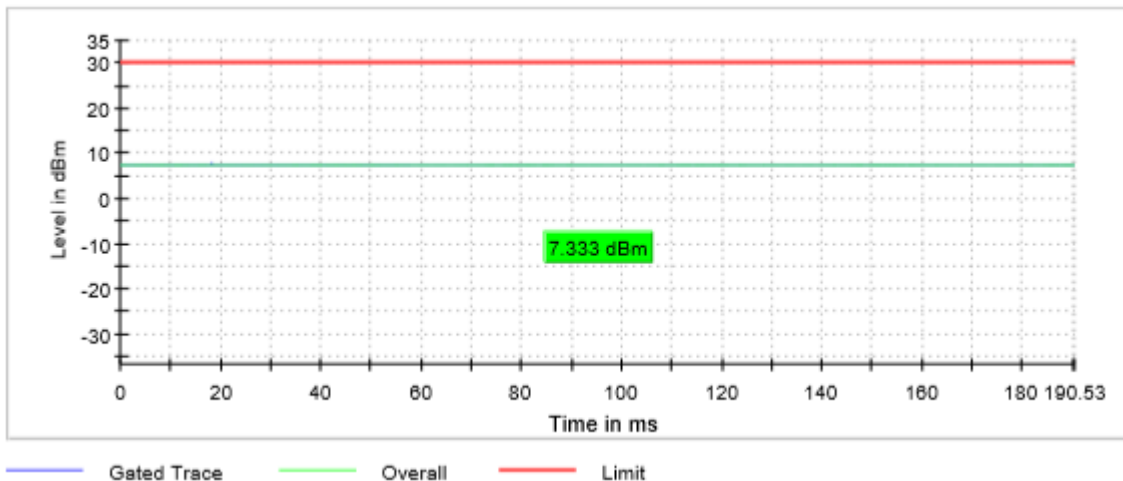
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	8.1	7.3
Maximum EIRP power(dBm)	12.6	11.8
Measurement uncertainty (kHz)	$<\pm 0.78$	

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 1 MIMO)
TEST RESULTS:	PASS

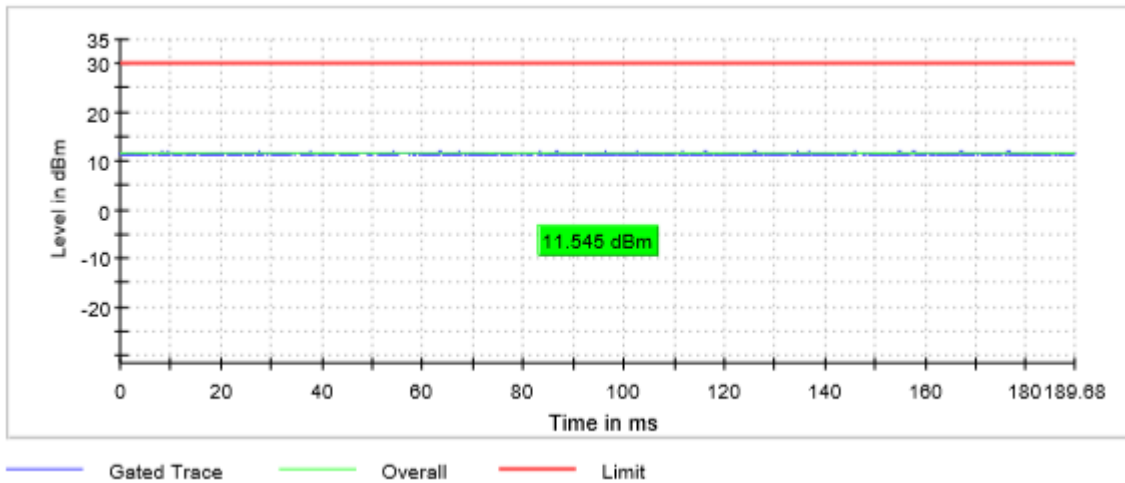
Port 1 & 2

Maximum declared antenna gain: 4.5 dBi

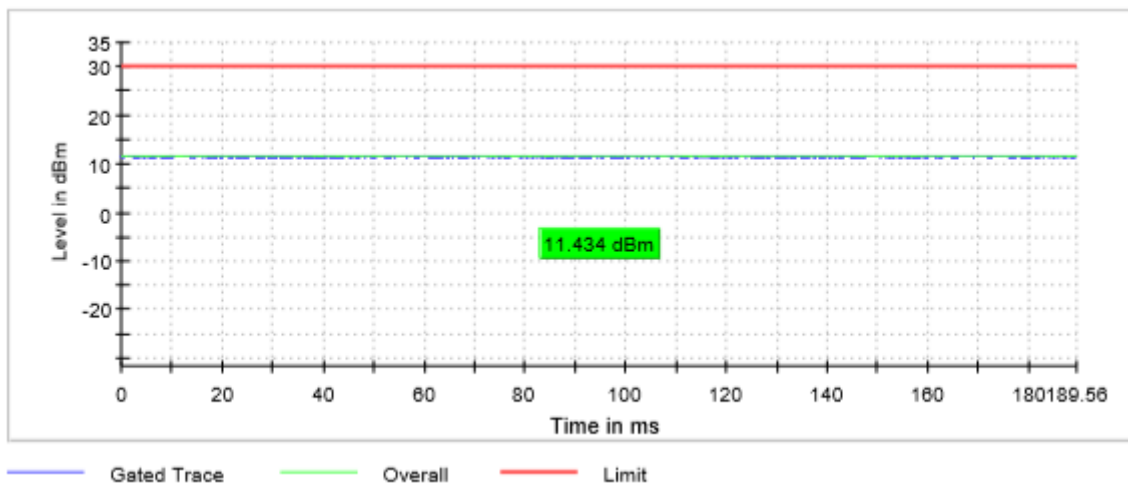
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	11.5	11.4
Maximum EIRP power(dBm)	16.0	15.9
Measurement uncertainty (kHz)	$<\pm 0.78$	

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 2 MIMO)
TEST RESULTS:	PASS

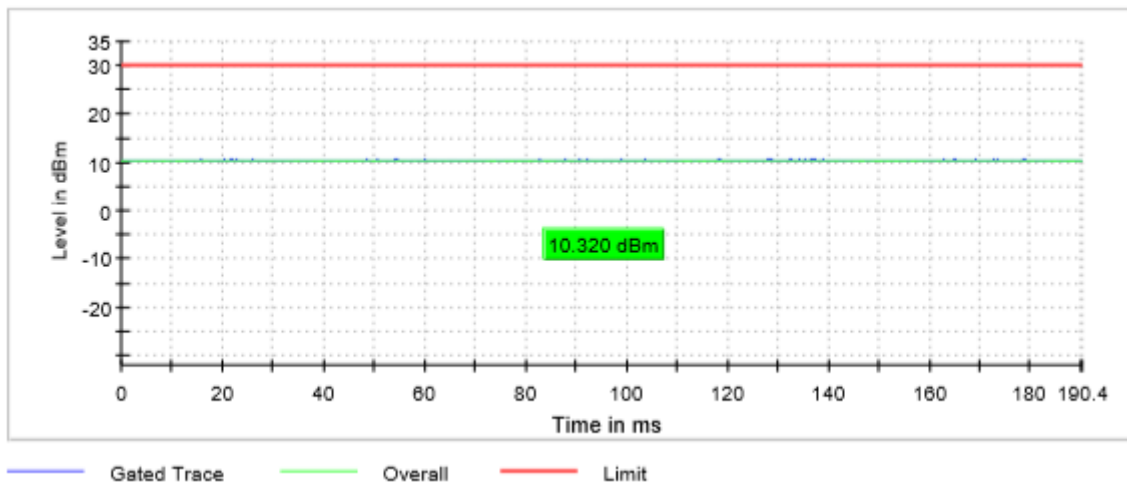
Port 3 & 4

Maximum declared antenna gain: 4.5 dBi

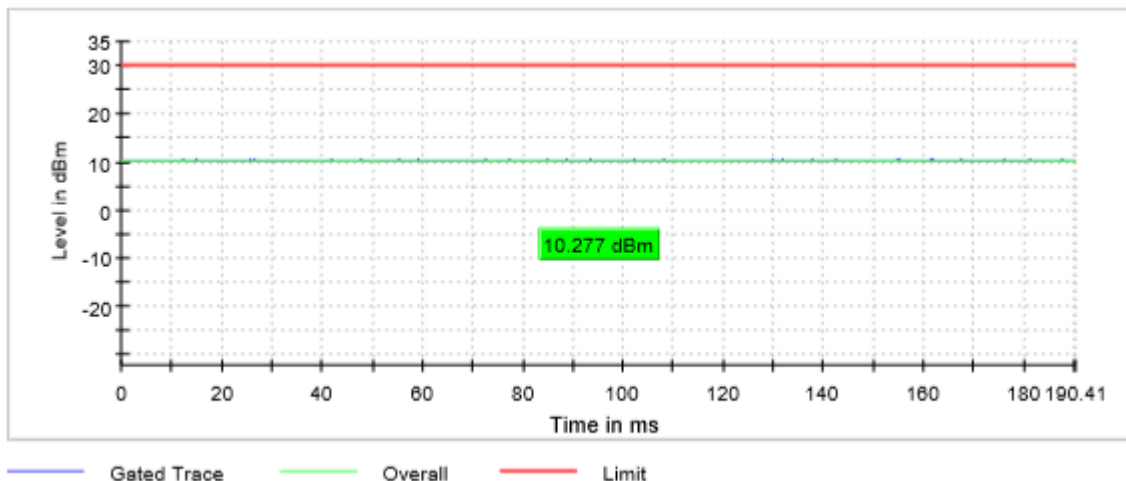
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Maximum conducted power(dBm)	10.3	10.3
Maximum EIRP power(dBm)	14.8	14.8
Measurement uncertainty (kHz)	<± 0.78	

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



Highest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 1 SISO)
TEST RESULTS:	PASS

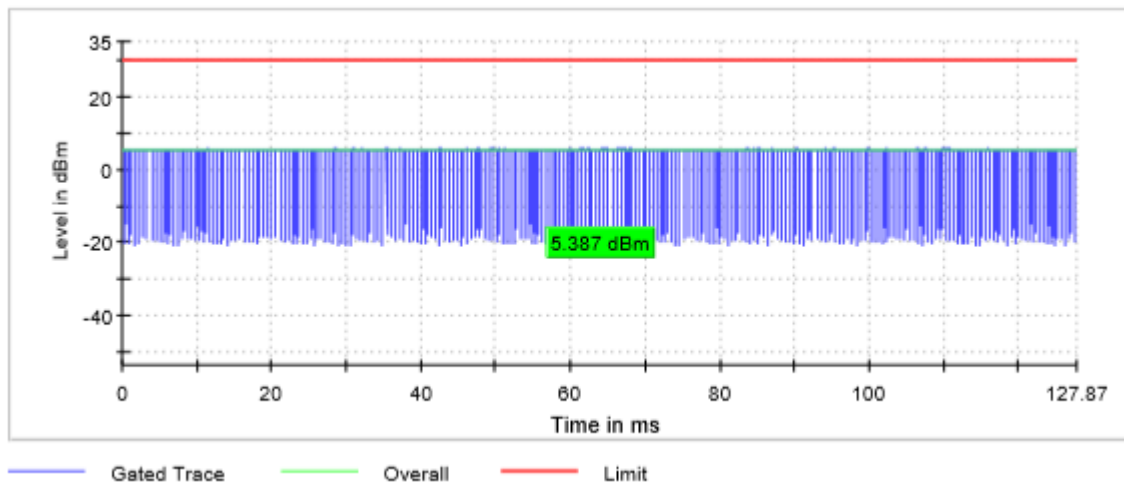
Port 2

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5775 MHz
Maximum conducted power(dBm)	5.4
Maximum EIRP power(dBm)	9.9
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 2 SISO)
TEST RESULTS:	PASS

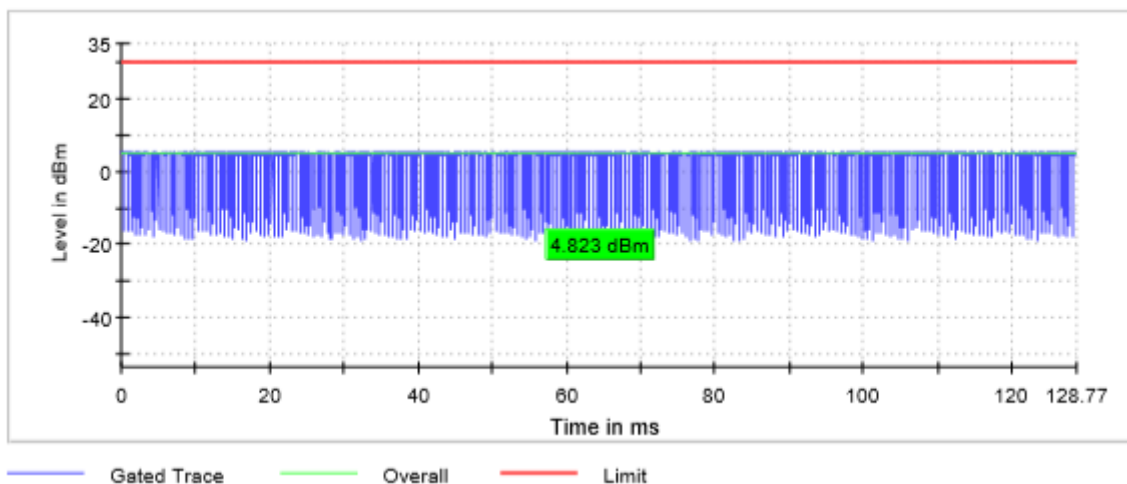
Port 4

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5775 MHz
Maximum conducted power(dBm)	4.8
Maximum EIRP power(dBm)	9.3
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 1 MIMO)
TEST RESULTS:	PASS

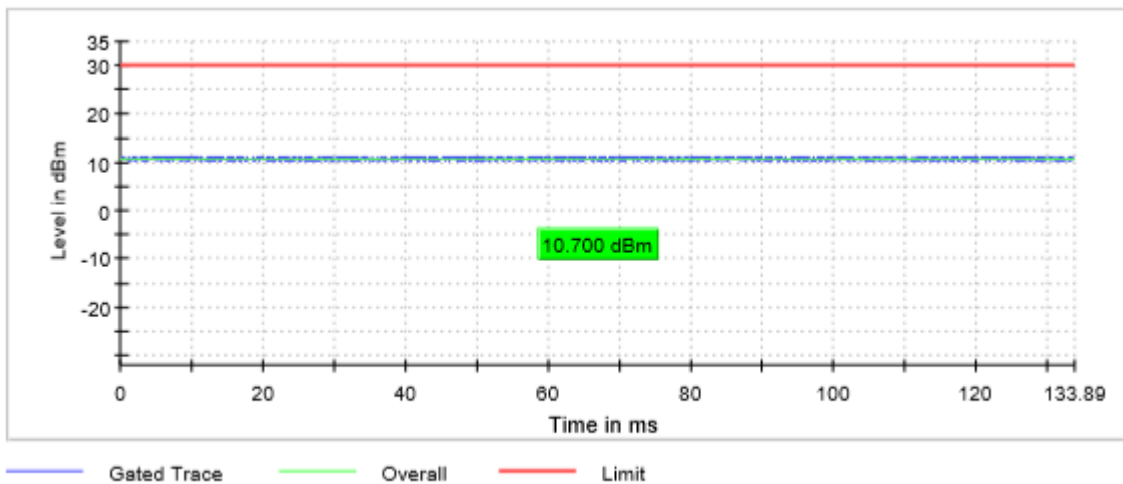
Port 1 & 2

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5775 MHz
Maximum conducted power(dBm)	10.7
Maximum EIRP power(dBm)	15.2
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 2 MIMO)
TEST RESULTS:	PASS

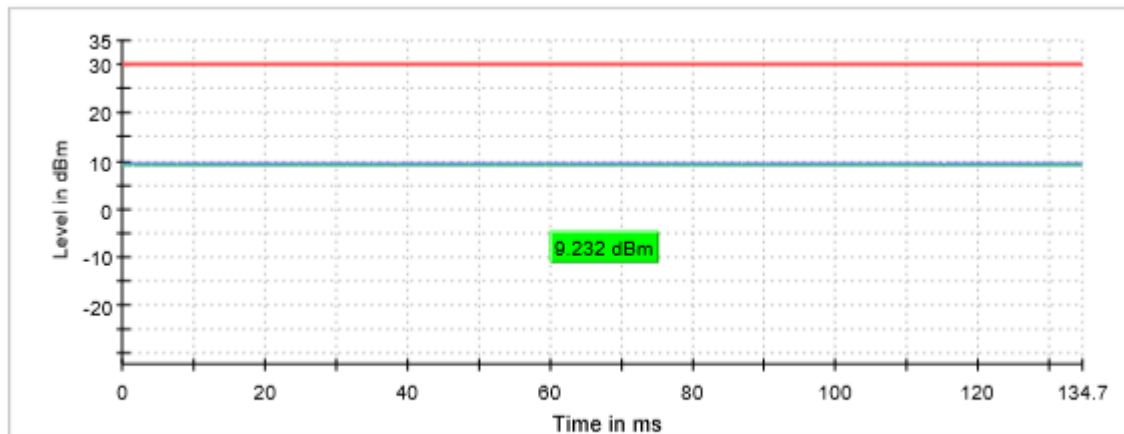
Port 3 & 4

Maximum declared antenna gain: 4.5 dBi

	Lowest frequency 5775 MHz
Maximum conducted power(dBm)	9.2
Maximum EIRP power(dBm)	13.7
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
------------------------------	-------------------------------

Lowest Channel



— Gated Trace — Overall — Limit

TEST C.4: POWER SPECTRAL DENSITY

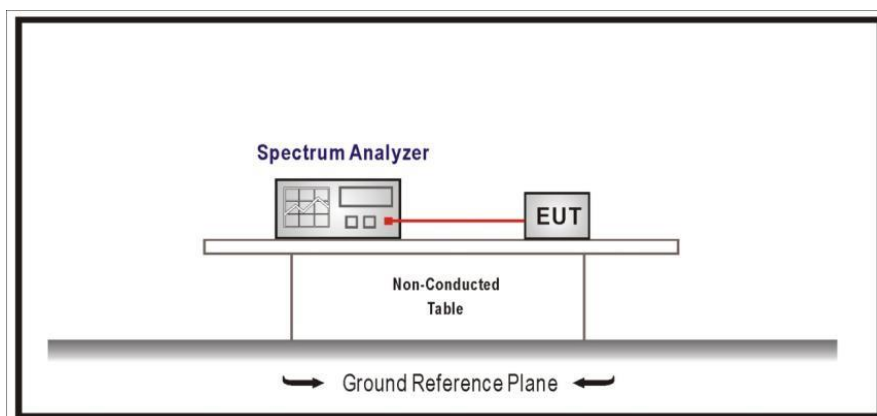
LIMITS:	Product standard:	Part 15 Subpart C §15.407 and RSS-247
	Test standard:	Part 15 Subpart C §15.407(a) (3) (5) and RSS-247 6.2.4.1

LIMITS

In the band 5.725- 5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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.



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (a mode Chip 1 SISO)
TEST RESULTS:	PASS

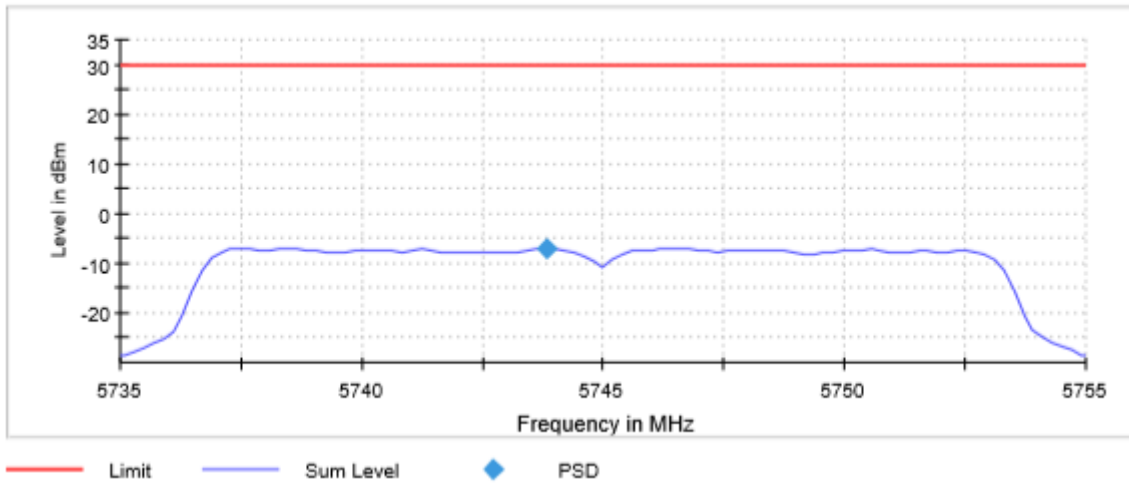
Port 2

Bandwidth: 20 MHz

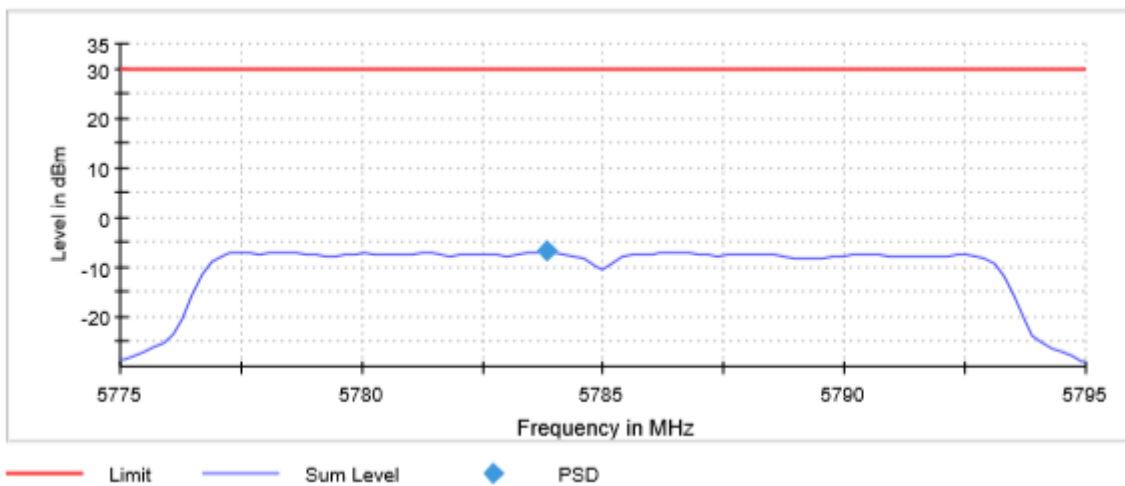
	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Power spectral density (dBm)	-7.067	-6.909	-7.585
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

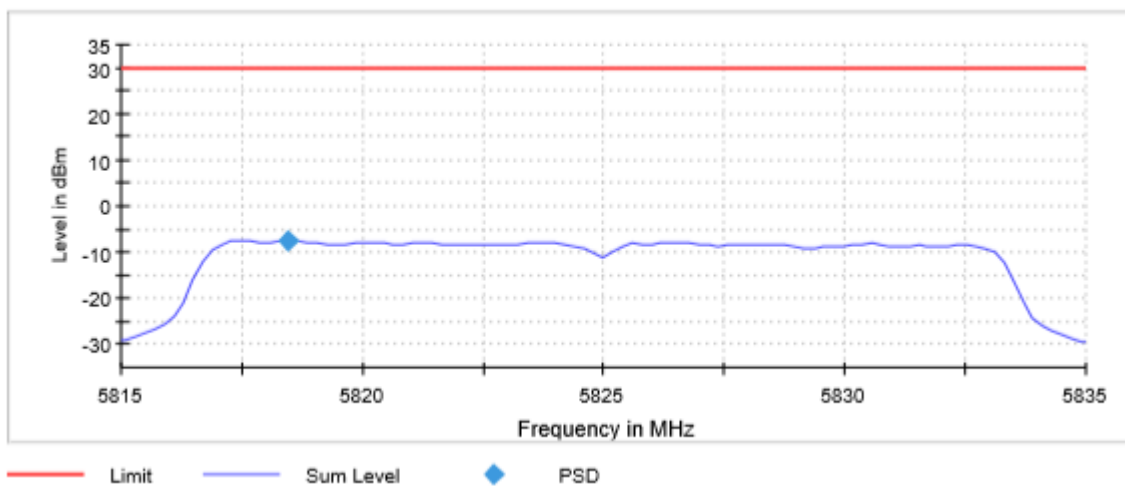
Lowest Channel



Middle Channel



Highest Channel



TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.02 dB	0.02 dB	0.01 dB

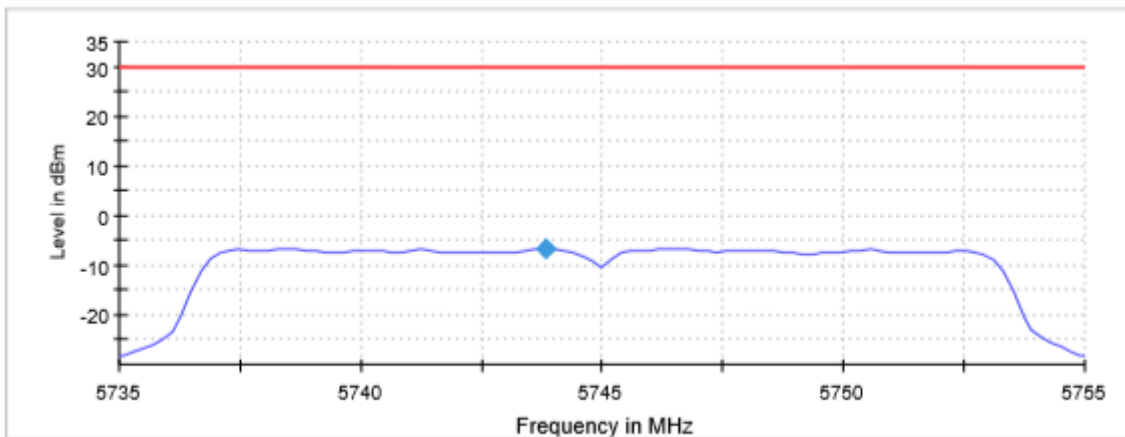
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (a mode Chip 2 SISO)
TEST RESULTS:	PASS

Port 4
 Bandwidth: 20 MHz

	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Power spectral density (dBm)	-6.664	-7.300	-8.307
Measurement uncertainty (kHz)	<± 0.78		

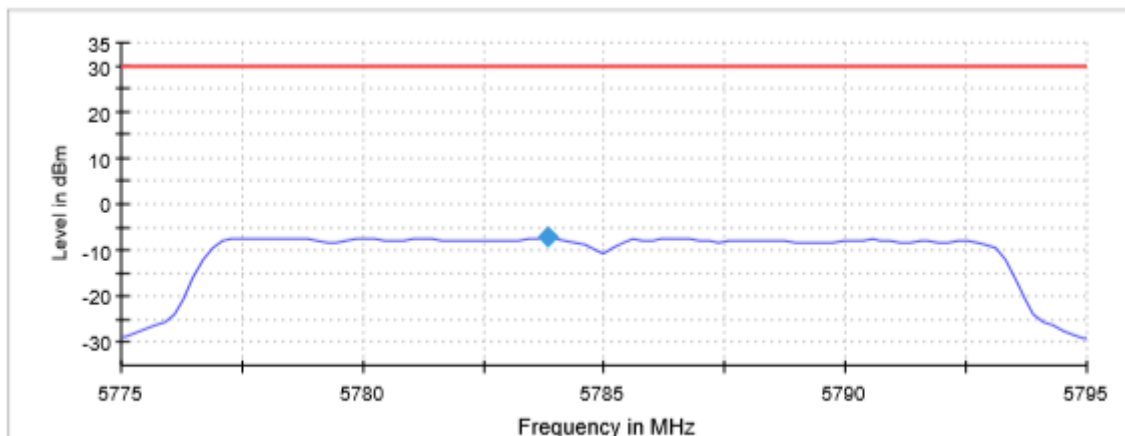
TEST RESULTS (Cont.):

Lowest Channel



— Limit — Sum Level ◆ PSD

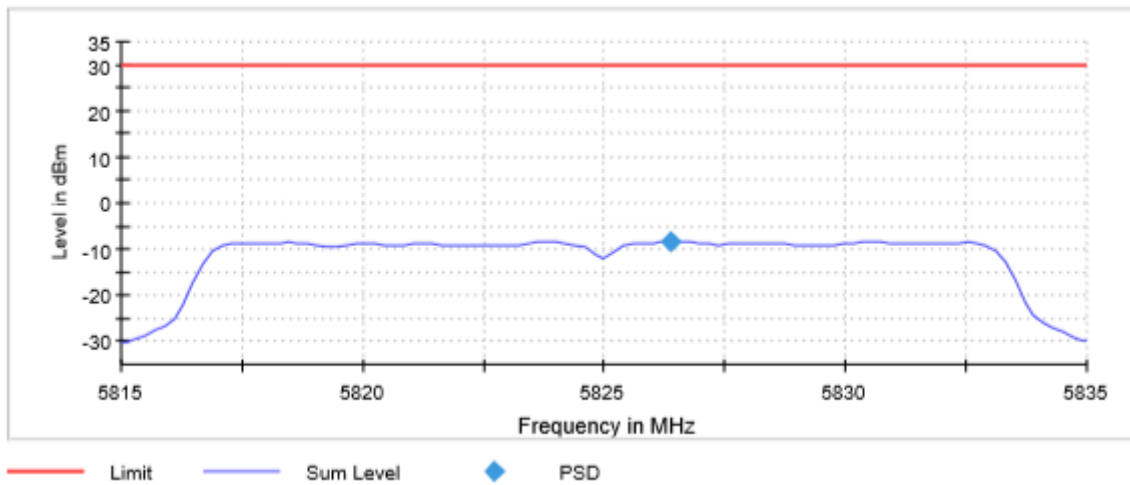
Middle Channel



— Limit — Sum Level ◆ PSD

TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweeptime	2.020 s	2.020 s	2.020 s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.06 dB	0.04 dB	0.03 dB

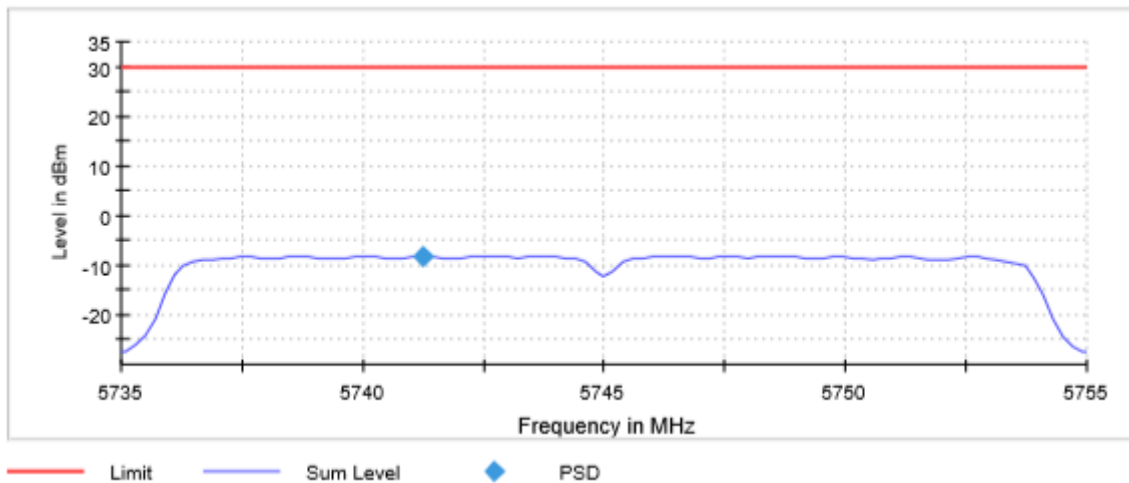
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 1 SISO)
TEST RESULTS:	PASS

Port 2
 Bandwidth: 20 MHz

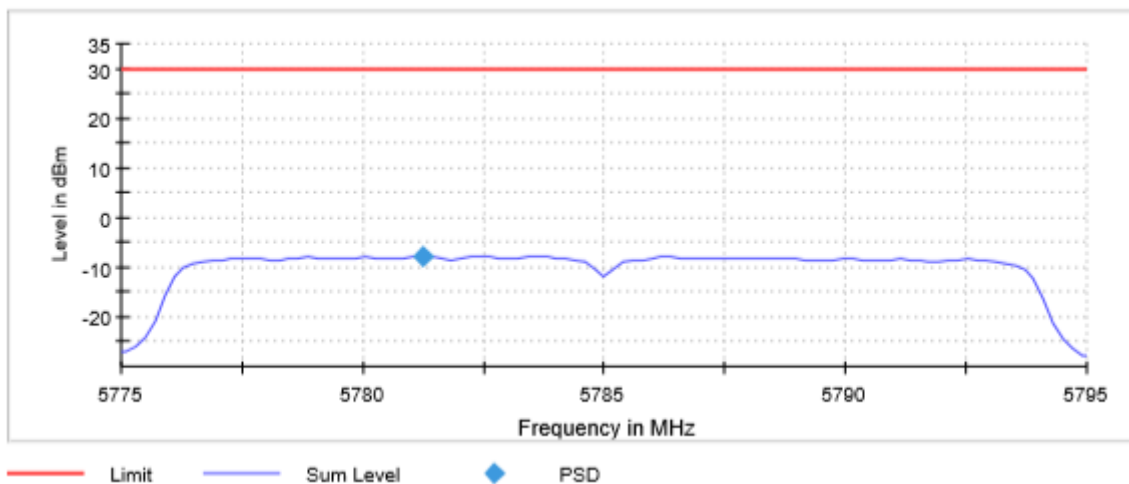
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Power spectral density (dBm)	-8.054	-7.727	-8.451
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

Lowest Channel

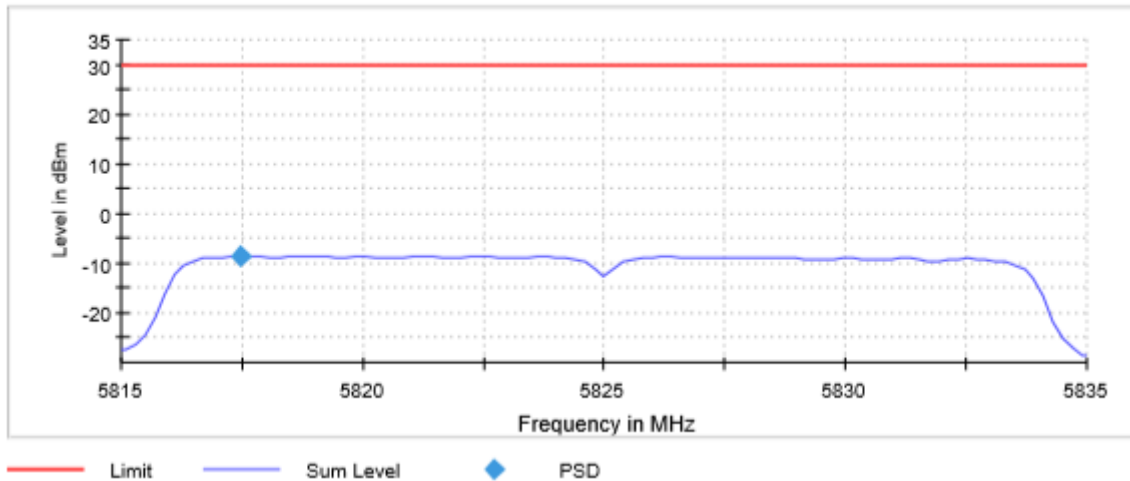


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweeptime	2.020 s	2.020 s	2.020 s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	10.000 dBm
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.16 dB	0.13 dB	0.12 dB

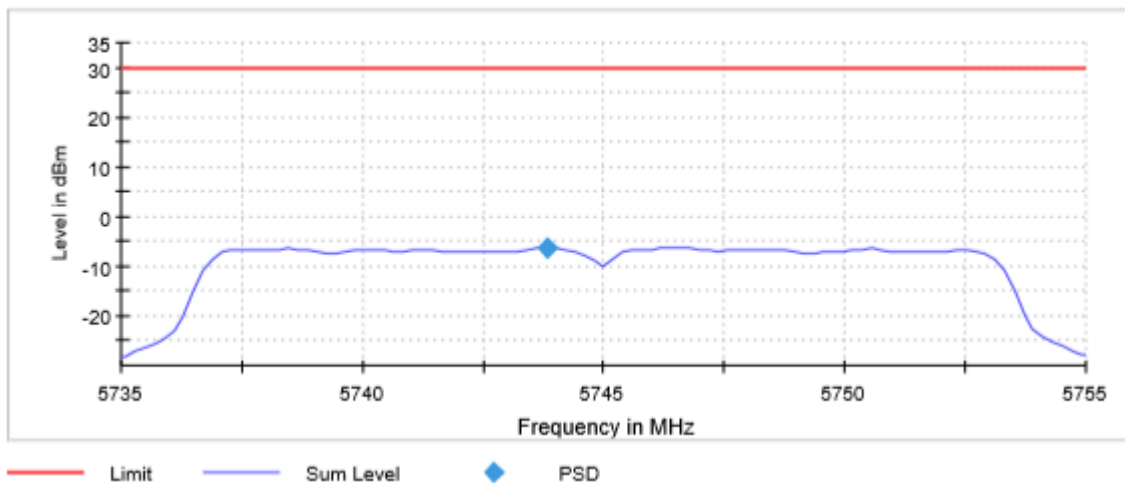
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 2 SISO)
TEST RESULTS:	PASS

Port 4
Bandwidth: 20 MHz

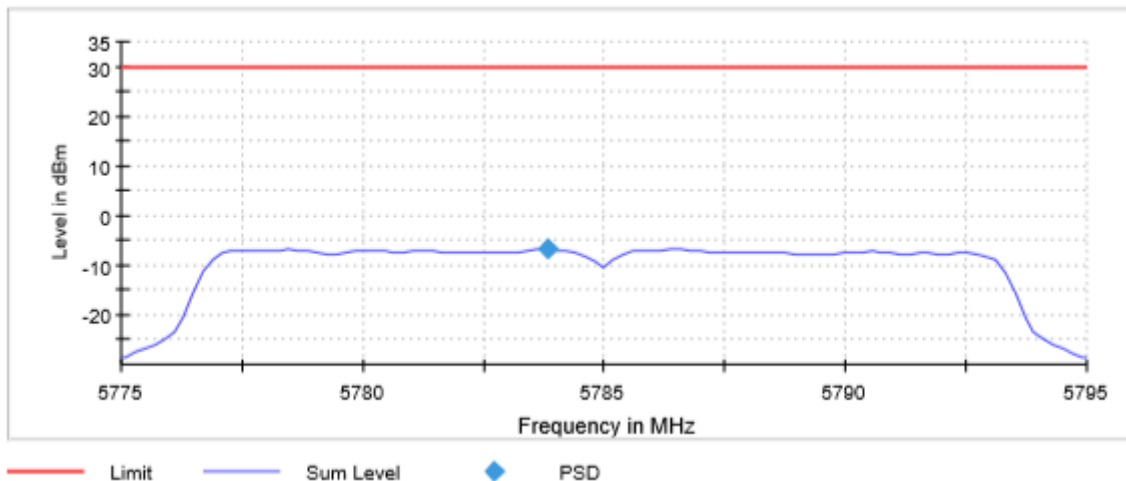
	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Power spectral density (dBm)	-6.357	-6.783	-7.601
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

Lowest Channel

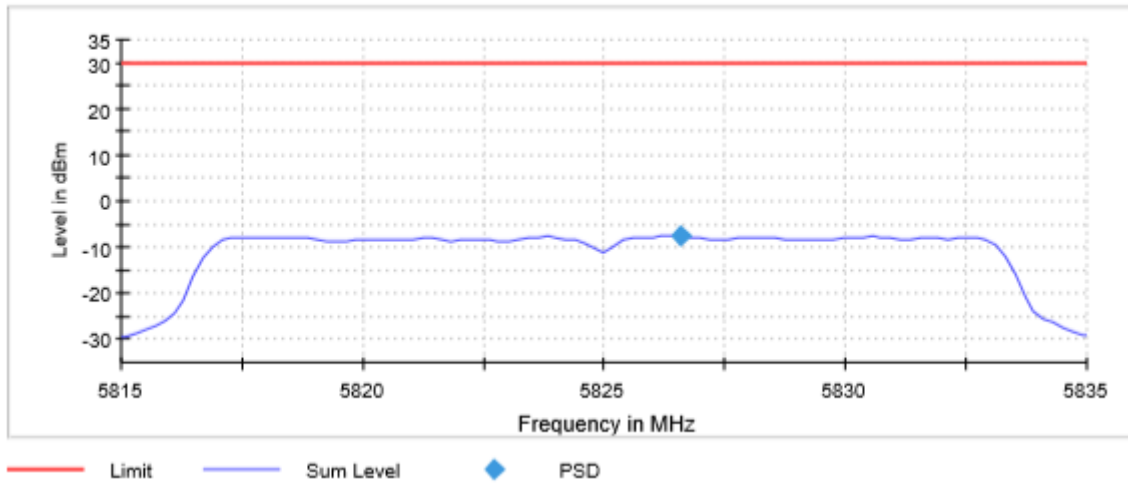


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	10.000 dBm
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.06 dB	0.00 dB	0.03 dB

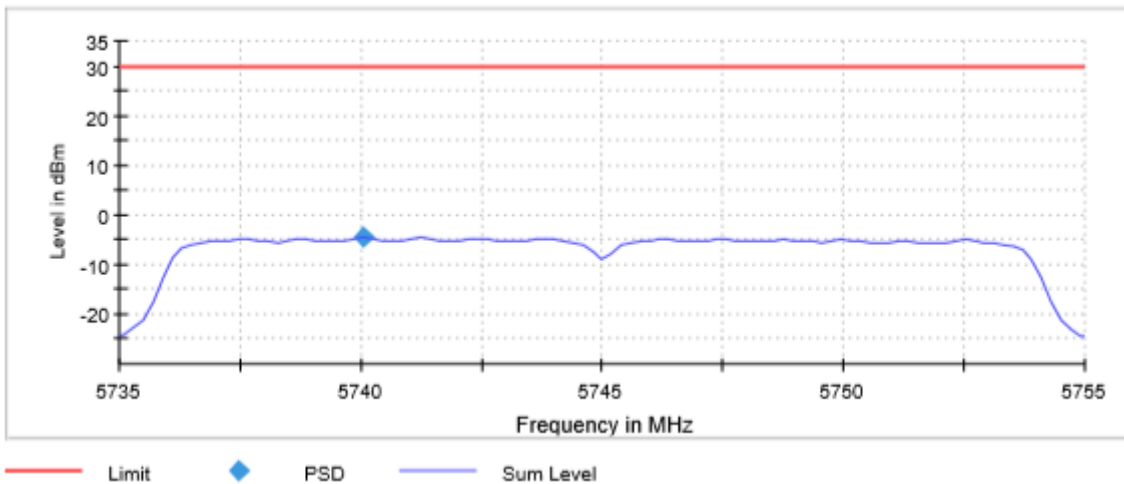
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 1 MIMO)
TEST RESULTS:	PASS

Port 1 & 2
 Bandwidth: 20 MHz

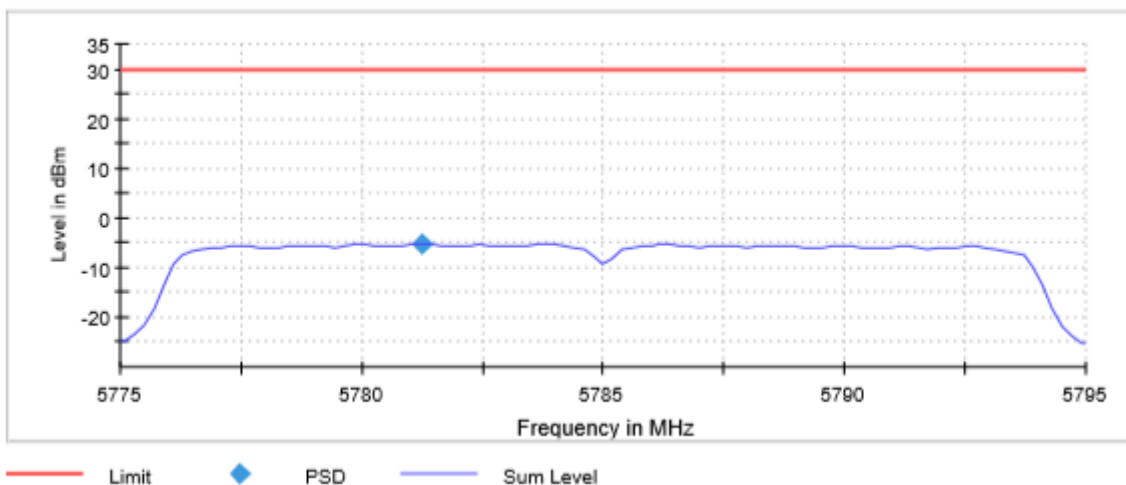
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Power spectral density (dBm)	-4.660	-5.190	-5.669
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

Lowest Channel

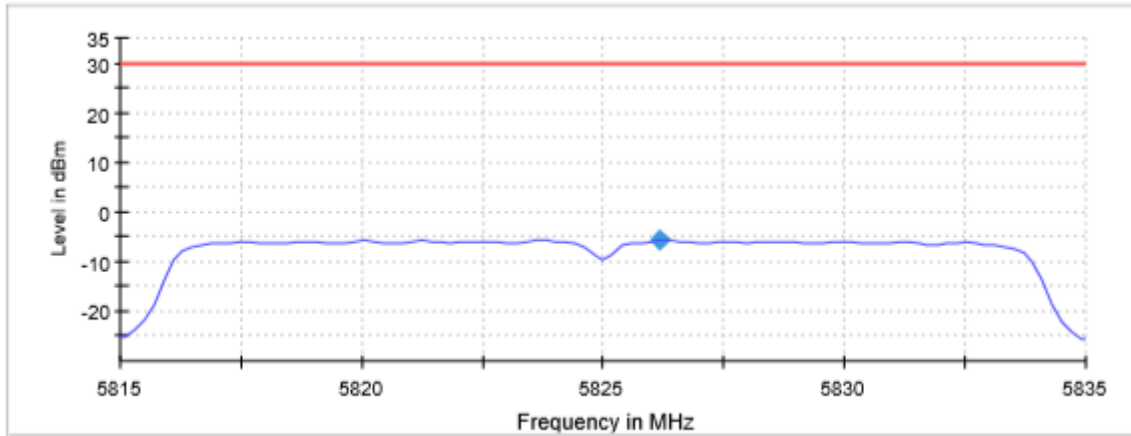


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



— Limit ◆ PSD — Sum Level

Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.05 dB	0.01 dB	0.15 dB

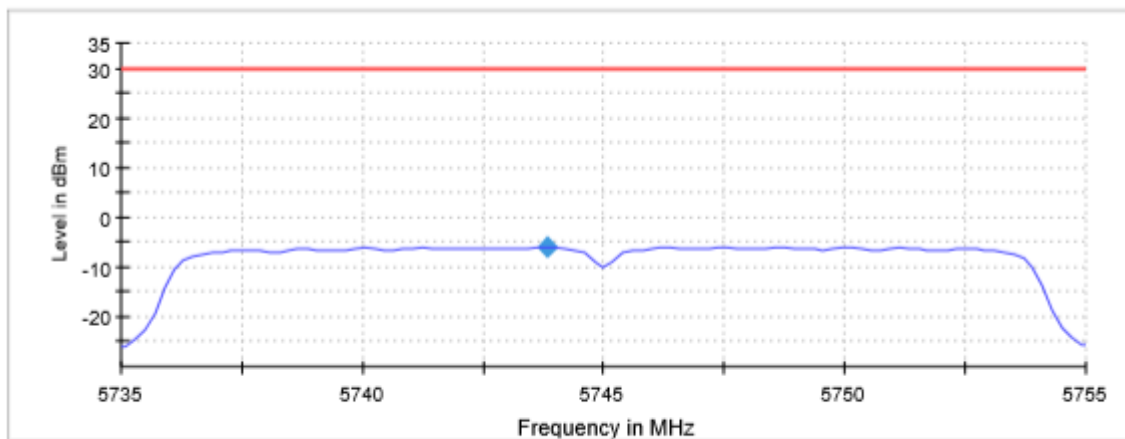
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n20 mode Chip 2 MIMO)
TEST RESULTS:	PASS

Port 3 & 4
 Bandwidth: 20 MHz

	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Power spectral density (dBm)	-5.903	-6.081	-6.304
Measurement uncertainty (kHz)	<± 0.78		

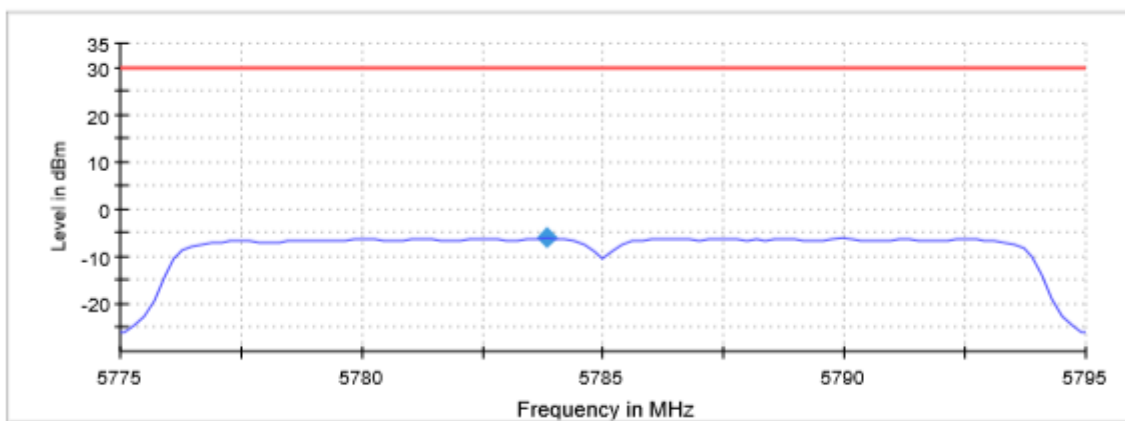
TEST RESULTS (Cont.):

Lowest Channel



— Limit ◆ PSD — Sum Level

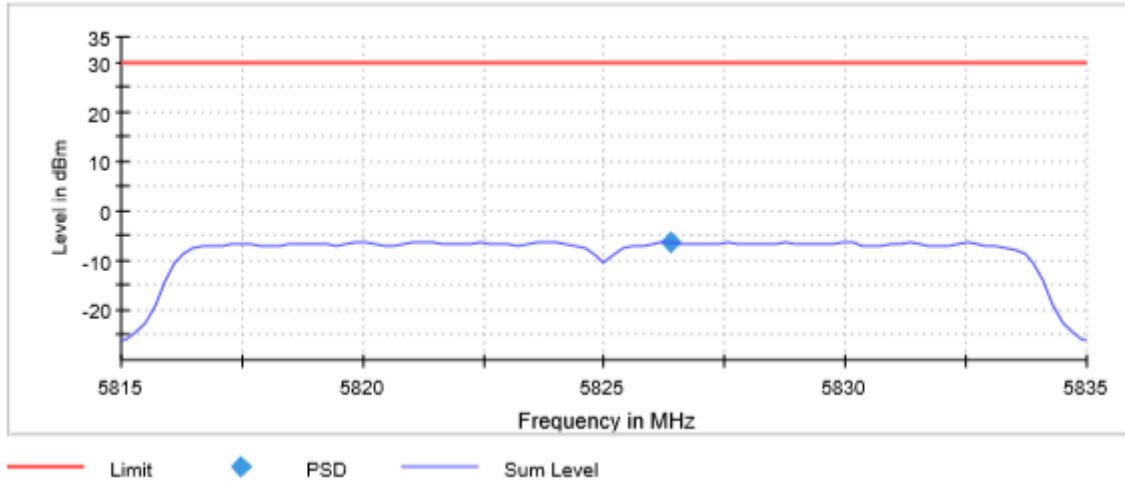
Middle Channel



— Limit ◆ PSD — Sum Level

TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweeptime	2.020 s	2.020 s	2.020 s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.18 dB	0.12 dB	0.14 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 1 SISO)
TEST RESULTS:	PASS

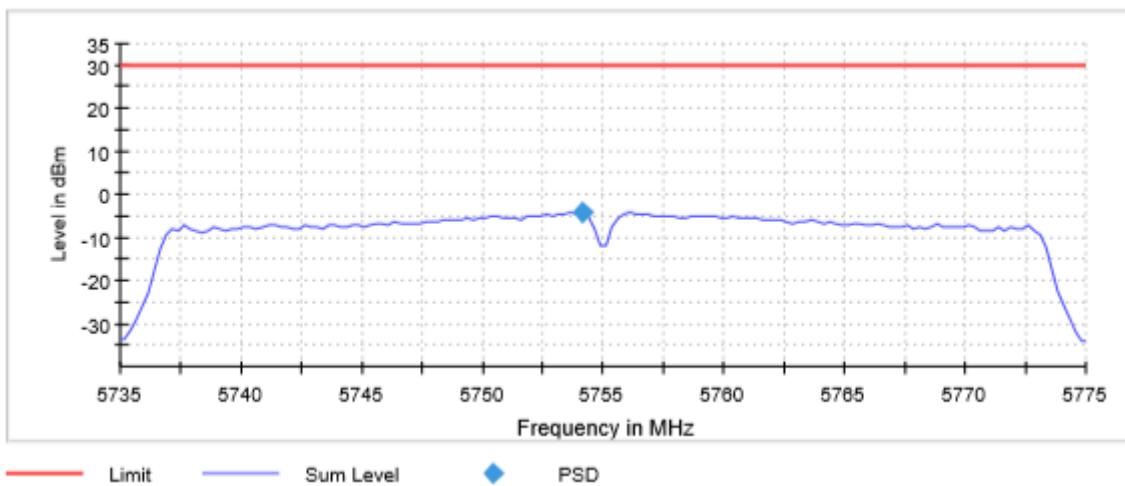
Port 2

Bandwidth: 40 MHz

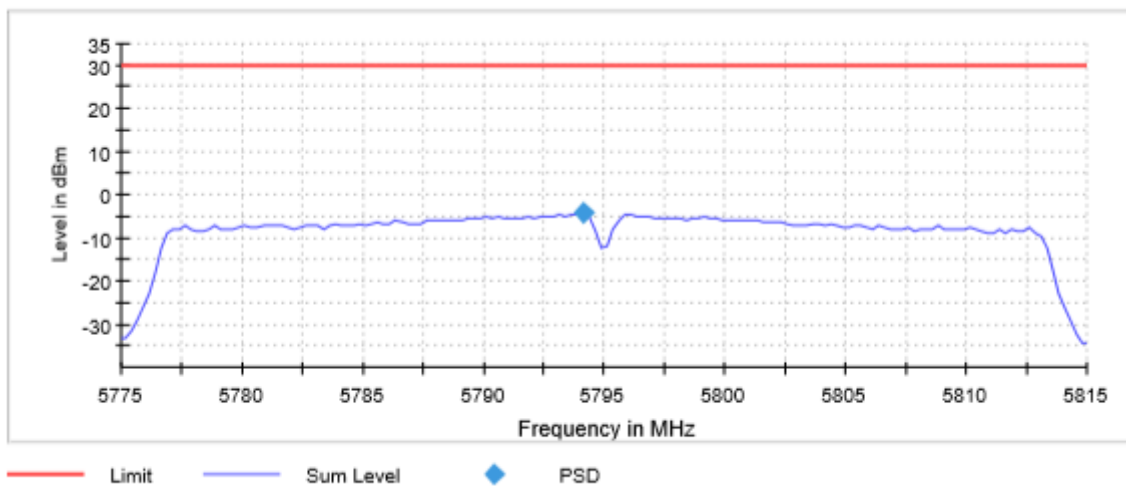
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-4.053	-4.133
Measurement uncertainty (kHz)	<± 0.78	

TEST RESULTS (Cont.):

Lowest Channel



Highest Channel



TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	10.000 dBm
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 15	6 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.15 dB	0.08 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 2 SISO)
TEST RESULTS:	PASS

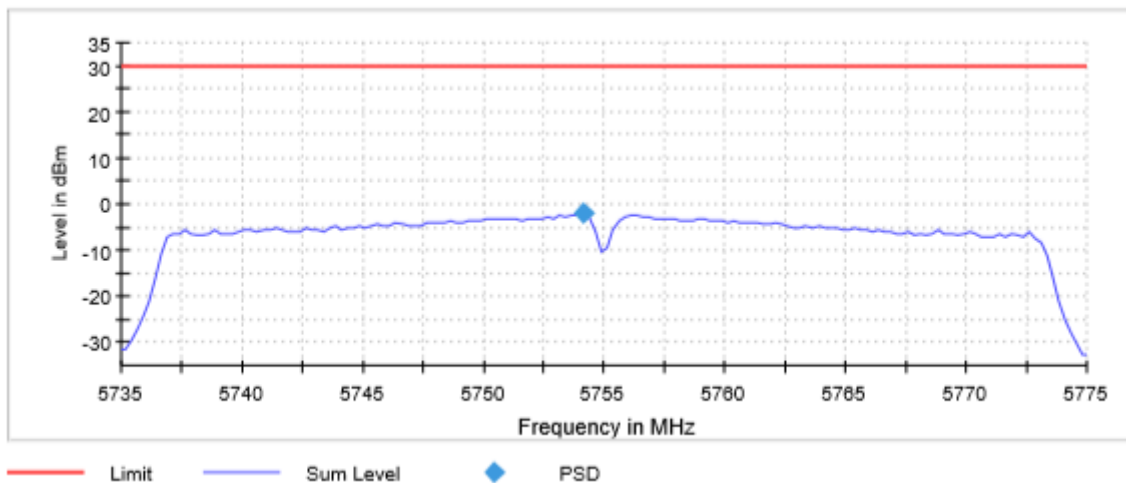
Port 4

Bandwidth: 40 MHz

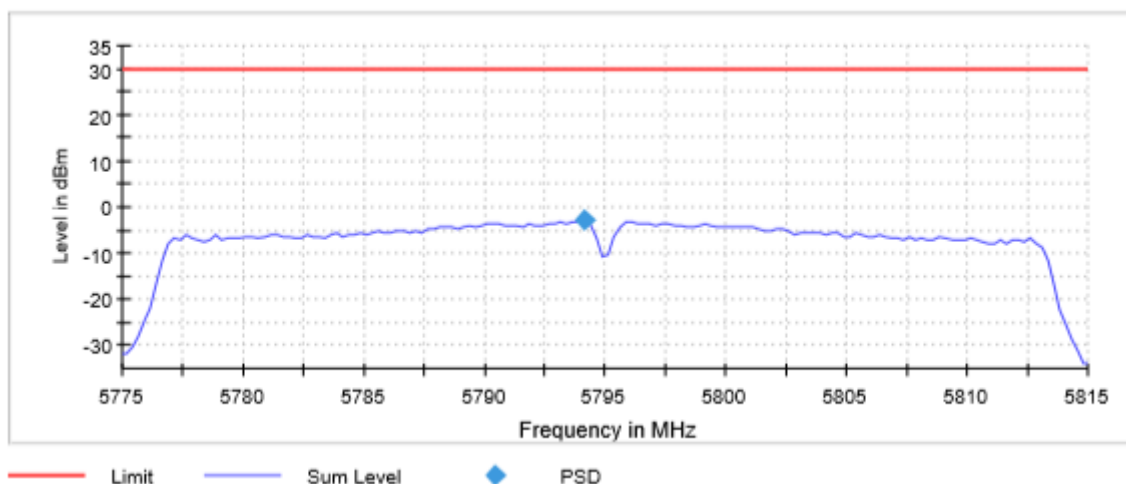
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-1.983	-2.828
Measurement uncertainty (kHz)	<± 0.78	

TEST RESULTS (Cont.):	
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Lowest Channel



Highest Channel



TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	10.000 dBm
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 15	8 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.10 dB	0.24 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 1 MIMO)
TEST RESULTS:	PASS

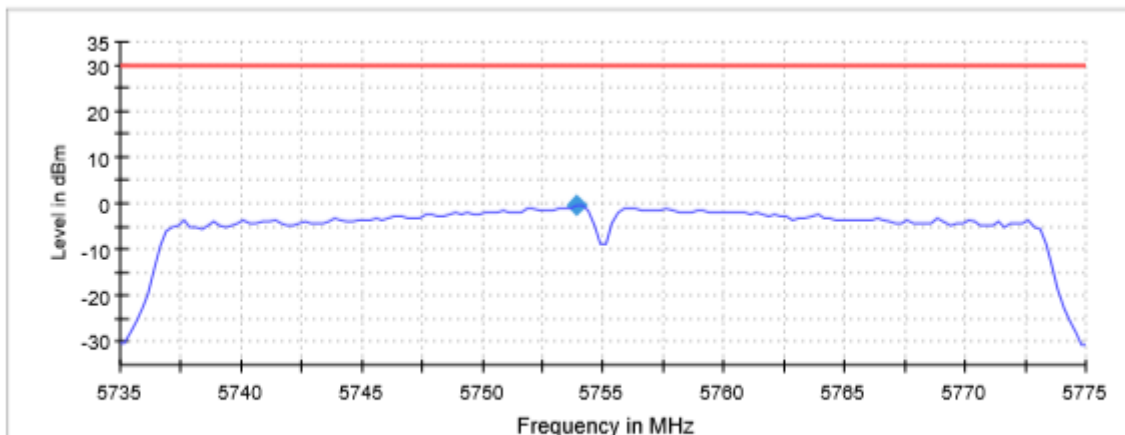
Port 1 & 2

Bandwidth: 40 MHz

	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-0.518	-0.408
Measurement uncertainty (kHz)	<± 0.78	

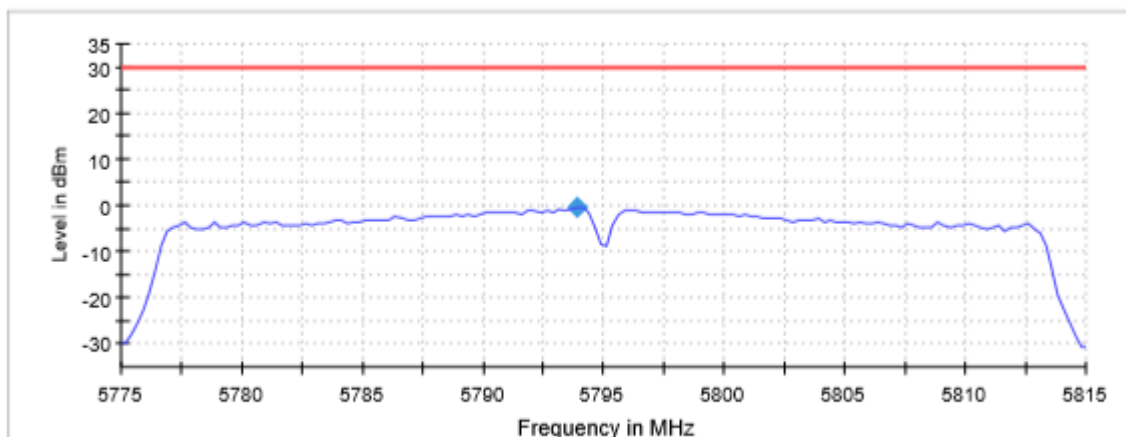
TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel



— Limit ◆ PSD — Sum Level

Highest Channel



— Limit ◆ PSD — Sum Level

TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	10.000 dBm
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 15	6 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.23 dB	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (n40 mode Chip 2 MIMO)
TEST RESULTS:	PASS

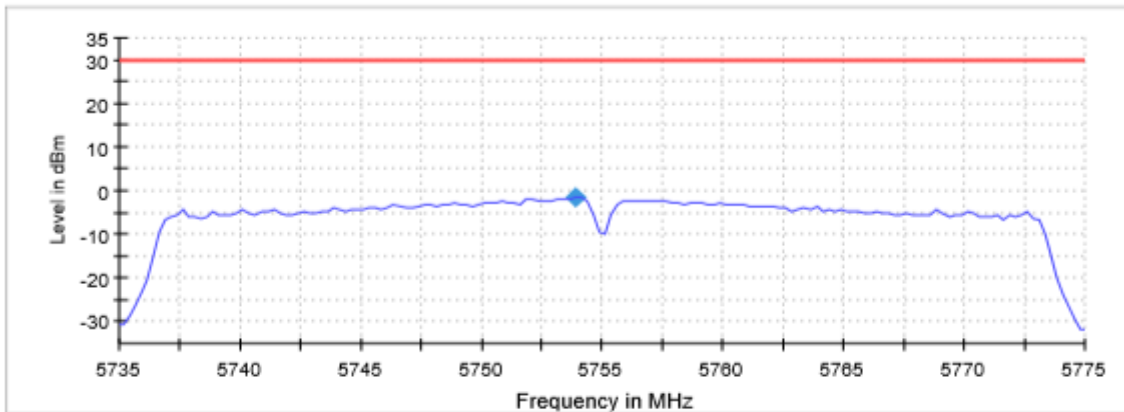
Port 3 & 4

Bandwidth: 40 MHz

	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-1.447	-1.111
Measurement uncertainty (kHz)	<± 0.78	

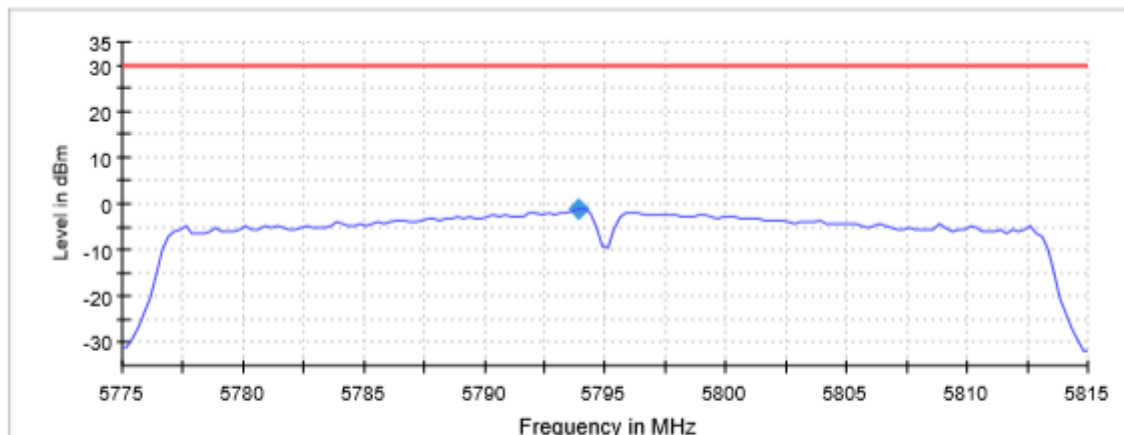
TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
------------------------------	-------------------------------

Lowest Channel



— Limit ◆ PSD — Sum Level

Highest Channel



— Limit ◆ PSD — Sum Level

TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	00.000 dBm	00.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	11 / max. 15	7 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.07 dB	0.15 dB

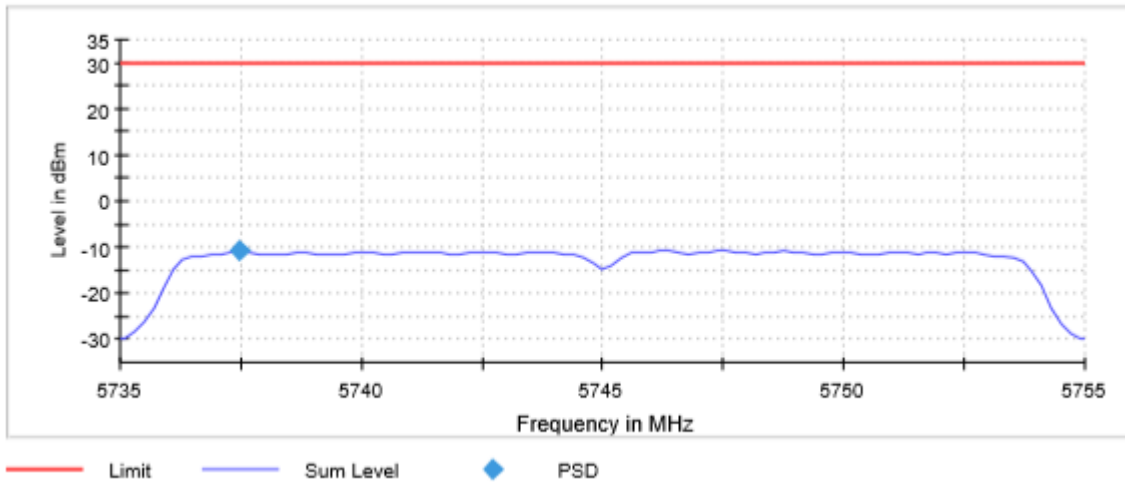
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 1 SISO)
TEST RESULTS:	PASS

Port 2
Bandwidth: 20 MHz

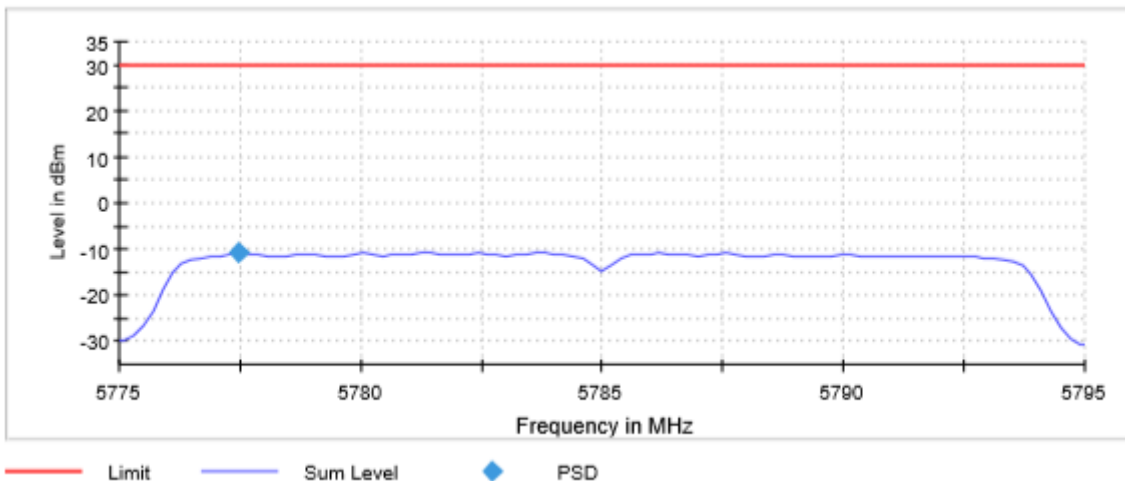
	Lowest frequency	Middle frequency	Highest frequency
	5745 MHz	5785 MHz	5825 MHz
Power spectral density (dBm)	-10.820	-10.790	-11.041
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):

Lowest Channel

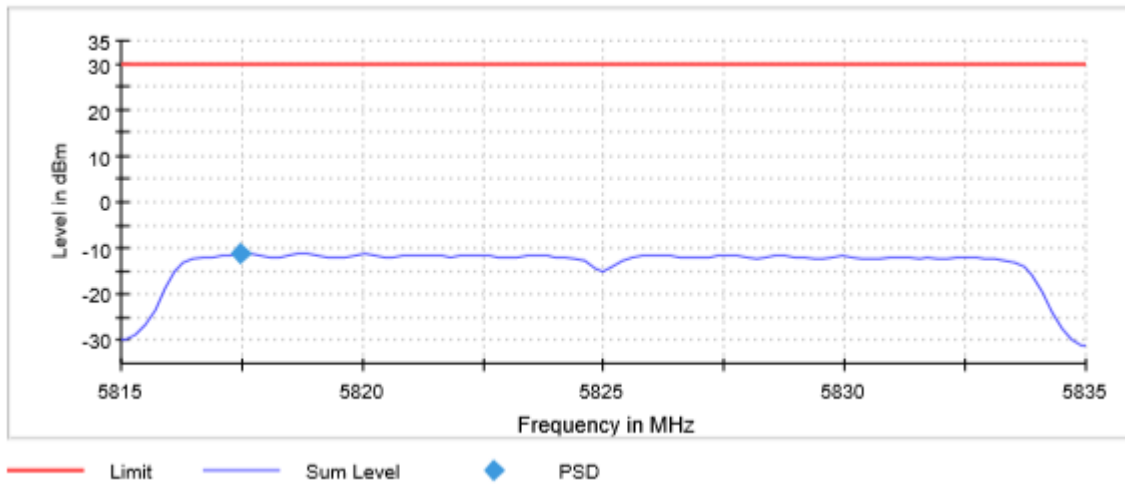


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	10.000 dBm	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB	30.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.18 dB	0.02 dB	0.11 dB

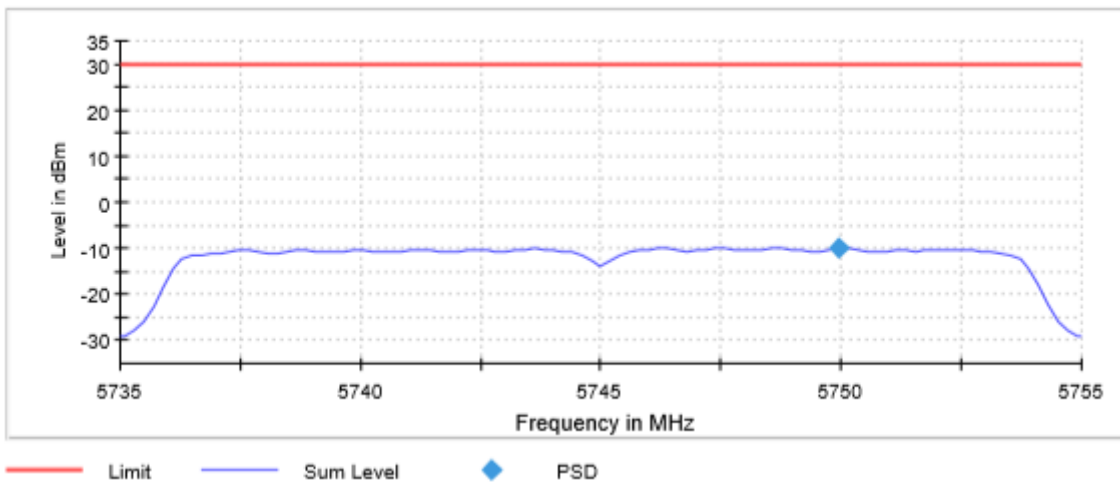
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 2 SISO)
TEST RESULTS:	PASS

Port 4
 Bandwidth: 20 MHz

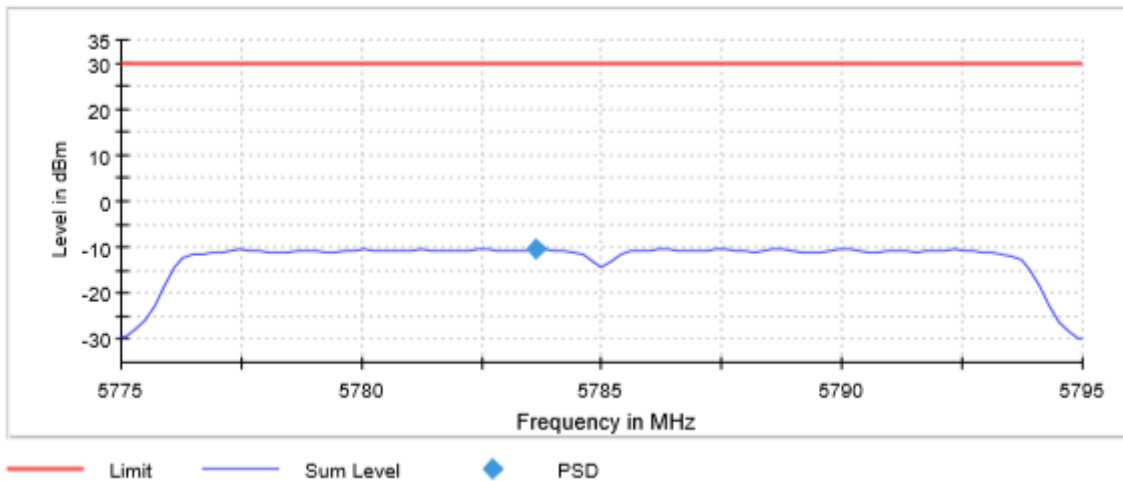
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Power spectral density (dBm)	-9.924	-10.343	-10.404
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel

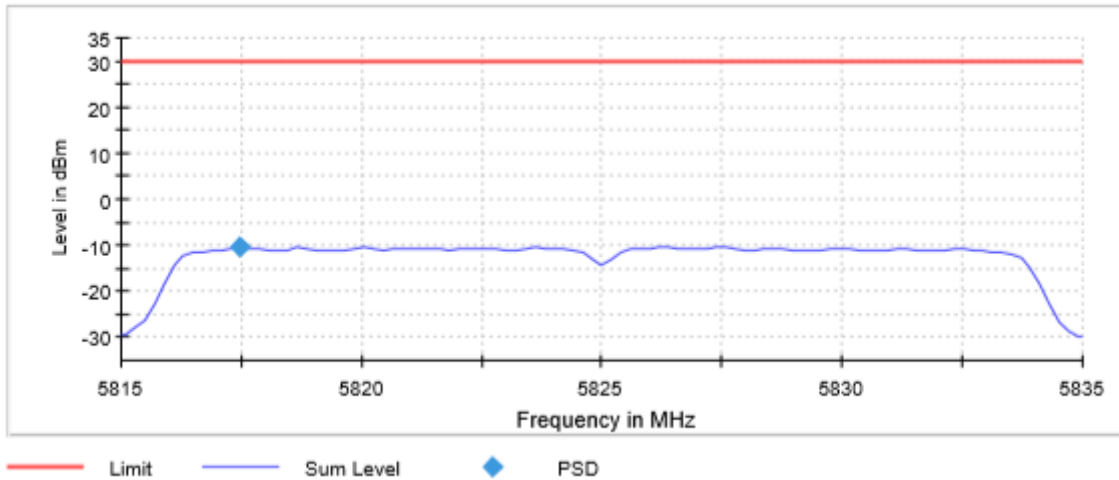


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	00.000 dBm	00.000 dBm	00.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.07 dB	0.10 dB	0.00 dB

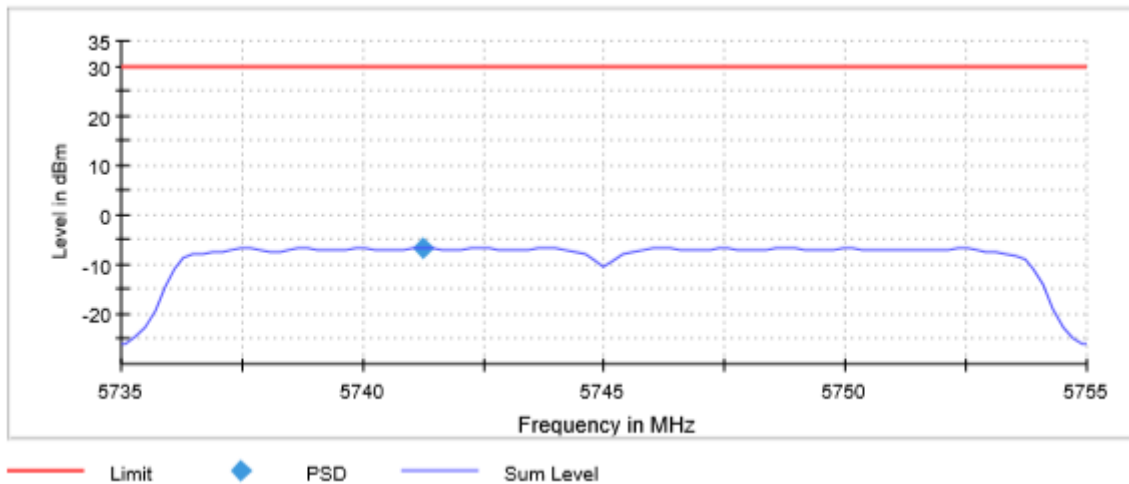
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 1 MIMO)
TEST RESULTS:	PASS

Port 1 & 2
 Bandwidth: 20 MHz

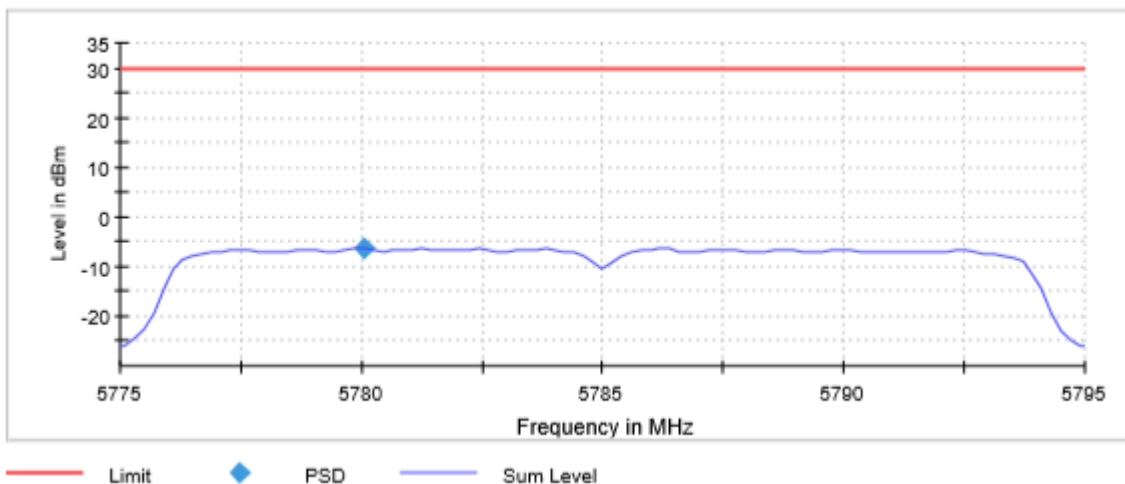
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Power spectral density (dBm)	-6.636	-6.386	-6.750
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):	CONDUCTED OUTPUT POWER
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Lowest Channel

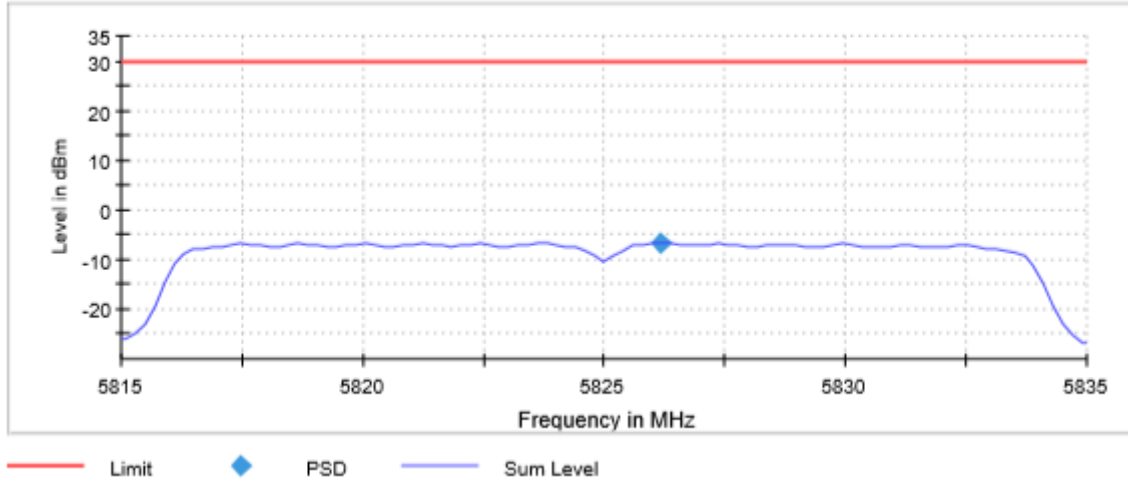


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	00.000 dBm	00.000 dBm	00.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.06 dB	0.21 dB	0.09 dB

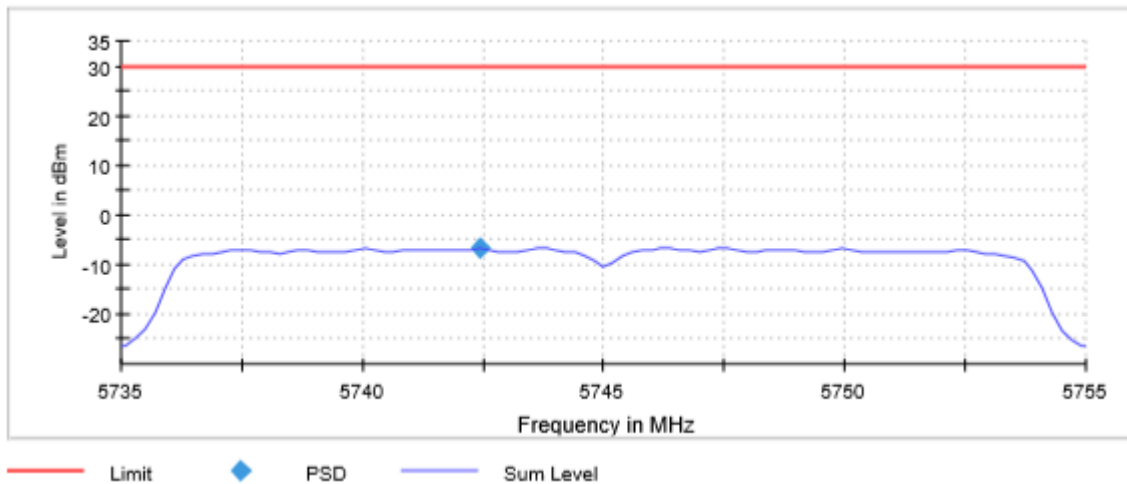
TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac20 mode Chip 2 MIMO)
TEST RESULTS:	PASS

Port 3 & 4
 Bandwidth: 20 MHz

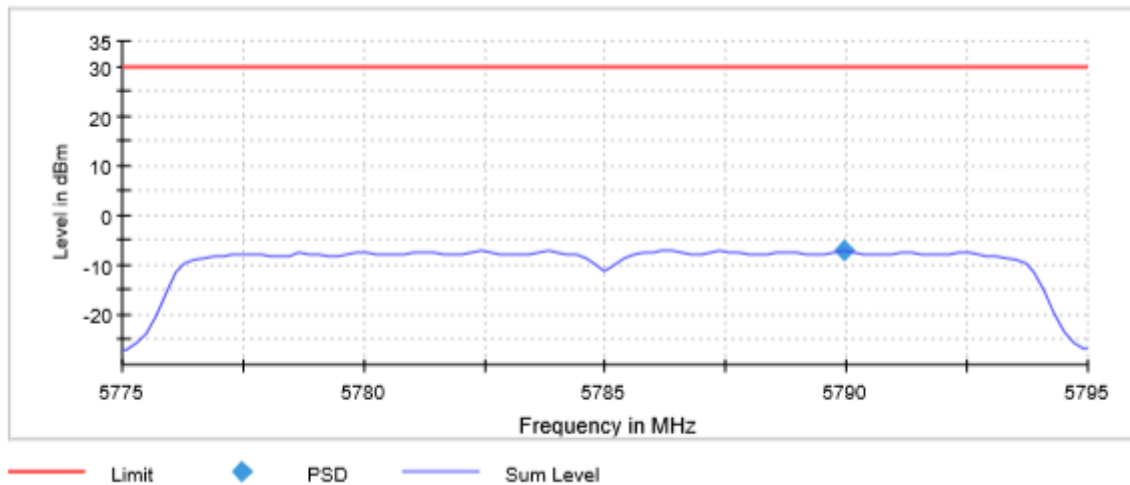
	Lowest frequency 5745 MHz	Middle frequency 5785 MHz	Highest frequency 5825 MHz
Power spectral density (dBm)	-6.816	-7.215	-7.522
Measurement uncertainty (kHz)	<± 0.78		

TEST RESULTS (Cont.):	
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Lowest Channel

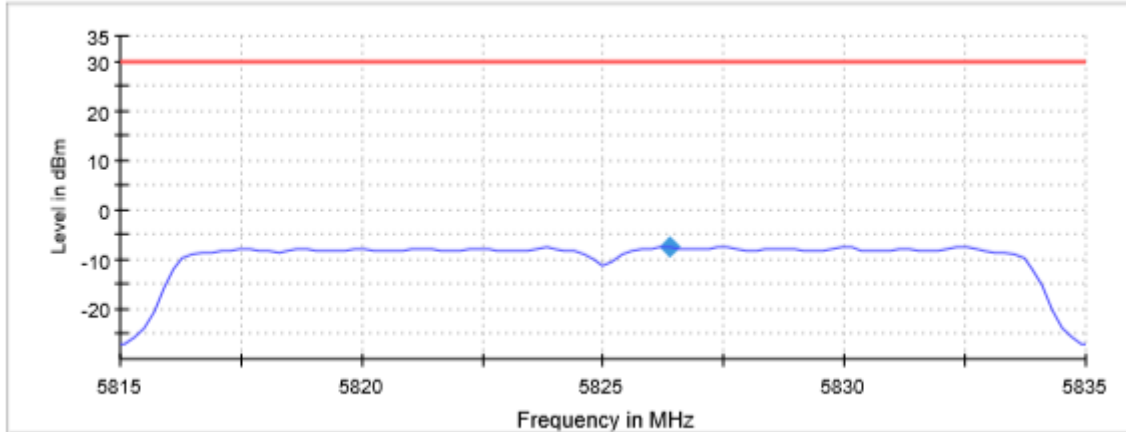


Middle Channel



TEST RESULTS (Cont.):

Highest Channel



— Limit ◆ PSD — Sum Level

Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz	5.81500 GHz
Stop Frequency	5.75500 GHz	5.79500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz	20.000 MHz
RBW	500.000 kHz	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz	2.000 MHz
SweepPoints	101	101	101
Sweptime	2.020 s	2.020 s	2.020 s
Reference Level	00.000 dBm	00.000 dBm	00.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	RMS	RMS	RMS
SweepCount	29703	29703	29703
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	Off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.30 dB	0.30 dB	0.30 dB
Run	4 / max. 15	4 / max. 15	4 / max. 15
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.15 dB	0.13 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 1 SISO)
TEST RESULTS:	PASS

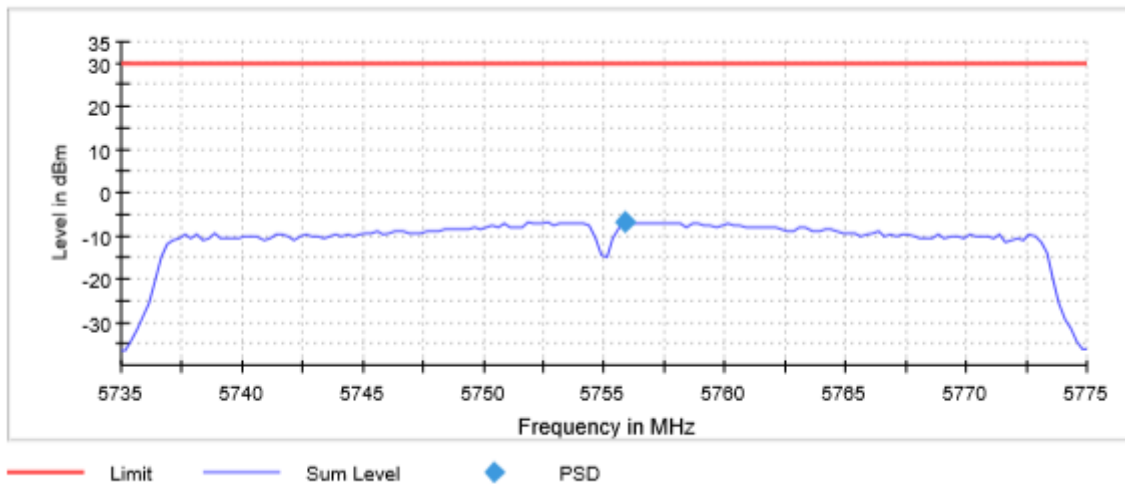
Port 2

Bandwidth: 40 MHz

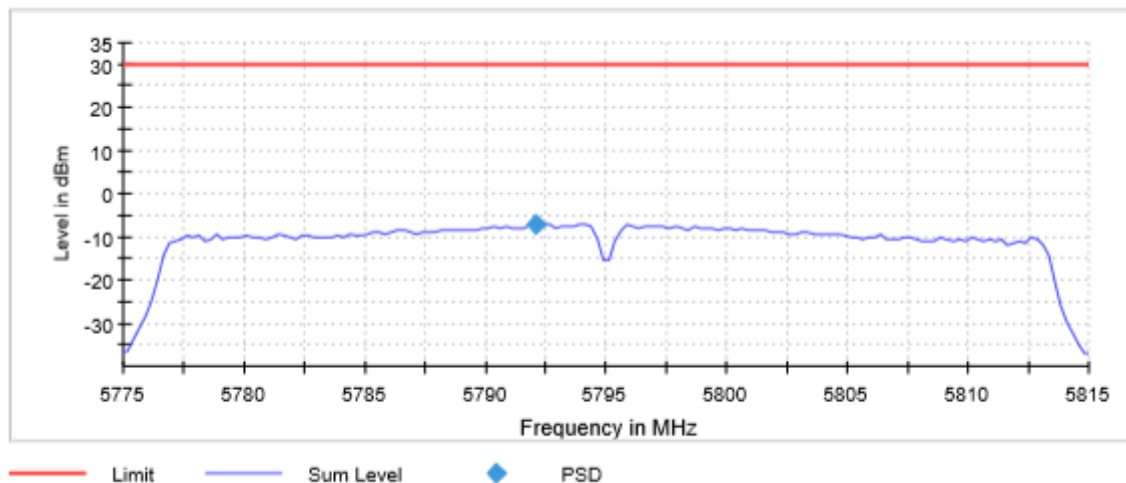
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-6.757	-7.035
Measurement uncertainty (kHz)	<± 0.78	

TEST RESULTS (Cont.):	
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Lowest Channel



Highest Channel



TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	11 / max. 15	6 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.15 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 2 SISO)
TEST RESULTS:	PASS

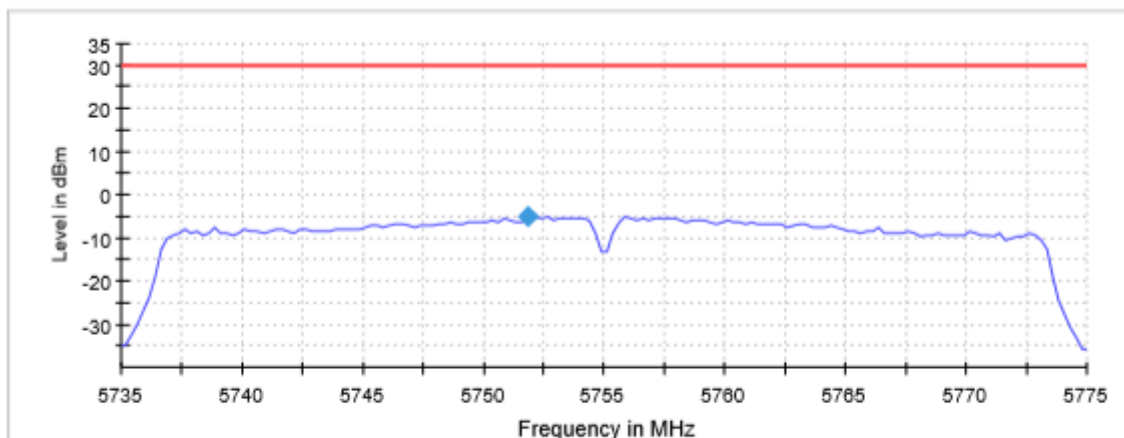
Port 4

Bandwidth: 40 MHz

	Lowest frequency	Highest frequency
	5755 MHz	5795 MHz
Power spectral density (dBm)	-5.030	-5,582
Measurement uncertainty (kHz)	<± 0.78	

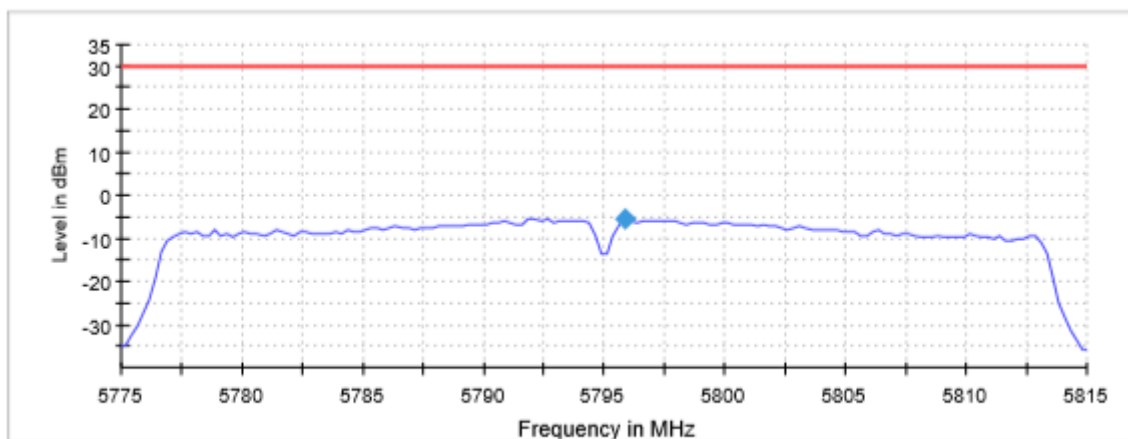
TEST RESULTS (Cont.):

Lowest Channel



— Limit — Sum Level ◆ PSD

Highest Channel



— Limit — Sum Level ◆ PSD

TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	8 / max. 15	9 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.05 dB	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 1 MIMO)
TEST RESULTS:	PASS

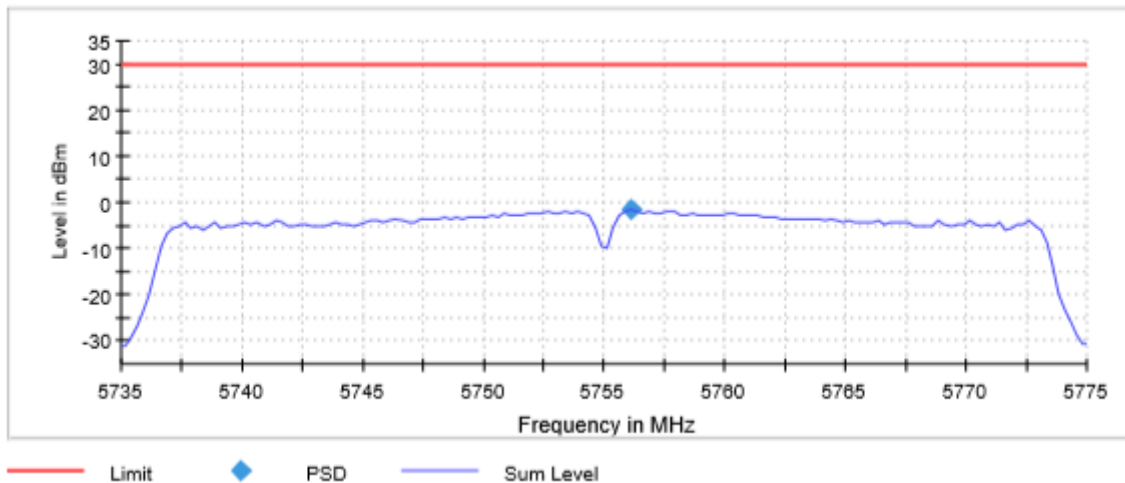
Port 1 & 2

Bandwidth: 40 MHz

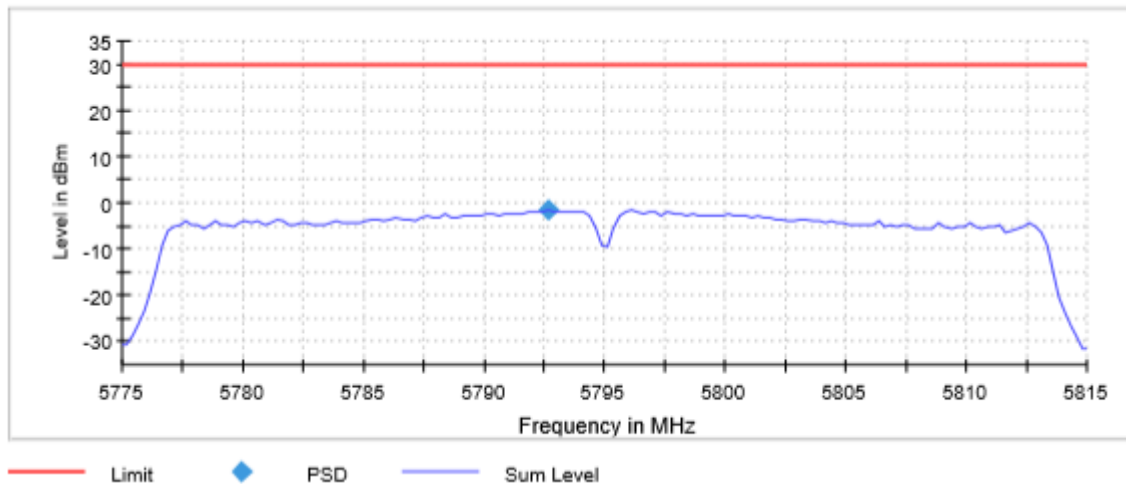
	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-1.557	-1.399
Measurement uncertainty (kHz)	$<\pm 0.78$	

TEST RESULTS (Cont.):	
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Lowest Channel



Highest Channel



TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 15	9 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.15 dB	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac40 mode Chip 2 MIMO)
TEST RESULTS:	PASS

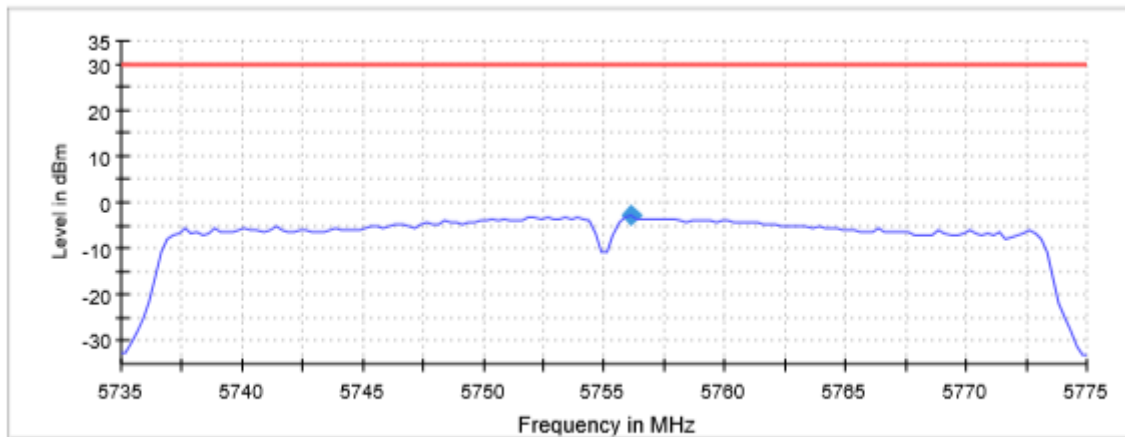
Port 3 & 4

Bandwidth: 40 MHz

	Lowest frequency 5755 MHz	Highest frequency 5795 MHz
Power spectral density (dBm)	-2.844	-2.588
Measurement uncertainty (kHz)	<± 0.78	

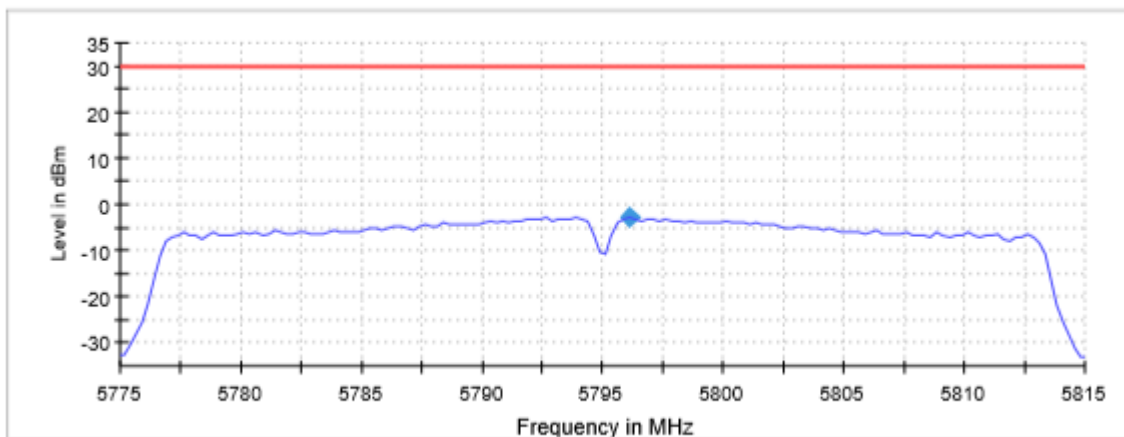
TEST RESULTS (Cont.):	
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Lowest Channel



— Limit ◆ PSD — Sum Level

Highest Channel



— Limit ◆ PSD — Sum Level

TEST RESULTS (Cont.):

Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	5.73500 GHz	5.77500 GHz
Stop Frequency	5.77500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	500.000 kHz
VBW	2.000 MHz	2.000 MHz
SweepPoints	160	160
Sweeptime	3.200 s	3.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
SweepCount	18751	18751
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	Off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 15	9 / max. 15
Stable	3 / 3	3 / 3
Max Stable Difference	0.22 dB	0.19 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 1 SISO)
TEST RESULTS:	PASS

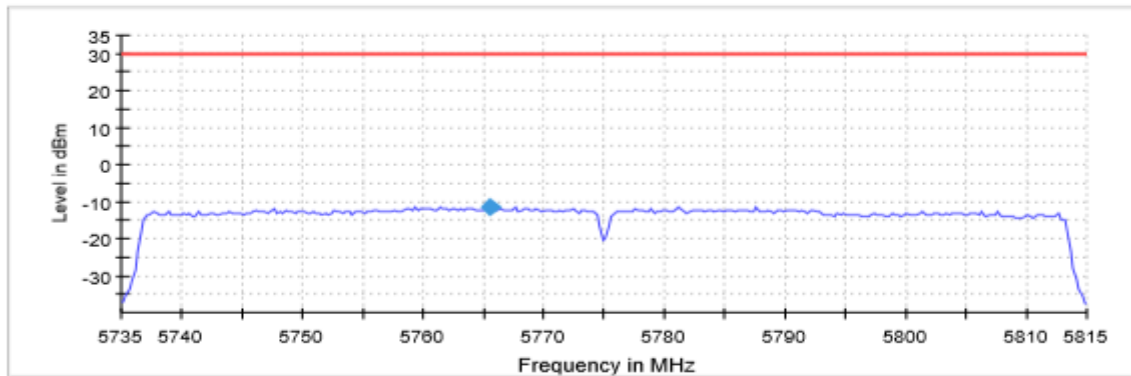
Port 2

Bandwidth: 80 MHz

	Lowest frequency 5775 MHz
Power spectral density (dBm)	-11.329
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):

Lowest Channel



— Limit — Sum Level ◆ PSD

Measurement

Setting	Instrument Value
Start Frequency	5.73500 GHz
Stop Frequency	5.81500 GHz
Span	80.000 MHz
RBW	500.000 kHz
VBW	2.000 MHz
SweepPoints	320
Sweeptime	6.400 s
Reference Level	10.000 dBm
Attenuation	30.000 dB
Detector	RMS
SweepCount	9376
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	Off
Stablemode	Trace
Stablevalue	0.30 dB
Run	14 / max. 15
Stable	3 / 3
Max Stable Difference	0.00 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 2 SISO)
TEST RESULTS:	PASS

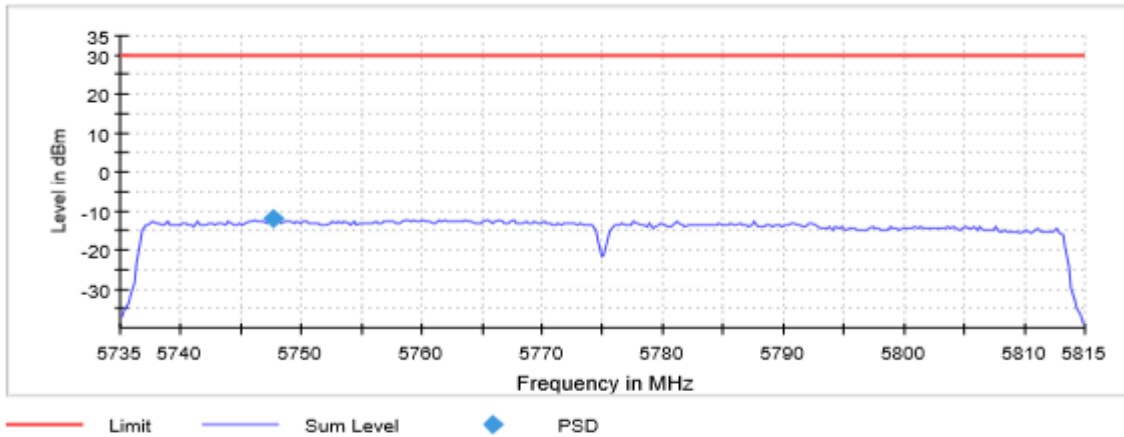
Port 4

Bandwidth: 80 MHz

	Lowest frequency 5775 MHz
Power spectral density (dBm)	-12.079
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):	
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Lowest Channel



Measurement

Setting	Instrument Value
Start Frequency	5.73500 GHz
Stop Frequency	5.81500 GHz
Span	80.000 MHz
RBW	500.000 kHz
VBW	2.000 MHz
SweepPoints	320
Sweptime	6.400 s
Reference Level	10.000 dBm
Attenuation	30.000 dB
Detector	RMS
SweepCount	9376
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	Off
Stablemode	Trace
Stablevalue	0.30 dB
Run	14 / max. 15
Stable	3 / 3
Max Stable Difference	0.15 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 1 MIMO)
TEST RESULTS:	PASS

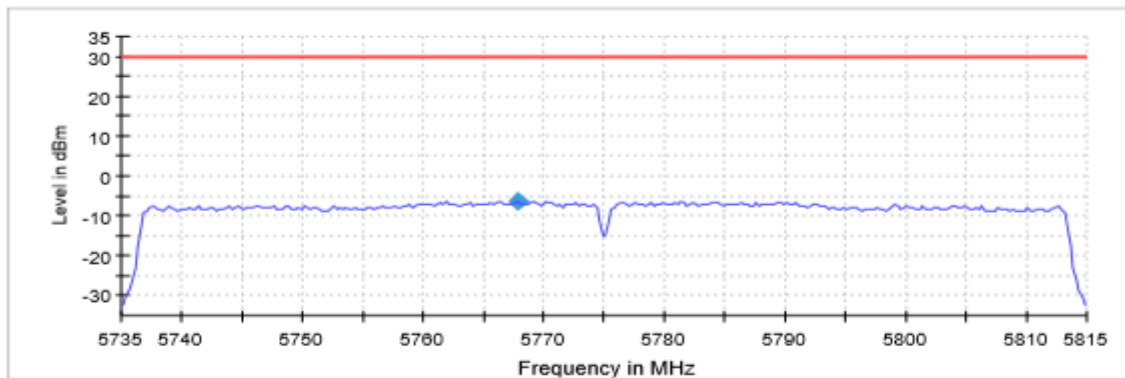
Port 1 & 2

Bandwidth: 80 MHz

	Lowest frequency 5775 MHz
Power spectral density (dBm)	-6.404
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):

Lowest Channel



— Limit ◆ PSD — Sum Level

Measurement

Setting	Instrument Value
Start Frequency	5.73500 GHz
Stop Frequency	5.81500 GHz
Span	80.000 MHz
RBW	500.000 kHz
VBW	2.000 MHz
SweepPoints	320
Sweeptime	6.400 s
Reference Level	10.000 dBm
Attenuation	30.000 dB
Detector	RMS
SweepCount	9376
Filter	3 dB
Trace Mode	Max Hold
SweepType	Sweep
Preamp	Off
Stablemode	Trace
Stablevalue	0.30 dB
Run	15 / max. 15
Stable	3 / 3
Max Stable Difference	0.12 dB

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (ac80 mode Chip 2 MIMO)
TEST RESULTS:	PASS

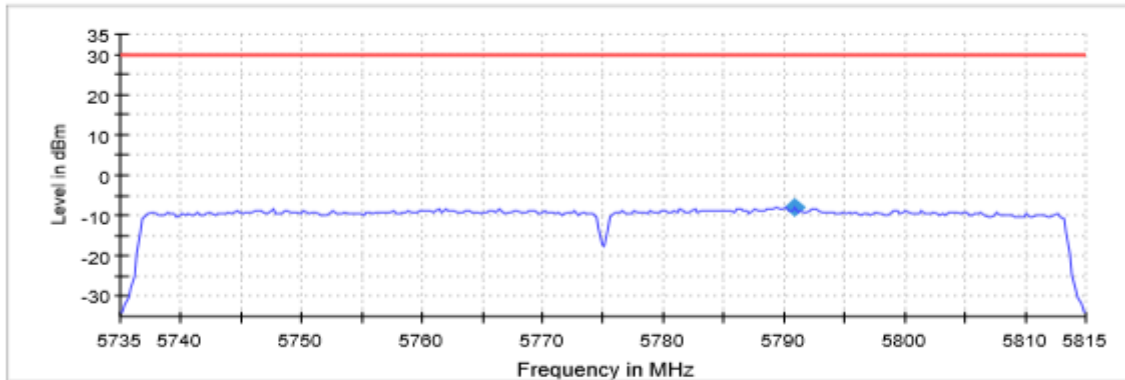
Port 3 & 4

Bandwidth: 80 MHz

	Lowest frequency 5775 MHz
Power spectral density (dBm)	-8.023
Measurement uncertainty (kHz)	<± 0.78

TEST RESULTS (Cont.):	
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Lowest Channel



— Limit ◆ PSD — Sum Level

Measurement

Setting	Instrument Value
Start Frequency	5.73500 GHz
Stop Frequency	5.81500 GHz
Span	80.000 MHz
RBW	500.000 kHz
VBW	2.000 MHz
SweepPoints	320
Sweeptime	6.400 s
Reference Level	10.000 dBm
Attenuation	30.000 dB
Detector	RMS
SweepCount	9376
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	Off
Stablemode	Trace
Stablevalue	0.30 dB
Run	14 / max. 15
Stable	3 / 3
Max Stable Difference	0.00 dB

TEST C.5: BAND-EDGE RADIATED EMISSIONS COMPLIANCE (TRANSMITTER)

LIMITS:	Product standard:	Part 15 Subpart C §15.407 and RSS-247
	Test standard:	Part 15 Subpart C §15.407(b)(4) and RSS-247 6.2.4.2

LIMITS

For transmitters operating in the 5.725 – 5.85 GHz band: all emissions outside the frequency band shall not exceed an EIRP of -27 dBm /MHz

TEST SETUP

