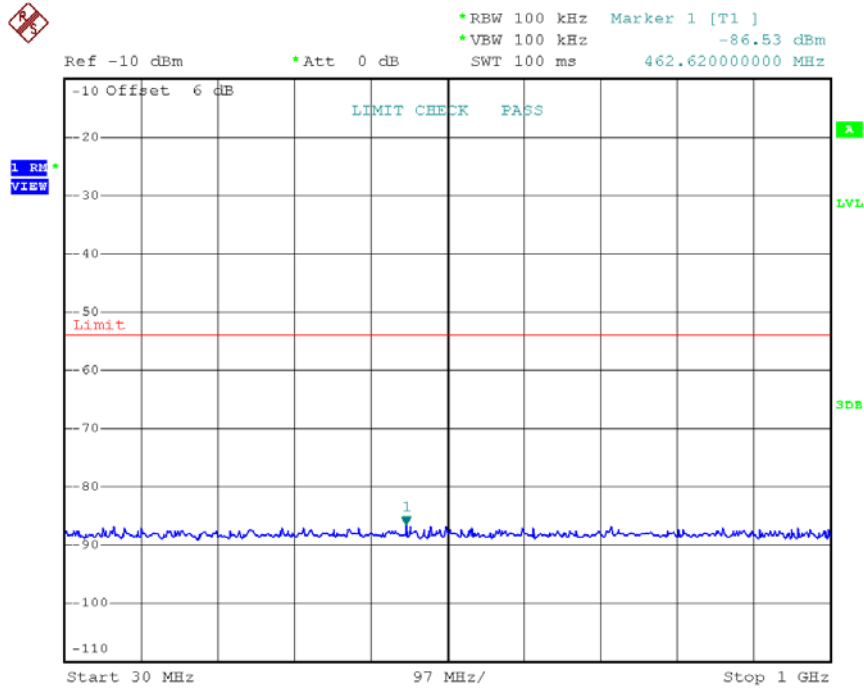
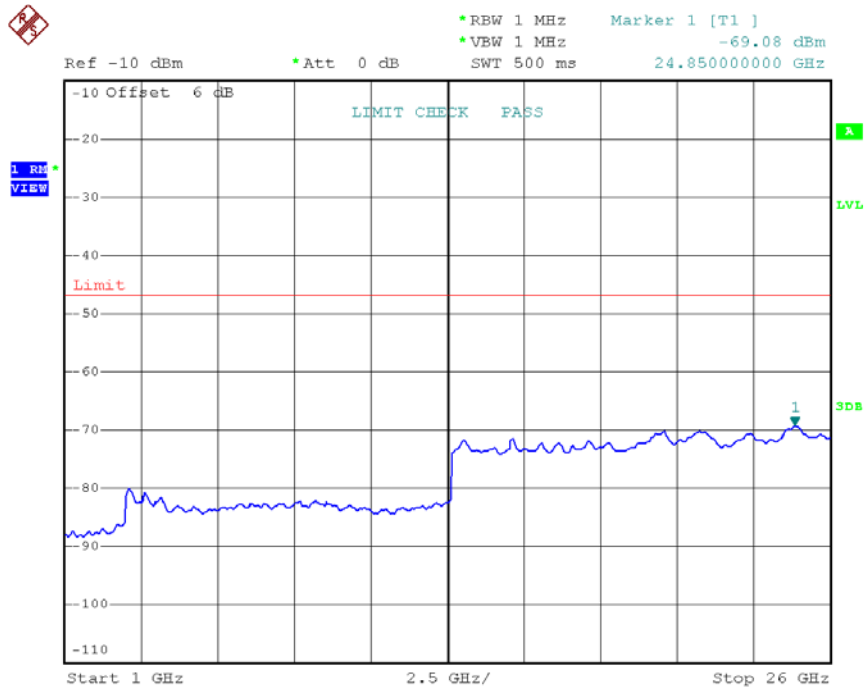


### 5300 MHz ( $f < 1\text{GHz}$ )



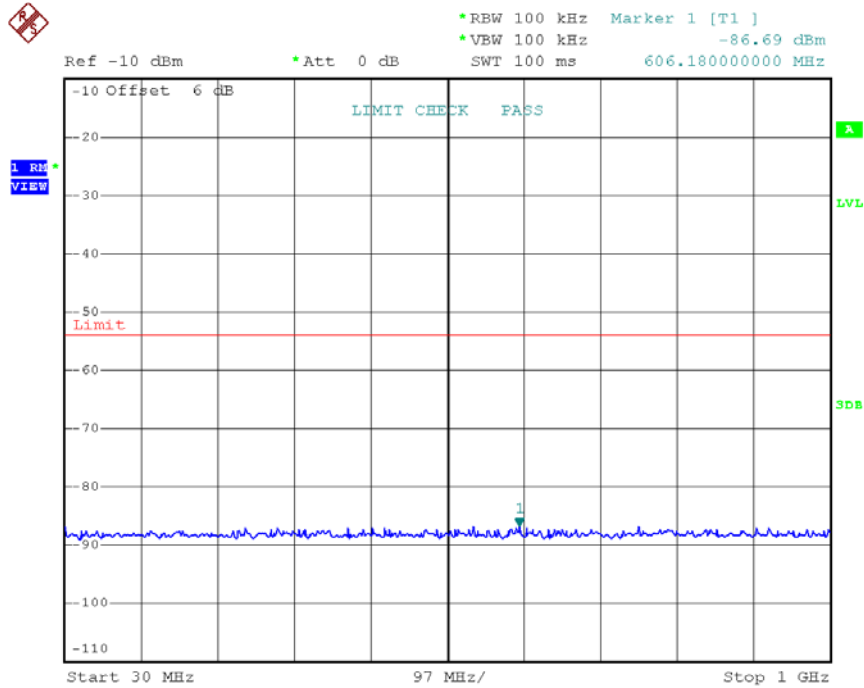
Date: 27.NOV.2018 19:56:46

### 5300 MHz ( $f \geq 1\text{GHz}$ )



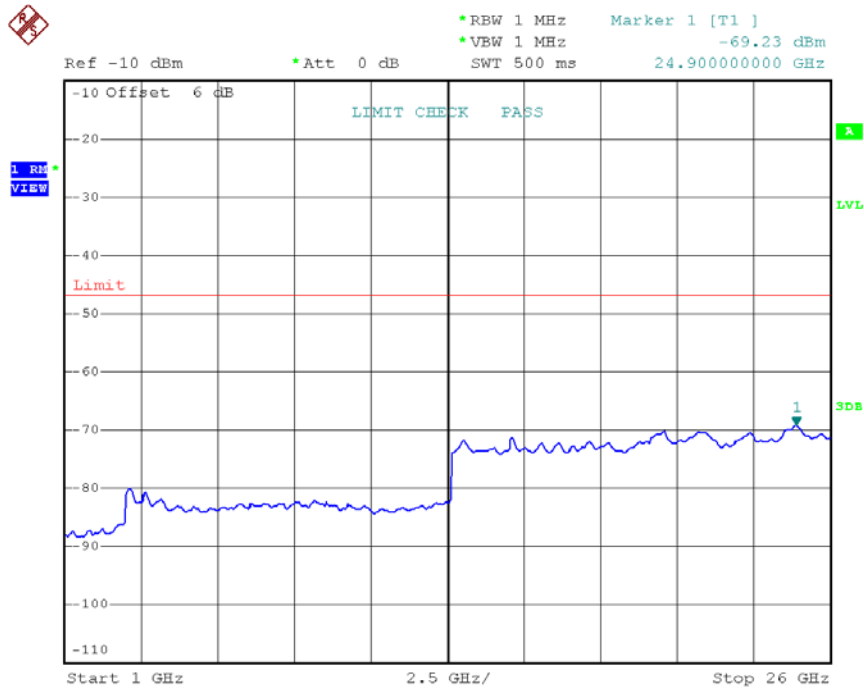
Date: 27.NOV.2018 19:56:57

### 5320 MHz ( $f < 1\text{GHz}$ )



Date: 27.NOV.2018 19:57:15

### 5320 MHz ( $f \geq 1\text{GHz}$ )

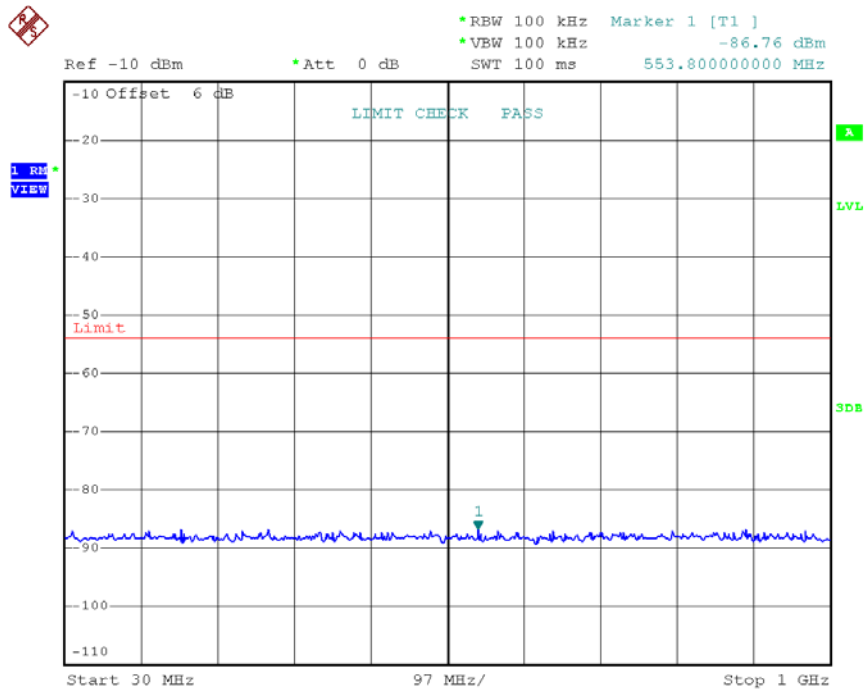


Date: 27.NOV.2018 19:57:25

Test Mode:	802.11ac(VHT40) - W53
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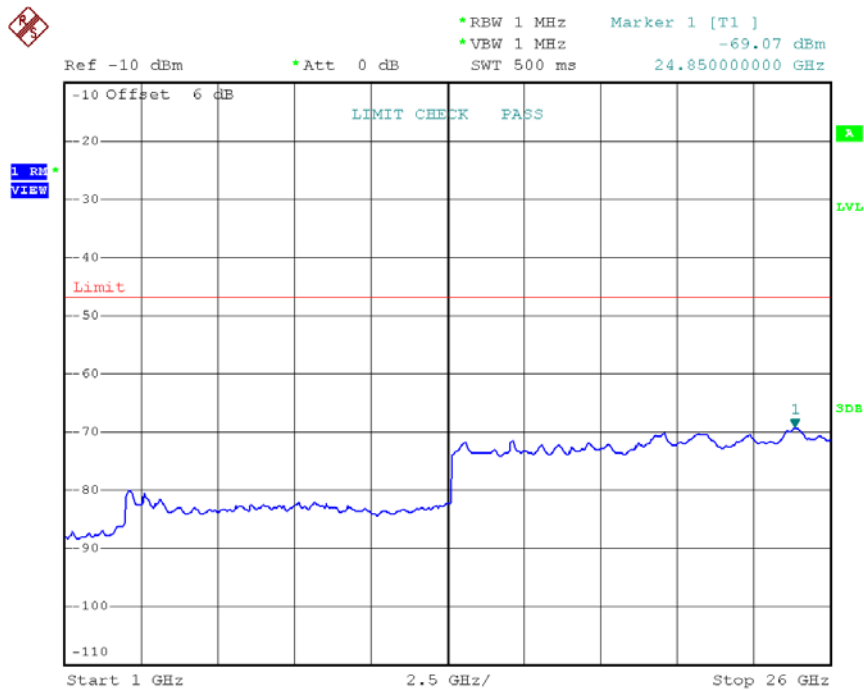
Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5270	5310	-	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0021	0.0022	-	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1239	0.1197	-	nW	Limit $\leq$ 20 nW (-47 dBm)

### 5270 MHz ( $f < 1\text{GHz}$ )



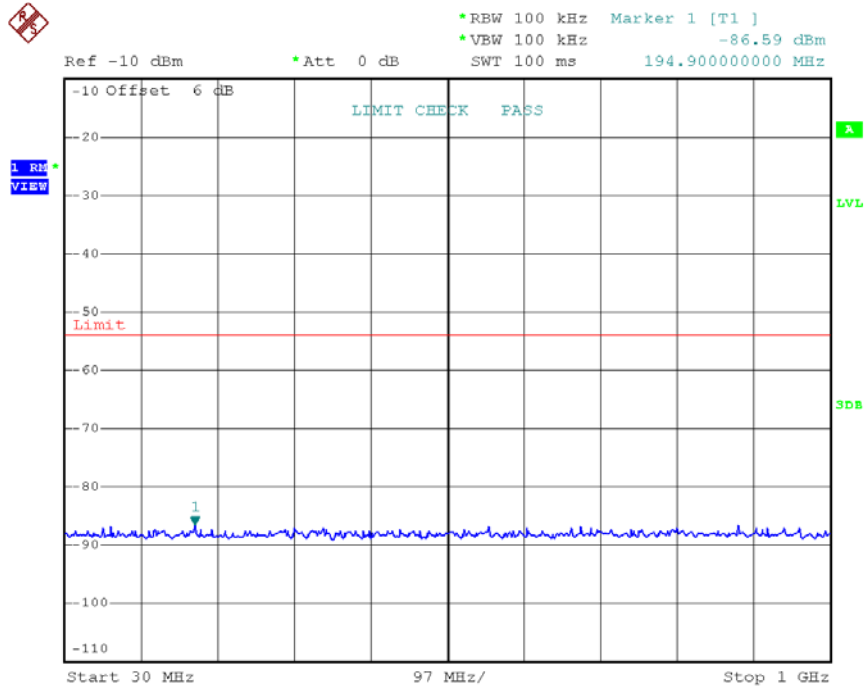
Date: 30.NOV.2018 10:14:20

### 5270 MHz ( $f \geq 1\text{GHz}$ )



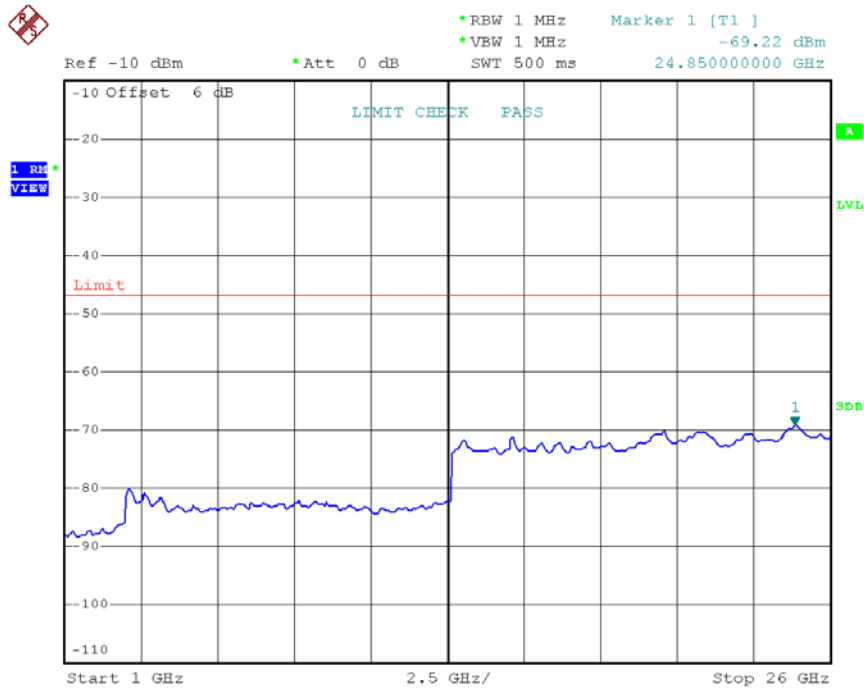
Date: 30.NOV.2018 10:14:31

### 5310 MHz ( $f < 1\text{GHz}$ )



Date: 30.NOV.2018 10:14:44

### 5310 MHz ( $f \geq 1\text{GHz}$ )

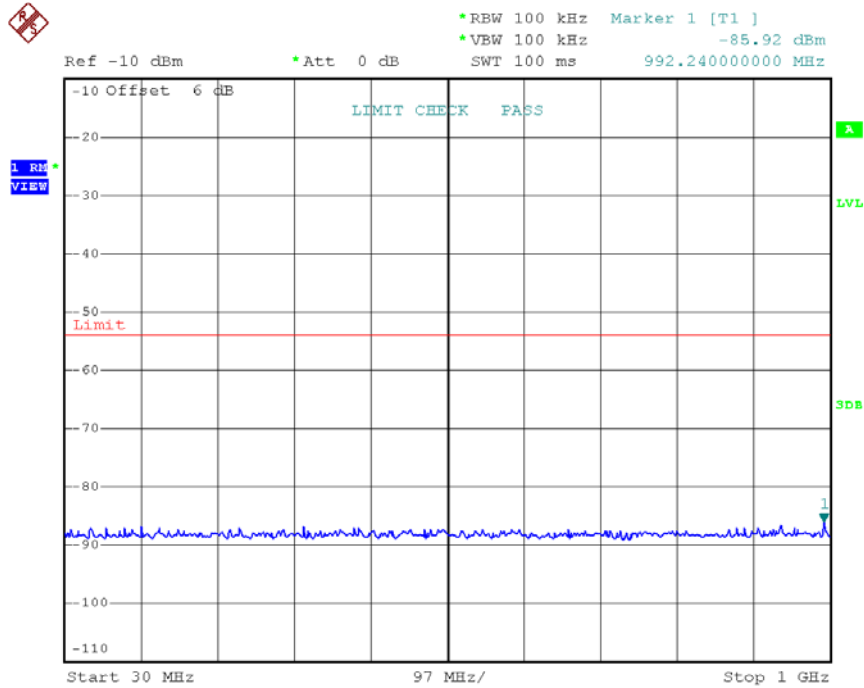


Date: 30.NOV.2018 10:14:55

Test Mode:	802.11ac(VHT80) - W53
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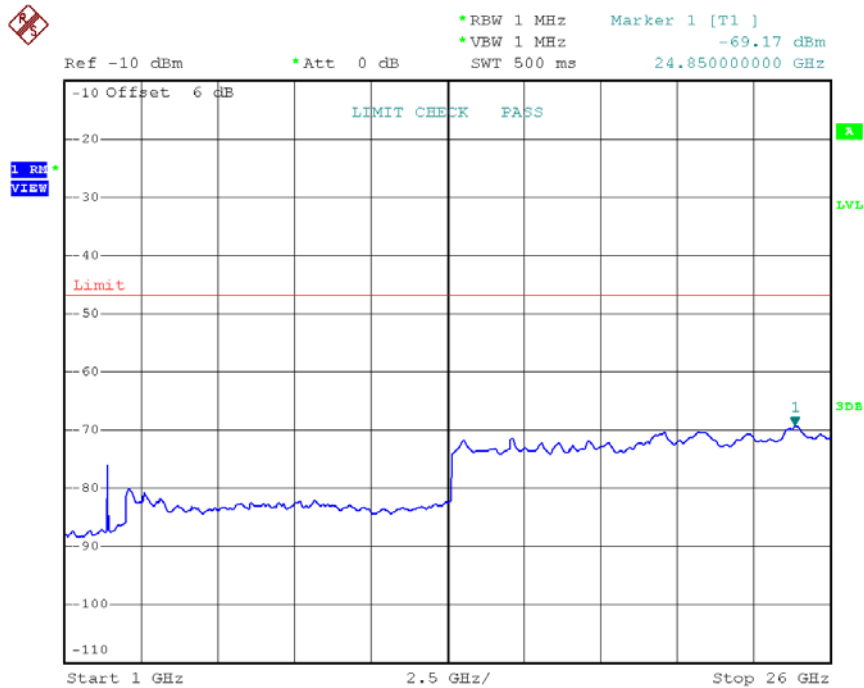
Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5290	-	-	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0026	-	-	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1211	-	-	nW	Limit $\leq$ 20 nW (-47 dBm)

### 5290 MHz ( $f < 1\text{GHz}$ )



Date: 30.NOV.2018 10:35:32

### 5290 MHz ( $f \geq 1\text{GHz}$ )



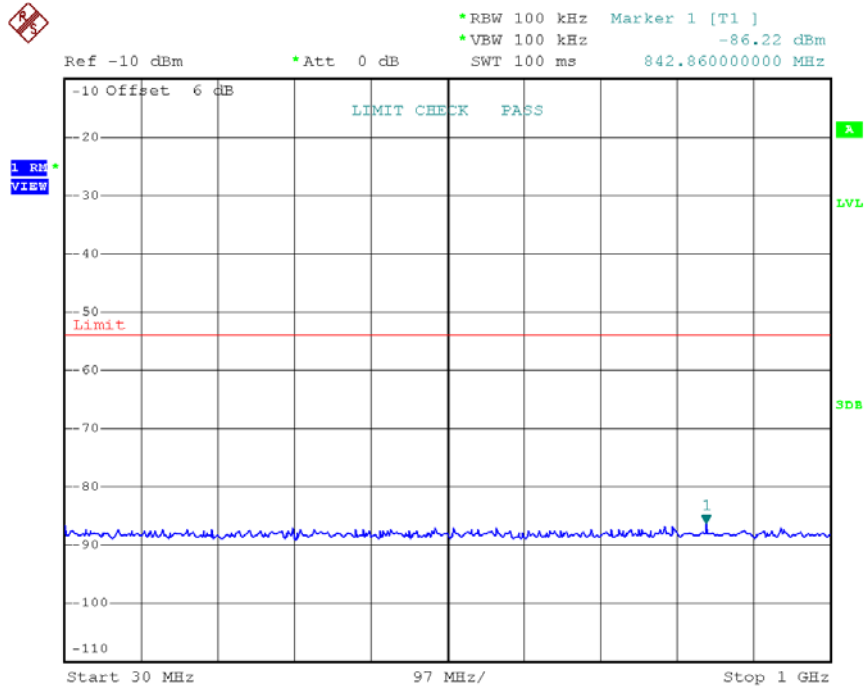
Date: 30.NOV.2018 10:35:43

Test Mode:	802.11a - W56
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Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5500	5600	5700	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0024	0.0024	0.0025	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1205	0.1172	0.1189	nW	Limit $\leq$ 20 nW (-47 dBm)

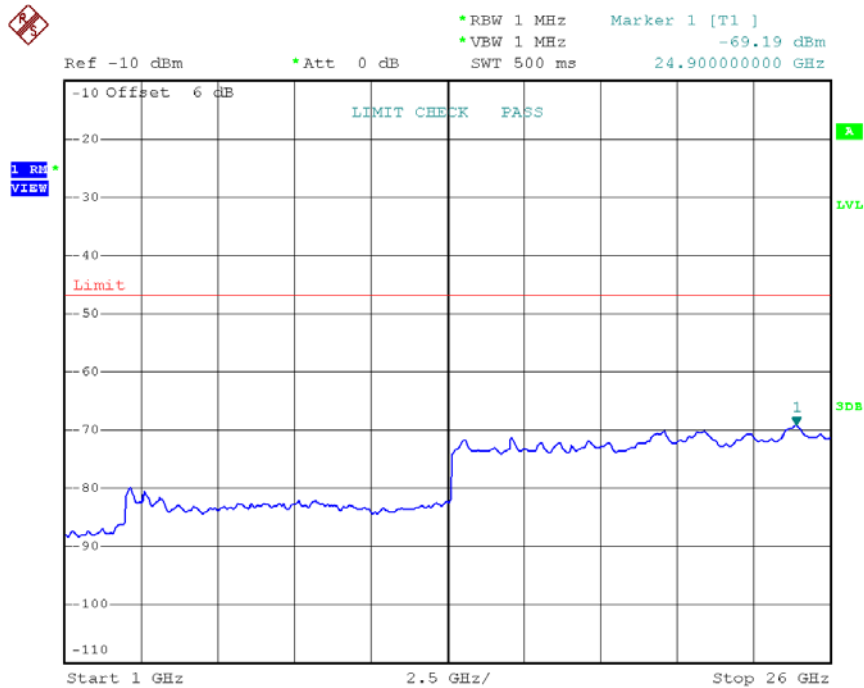


### 5500 MHz ( $f < 1\text{GHz}$ )



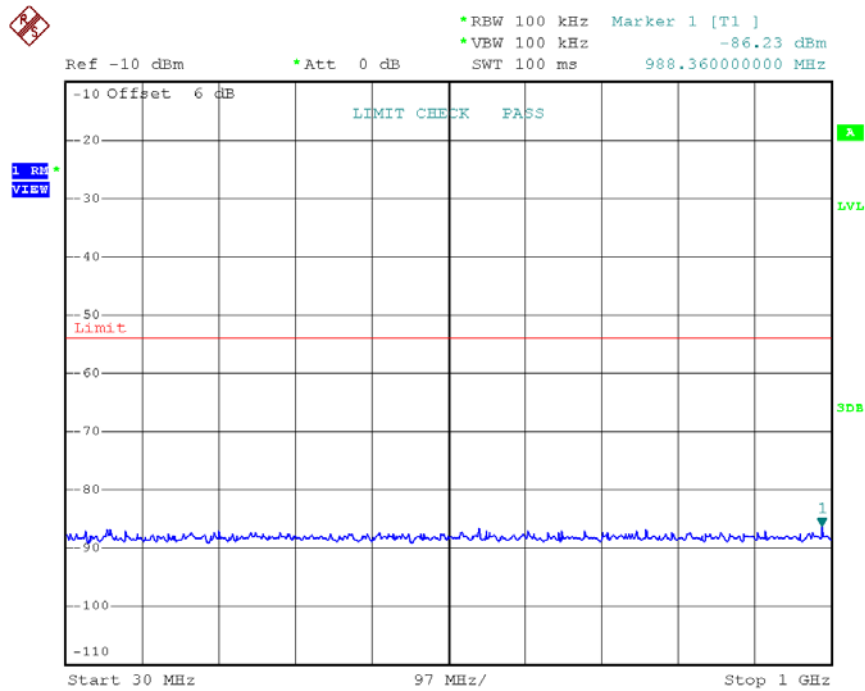
Date: 27.NOV.2018 19:39:35

### 5500 MHz ( $f \geq 1\text{GHz}$ )



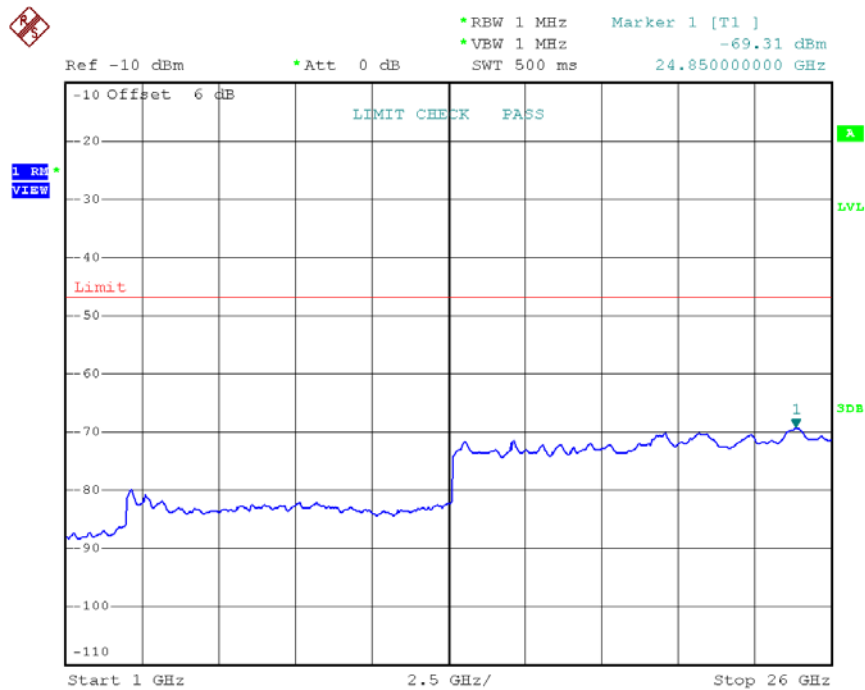
Date: 27.NOV.2018 19:39:45

### 5600 MHz ( $f < 1\text{GHz}$ )



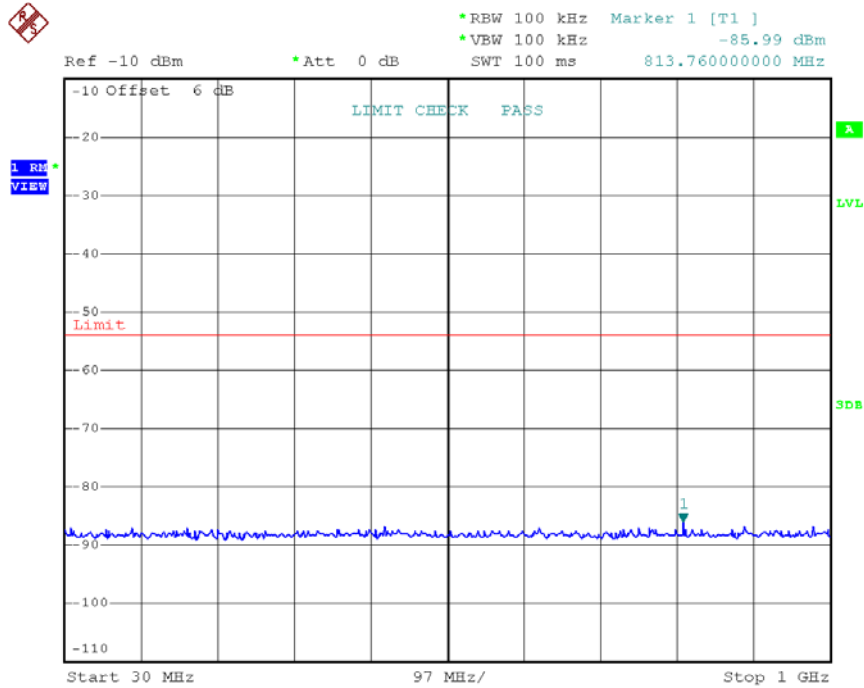
Date: 27.NOV.2018 19:39:57

### 5600 MHz ( $f \geq 1\text{GHz}$ )



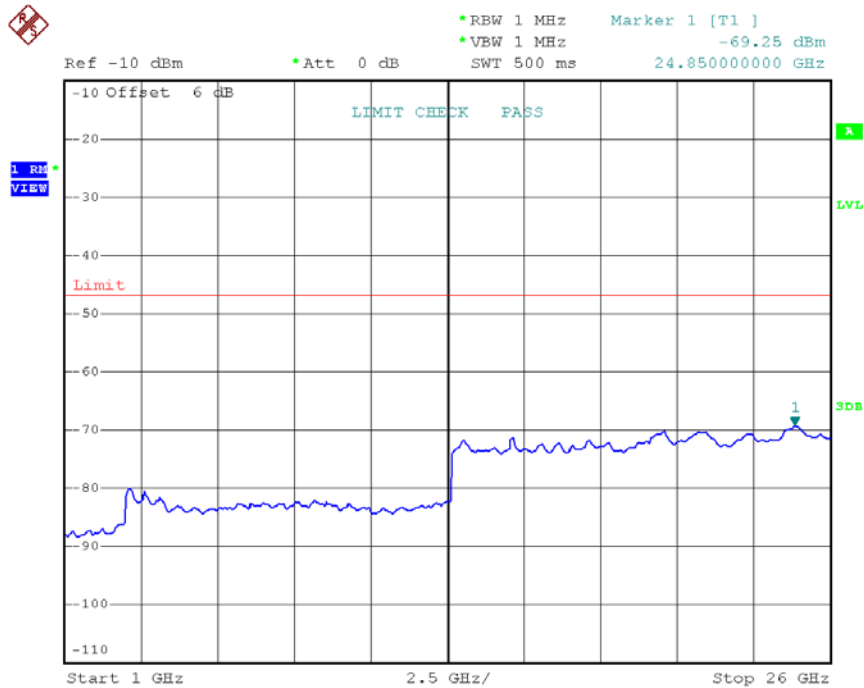
Date: 27.NOV.2018 19:40:07

### 5700 MHz ( $f < 1\text{GHz}$ )



Date: 27.NOV.2018 19:40:19

### 5700 MHz ( $f \geq 1\text{GHz}$ )

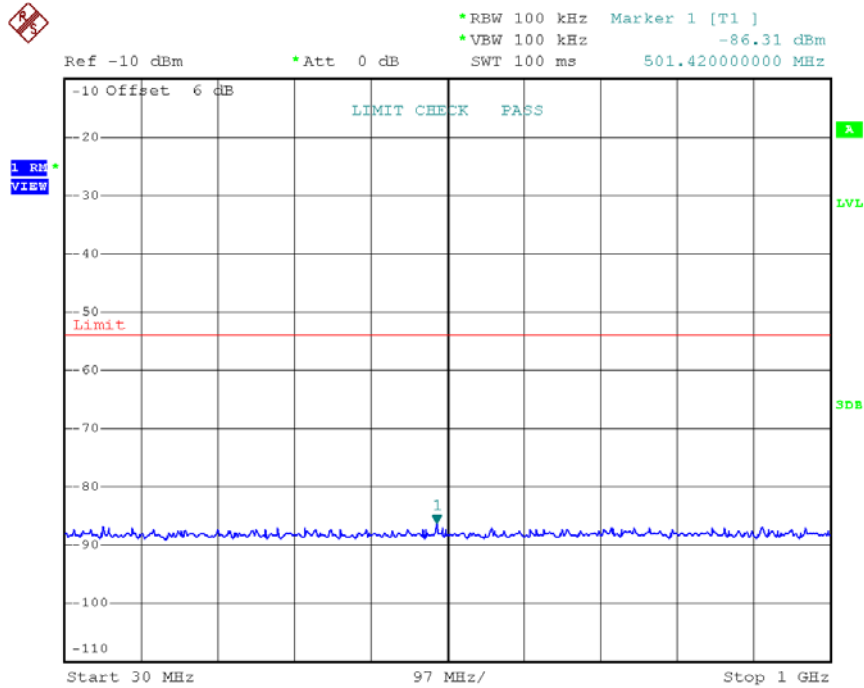


Date: 27.NOV.2018 19:40:29

Test Mode:	802.11n(HT20) - W56
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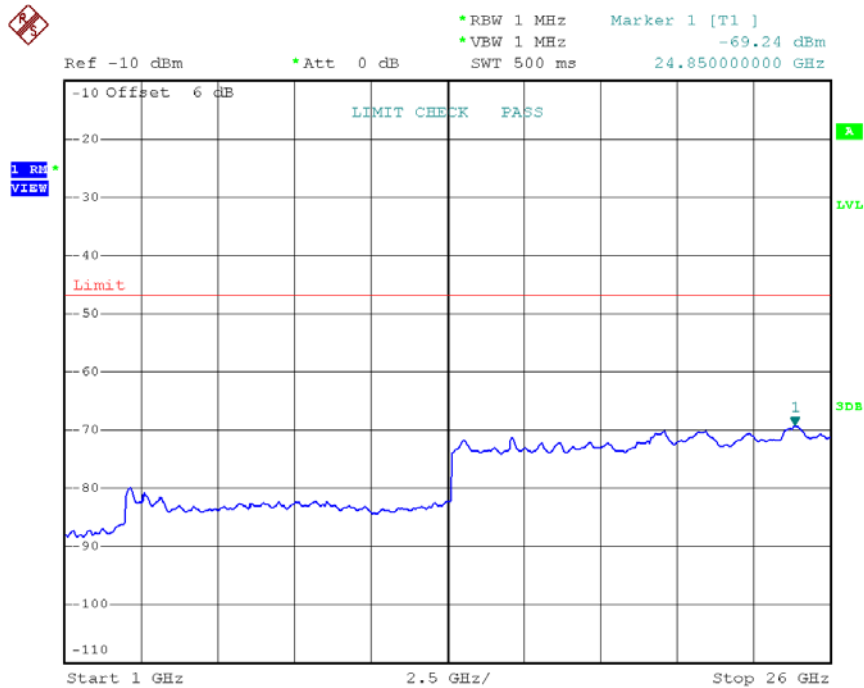
Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5500	5600	5700	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0023	0.0023	0.0023	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1191	0.1194	0.1227	nW	Limit $\leq$ 20 nW (-47 dBm)

### 5500 MHz ( $f < 1\text{GHz}$ )



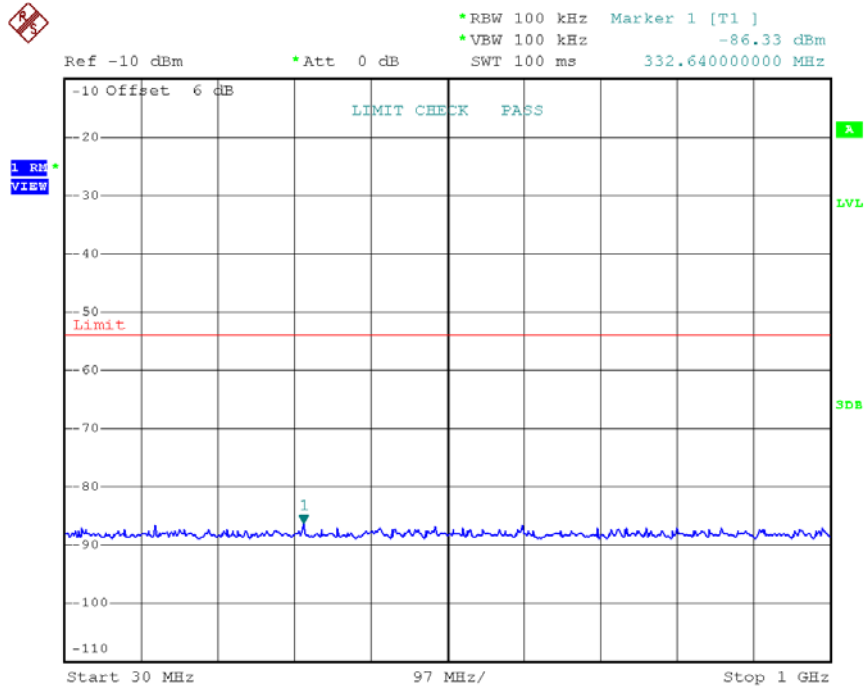
Date: 27.NOV.2018 20:01:47

### 5500 MHz ( $f \geq 1\text{GHz}$ )



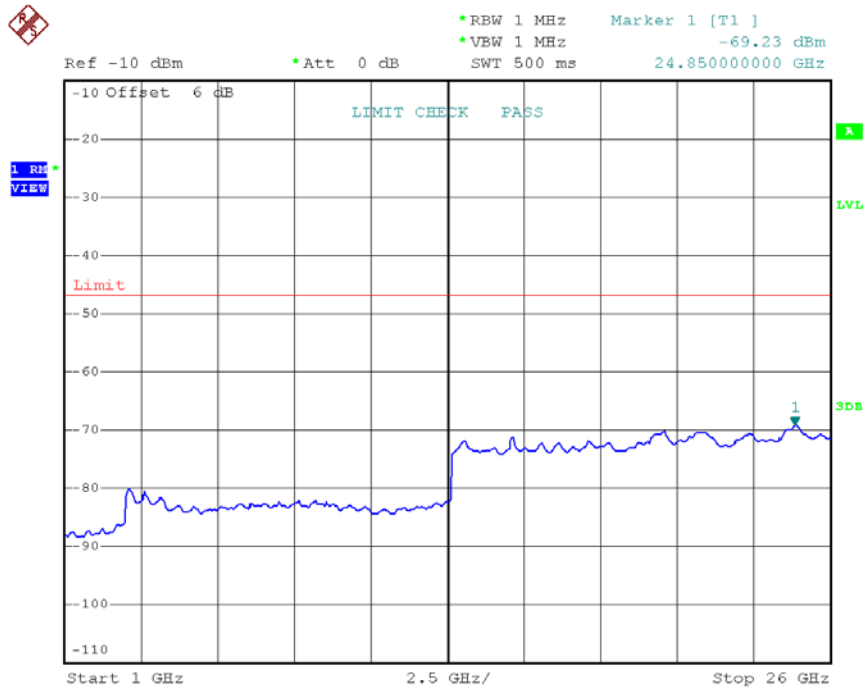
Date: 27.NOV.2018 20:01:57

### 5600 MHz ( $f < 1\text{GHz}$ )



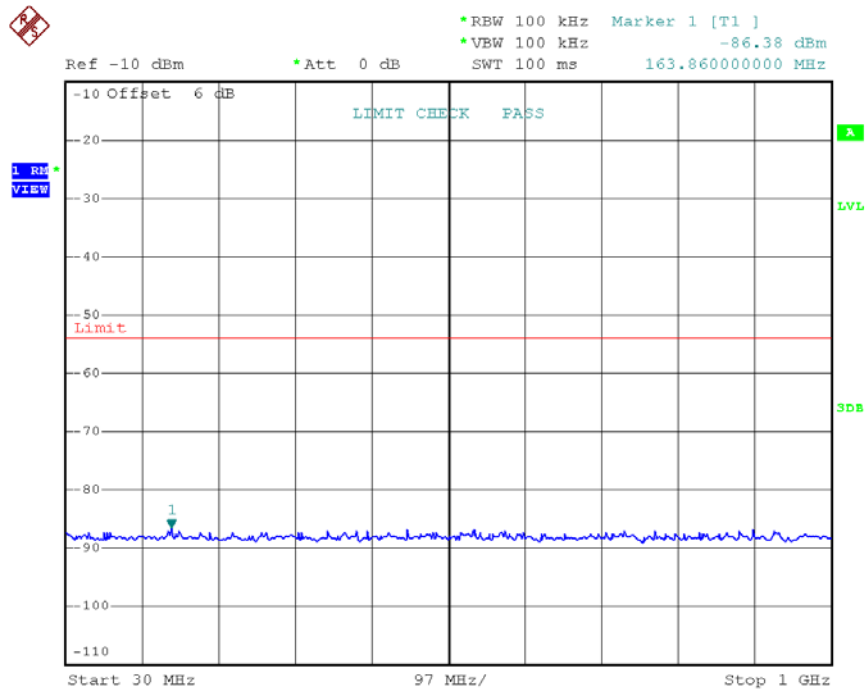
Date: 27.NOV.2018 20:02:11

### 5600 MHz ( $f \geq 1\text{GHz}$ )



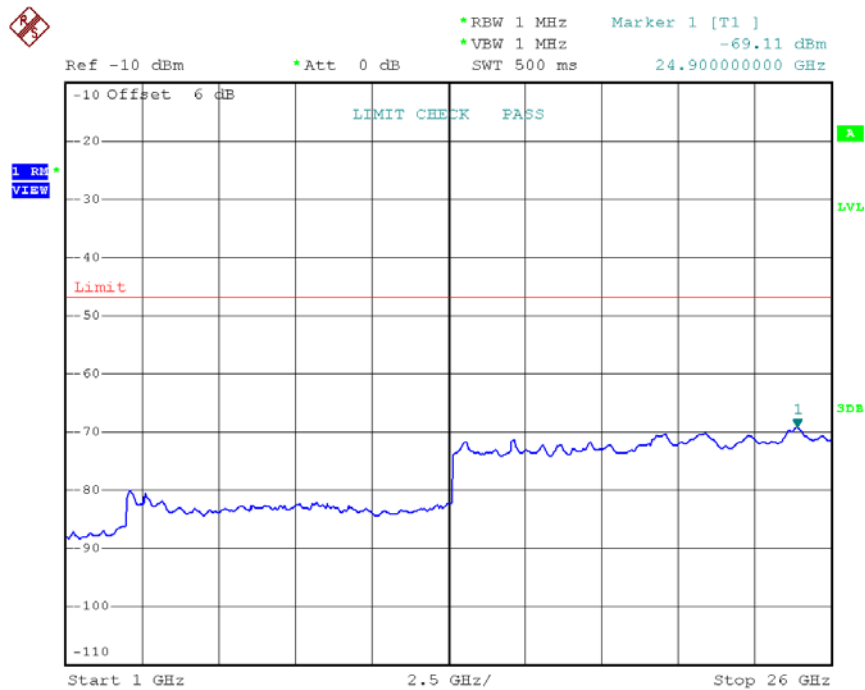
Date: 27.NOV.2018 20:02:21

### 5700 MHz ( $f < 1\text{GHz}$ )



Date: 27.NOV.2018 20:02:34

### 5700 MHz ( $f \geq 1\text{GHz}$ )



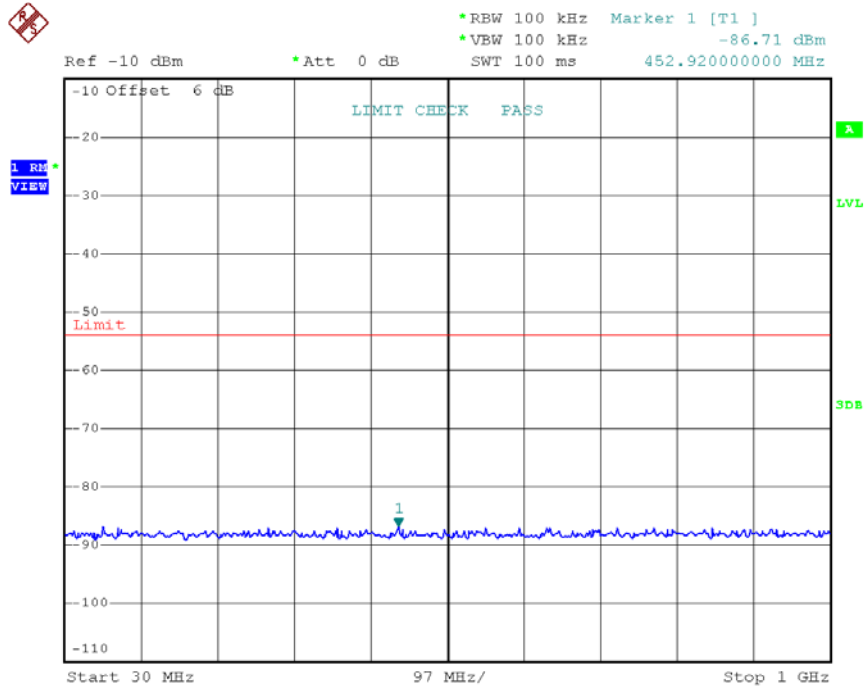
Date: 27.NOV.2018 20:02:44

Test Mode:	802.11n(HT40) - W56
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Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5510	5590	5670	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0021	0.0022	0.0023	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1222	0.1194	0.1222	nW	Limit $\leq$ 20 nW (-47 dBm)

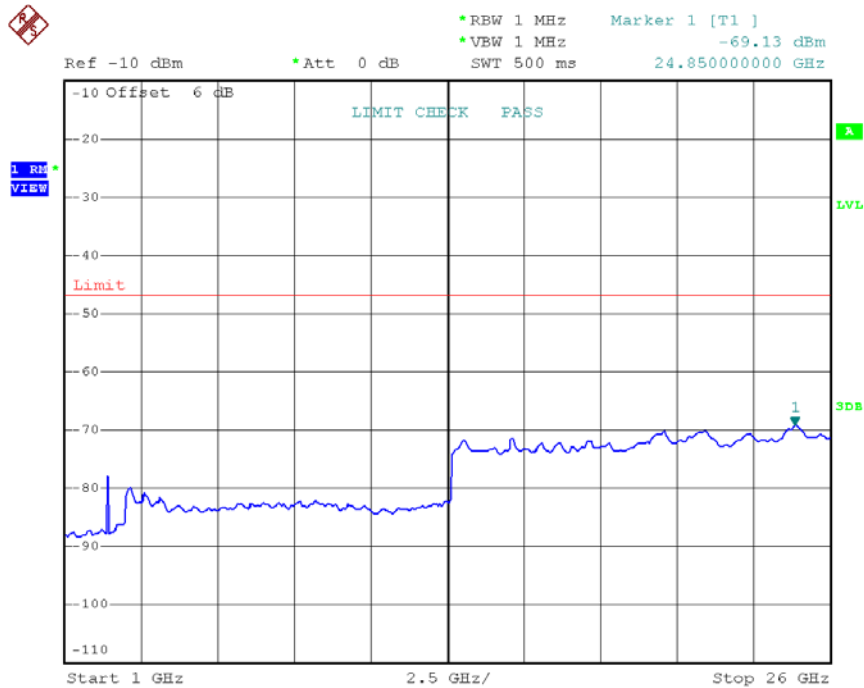


### 5510 MHz ( $f < 1\text{GHz}$ )



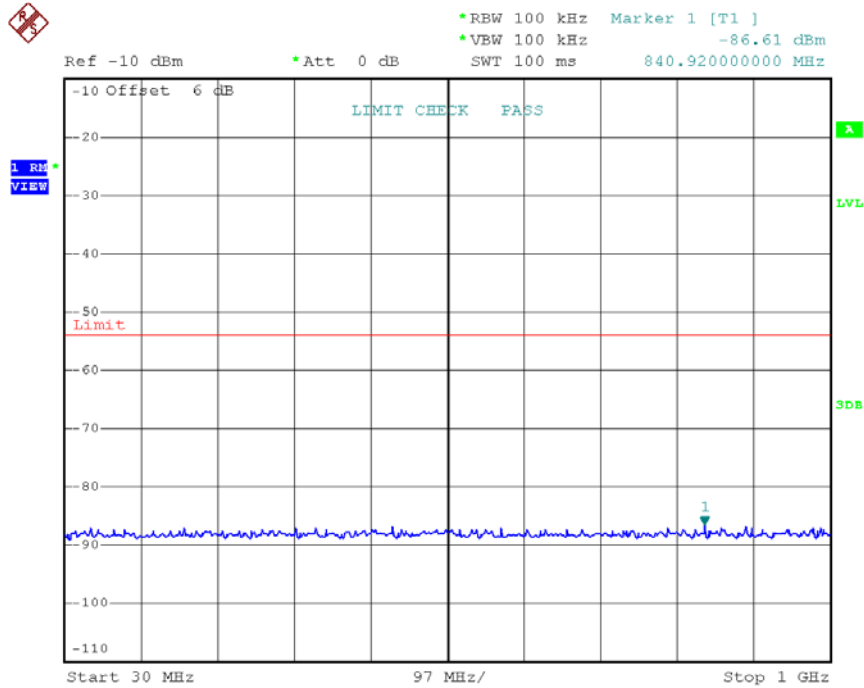
Date: 30.NOV.2018 09:31:17

### 5510 MHz ( $f \geq 1\text{GHz}$ )



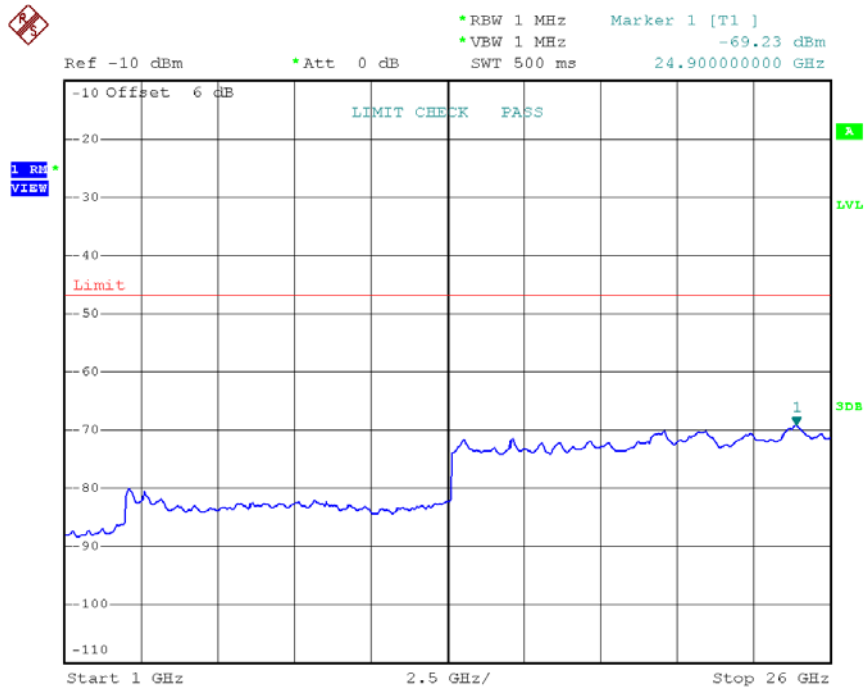
Date: 30.NOV.2018 09:31:28

### 5590 MHz ( $f < 1\text{GHz}$ )



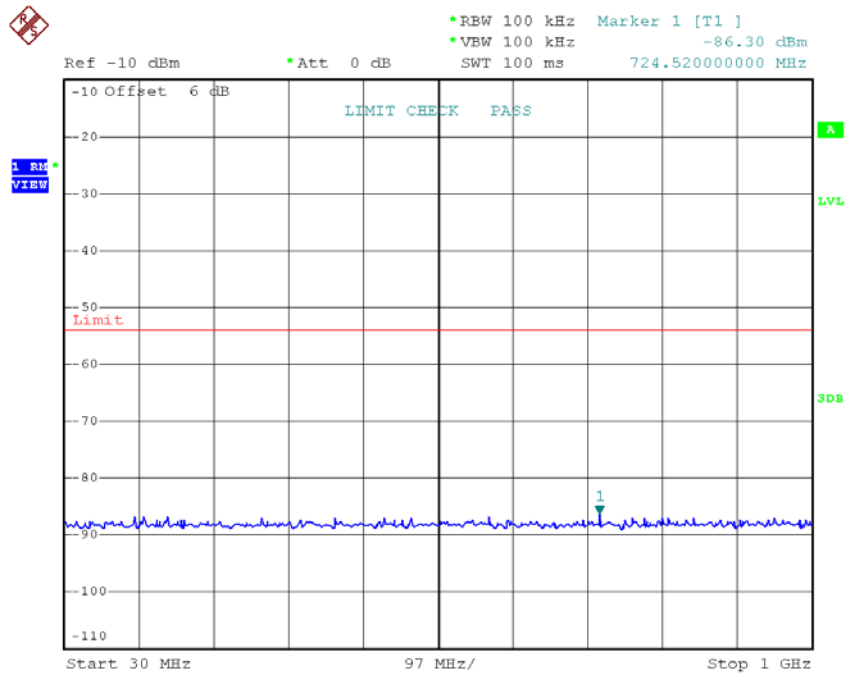
Date: 30.NOV.2018 09:31:41

### 5590 MHz ( $f \geq 1\text{GHz}$ )



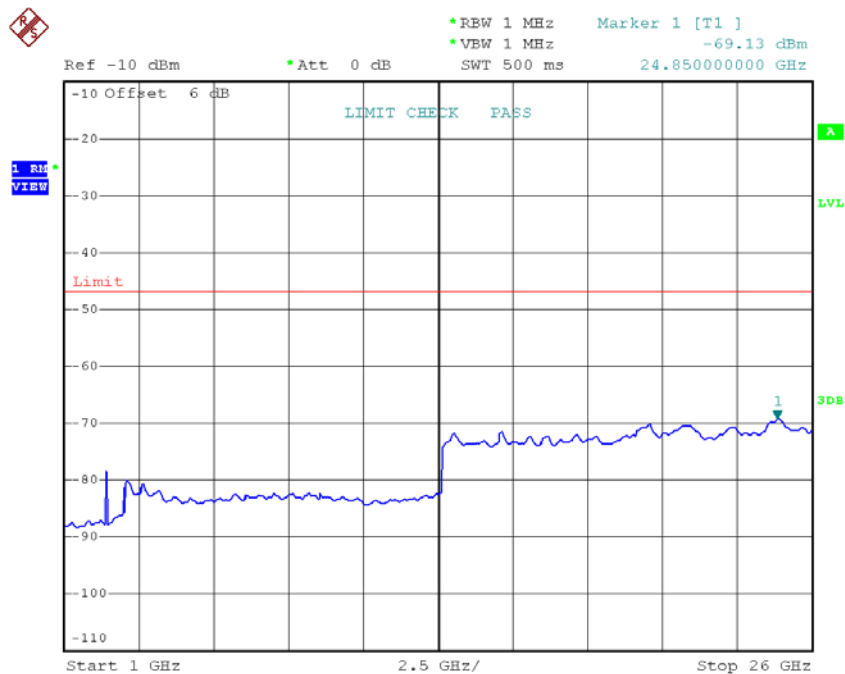
Date: 30.NOV.2018 09:31:52

### 5670 MHz ( $f < 1\text{GHz}$ )



Date: 30.NOV.2018 09:32:04

### 5670 MHz ( $f \geq 1\text{GHz}$ )

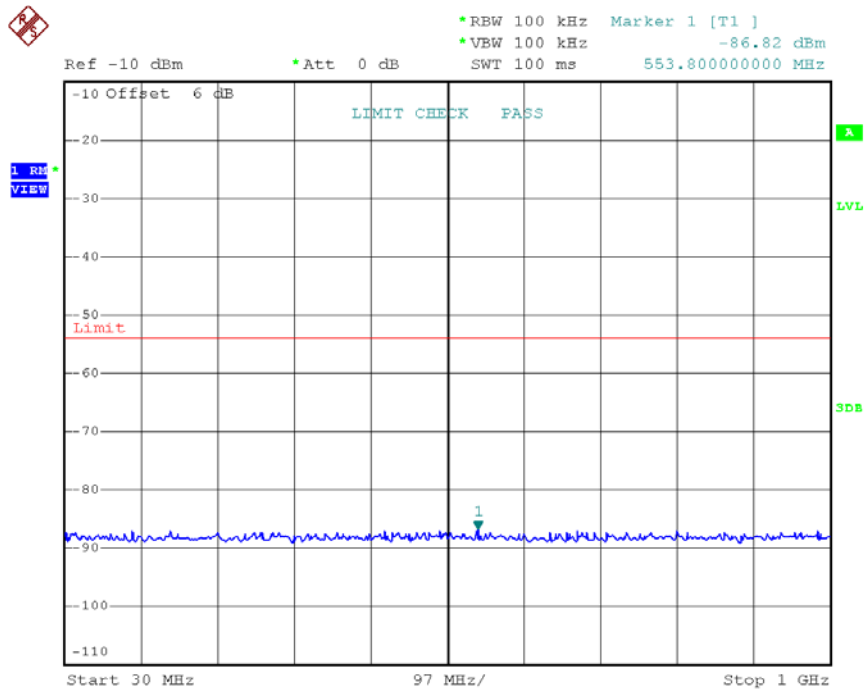


Date: 30.NOV.2018 09:32:13

Test Mode:	802.11ac(VHT20) - W56
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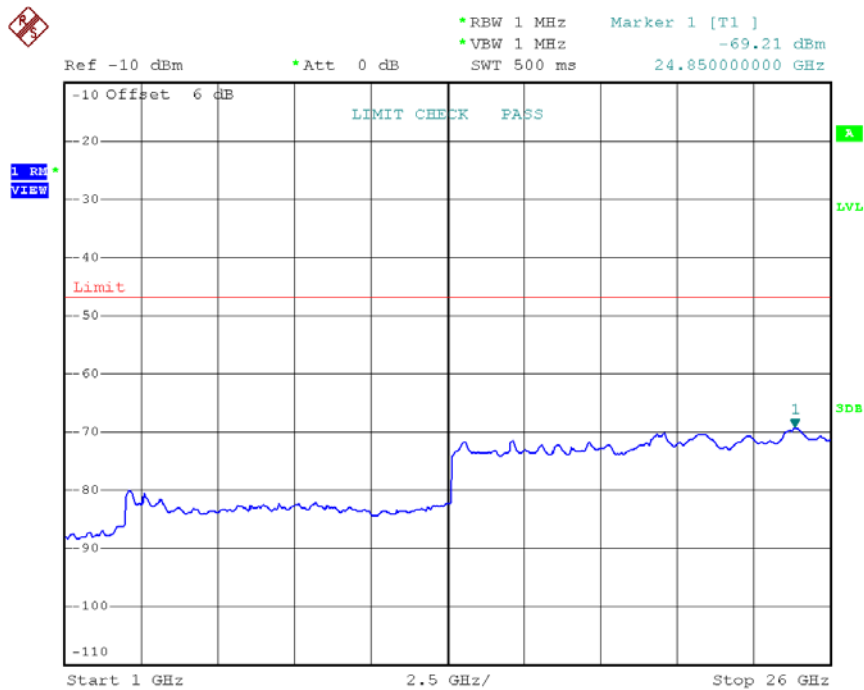
Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5500	5600	5700	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0021	0.0024	0.0024	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1199	0.1199	0.1172	nW	Limit $\leq$ 20 nW (-47 dBm)

### 5500 MHz ( $f < 1\text{GHz}$ )



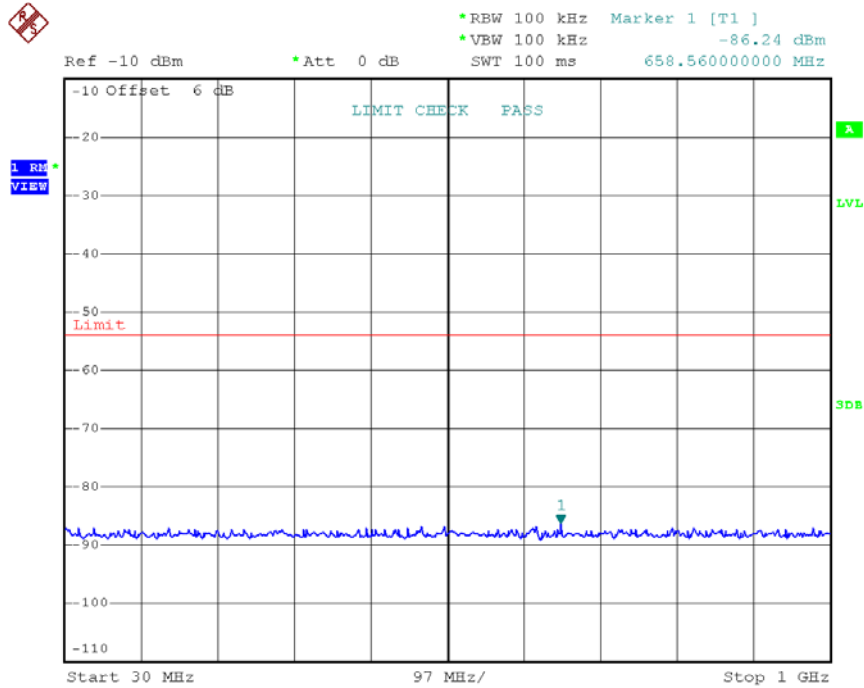
Date: 27.NOV.2018 19:57:49

### 5500 MHz ( $f \geq 1\text{GHz}$ )



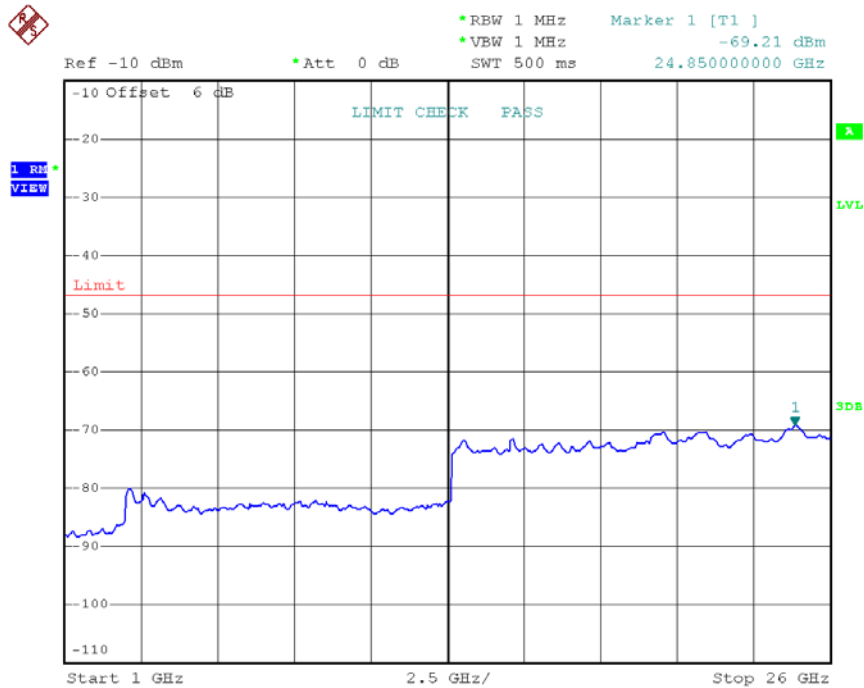
Date: 27.NOV.2018 19:58:00

### 5600 MHz ( $f < 1\text{GHz}$ )



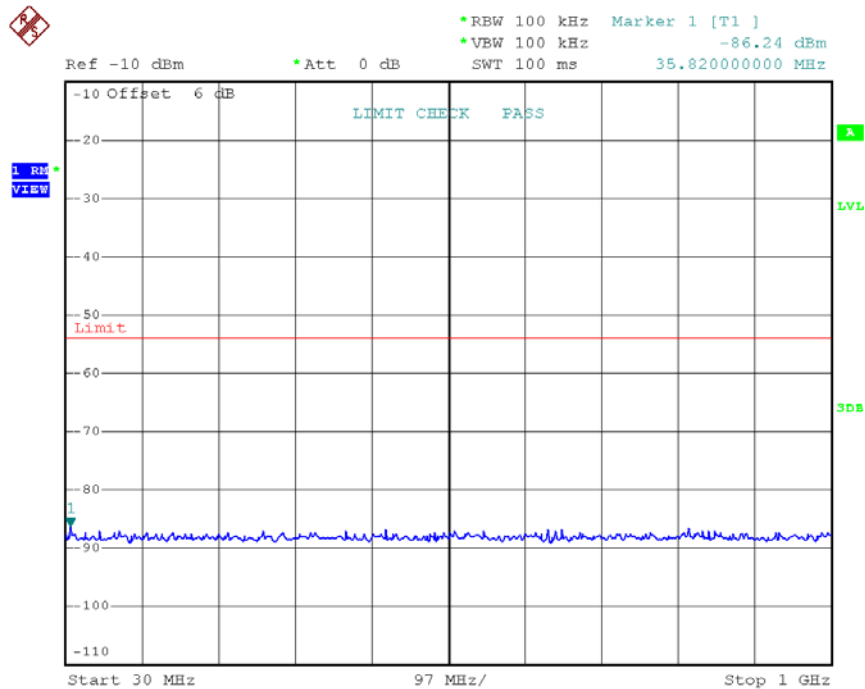
Date: 27.NOV.2018 19:58:12

### 5600 MHz ( $f \geq 1\text{GHz}$ )



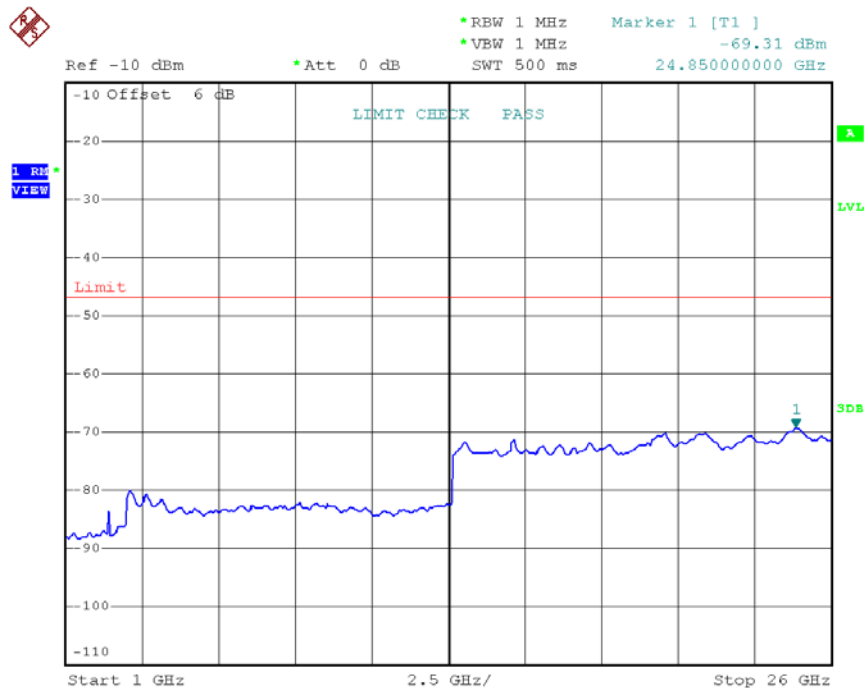
Date: 27.NOV.2018 19:58:22

### 5700 MHz ( $f < 1\text{GHz}$ )



Date: 27.NOV.2018 19:58:36

### 5700 MHz ( $f \geq 1\text{GHz}$ )



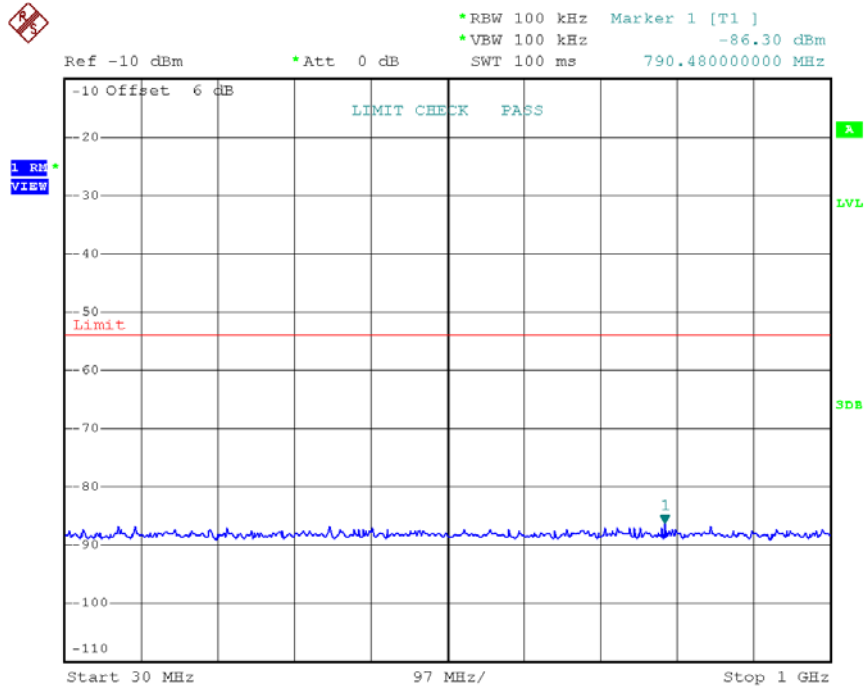
Date: 27.NOV.2018 19:58:46

Test Mode:	802.11ac(VHT40) - W56
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Test Voltage	V	Normal Voltage				Remarks
Test Frequency	MHz	5510	5590	5670	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0023	0.0021	0.0021	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1202	0.1236	0.1213	nW	Limit $\leq$ 20 nW (-47 dBm)

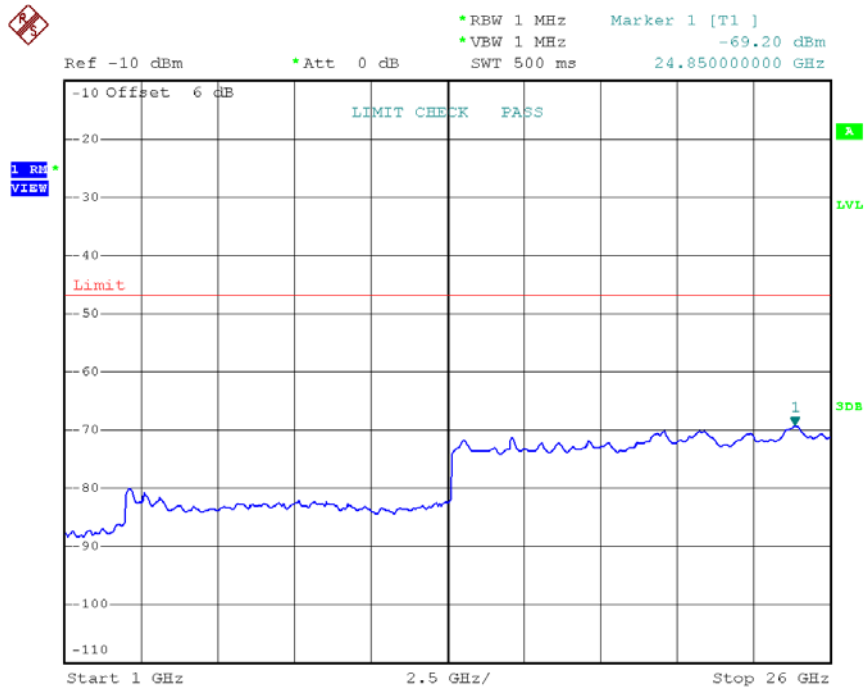


### 5510 MHz ( $f < 1\text{GHz}$ )



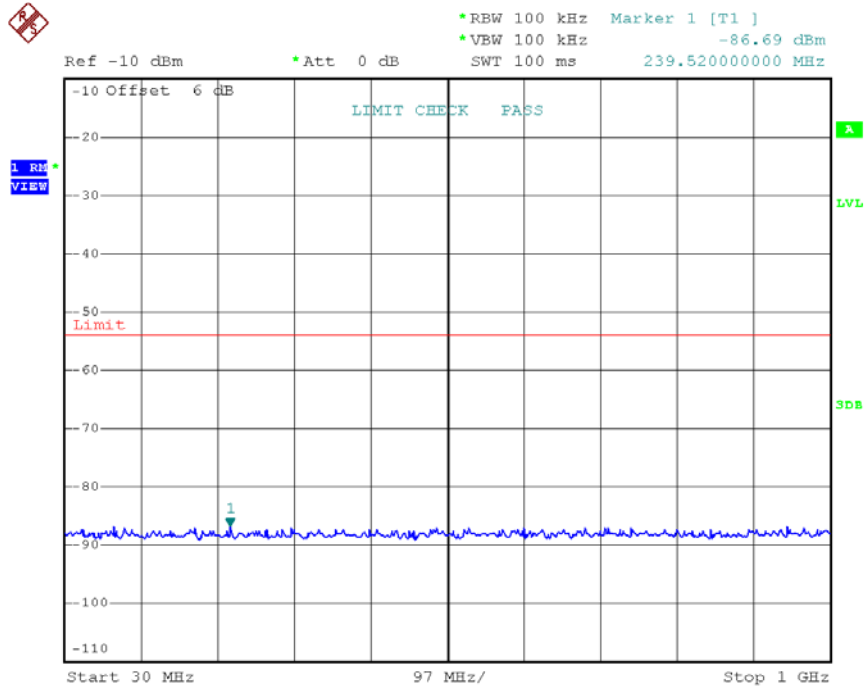
Date: 30.NOV.2018 10:15:07

### 5510 MHz ( $f \geq 1\text{GHz}$ )



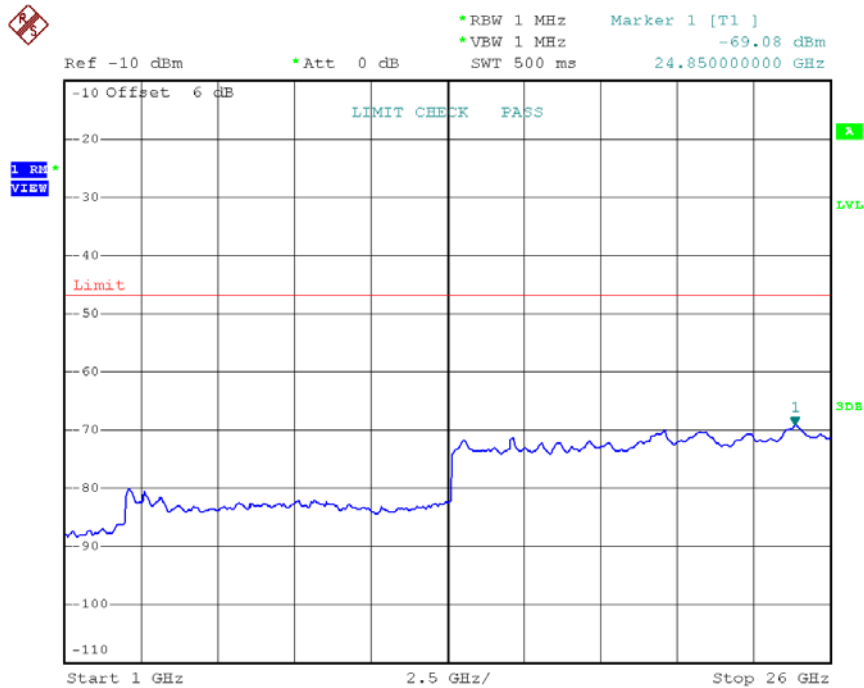
Date: 30.NOV.2018 10:15:18

### 5590 MHz ( $f < 1\text{GHz}$ )



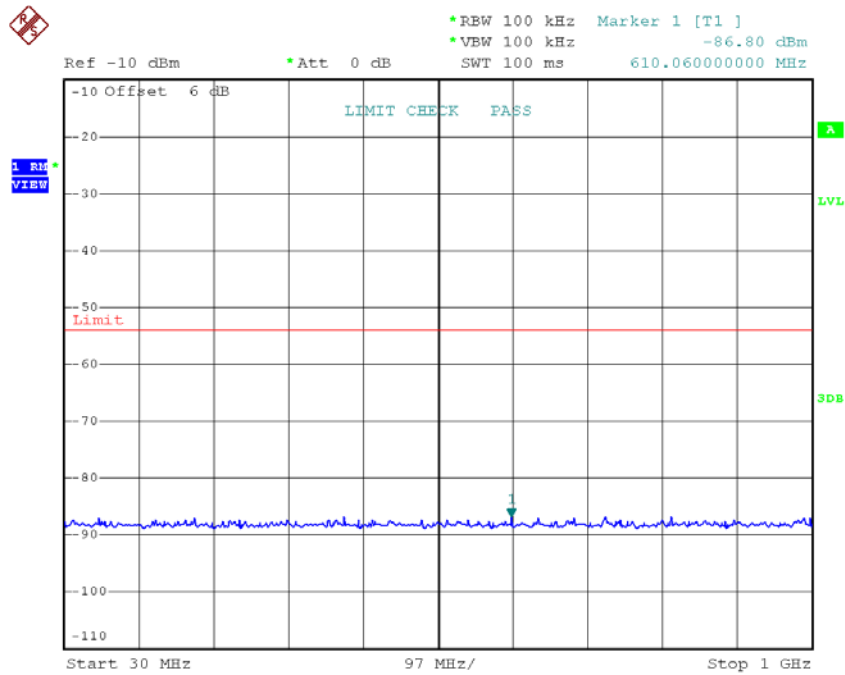
Date: 30.NOV.2018 10:15:43

### 5590 MHz ( $f \geq 1\text{GHz}$ )



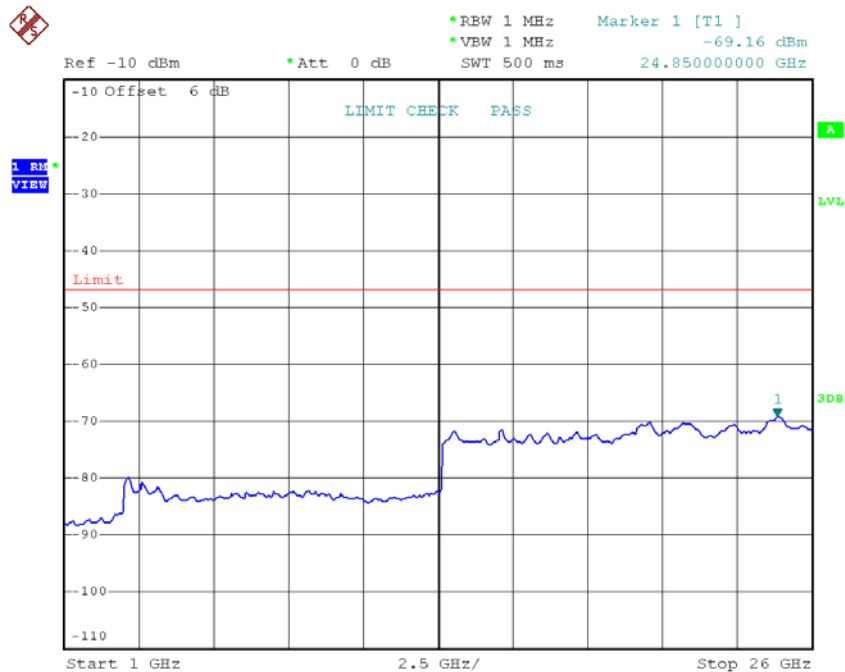
Date: 30.NOV.2018 10:15:55

### 5670 MHz ( $f < 1\text{GHz}$ )



Date: 30.NOV.2018 10:16:35

### 5670 MHz ( $f \geq 1\text{GHz}$ )

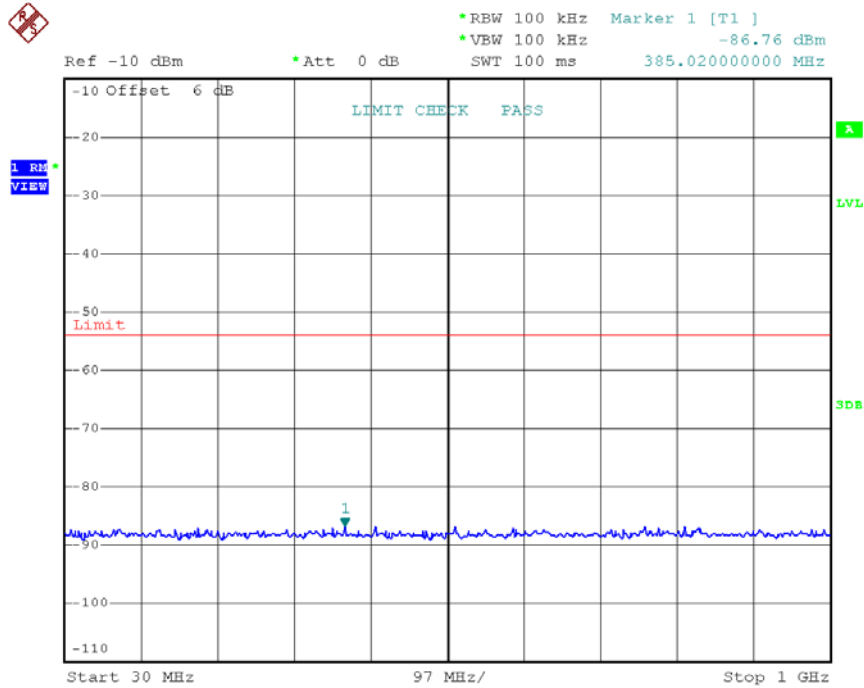


Date: 30.NOV.2018 10:16:46

Test Mode:	802.11ac(VHT80) - W56
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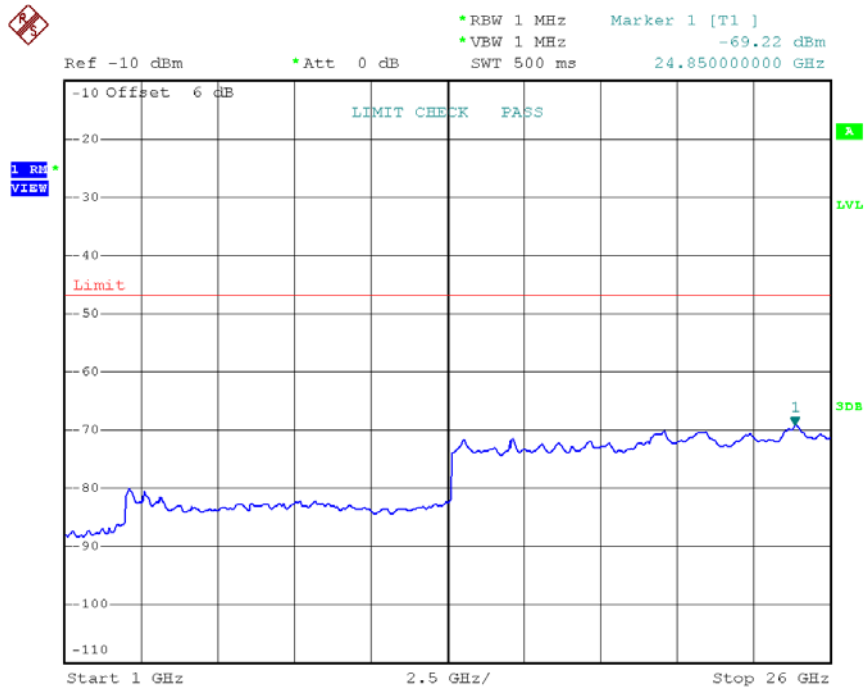
Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5530	5610	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0021	0.0023	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1197	0.1169	nW	Limit $\leq$ 20 nW (-47 dBm)

### 5530 MHz ( $f < 1\text{GHz}$ )



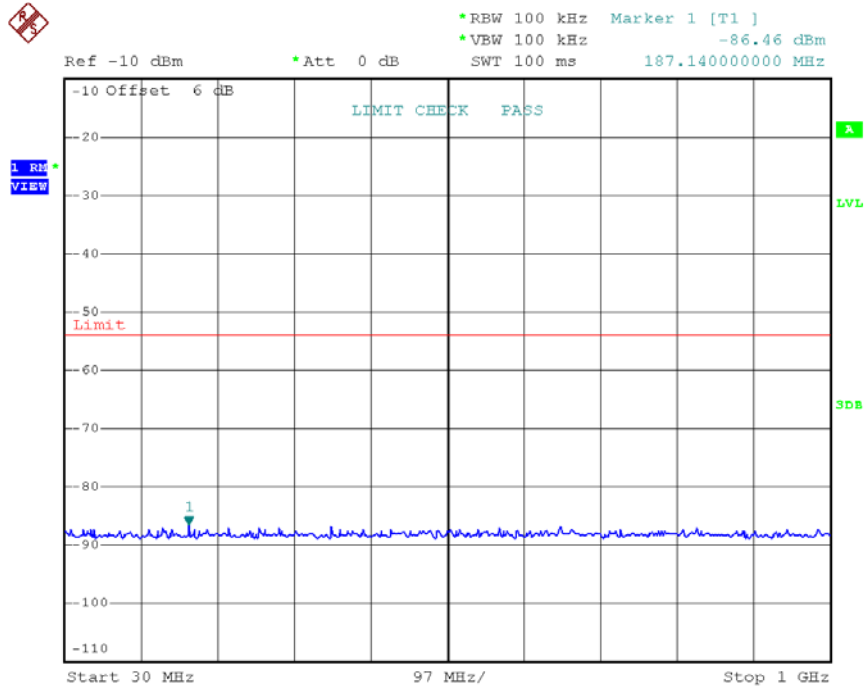
Date: 30.NOV.2018 10:35:55

### 5530 MHz ( $f \geq 1\text{GHz}$ )



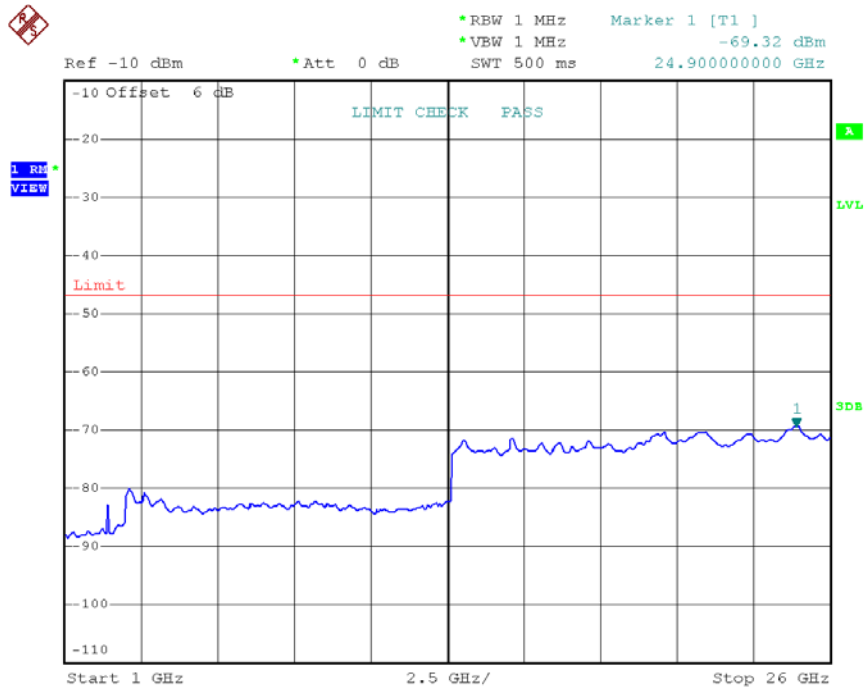
Date: 30.NOV.2018 10:36:06

### 5610 MHz ( $f < 1\text{GHz}$ )



Date: 30.NOV.2018 10:36:22

### 5610 MHz ( $f \geq 1\text{GHz}$ )

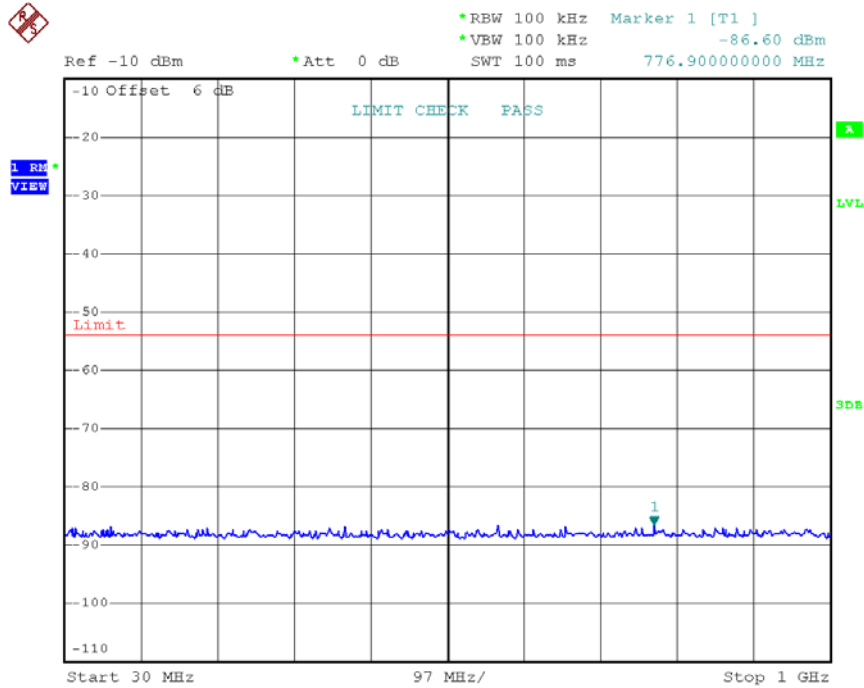


Date: 30.NOV.2018 10:36:33

Test Mode:	802.11ac(VHT160) - W52
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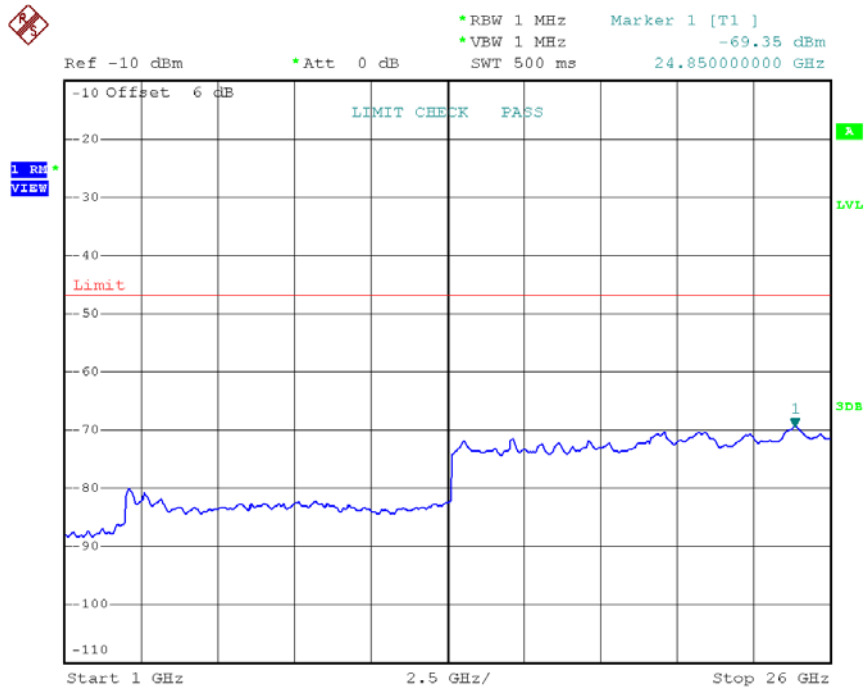
Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5570	-	-	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	< 1GHz	0.0022	-	nW	Limit $\leq$ 4 nW (-54 dBm)
	$\geq$ 1GHz	0.1161	-	nW	Limit $\leq$ 20 nW (-47 dBm)

### 5570 MHz ( $f < 1\text{GHz}$ )



Date: 30.NOV.2018 12:51:39

### 5570 MHz ( $f \geq 1\text{GHz}$ )



Date: 30.NOV.2018 12:51:50



## APPENDIX G - TRANSMISSION BURST LENGTH

Test Mode:	802.11a - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5180	5200	5240	Low/Mid/High of test frequency range
Transmission Burst Length	ms	2.05	2.05	2.05	Limit $\leq$ 4ms

Test Mode:	802.11n(HT20) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5180	5200	5240	Low/Mid/High of test frequency range
Transmission Burst Length	ms	1.91	1.91	1.91	Limit $\leq$ 4ms

Test Mode:	802.11n(HT40) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5190	5230	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.93	0.93	-	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT20) - W52
------------	-----------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5180	5200	5240	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.98	0.98	0.98	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT40) - W52
------------	-----------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5190	5230	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.47	0.47	-	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT80) - W52
------------	-----------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5210	-	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.23	-	-	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT160) - W52
------------	------------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5250	-	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.15	-	-	Limit $\leq$ 4ms

Test Mode:	802.11a - W53
------------	---------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5260	5300	5320	Low/Mid/High of test frequency range
Transmission Burst Length	ms	2.05	2.05	2.05	Limit $\leq$ 4ms

Test Mode:	802.11n(HT20) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5260	5300	5320	Low/Mid/High of test frequency range
Transmission Burst Length	ms	1.91	1.91	1.91	Limit $\leq$ 4ms

Test Mode:	802.11n(HT40) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5270	5310	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.93	0.93	-	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT20) - W53
------------	-----------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5260	5300	5320	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.98	0.98	0.98	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT40) - W53
------------	-----------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5270	5310	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.47	0.47	-	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT80) - W53
------------	-----------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5290	-	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.23	-	-	Limit $\leq$ 4ms

Test Mode:	802.11a - W56
------------	---------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5500	5600	5700	Low/Mid/High of test frequency range
Transmission Burst Length	ms	2.05	2.05	2.05	Limit $\leq$ 4ms

Test Mode:	802.11n(HT20) - W56
------------	---------------------

Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5500	5600	5700	Low/Mid/High of test frequency range
Transmission Burst Length	ms	1.91	1.91	1.91	Limit $\leq$ 4ms

Test Mode:	802.11n(HT40) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5510	5590	5670	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.93	0.93	0.93	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT20) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5500	5600	5700	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.98	0.98	0.98	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT40) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5510	5590	5670	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.47	0.47	0.47	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT80) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5530	5610	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.23	0.23	-	Limit $\leq$ 4ms

Test Mode:	802.11ac(VHT160) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5570	-	-	Low/Mid/High of test frequency range
Transmission Burst Length	ms	0.15	-	-	Limit $\leq$ 4ms

## APPENDIX H - CARRIER SENSE CAPABILITY



Test Mode:	802.11a - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5180	5200	5240	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11n(HT20) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5180	5200	5240	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11n(HT40) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5190	5230	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	-	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11ac(VHT20) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5180	5200	5240	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT40) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5190	5230	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	-	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT80) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5210	-	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	-	-	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT160) - W52
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5250	-	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	-	-	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11a - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5260	5300	5320	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11n(HT20) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5260	5300	5320	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11n(HT40) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5270	5310	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	-	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT20) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5260	5300	5320	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11ac(VHT40) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5270	5310	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	-	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11ac(VHT80) - W53
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5290	-	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	-	-	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11a - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5500	5600	5700	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11n(HT20) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5500	5600	5700	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11n(HT40) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5510	5590	5670	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	$\text{Pin} = 22.79 + \text{Gr} - 20 \cdot \log(\text{freq\_MHz})$ [dBm]

Test Mode:	802.11ac(VHT20) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5500	5600	5700	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT40) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5510	5590	5670	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	OK	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT80) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5530	5610	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	OK	-	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

Test Mode:	802.11ac(VHT160) - W56
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Test Voltage	V	Normal Voltage			Remarks
Test Frequency	MHz	5570	-	-	Low/Mid/High of test level
Carrier Sense (100mV/m)	OK / NG	OK	-	-	Pin = 22.79+Gr-20*log(freq_MHz) [dBm]

**End of Test Report**