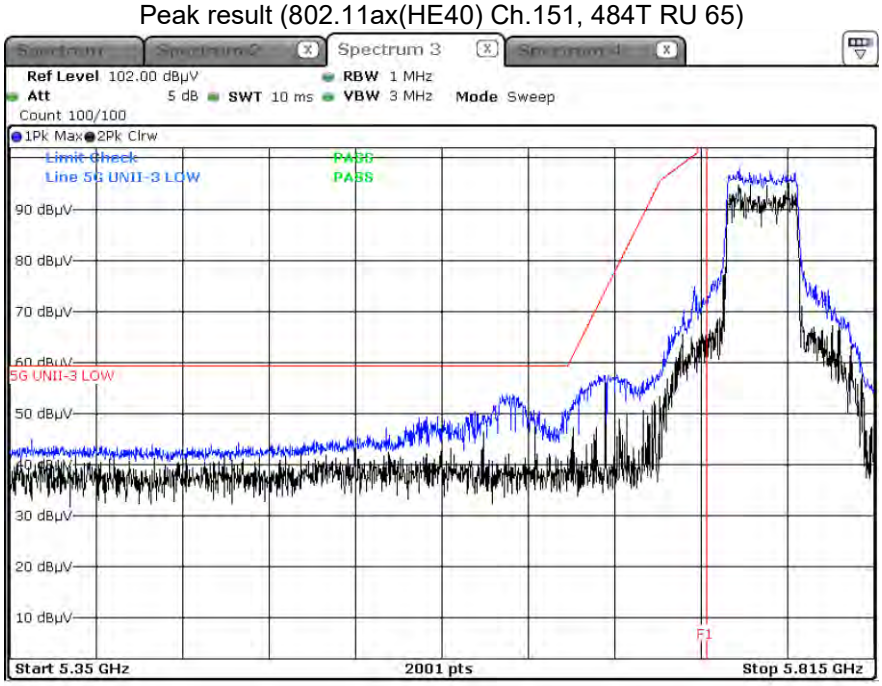
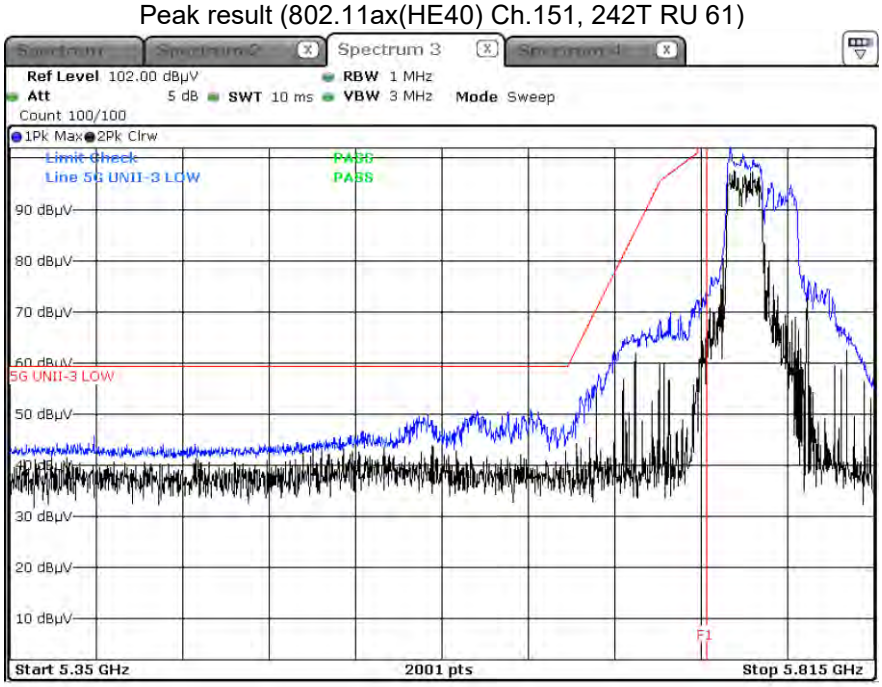
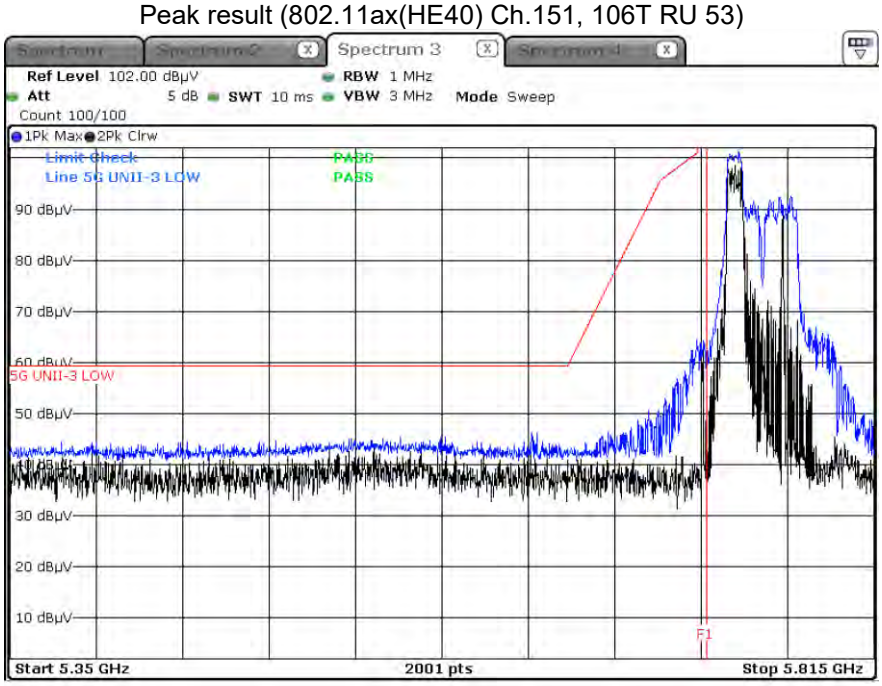
Peak result (802.11ax(HE40) Ch.151, 484T RU 65)



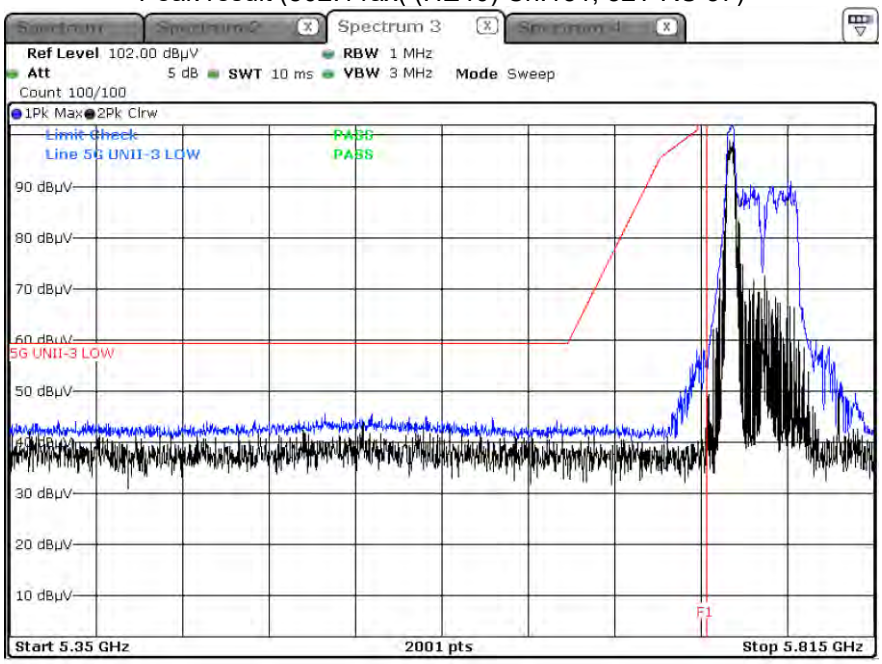
Peak result (802.11ax(HE40) Ch.151, 242T RU 61)



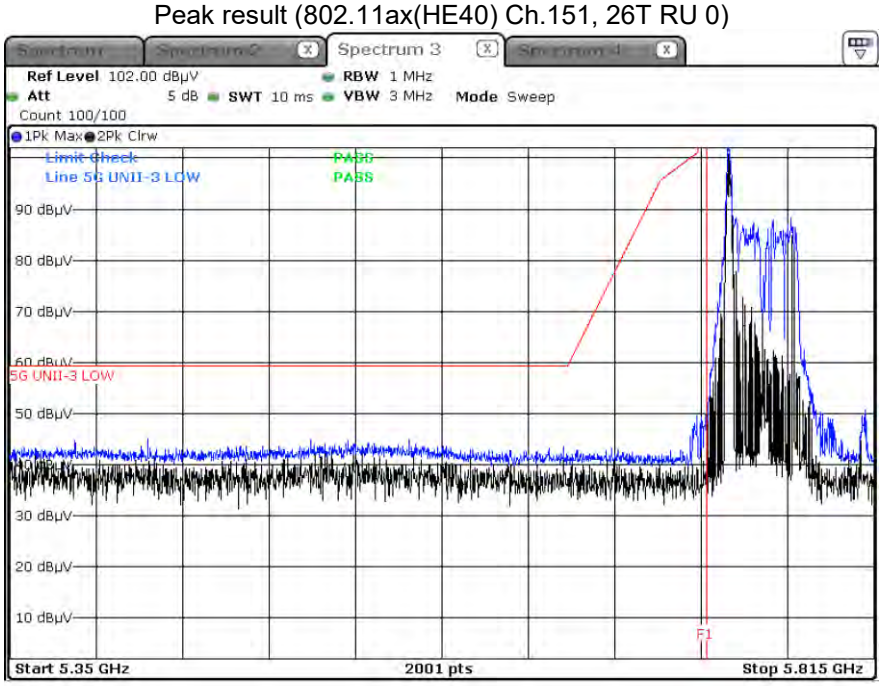
Peak result (802.11ax(HE40) Ch.151, 106T RU 53)



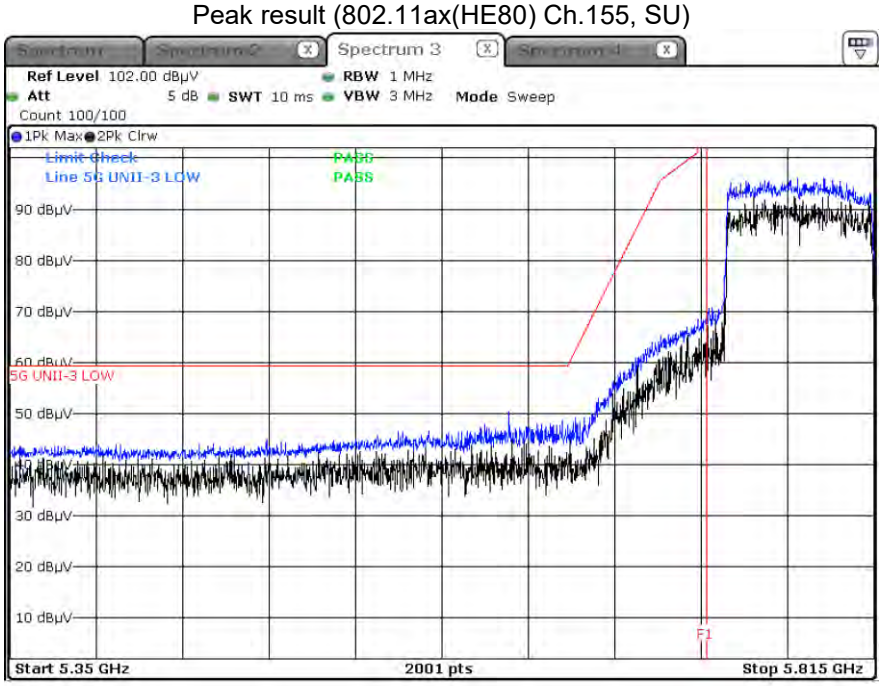
Peak result (802.11ax((HE40) Ch.151, 52T RU 37)



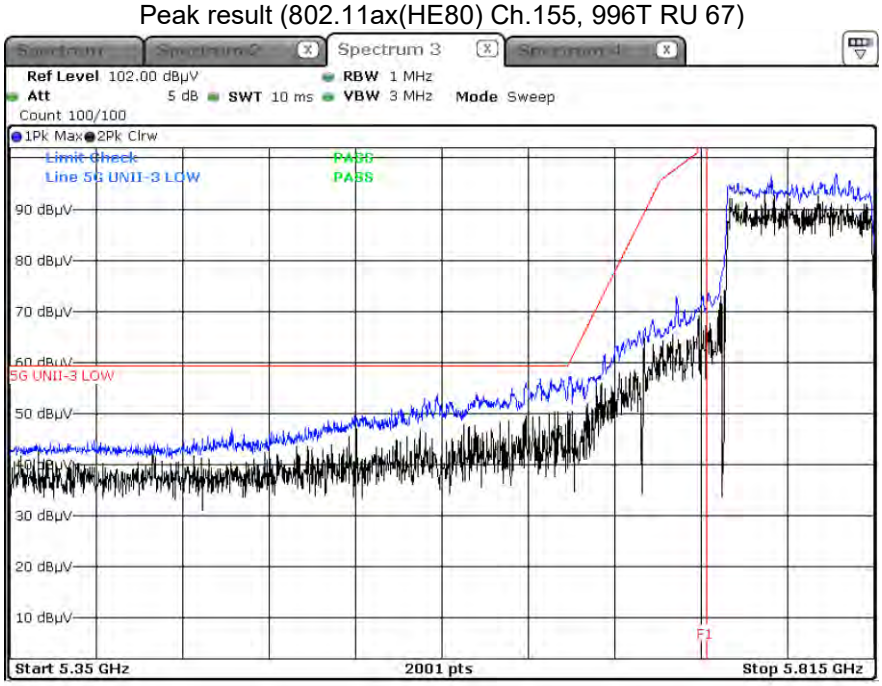
Peak result (802.11ax(HE40) Ch.151, 26T RU 0)



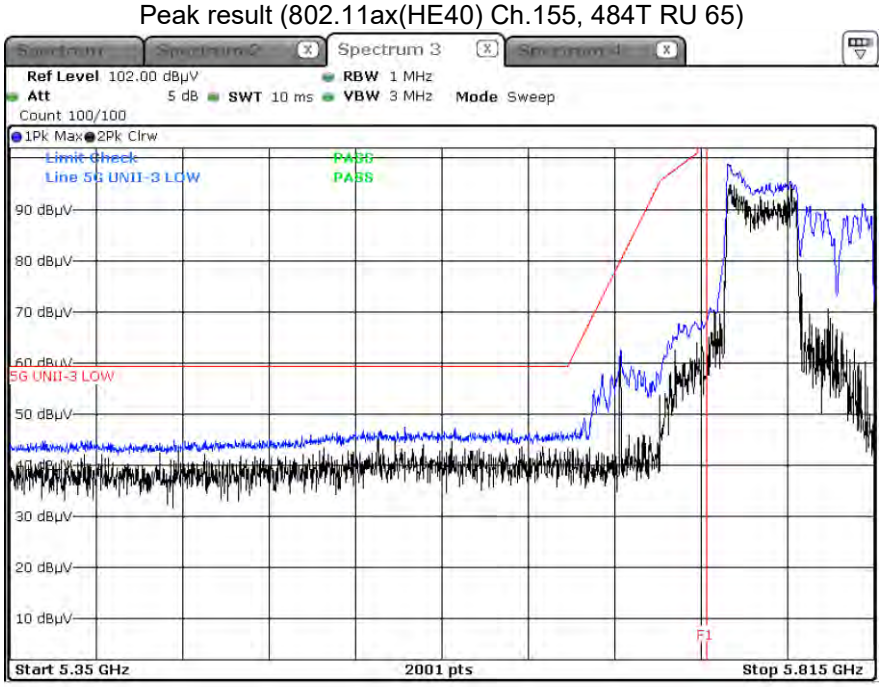
Peak result (802.11ax(HE80) Ch.155, SU)



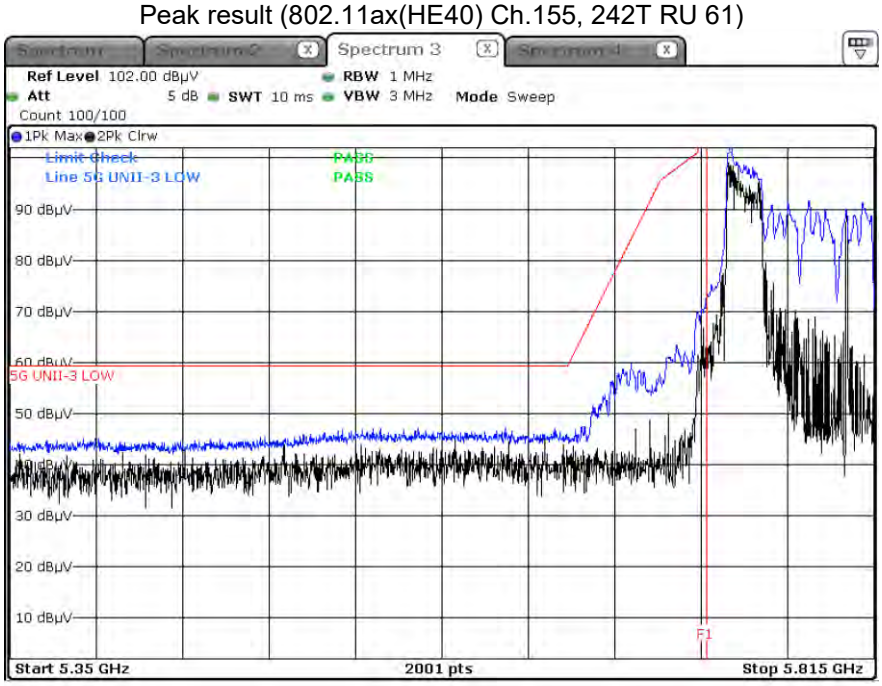
Peak result (802.11ax(HE80) Ch.155, 996T RU 67)



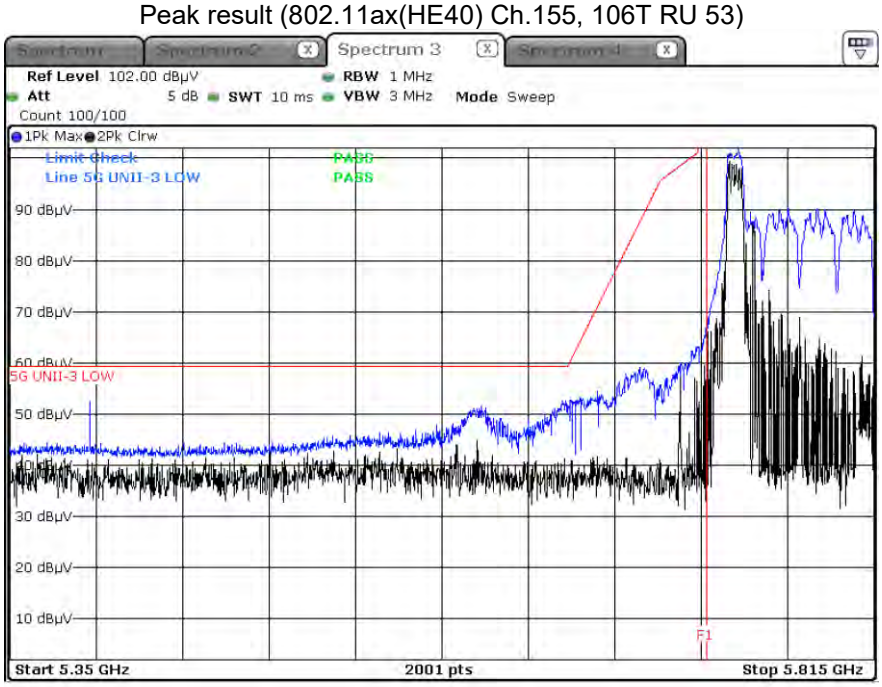
Peak result (802.11ax(HE40) Ch.155, 484T RU 65)



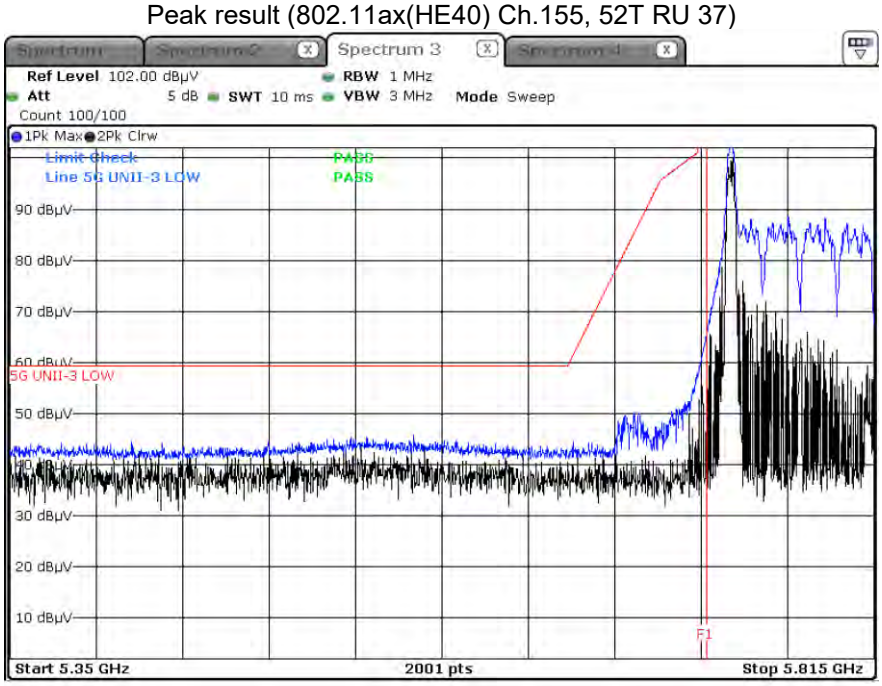
Peak result (802.11ax(HE40) Ch.155, 242T RU 61)



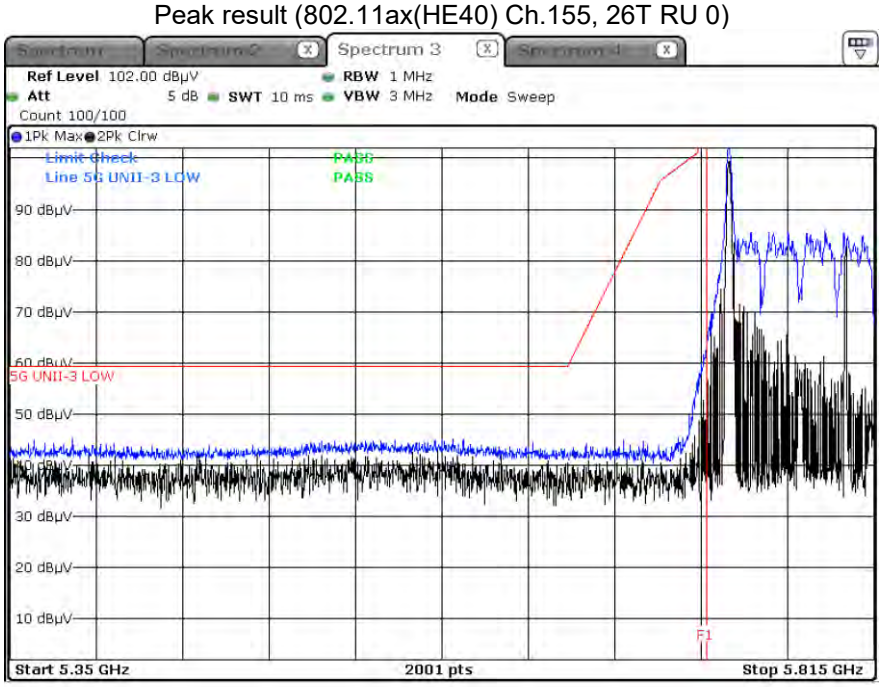
Peak result (802.11ax(HE40) Ch.155, 106T RU 53)



Peak result (802.11ax(HE40) Ch.155, 52T RU 37)



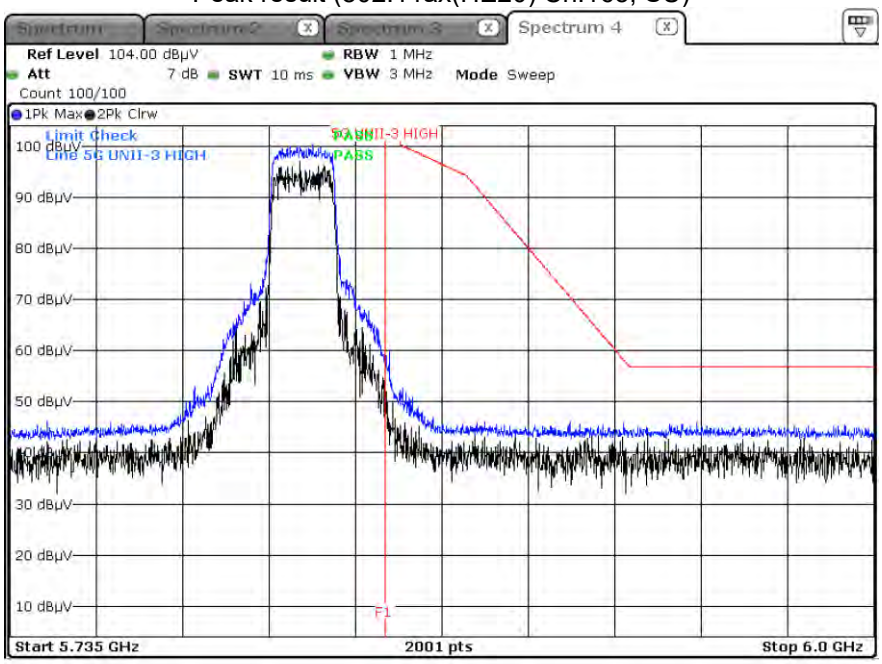
Peak result (802.11ax(HE40) Ch.155, 26T RU 0)



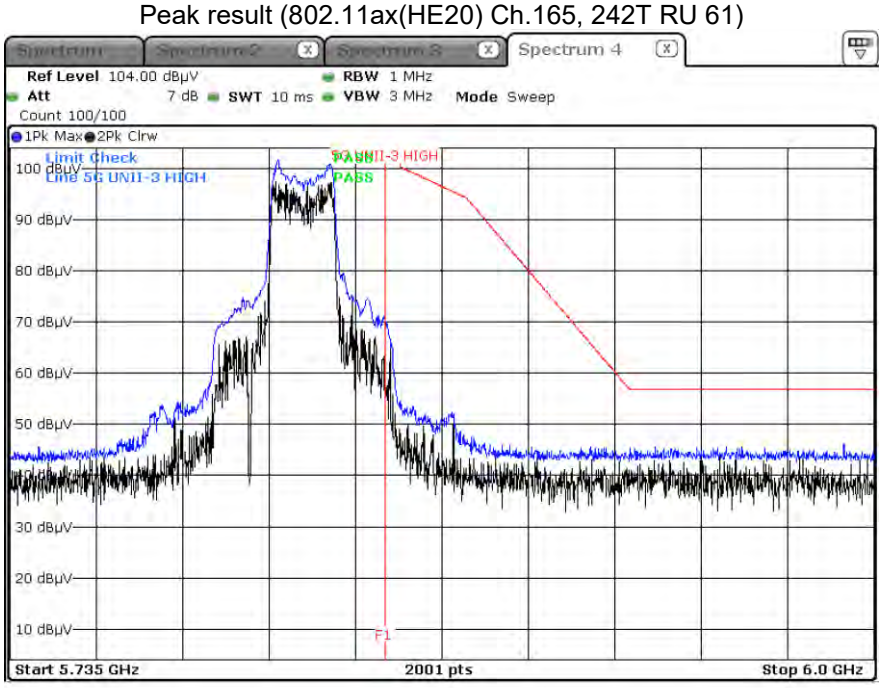
▣ Test Plots(UNII 3)_High Edge

[MIMO] Open Mode

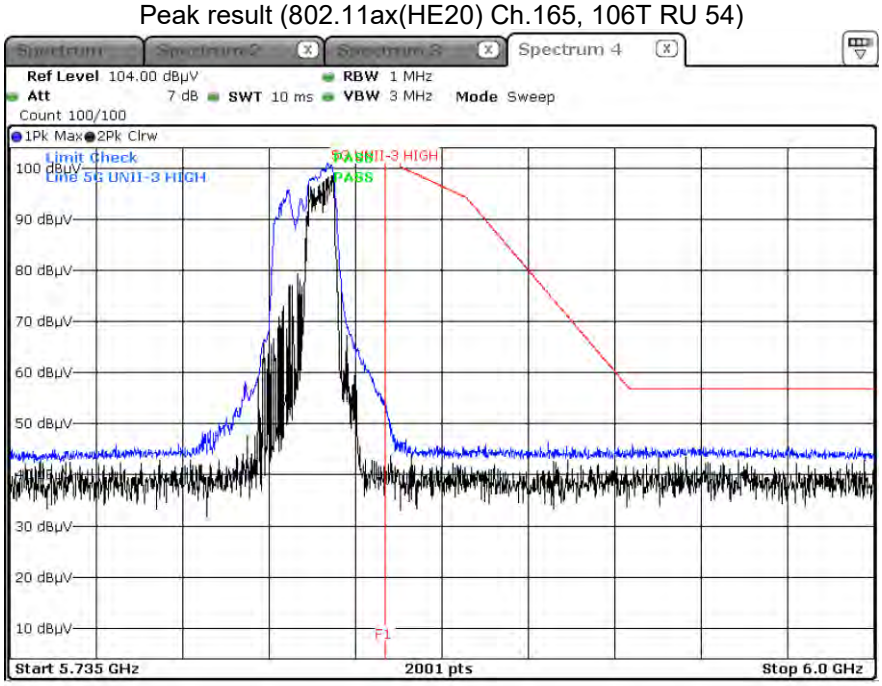
Peak result (802.11ax(HE20) Ch.165, SU)



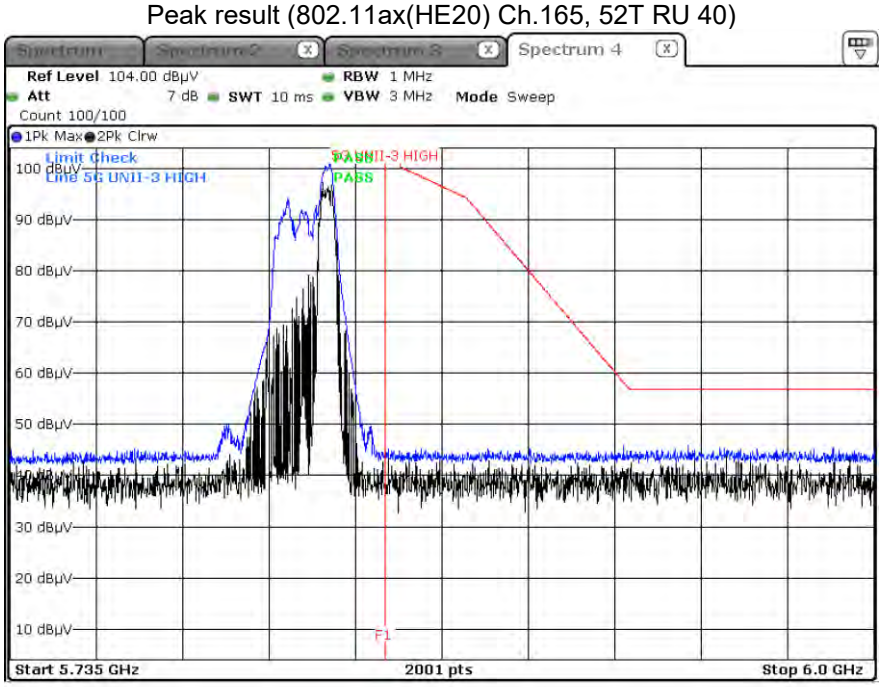
Peak result (802.11ax(HE20) Ch.165, 242T RU 61)



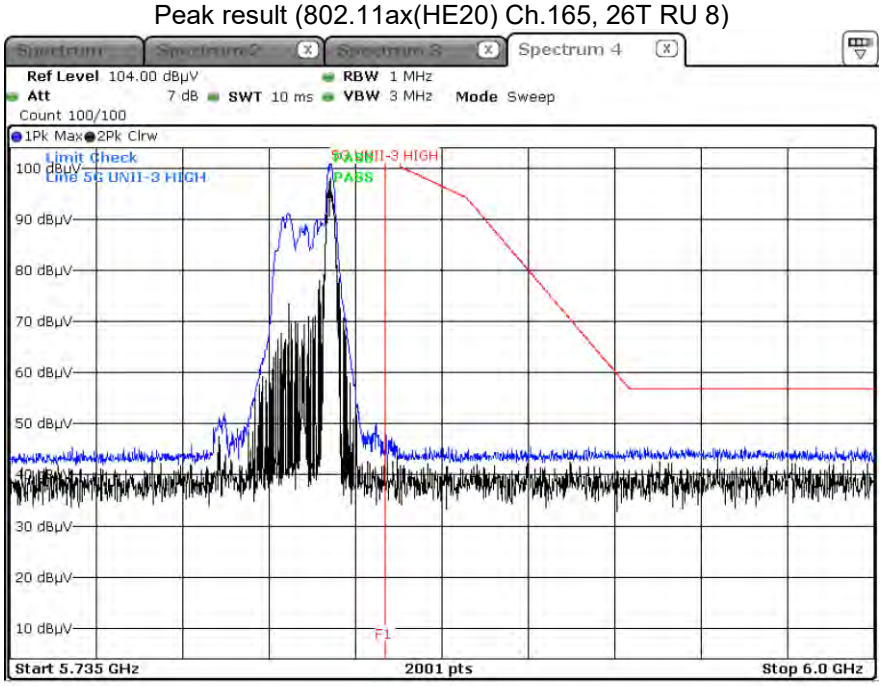
Peak result (802.11ax(HE20) Ch.165, 106T RU 54)



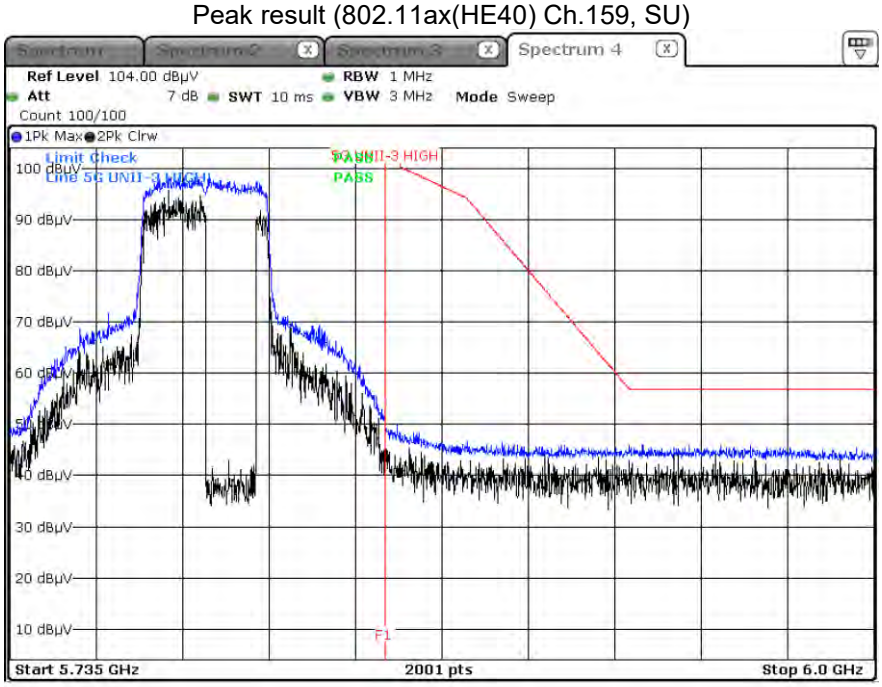
Peak result (802.11ax(HE20) Ch.165, 52T RU 40)



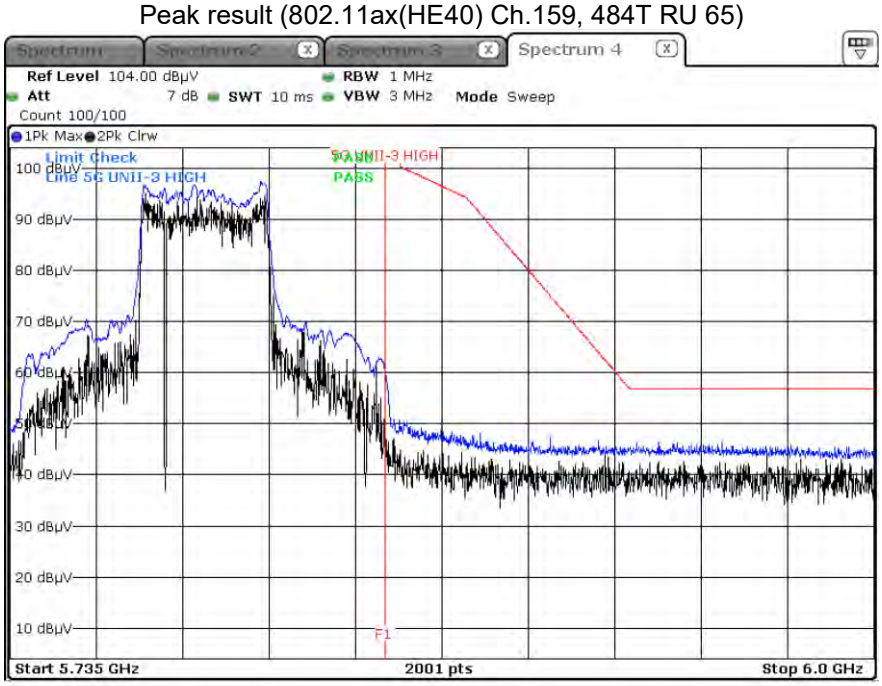
Peak result (802.11ax(HE20) Ch.165, 26T RU 8)



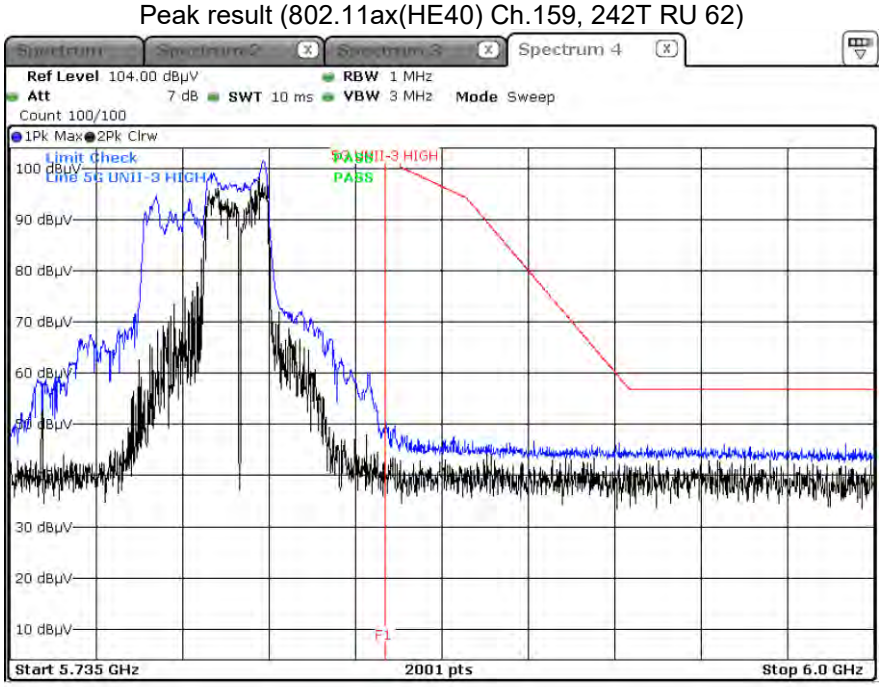
Peak result (802.11ax(HE40) Ch.159, SU)



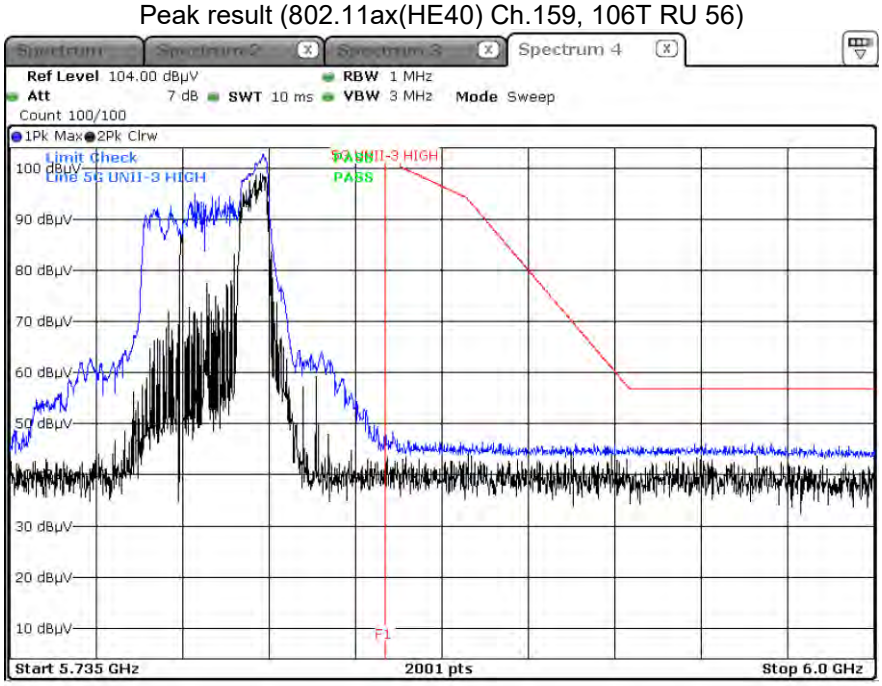
Peak result (802.11ax(HE40) Ch.159, 484T RU 65)



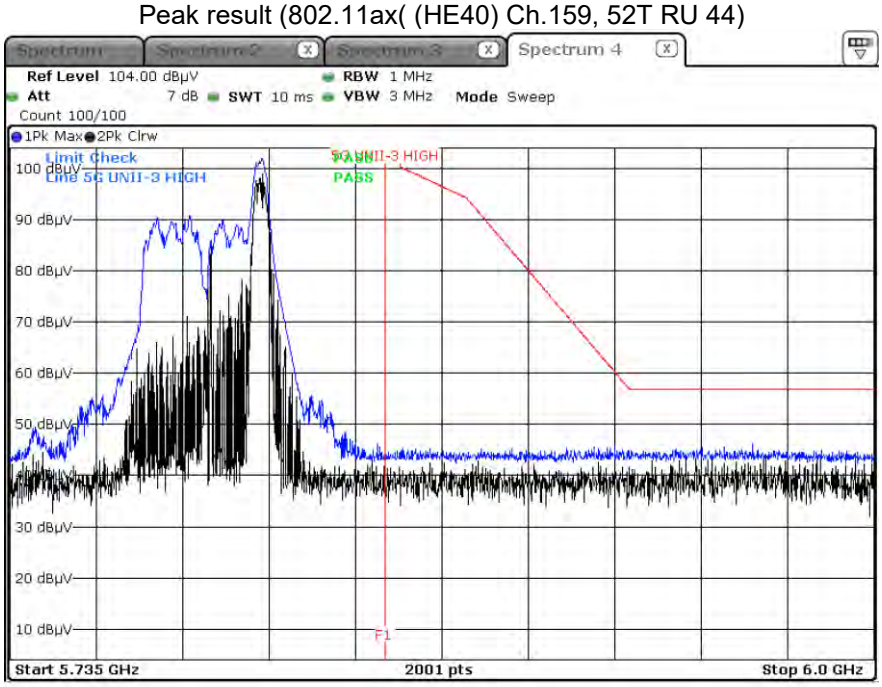
Peak result (802.11ax(HE40) Ch.159, 242T RU 62)



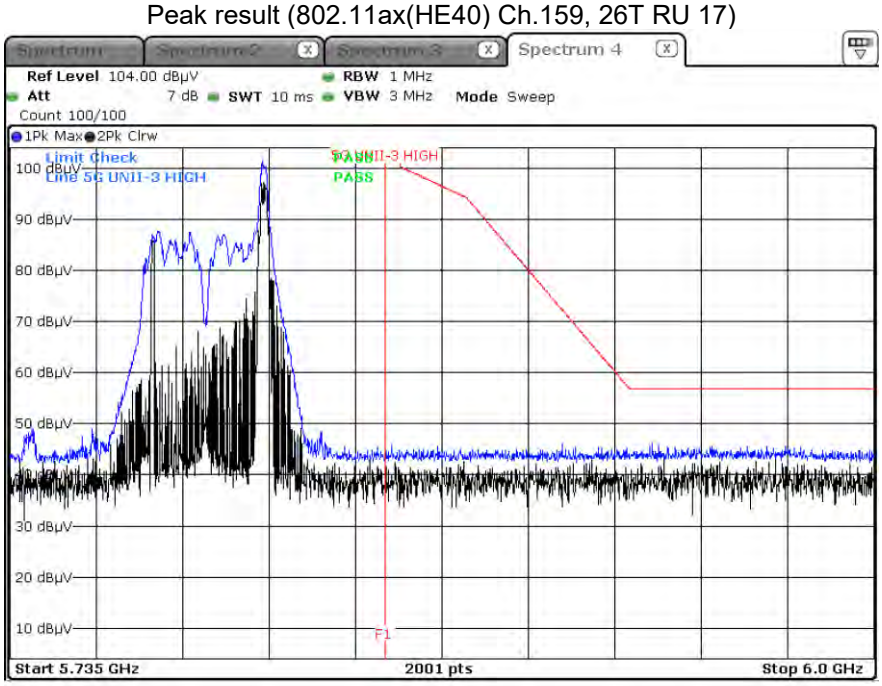
Peak result (802.11ax(HE40) Ch.159, 106T RU 56)



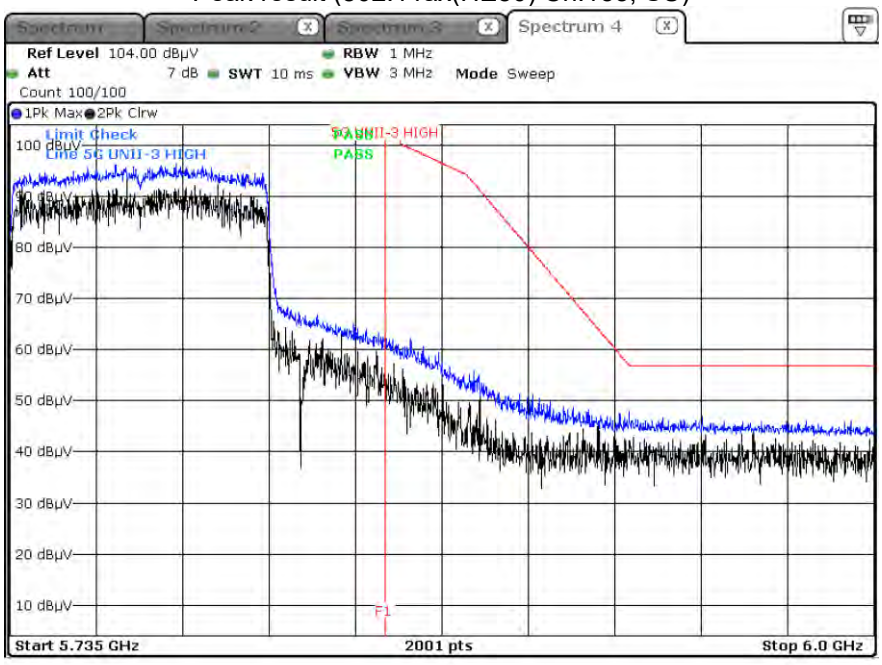
Peak result (802.11ax((HE40) Ch.159, 52T RU 44)



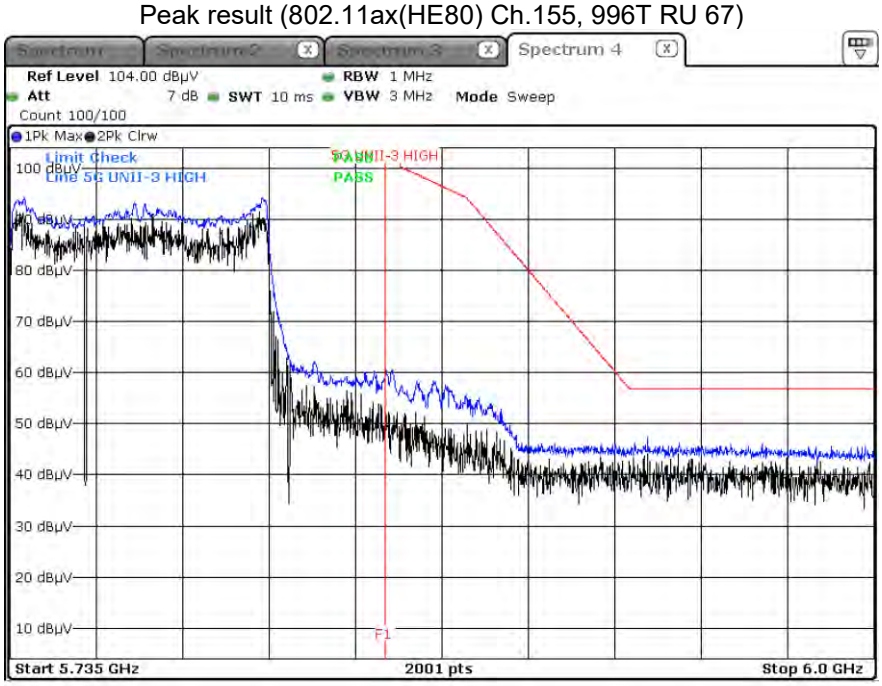
Peak result (802.11ax(HE40) Ch.159, 26T RU 17)



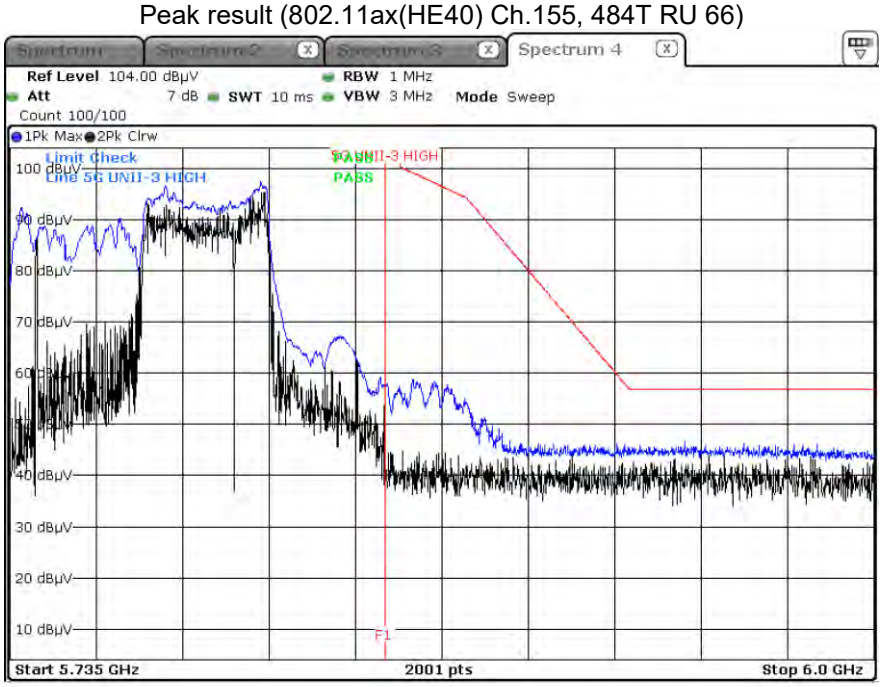
Peak result (802.11ax(HE80) Ch.155, SU)



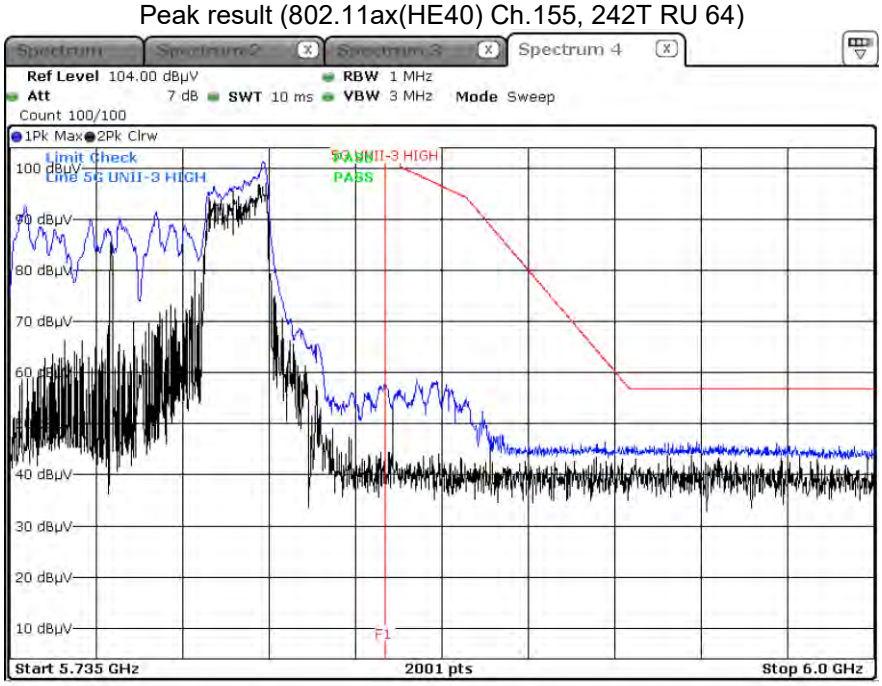
Peak result (802.11ax(HE80) Ch.155, 996T RU 67)



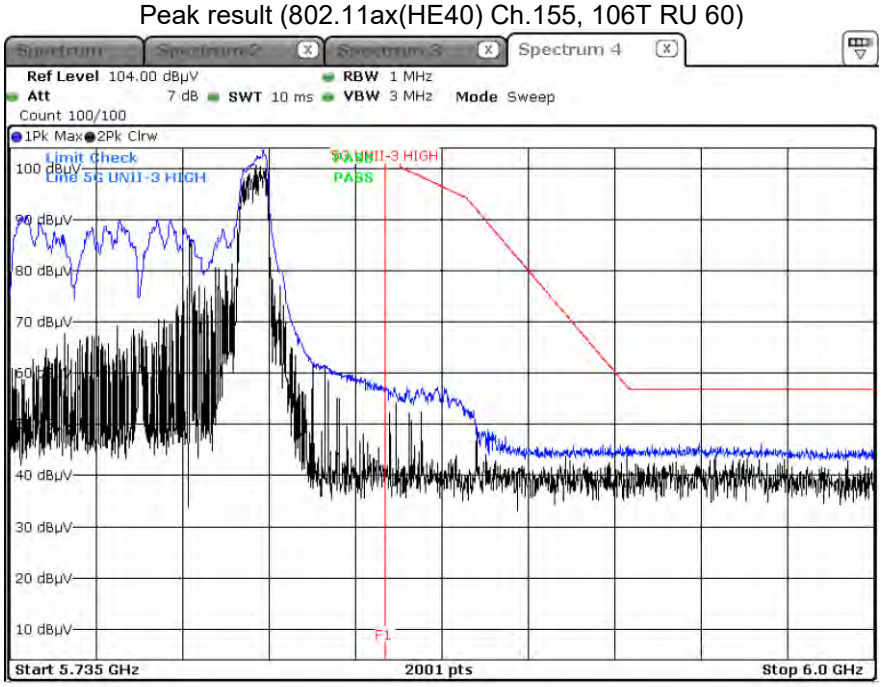
Peak result (802.11ax(HE40) Ch.155, 484T RU 66)



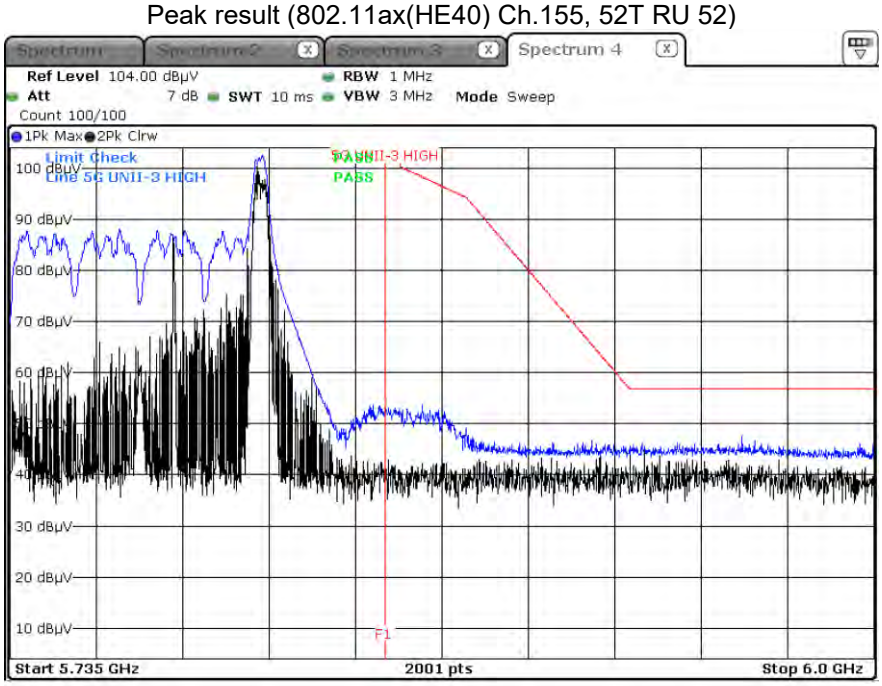
Peak result (802.11ax(HE40) Ch.155, 242T RU 64)



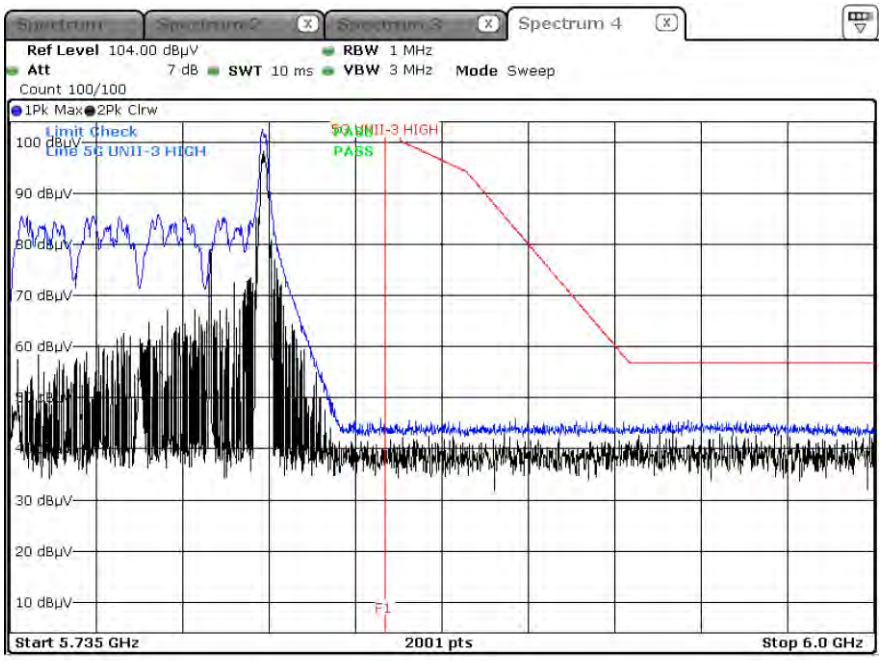
Peak result (802.11ax(HE40) Ch.155, 106T RU 60)



Peak result (802.11ax(HE40) Ch.155, 52T RU 52)



Peak result (802.11ax(HE40) Ch.155, 26T RU 36)



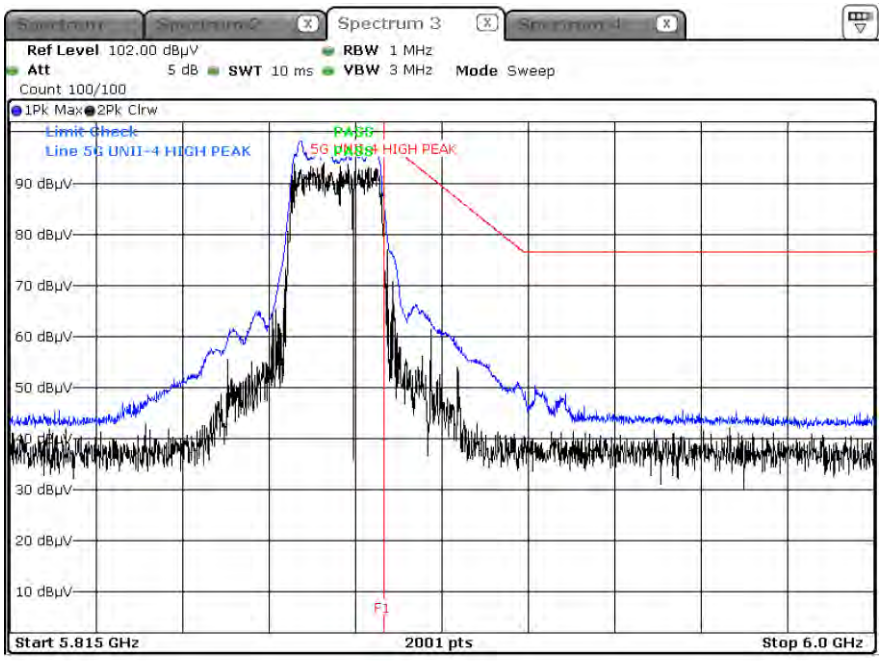
Note :

1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

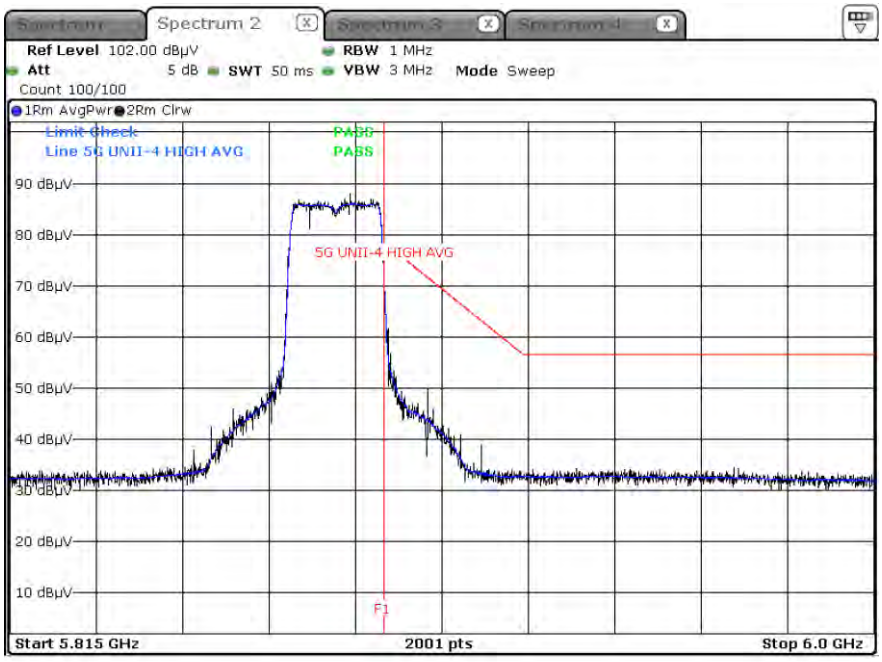
▣ Test Plots(UNII 4)

[Open Mode]

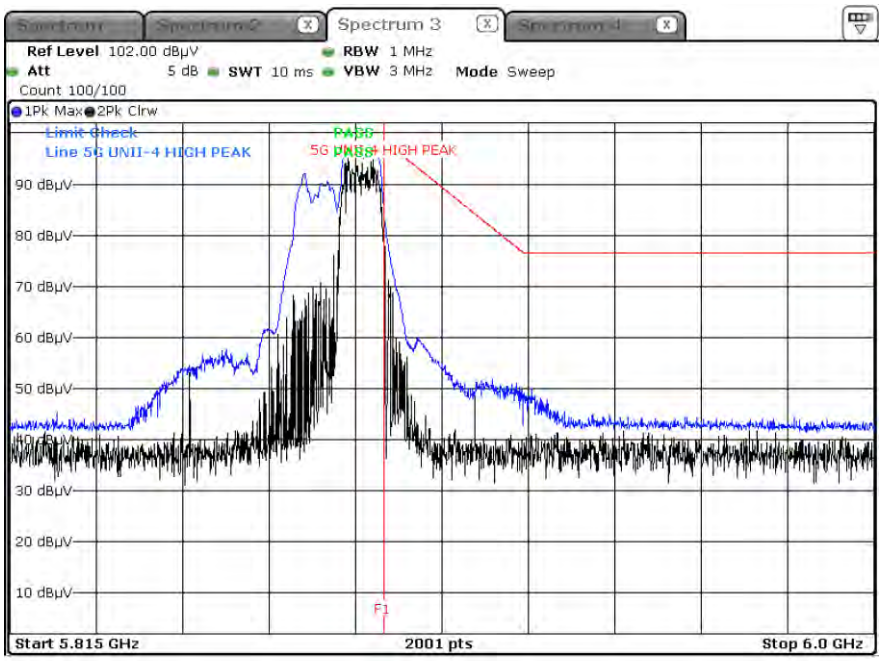
Peak result (802.11ax(HE20), Ch.177, 242 Tones RU 61)



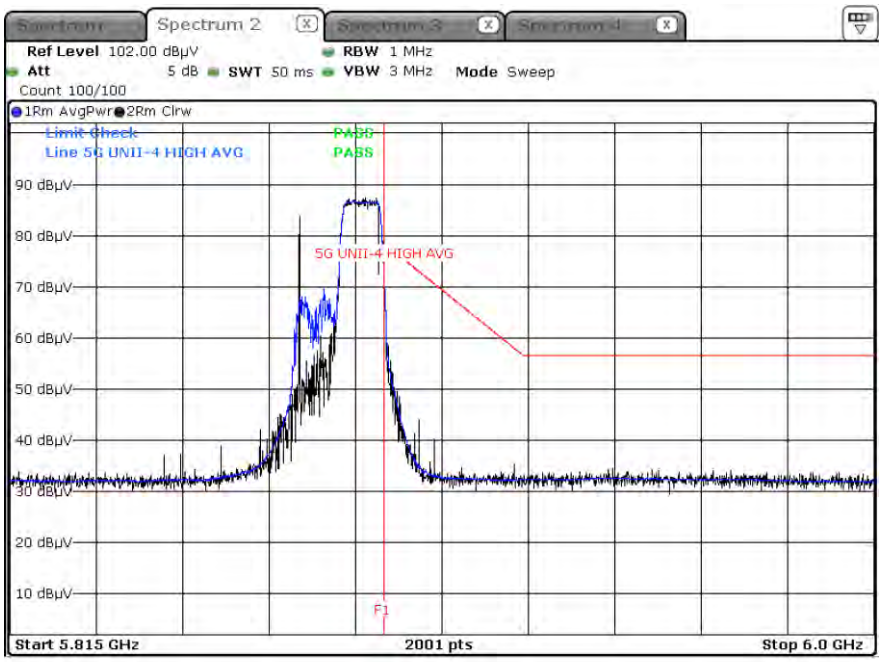
Average result (802.11ax(HE20), Ch.177, 242 Tones RU 61)



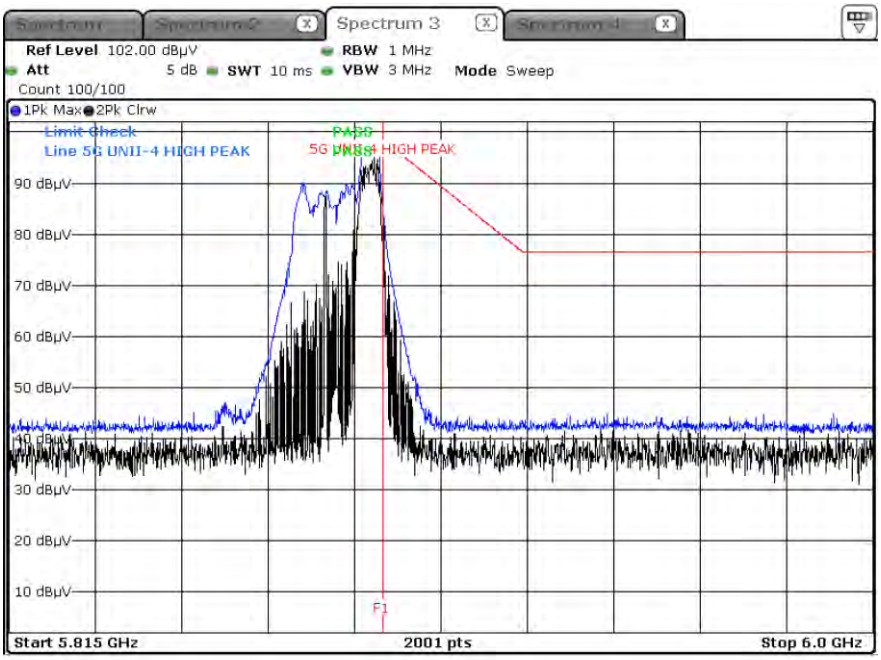
Peak result (802.11ax(HE20), Ch.177, 106 Tones RU 54)



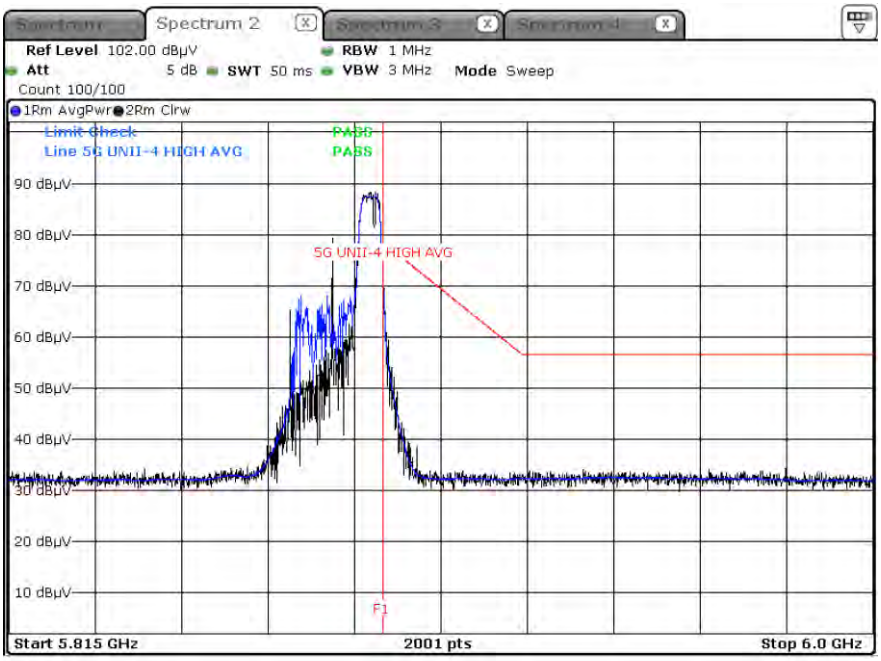
Average result (802.11ax(HE20), Ch.177, 106 Tones RU 54)



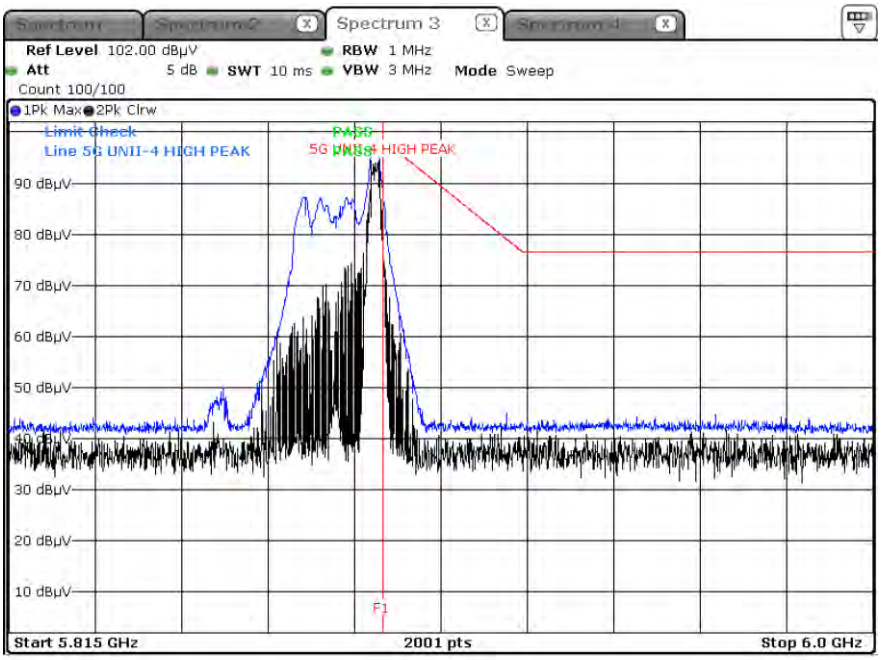
Peak result (802.11ax(HE20), Ch.177, 52 Tones RU 40)



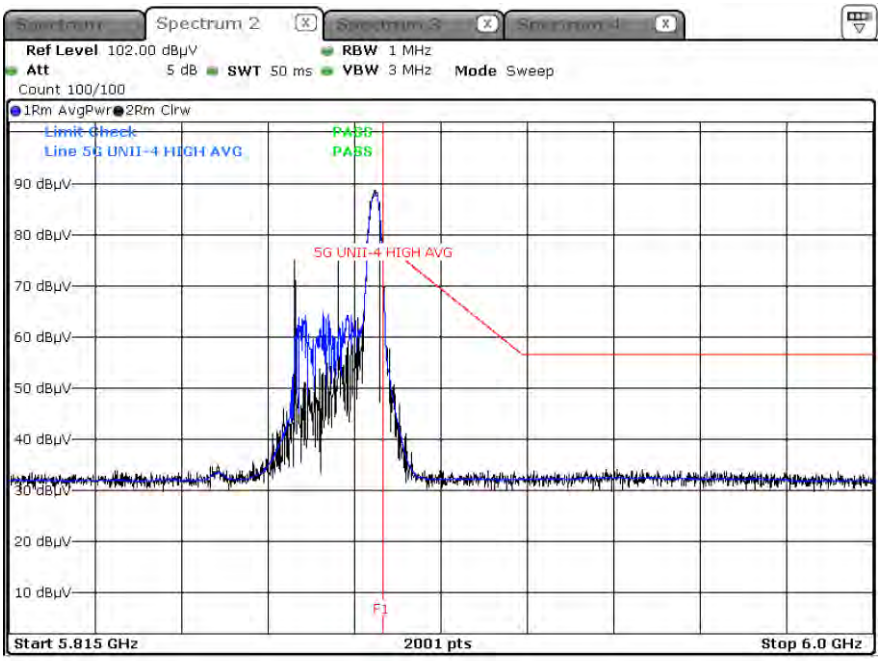
Average result (802.11ax(HE20), Ch.177, 52 Tones RU 40)



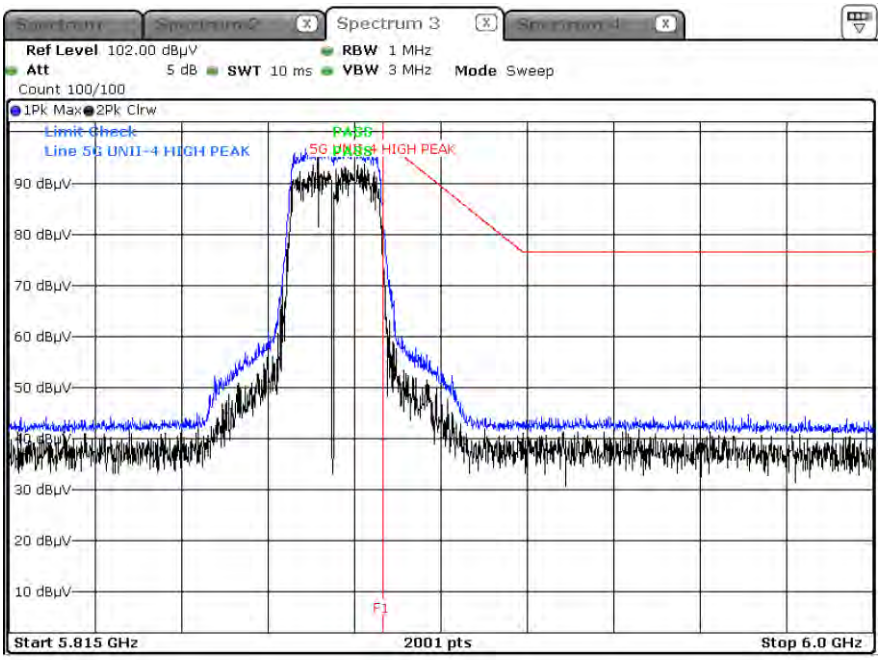
Peak result (802.11ax(HE20), Ch.177, 26 Tones RU 8)



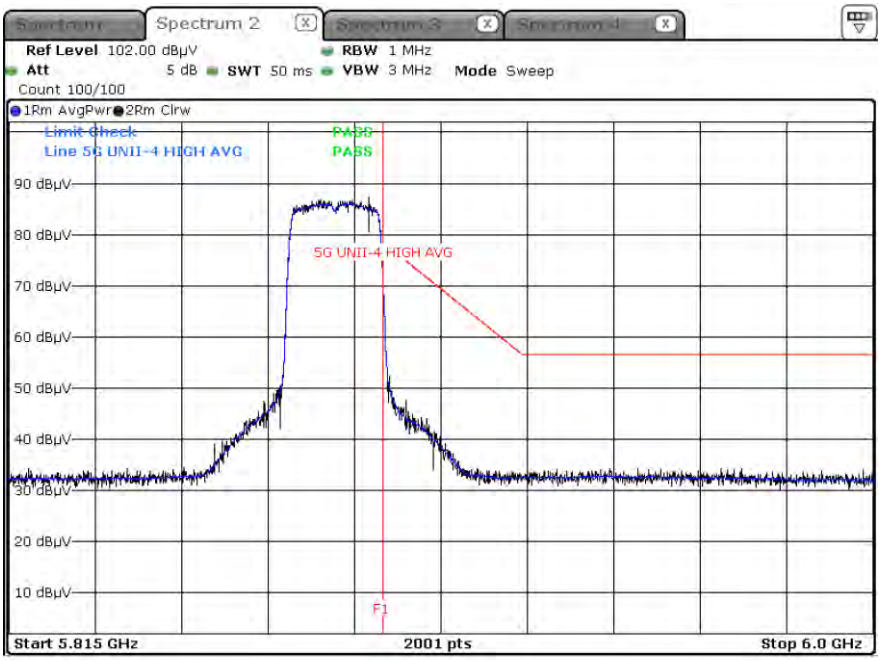
Average result (802.11ax(HE20), Ch.177, 26 Tones RU 8)



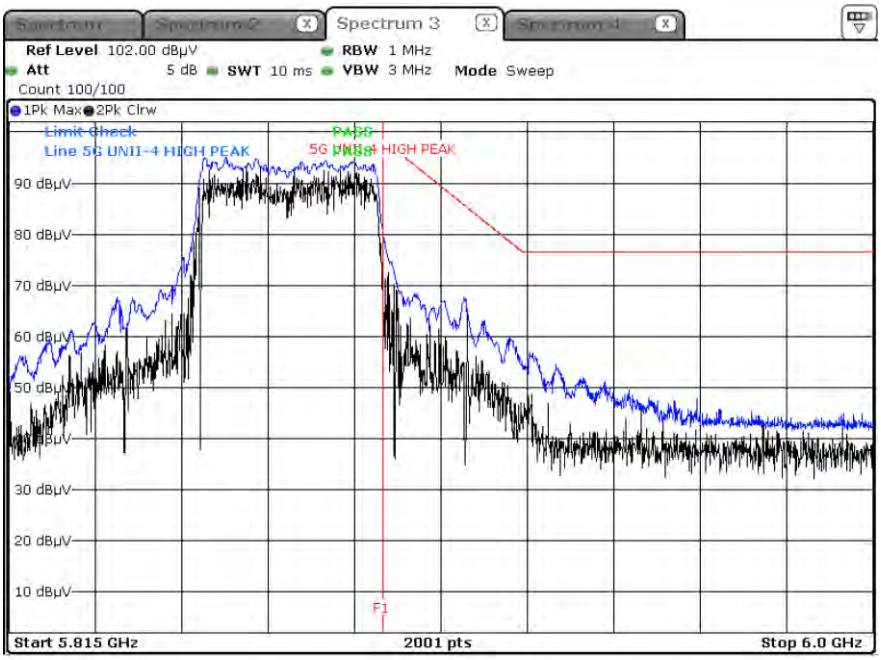
Peak result (802.11ax(HE20), Ch.177, SU)



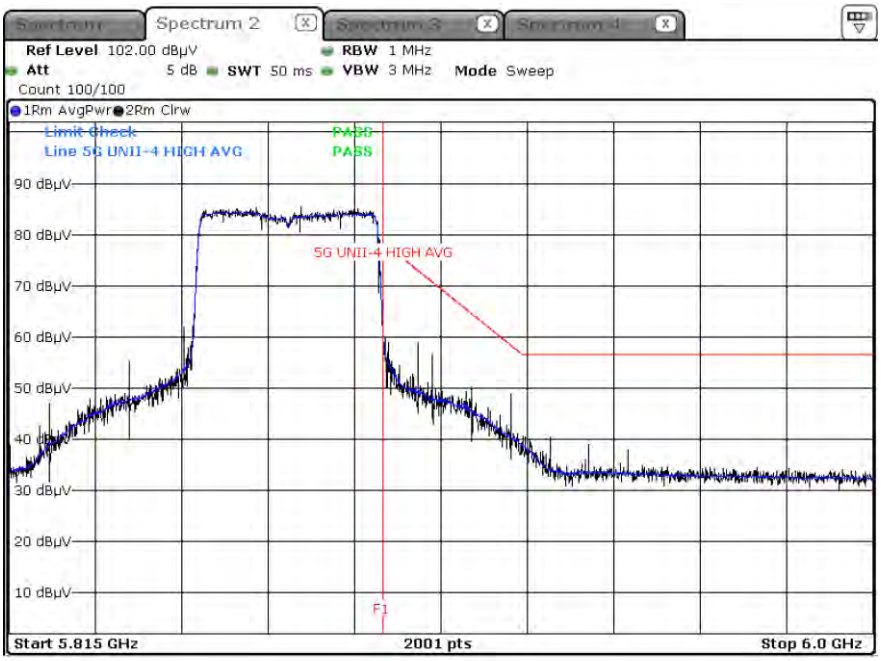
Average result (802.11ax(HE20), Ch.177, SU)



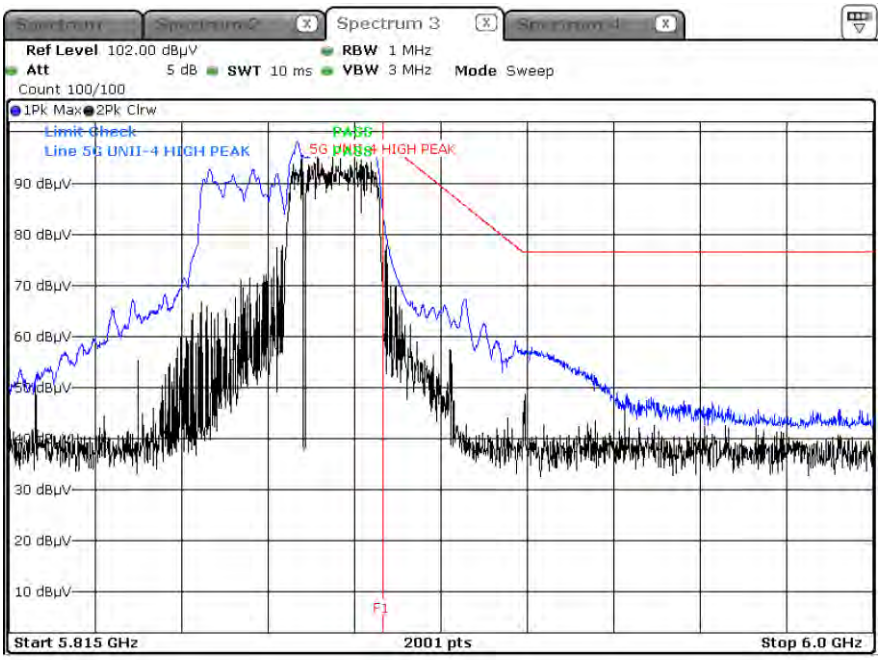
Peak result (802.11ax(HE40), Ch.175, 484 Tones RU 65)



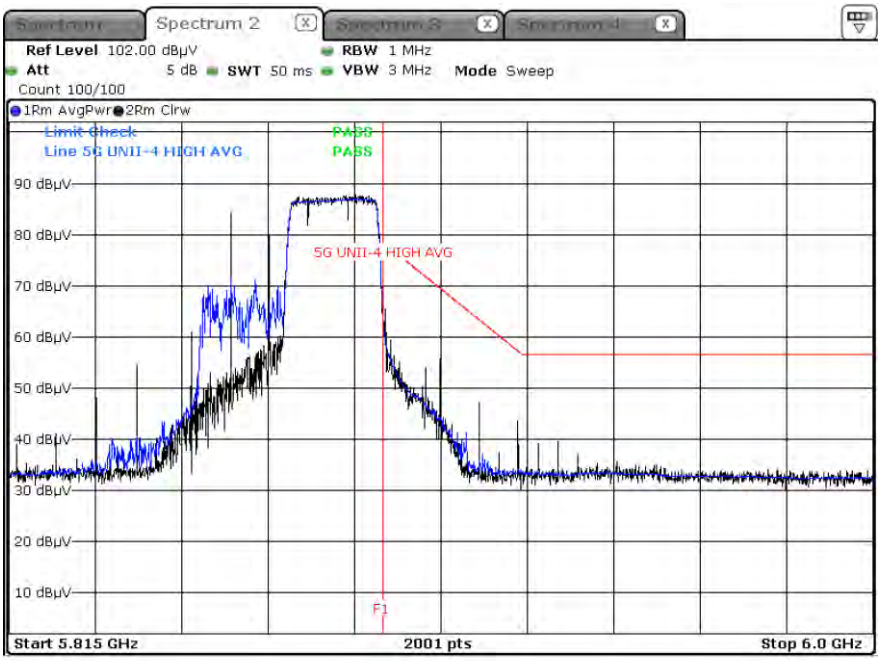
Average result (802.11ax(HE40), Ch.175, 484 Tones RU 65)



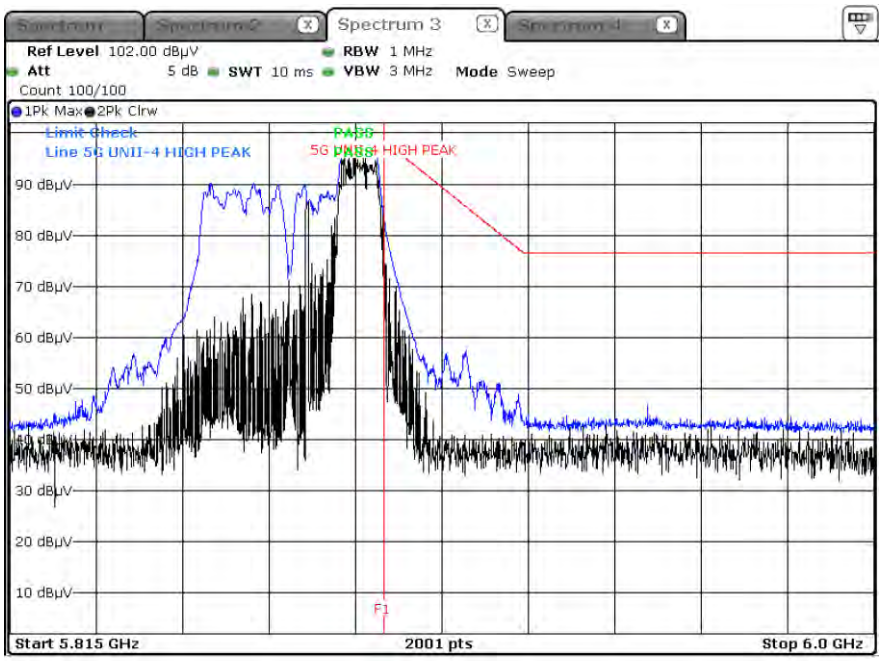
Peak result (802.11ax(HE40), Ch.175, 242 Tones RU 62)



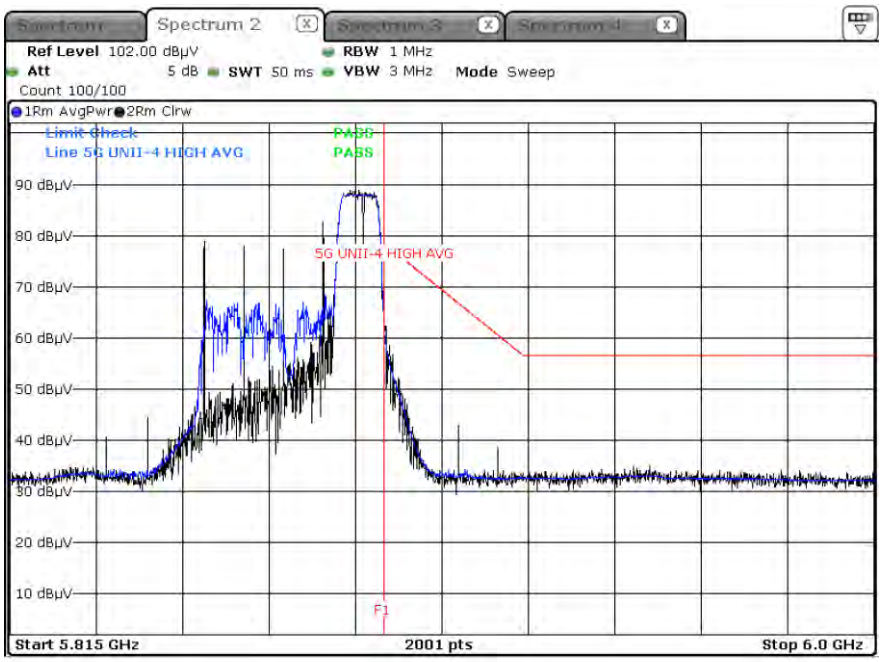
Average result (802.11ax(HE40), Ch.175, 242 Tones RU 62)



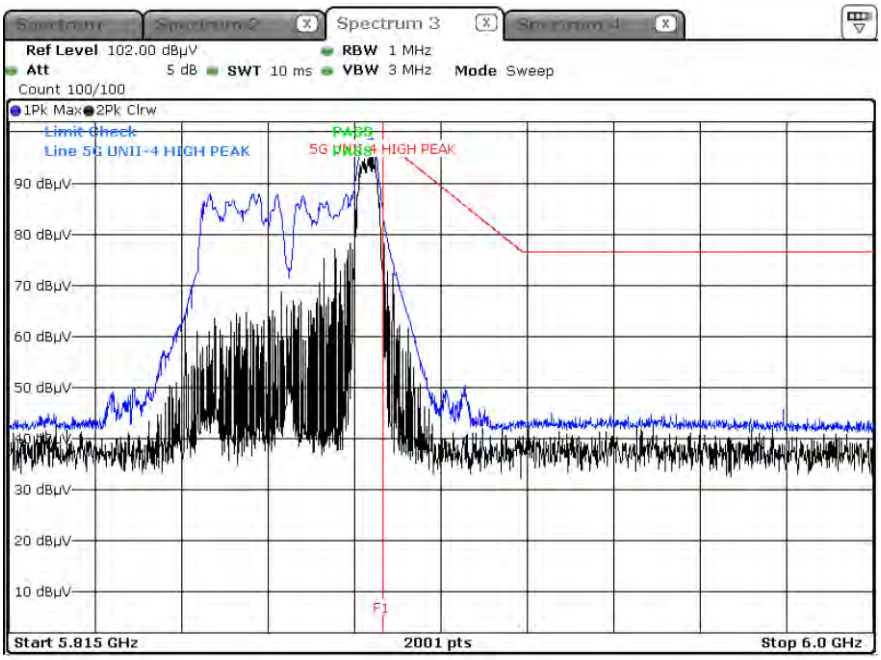
Peak result (802.11ax(HE40), Ch.175, 106 Tones RU 56)



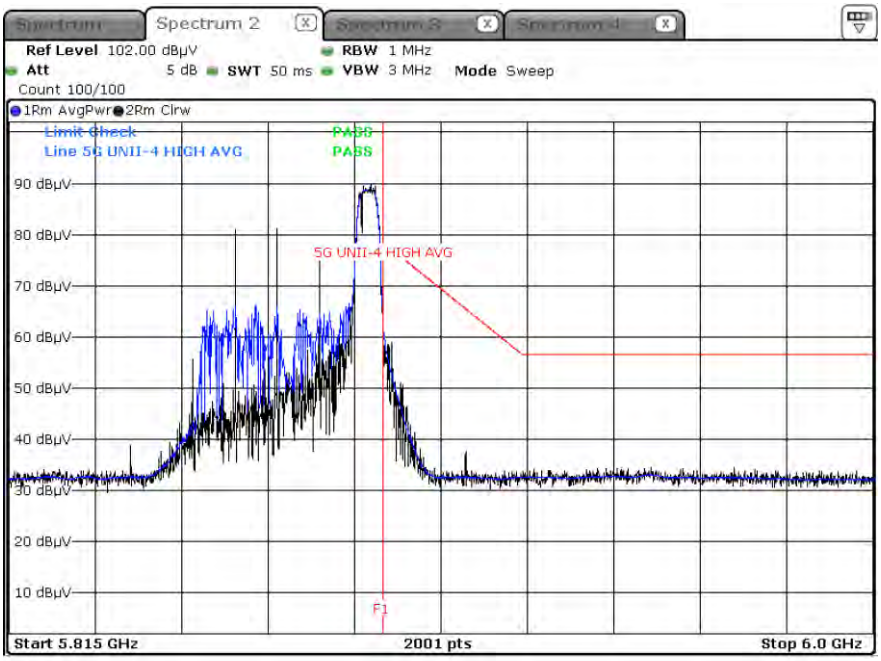
Average result (802.11ax(HE40), Ch.175, 106 Tones RU 56)



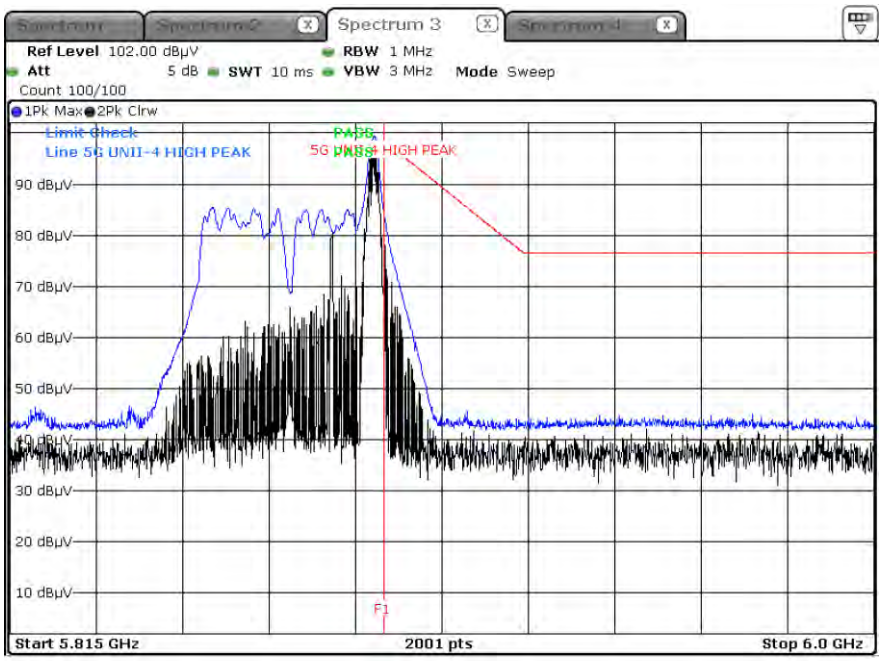
Peak result (802.11ax(HE40), Ch.175, 52 Tones RU 44)



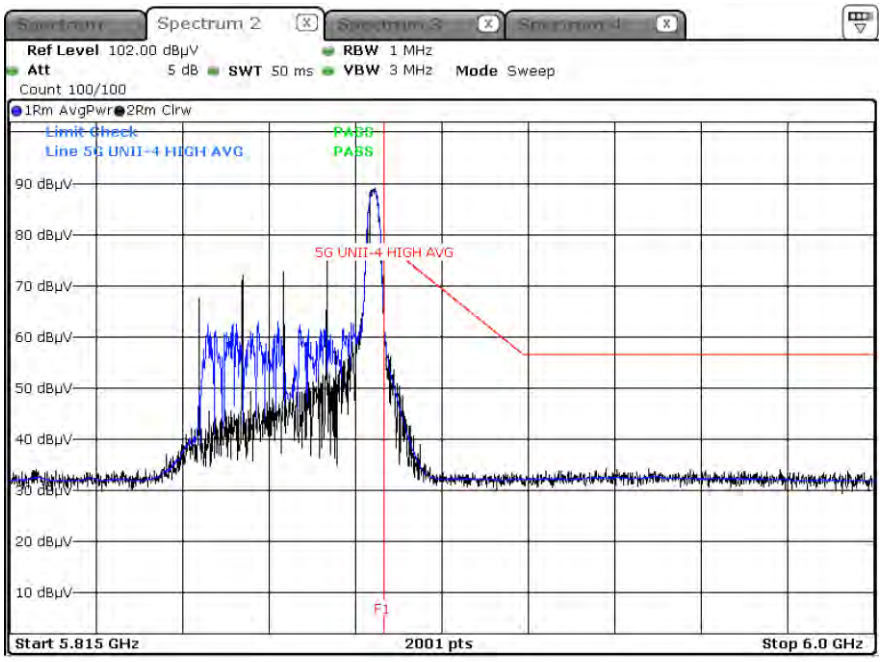
Average result (802.11ax(HE40), Ch.175, 52 Tones RU 44)



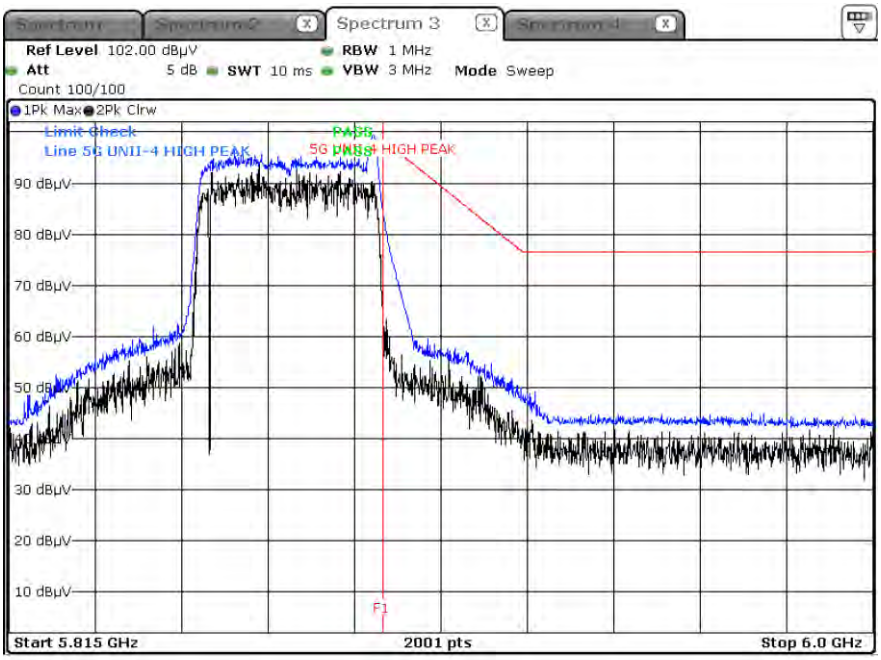
Peak result (802.11ax(HE40), Ch.175, 26 Tones RU 17)



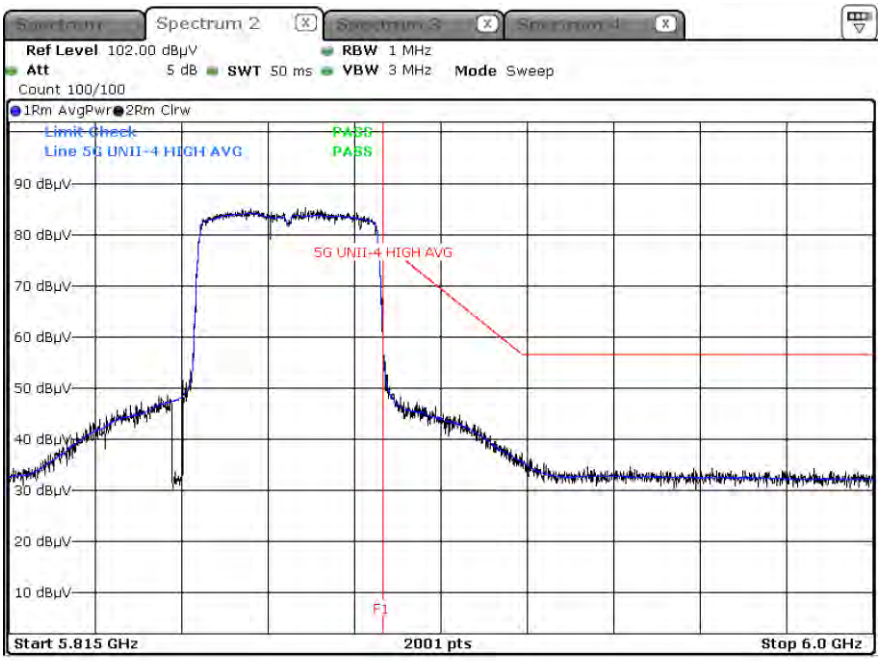
Average result (802.11ax(HE40), Ch.175, 26 Tones RU 17)



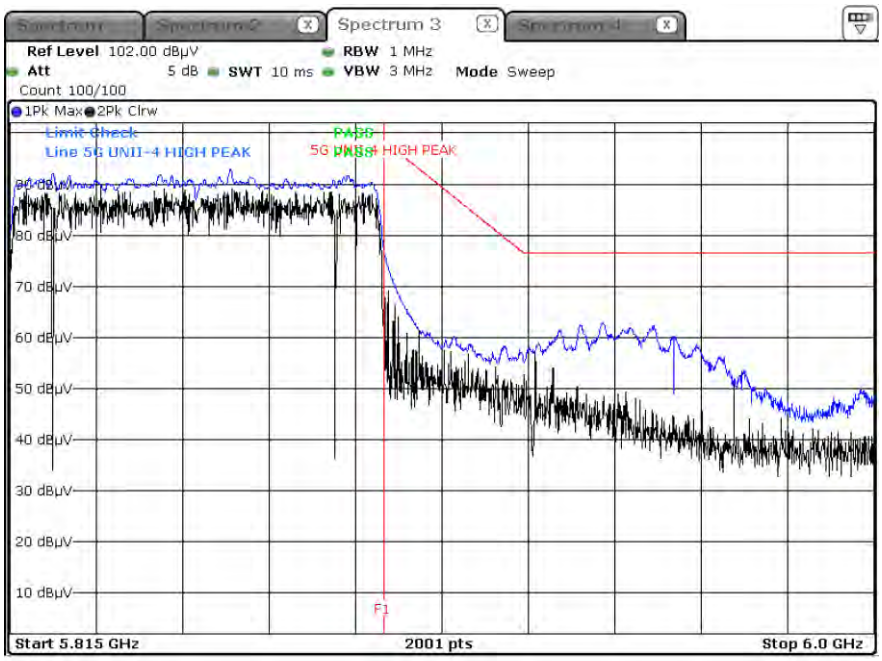
Peak result (802.11ax(HE40), Ch.175, SU)



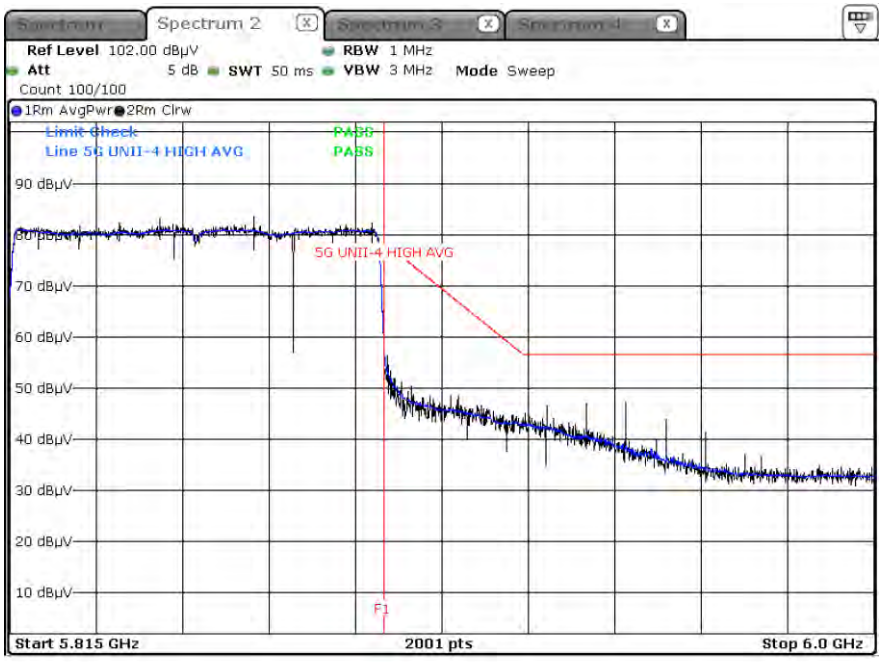
Average result (802.11ax(HE40), Ch.175, SU)



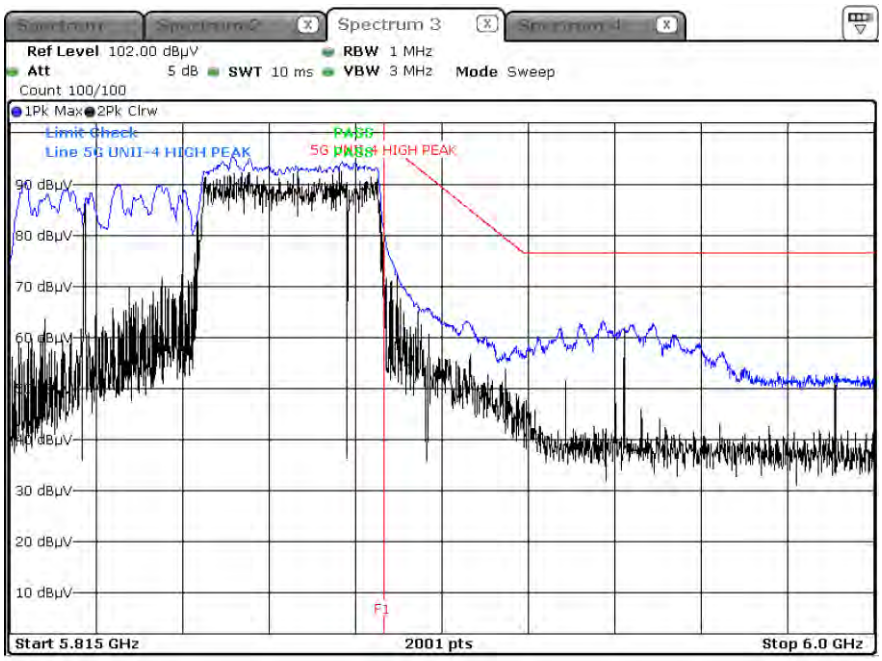
Peak result (802.11ax(HE80), Ch.171, 996 Tones RU 67)



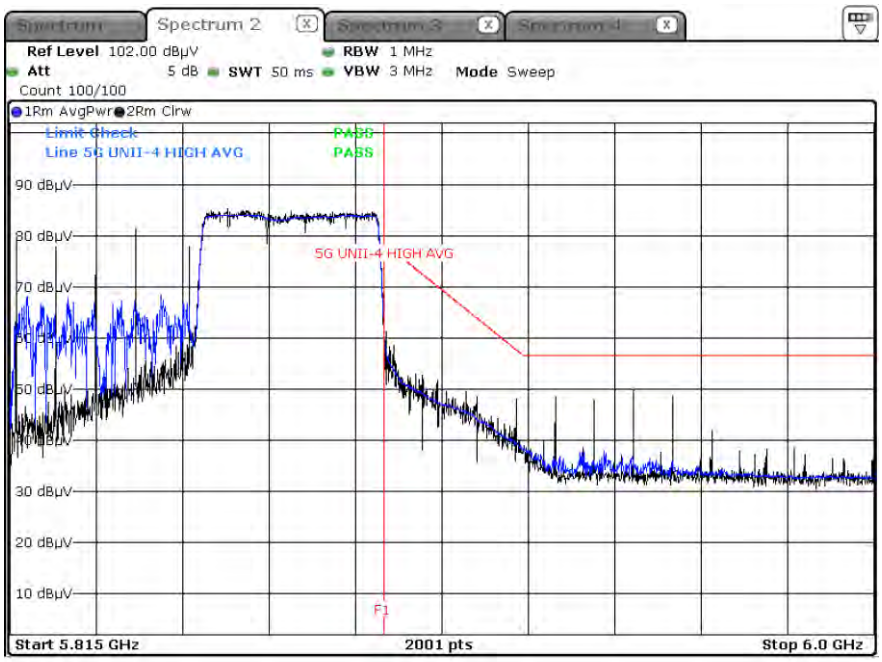
Average result (802.11ax(HE80), Ch.171, 996 Tones RU 67)



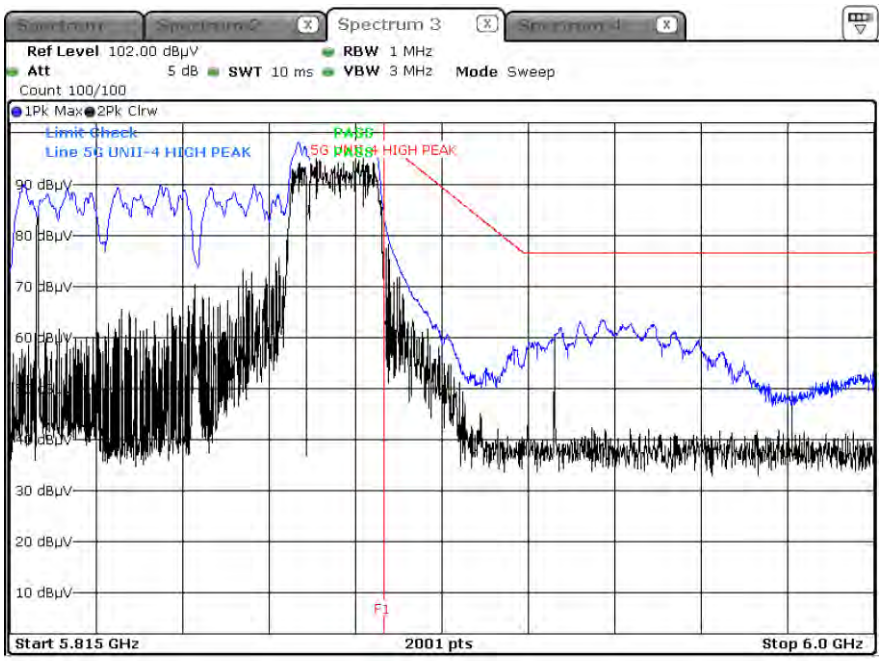
Peak result (802.11ax(HE80), Ch.171, 484 Tones RU 66)



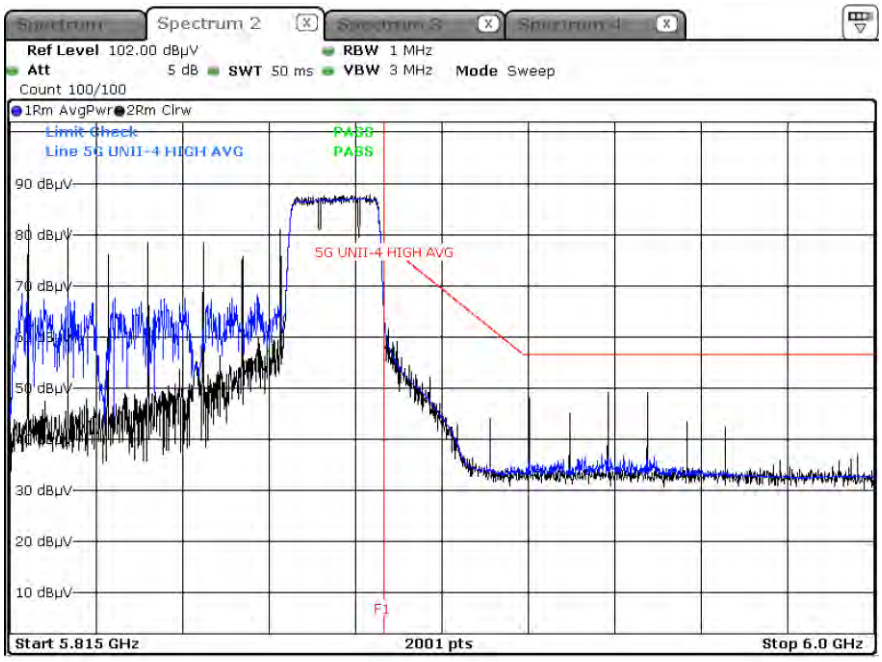
Average result (802.11ax(HE80), Ch.171, 484 Tones RU 66)



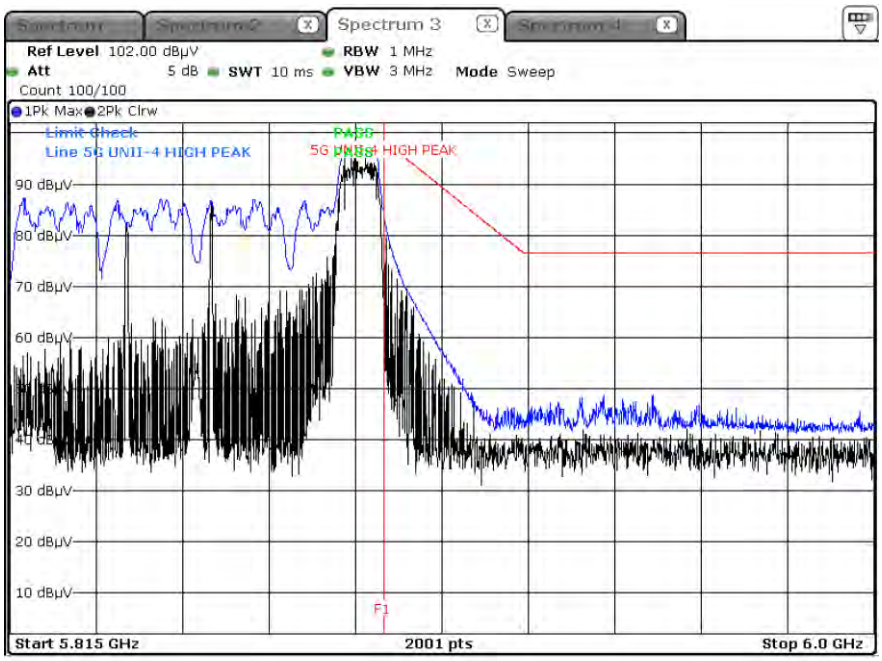
Peak result (802.11ax(HE80), Ch.171, 242 Tones RU 64)



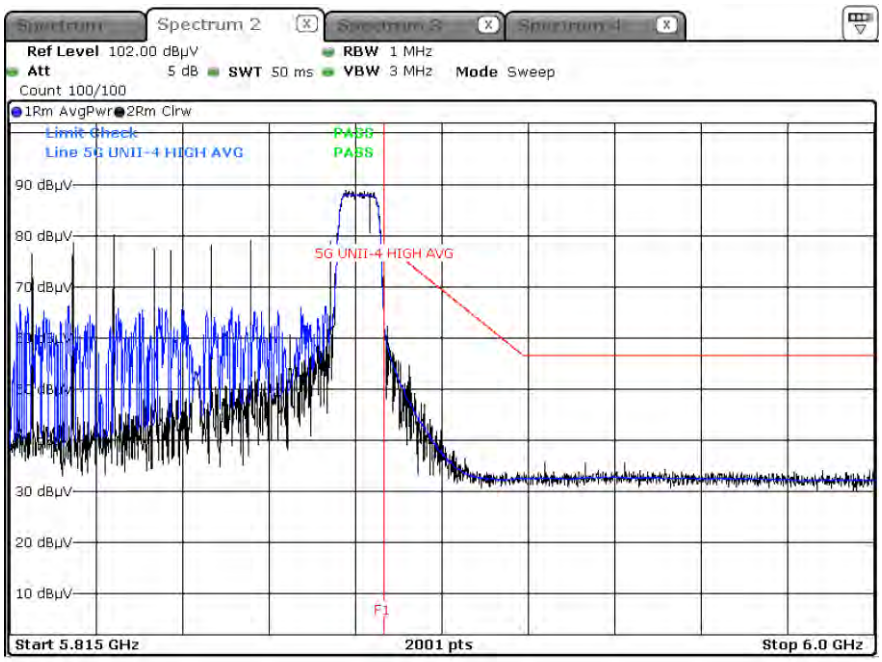
Average result (802.11ax(HE80), Ch.171, 242 Tones RU 64)



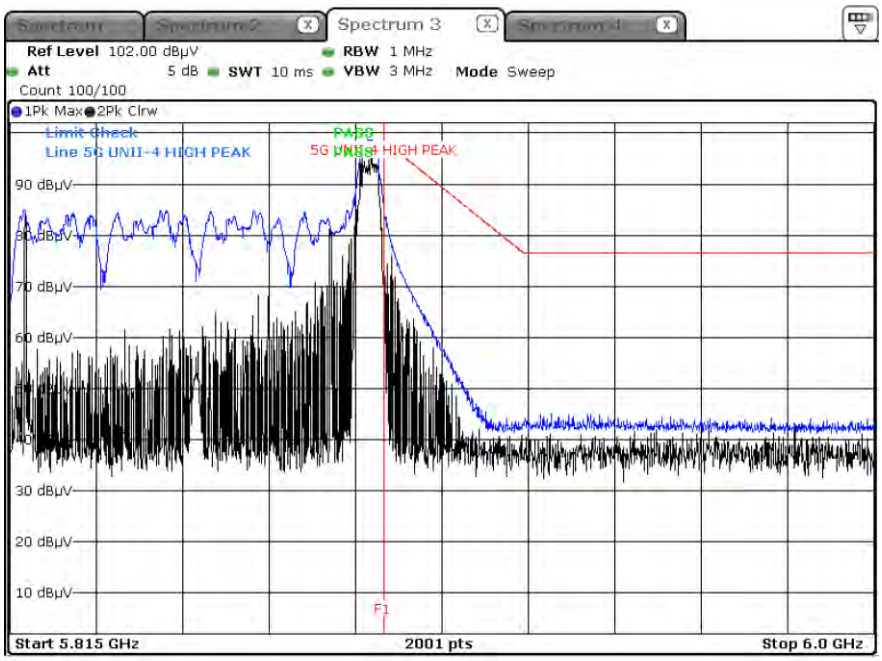
Peak result (802.11ax(HE80), Ch.171, 106 Tones RU 60



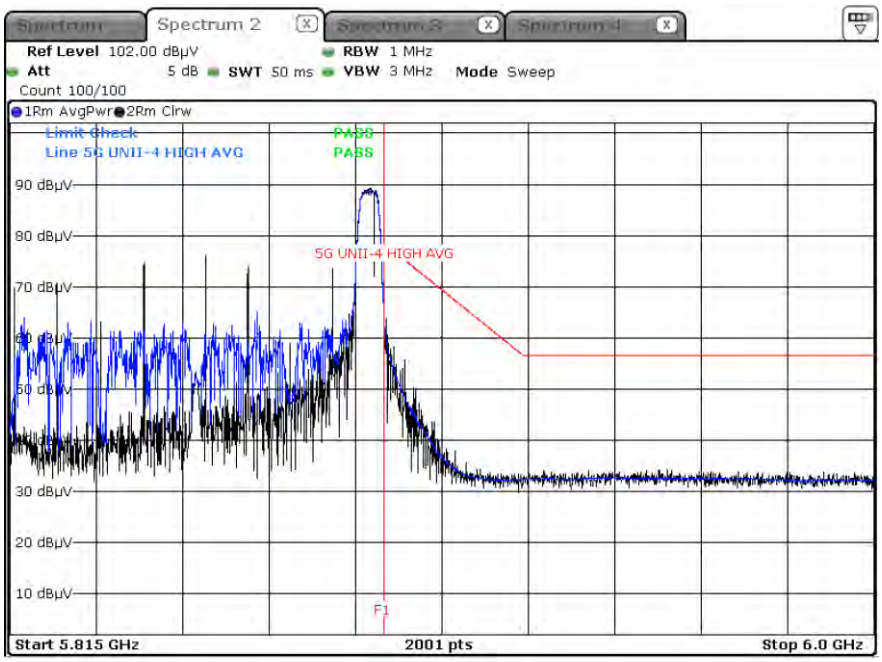
Average result (802.11ax(HE80), Ch.171, 106 Tones RU 60)



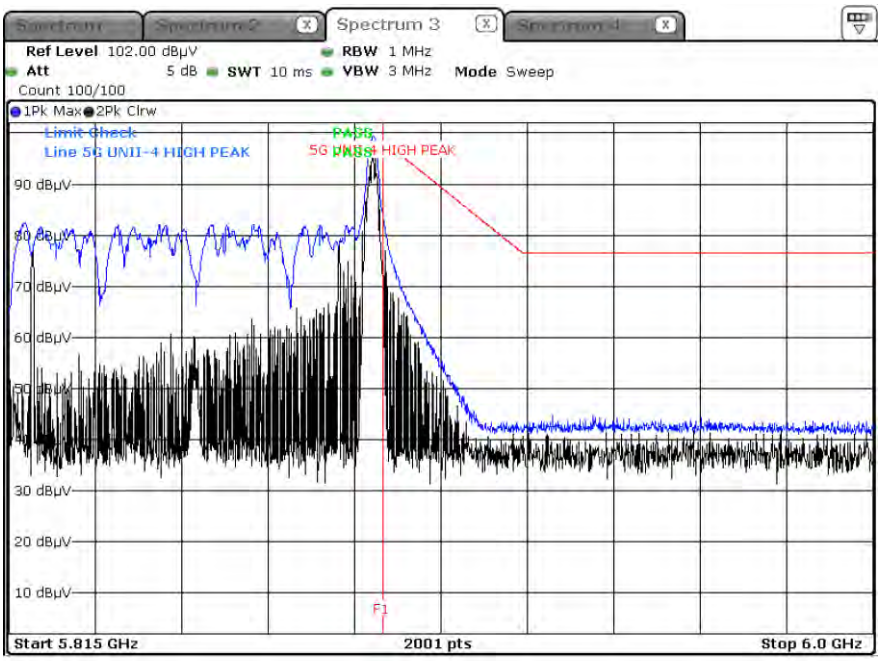
Peak result (802.11ax(HE80), Ch.171, 52 Tones RU 52)



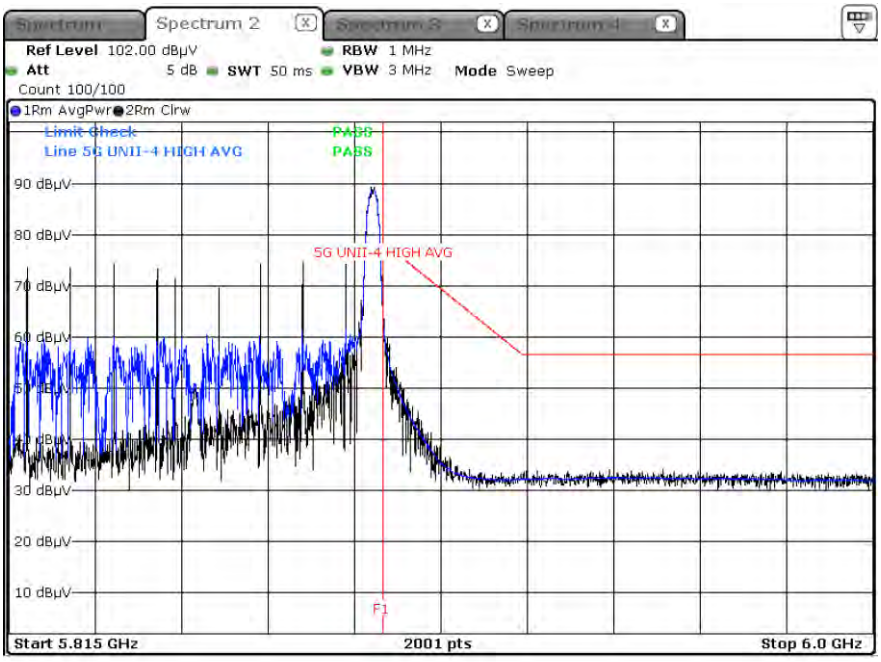
Average result (802.11ax(HE80), Ch.171, 52 Tones RU 52)



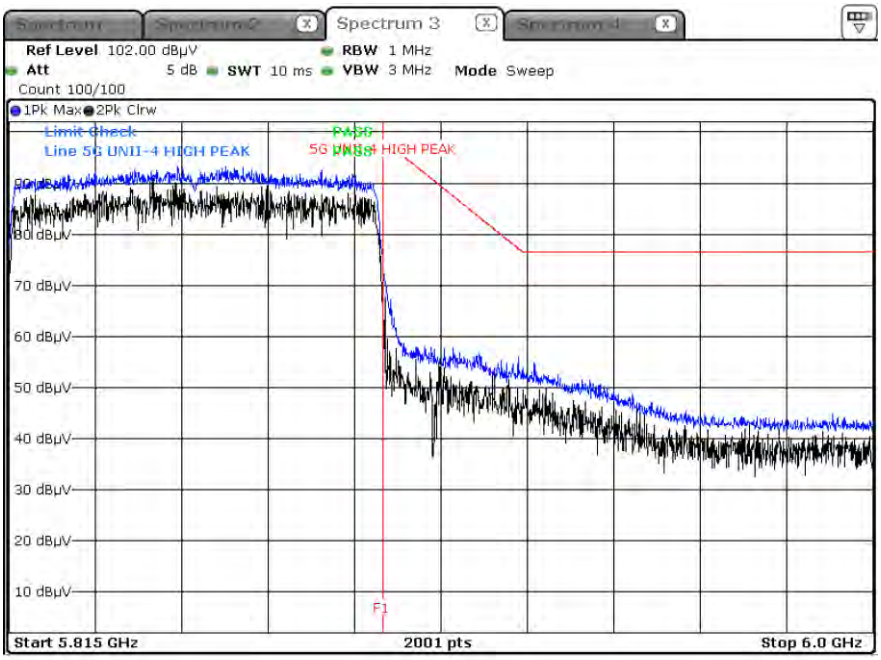
Peak result (802.11ax(HE80), Ch.171, 26 Tones RU 36)



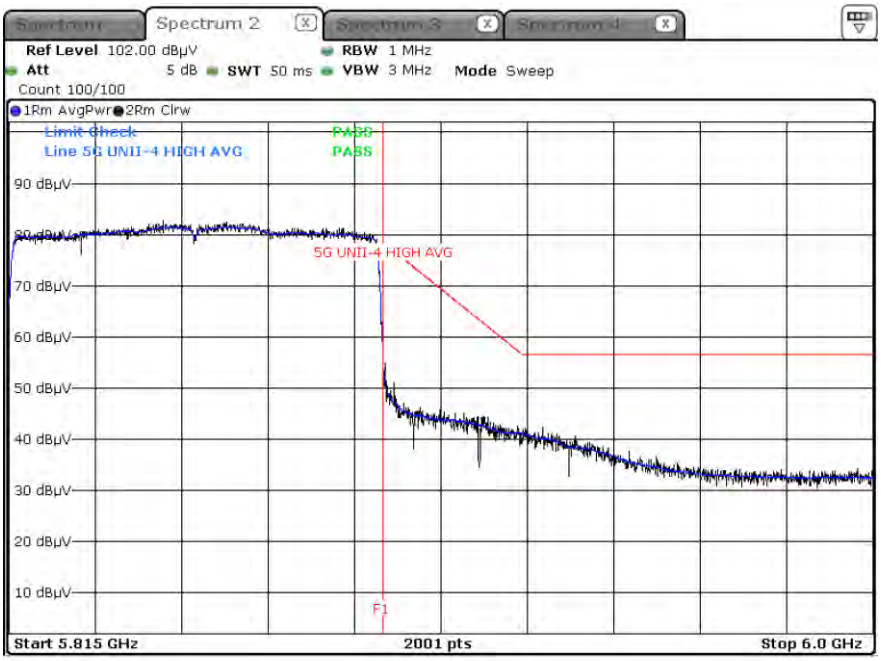
Average result (802.11ax(HE80), Ch.171, 26 Tones RU 36)



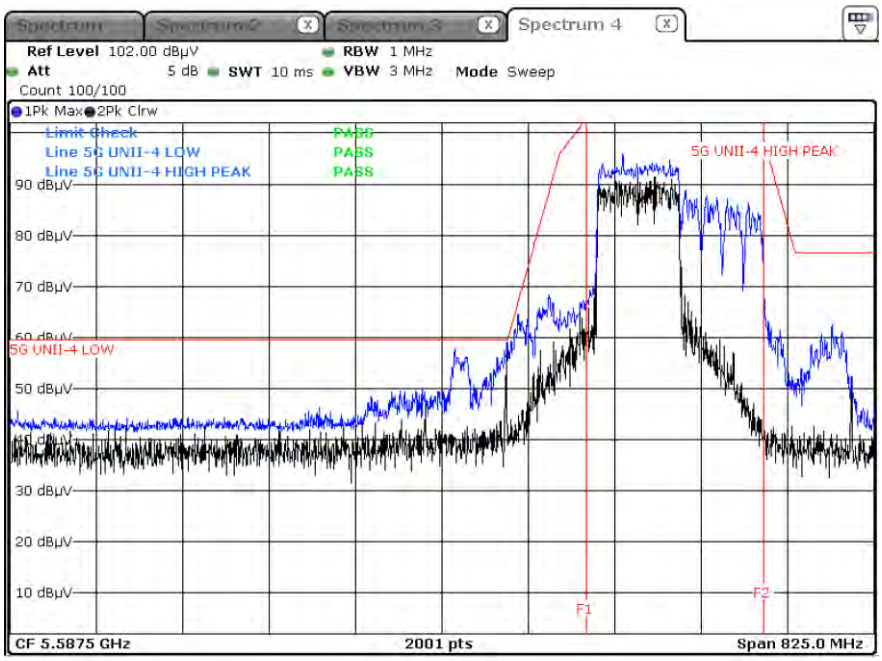
Peak result (802.11ax(HE80), Ch.171, SU)



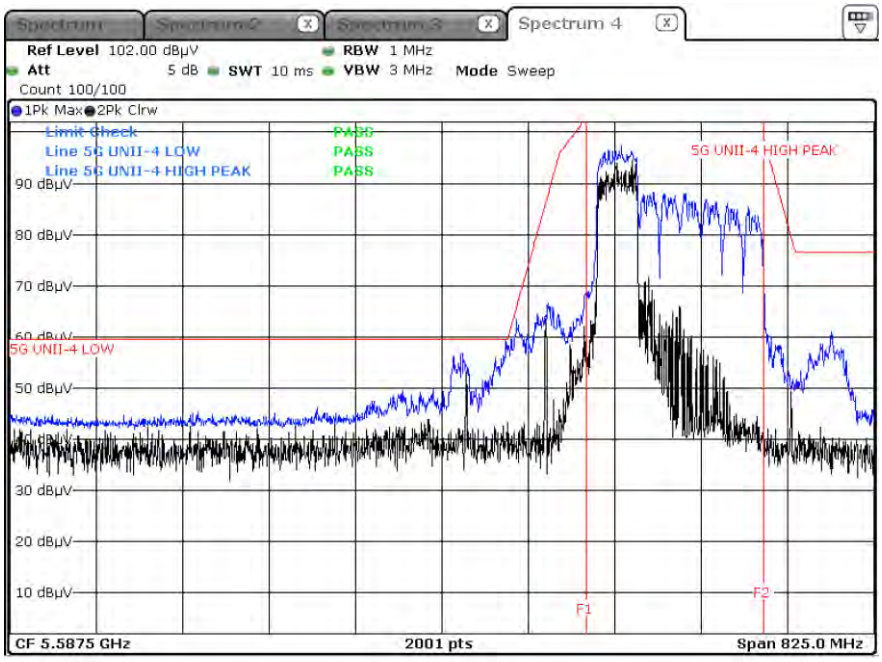
Average result (802.11ax(HE80), Ch.171, SU)



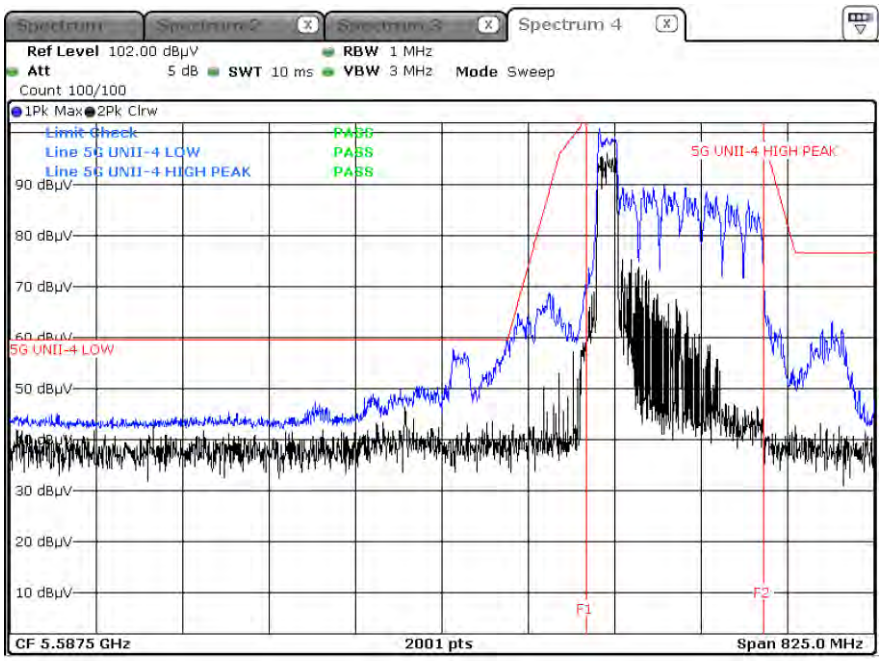
Peak result (802.11ax HE160(80L), Ch.163,996 Tones RU 67)



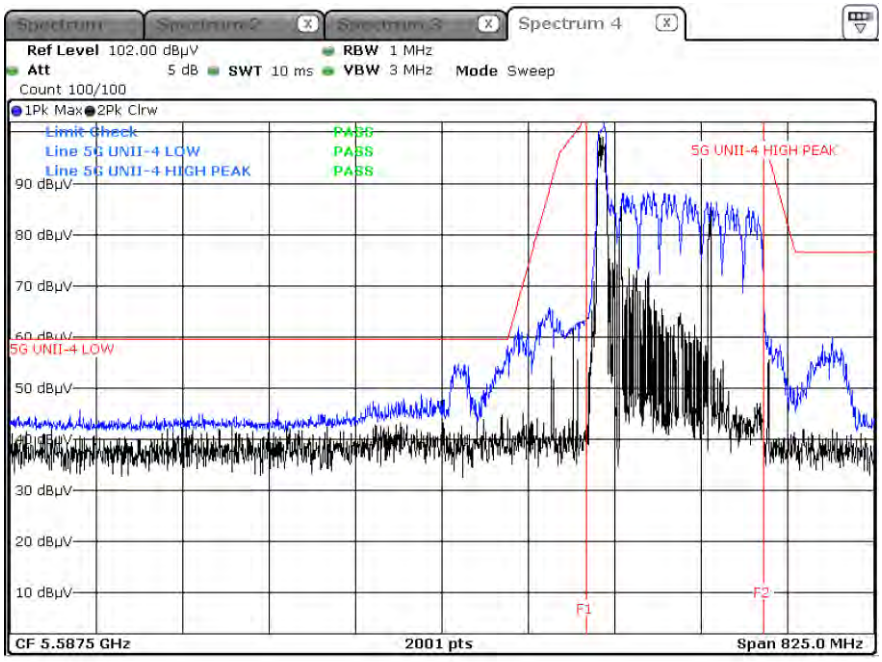
Peak result (802.11ax HE160(80L), Ch.163,484 Tones RU 65)



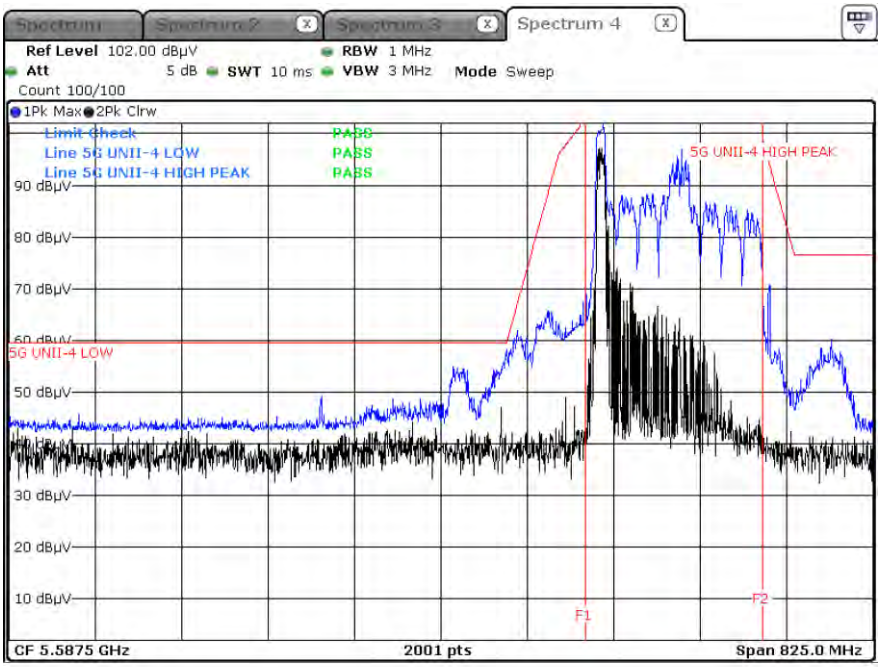
Peak result (802.11ax HE160(80L), Ch.163,242 Tones RU 61)



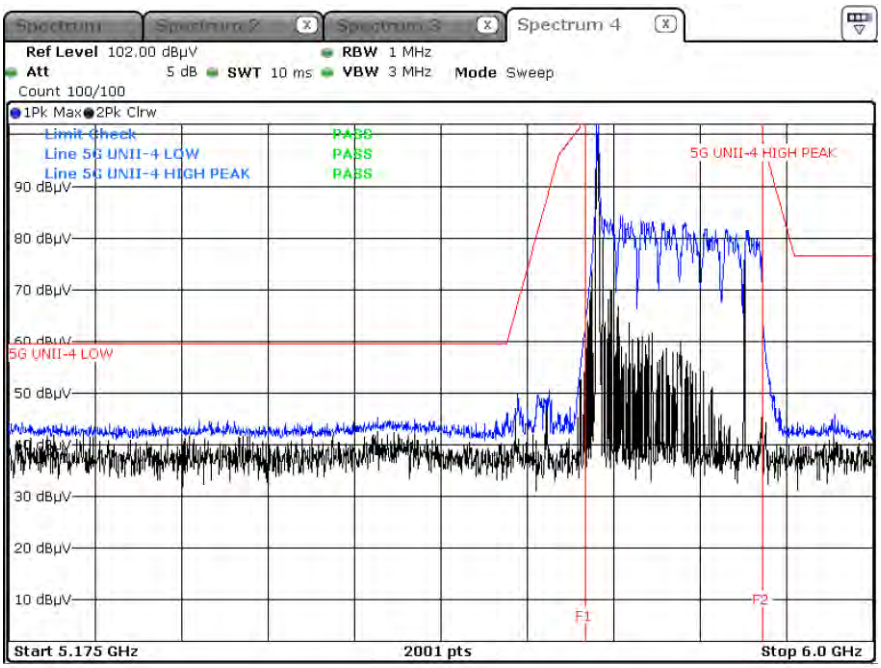
Peak result (802.11ax HE160(80L), Ch.163,106 Tones RU 53)



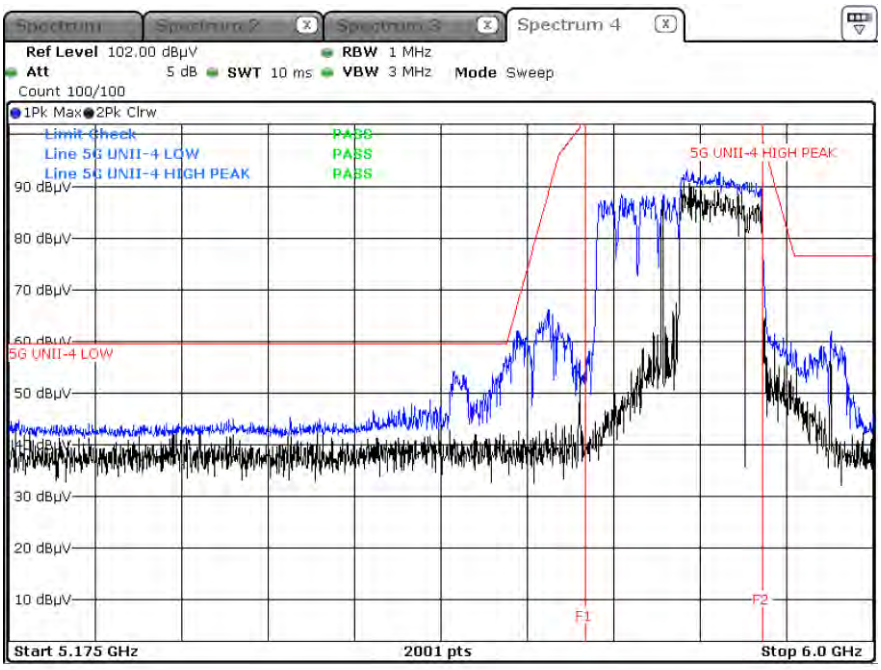
Peak result (802.11ax HE160(80L), Ch.163,52 Tones RU 37)



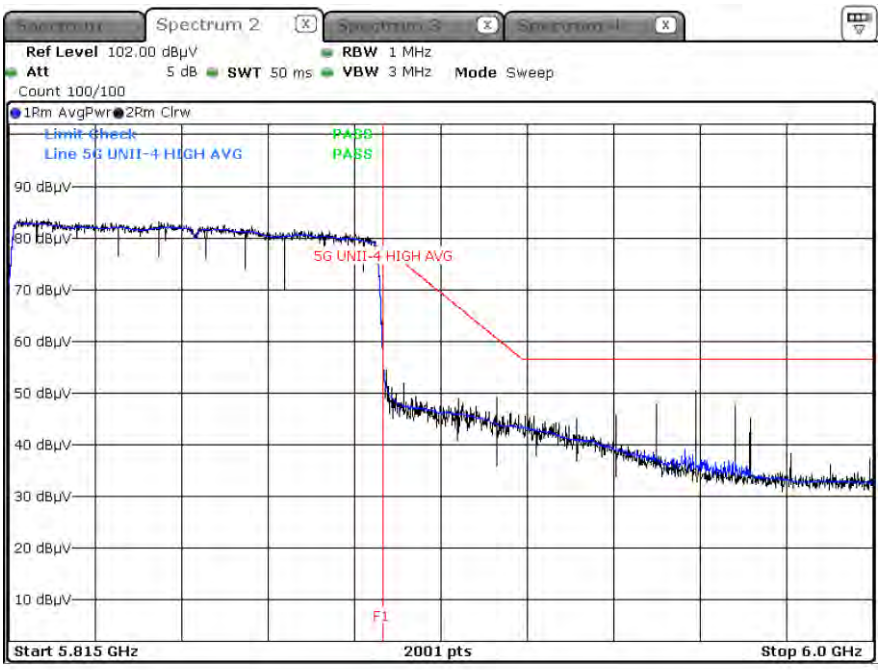
Peak result (802.11ax HE160(80L), Ch.163,26 Tones RU 0)



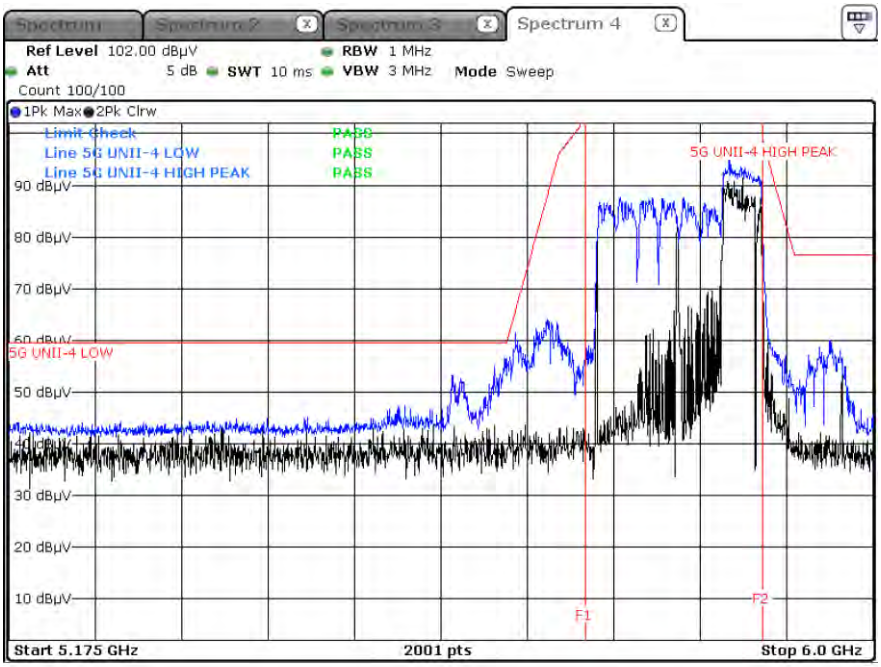
Peak result (802.11ax HE160(80U), Ch.163,996 Tones RU 67)



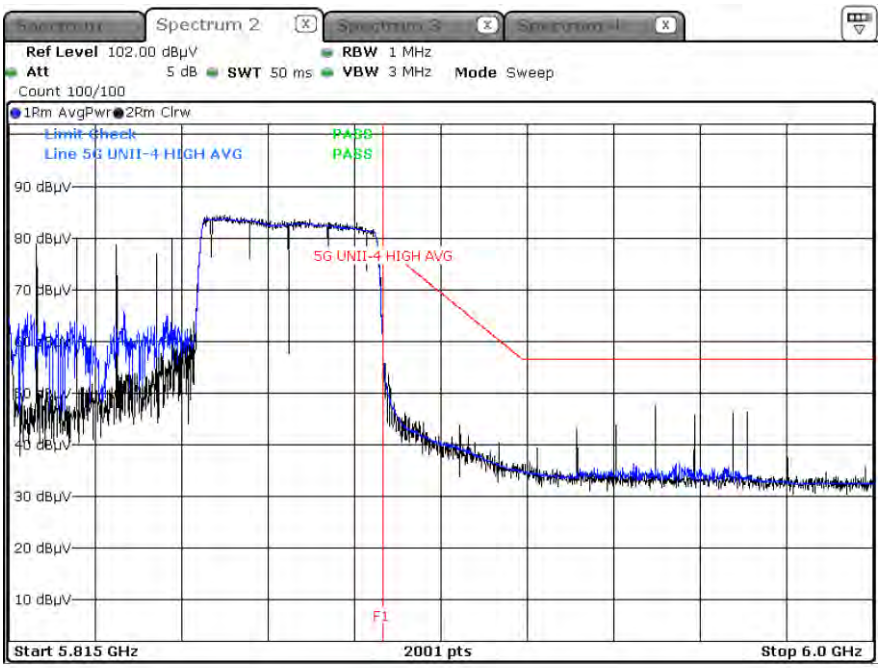
Average result (802.11ax HE160(80U), Ch.163,996 Tones RU 67)



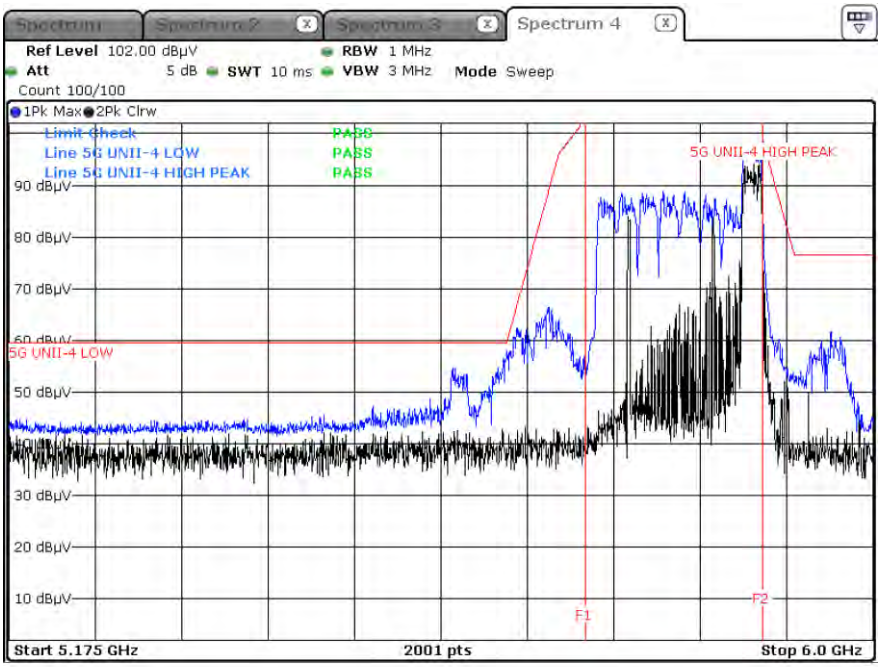
Peak result (802.11ax HE160(80U), Ch.163,484 Tones RU 66)



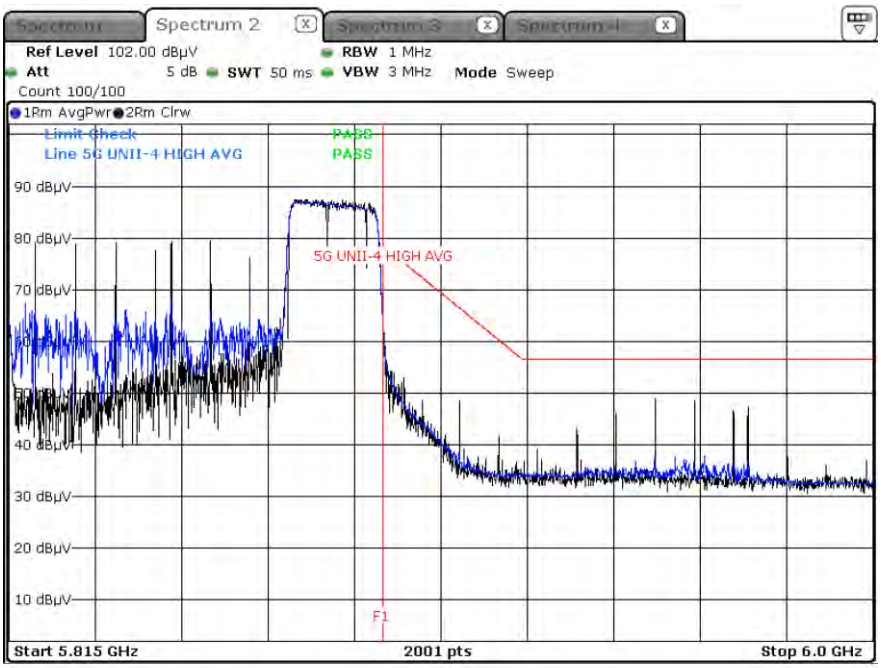
Average result (802.11ax HE160(80U), Ch.163,484 Tones RU 66)



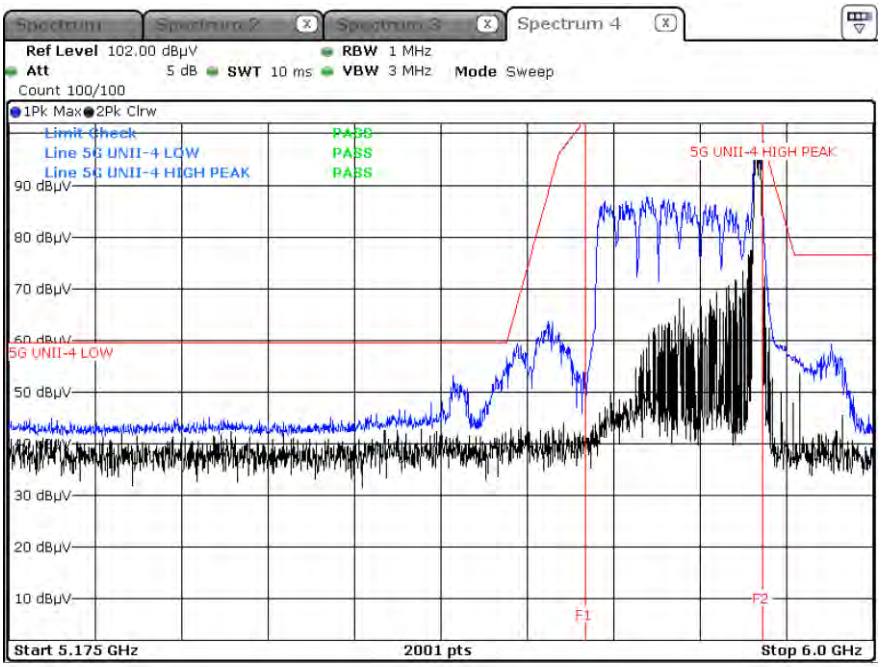
Peak result (802.11ax HE160(80U), Ch.163,242 Tones RU 64)



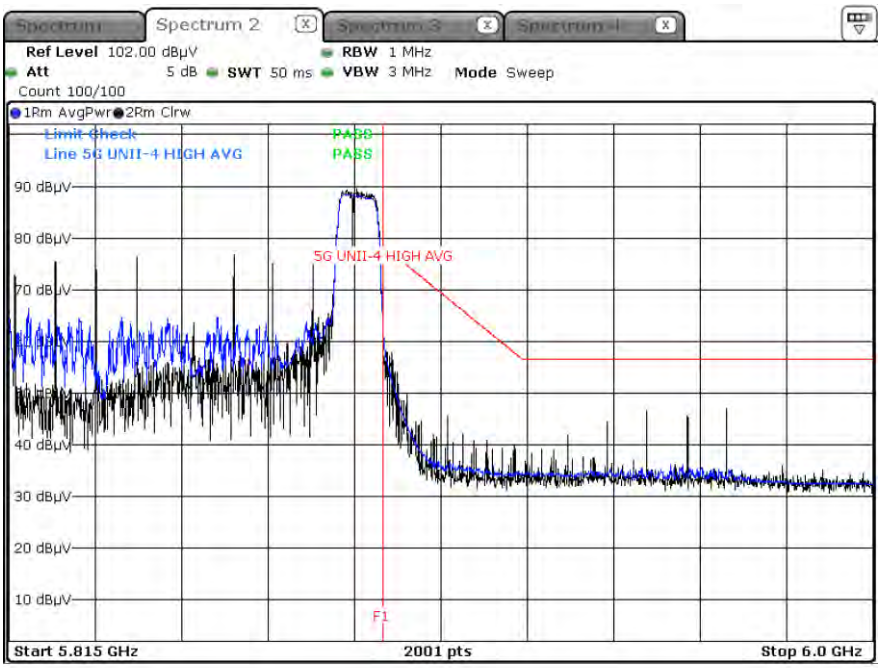
Average result (802.11ax HE160(80U), Ch.163,242 Tones RU 64)



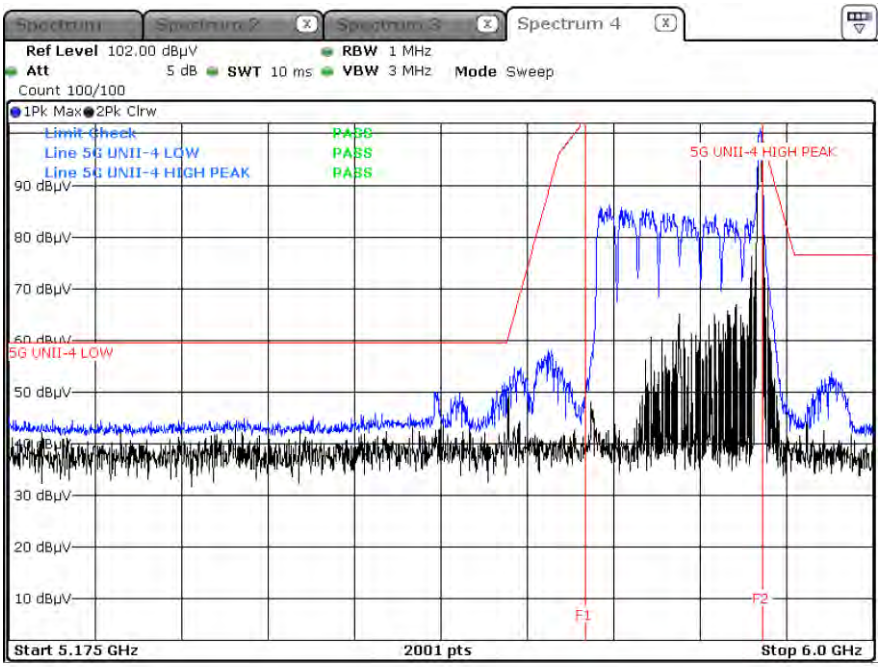
Peak result (802.11ax HE160(80U), Ch.163,106 Tones RU 60)



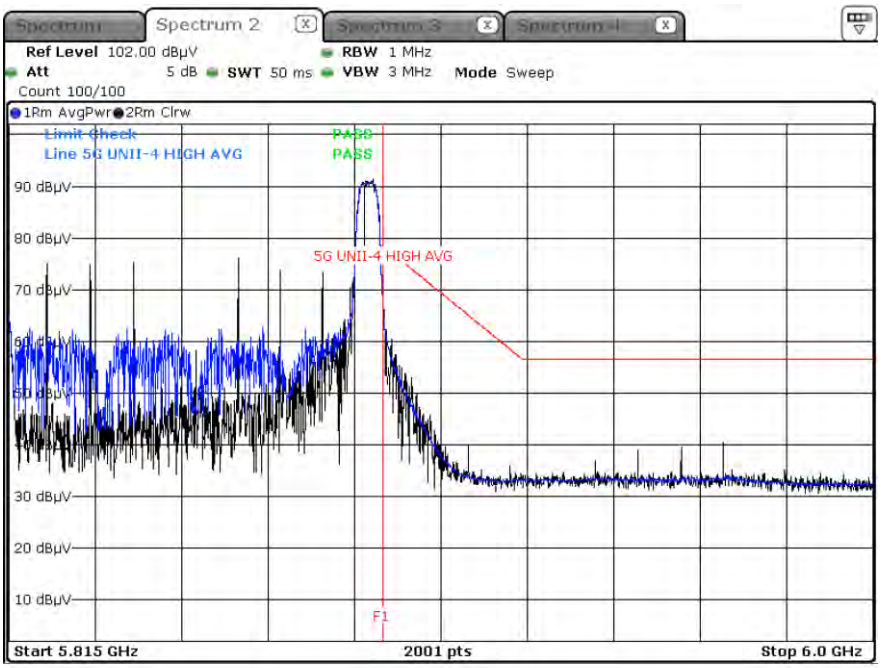
Average result (802.11ax HE160(80U), Ch.163,106 Tones RU 60)



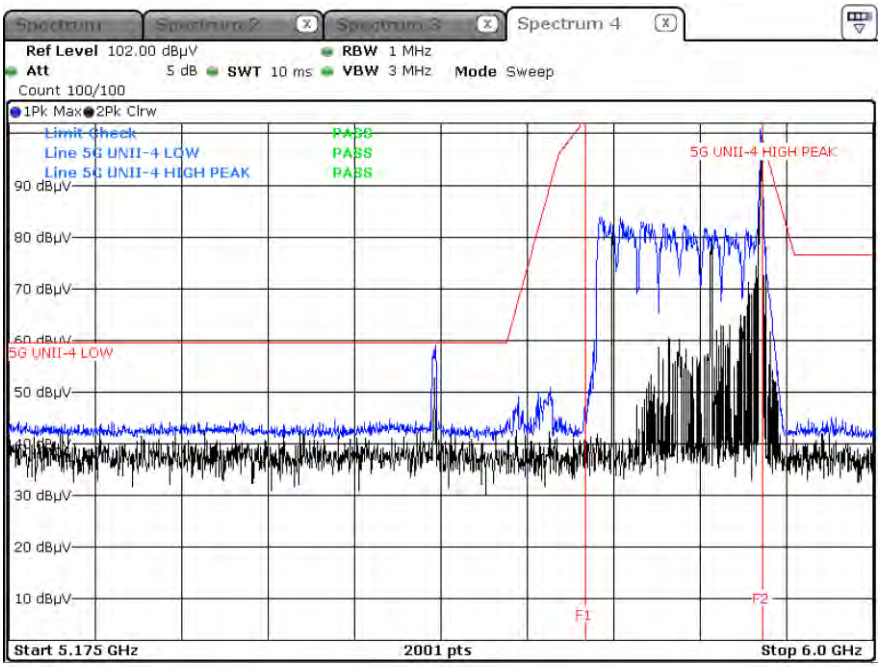
Peak result (802.11ax HE160(80U), Ch.163,52 Tones RU 52)



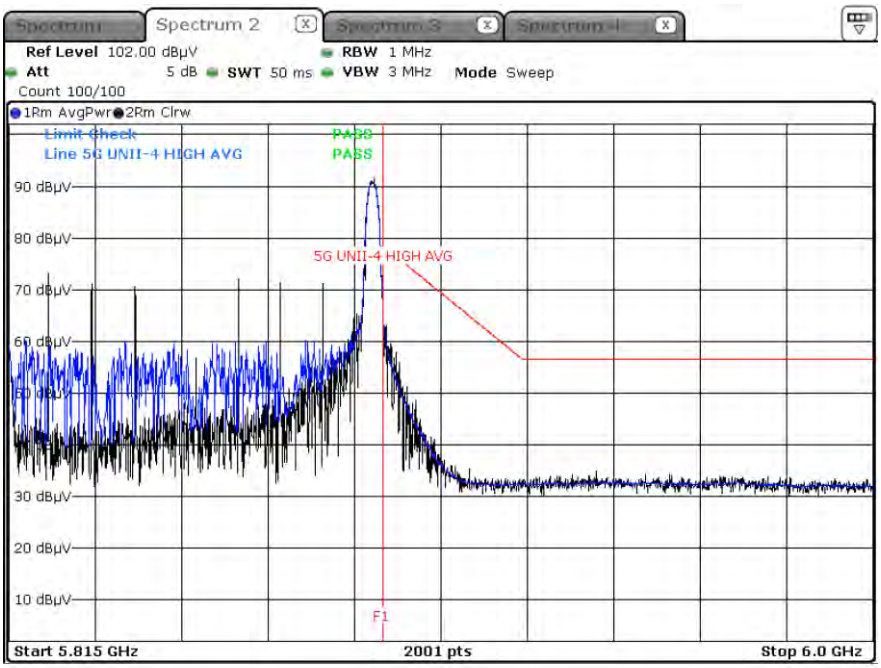
Average result (802.11ax HE160(80U), Ch.163,52 Tones RU 52)



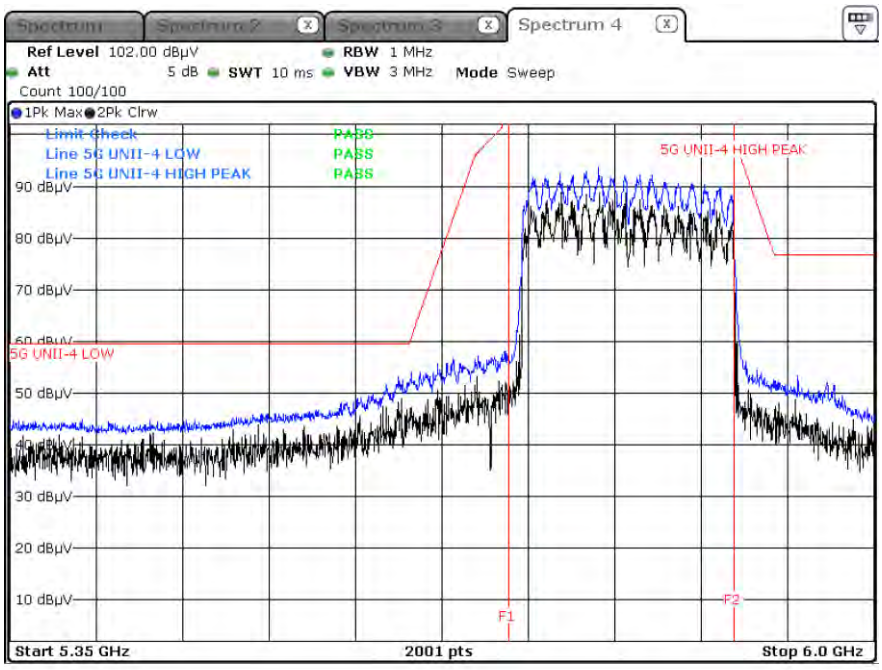
Peak result (802.11ax HE160(80U), Ch.163,26 Tones RU 36)



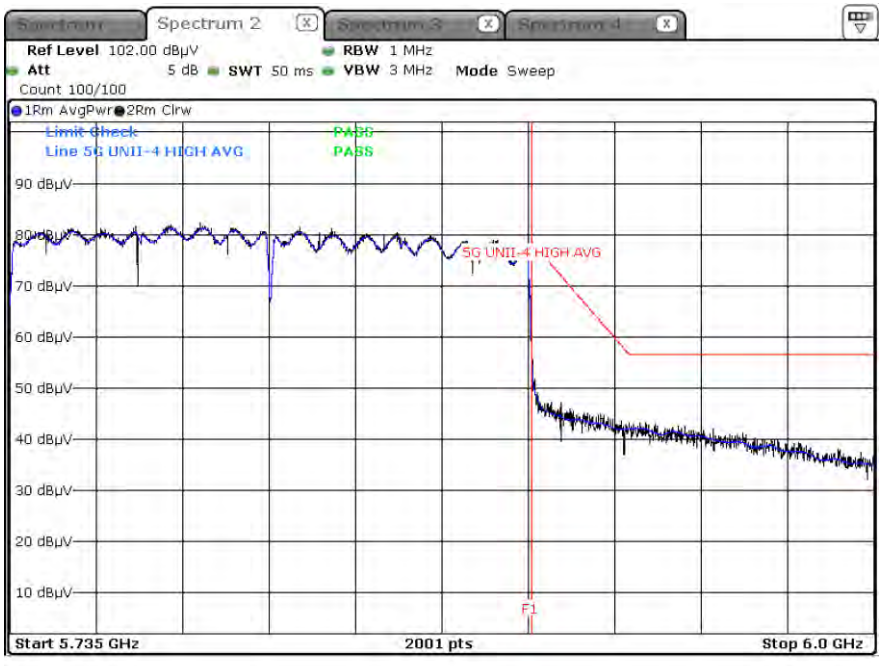
Average result (802.11ax HE160(80U), Ch.163,26 Tones RU 36)



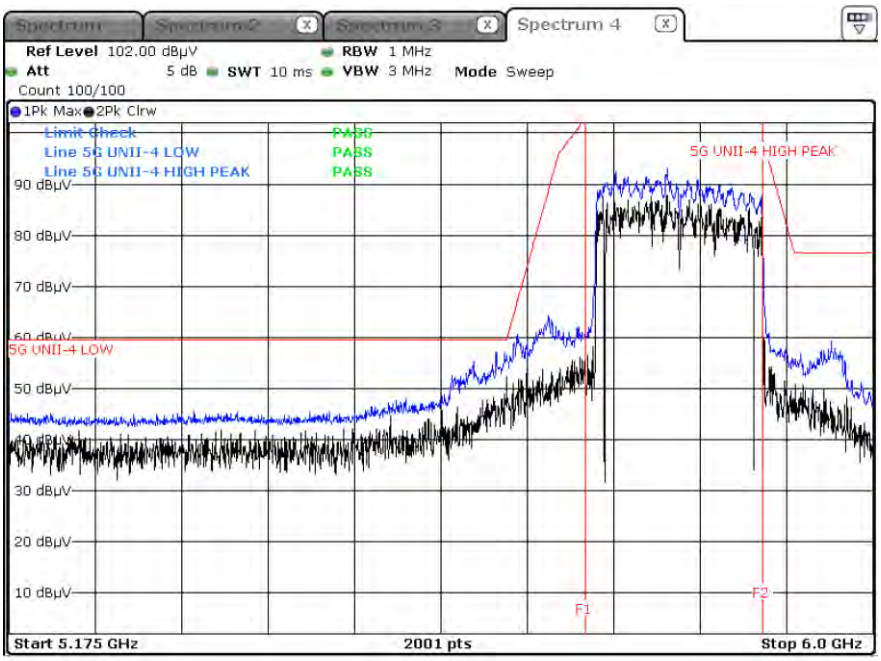
Peak result (802.11ax HE160(SU), Ch.163)



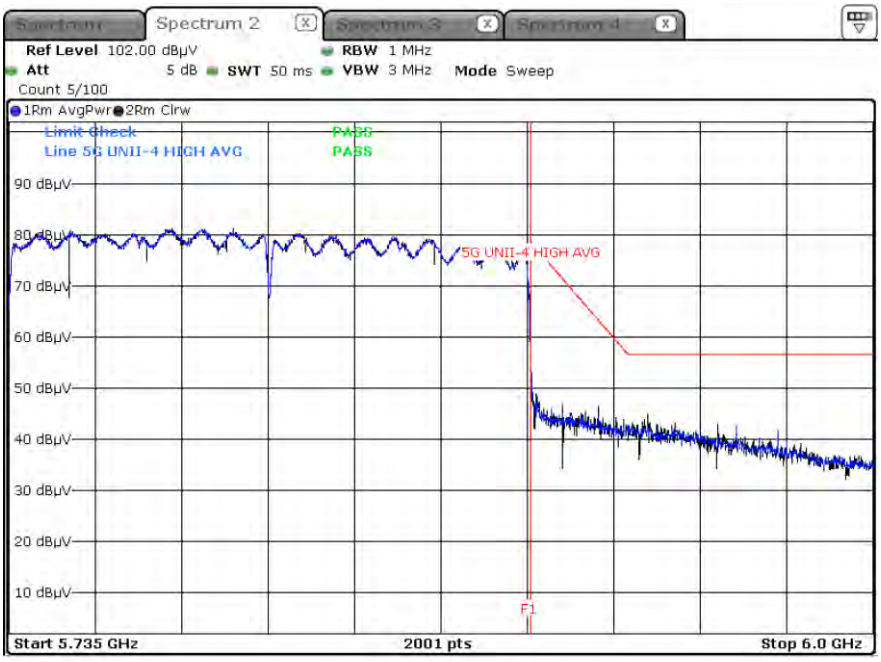
Average result (802.11ax HE160(SU), Ch.163)



Peak result (802.11ax HE160(996T x2), Ch.163)

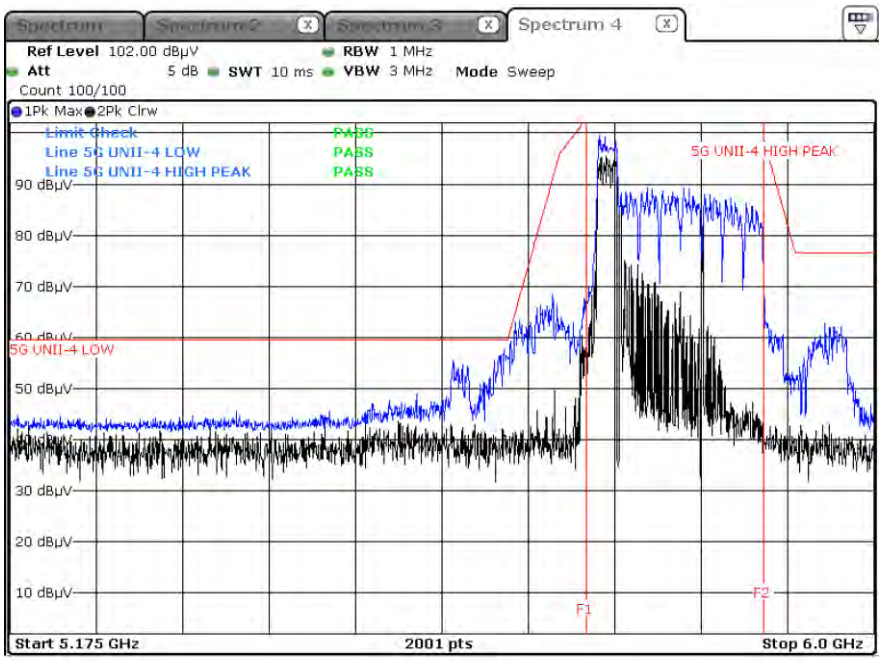


Average result (802.11ax HE160(996T x2), Ch.163)

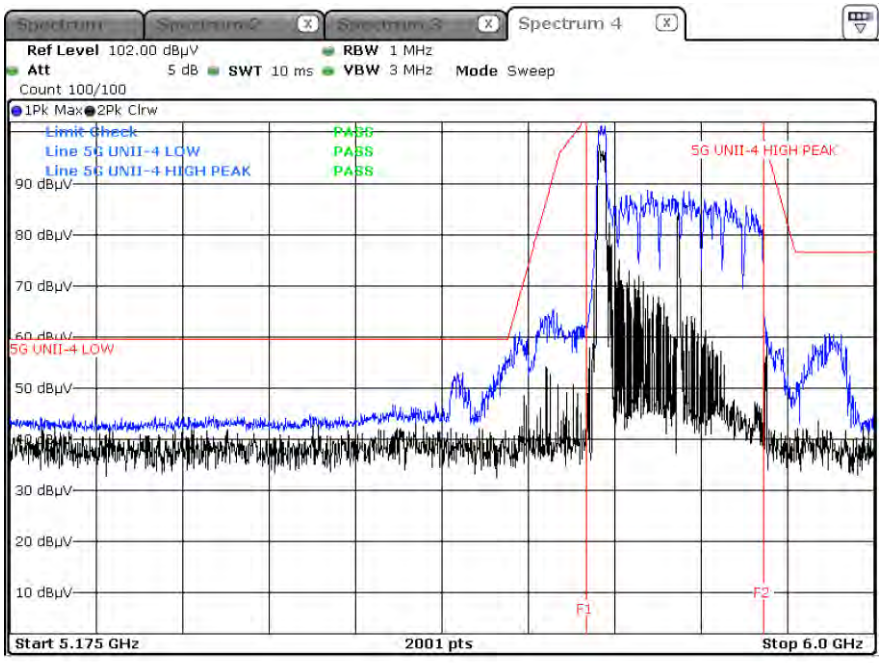


[Closed Mode]

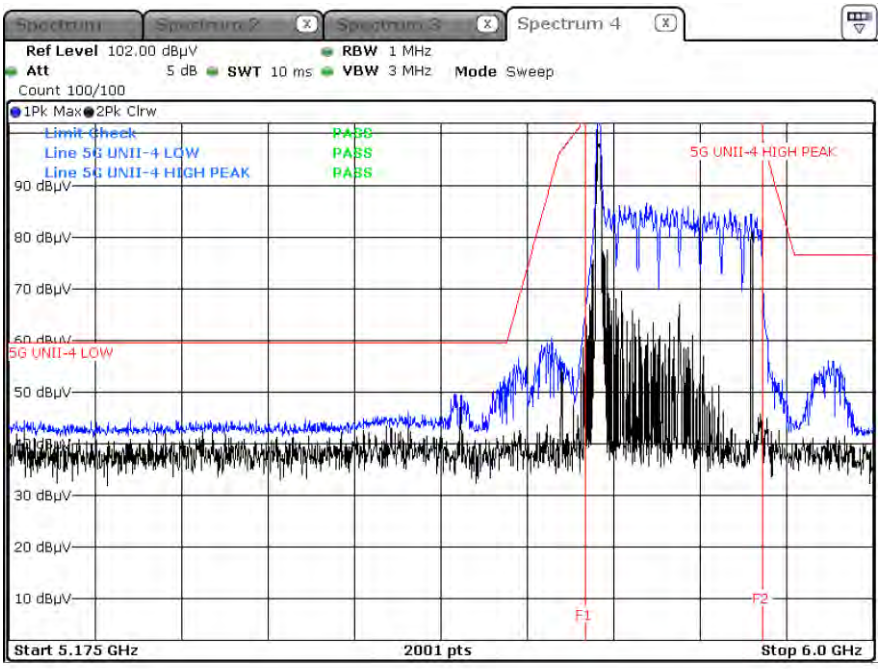
Peak result (802.11ax HE160(80L), Ch.163,242 Tones RU 61)



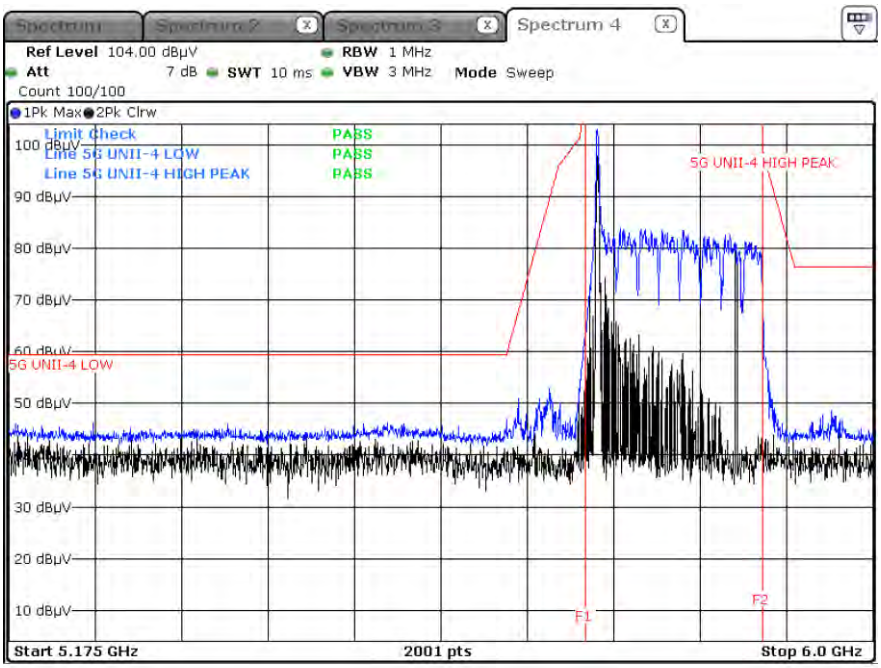
Peak result (802.11ax HE160(80L), Ch.163,106 Tones RU 53)



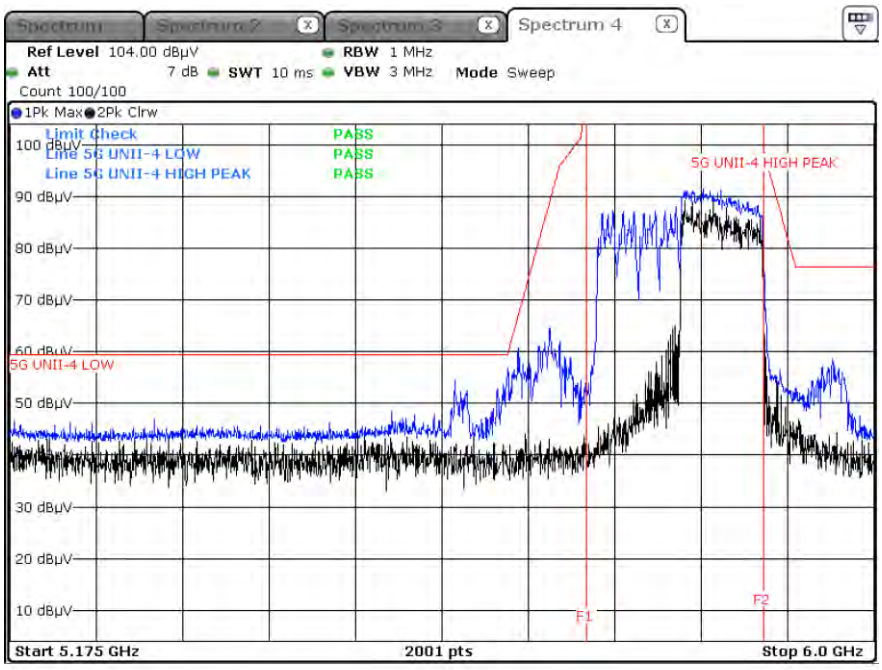
Peak result (802.11ax HE160(80L), Ch.163,52 Tones RU 37)



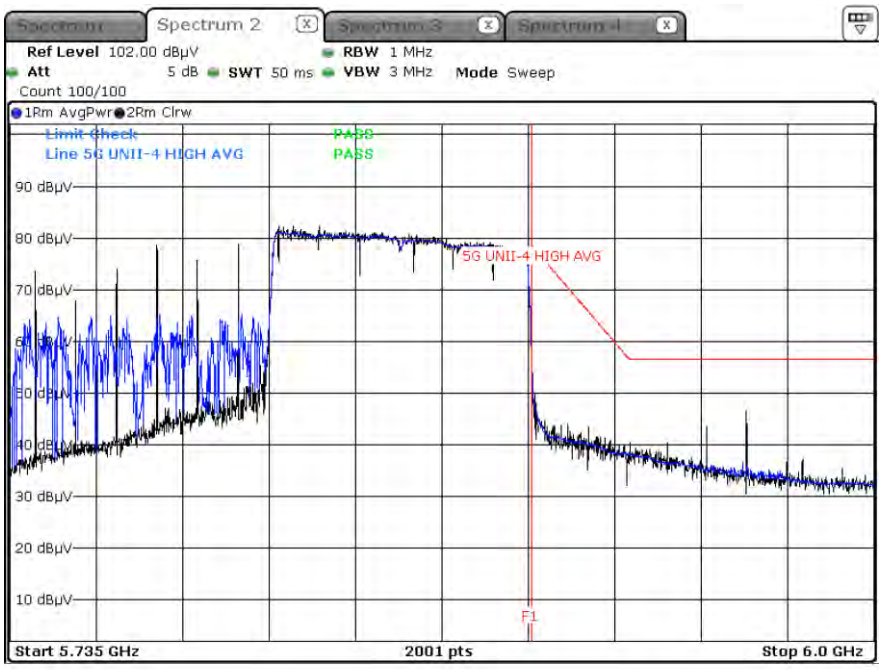
Peak result (802.11ax HE160(80L), Ch.163,26 Tones RU 0)



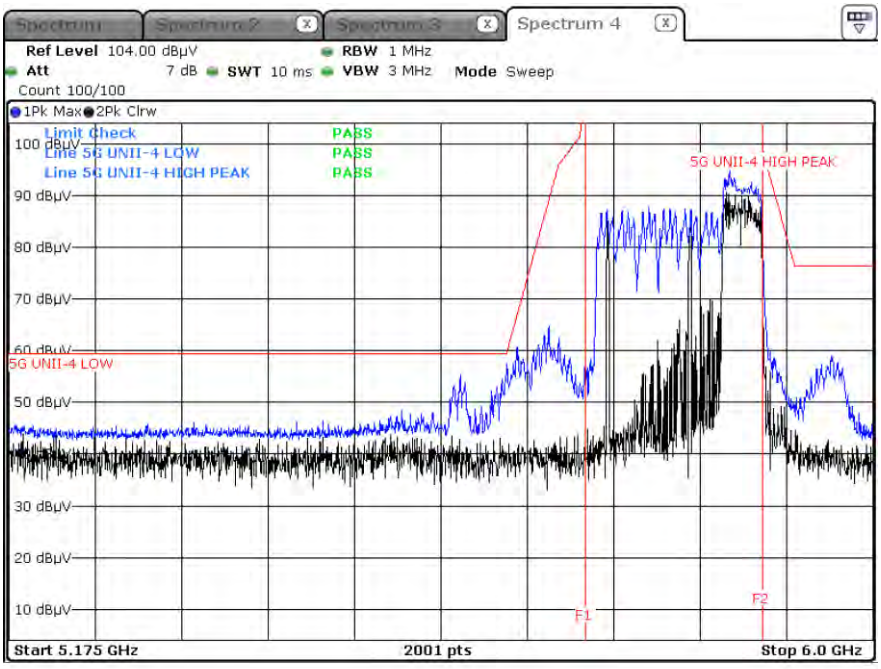
Peak result (802.11ax HE160(80U), Ch.163,996 Tones RU 67)



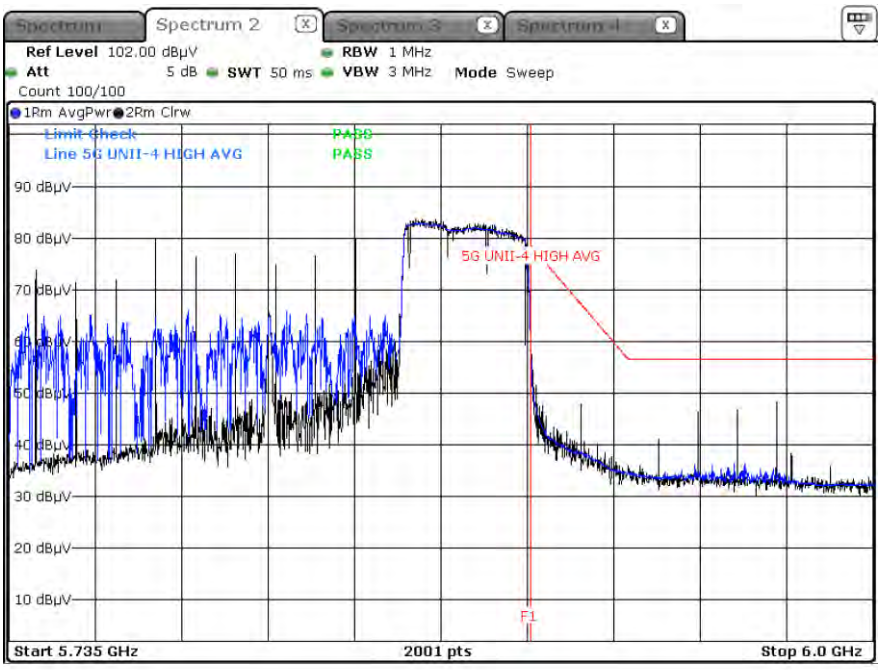
Average result (802.11ax HE160(80U), Ch.163,996 Tones RU 67)



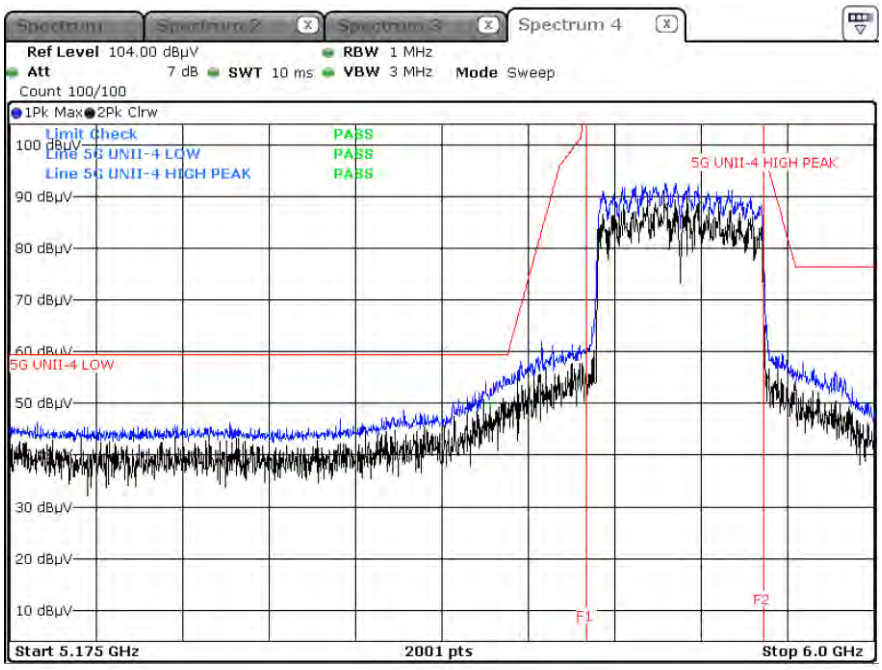
Peak result (802.11ax HE160(80U), Ch.163,484 Tones RU 66)



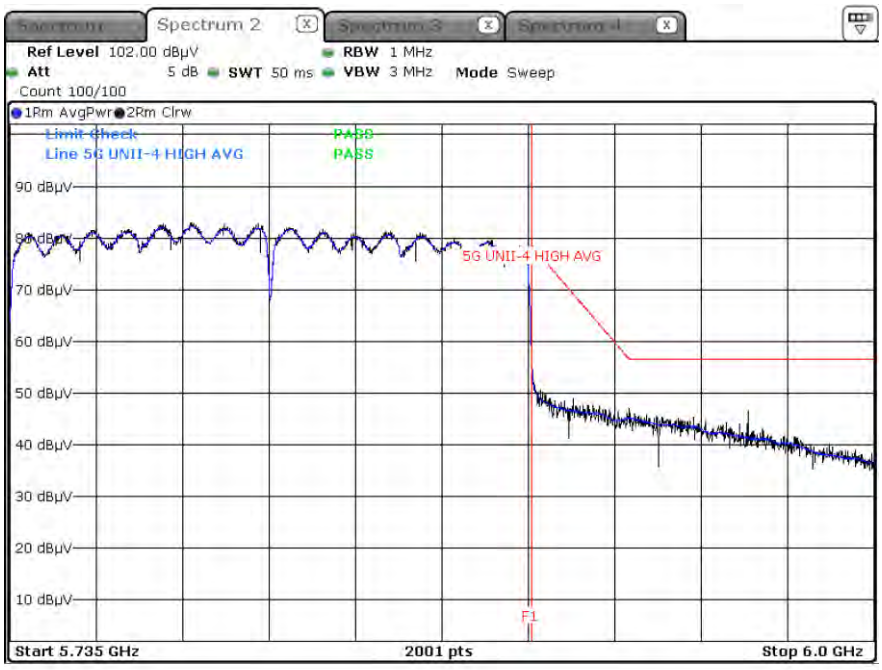
Average result (802.11ax HE160(80U), Ch.163,484 Tones RU 66)



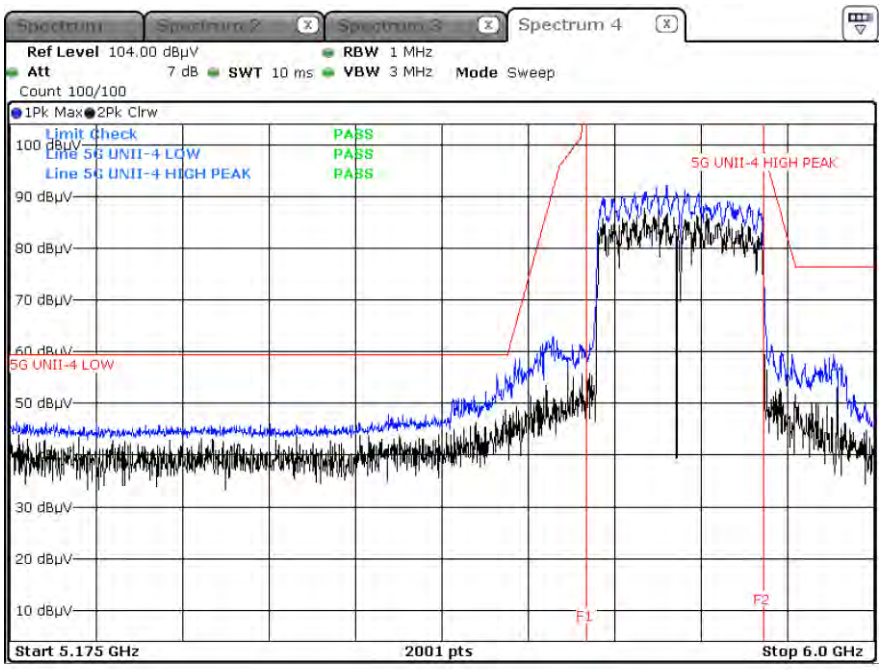
Peak result (802.11ax HE160(SU), Ch.163)



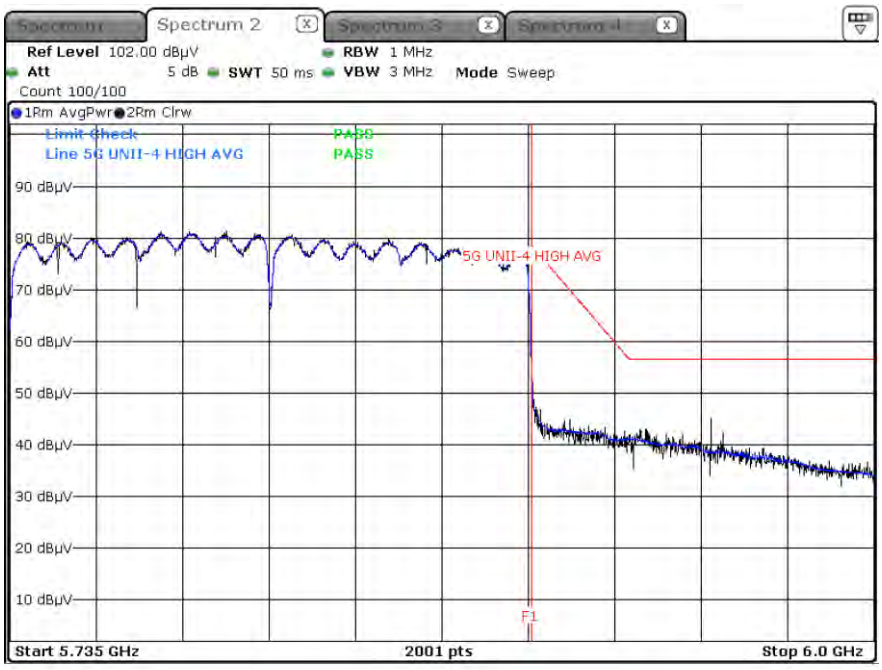
Average result (802.11ax HE160(SU), Ch.163)



Peak result (802.11ax HE160(996Tx2), Ch.163)

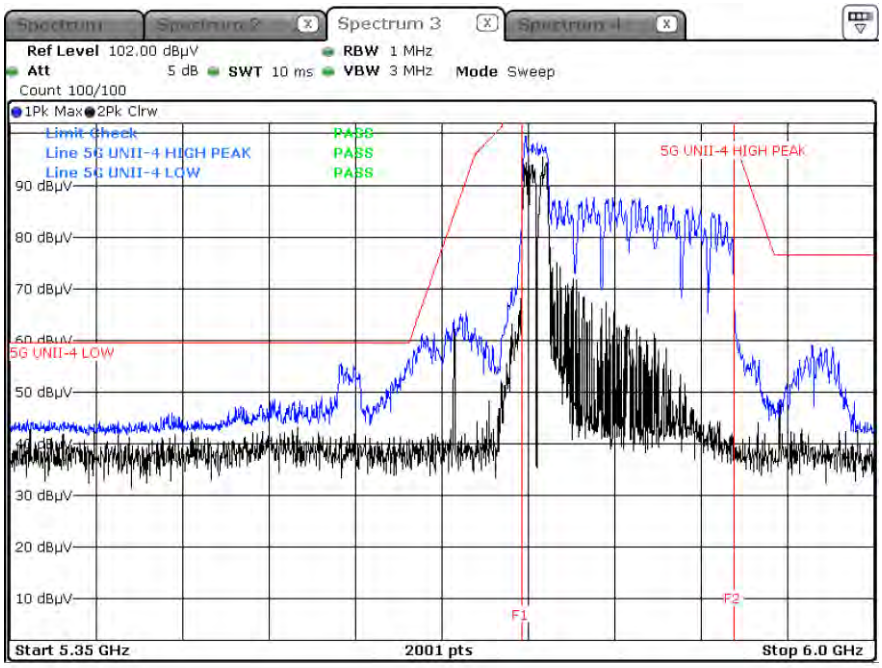


Average result (802.11ax HE160(996Tx2), Ch.163)

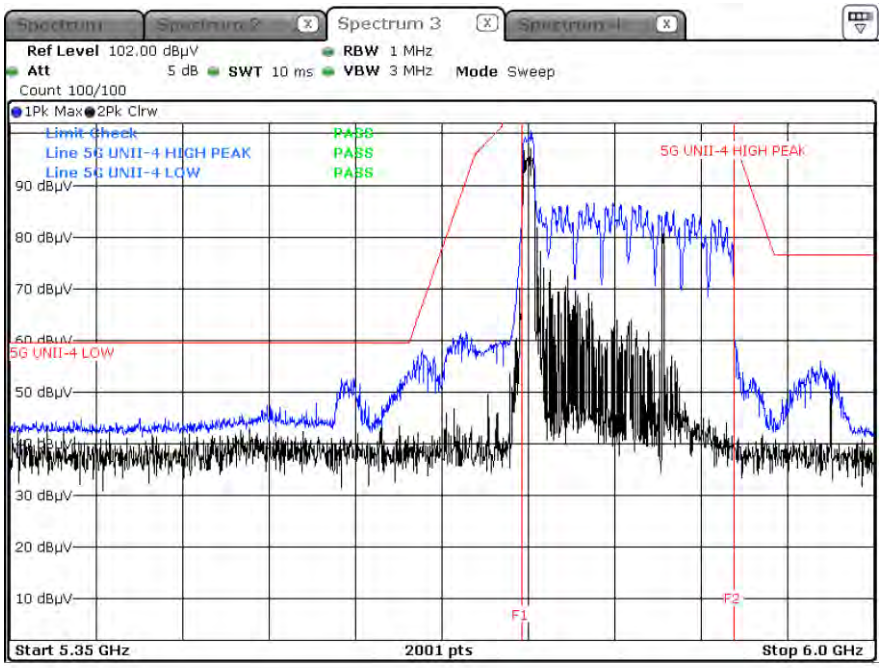


[Half Open Mode]

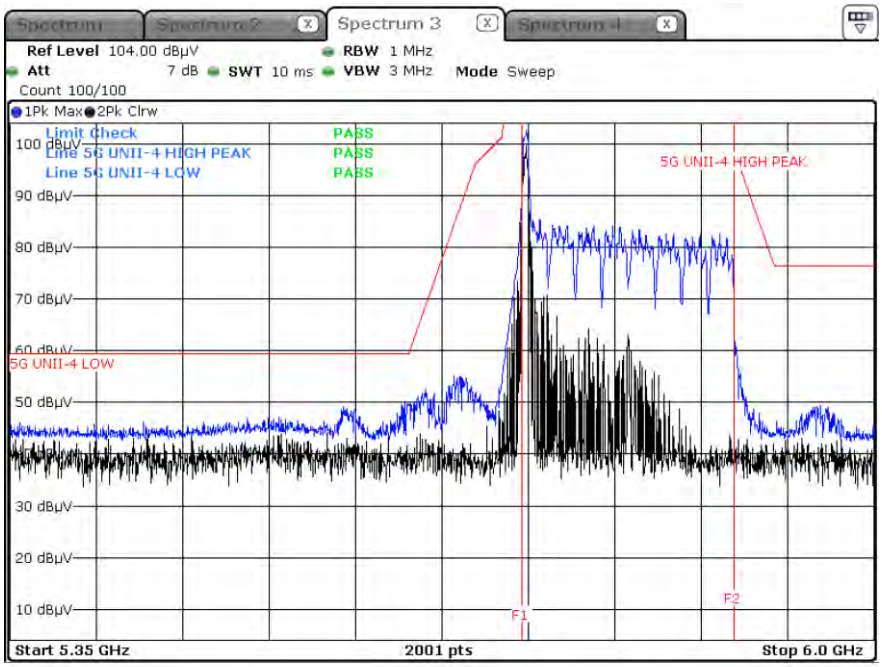
Peak result (802.11ax HE160(80L), Ch.163,242 Tones RU 61)



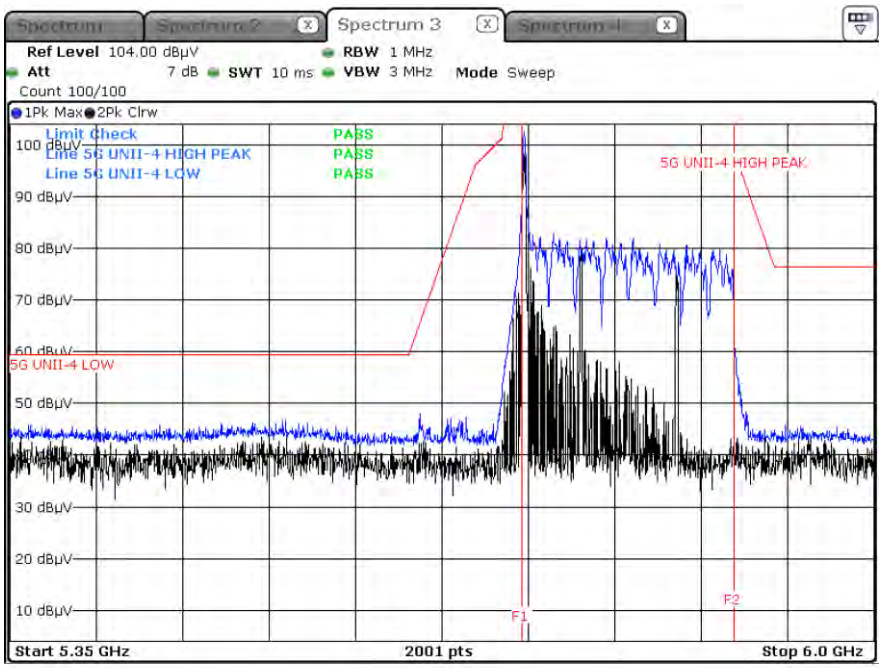
Peak result (802.11ax HE160(80L), Ch.163,106 Tones RU 53)



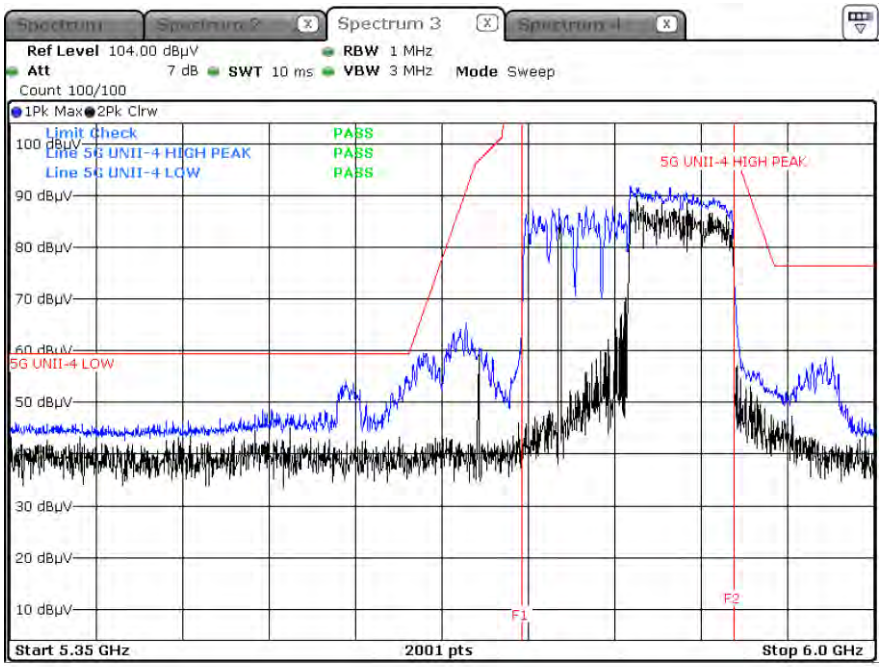
Peak result (802.11ax HE160(80L), Ch.163,52 Tones RU 37)



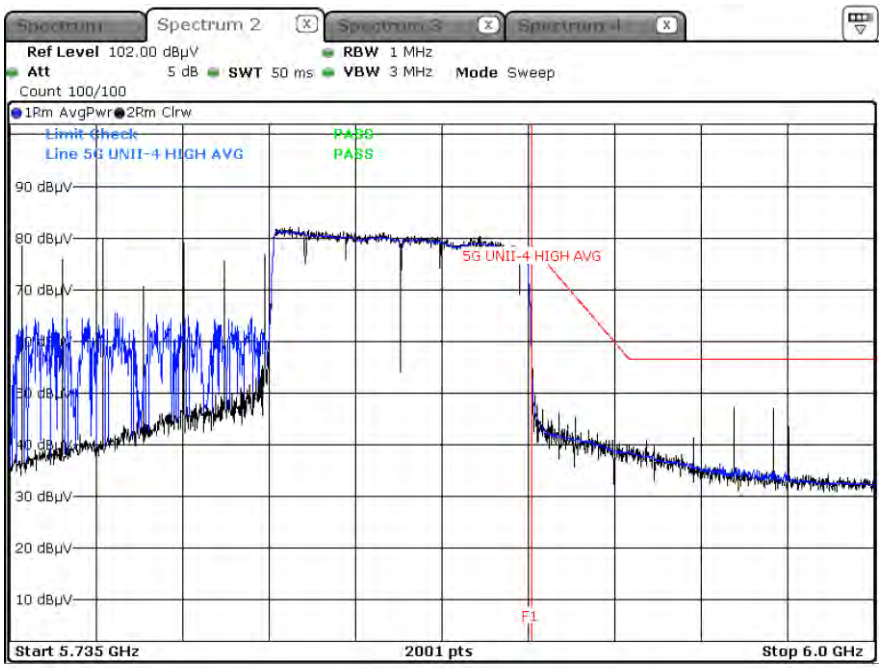
Peak result (802.11ax HE160(80L), Ch.163,26 Tones RU 0)



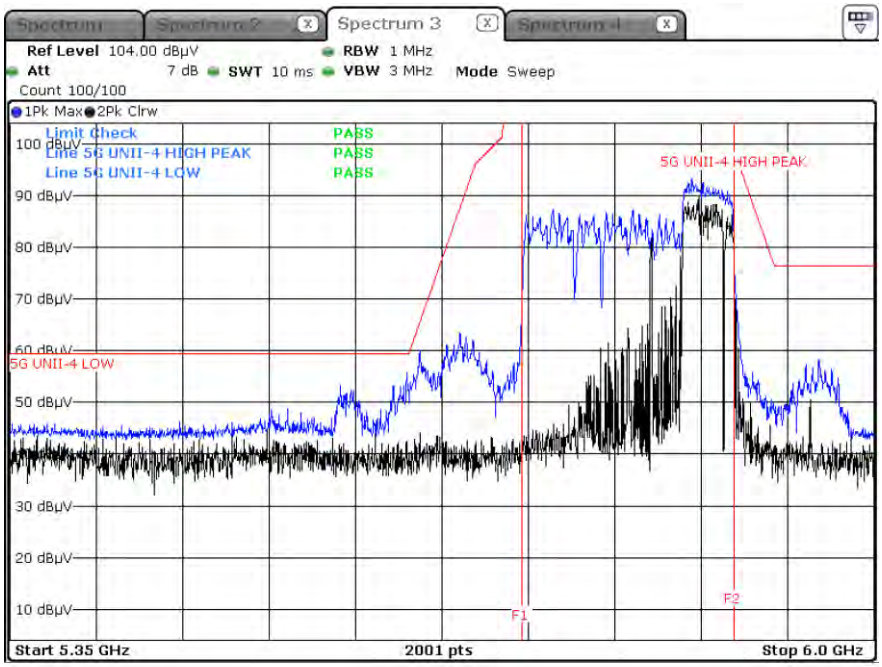
Peak result (802.11ax HE160(80U), Ch.163,996 Tones RU 67)



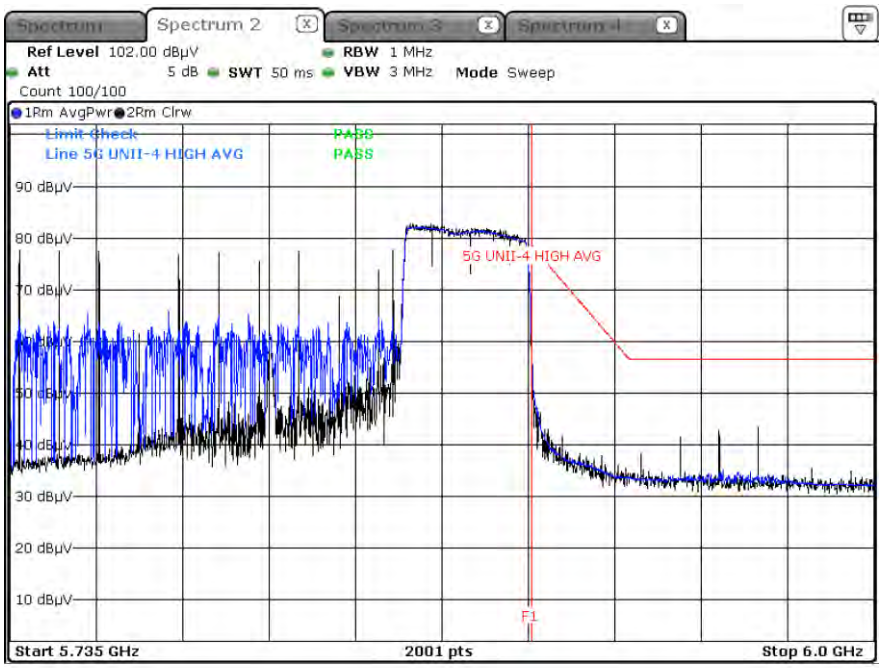
Average result (802.11ax HE160(80U), Ch.163,996 Tones RU 67)



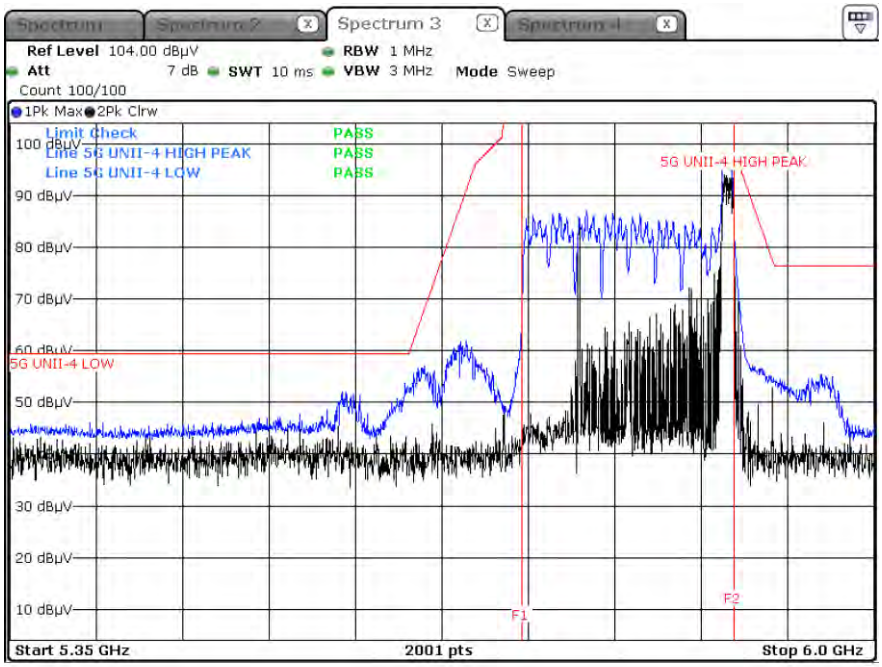
Peak result (802.11ax HE160(80U), Ch.163,484 Tones RU 66)



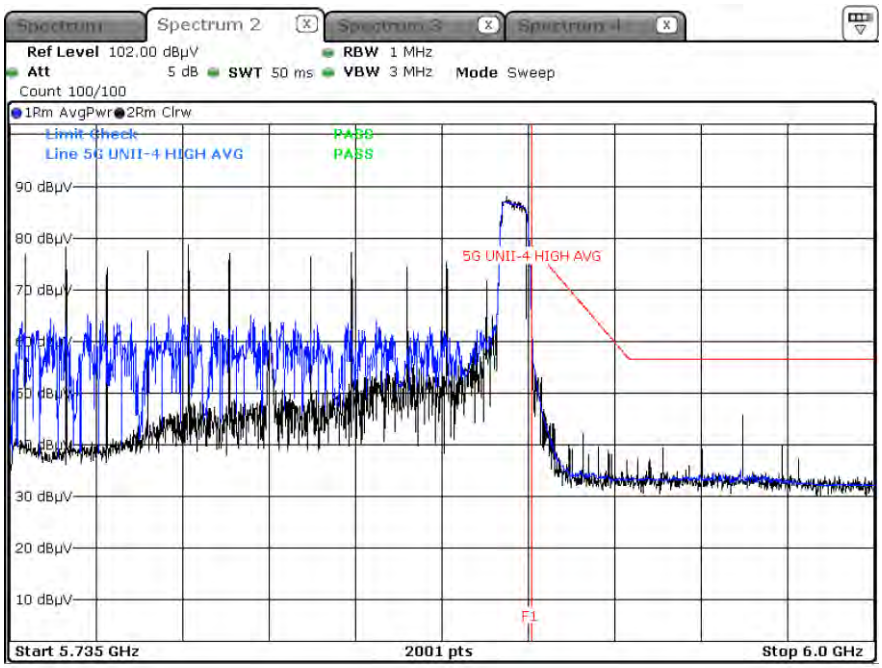
Average result (802.11ax HE160(80U), Ch.163,484 Tones RU 66)



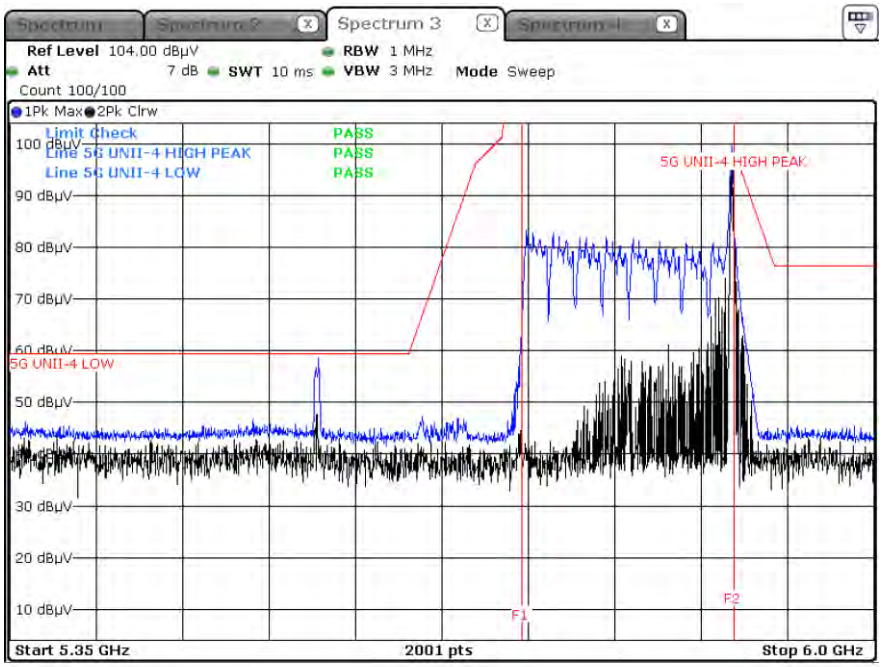
Peak result (802.11ax HE160(80U), Ch.163,106 Tones RU 60)



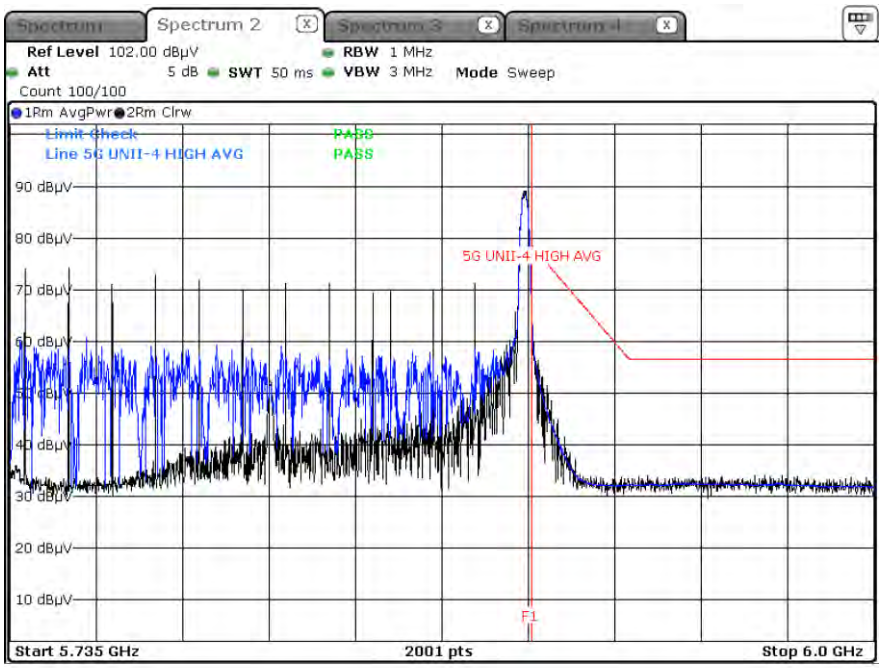
Average result (802.11ax HE160(80U), Ch.163,106 Tones RU 60)



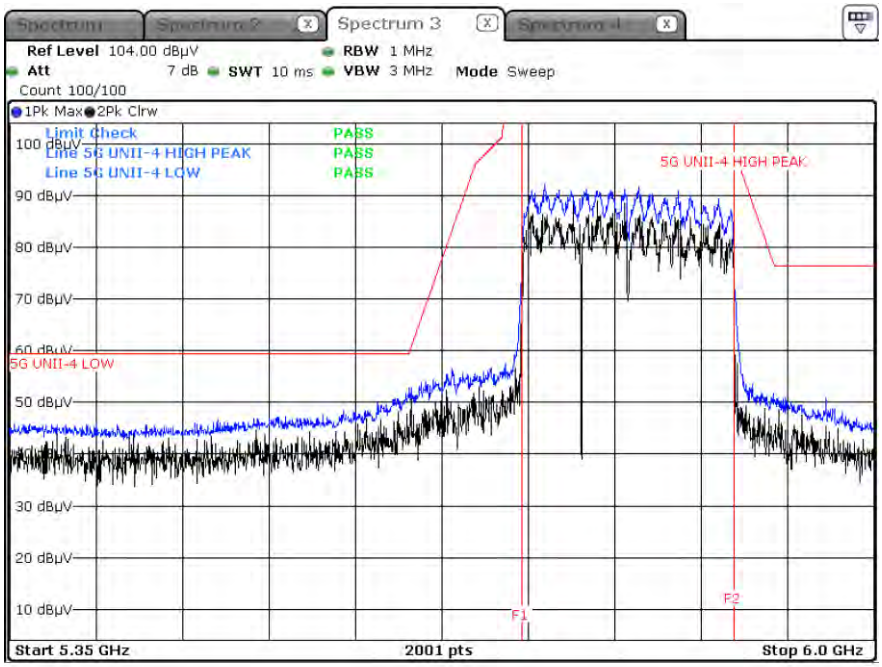
Peak result (802.11ax HE160(80U), Ch.163,26 Tones RU 36)



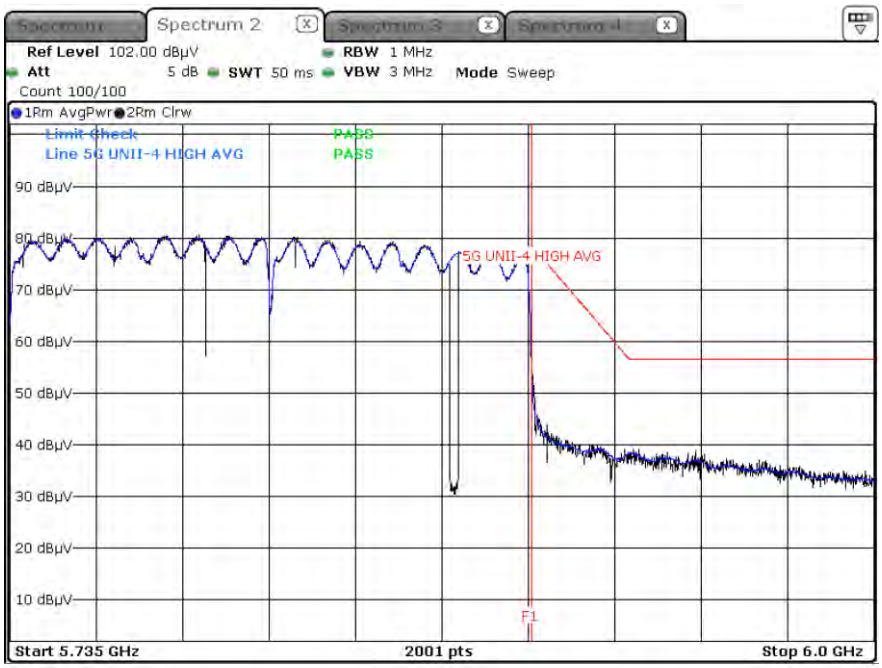
Average result (802.11ax HE160(80U), Ch.163,26 Tones RU 36)



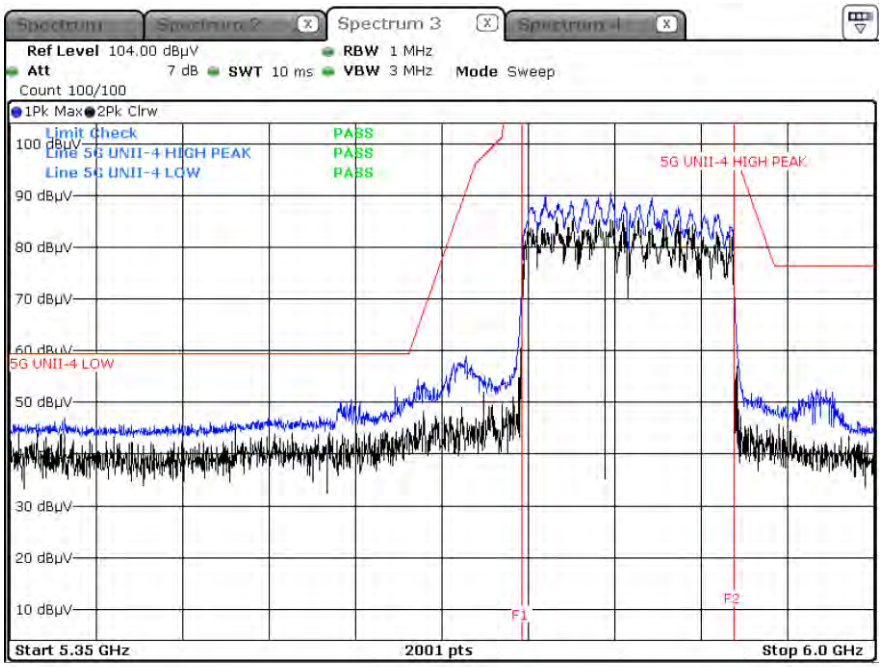
Peak result (802.11ax HE160(SU), Ch.163)



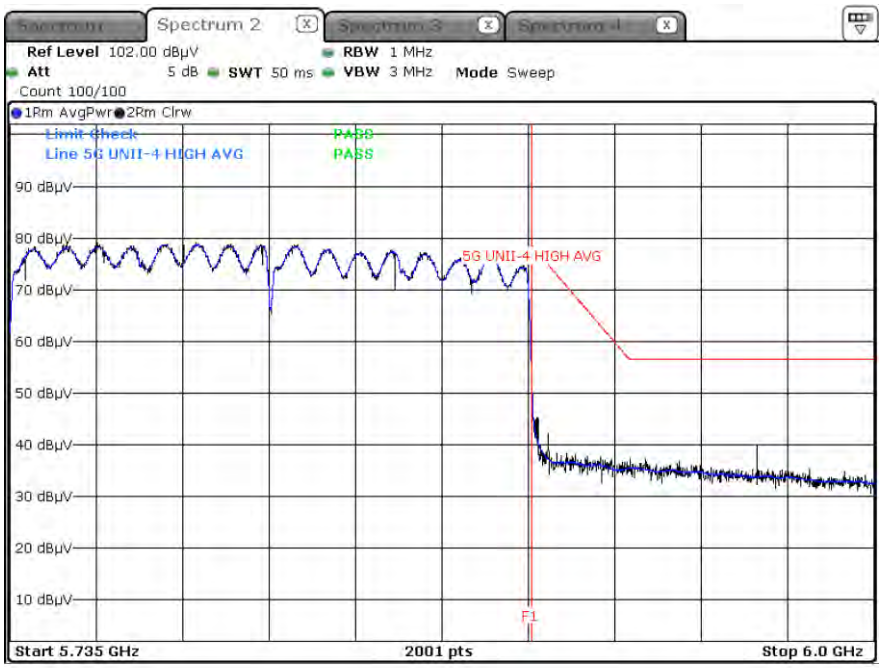
Average result (802.11ax HE160(SU), Ch.163)



Peak result (802.11ax HE160(996T x2), Ch.163)



Average result (802.11ax HE160(996T x2), Ch.163)



Note :

1. Only the worst case plots for U-NII-4 O.O.B.E
2. U-NII-4 Low & High O.O.B.E RedLine is Final Test Limit about factor value compensation.

11. LIST OF TESTEQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	08/22/2023	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	06/07/2023	Annual
Temperature Chamber	SU-642	ESPEC	0093008124	02/22/2024	Annual
Signal Analyzer	N9030A	Agilent	MY52350879	01/02/2024	Annual
Power Measurement Set	OSP 120	Rohde & Schwarz	101231	06/14/2023	Annual
Power Meter	N1911A	Agilent	MY45100523	03/06/2024	Annual
Power Sensor	N1921A	Agilent	MY57820067	03/06/2024	Annual
Directional Coupler	87300B	Agilent	3116A03621	11/02/2023	Annual
Power Splitter	11667B	Hewlett Packard	05001	04/19/2024	Annual
DC Power Supply	E3632A	H.P	KR75303243	04/24/2024	Annual
Attenuator(10 dB)	8493C	Hewlett Packard	07560	06/14/2023	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/17/2024	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	760	02/24/2025	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02299	03/24/2024	Biennial
Horn Antenna (15GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170342	09/29/2024	Biennial
Spectrum Analyzer	FSV40-N	Rohde & Schwarz	102168	07/04/2023	Annual
Signal Analyzer	N9030A	Agilent	MY52350879	01/02/2024	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/13/2023	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/13/2023	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/05/2024	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	02/09/2024	Annual
High Pass Filter	WHK3.0/18G-10EF	Wainwright Instruments	8	01/16/2024	Annual
High Pass Filter	WHKX8-6090-7000-18000-40SS	Wainwright Instruments	25	01/16/2024	Annual
Attenuator (3 dB)	18B-03	Api tech.	1	01/16/2024	Annual
Attenuator(10 dB)	8493C-10	Agilent	08285	01/16/2024	Annual
Power Amplifier	CBLU1183540	CERNEX	22964	01/16/2024	Annual
Power Amplifier	CBL06185030	CERNEX	22965	01/16/2024	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/01/2023	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/02/2024	Annual

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2305-FC056-P