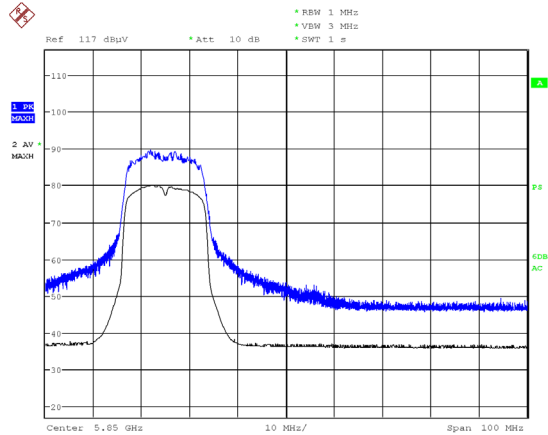
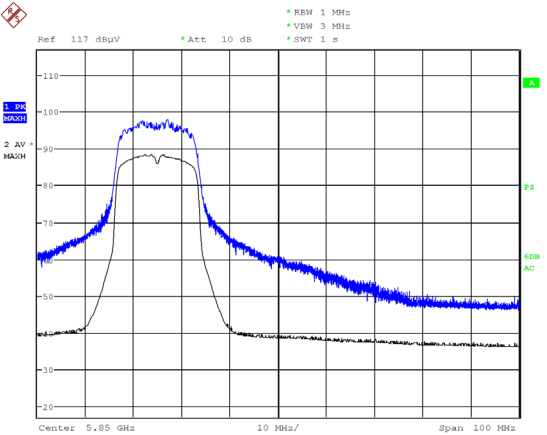


[802.11a/ 5825 MHz]
Horizontal



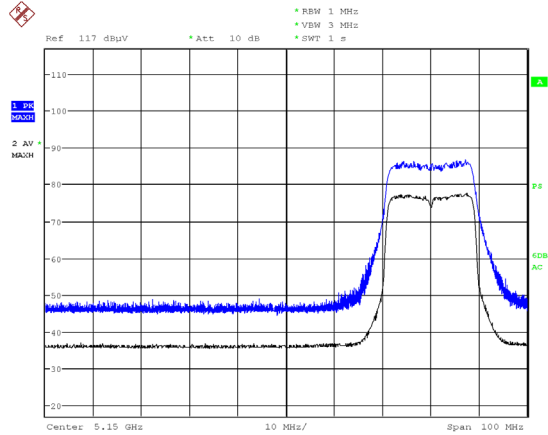
Date: 7.JUN.2019 01:02:24

Vertical



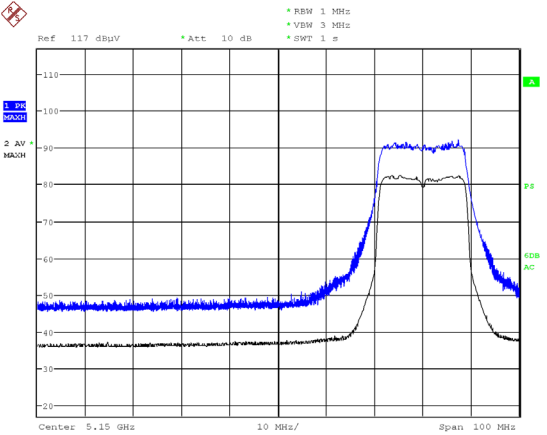
Date: 7.JUN.2019 00:58:41

[802.11ac (VHT20)/ 5180 MHz]
Horizontal



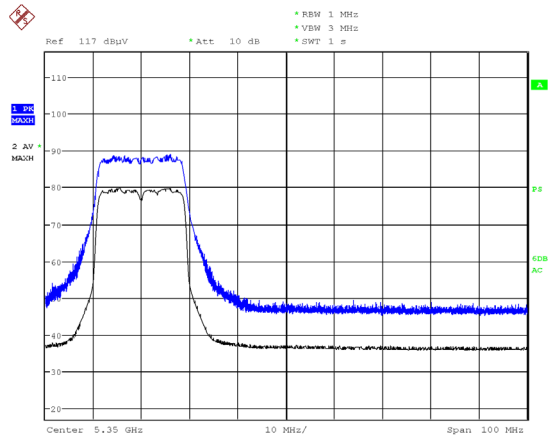
Date: 5.JUN.2019 23:41:19

Vertical



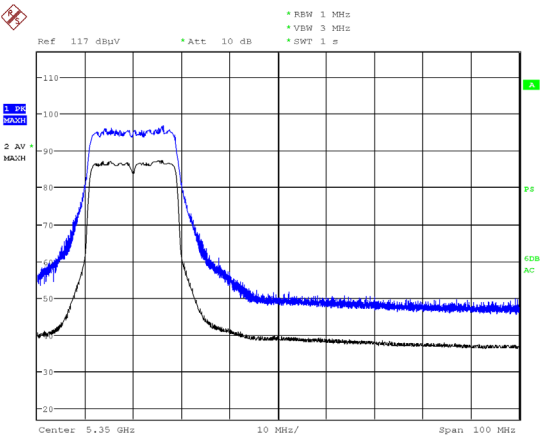
Date: 5.JUN.2019 23:48:09

[802.11ac (VHT20)/ 5320 MHz]
Horizontal



Date: 6.JUN.2019 00:38:11

Vertical



Date: 6.JUN.2019 00:44:59

Horizontal



Ref 117 dBuV • Att 10 dB • RBW 1 MHz
 • VSW 3 MHz • SWT 1 s

5.47 GHz

2 AV
 MAGN

Center 5.47 GHz 10 MHz/ Span 100 MHz

Date: 5 JUN 2019 15:46:15

Horizontal



Ref 117 dBuV * Att 10 dB * RBW 1 MHz
 * VSW 3 MHz * SWT 1 s

2 AV
 MAXH

Center 5.725 GHz 10 MHz/ Span 100 MHz

Date: 6-JUN-2019 16:21:08

Horizontal



Ref 117 dBuV Att 10 dB RBW 1 MHz VBW 3 MHz SWT 1 s

1. DC
2. AC

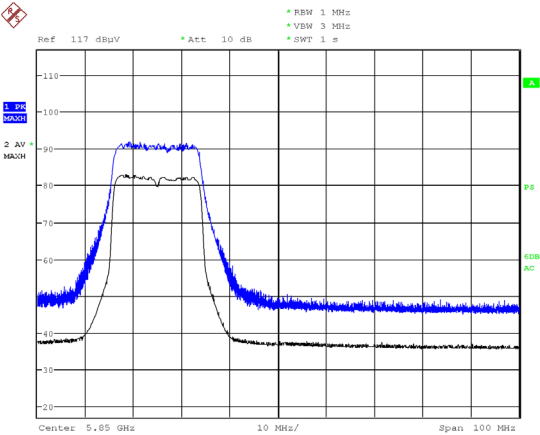
2 AV
MAXH

Center 5.725 GHz 10 MHz/ Span 100 MHz

Date: 13 JUN 2019 00:07:48

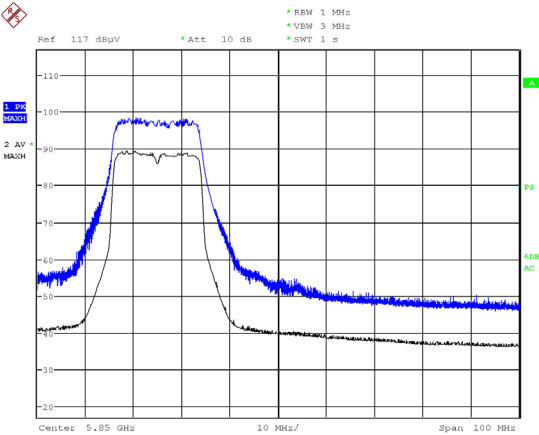
[802.11ac (VHT20)/ 5825 MHz]

Horizontal



Date: 13.JUN.2019 00:56:24

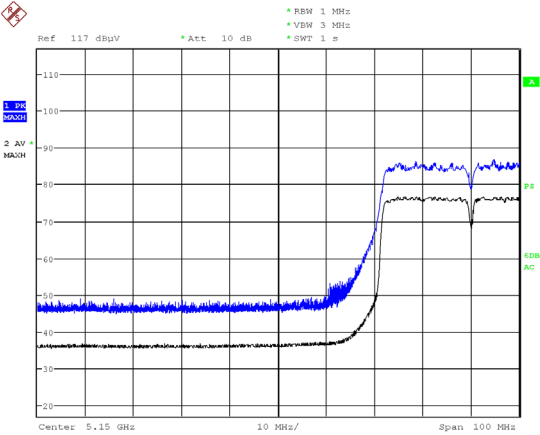
Vertical



Date: 13.JUN.2019 00:48:09

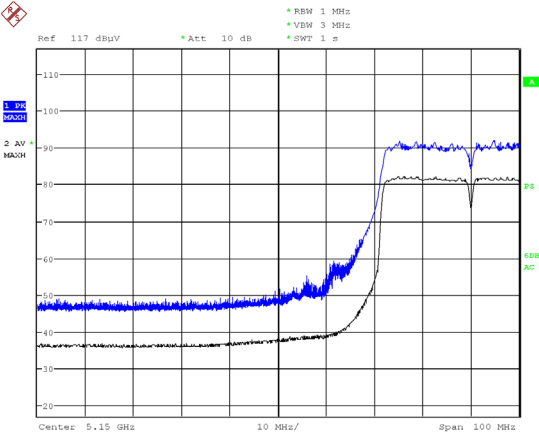
[802.11n (HT40)/ 5190 MHz]

Horizontal



Date: 5.JUN.2019 20:41:28

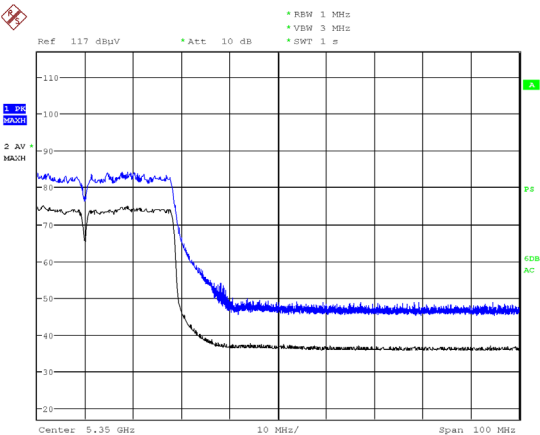
Vertical



Date: 5.JUN.2019 20:32:37

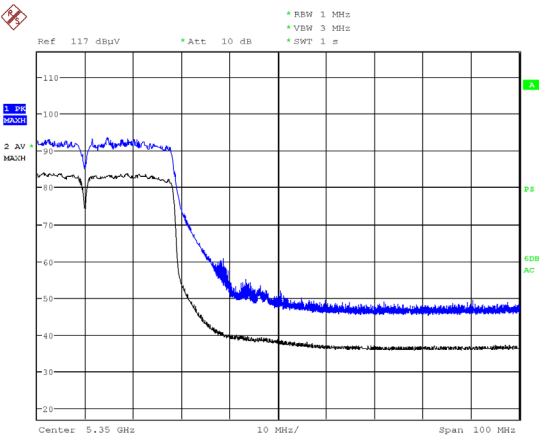
[802.11n (HT40)/ 5310 MHz]

Horizontal



Date: 5.JUN.2019 22:13:02

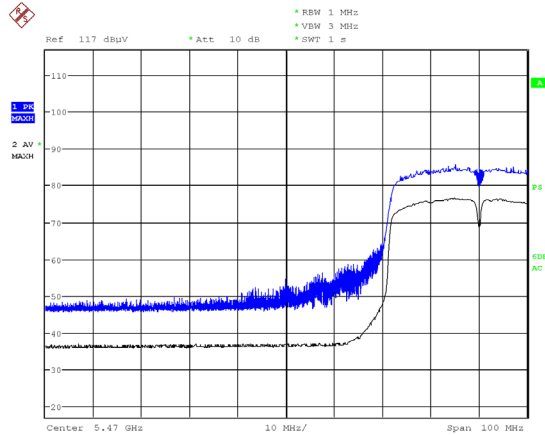
Vertical



Date: 5.JUN.2019 22:05:06

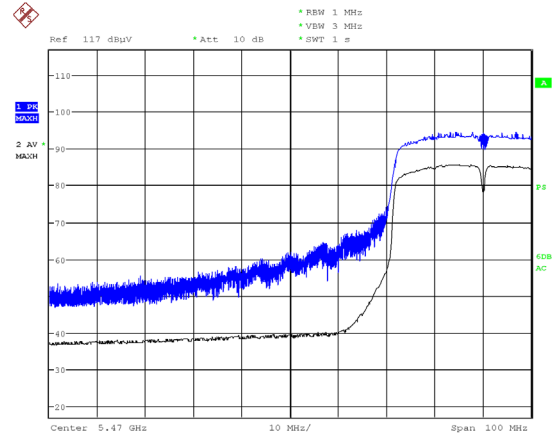
[802.11n (HT40)/ 5510 MHz]

Horizontal



Date: 6.JUN.2019 12:29:43

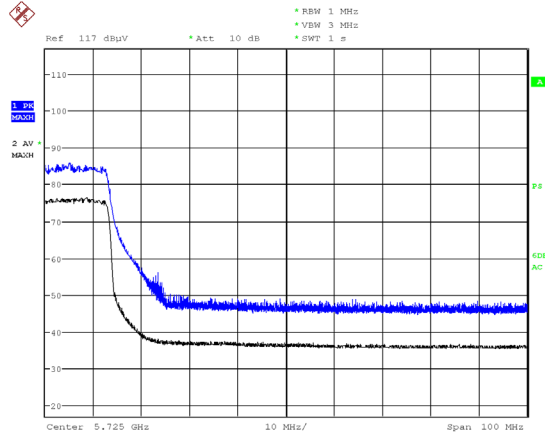
Vertical



Date: 6.JUN.2019 12:23:11

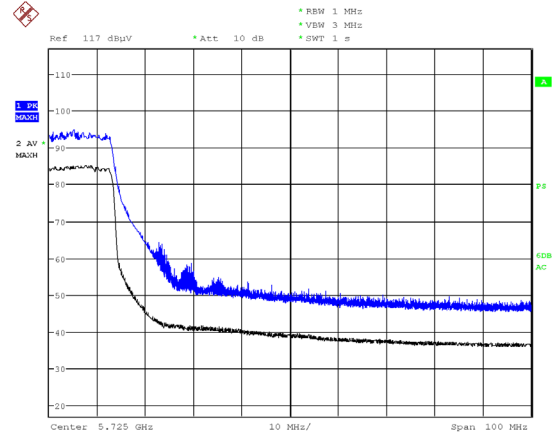
[802.11n (HT40)/ 5670 MHz]

Horizontal



Date: 6.JUN.2019 15:20:39

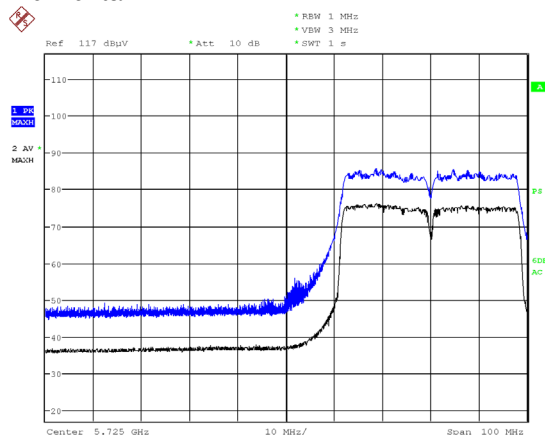
Vertical



Date: 6.JUN.2019 15:25:05

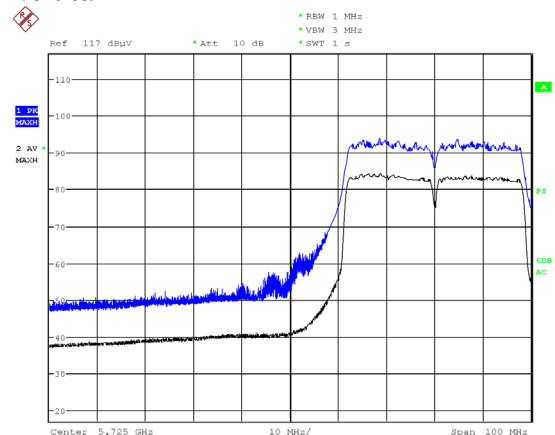
[802.11n (HT40)/ 5755 MHz]

Horizontal



Date: 7.JUN.2019 01:32:59

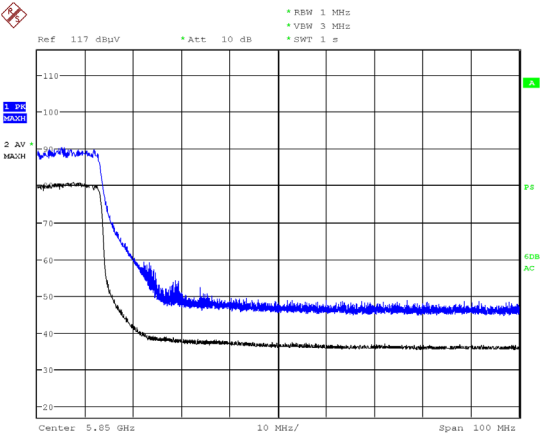
Vertical



Date: 7.JUN.2019 01:37:58

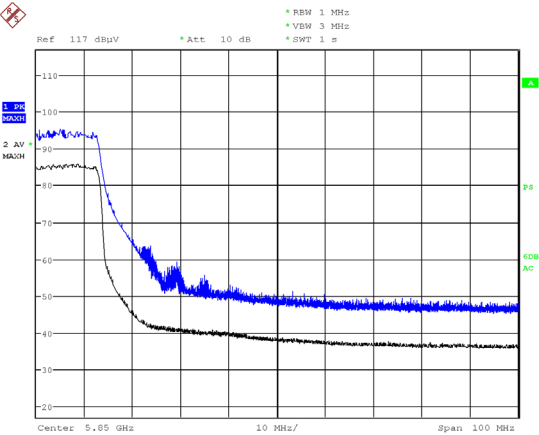
[802.11n (HT40)/ 5795 MHz]

Horizontal



Date: 26.JUN.2019 12:44:14

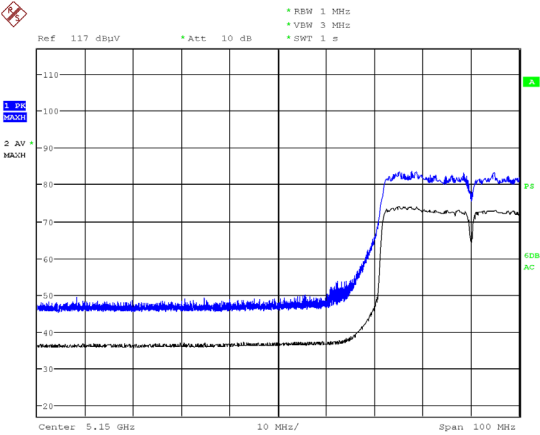
Vertical



Date: 26.JUN.2019 12:48:12

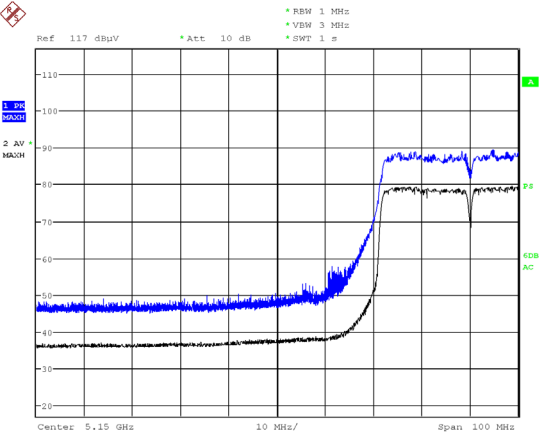
[802.11ac (VHT40)/ 5190 MHz]

Horizontal



Date: 6.JUN.2019 01:17:42

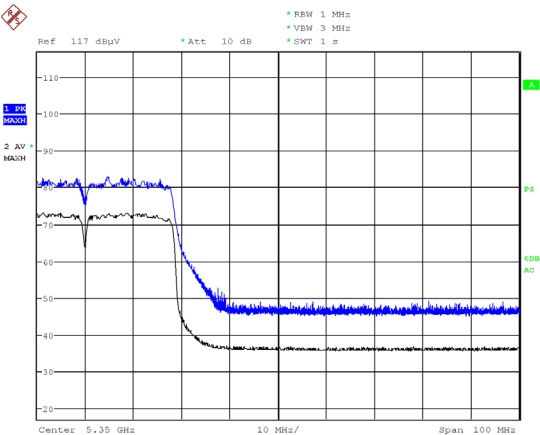
Vertical



Date: 6.JUN.2019 01:10:44

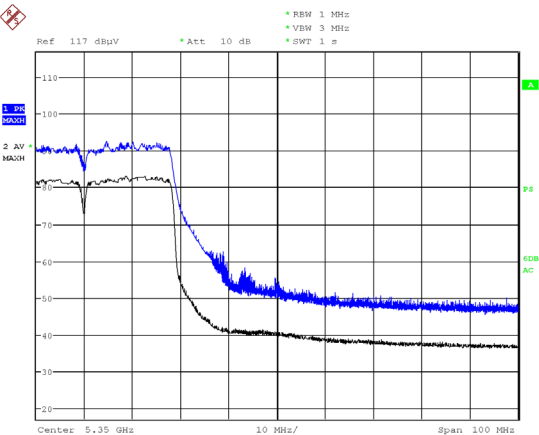
[802.11ac (VHT40)/ 5310 MHz]

Horizontal



Date: 6.JUN.2019 03:12:26

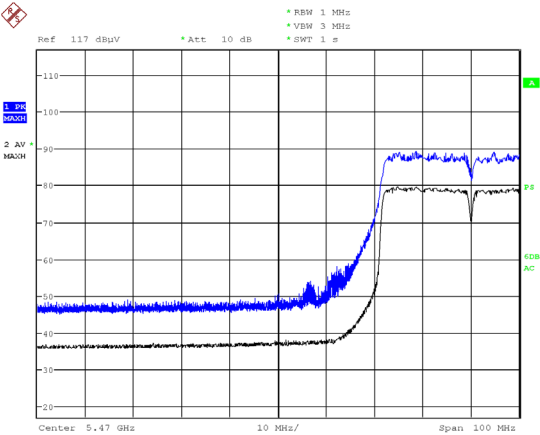
Vertical



Date: 6.JUN.2019 03:04:57

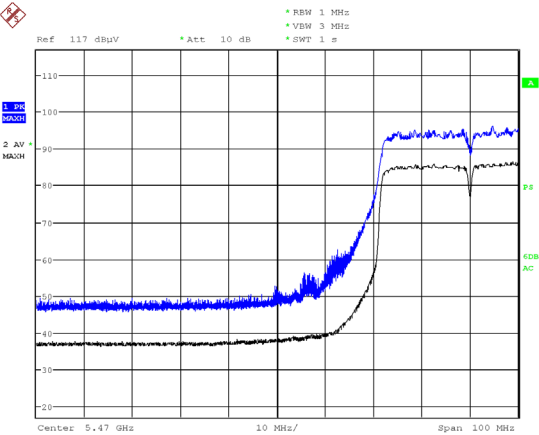
[802.11ac (VHT40)/ 5510 MHz]

Horizontal



Date: 6.JUN.2019 13:07:34

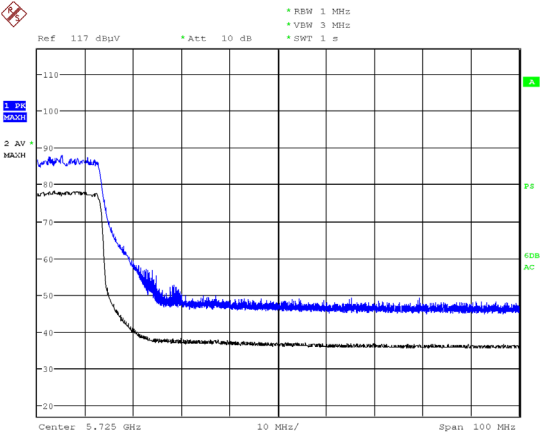
Vertical



Date: 6.JUN.2019 13:16:38

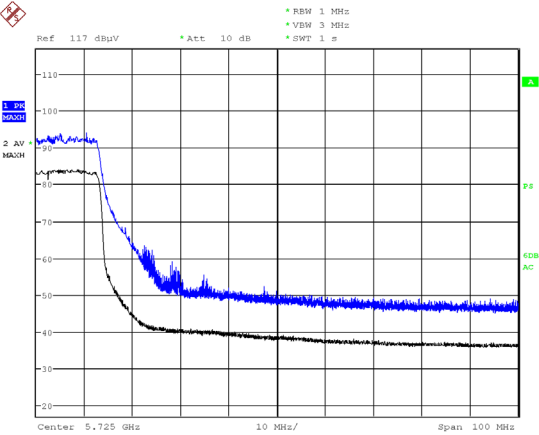
[802.11ac (VHT40)/ 5670 MHz]

Horizontal



Date: 6.JUN.2019 14:49:35

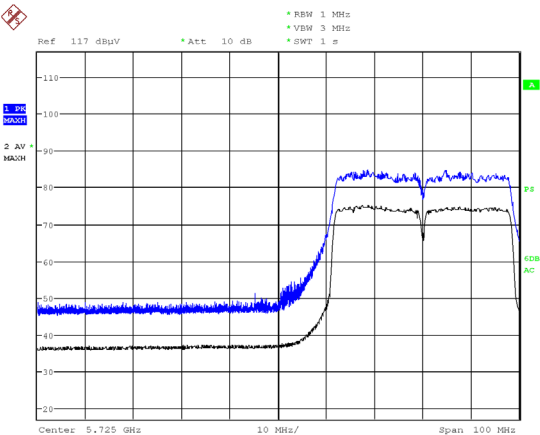
Vertical



Date: 6.JUN.2019 14:45:32

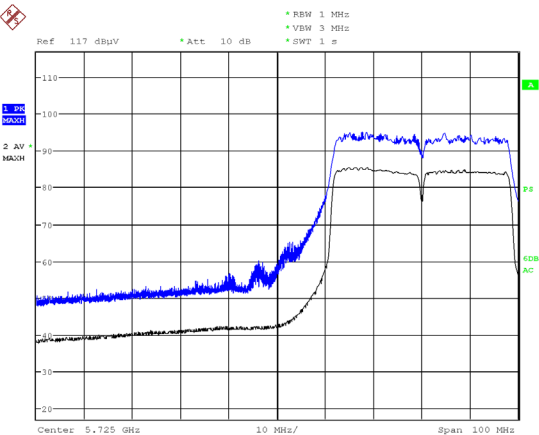
[802.11ac (VHT40)/ 5755 MHz]

Horizontal



Date: 13.JUN.2019 03:49:27

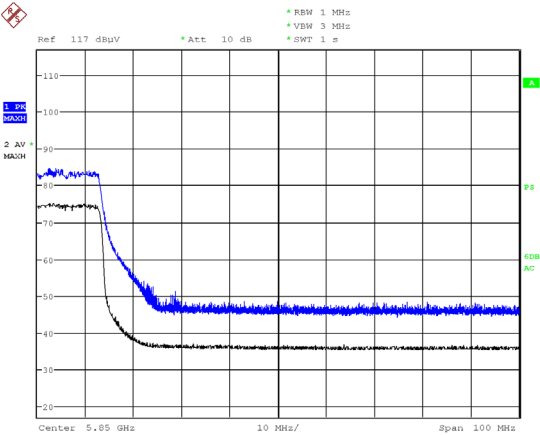
Vertical



Date: 13.JUN.2019 03:42:40

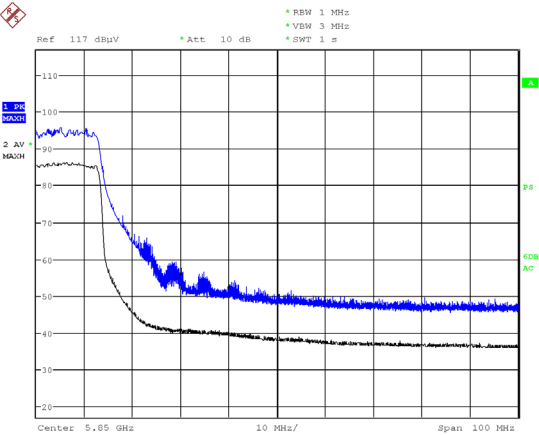
[802.11ac (VHT40)/ 5795 MHz]

Horizontal



Date: 13.JUN.2019 04:06:57

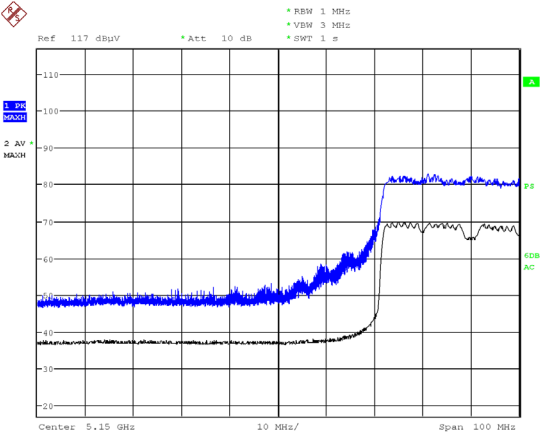
Vertical



Date: 13.JUN.2019 04:10:23

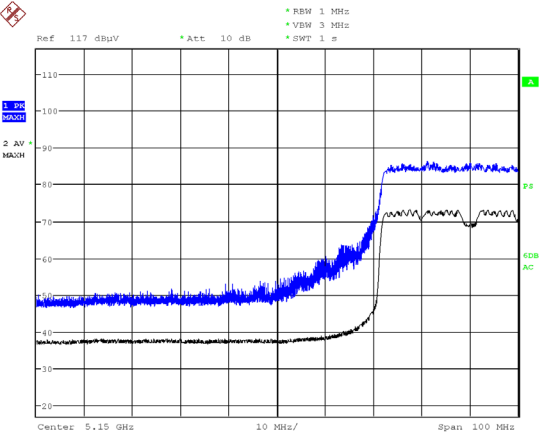
[802.11ac (VHT80)/ 5210 MHz]

Horizontal



Date: 6.JUN.2019 03:52:35

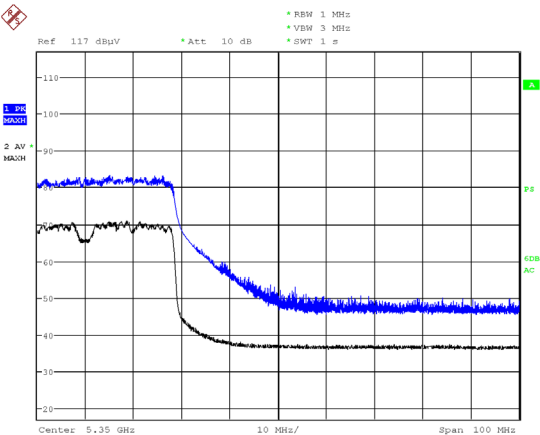
Vertical



Date: 6.JUN.2019 04:00:56

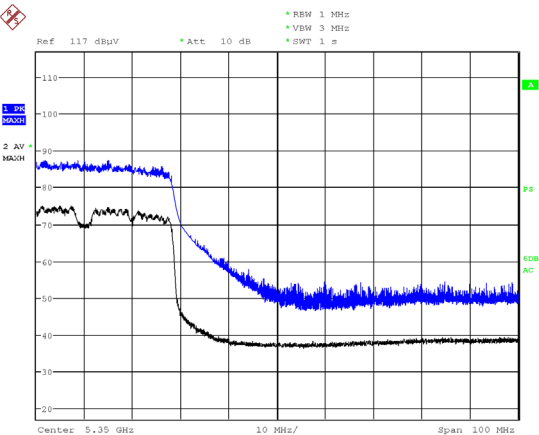
[802.11ac (VHT80)/ 5290 MHz]

Horizontal



Date: 6.JUN.2019 04:26:24

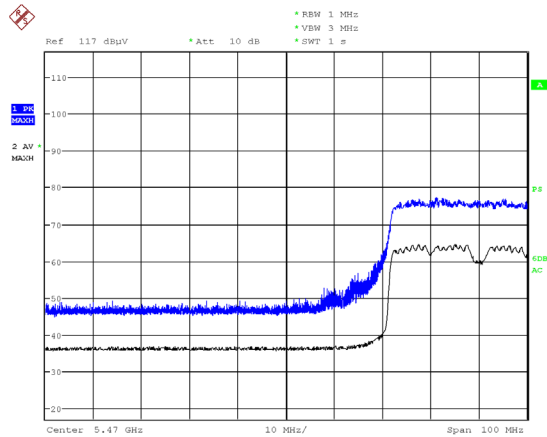
Vertical



Date: 6.JUN.2019 04:20:45

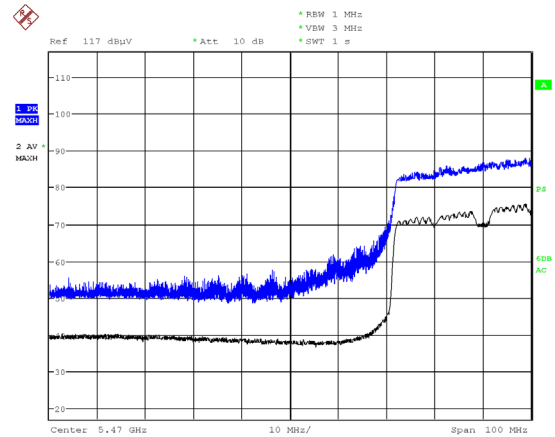
[802.11ac (VHT80)/ 5530 MHz]

Horizontal



Date: 5.JUN.2019 17:52:37

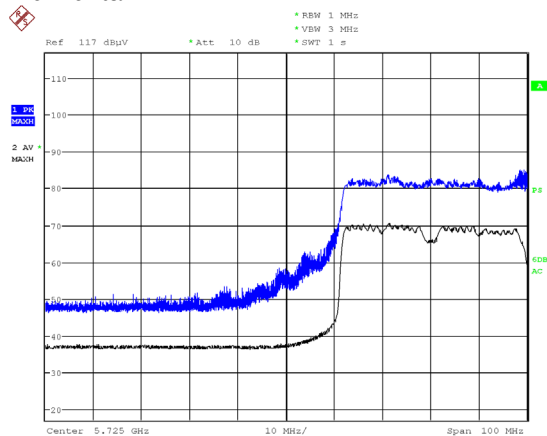
Vertical



Date: 5.JUN.2019 17:39:50

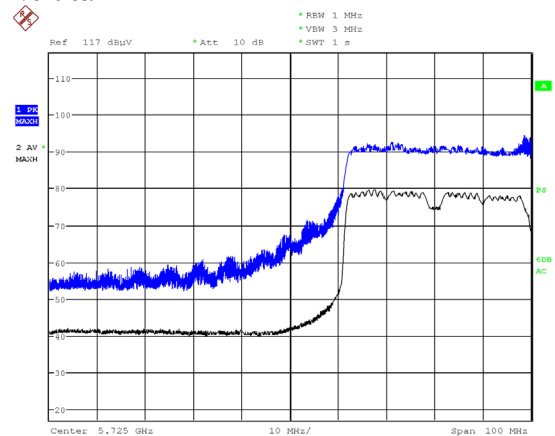
[802.11ac (VHT80)/ 5775 MHz]

Horizontal

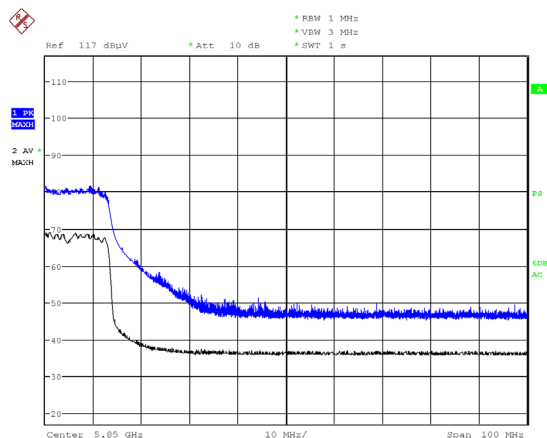


Date: 12.JUN.2019 15:37:33

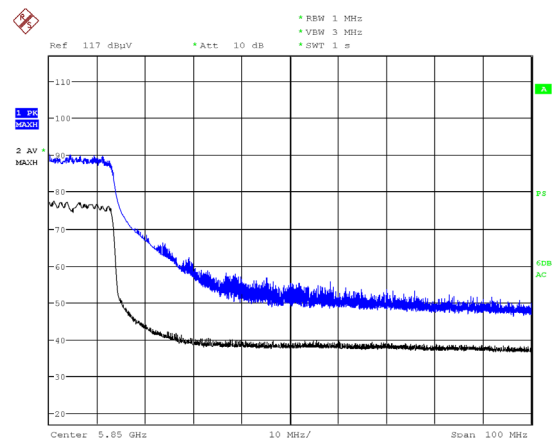
Vertical



Date: 12.JUN.2019 15:29:14



Date: 12.JUN.2019 15:39:19



Date: 12.JUN.2019 15:30:55

4. Method of Calculation

4.1. AC Power-line Conducted Emissions

Method of calculation : Software
 Software Name : EP5/ CE
 Software Version : Ver5.0.0

Test Result [dBuV] = Meter Reading [dBuV] + C.F. [dB]

Note (a) Meter Reading : Reading of the EMI test receiver.
 (b) C.F. : System Loss + Correction Factor of LISN

4.2. Maximum Conducted Output Power

Method of calculation : Software
 Software Name : SW-0304
 Software Version : Ver.3

Conducted Output Power Result [dBm] = Meter Reading [dBm] + C.F. [dB] + Duty Factor [dB]

EIRP Result [dBm] = Conducted Output Power Result [dBm] + Ant. Gain [dBi]

Note (a) Meter Reading : Reading of the power meter
 (b) C.F. : System Cable Loss + EUT Cable Loss
 (c) Duty Factor : $10\log \{(Tx\ ON\ Time + Tx\ OFF\ Time) / (Tx\ ON\ Time)\}$

4.3. Maximum Power Spectral Density

Method of calculation : Software
 Software Name : SW-0304
 Software Version : Ver.3

Power Spectral Density Result [dBm] = Meter Reading [dBm] + C.F. [dB] + RBW Factor [dB]

Power Spectral Density (EIRP) Result [dBm] = Power Spectral Density Result [dBm] + Ant. Gain [dBi]

Note (a) Meter Reading : Reading of the spectrum analyzer
 (b) C.F. : System Cable Loss + EUT Cable Loss
 (c) RBW Factor : $10\log (1\ [MHz] / RBW)$

4.4. Unwanted Emissions

Method of calculation : Software
Software Name : V-Scan
Software Version : Ver.4.0.30

Test Result [dBuV/ m] = Meter Reading [dBuV] + C.F. [dB/ m]

Note (a) Meter Reading : Reading of the EMI test receiver or spectrum analyzer.
(b) C.F. : ☒ Antenna Factor (including Balun Loss) + System GainLoss
: ☐ Antenna Factor (including Balun Loss) + System GainLoss + 20 log (3 m/ 10 m)

5. List of Test Equipment

All test results are traceable to the national and/ or international standards.

5.1. AC Power-line Conducted Emissions

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Interval	Last Cal.
x	CS0015	EMC-CE Cable System 1	-	-	-	12 months	18.11.04
x	M0663	6dB Attenuator	6806.01A	-	HUBER+SUHNER	12 months	18.11.04
x	M0569	HIGH FREQUENCY FUSE	MP612A	-	Anritsu	12 months	18.11.04
x	M0130	RF Selector	NS4902SR	109001	Toyo Corporation	12 months	18.11.04
x	M0605	LISN/AMN	ENV216	101305	Rohde & Schwarz	12 months	18.10.01
x	M5062	Scientific Ambient Monitor	0560 6220	39515563/802	testo	12 months	18.07.17
x	M0515	EMI Receiver	ESCI	100606	Rohde & Schwarz	12 months	18.10.01
x	M5080	Temperature Meter	608-H2	41476135	testo	12 months	18.10.18

5.2. Antenna-port Conducted Measurements

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Interval	Last Cal.
-	W0140	Spectrum Analyzer	FSU26	200717	Rohde & Schwarz	12 months	18.09.01
x	W0110	10dB Attenuator	6610-SK-50-1	0002	Huber + Suhner	12 months	18.09.01
-	W0100	Spectrum Analyzer	MS2692A	6201338954	Anritsu	12 months	19.05.09
x	W0101	Signal Analyzer	MS2692A	6201338955	Anritsu	12 months	19.05.19
x	W0006	Power Meter	N1911A	MY50000295	Keysight Technologies	12 months	18.10.06
x	W0007	Power Sensor	N1922A	MY50180022	Keysight Technologies	12 months	18.10.06
x	W0029	10dB Attenuator	8493C	76549	Keysight Technologies	12 months	18.09.01
-	WC0002	RF Cable	SUCOFLEX 102	34124/2	HUBER + SUHNER	12 months	18.09.01
-	WC0003	RF Cable	SUCOFLEX 102	34127/2	HUBER + SUHNER	12 months	18.09.01
x	WC0004	RF Cable	SUCOFLEX 102	34288/2	HUBER + SUHNER	12 months	18.09.01
-	WC0005	RF Cable	SUCOFLEX 102	34287/2	HUBER + SUHNER	12 months	18.09.01
-	WC0006	RF Cable	SUCOFLEX 102	34289/2	HUBER + SUHNER	12 months	18.09.01
-	WC0007	RF Cable	SUCOFLEX 102	34286/2	HUBER + SUHNER	12 months	18.09.01
-	M0719	Thermometer	TH-321	140016	AS ONE	12 months	19.05.20
x	M0720	Thermometer	TH-321	140036	AS ONE	12 months	18.07.20

5.3. Unwanted Emissions

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Interval	Last Cal.
x	M0970	EMI Receiver	ESCI	100511	Rohde & Schwarz	12 months	19.03.19
-	M0669	EMI Receiver	N9038A	MY51210223	Agilent Technologies	12 months	19.06.11
x	M0504	EMI Receiver	ESU40	100086	Rohde & Schwarz	12 months	18.11.19
x	A0073	Loop Antenna	HFH2-Z2	100171	Rohde & Schwarz	12 months	18.12.10
x	A0043	Biconical Antenna	BBA9106	V5(91032598)	Schwarzbeck	12 months	18.12.03
x	A0046	Log periodic Antenna	UHALP9108A1	0830	Schwarzbeck	12 months	18.12.03
x	A0056	Horn Antenna	BBHA9120D	670	Schwarzbeck	12 months	19.06.01
x	A0057	Horn Antenna	HAP06-18W	00000037	Toyo Corporation	12 months	19.06.01
x	A0058	Horn Antenna	HAP18-26W	00000016	Toyo Corporation	12 months	18.12.01
x	A0060	Horn Antenna	HAP26-40W	00000009	Toyo Corporation	12 months	18.12.01
-	CS0037	Fourth Site RE Cable SYS1	-	-	-	12 months	19.06.01
x	CS0039	Fourth Site RE Cable SYS3	-	-	-	12 months	19.06.01
x	CS0054	Fourth Site EMF Cable SYS	-	-	-	12 months	19.06.01
x	M1055	GHz Filter Box	WSF-109	17111786	Wakoh	12 months	19.06.01
x	M0510	RF Selector	NS4900	0802-226	Toyo Corporation	12 months	19.06.01
x	M0620	RF Pre-Amp	8447D	2944A10720	Agilent	12 months	19.06.01
x	M0706	3dB Attenuator	8491A	MY39267782	Agilent	12 months	19.06.01
x	M5151	Temperature Meter	608-H2	41475968	testo	12 months	18.11.08
x	M5061	Scientific Ambient Monitor	0560 6220	39515471/801	testo	12 months	18.07.17

About calibration interval

Valid until the end of the month listed in "Cal. Interval" column.