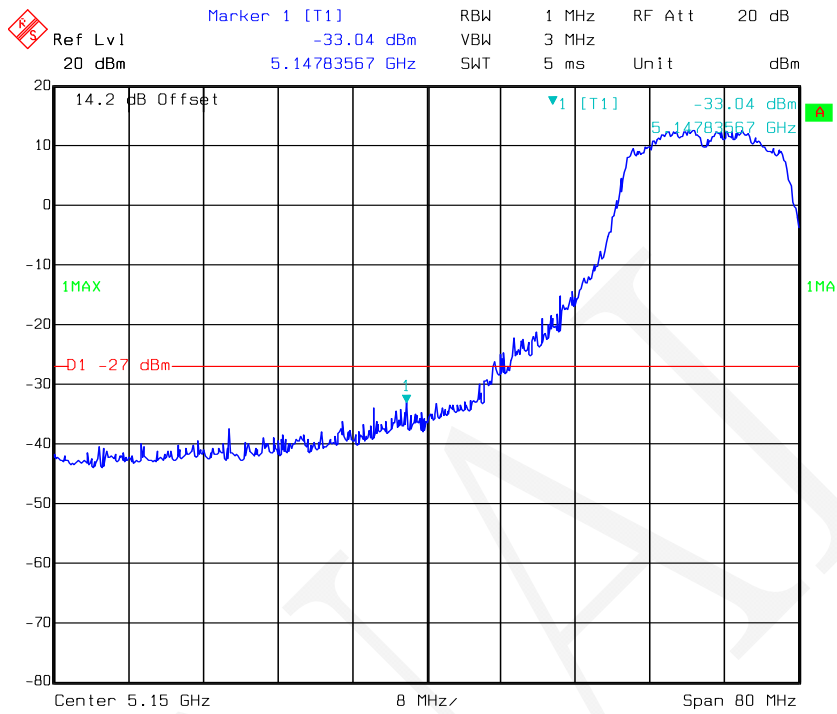
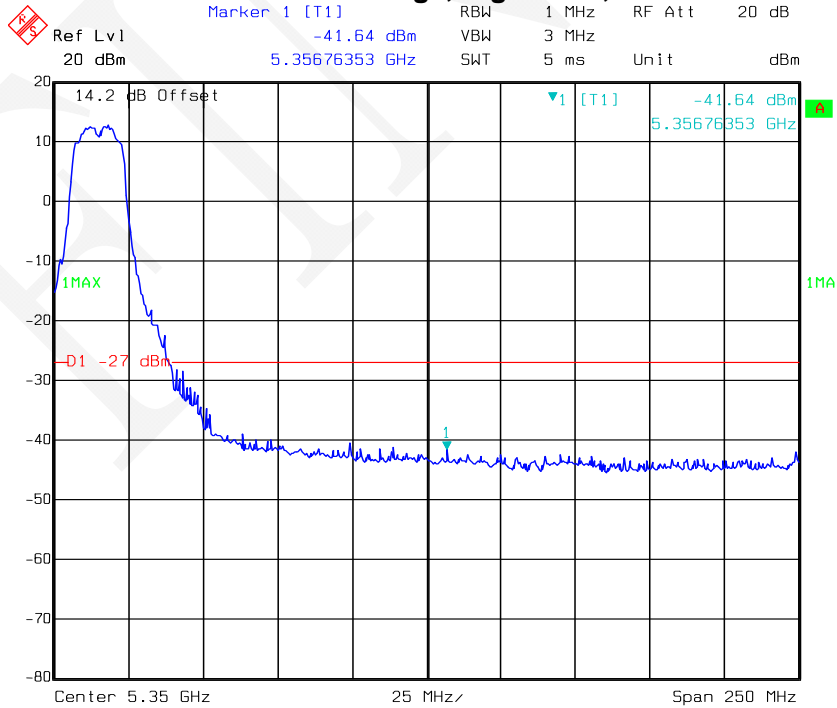


802.11n-HT20: Band Edge, Left Side, Antenna 2



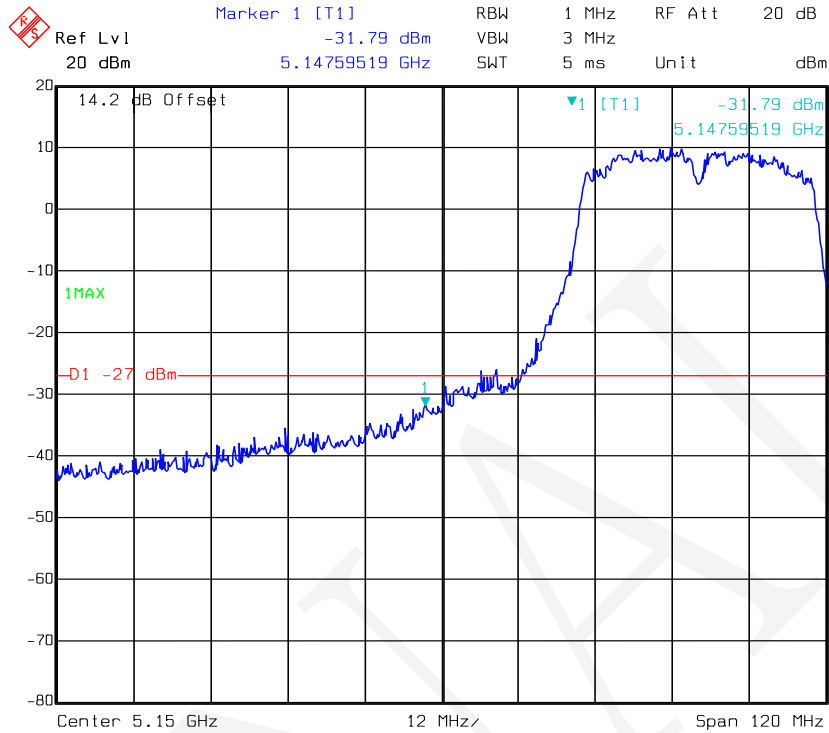
Date: 03.APR.2018 11:52:34

802.11n-HT20: Band Edge, Right Side, Antenna 2

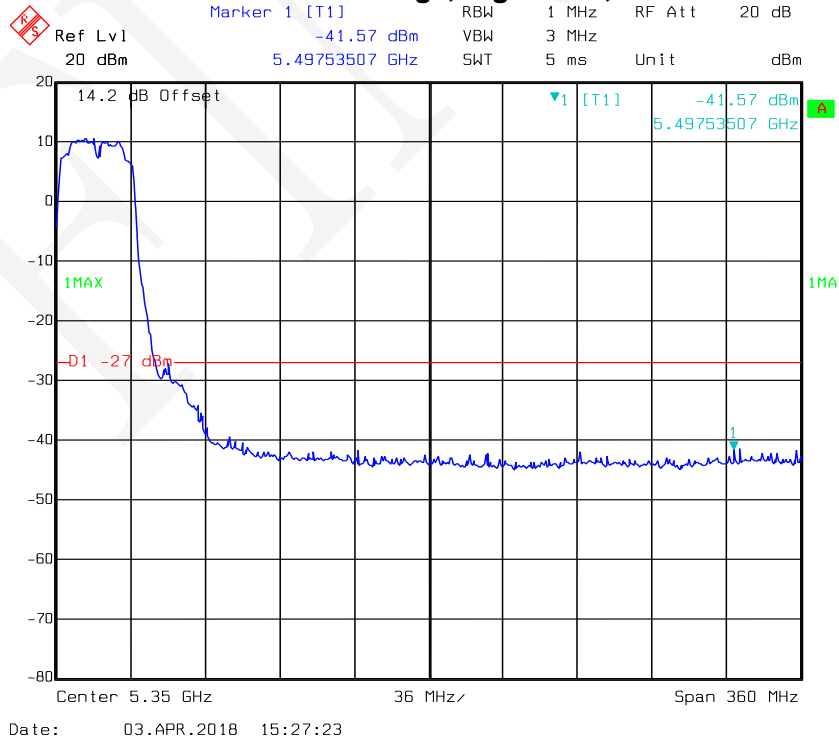


Date: 03.APR.2018 11:32:18

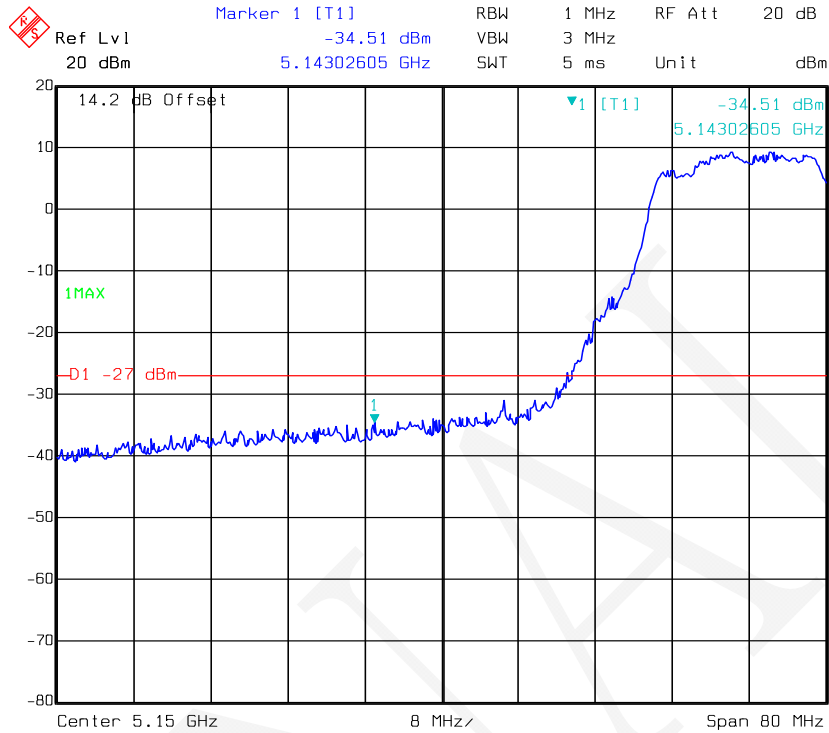
802.11n-HT40: Band Edge, Left Side, Antenna 1



802.11n-HT40: Band Edge, Right Side, Antenna 1

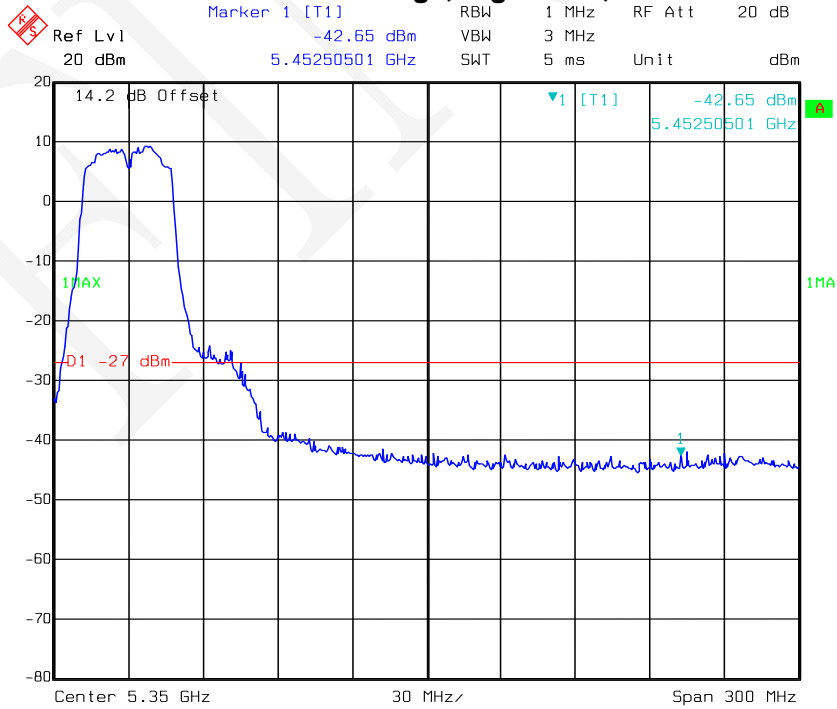


802.11n-HT40: Band Edge, Left Side, Antenna 2



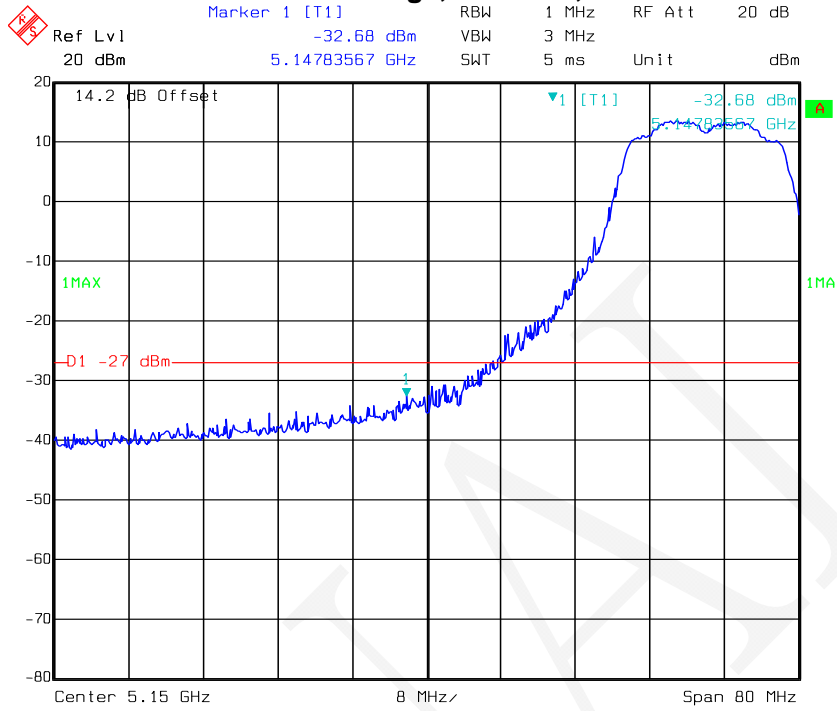
Date: 03.APR.2018 11:43:51

802.11n-HT40: Band Edge, Right Side, Antenna 2



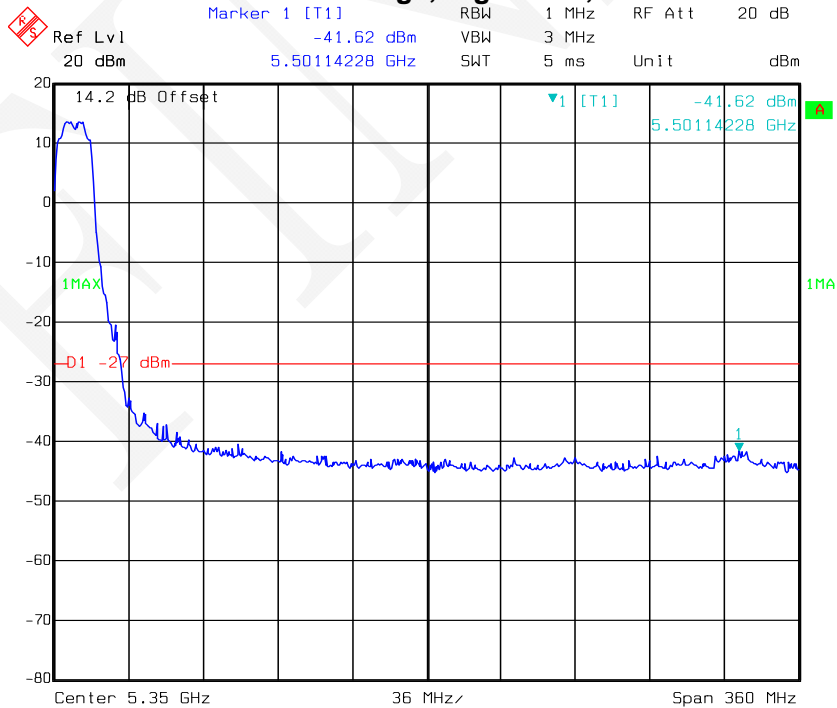
Date: 03.APR.2018 11:58:33

802.11ac20: Band Edge, Left Side, Antenna 1



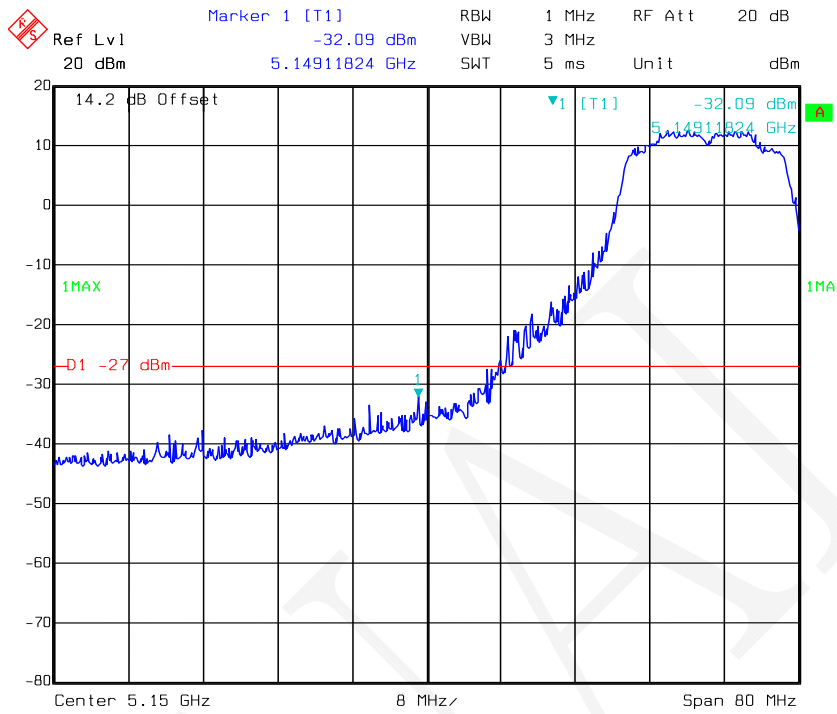
Date: 03.APR.2018 15:12:43

802.11ac20: Band Edge, Right Side, Antenna 1



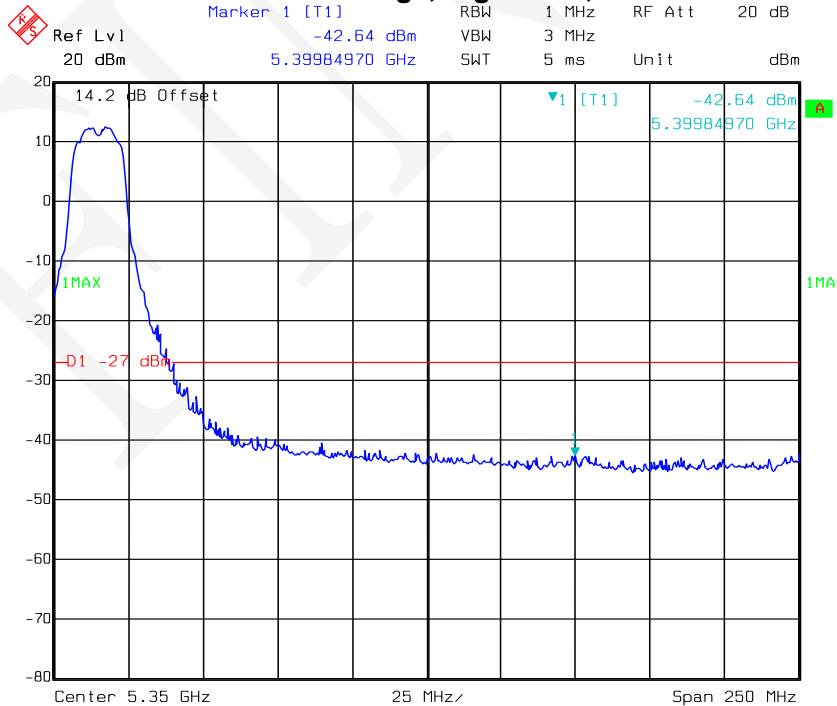
Date: 03.APR.2018 15:23:36

802.11ac20: Band Edge, Left Side, Antenna 2



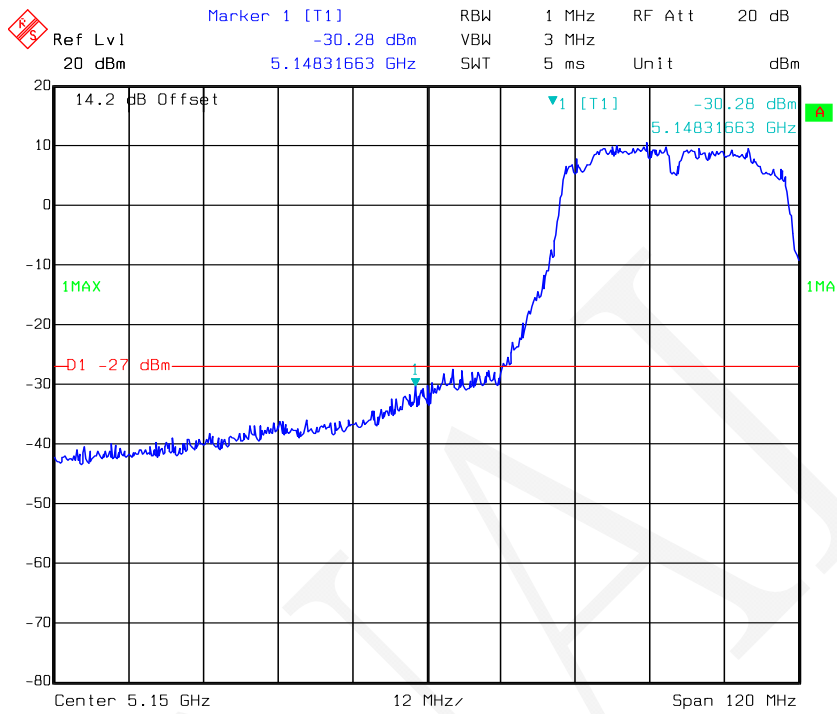
Date: 03.APR.2018 11:55:31

802.11ac20: Band Edge, Right Side, Antenna 2



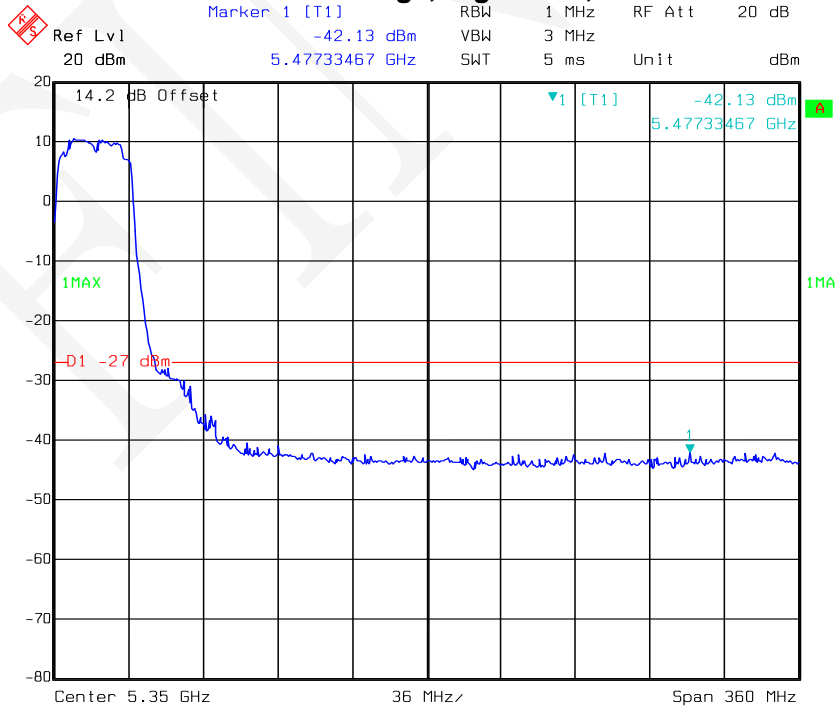
Date: 03.APR.2018 11:54:28

802.11ac40: Band Edge, Left Side, Antenna 1



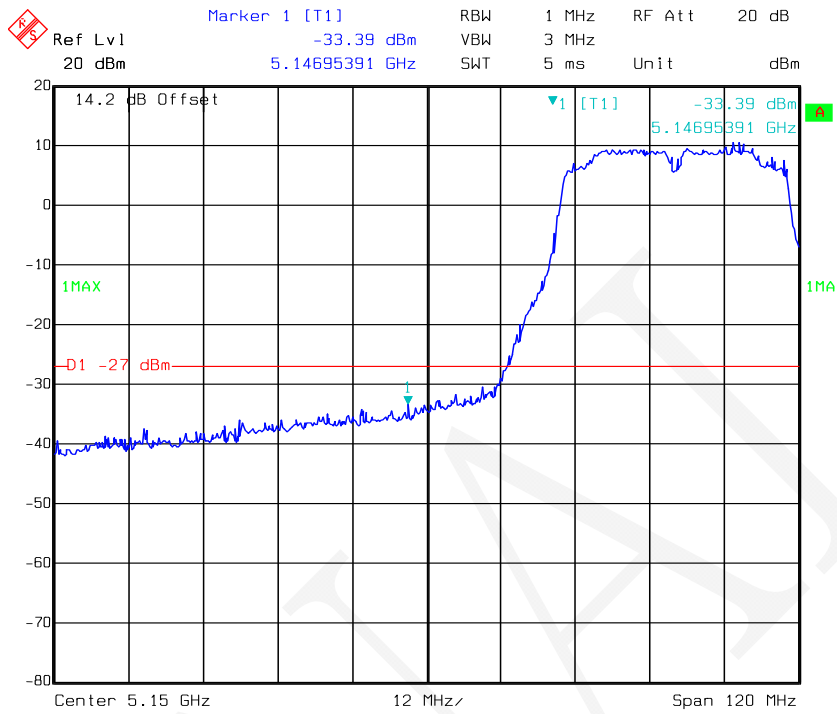
Date: 03.APR.2018 15:14:29

802.11ac40: Band Edge, Right Side, Antenna 1



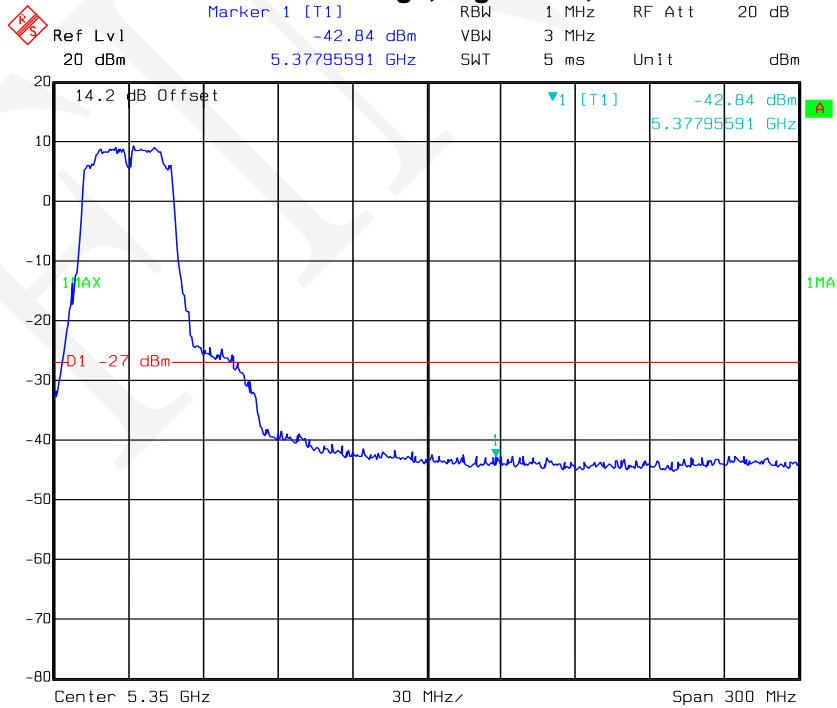
Date: 03.APR.2018 15:30:14

802.11ac40: Band Edge, Left Side, Antenna 2



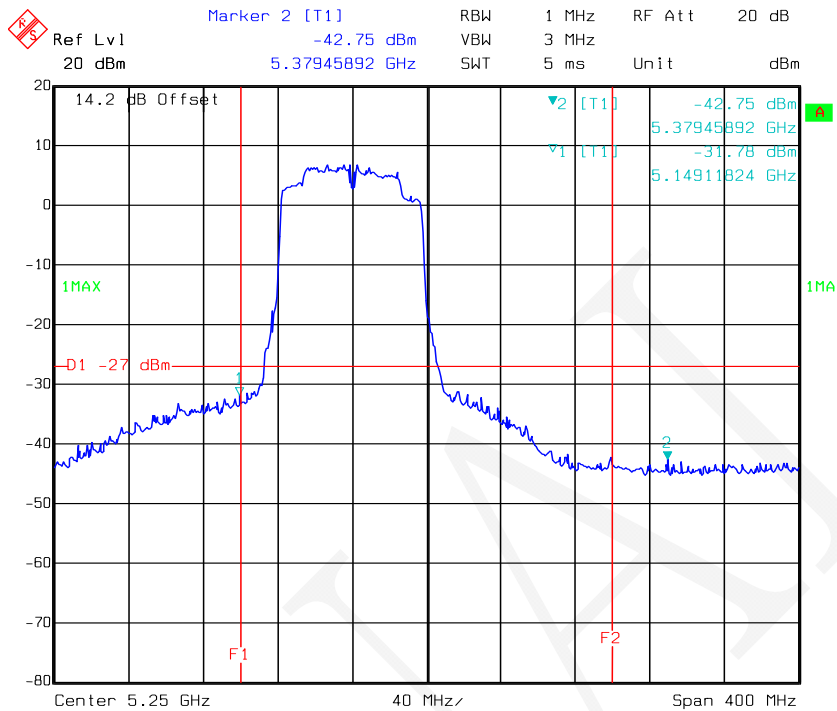
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802.11ac40: Band Edge, Right Side, Antenna 2



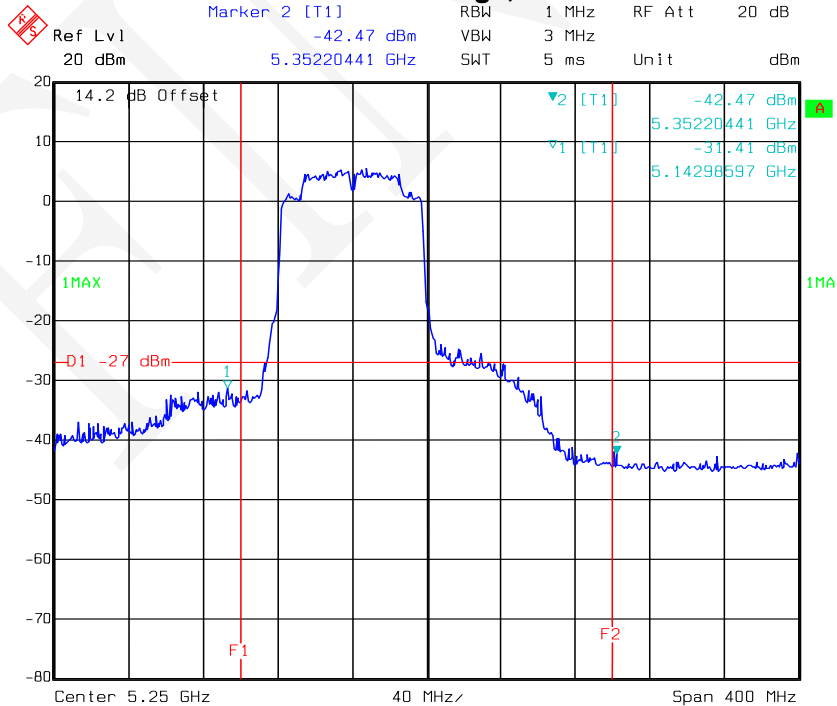
Date: 03.APR.2018 11:57:37

802.11ac80: Band Edge, Antenna 1



Date: 03.APR.2018 15:18:48

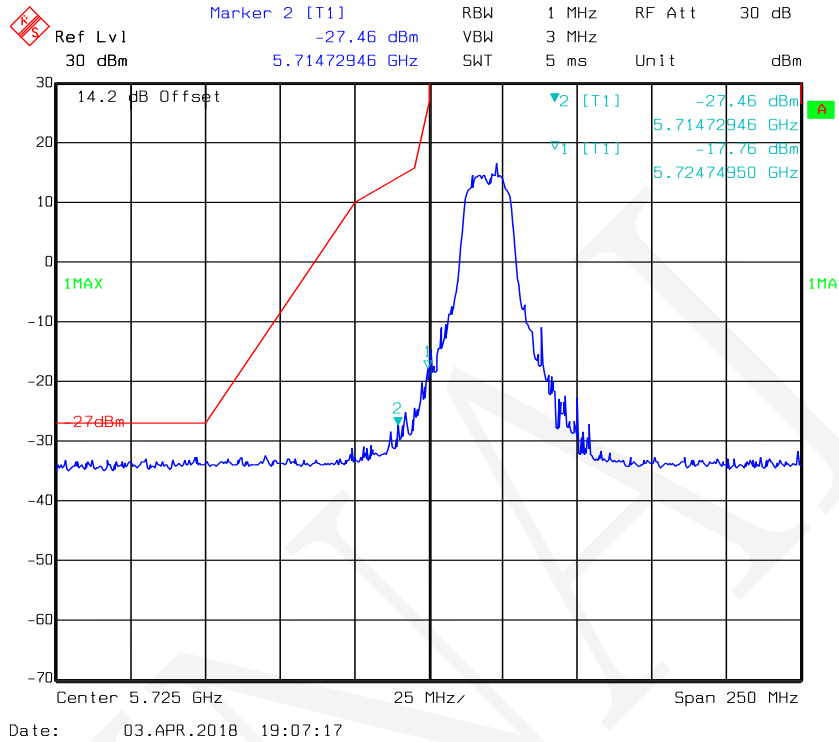
802.11ac80: Band Edge, Antenna 2



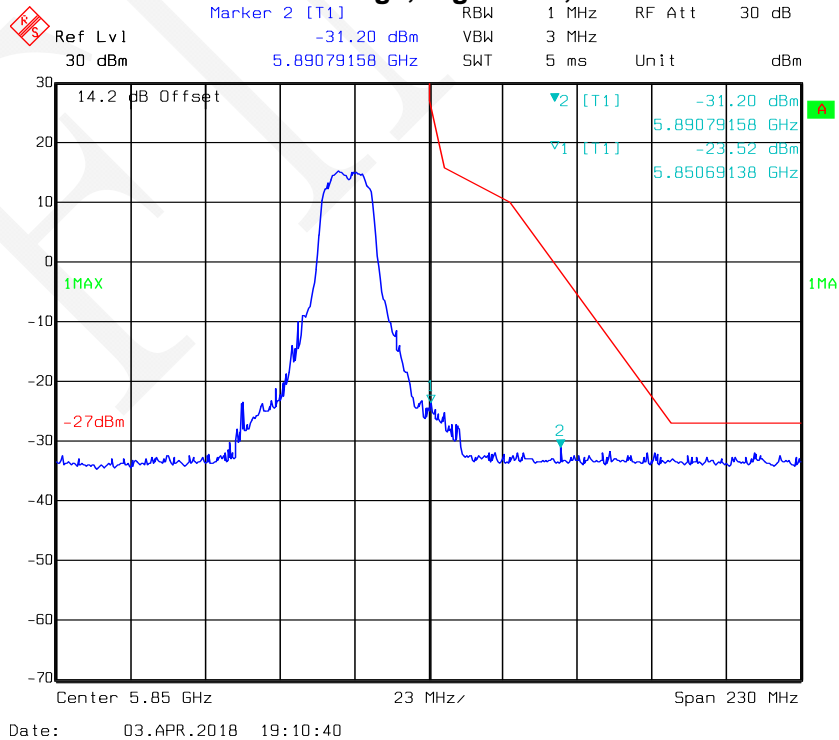
Date: 03.APR.2018 11:48:22

For 5725-5850 MHz: (Note: The antenna gain was set in the offset, all emissions under limit more than 3dBc, so MIMO mode also comply the requirement.)

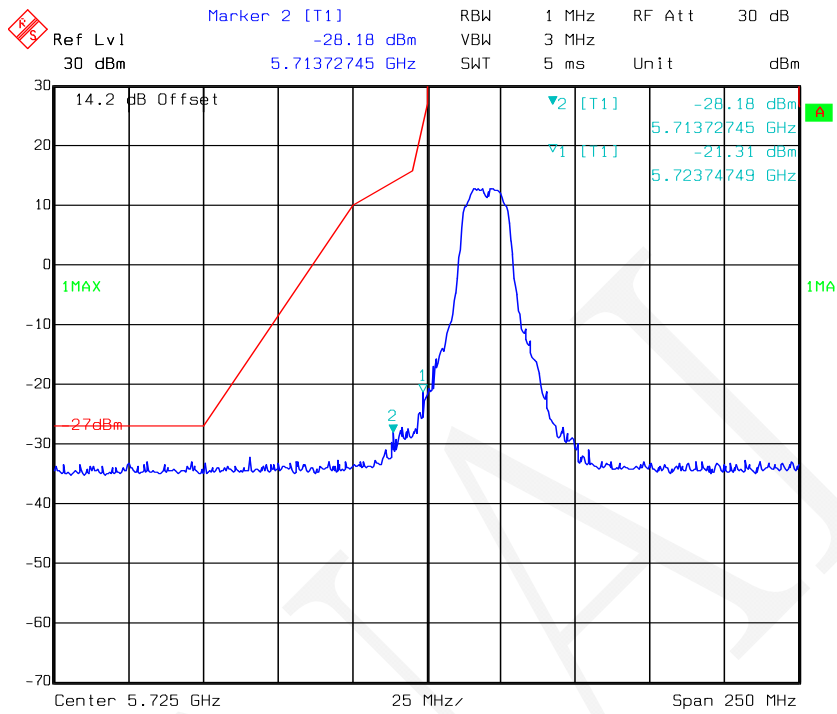
802.11a: Band Edge, Left Side, Antenna 1



802.11a: Band Edge, Right Side, Antenna 1

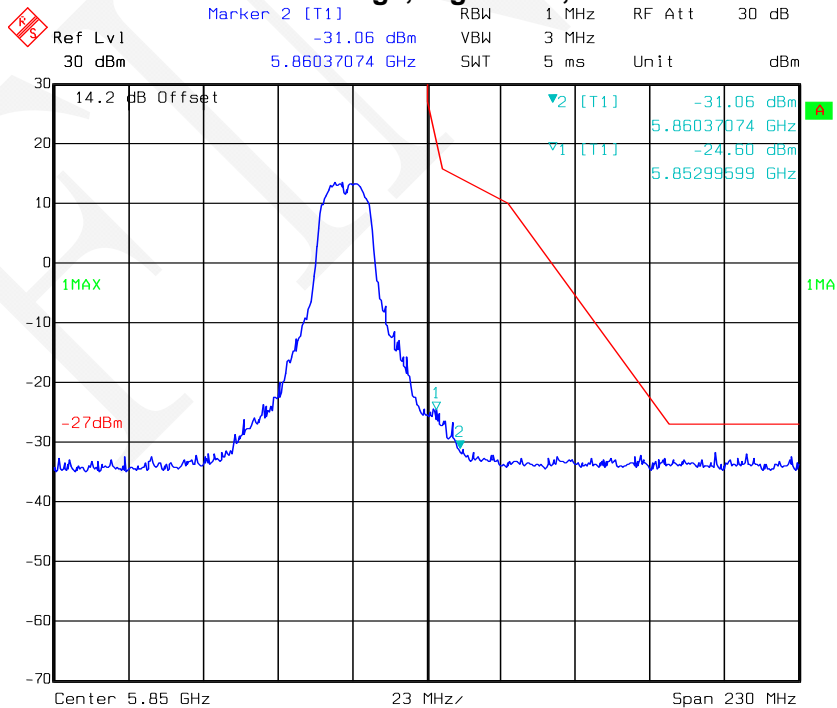


802.11a: Band Edge, Left Side, Antenna 2



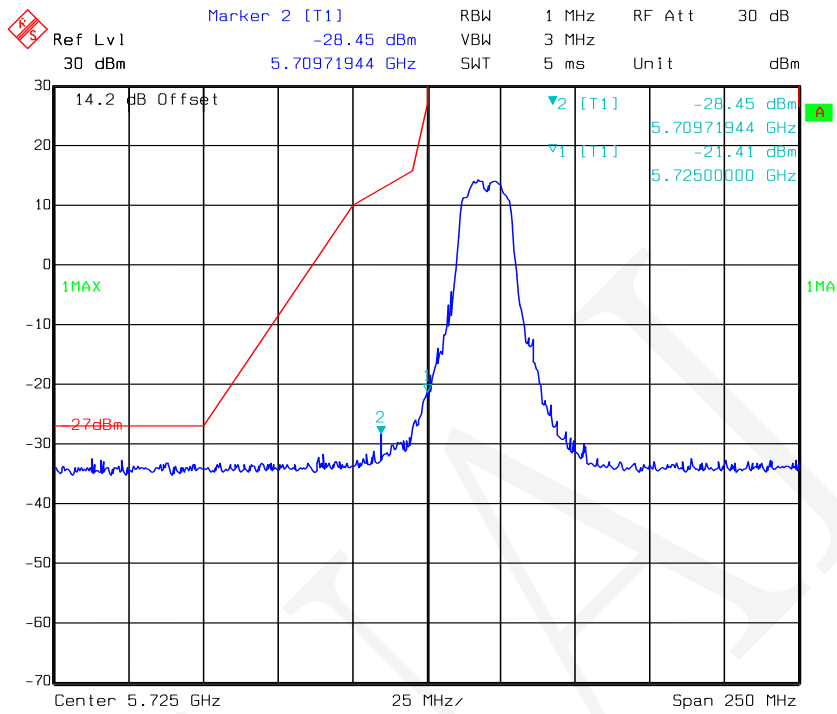
Date: 03.APR.2018 16:13:20

802.11a: Band Edge, Right Side, Antenna 2



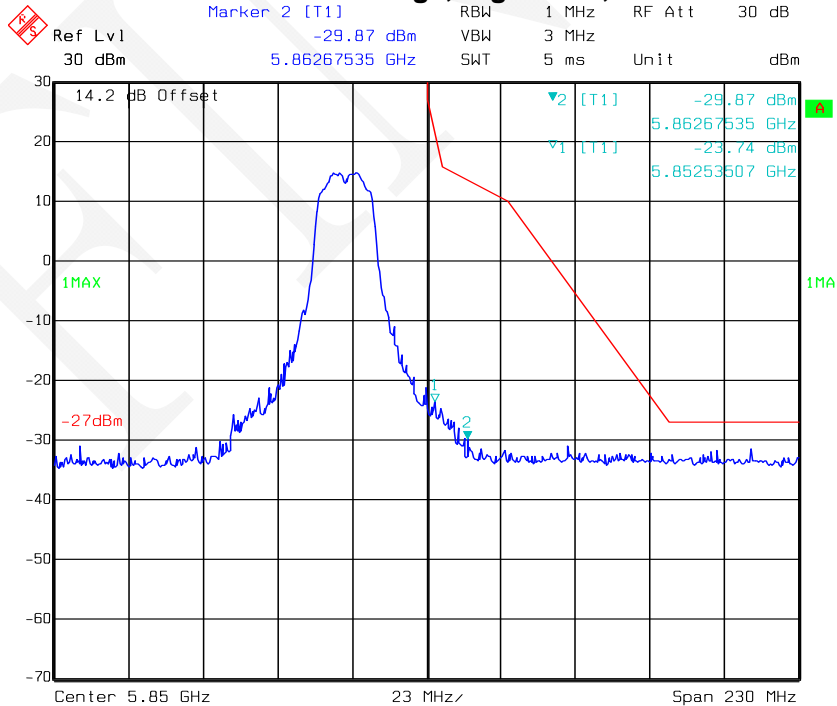
Date: 03.APR.2018 16:24:13

802.11n-HT20: Band Edge, Left Side, Antenna 1



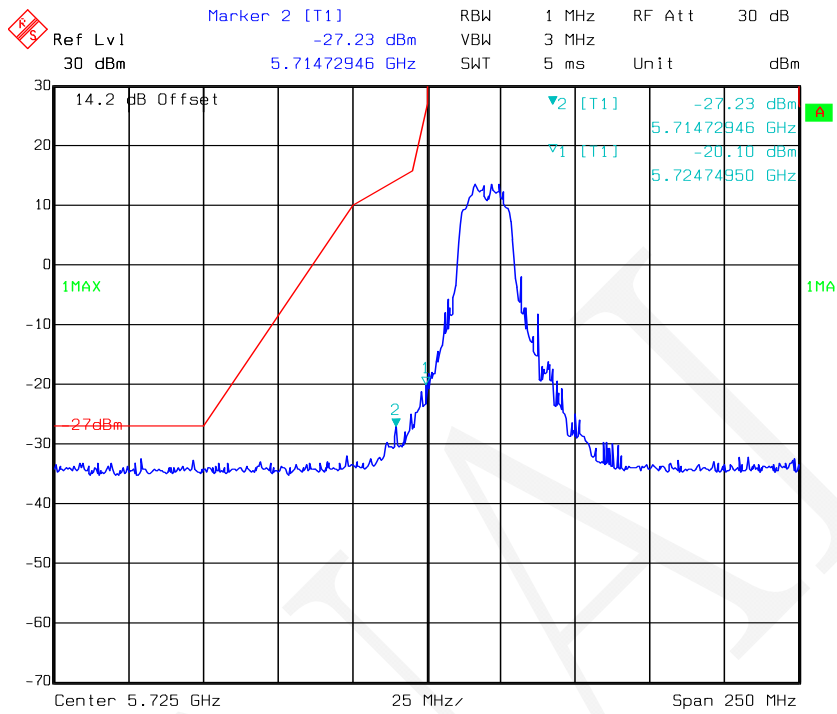
Date: 03.APR.2018 19:15:42

802.11n-HT20: Band Edge, Right Side, Antenna 1



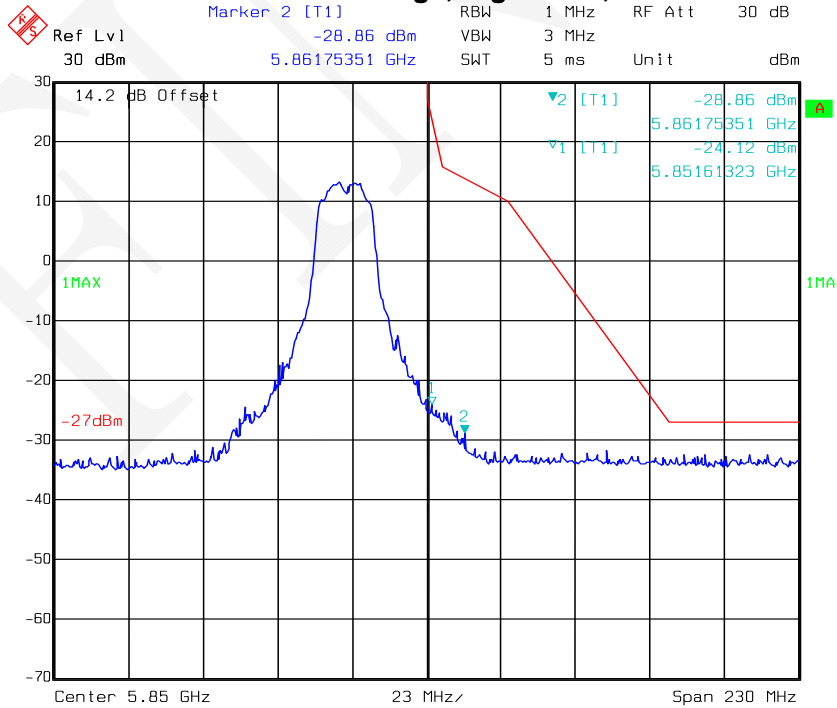
Date: 03.APR.2018 19:12:51

802.11n-HT20: Band Edge, Left Side, Antenna 2



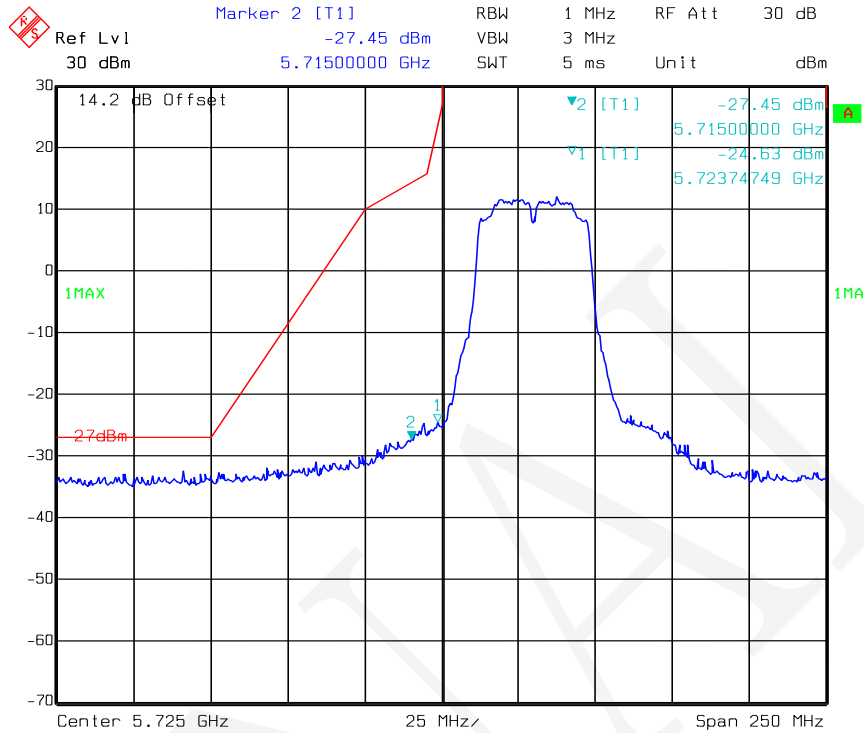
Date: 03.APR.2018 16:28:01

802.11n-HT20: Band Edge, Right Side, Antenna 2



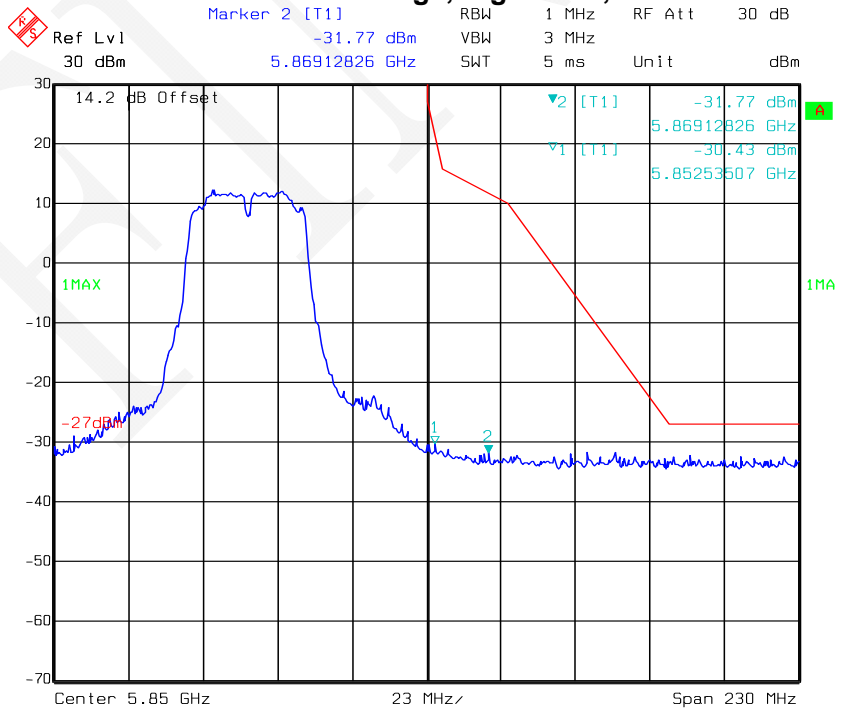
Date: 03.APR.2018 16:34:38

802.11n-HT40: Band Edge, Left Side, Antenna 1



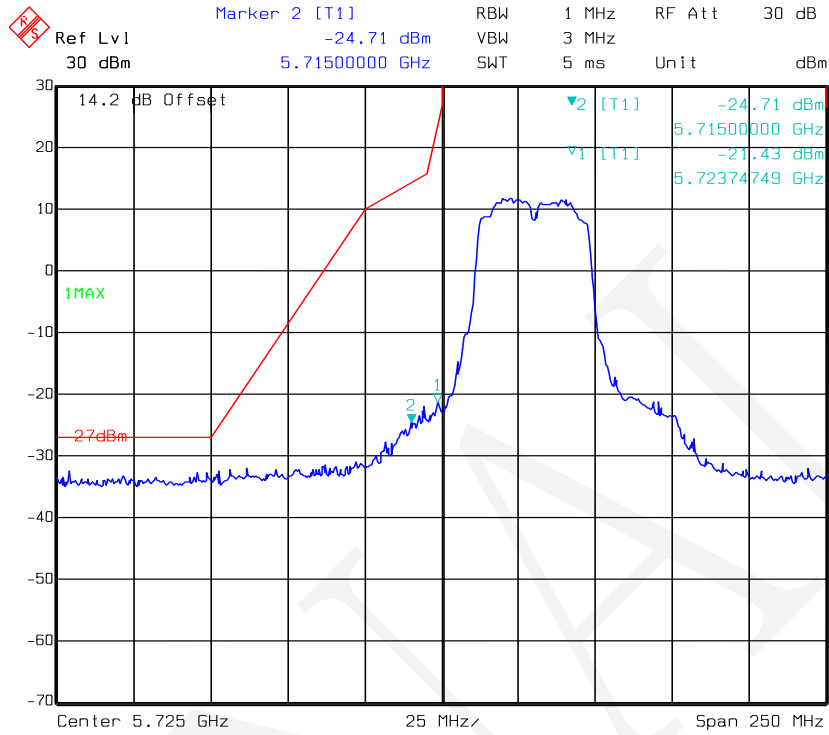
Date: 03.APR.2018 19:28:22

802.11n-HT40: Band Edge, Right Side, Antenna 1

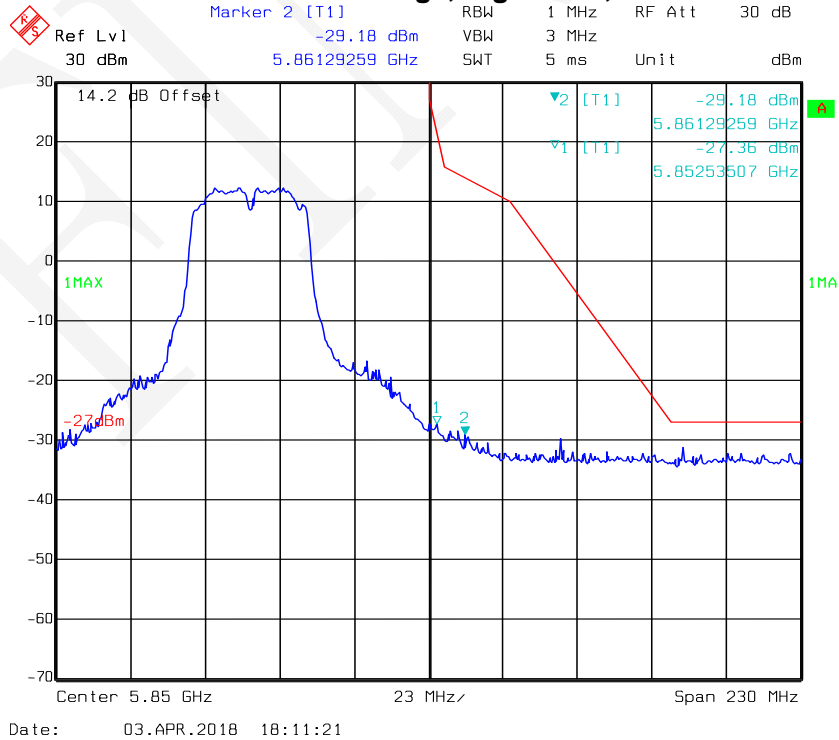


Date: 03.APR.2018 19:26:34

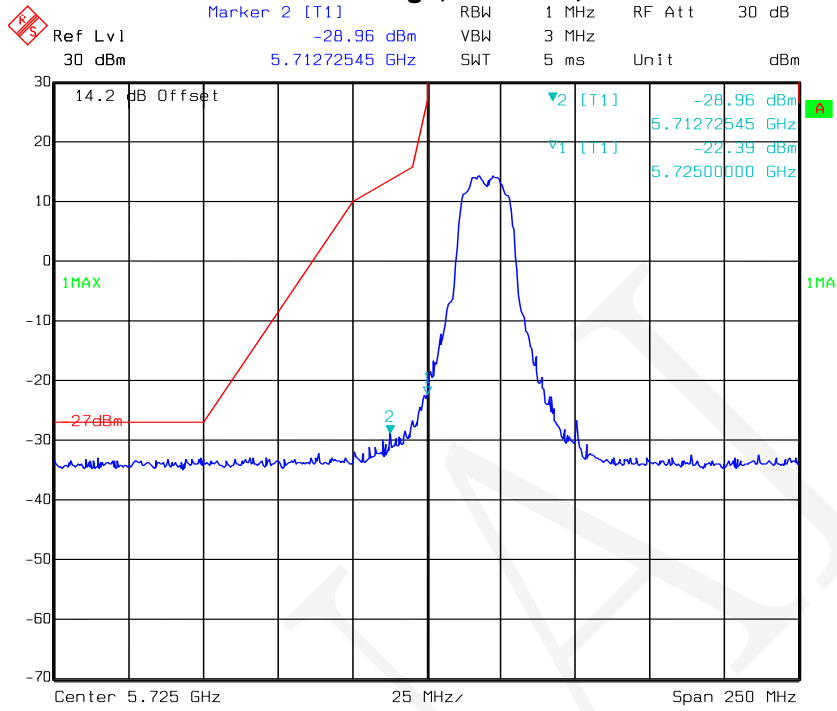
802.11n-HT40: Band Edge, Left Side, Antenna 2



802.11n-HT40: Band Edge, Right Side, Antenna 2

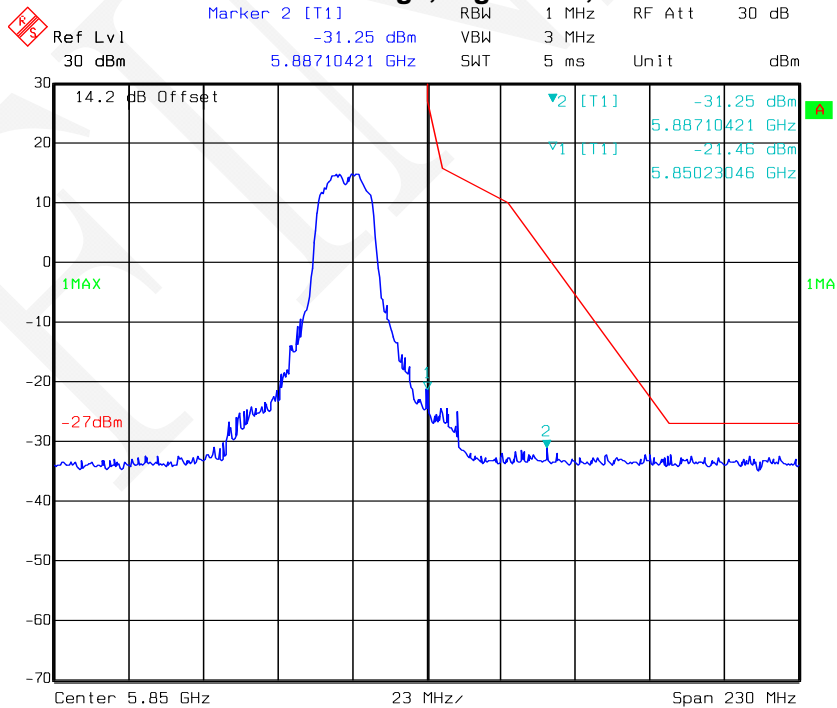


802.11ac20: Band Edge, Left Side, Antenna 1



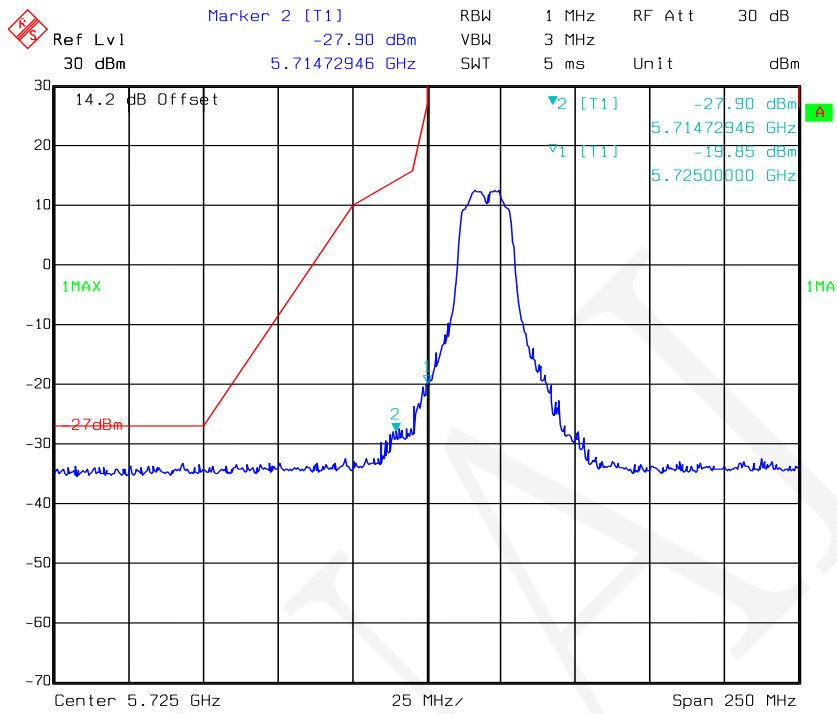
Date: 03.APR.2018 19:17:58

802.11ac20: Band Edge, Right Side, Antenna 1



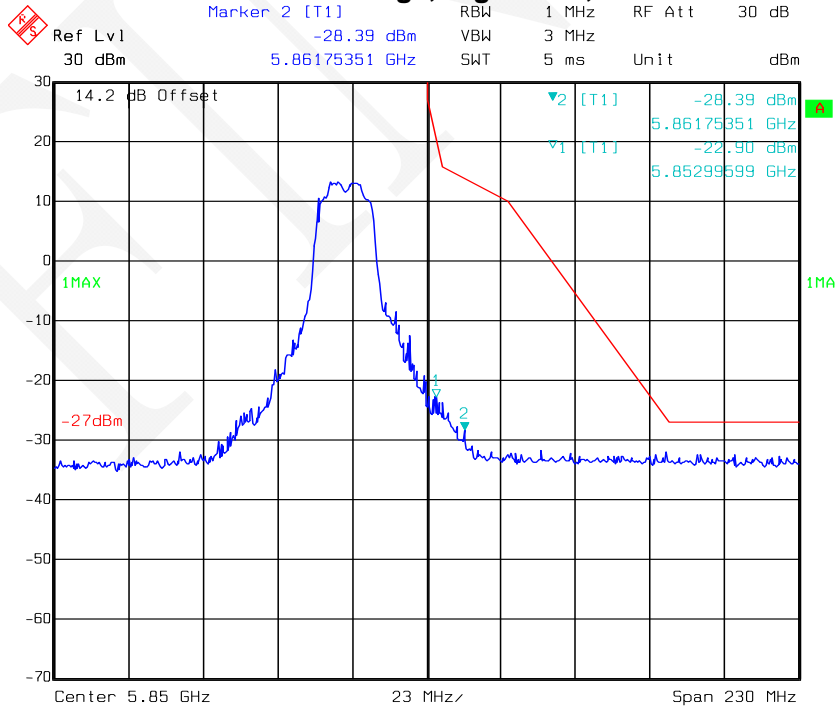
Date: 03.APR.2018 19:20:50

802.11ac20: Band Edge, Left Side, Antenna 2



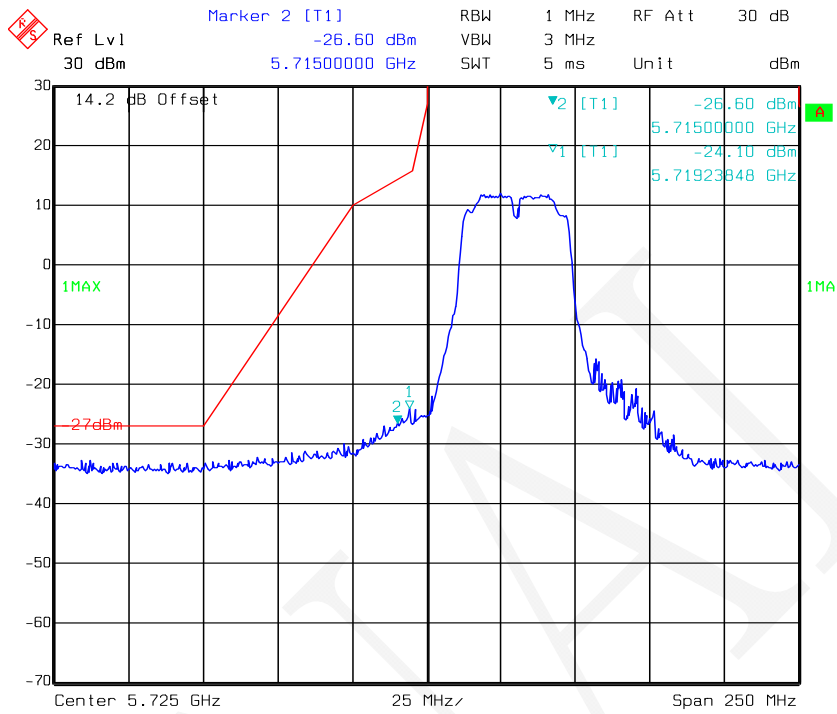
Date: 03.APR.2018 16:37:29

802.11ac20: Band Edge, Right Side, Antenna 2



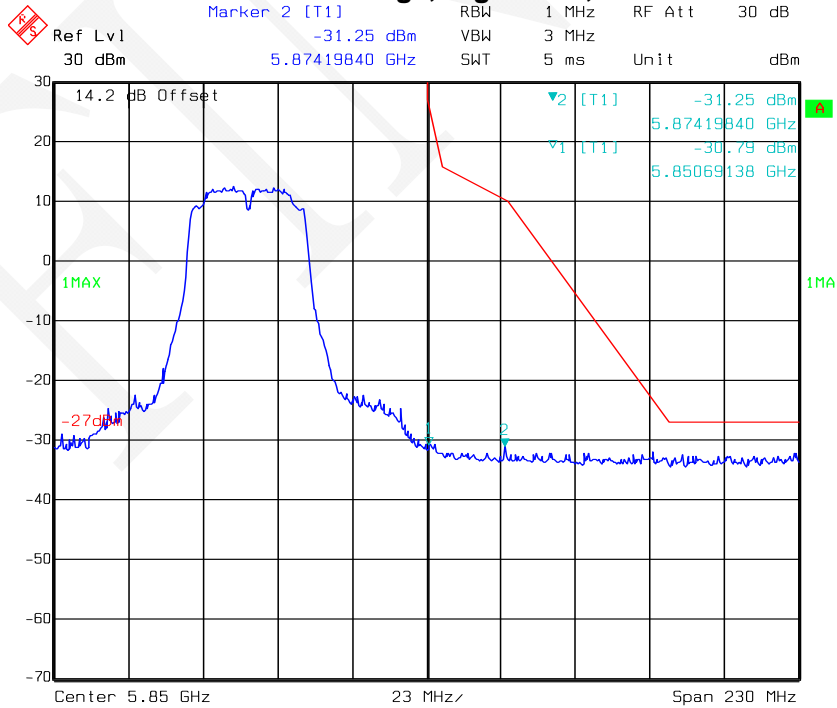
Date: 03.APR.2018 16:40:40

802.11ac40: Band Edge, Left Side, Antenna 1



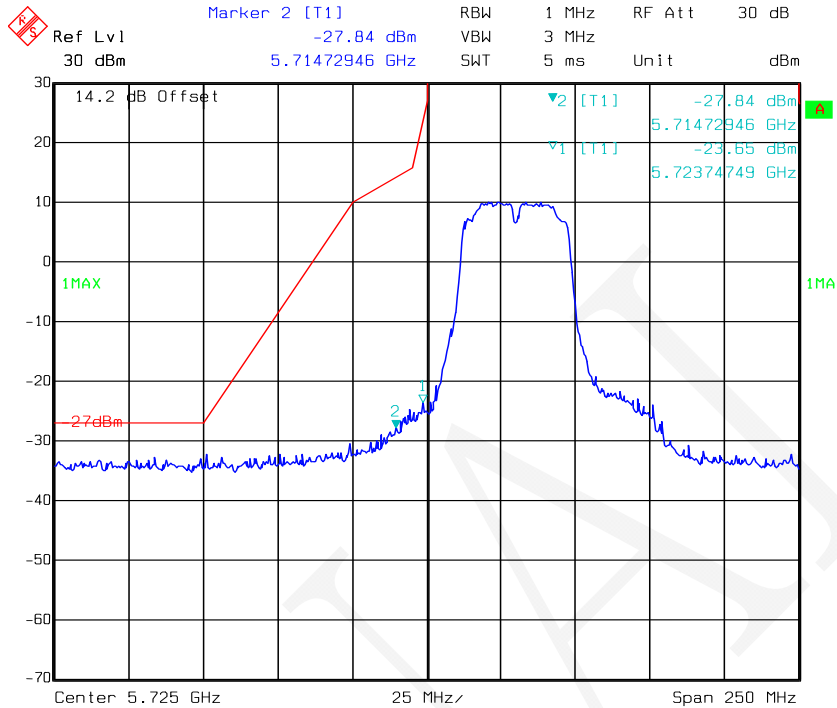
Date: 03.APR.2018 19:22:40

802.11ac40: Band Edge, Right Side, Antenna 1



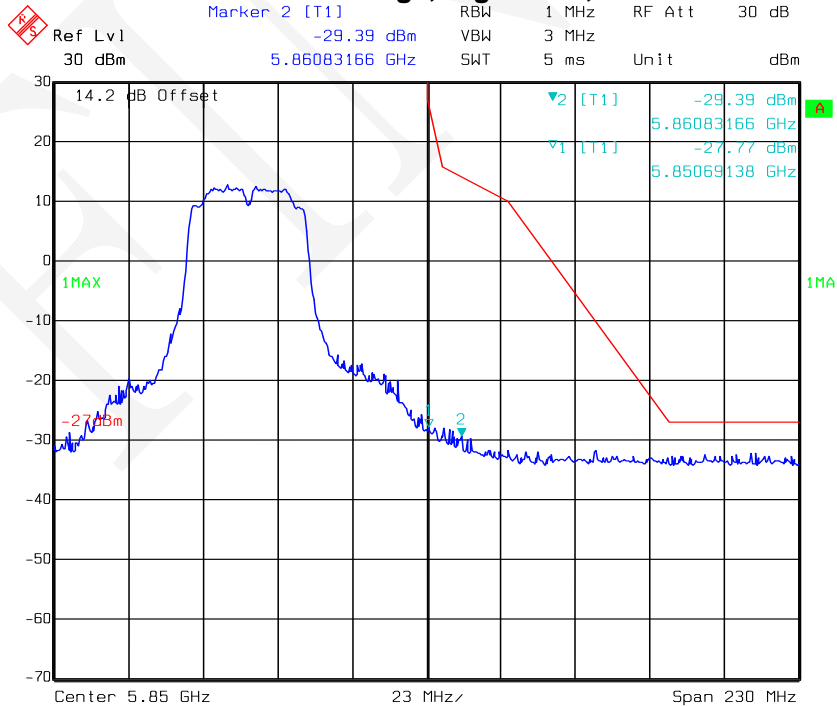
Date: 03.APR.2018 19:24:30

802.11ac40: Band Edge, Left Side, Antenna 2



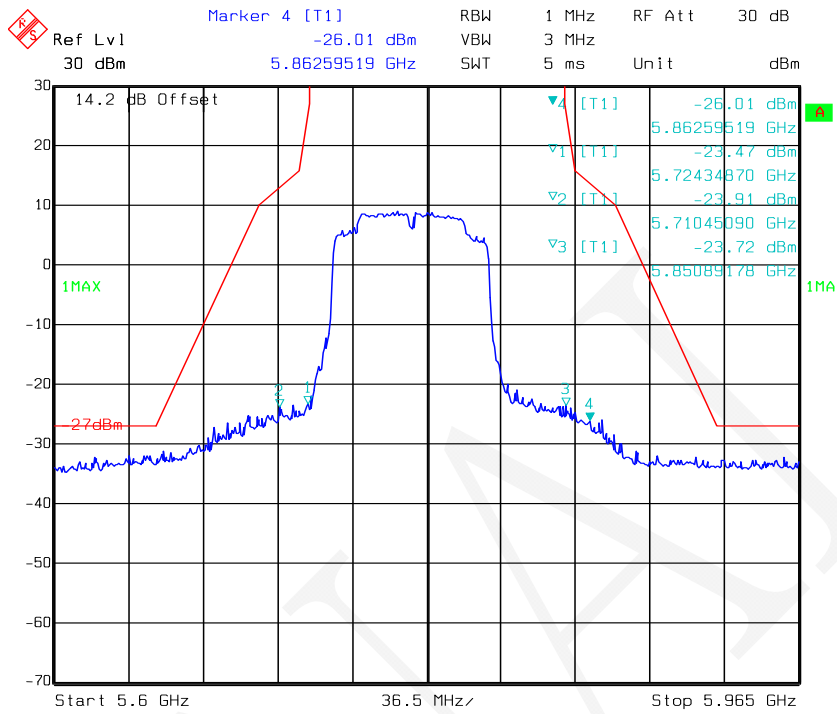
Date: 03.APR.2018 16:44:45

802.11ac40: Band Edge, Right Side, Antenna 2



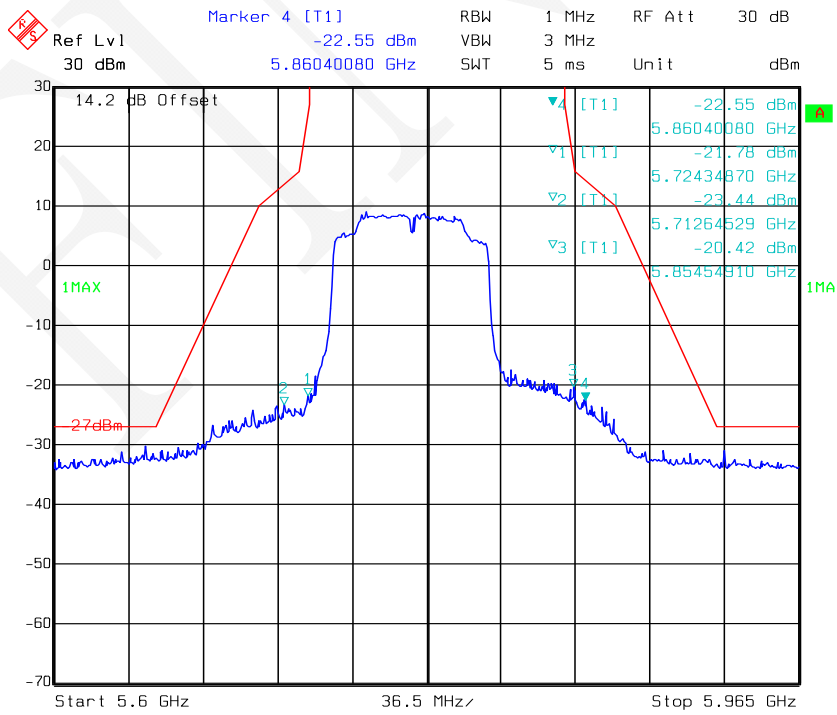
Date: 03.APR.2018 18:07:19

802.11ac80: Band Edge, Antenna 1



Date: 03.APR.2018 19:30:22

802.11ac80: Band Edge, Antenna 2



Date: 03.APR.2018 18:14:07

FCC §15.407(a) (5) & (e) – 26dB & 6dB BANDWIDTH

Applicable Standard

(a)(5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3.
 - (A) 26dB Bandwidth
Set RBW = approximately 1% of the emission bandwidth.
Set the VBW > RBW. Detector= Peak. Trace mode = max hold. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
 - (B) 6dB Bandwidth
Set RBW = 100 kHz. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
Detector = Peak. Trace mode = max hold. Sweep = auto couple. Allow the trace to stabilize. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
 - (C) 99% Occupied Bandwidth
The following procedure shall be used for measuring (99 %) power bandwidth:
 1. Set center frequency to the nominal EUT channel center frequency.
 2. Set span = 1.5 times to 5.0 times the OBW.
 3. Set RBW = 1 % to 5 % of the OBW
 4. Set VBW $\geq 3 \cdot$ RBW
 5. Use the 99 % power bandwidth function of the instrument.
4. Repeat above procedures until all frequencies measured were complete.

Test Data

Environmental Conditions

Temperature:	22 ~ 28 °C
Relative Humidity:	38 ~ 59 %
ATM Pressure:	95.0 ~ 95.6 kPa

* The testing was performed by Tom Tang on 2018-03-30 and 2018-04-03.

Test Result: Pass. Please refer to the following tables and plots.

Test mode: Transmitting

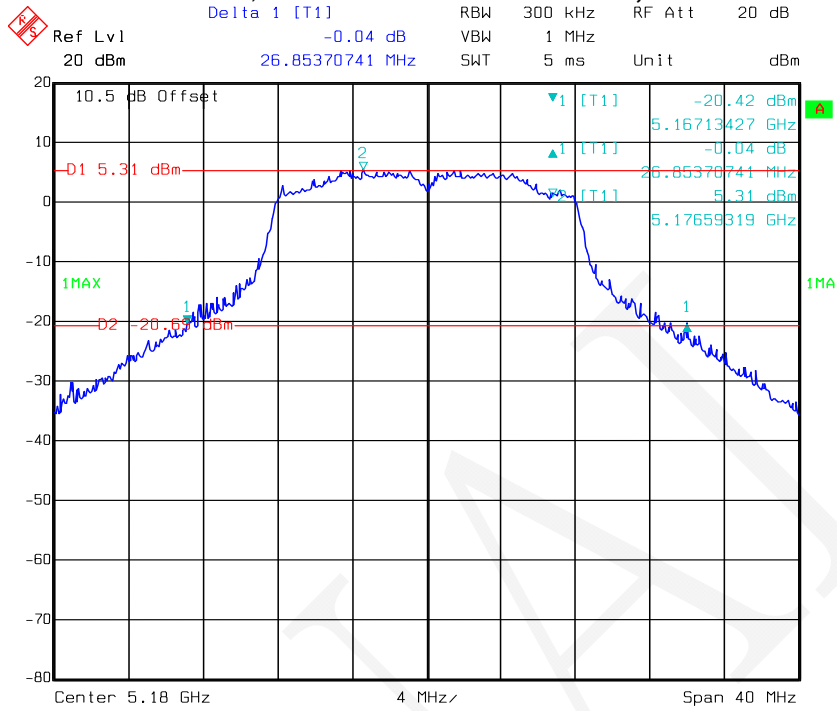
For 7265NGW Module

For 5150-5250 MHz:

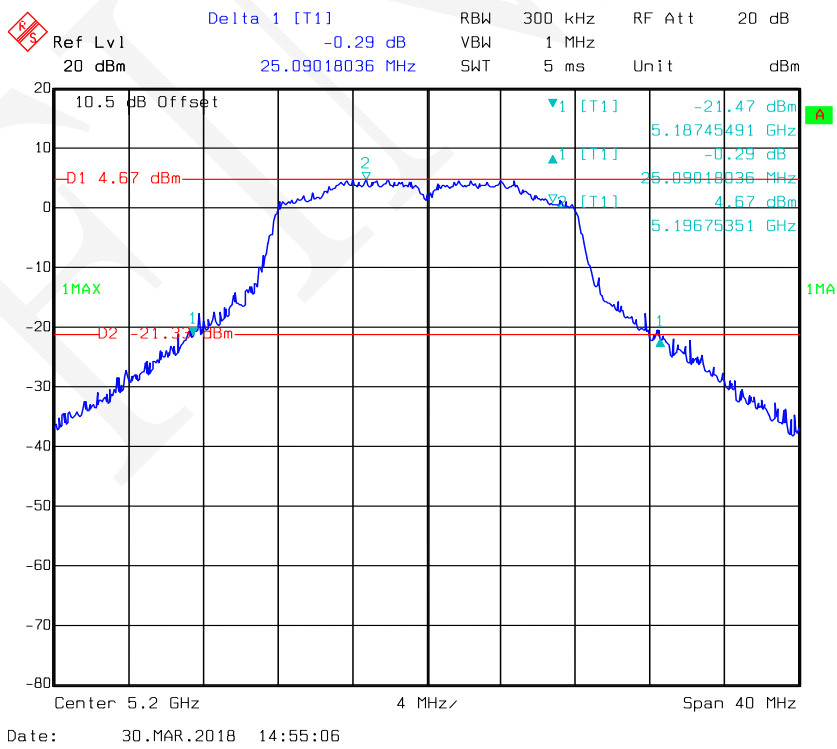
Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
			Antenna 1	Antenna 2	Antenna 1	Antenna 2
802.11a	Low	5180	26.85	26.69	16.99	16.91
	Middle	5200	25.09	24.77	16.91	16.91
	High	5240	24.93	24.69	16.83	16.83
802.11n-HT20	Low	5180	25.33	24.37	17.88	17.88
	Middle	5200	24.05	25.65	17.96	17.80
	High	5240	24.93	25.25	17.96	17.88
802.11n-HT40	Low	5190	42.65	42.16	36.39	36.55
	High	5230	42.32	42.65	36.55	36.39
802.11ac20	Low	5180	25.01	25.01	17.88	17.88
	Middle	5200	25.49	23.89	17.88	17.88
	High	5240	25.09	25.01	17.80	17.88
802.11ac40	Low	5190	42.48	42.81	36.39	36.55
	High	5230	42.65	43.45	36.39	36.39
802.11ac80	-	5210	82.73	82.08	75.35	75.67

Note: the 99% Occupied Bandwidth doesn't extend U-NII-2A band 5250-5350MHz.

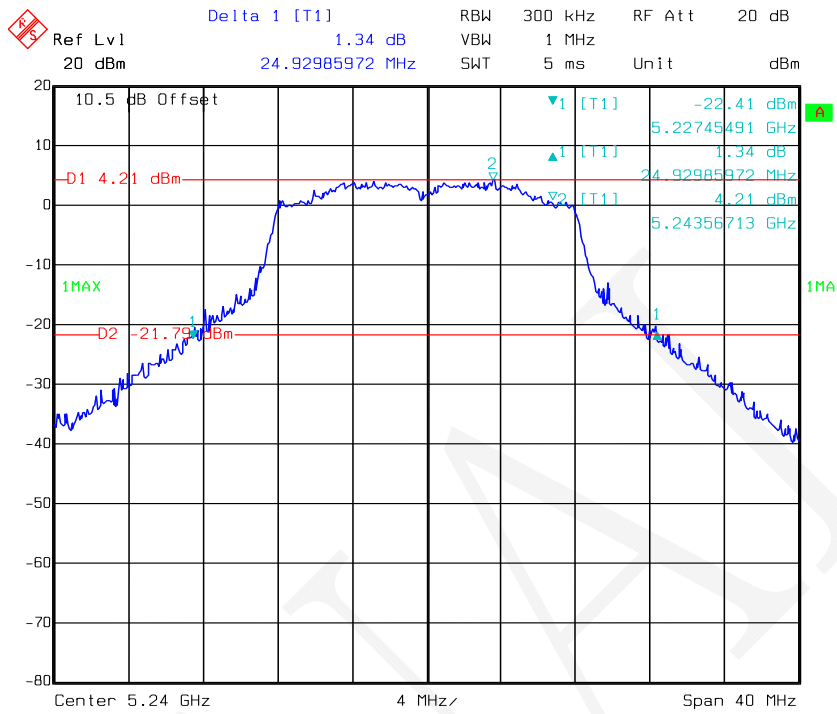
802.11a mode, 26 dB Bandwidth-5180 MHz, Antenna 1



802.11a mode, 26 dB Bandwidth-5200 MHz, Antenna 1

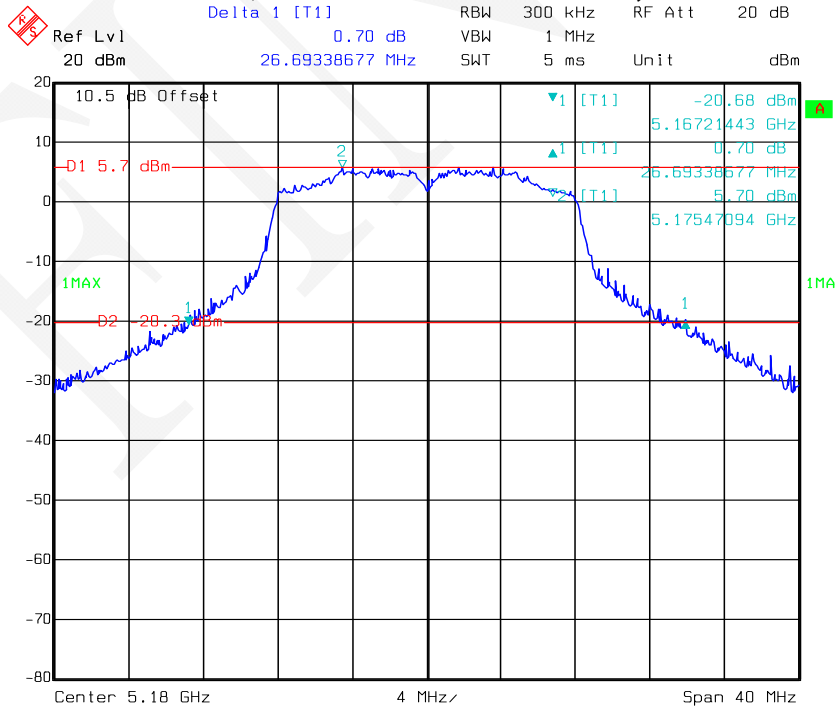


802.11a mode, 26 dB Bandwidth-5240 MHz, Antenna 1



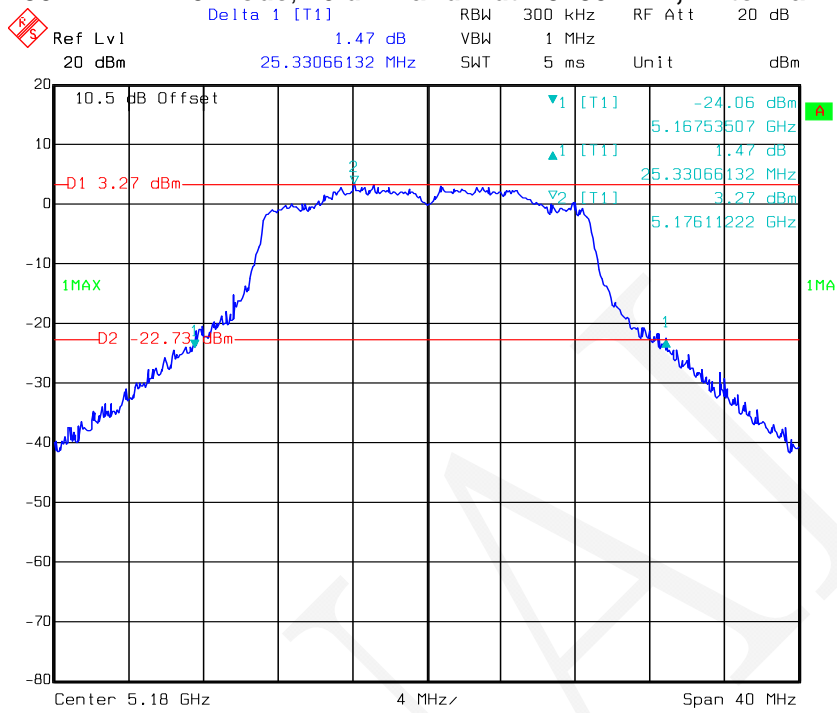
Date: 30.MAR.2018 14:56:20

802.11a mode, 26 dB Bandwidth-5180 MHz, Antenna 2



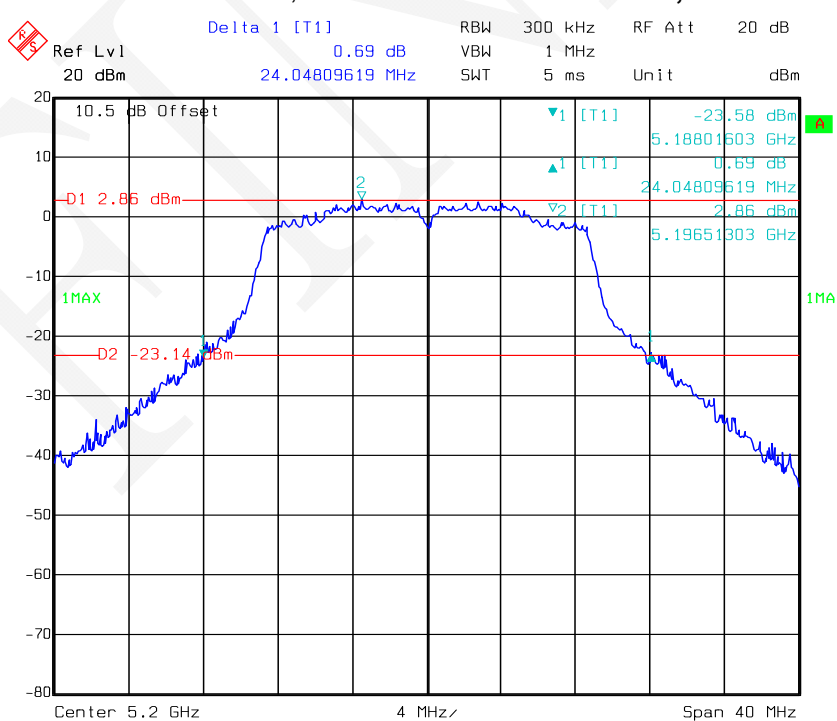
Date: 30.MAR.2018 14:43:33

802.11n-HT20 mode, 26 dB Bandwidth-5180 MHz, Antenna 1



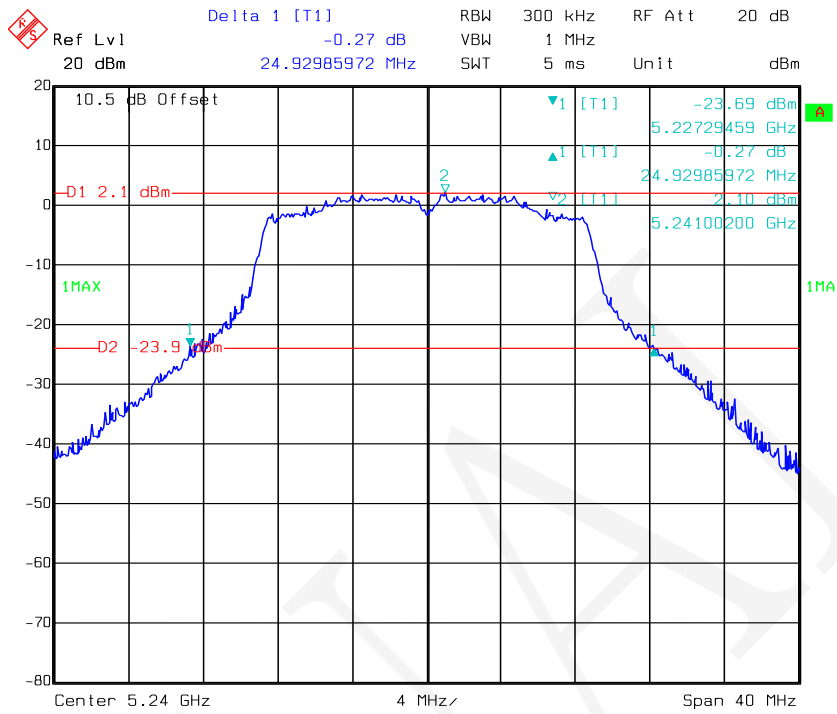
Date: 30.MAR.2018 13:21:39

802.11n-HT20 mode, 26 dB Bandwidth-5200 MHz, Antenna 1



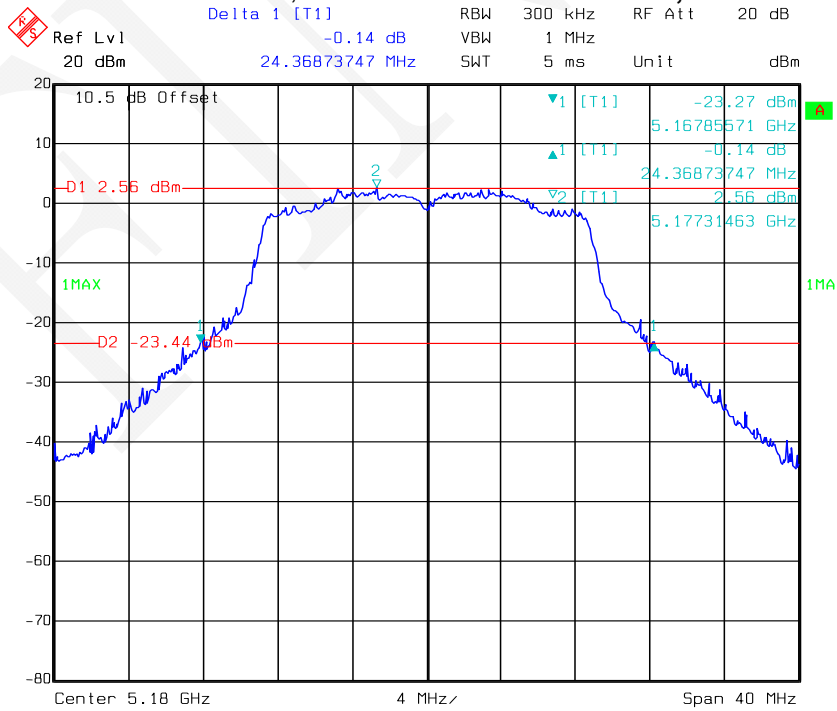
Date: 30.MAR.2018 13:23:22

802.11n-HT20 mode, 26 dB Bandwidth-5240 MHz, Antenna 1



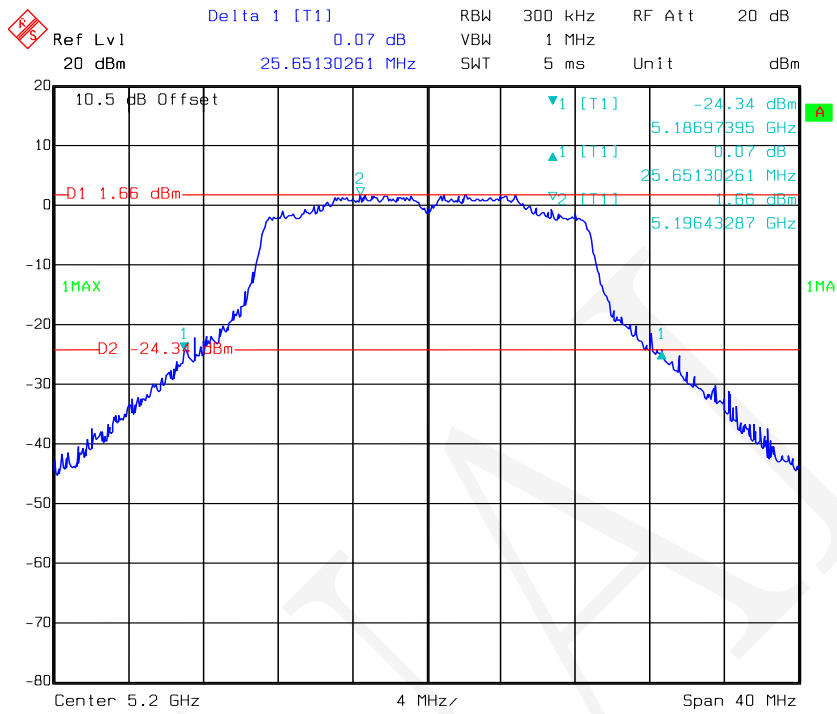
Date: 30.MAR.2018 13:24:56

802.11n-HT20 mode, 26 dB Bandwidth-5180 MHz, Antenna 2



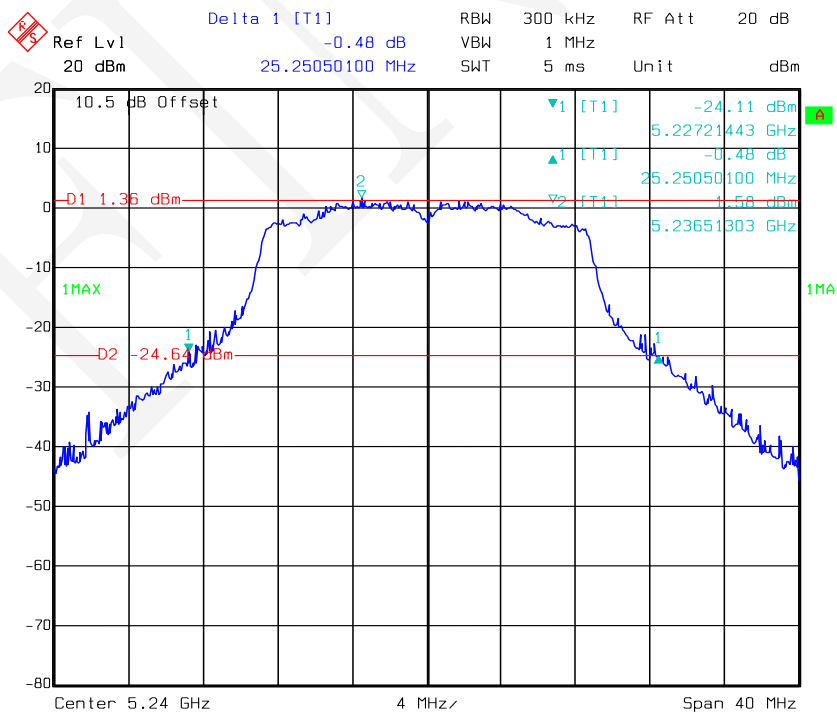
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802.11n-HT20 mode, 26 dB Bandwidth-5200 MHz, Antenna 2



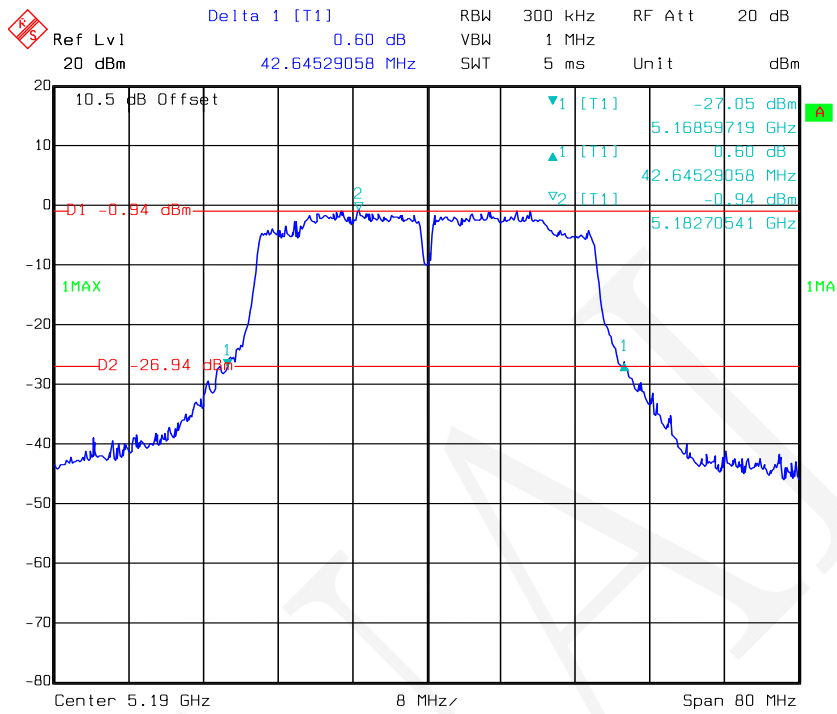
Date: 30.MAR.2018 14:16:19

802.11n-HT20 mode, 26 dB Bandwidth-5240 MHz, Antenna 2



Date: 30.MAR.2018 14:17:39

802.11n-HT40 mode, 26 dB Bandwidth-5190 MHz, Antenna 1



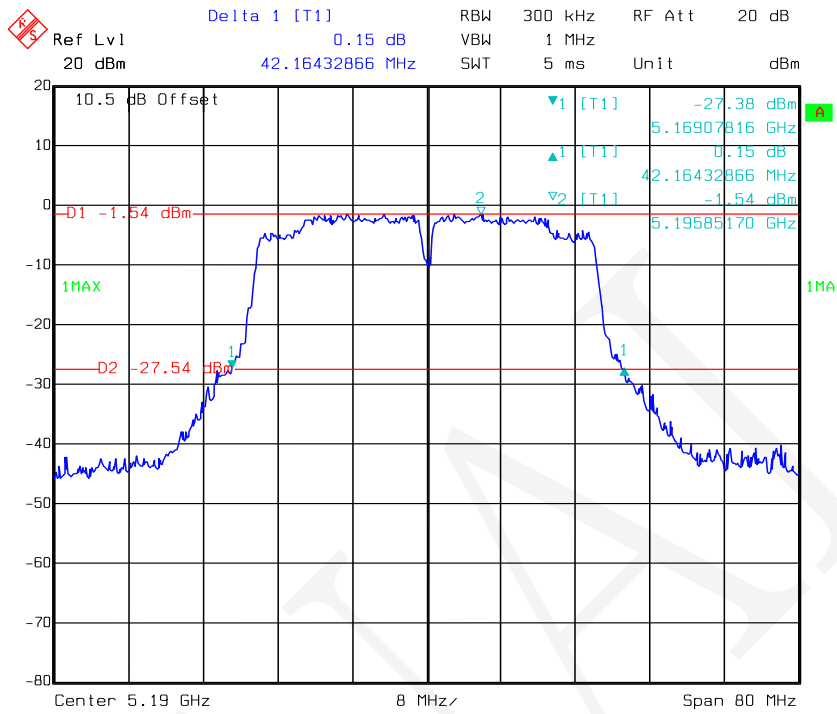
Date: 30.MAR.2018 13:33:54

802.11n-HT40 mode, 26 dB Bandwidth-5230 MHz, Antenna 1



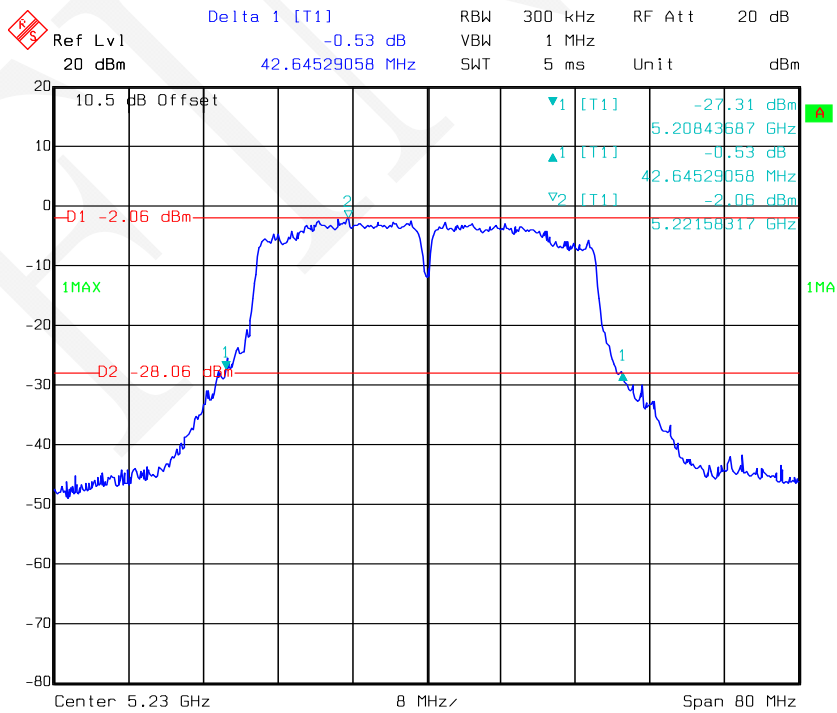
Date: 30.MAR.2018 13:35:34

802.11n-HT40 mode, 26 dB Bandwidth-5190 MHz, Antenna 2



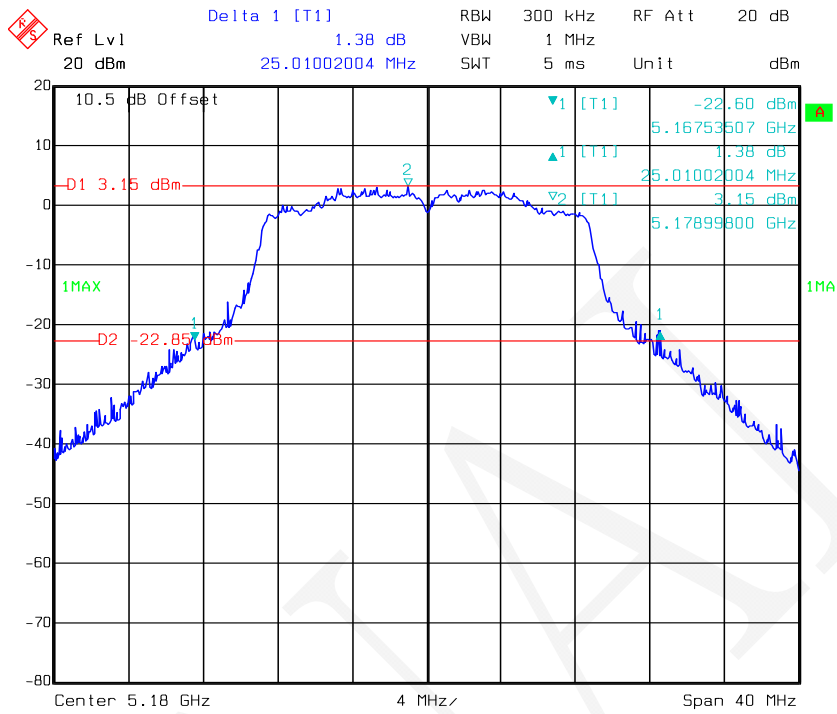
Date: 30.MAR.2018 14:25:01

802.11n-HT40 mode, 26 dB Bandwidth-5230 MHz, Antenna 2



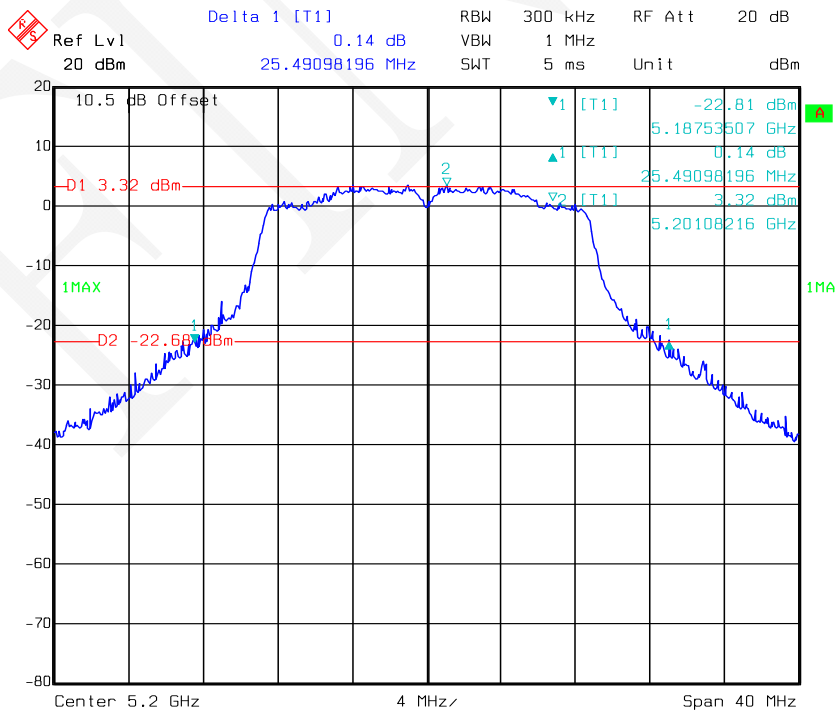
Date: 30.MAR.2018 14:26:58

802.11ac20 mode, 26 dB Bandwidth-5180 MHz, Antenna 1



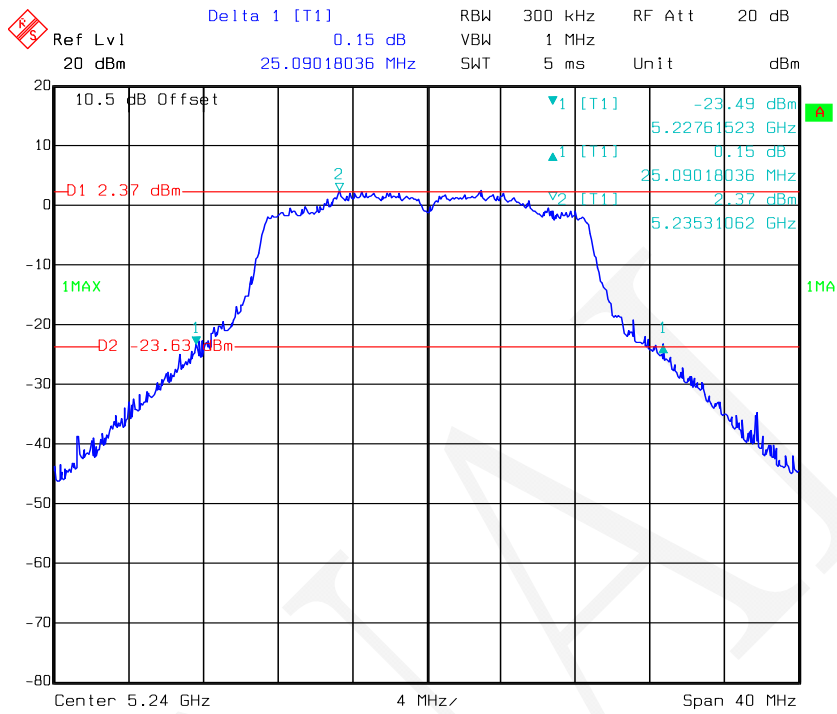
Date: 30.MAR.2018 13:26:39

802.11ac20 mode, 26 dB Bandwidth-5200 MHz, Antenna 1



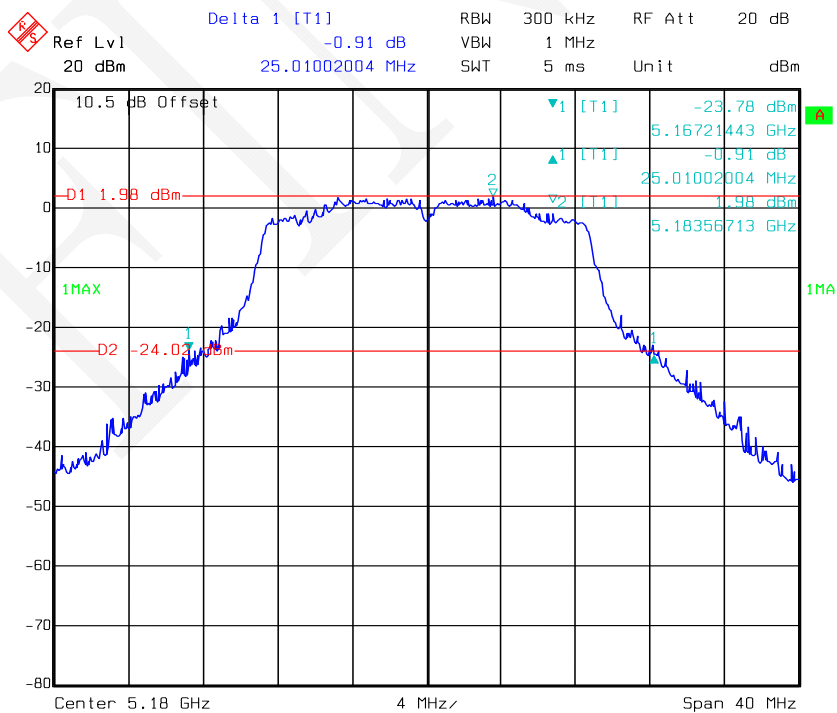
Date: 30.MAR.2018 13:30:56

802.11ac20 mode, 26 dB Bandwidth-5240 MHz, Antenna 1



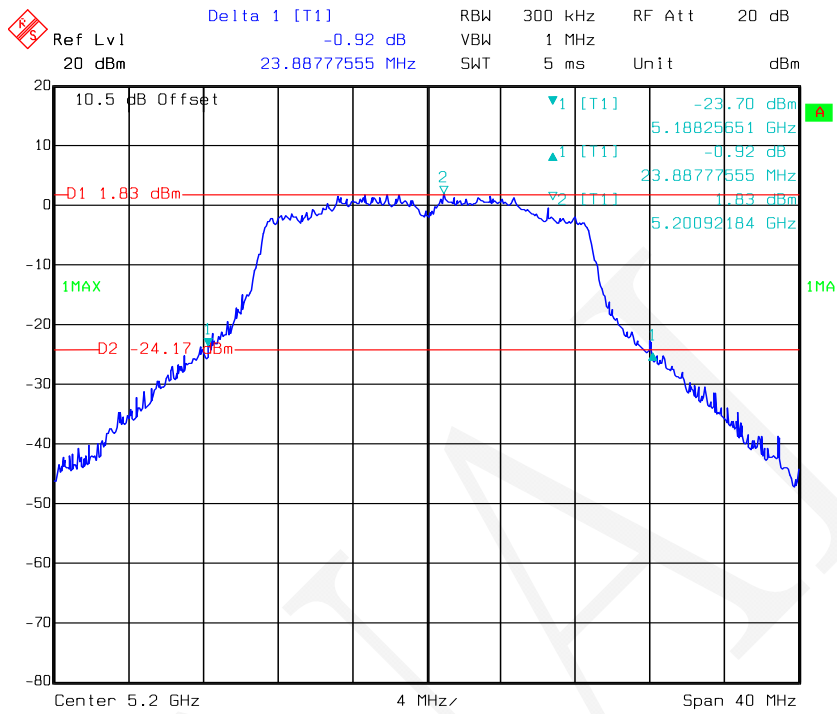
Date: 30.MAR.2018 13:32:10

802.11ac20 mode, 26 dB Bandwidth-5180 MHz, Antenna 2



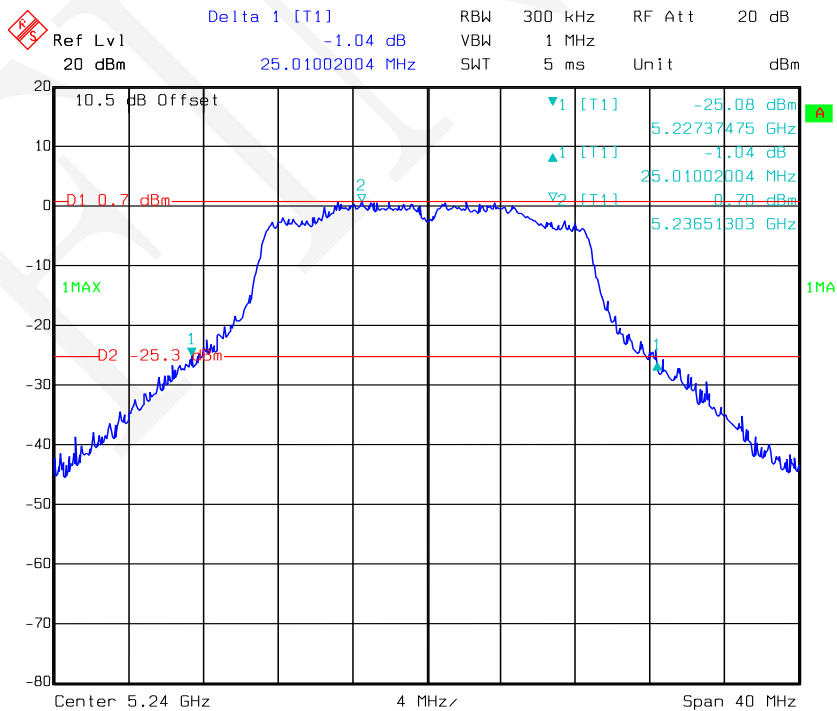
Date: 30.MAR.2018 14:19:47

802.11ac20 mode, 26 dB Bandwidth-5200 MHz, Antenna 2



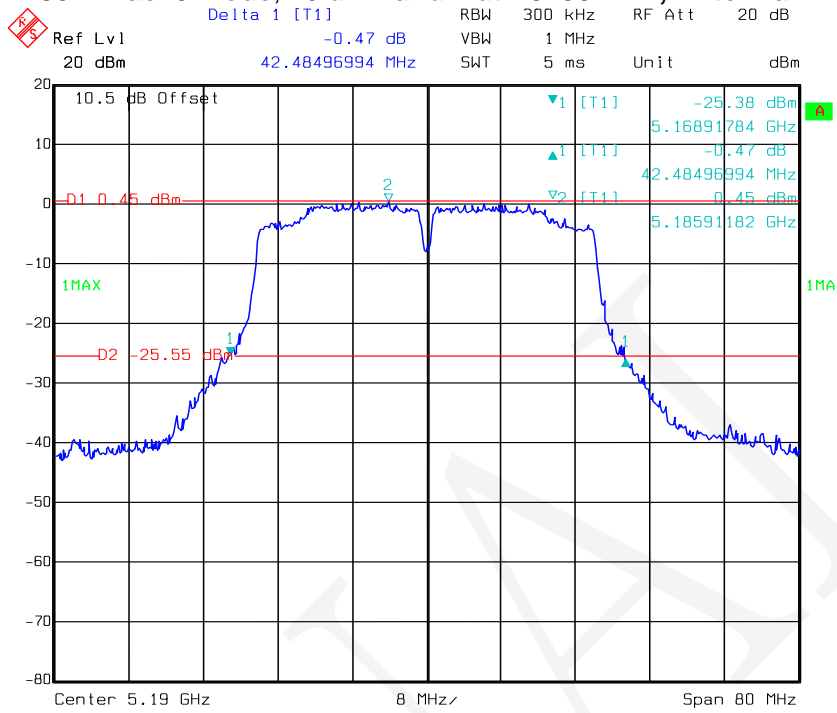
Date: 30.MAR.2018 14:21:11

802.11ac20 mode, 26 dB Bandwidth-5240 MHz, Antenna 2

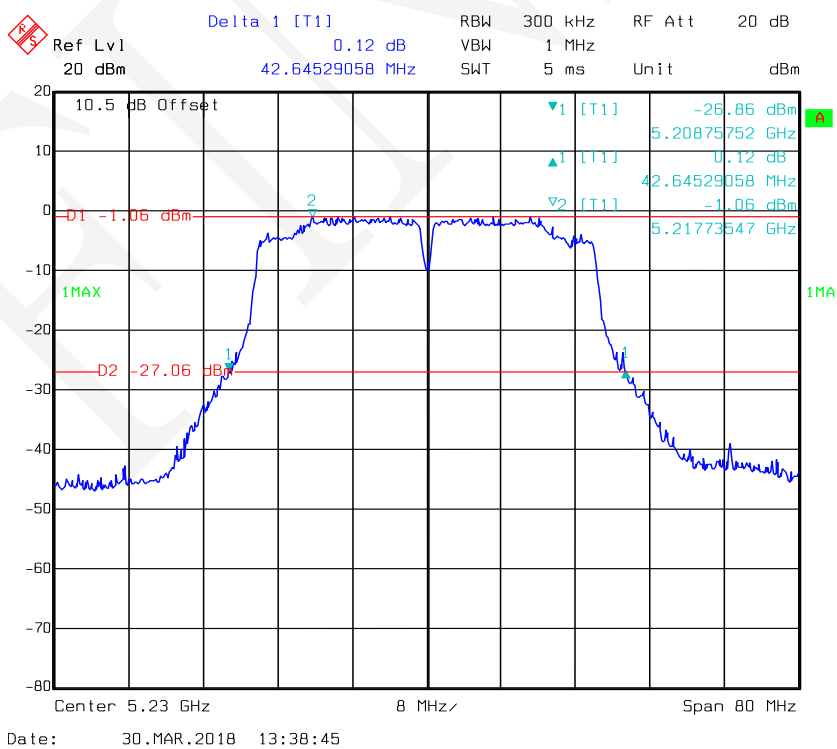


Date: 30.MAR.2018 14:22:18

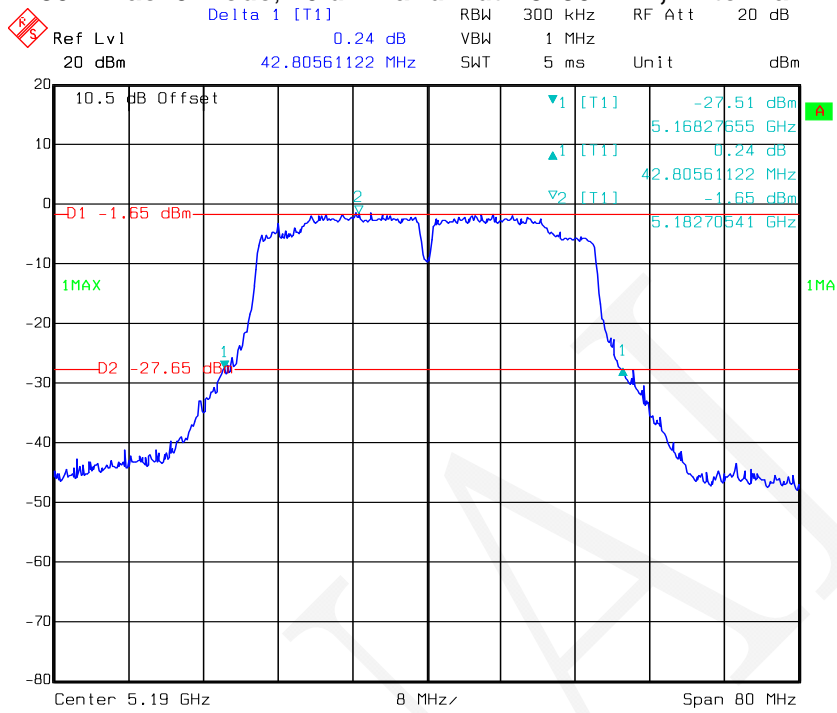
802.11ac40 mode, 26 dB Bandwidth-5190 MHz, Antenna 1



802.11ac40 mode, 26 dB Bandwidth-5230 MHz, Antenna 1

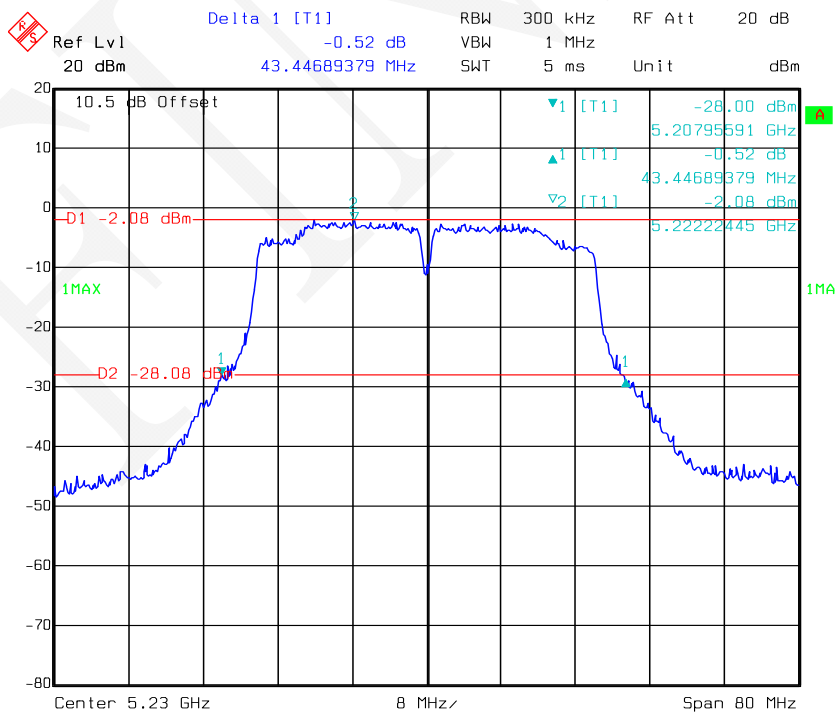


802.11ac40 mode, 26 dB Bandwidth-5190 MHz, Antenna 2



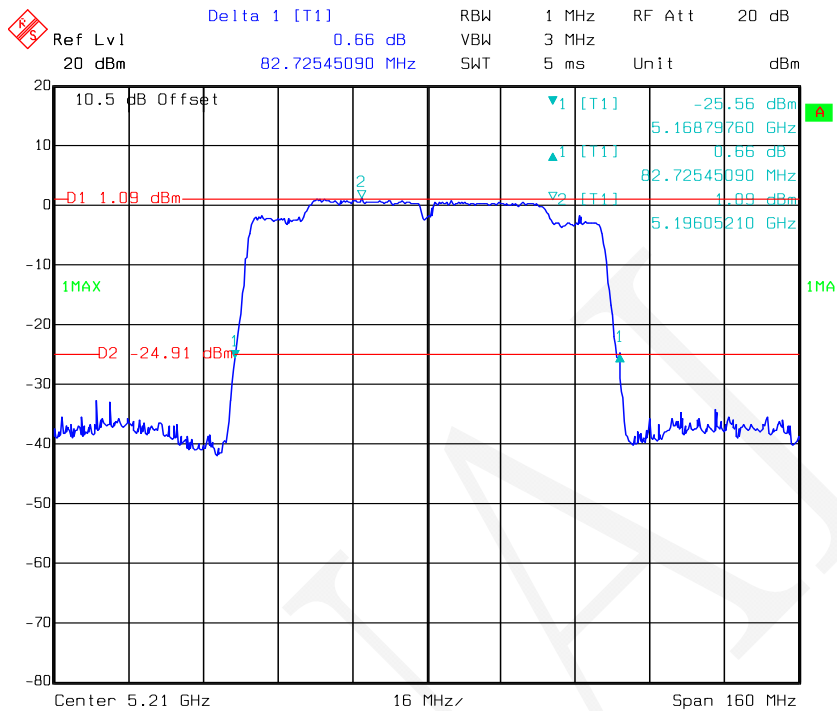
Date: 30.MAR.2018 14:28:44

802.11ac40 mode, 26 dB Bandwidth-5230 MHz, Antenna 2



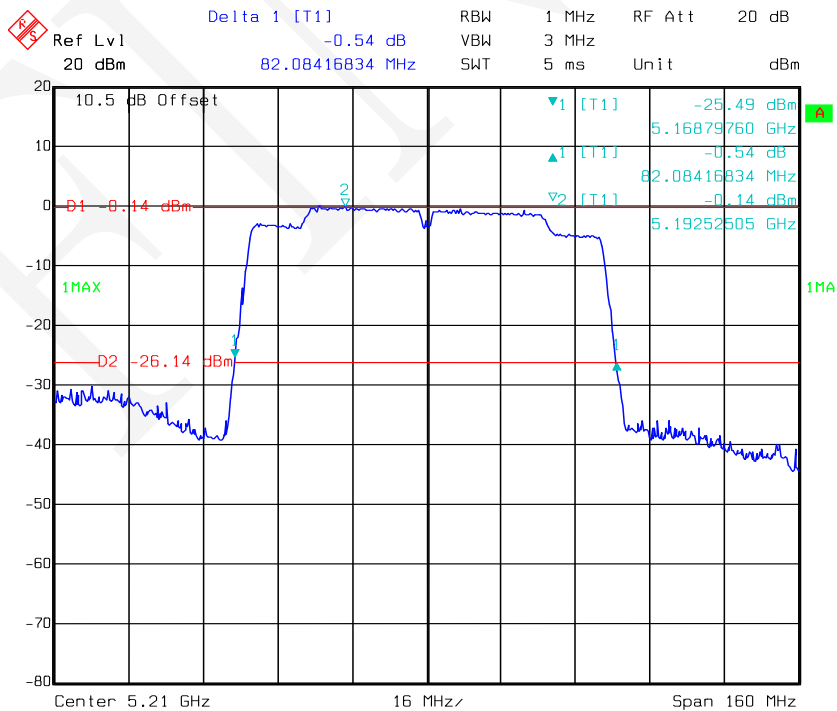
Date: 30.MAR.2018 14:30:17

802.11ac80 mode, 26 dB Bandwidth-5210 MHz, Antenna 1



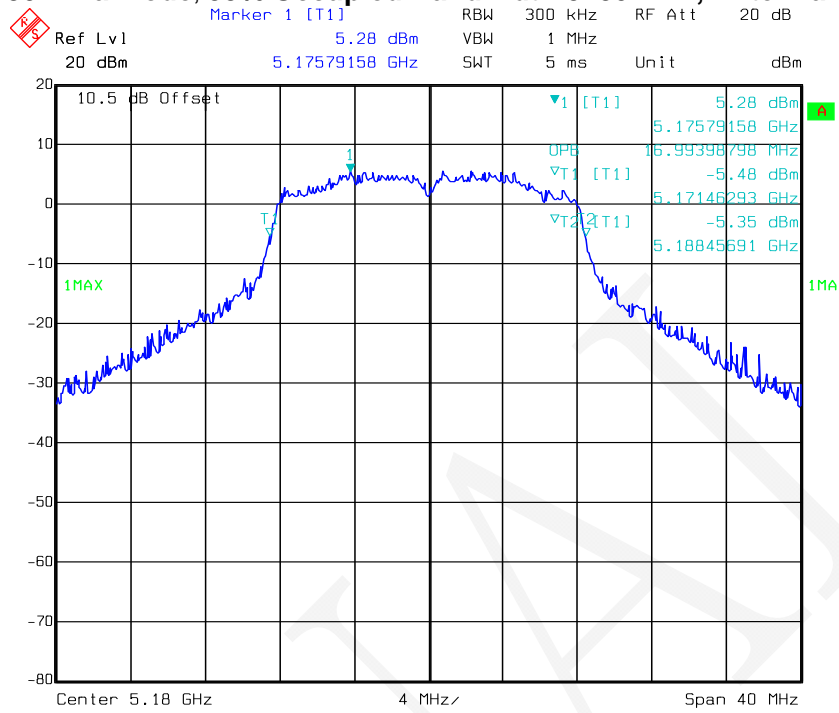
Date: 30.MAR.2018 13:50:45

802.11ac80 mode, 26 dB Bandwidth-5210 MHz, Antenna 2

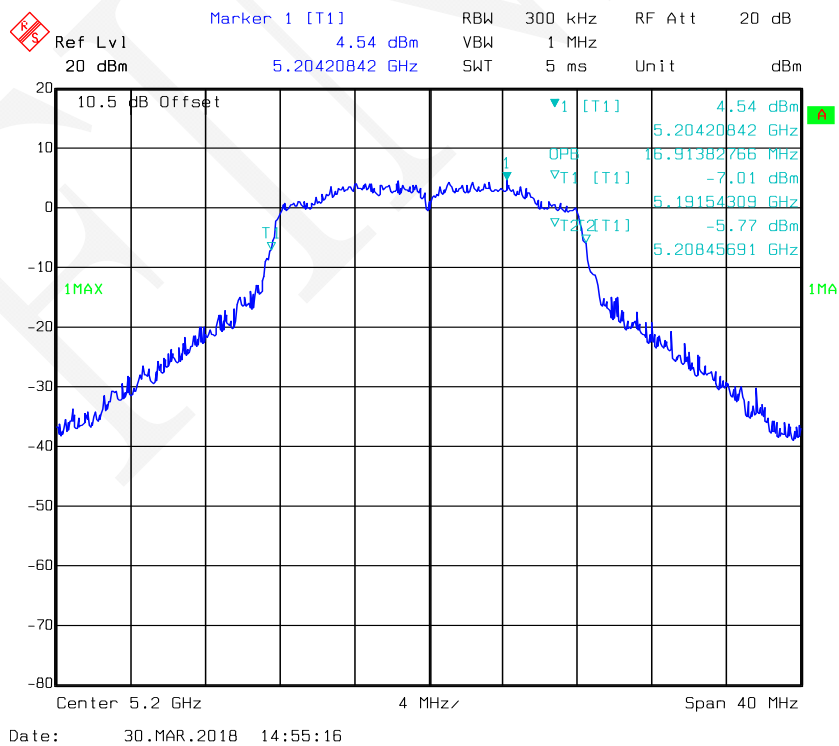


Date: 30.MAR.2018 14:33:34

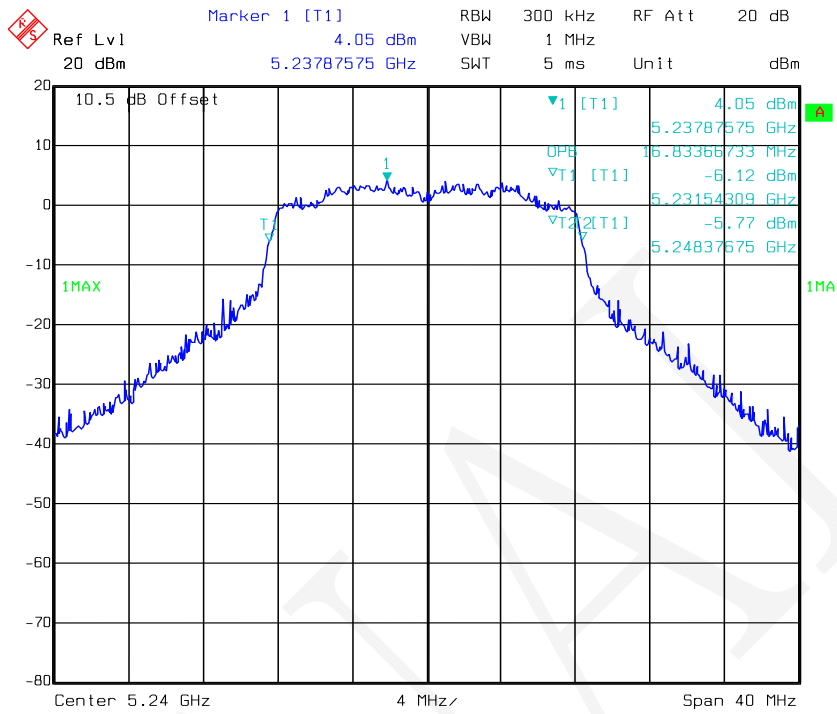
802.11a mode, 99% Occupied Bandwidth-5180 MHz, Antenna 1



802.11a mode, 99% Occupied Bandwidth -5200 MHz, Antenna 1

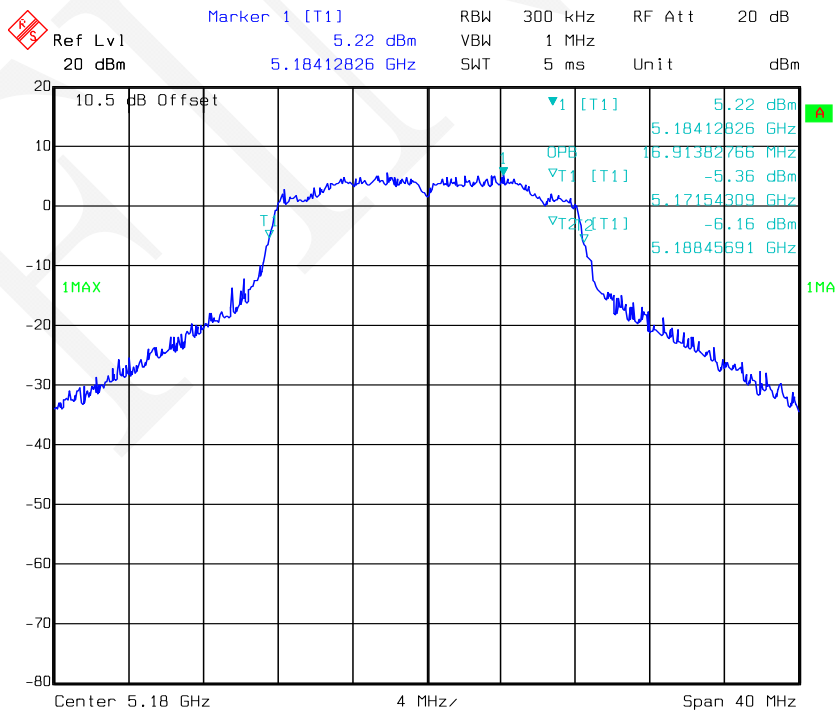


802.11a mode, 99% Occupied Bandwidth -5240 MHz, Antenna 1



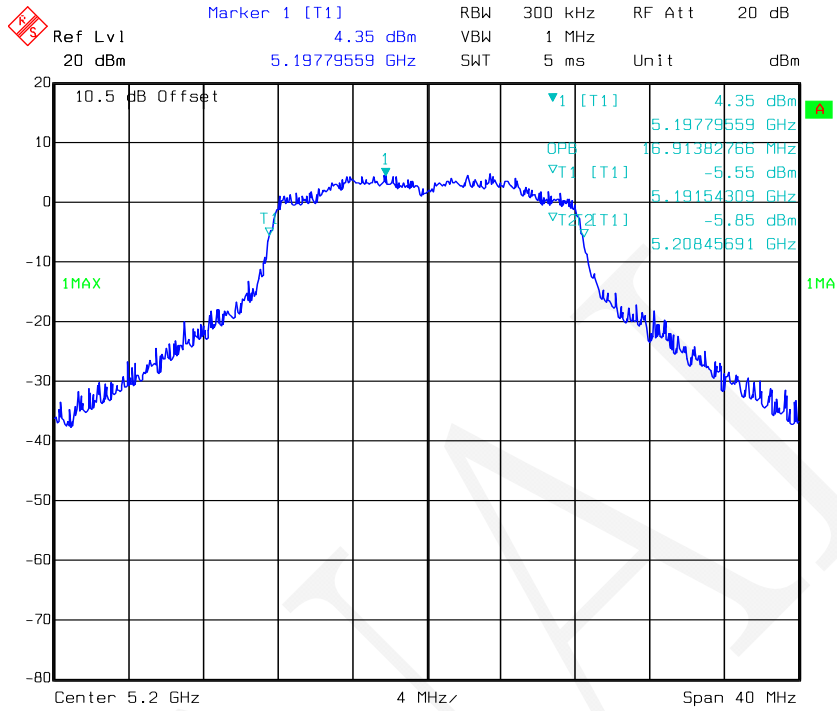
Date: 30.MAR.2018 14:56:30

802.11a mode, 99% Occupied Bandwidth-5180 MHz, Antenna 2



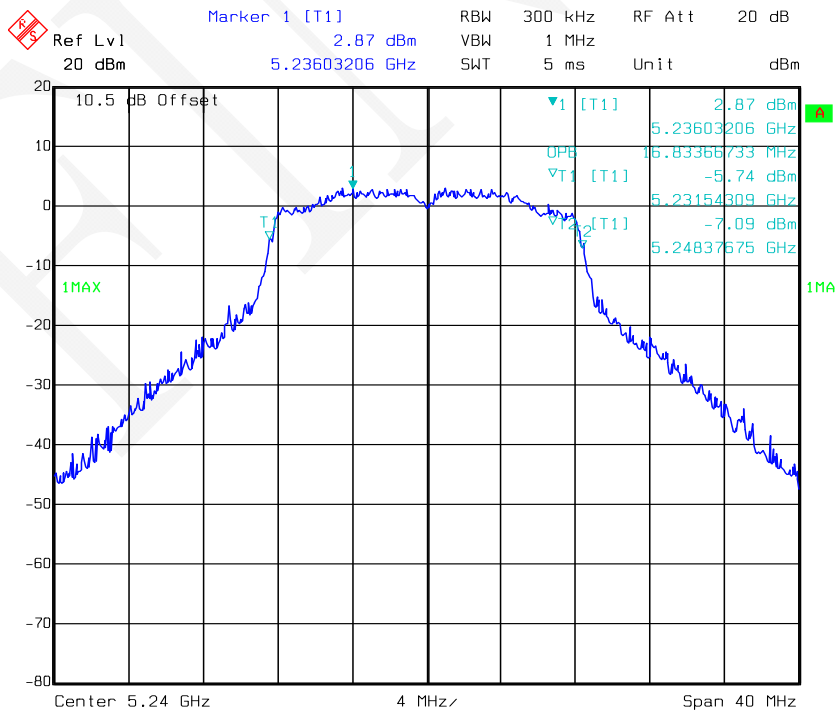
Date: 30.MAR.2018 14:43:42

802.11a mode, 99% Occupied Bandwidth -5200 MHz, Antenna 2



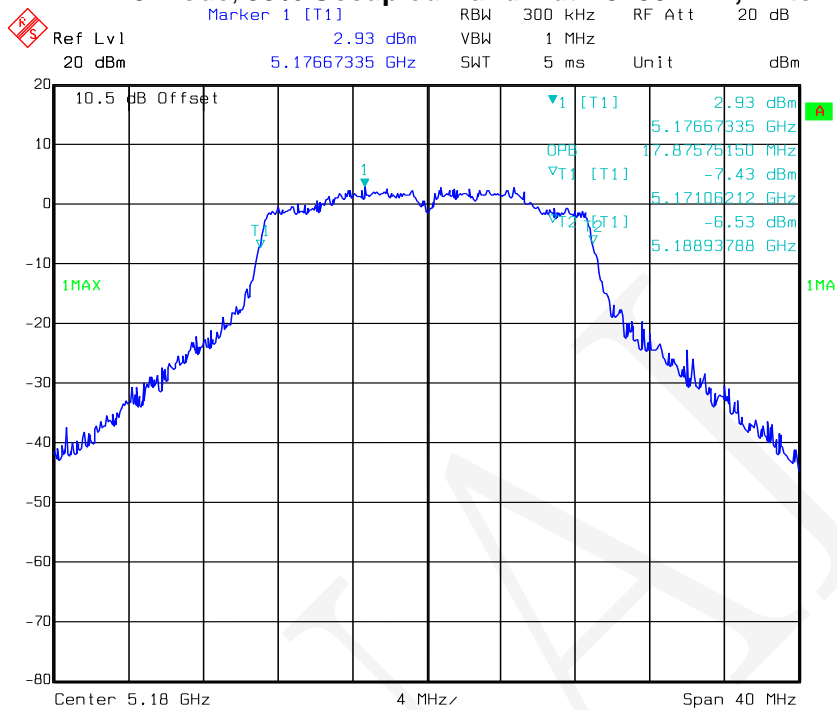
Date: 30.MAR.2018 14:45:10

802.11a mode, 99% Occupied Bandwidth -5240 MHz, Antenna 2

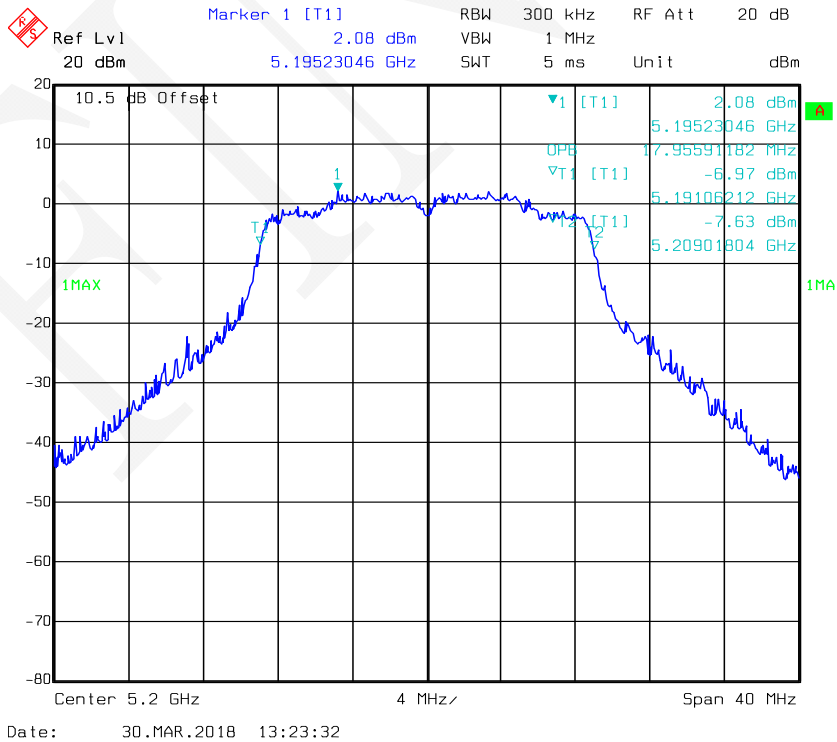


Date: 30.MAR.2018 14:46:23

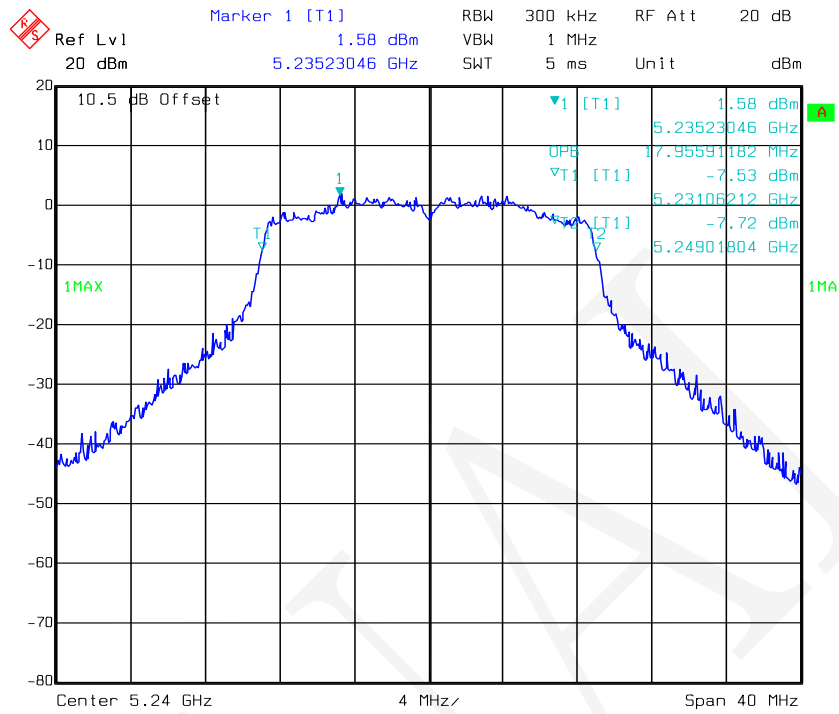
802.11n-HT20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 1



802.11n-HT20 mode, 99% Occupied Bandwidth -5200 MHz, Antenna 1

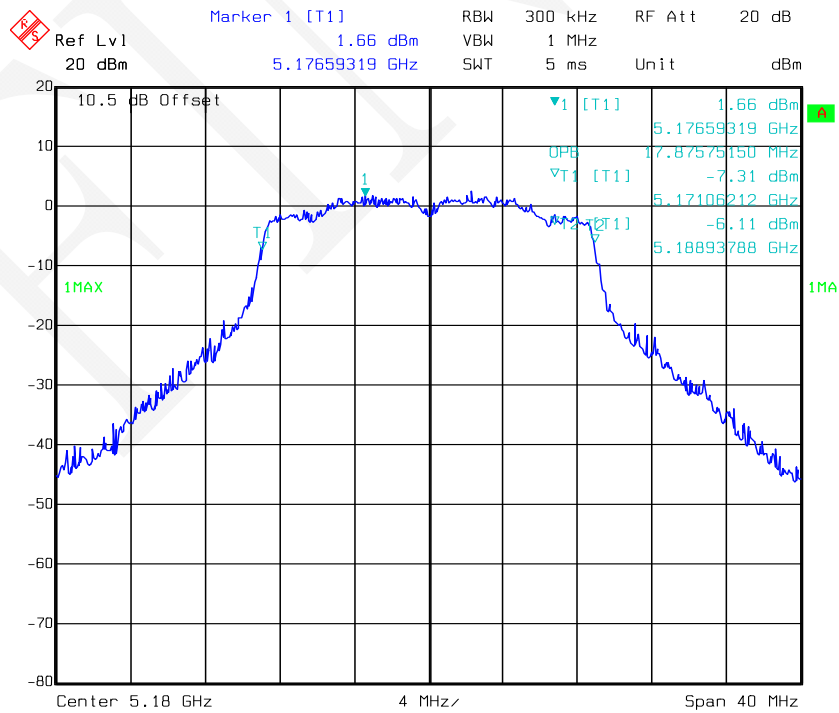


802.11n-HT20 mode, 99% Occupied Bandwidth -5240 MHz, Antenna 1



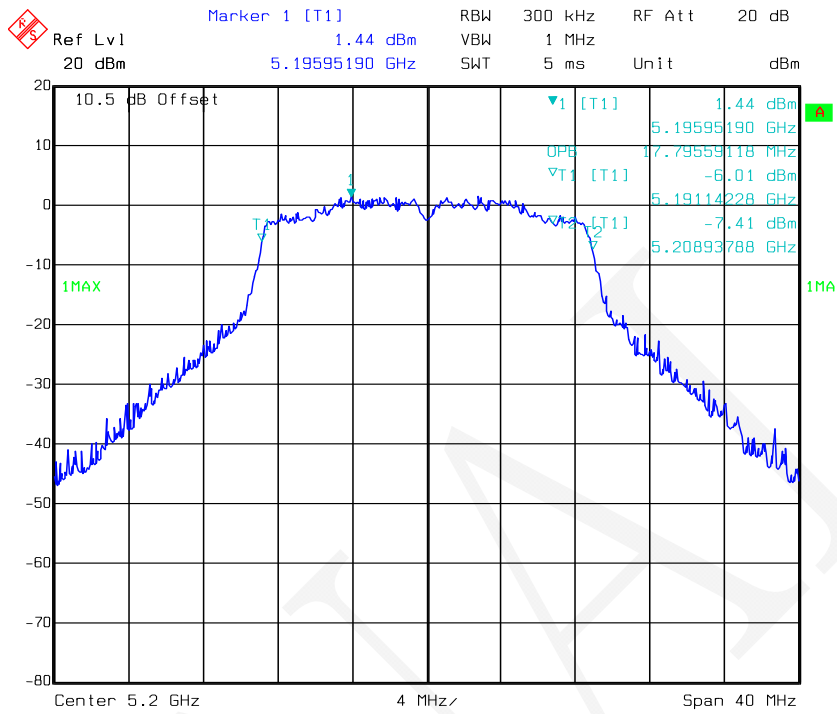
Date: 30.MAR.2018 13:25:06

802.11n-HT20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 2



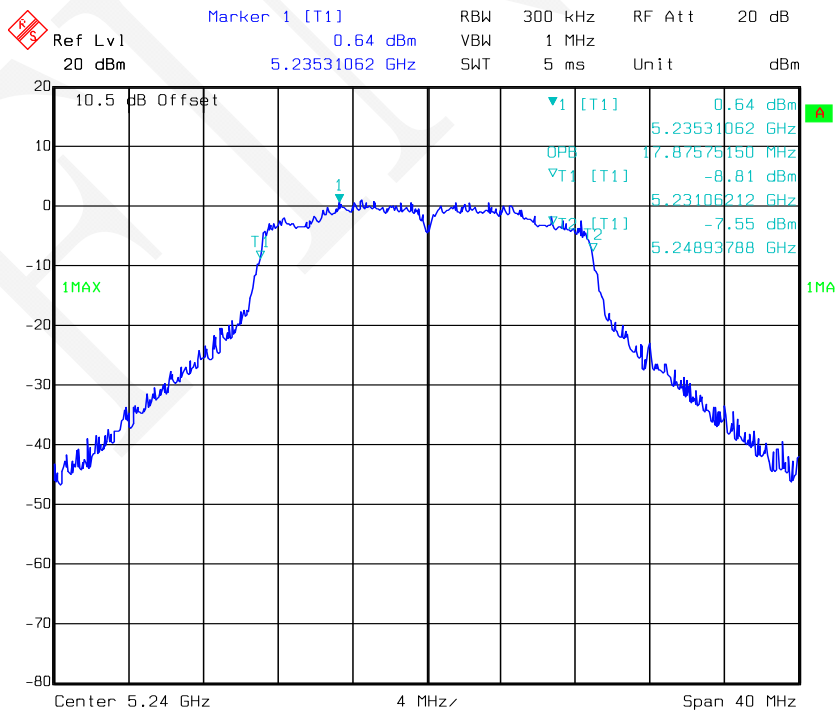
Date: 30.MAR.2018 14:14:39

802.11n-HT20 mode, 99% Occupied Bandwidth -5200 MHz, Antenna 2



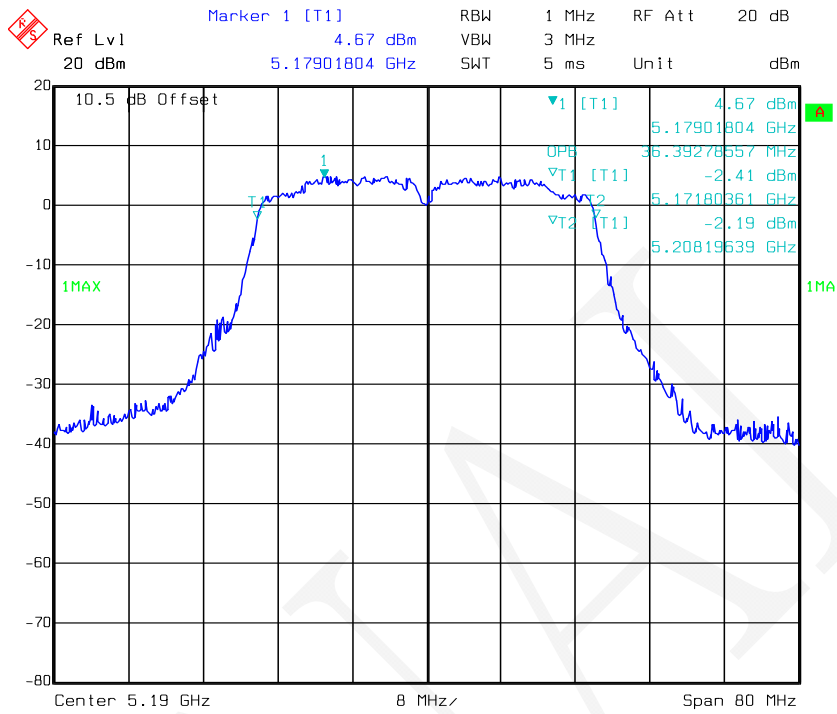
Date: 30.MAR.2018 14:16:29

802.11n-HT20 mode, 99% Occupied Bandwidth -5240 MHz, Antenna 2



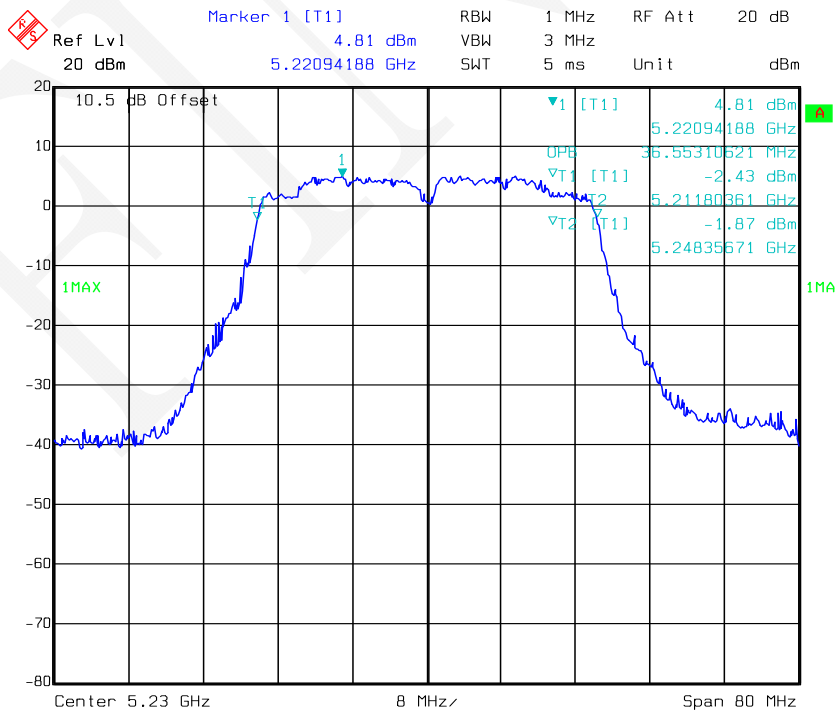
Date: 30.MAR.2018 14:17:49

802.11n-HT40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 1



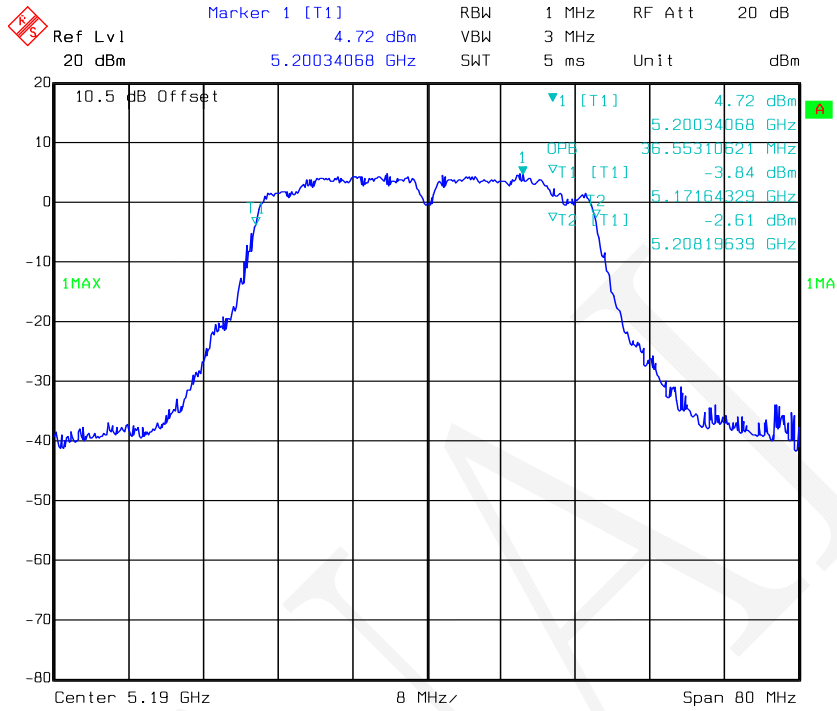
Date: 30.MAR.2018 13:34:04

802.11n-HT40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 1

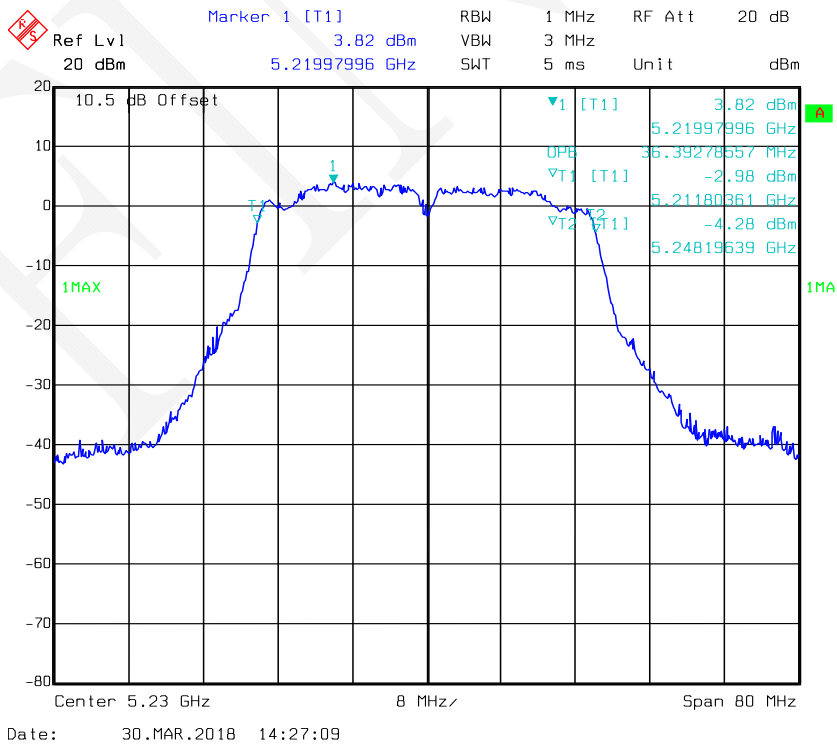


Date: 30.MAR.2018 13:35:44

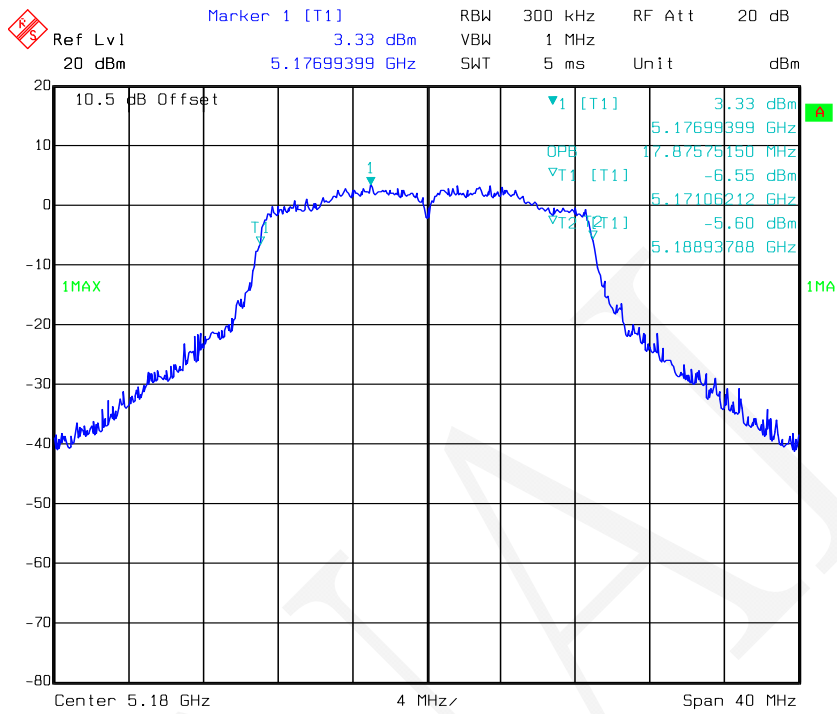
802.11n-HT40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 2



802.11n-HT40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 2

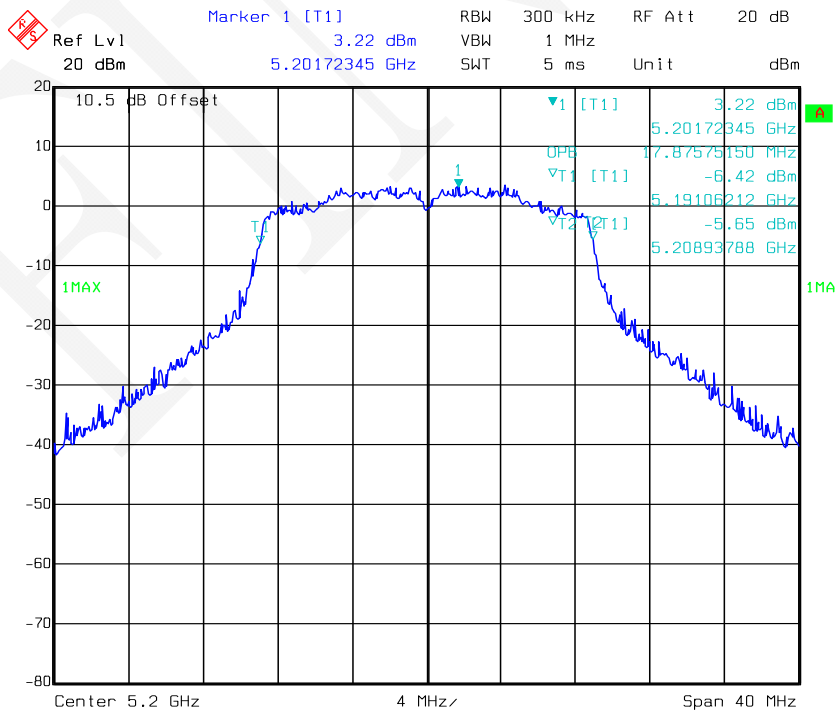


802.11ac20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 1



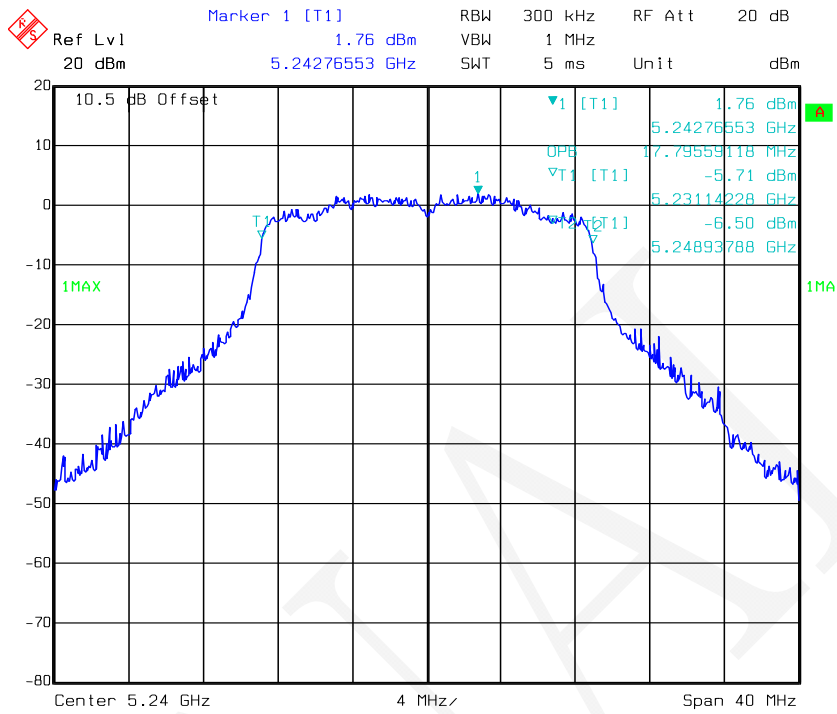
Date: 30.MAR.2018 13:26:49

802.11ac20 mode, 99% Occupied Bandwidth-5200 MHz, Antenna 1



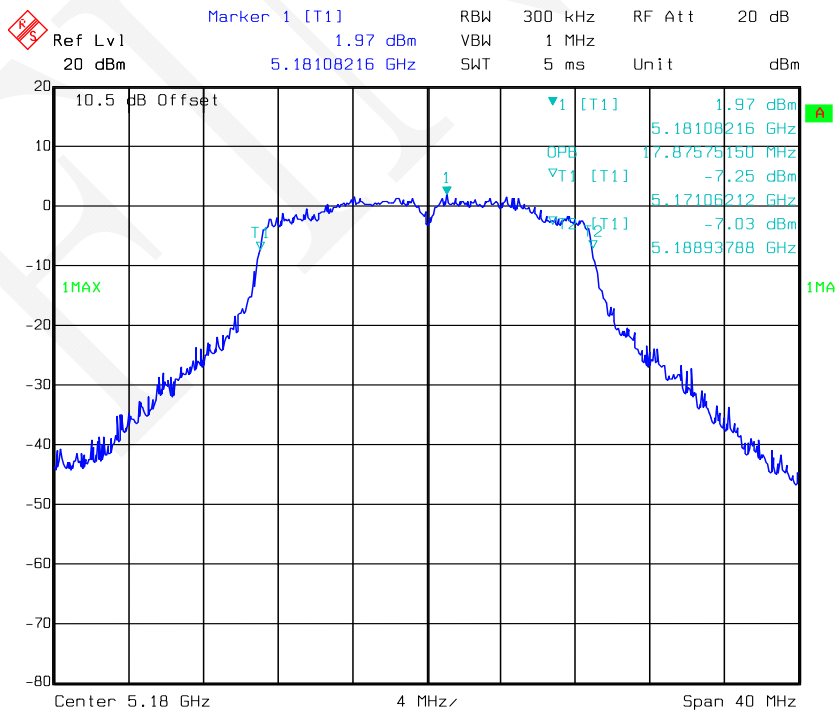
Date: 30.MAR.2018 13:31:06

802.11ac20 mode, 99% Occupied Bandwidth-5240 MHz, Antenna 1



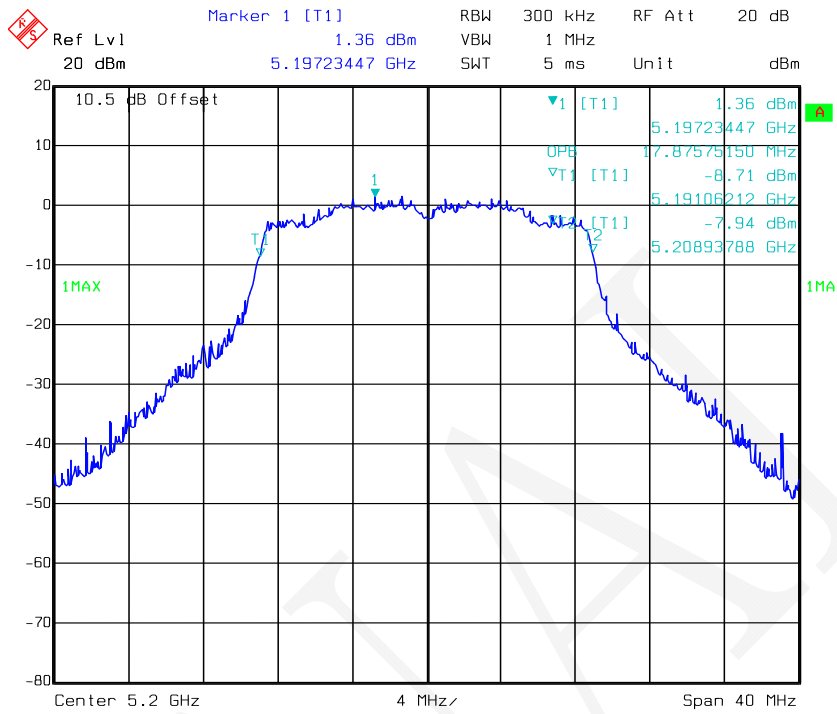
Date: 30.MAR.2018 13:32:20

802.11ac20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 2



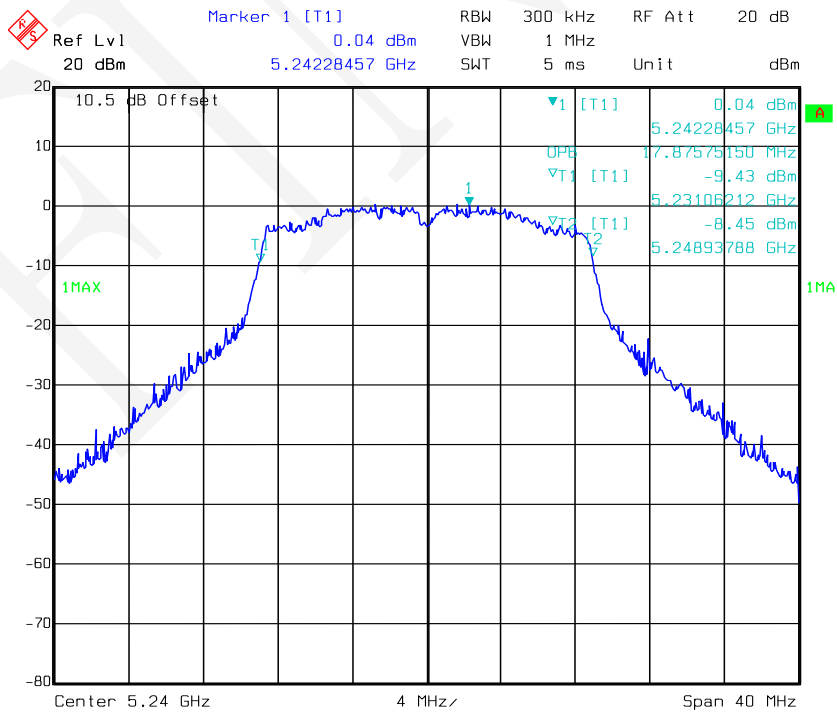
Date: 30.MAR.2018 14:19:57

802.11ac20 mode, 99% Occupied Bandwidth-5200 MHz, Antenna 2



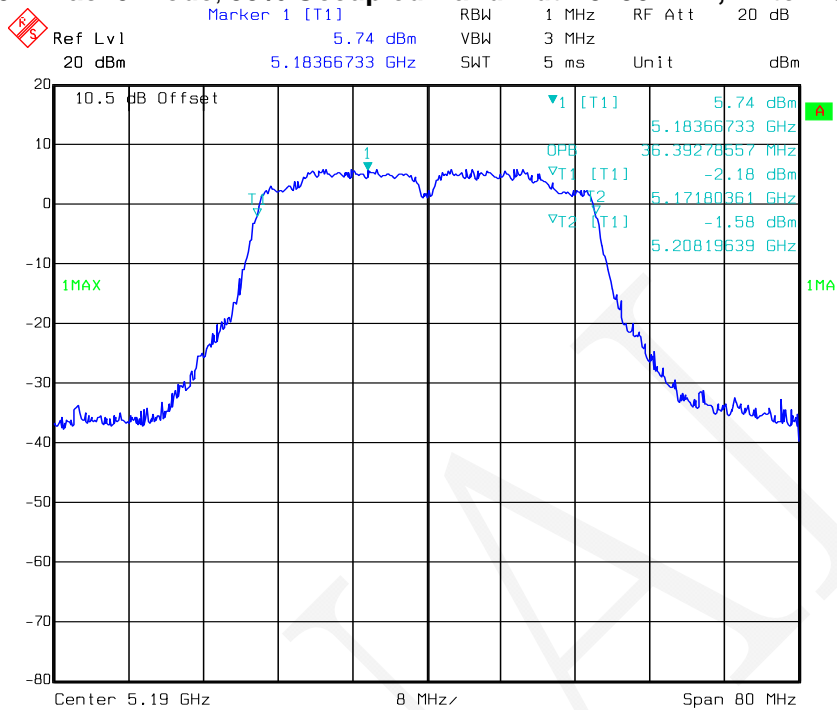
Date: 30.MAR.2018 14:21:21

802.11ac20 mode, 99% Occupied Bandwidth-5240 MHz, Antenna 2

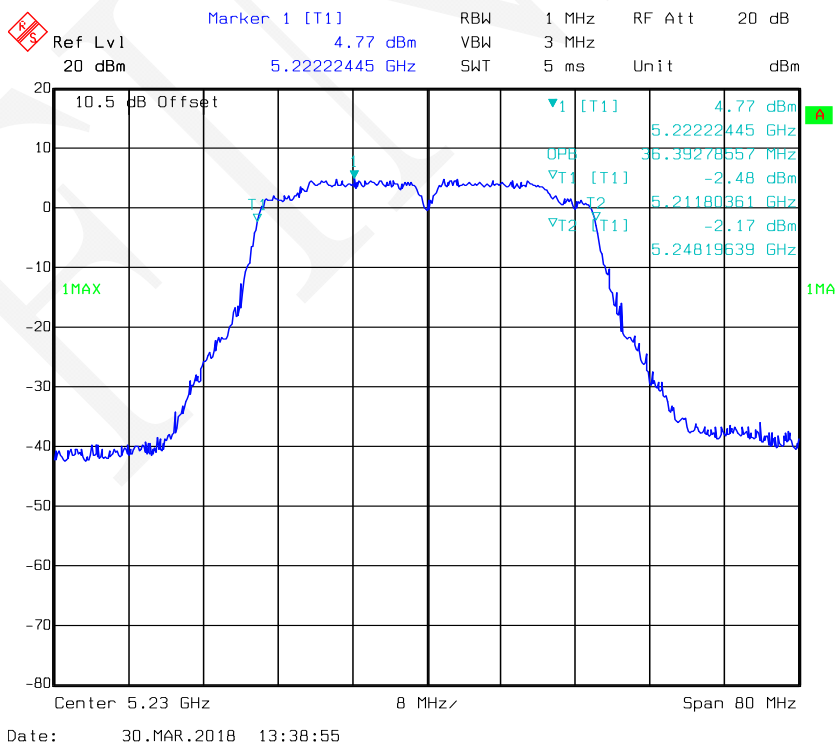


Date: 30.MAR.2018 14:22:28

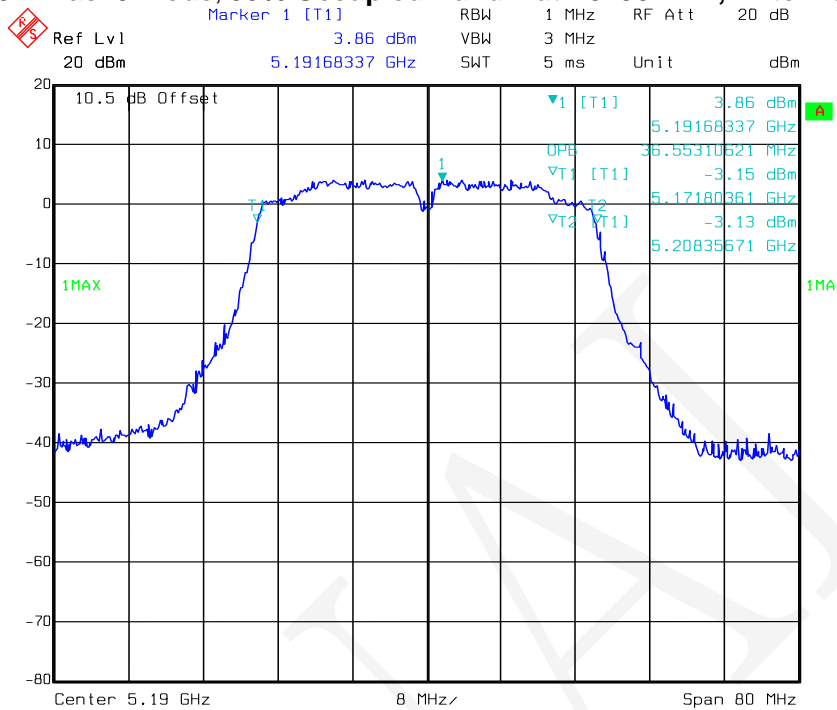
802.11ac40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 1



802.11ac40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 1

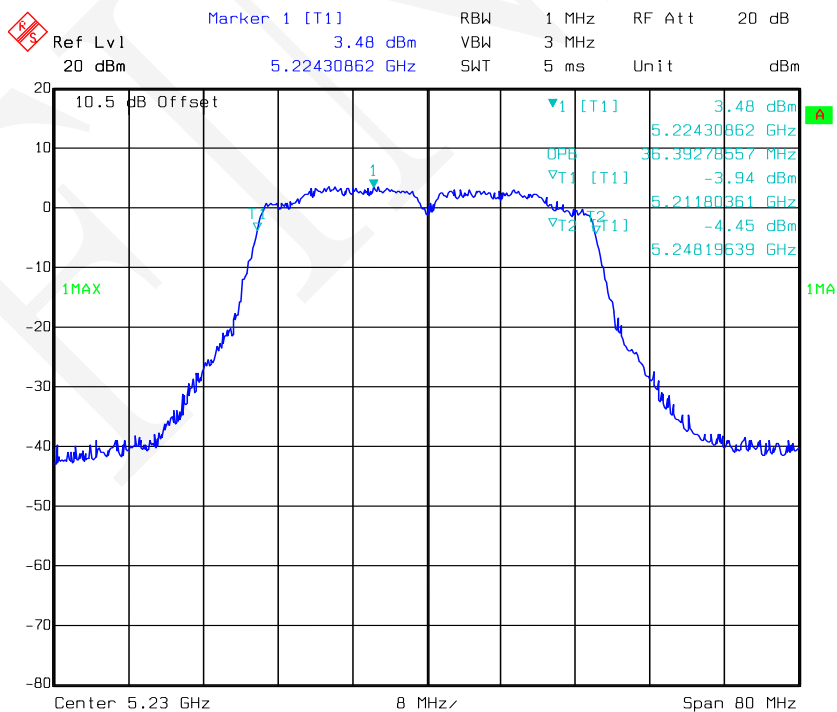


802.11ac40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 2



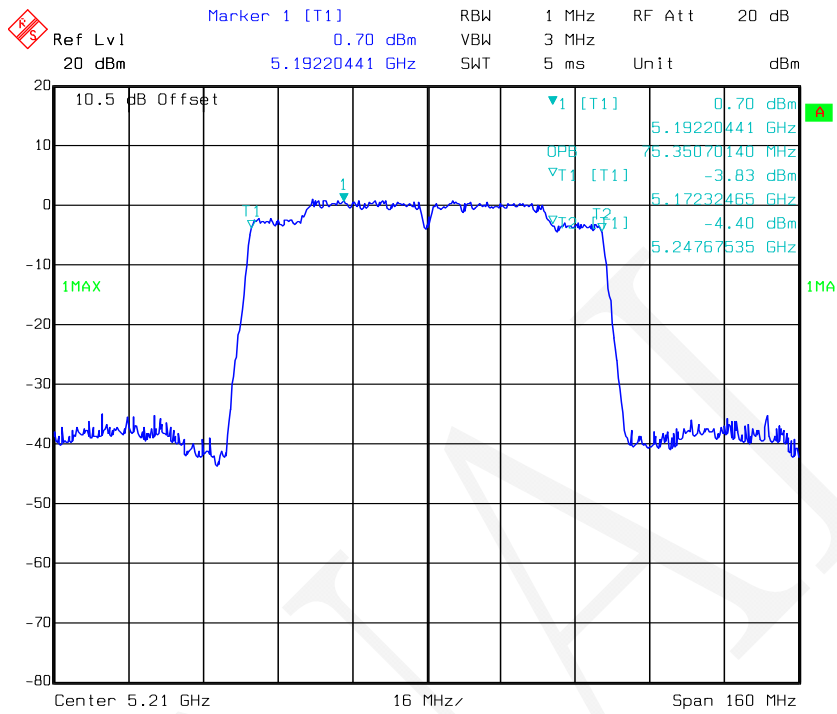
Date: 30.MAR.2018 14:28:54

802.11ac40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 2



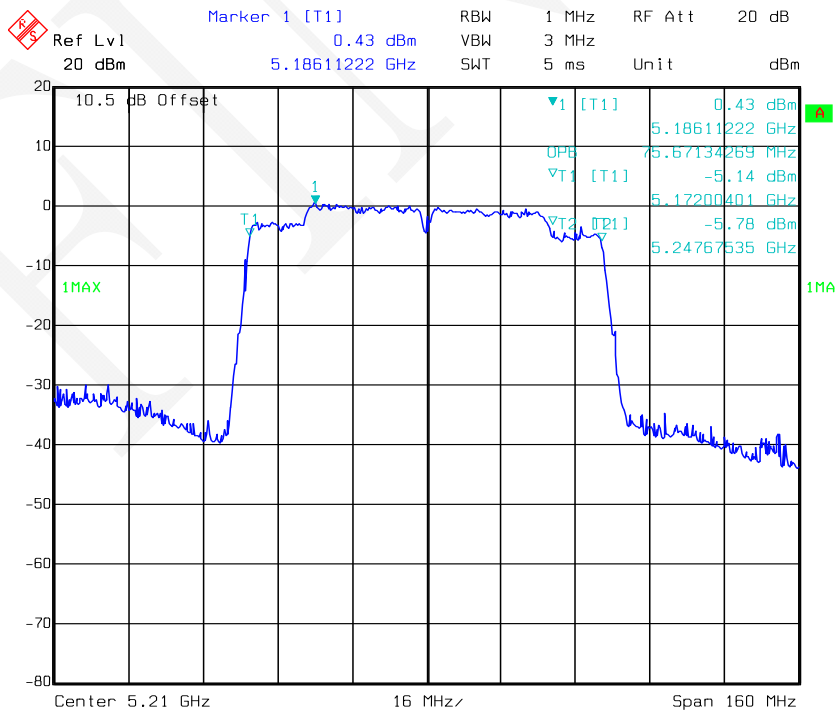
Date: 30.MAR.2018 14:30:27

802.11ac80 mode, 99% Occupied Bandwidth-5210 MHz, Antenna 1



Date: 30.MAR.2018 13:50:55

802.11ac80 mode, 99% Occupied Bandwidth-5210 MHz, Antenna 2



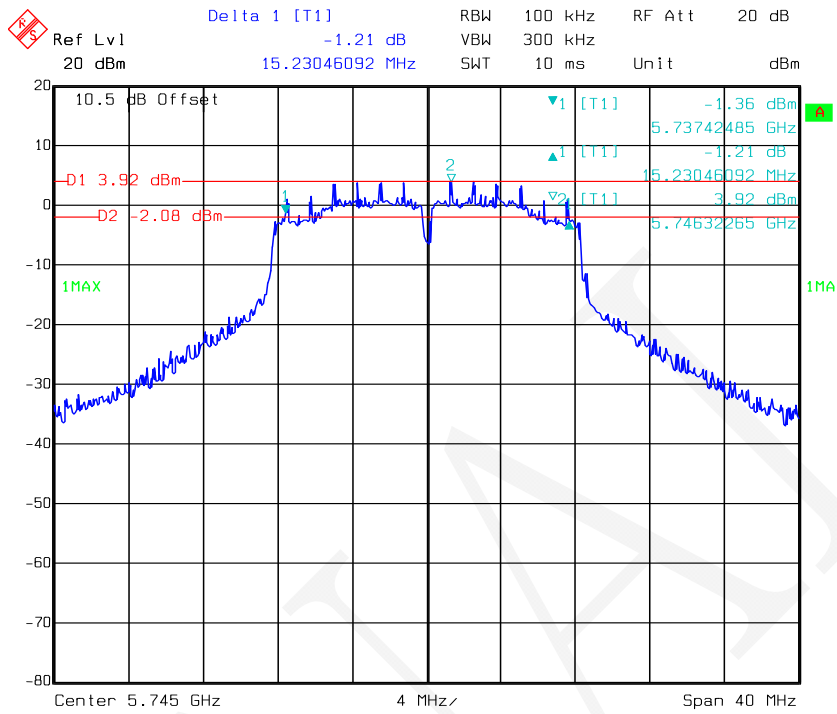
Date: 30.MAR.2018 14:33:44

For 5725-5850 MHz:

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
			Antenna 1	Antenna 2	Antenna 1	Antenna 2
802.11a	Low	5745	15.23	15.23	16.91	17.07
	Middle	5785	15.39	15.23	16.99	17.07
	High	5825	15.39	15.39	17.15	17.07
802.11n-HT20	Low	5745	15.55	15.55	17.88	17.96
	Middle	5785	15.23	15.23	17.88	17.80
	High	5825	15.23	16.03	17.96	17.96
802.11n-HT40	Low	5755	35.43	35.43	36.39	36.55
	High	5795	35.43	35.43	36.55	36.39
802.11ac20	Low	5745	15.23	15.55	17.88	17.96
	Middle	5785	16.11	15.23	17.88	17.88
	High	5825	15.23	15.31	17.96	17.96
802.11ac40	Low	5755	35.43	35.43	36.39	36.39
	High	5795	35.43	35.43	36.39	36.39
802.11ac80	-	5775	75.99	75.99	75.67	75.67

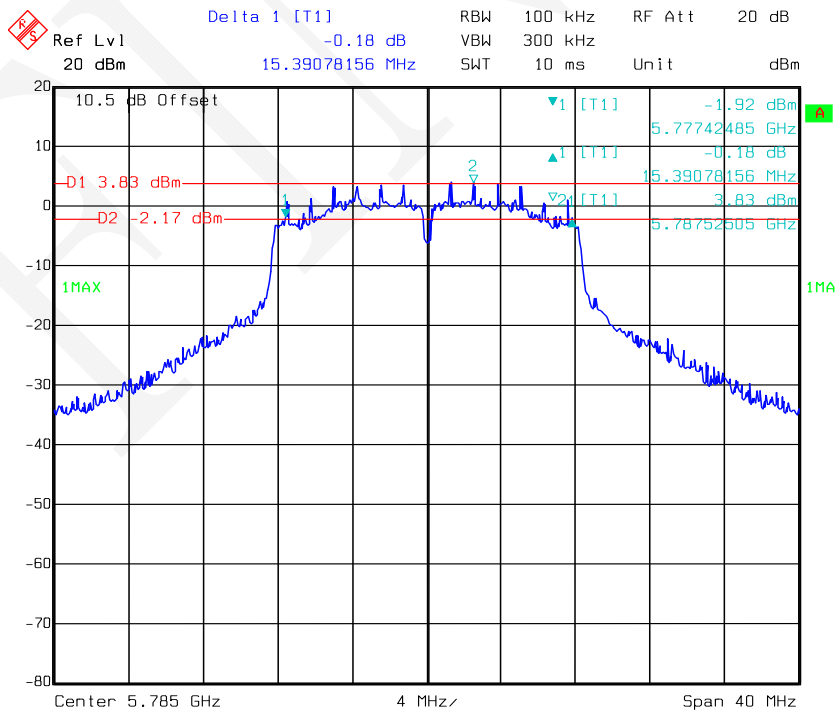
Note: the 99% Occupied Bandwidth doesn't extend U-NII-2C band 5470-5725MHz.

802.11a mode, 6 dB Bandwidth-5745 MHz, Antenna 1



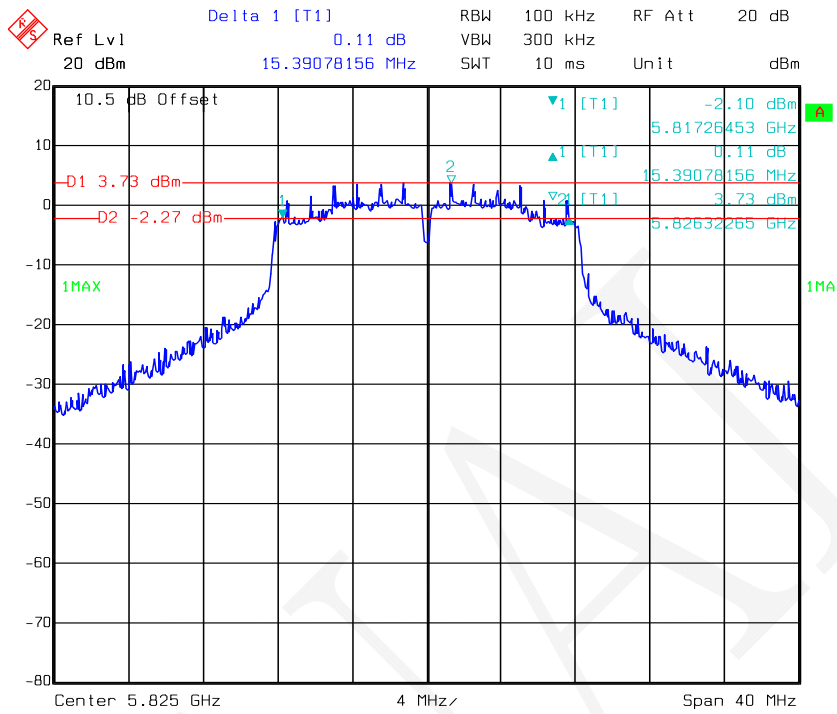
Date: 30.MAR.2018 15:18:48

802.11a mode, 6 dB Bandwidth-5785 MHz, Antenna 1



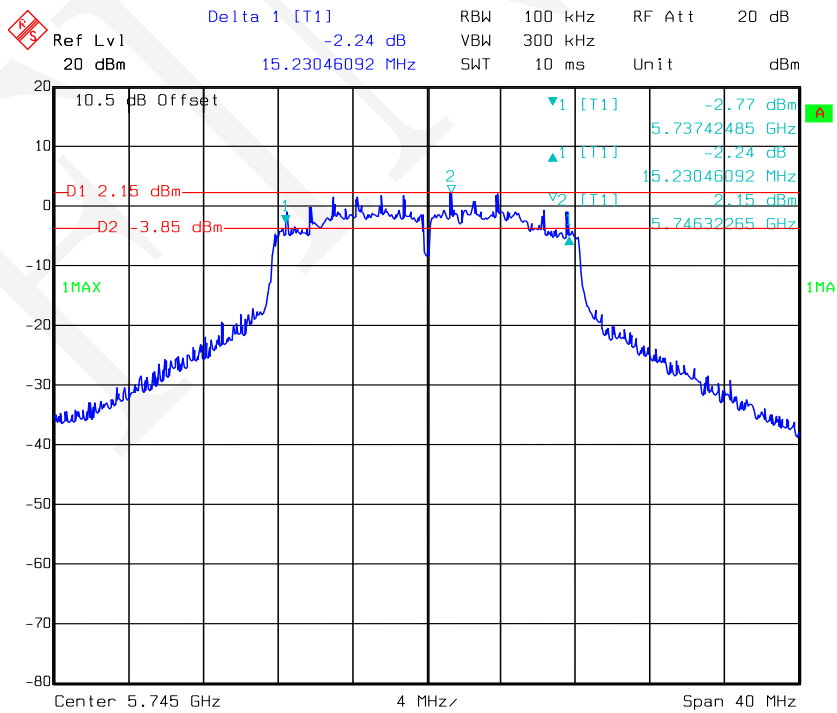
Date: 30.MAR.2018 15:20:29

802.11a mode, 6 dB Bandwidth-5825 MHz, Antenna 1



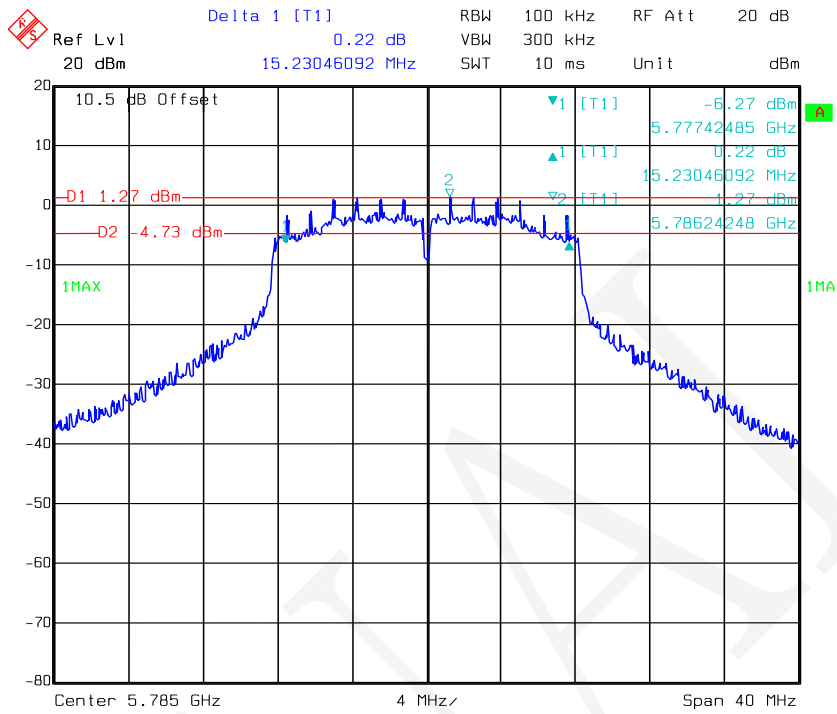
Date: 30.MAR.2018 15:21:49

802.11a mode, 6 dB Bandwidth-5745 MHz, Antenna 2



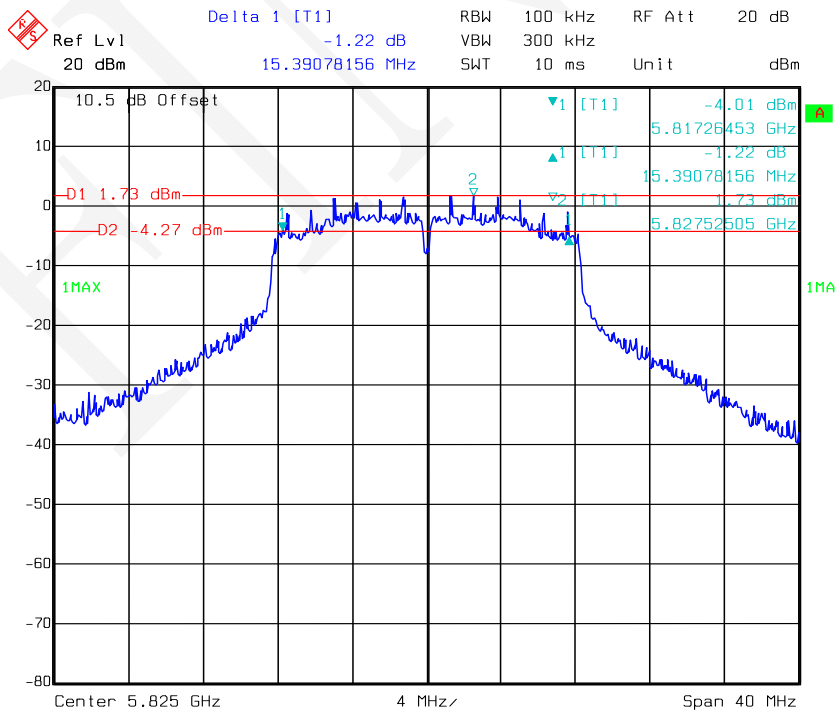
Date: 30.MAR.2018 16:23:43

802.11a mode, 6 dB Bandwidth-5785 MHz, Antenna 2



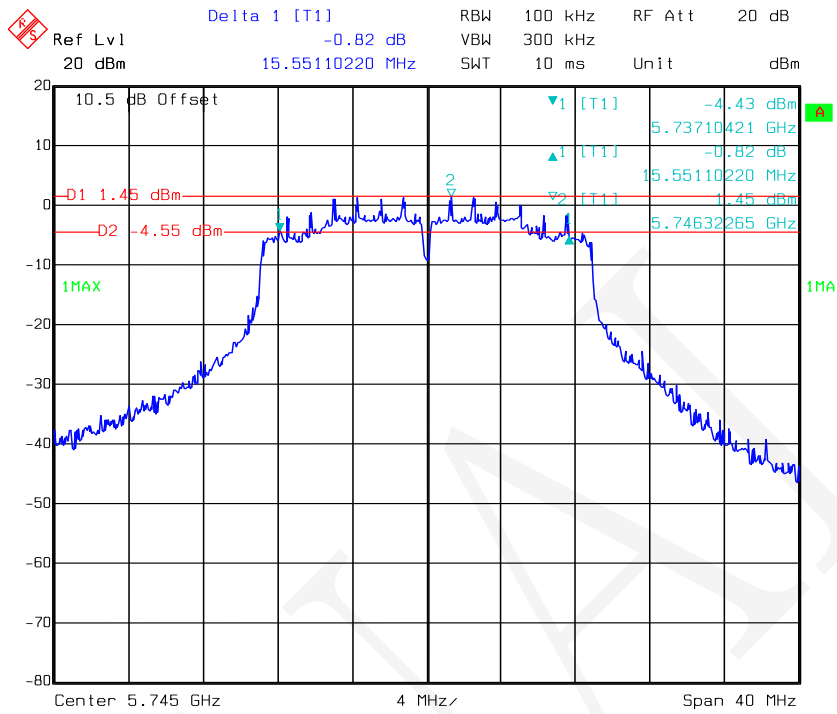
Date: 30.MAR.2018 16:25:21

802.11a mode, 6 dB Bandwidth-5825 MHz, Antenna 2



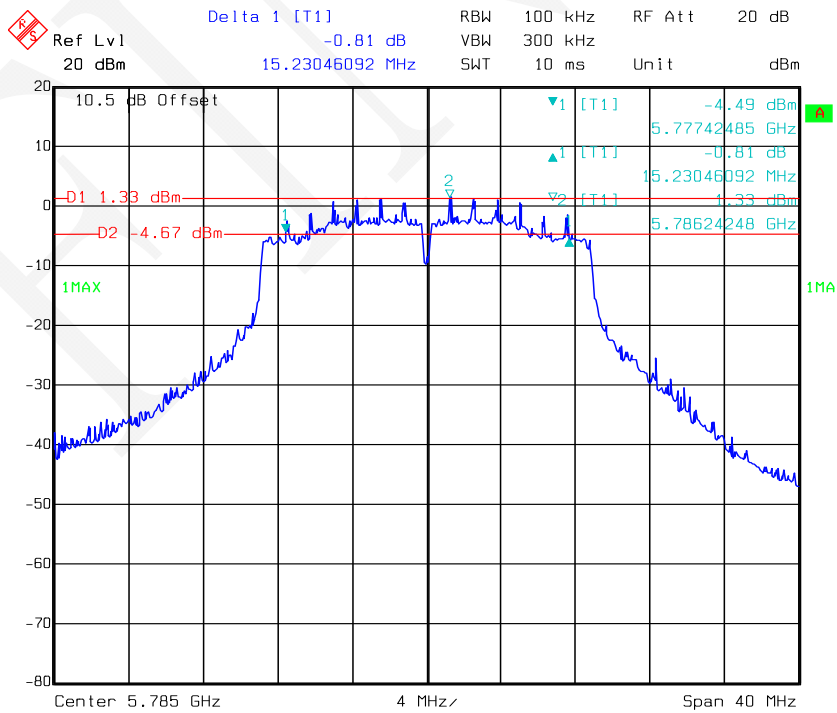
Date: 30.MAR.2018 16:26:38

802.11n-HT20 mode, 6 dB Bandwidth-5745 MHz, Antenna 1



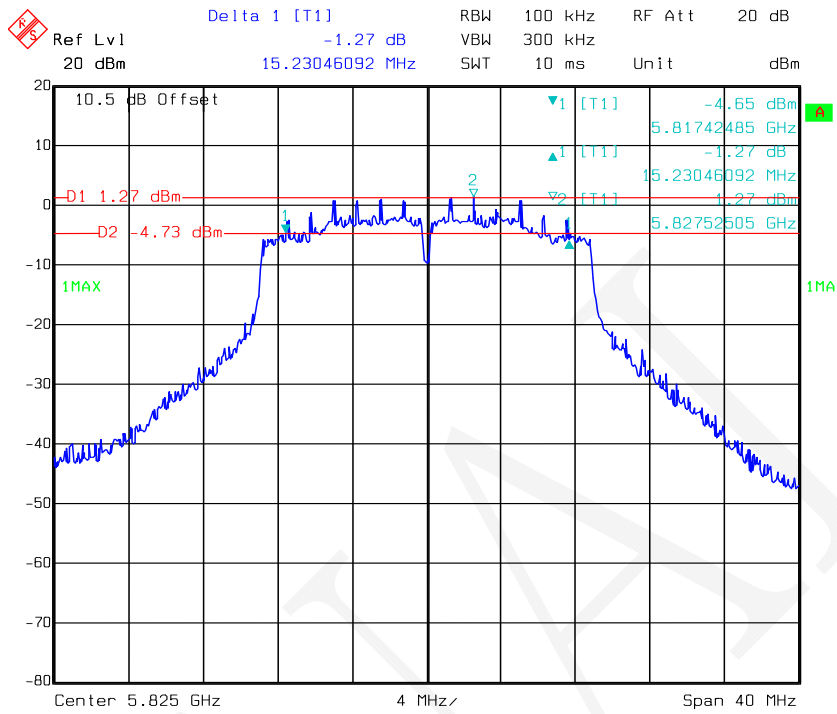
Date: 30.MAR.2018 15:25:05

802.11n-HT20 mode, 6 dB Bandwidth-5785 MHz, Antenna 1



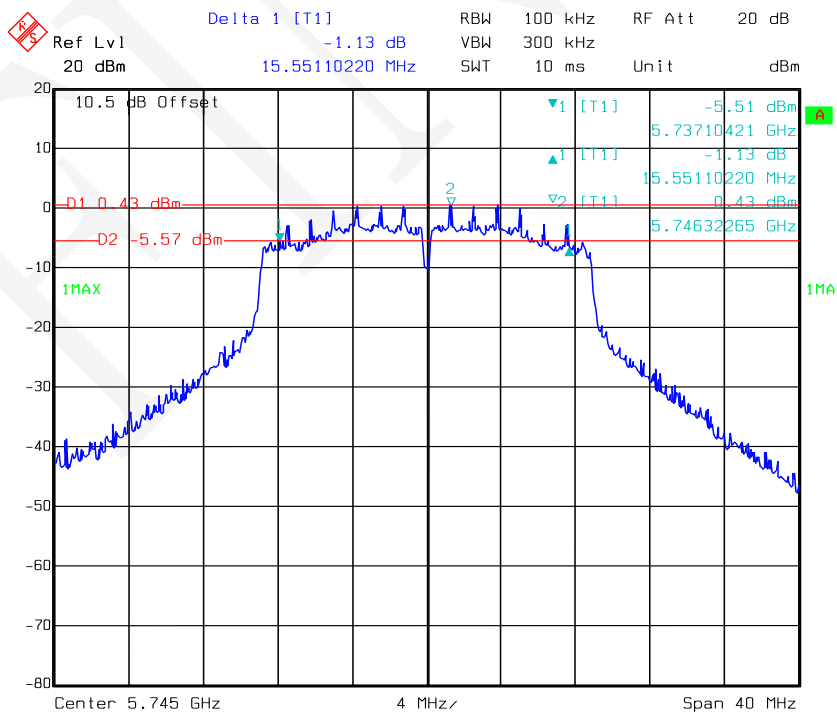
Date: 30.MAR.2018 15:26:50

802.11n-HT20 mode, 6 dB Bandwidth-5825 MHz, Antenna 1



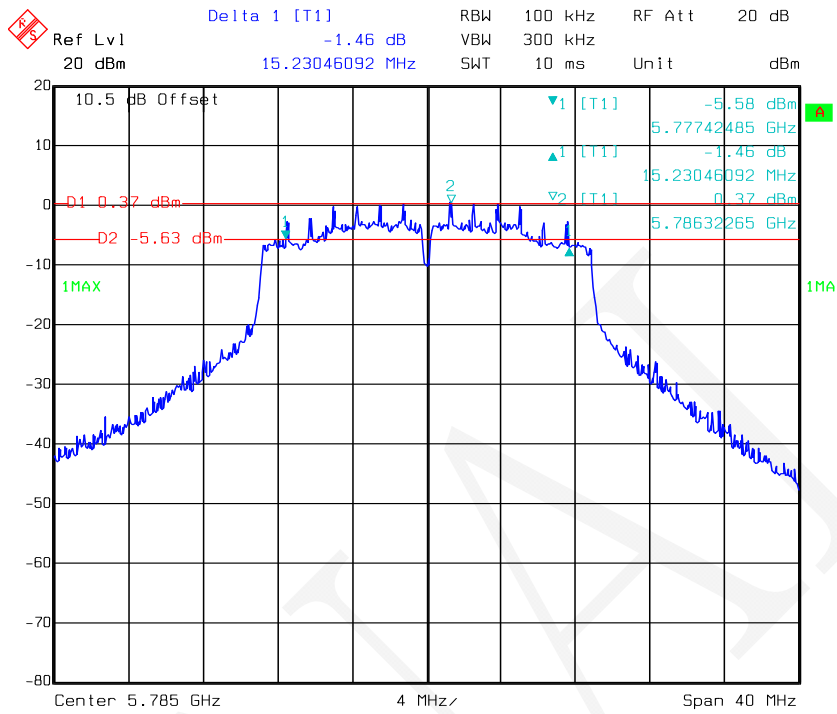
Date: 30.MAR.2018 15:28:23

802.11n-HT20 mode, 6 dB Bandwidth-5745 MHz, Antenna 2



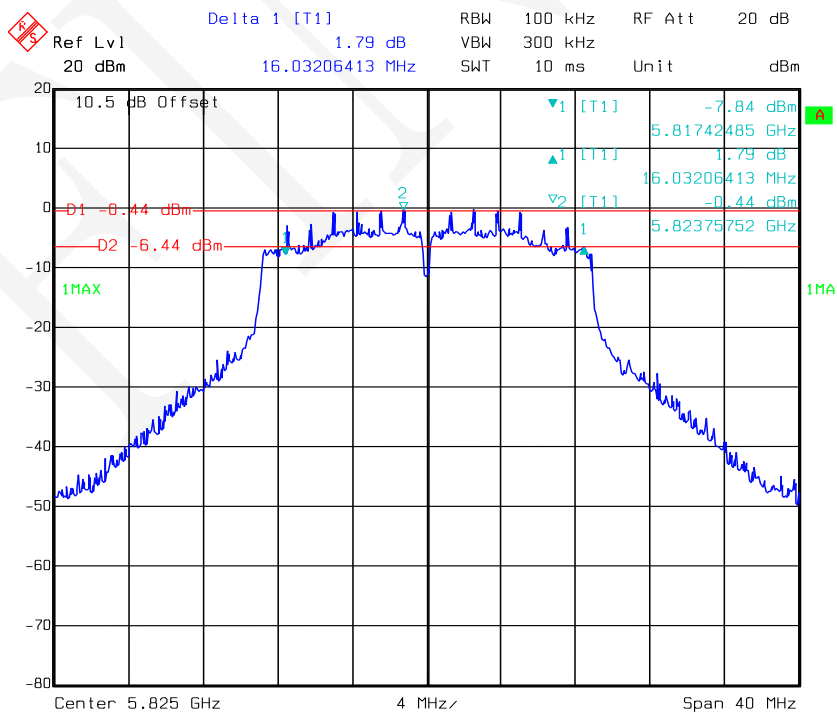
Date: 30.MAR.2018 16:42:36

802.11n-HT20 mode, 6 dB Bandwidth-5785 MHz, Antenna 2



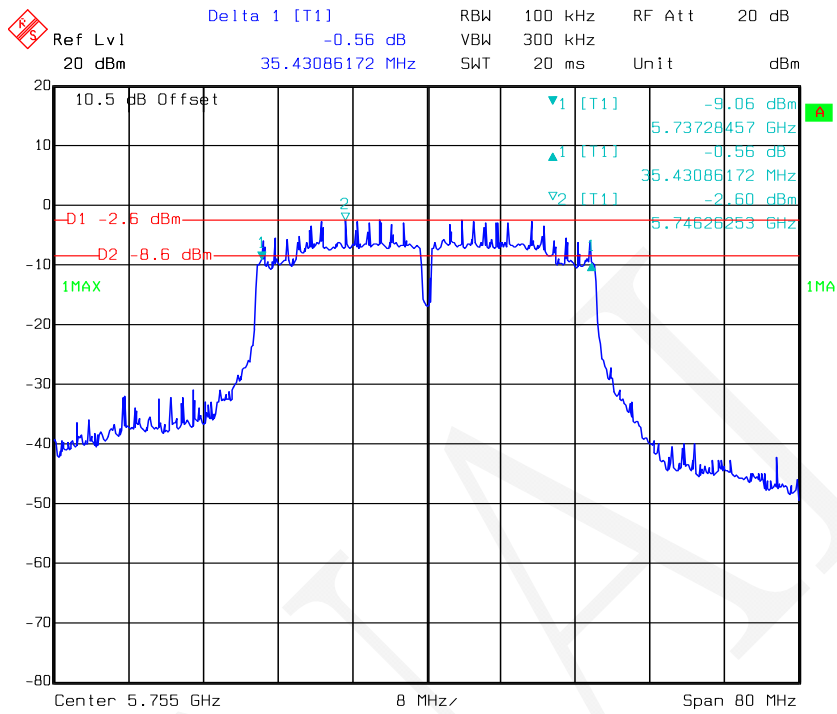
Date: 30.MAR.2018 16:30:30

802.11n-HT20 mode, 6 dB Bandwidth-5825 MHz, Antenna 2



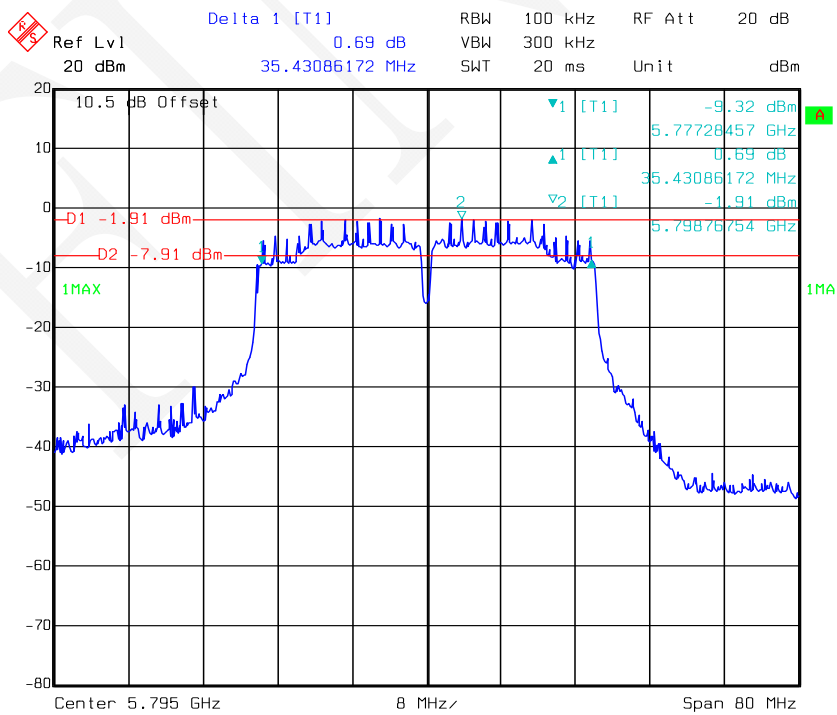
Date: 30.MAR.2018 17:01:10

802.11n-HT40 mode, 6 dB Bandwidth-5755 MHz, Antenna 1



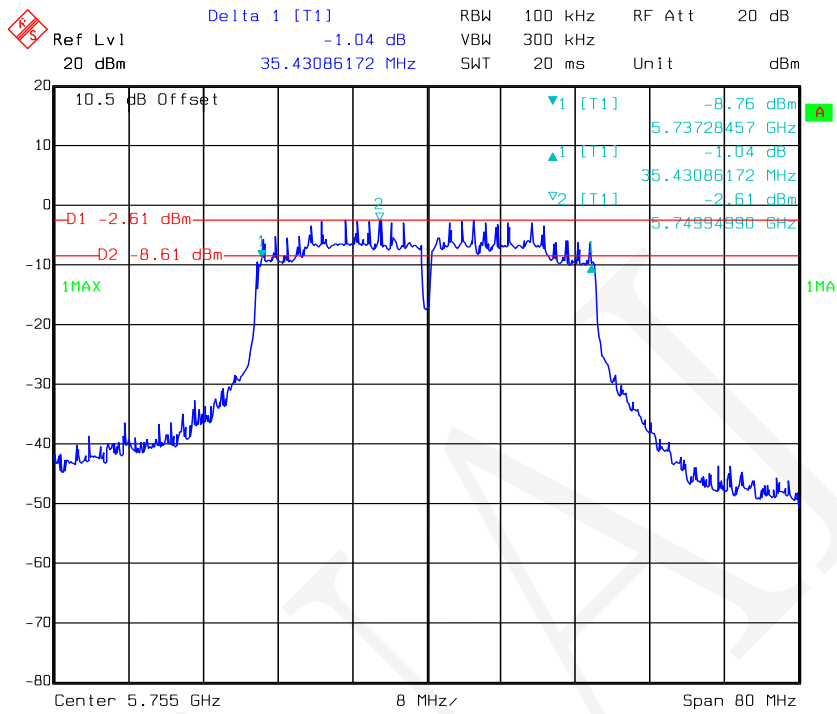
Date: 30.MAR.2018 15:40:28

802.11n-HT40 mode, 6 dB Bandwidth-5795 MHz, Antenna 1



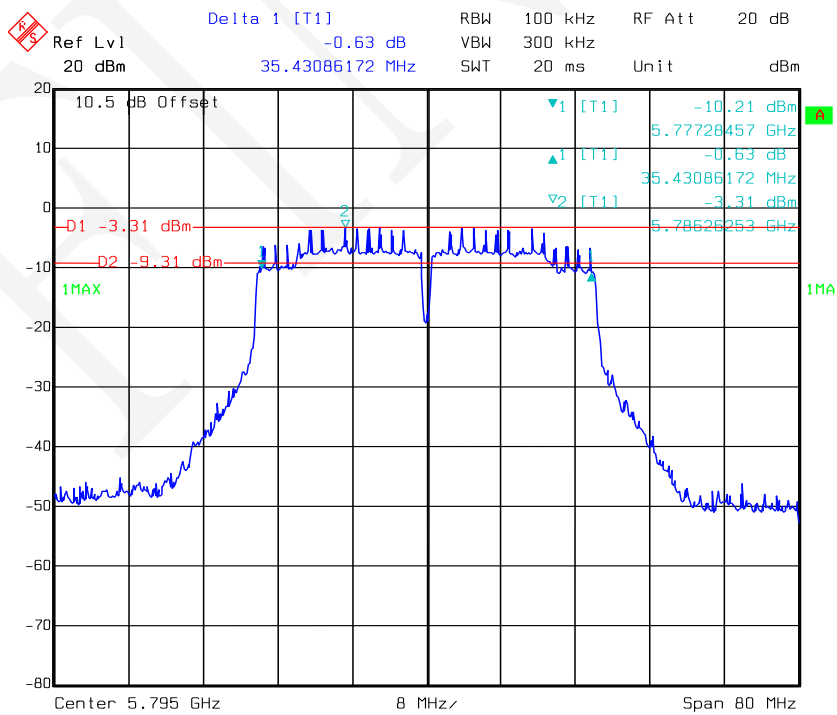
Date: 30.MAR.2018 15:46:27

802.11n-HT40 mode, 6 dB Bandwidth-5755 MHz, Antenna 2



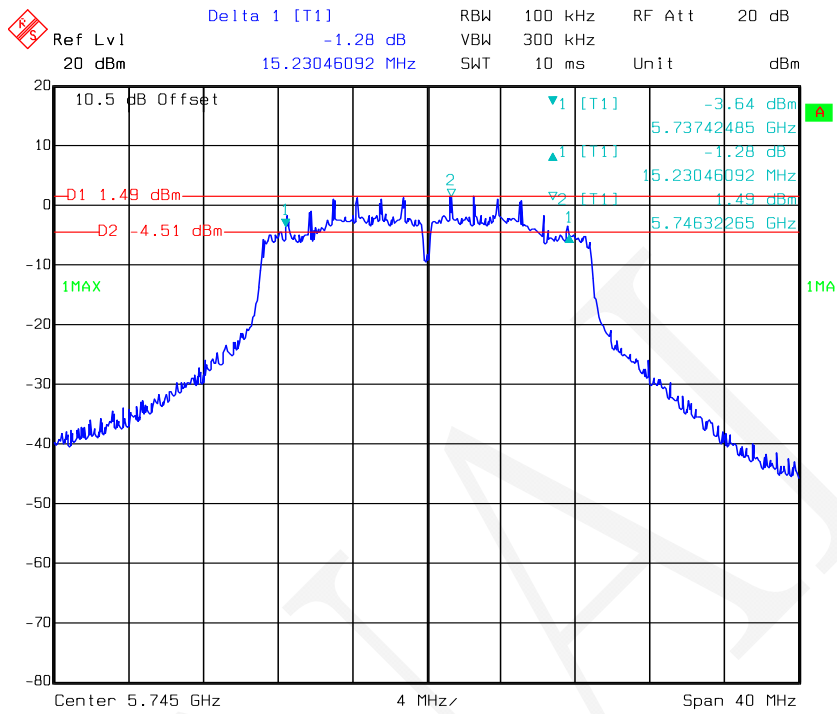
Date: 30.MAR.2018 16:49:29

802.11n-HT40 mode, 6 dB Bandwidth-5795 MHz, Antenna 2

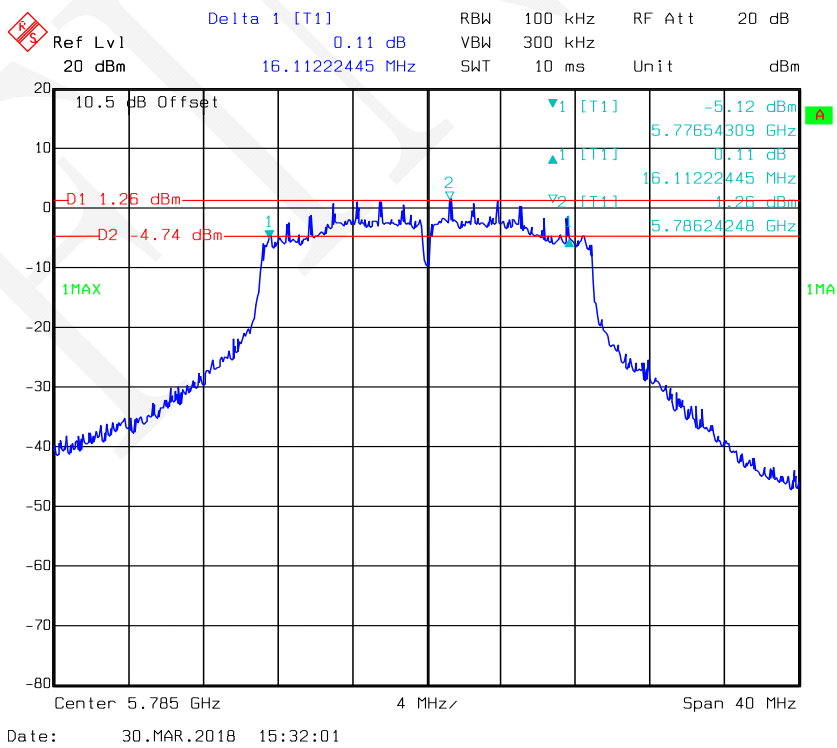


Date: 30.MAR.2018 16:50:42

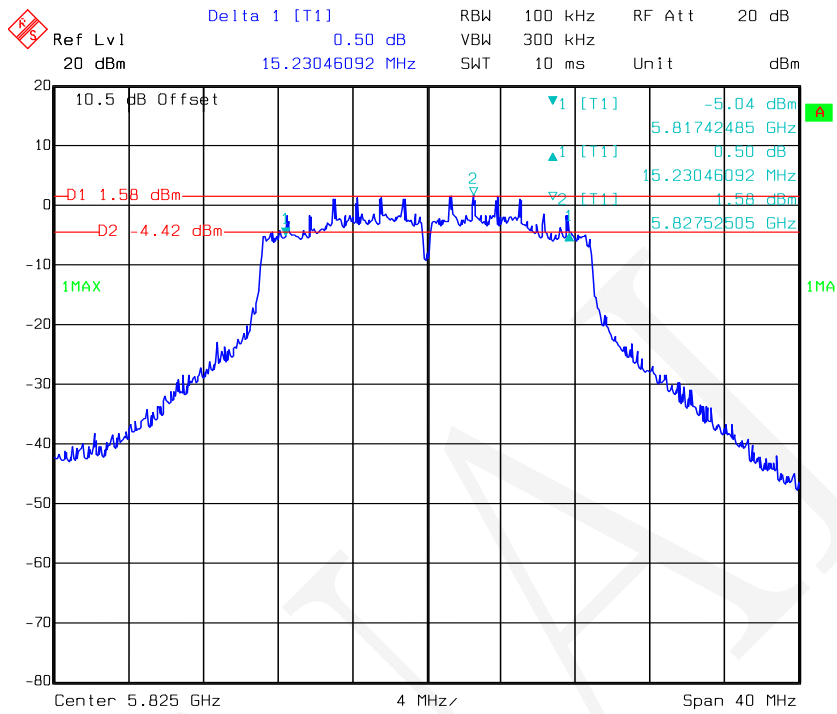
802.11ac20 mode, 6 dB Bandwidth-5745 MHz, Antenna 1



802.11ac20 mode, 6 dB Bandwidth-5785 MHz, Antenna 1

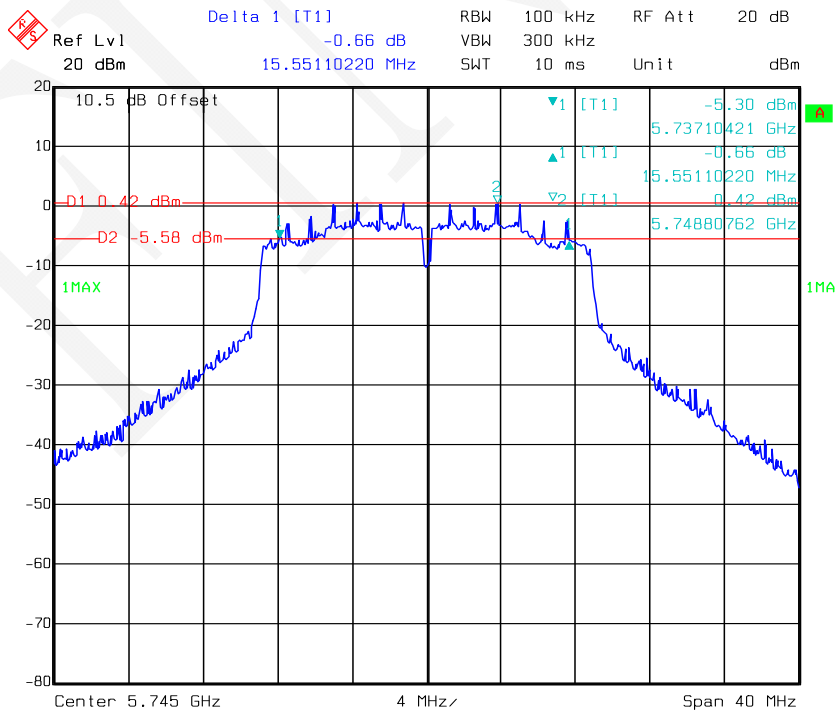


802.11ac20 mode, 6 dB Bandwidth-5825 MHz, Antenna 1



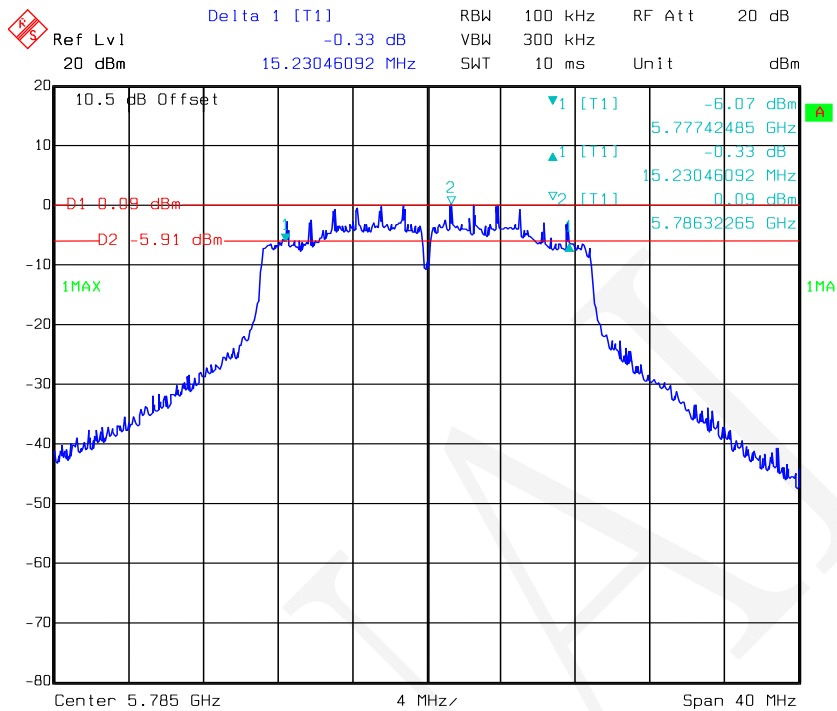
Date: 30.MAR.2018 15:33:53

802.11ac20 mode, 6 dB Bandwidth-5745 MHz, Antenna 2



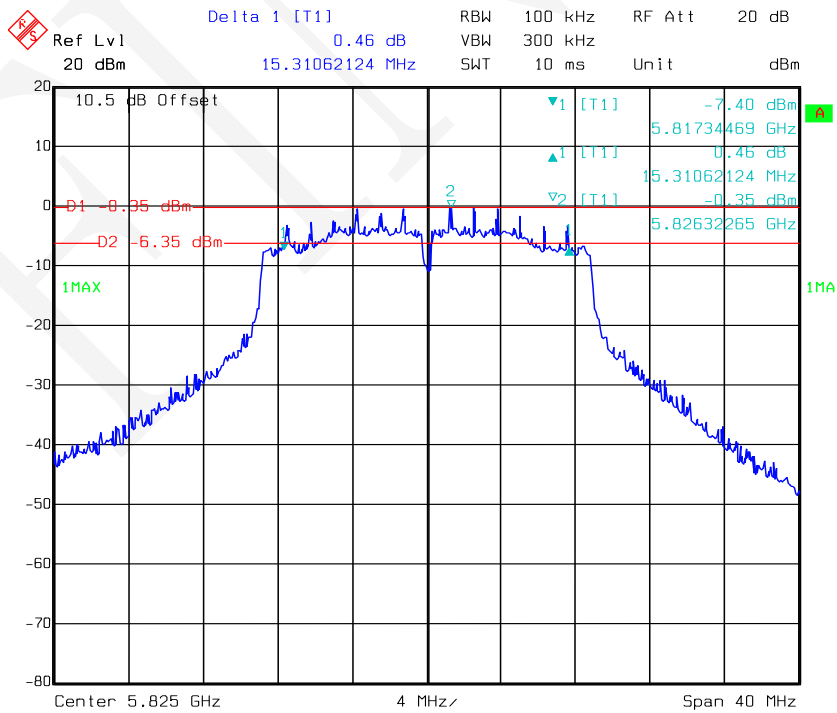
Date: 30.MAR.2018 16:44:42

802.11ac20 mode, 6 dB Bandwidth-5785 MHz, Antenna 2



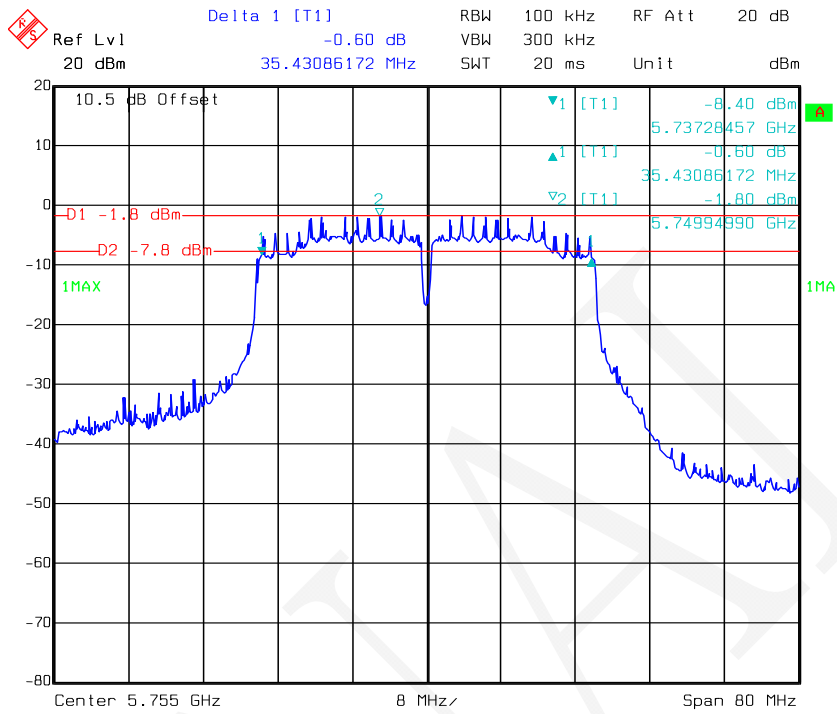
Date: 30.MAR.2018 16:46:11

802.11ac20 mode, 6 dB Bandwidth-5825 MHz, Antenna 2



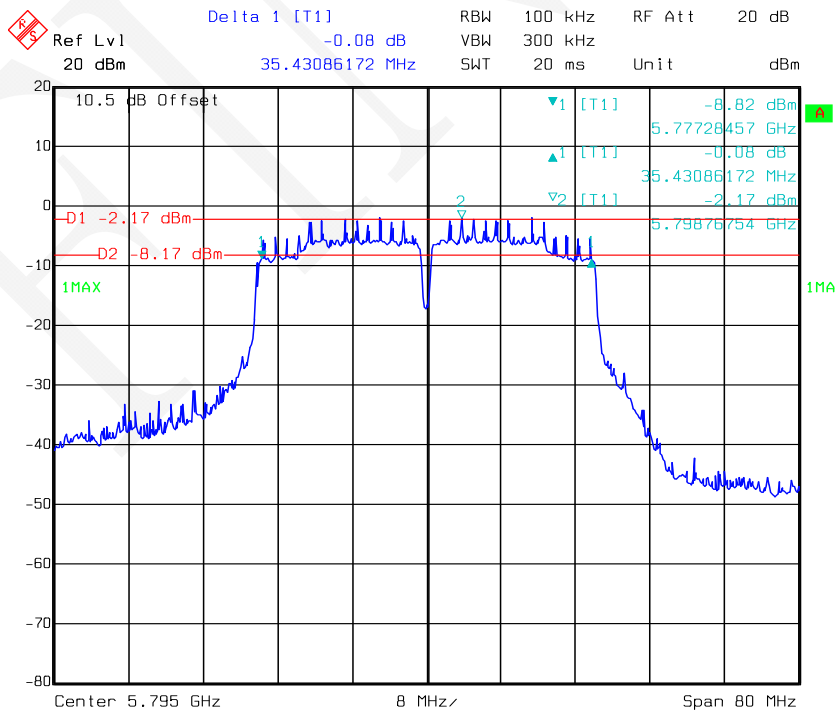
Date: 30.MAR.2018 16:47:27

802.11ac40 mode, 6 dB Bandwidth-5755 MHz, Antenna 1



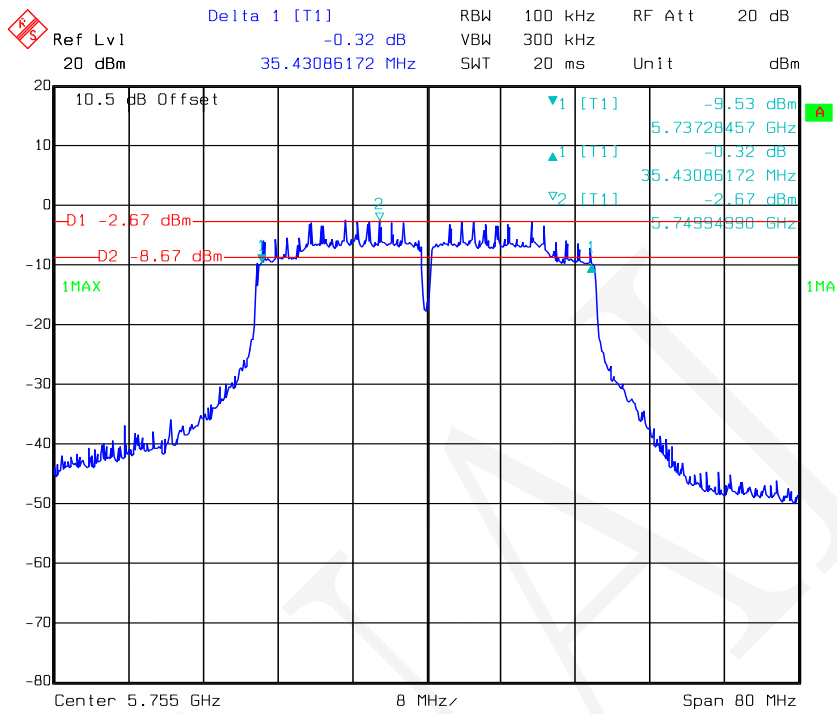
Date: 30.MAR.2018 15:48:02

802.11ac40 mode, 6 dB Bandwidth-5795 MHz, Antenna 1



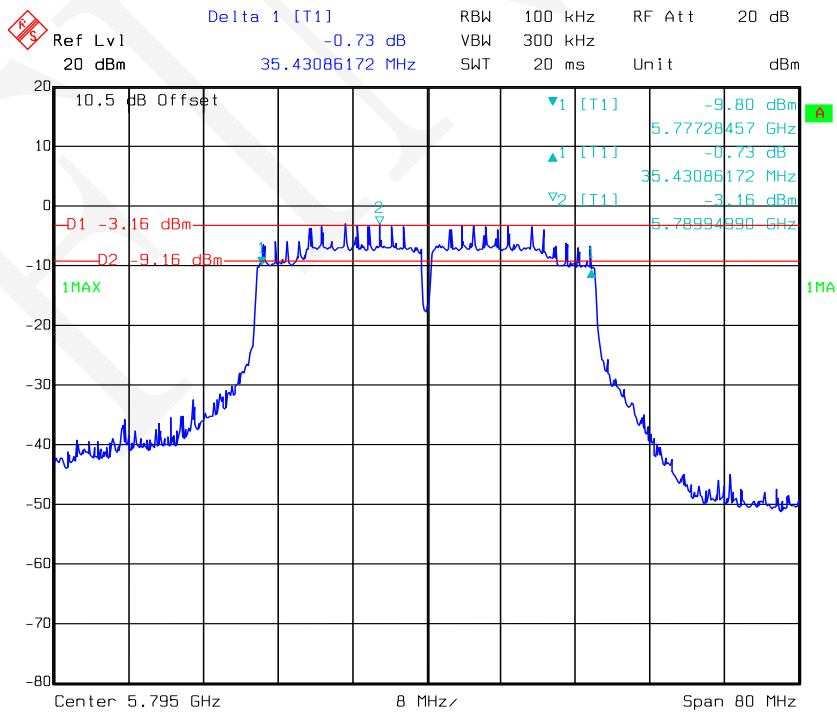
Date: 30.MAR.2018 15:49:18

802.11ac40 mode, 6 dB Bandwidth-5755 MHz, Antenna 2



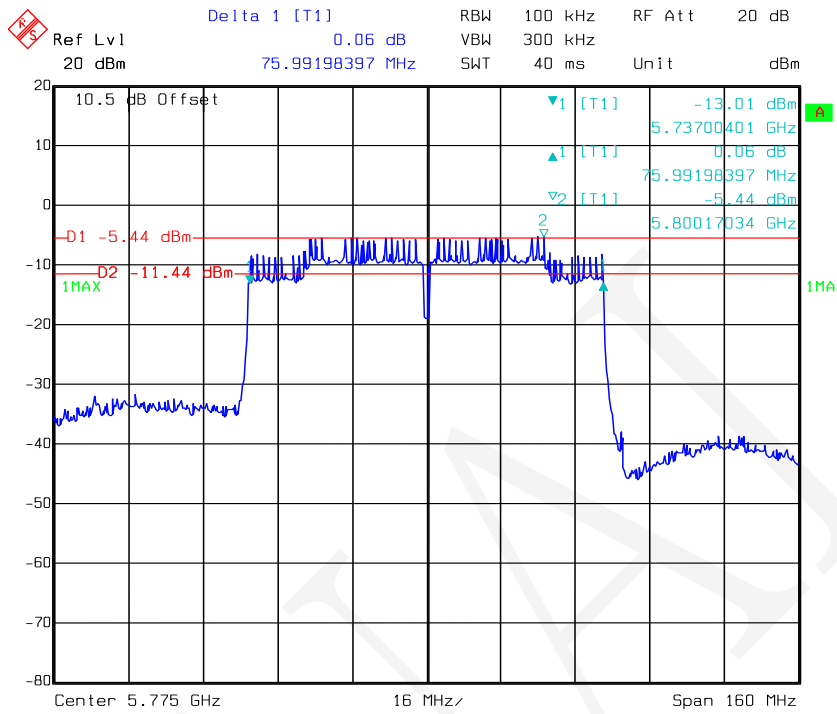
Date: 30.MAR.2018 16:52:10

802.11ac40 mode, 6 dB Bandwidth-5795 MHz, Antenna 2



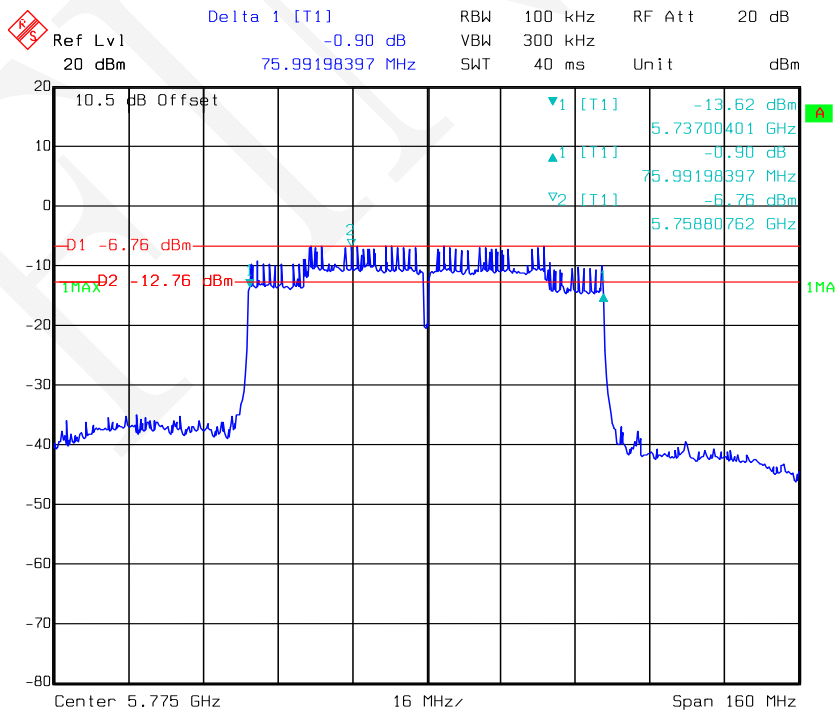
Date: 30.MAR.2018 16:53:30

802.11ac80 mode, 6 dB Bandwidth-5775 MHz, Antenna 1



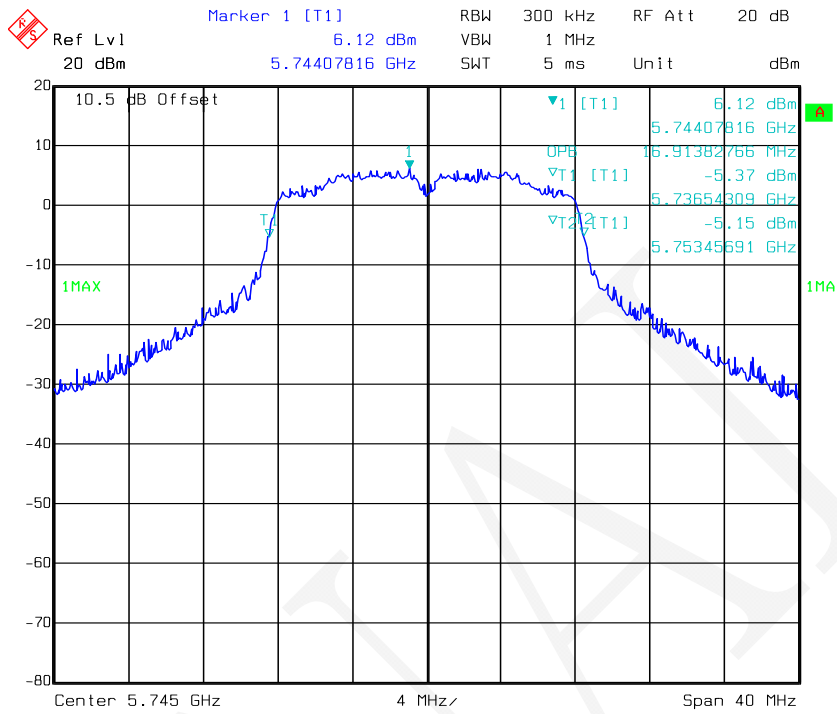
Date: 30.MAR.2018 15:54:02

802.11ac80 mode, 6 dB Bandwidth-5775 MHz, Antenna 2



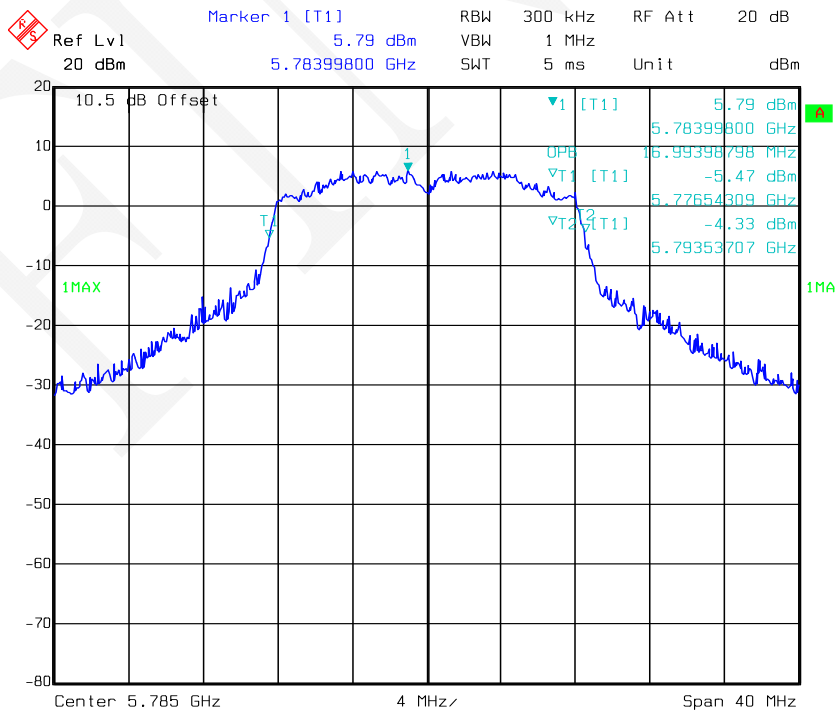
Date: 30.MAR.2018 16:56:07

802.11a mode, 99% Occupied Bandwidth-5745 MHz, Antenna 1



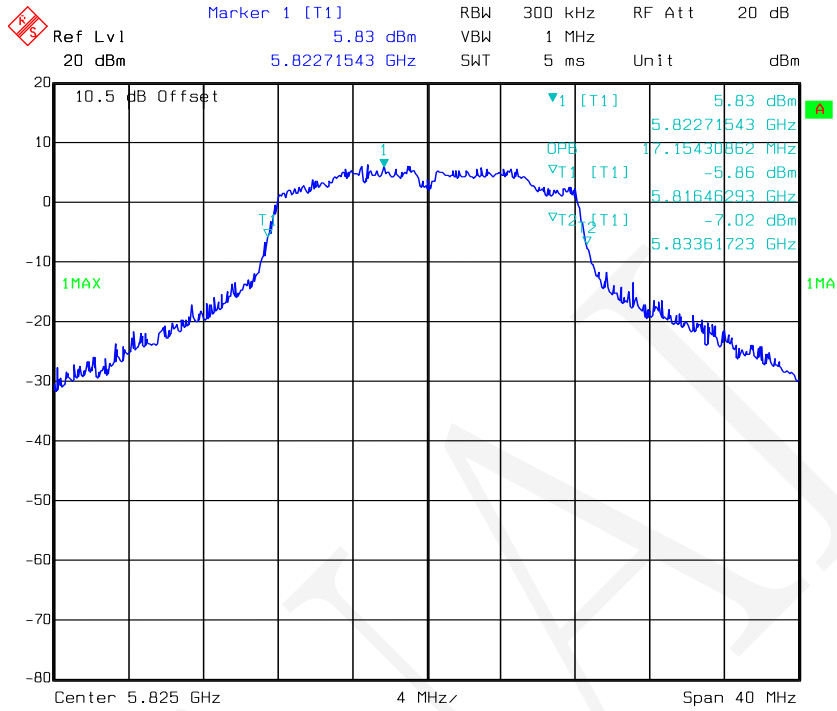
Date: 30.MAR.2018 15:18:58

802.11a mode, 99% Occupied Bandwidth -5785 MHz, Antenna 1



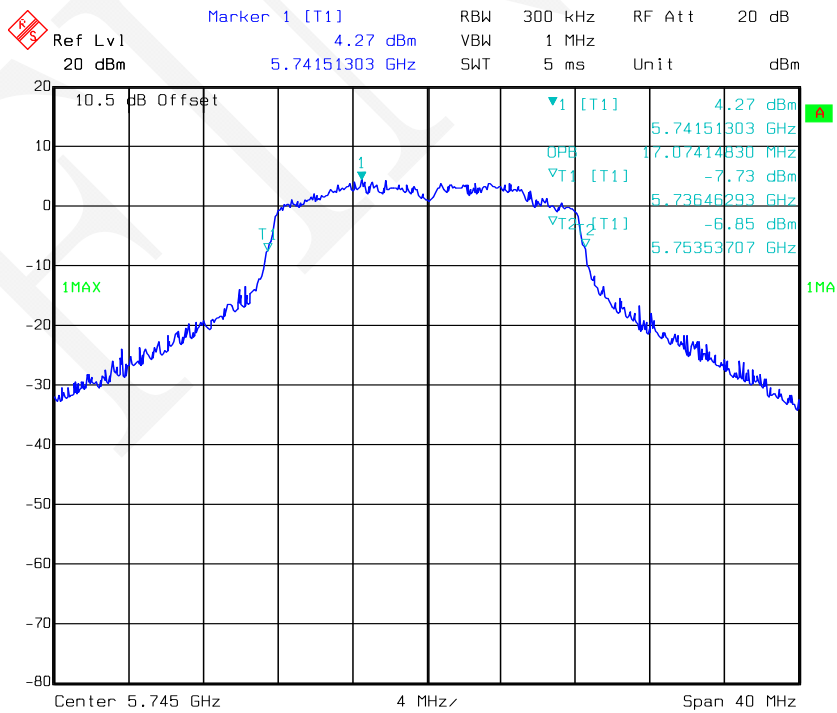
Date: 30.MAR.2018 15:20:39

802.11a mode, 99% Occupied Bandwidth -5825 MHz, Antenna 1



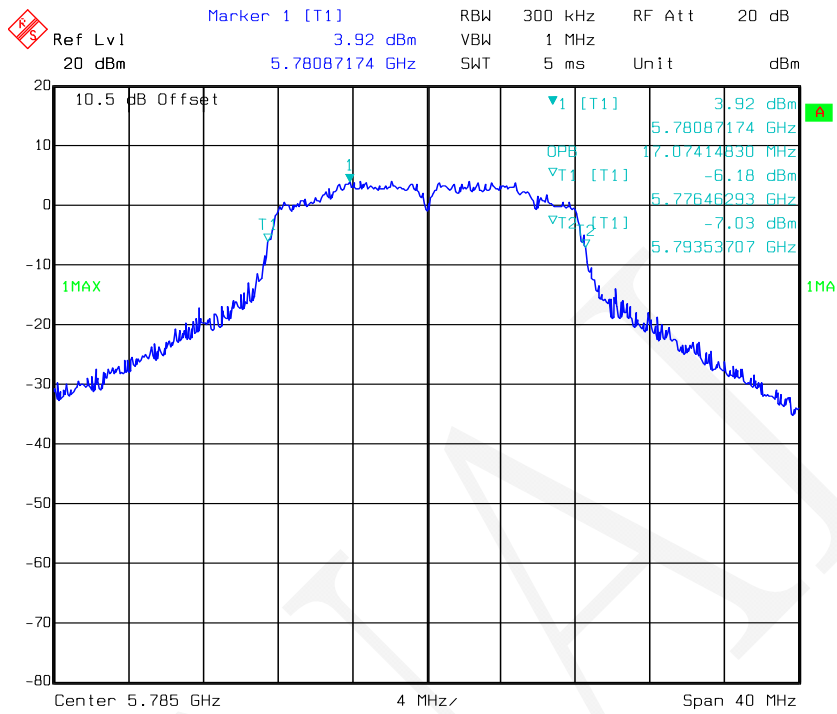
Date: 30.MAR.2018 15:21:59

802.11a mode, 99% Occupied Bandwidth-5745 MHz, Antenna 2



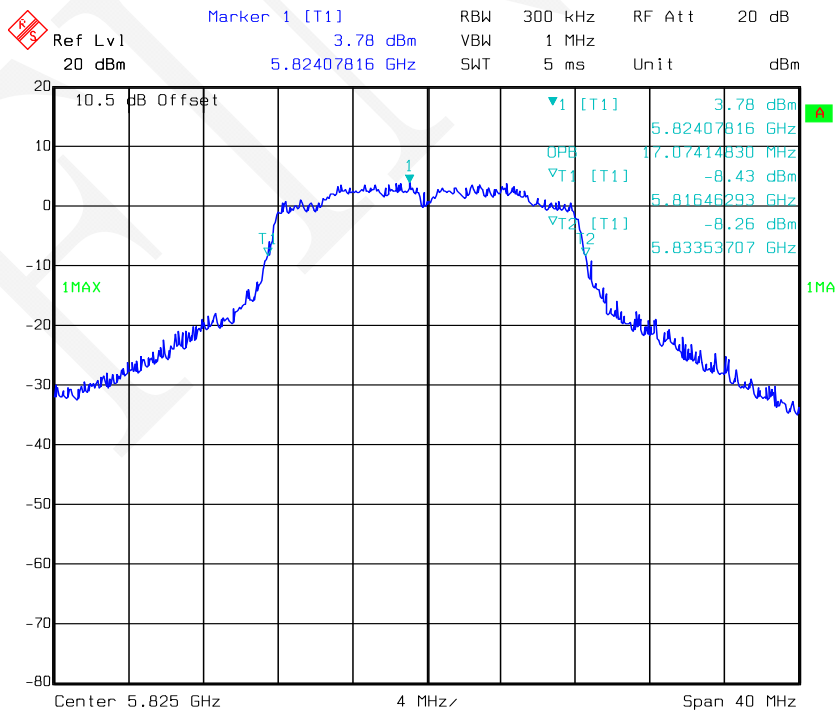
Date: 30.MAR.2018 16:23:53

802.11a mode, 99% Occupied Bandwidth -5785 MHz, Antenna 2



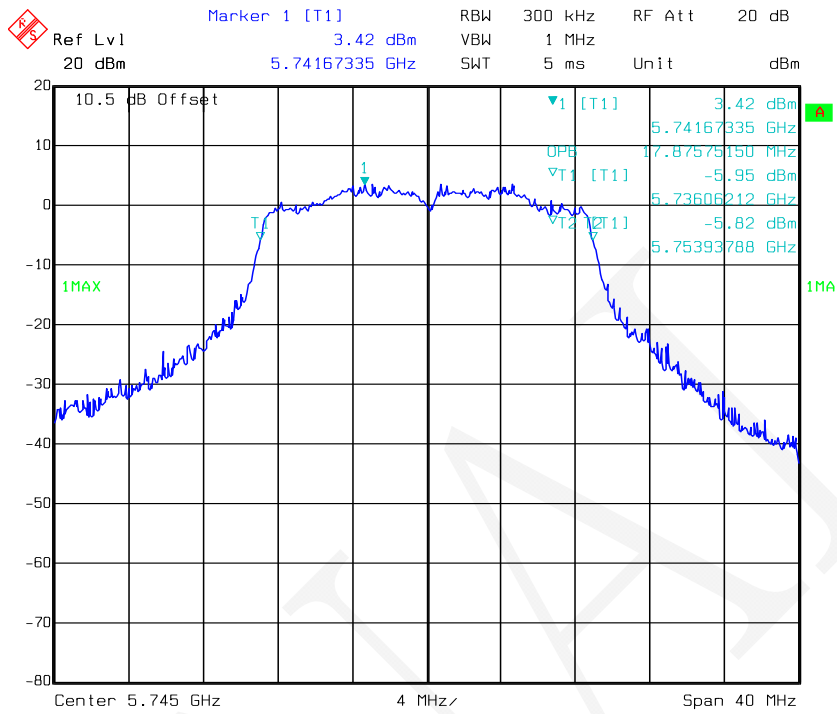
Date: 30.MAR.2018 16:25:31

802.11a mode, 99% Occupied Bandwidth -5825 MHz, Antenna 2



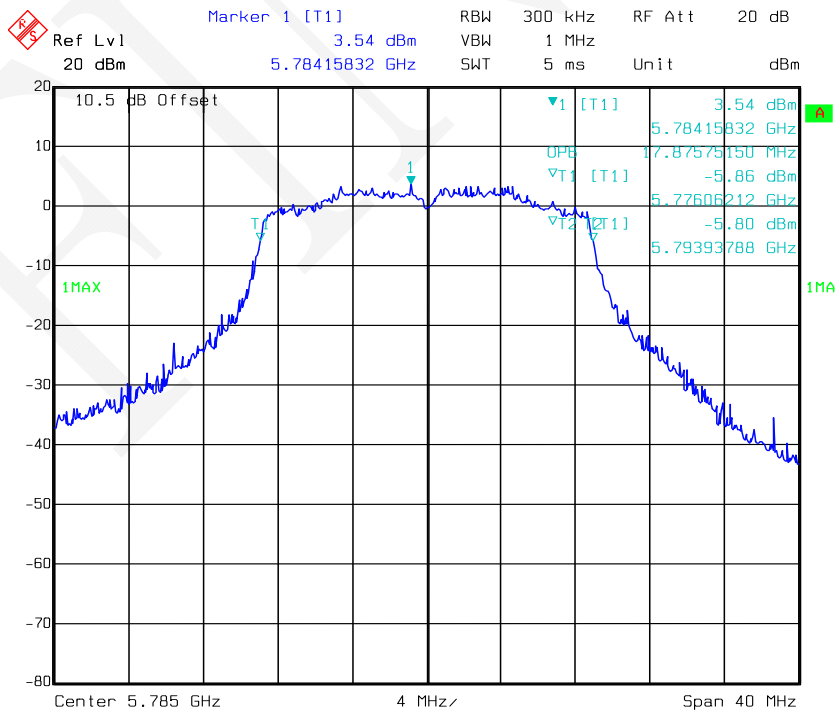
Date: 30.MAR.2018 16:26:48

802.11n-HT20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 1



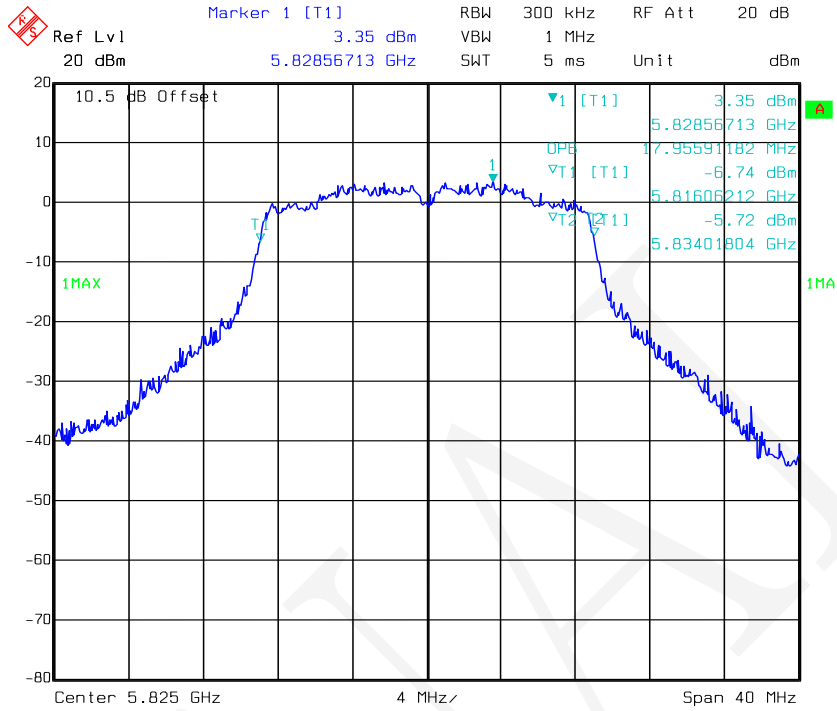
Date: 30.MAR.2018 15:25:16

802.11n-HT20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 1



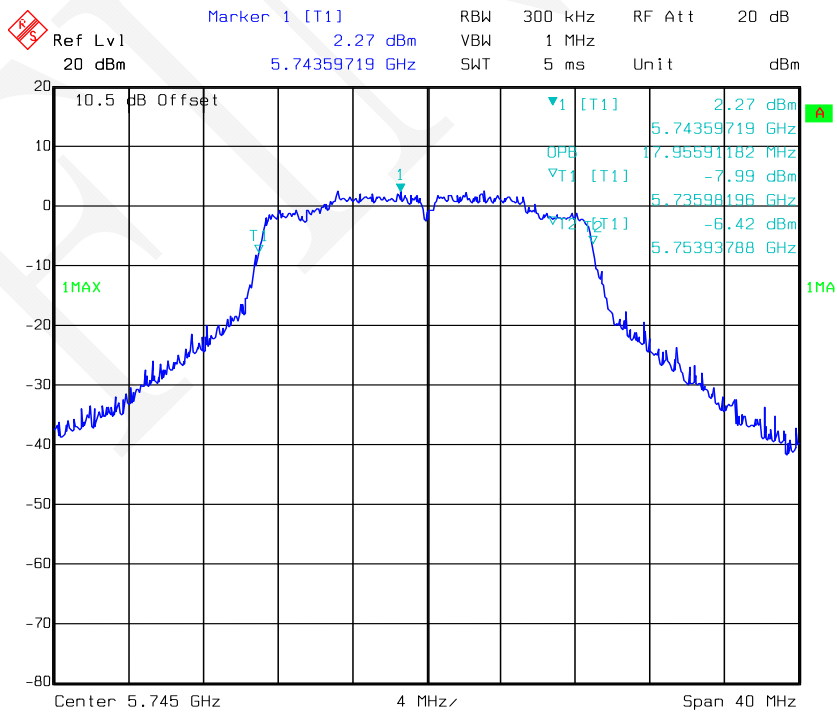
Date: 30.MAR.2018 15:27:00

802.11n-HT20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 1



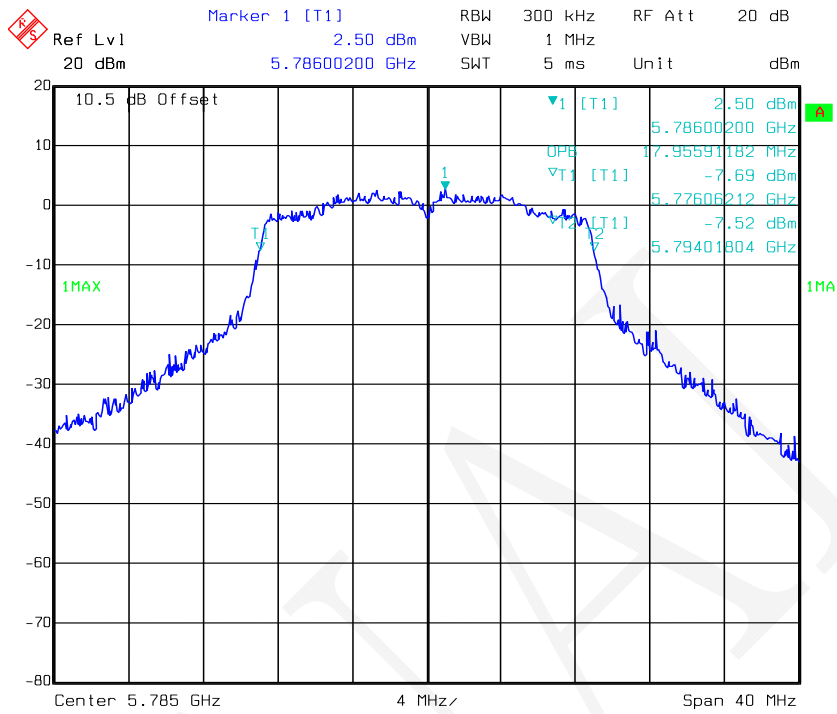
Date: 30.MAR.2018 15:28:33

802.11n-HT20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 2



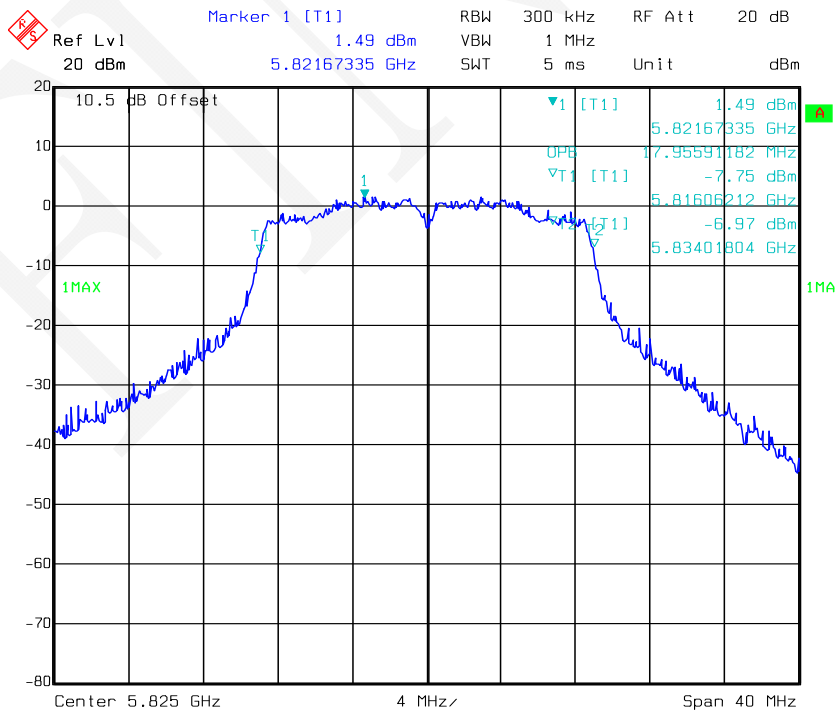
Date: 30.MAR.2018 16:42:47

802.11n-HT20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 2



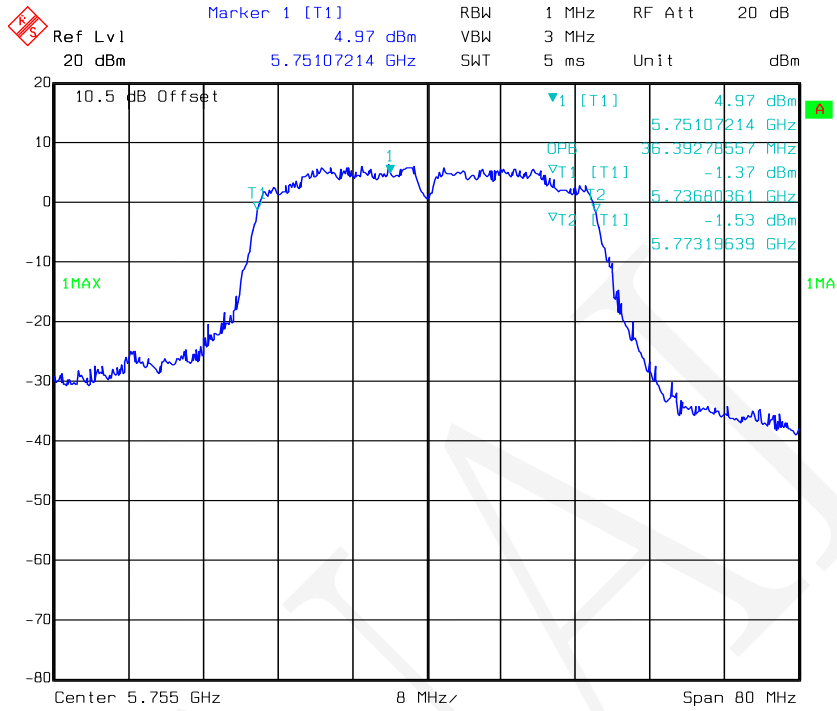
Date: 30.MAR.2018 16:30:40

802.11n-HT20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 2



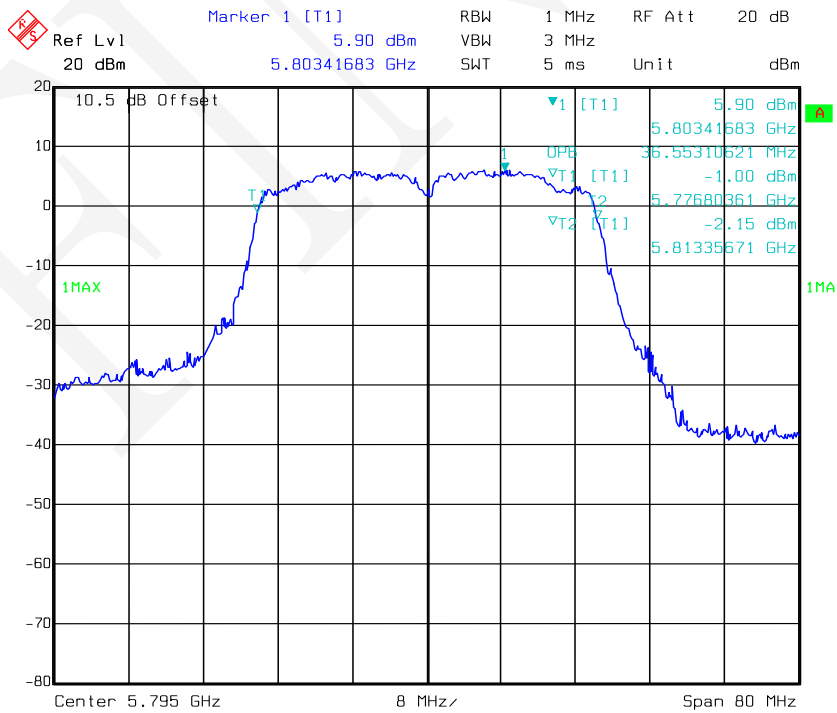
Date: 30.MAR.2018 16:33:10

802.11n-HT40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 1



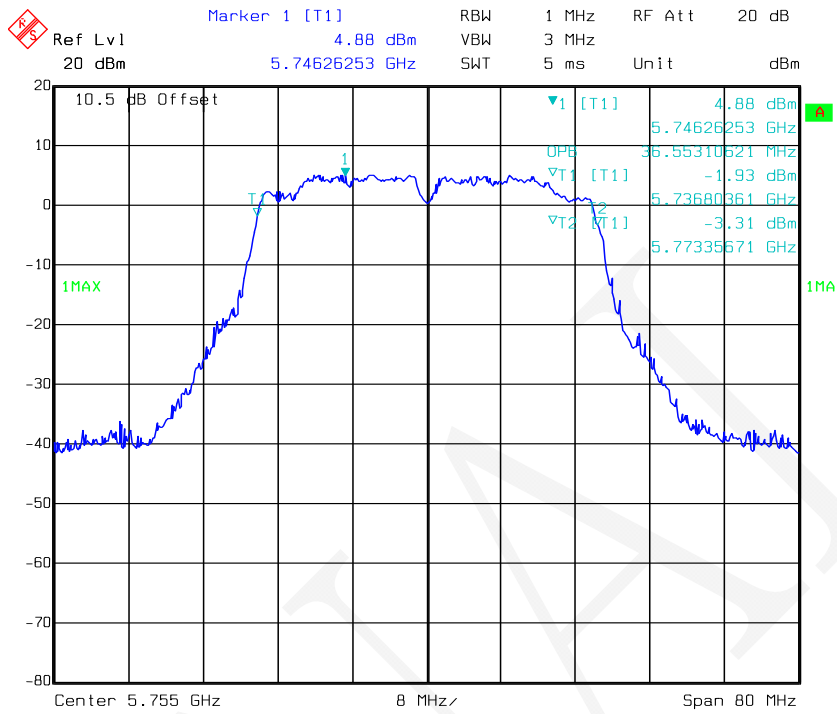
Date: 30.MAR.2018 15:40:39

802.11n-HT40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 1



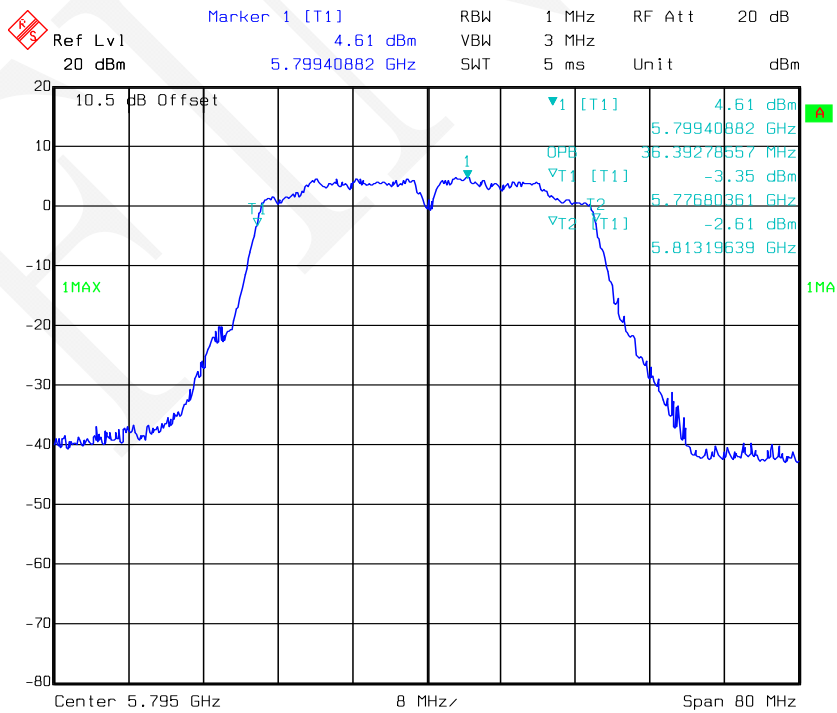
Date: 30.MAR.2018 15:46:37

802.11n-HT40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 2



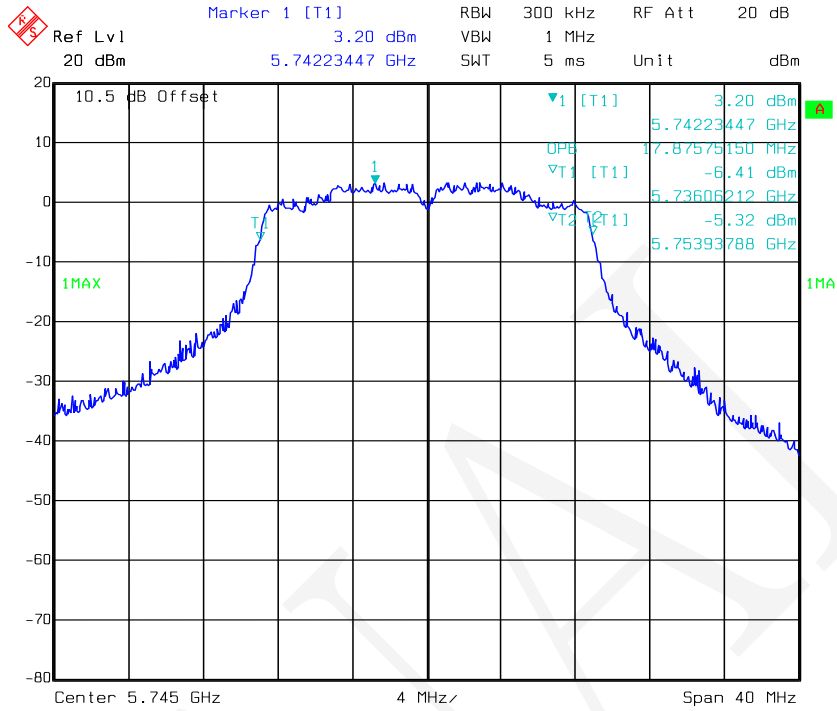
Date: 30.MAR.2018 16:49:39

802.11n-HT40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 2



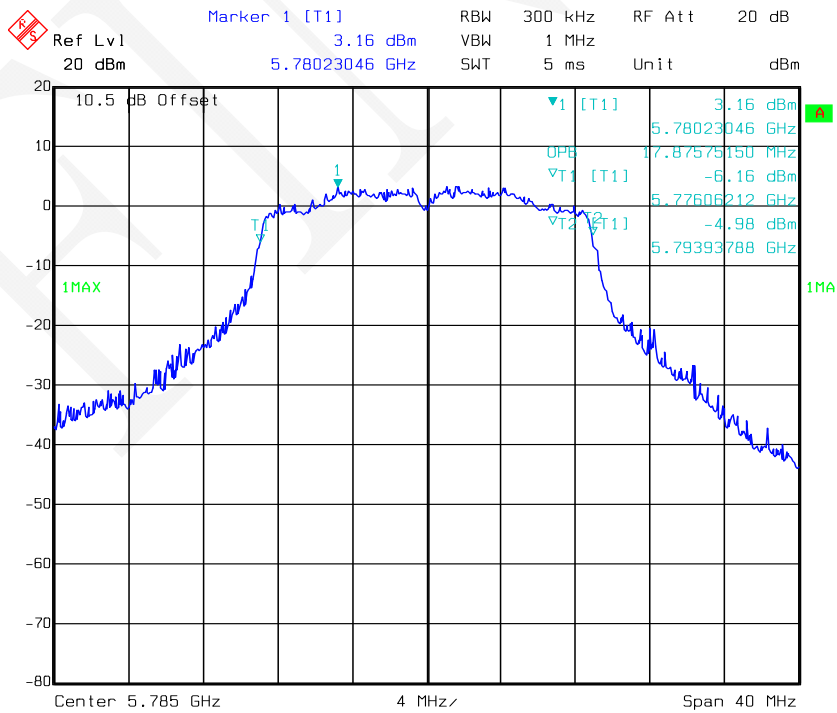
Date: 30.MAR.2018 16:50:52

802.11ac20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 1



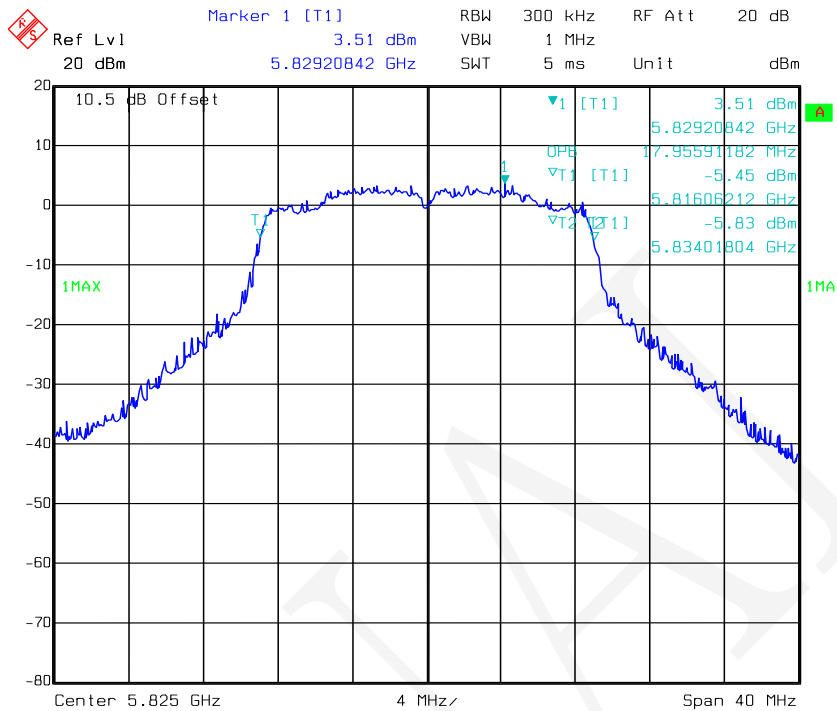
Date: 30.MAR.2018 15:30:52

802.11ac20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 1

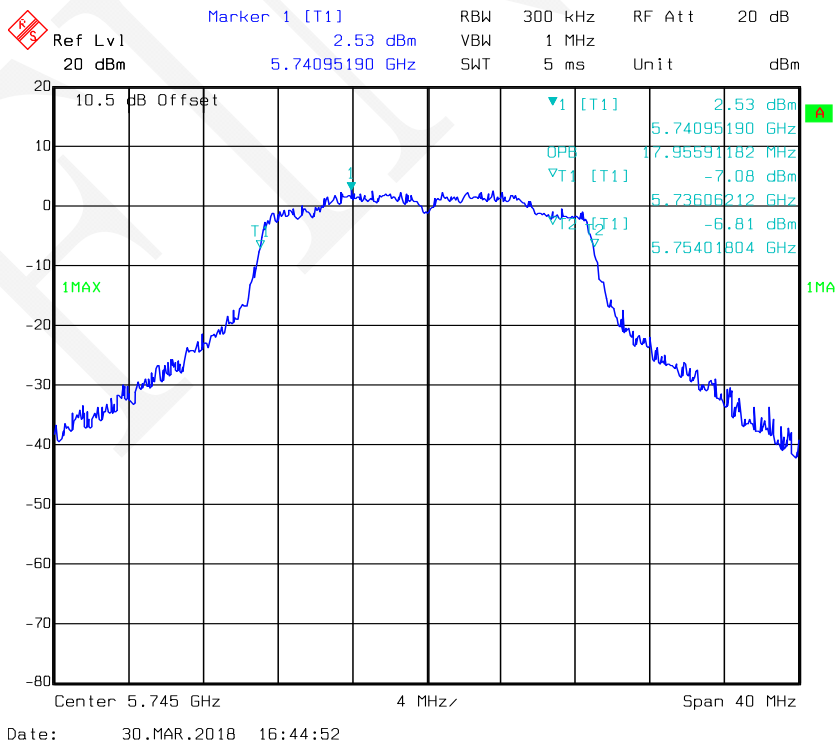


Date: 30.MAR.2018 15:32:11

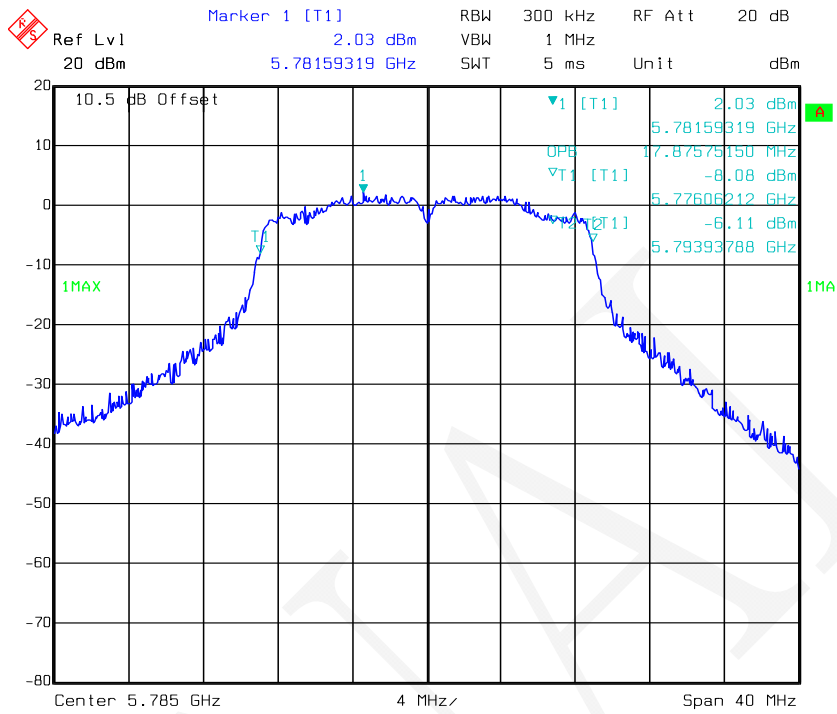
802.11ac20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 1



802.11ac20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 2

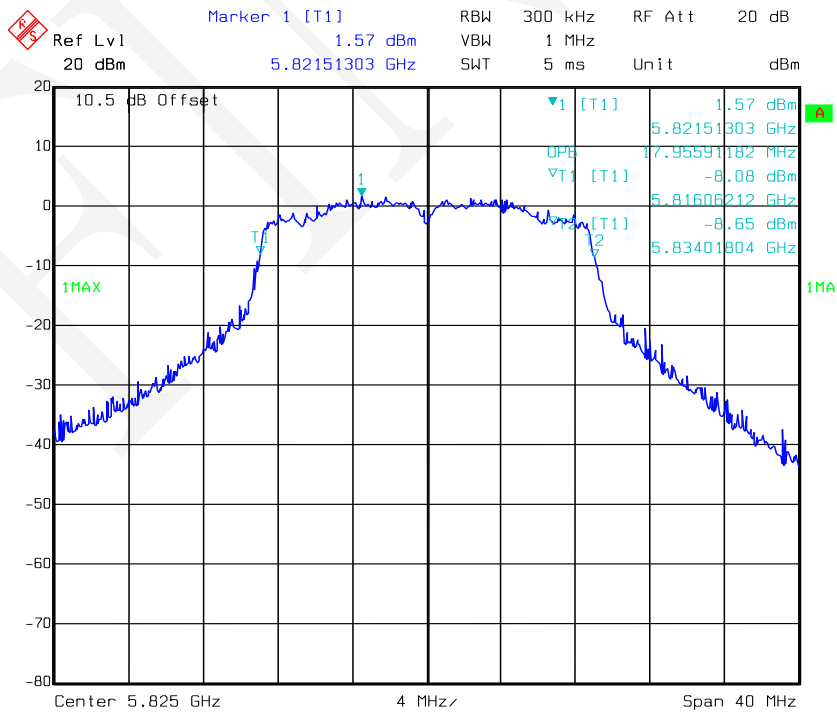


802.11ac20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 2



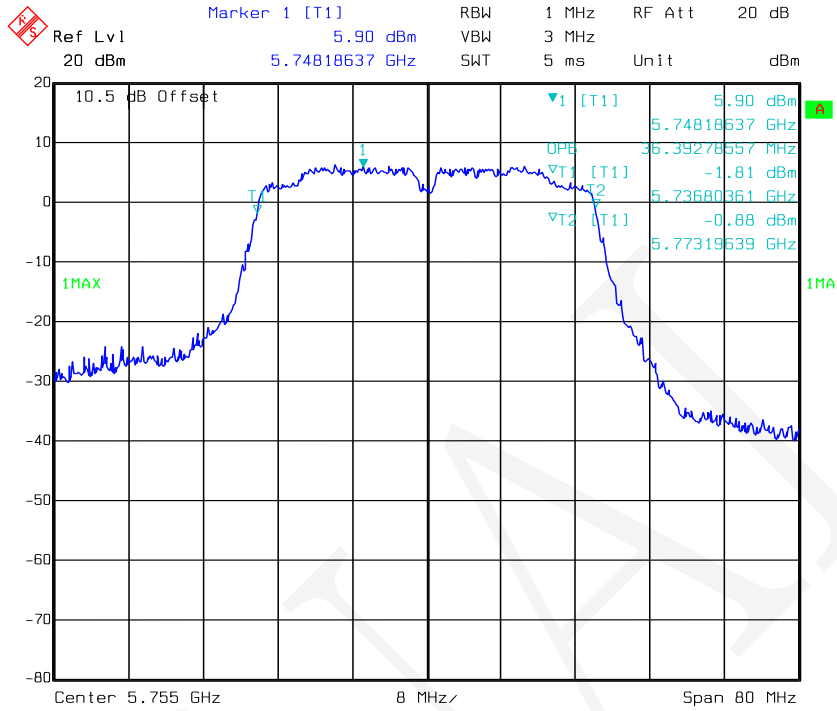
Date: 30.MAR.2018 16:46:22

802.11ac20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 2



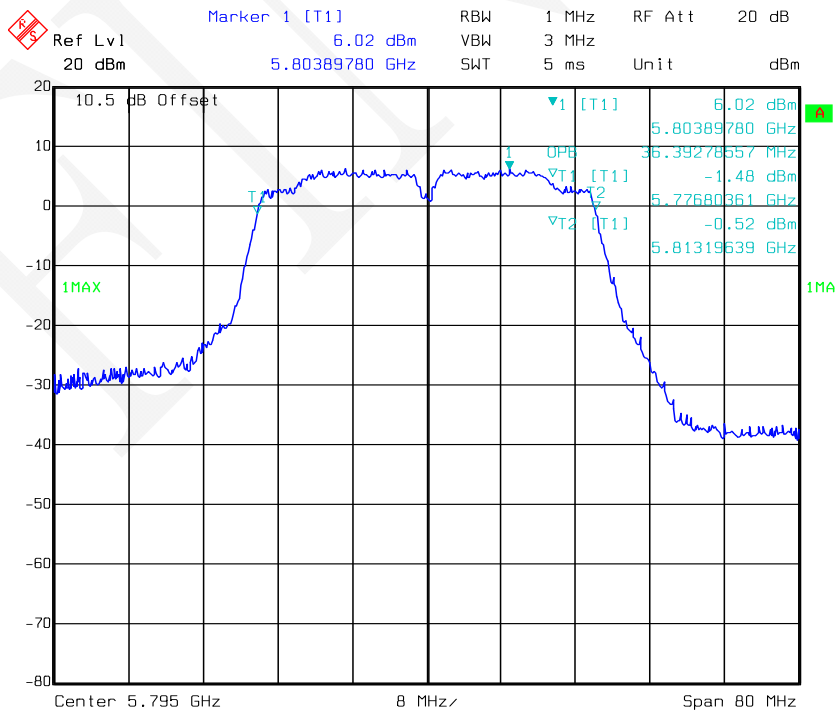
Date: 30.MAR.2018 16:47:37

802.11ac40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 1



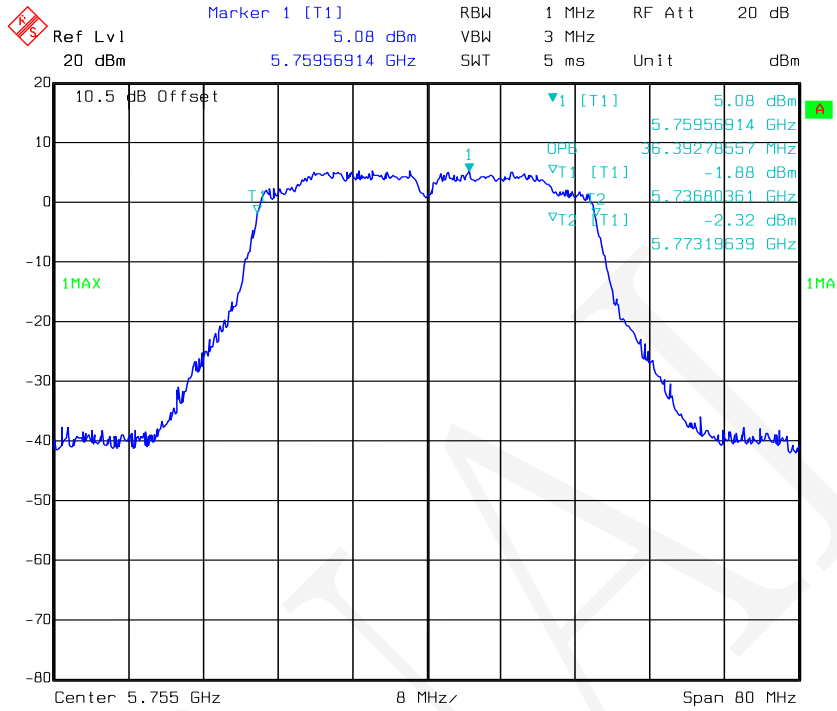
Date: 30.MAR.2018 15:48:12

802.11ac40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 1



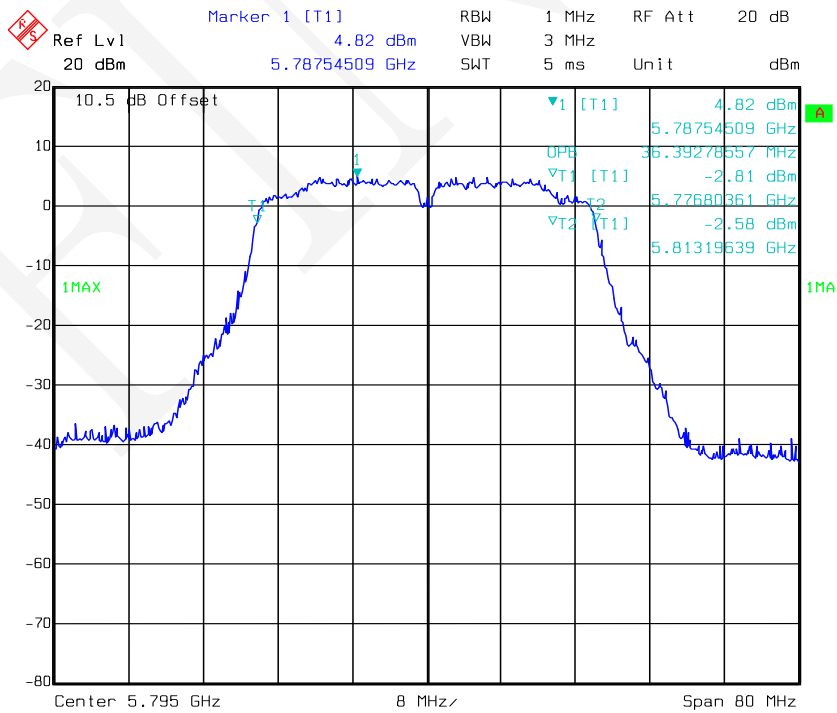
Date: 30.MAR.2018 15:49:29

802.11ac40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 2



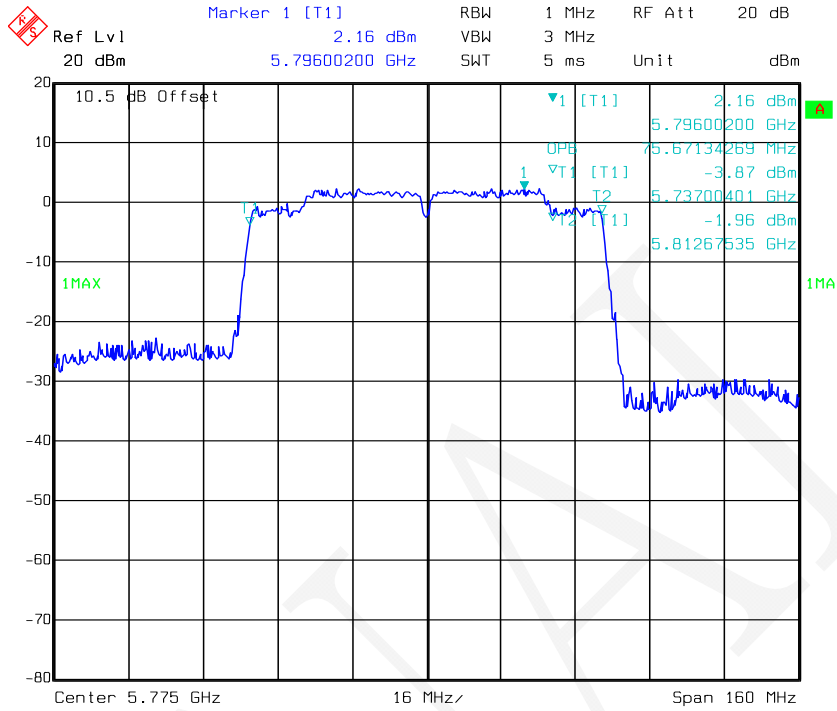
Date: 30.MAR.2018 16:52:21

802.11ac40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 2

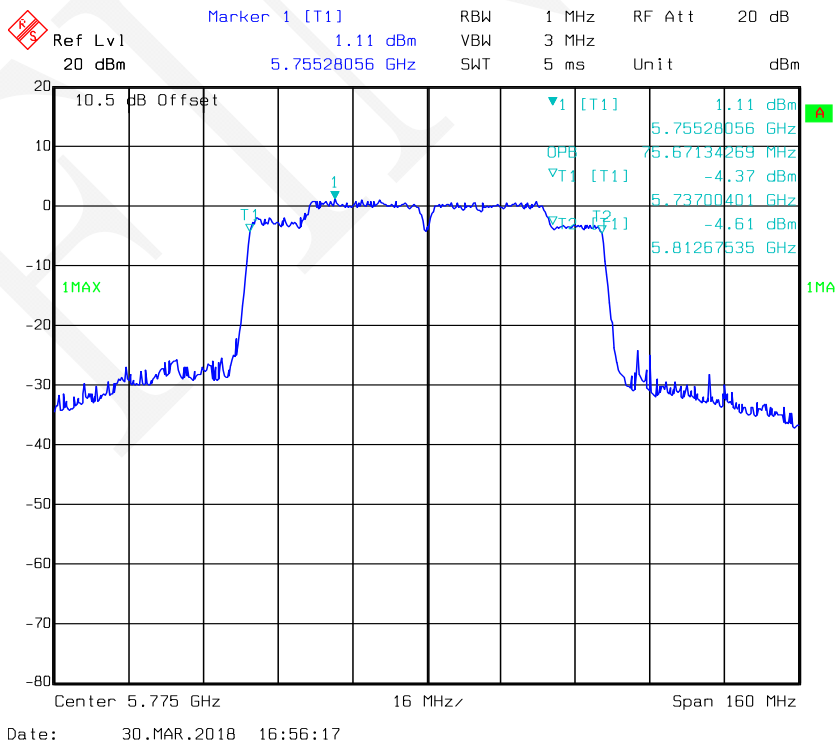


Date: 30.MAR.2018 16:53:41

802.11ac80 mode, 99% Occupied Bandwidth-5775 MHz, Antenna 1



802.11ac80 mode, 99% Occupied Bandwidth-5775 MHz, Antenna 2



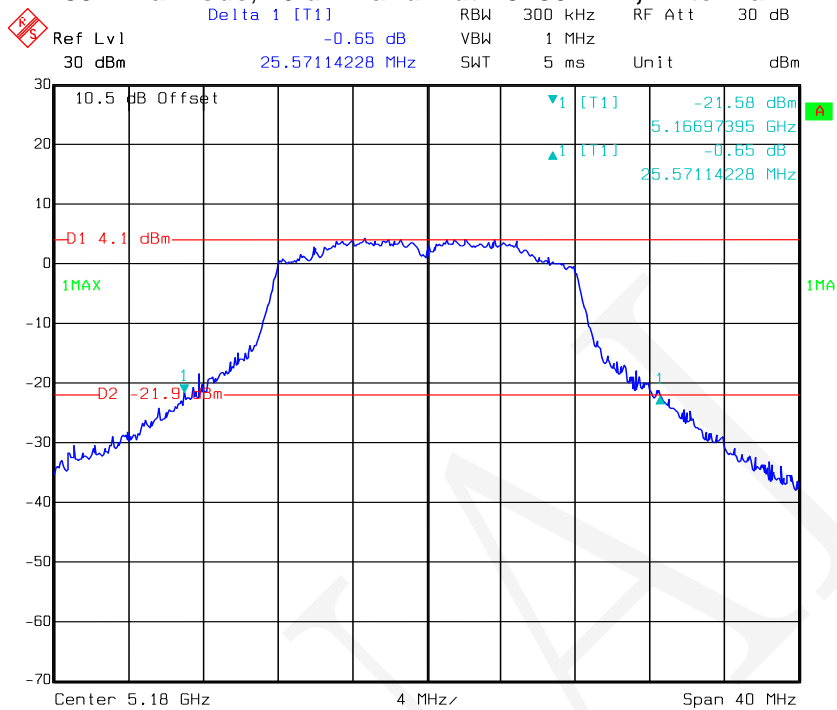
For 8265NGW Module

For 5150-5250 MHz:

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
			Antenna 1	Antenna 2	Antenna 1	Antenna 2
802.11a	Low	5180	25.57	26.45	16.91	18.20
	Middle	5200	24.77	25.25	16.83	16.99
	High	5240	23.97	25.65	16.83	16.99
802.11n-HT20	Low	5180	25.33	26.21	18.04	18.04
	Middle	5200	24.69	24.93	17.96	18.12
	High	5240	25.33	25.33	17.88	18.04
802.11n-HT40	Low	5190	45.37	45.69	36.71	36.55
	High	5230	44.89	43.45	36.55	36.55
802.11ac20	Low	5180	25.25	26.45	17.96	18.12
	Middle	5200	25.09	28.22	17.96	18.20
	High	5240	24.53	25.89	17.96	18.04
802.11ac40	Low	5190	44.41	53.39	36.55	36.55
	High	5230	44.73	46.33	36.55	36.55
802.11ac80	-	5210	85.61	85.29	74.71	75.35

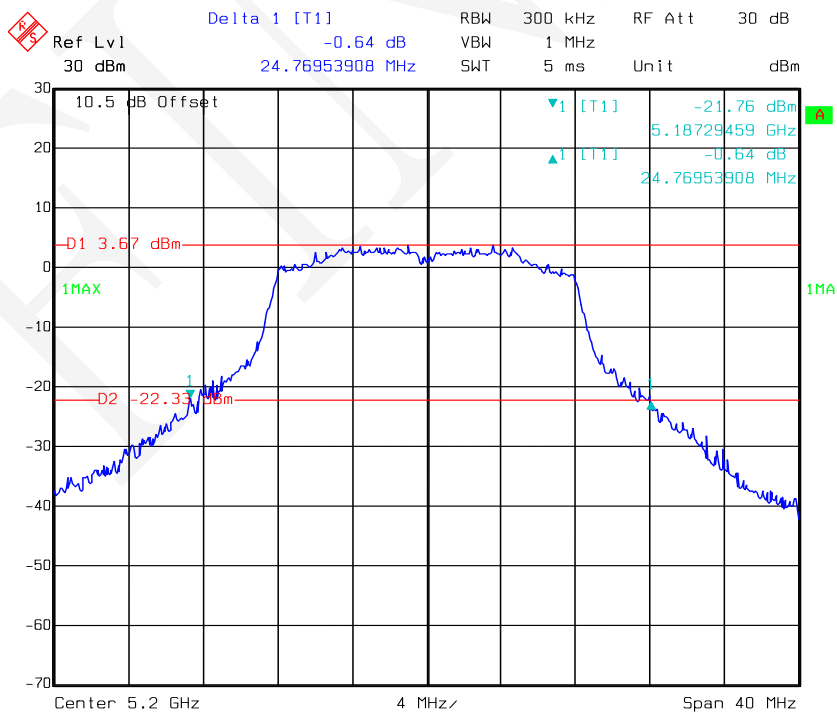
Note: the 99% Occupied Bandwidth doesn't extend U-NII-2A band 5250-5350MHz.

802.11a mode, 26 dB Bandwidth-5180 MHz, Antenna 1



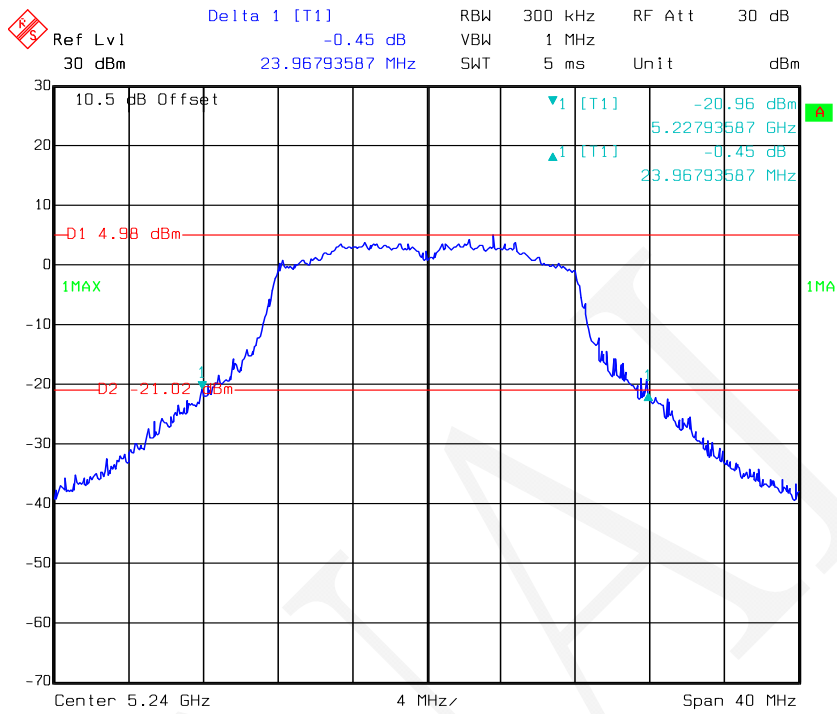
Date: 03.APR.2018 13:38:34

802.11a mode, 26 dB Bandwidth-5200 MHz, Antenna 1



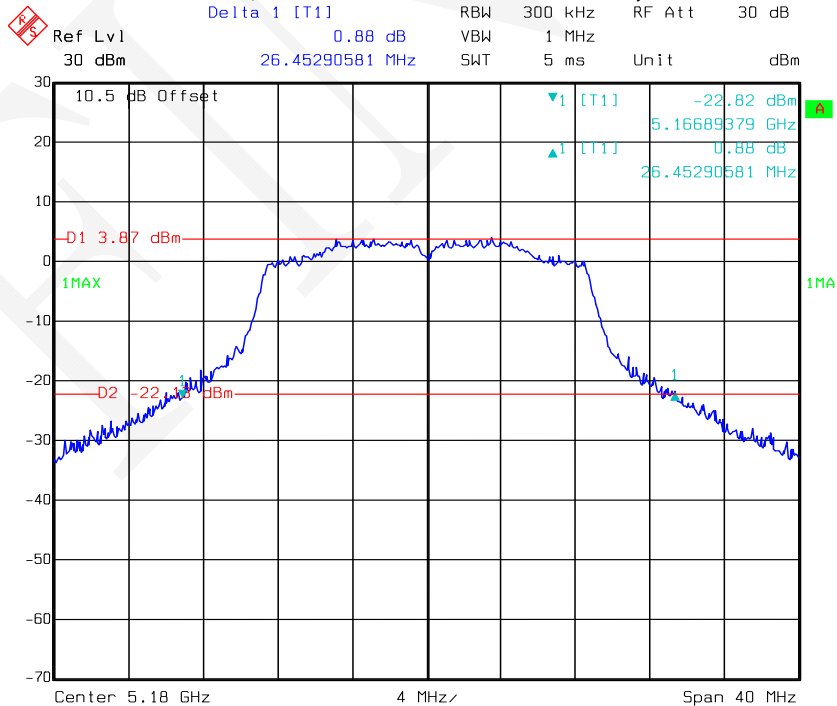
Date: 03.APR.2018 13:40:25

802.11a mode, 26 dB Bandwidth-5240 MHz, Antenna 1



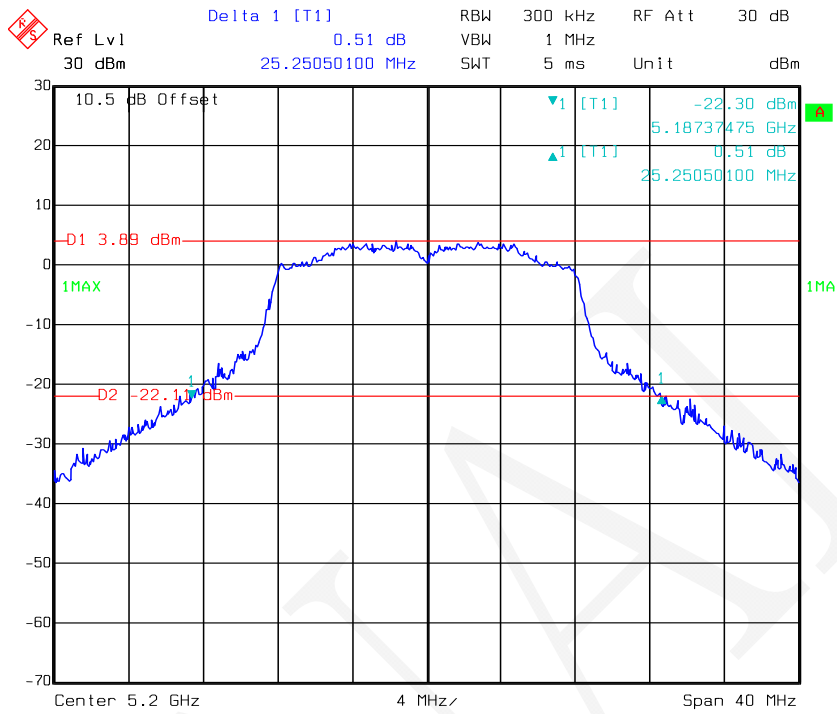
Date: 03.APR.2018 13:42:00

802.11a mode, 26 dB Bandwidth-5180 MHz, Antenna 2



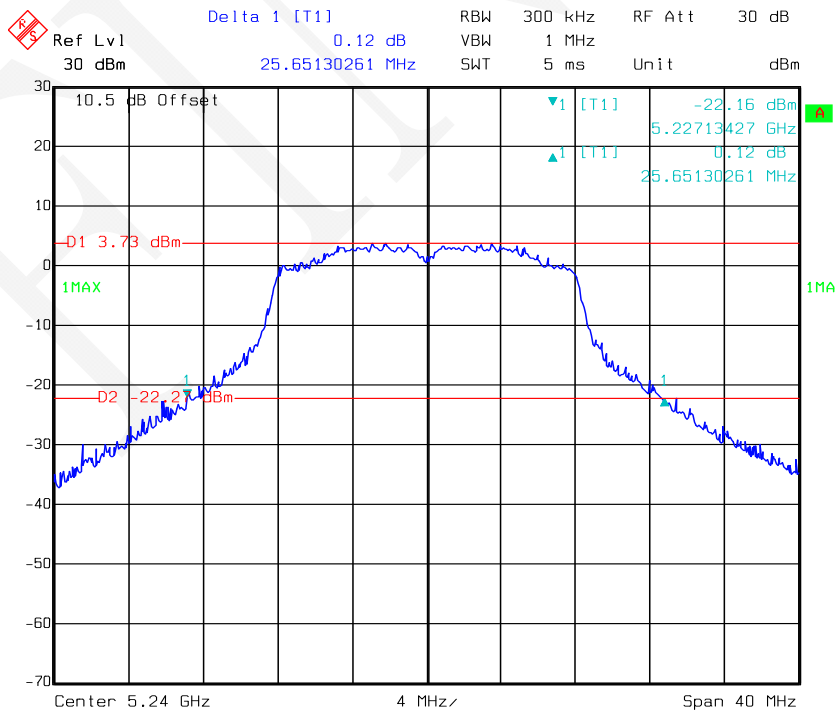
Date: 03.APR.2018 11:15:07

802.11a mode, 26 dB Bandwidth-5200 MHz, Antenna 2



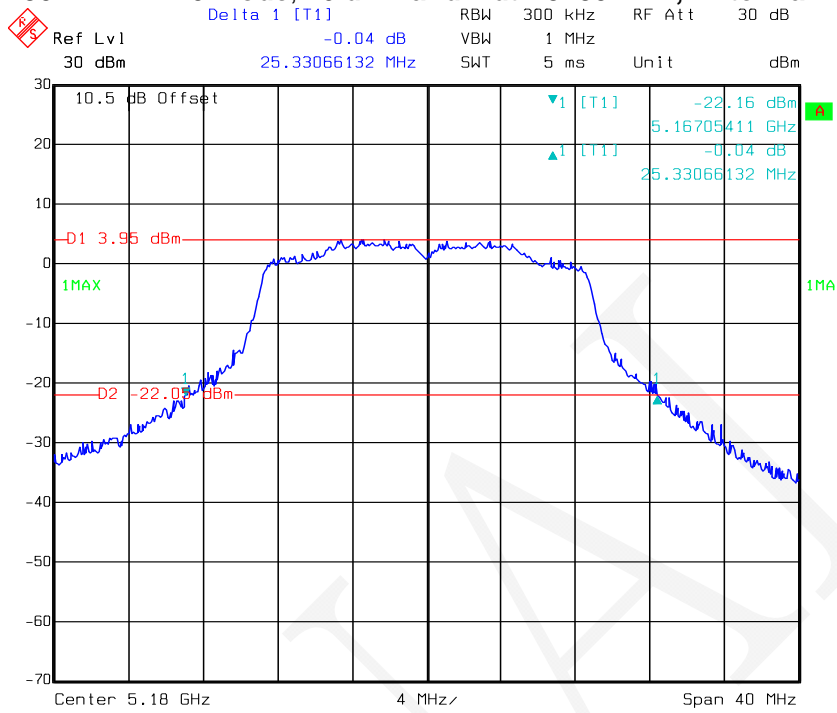
Date: 03.APR.2018 10:25:52

802.11a mode, 26 dB Bandwidth-5240 MHz, Antenna 2



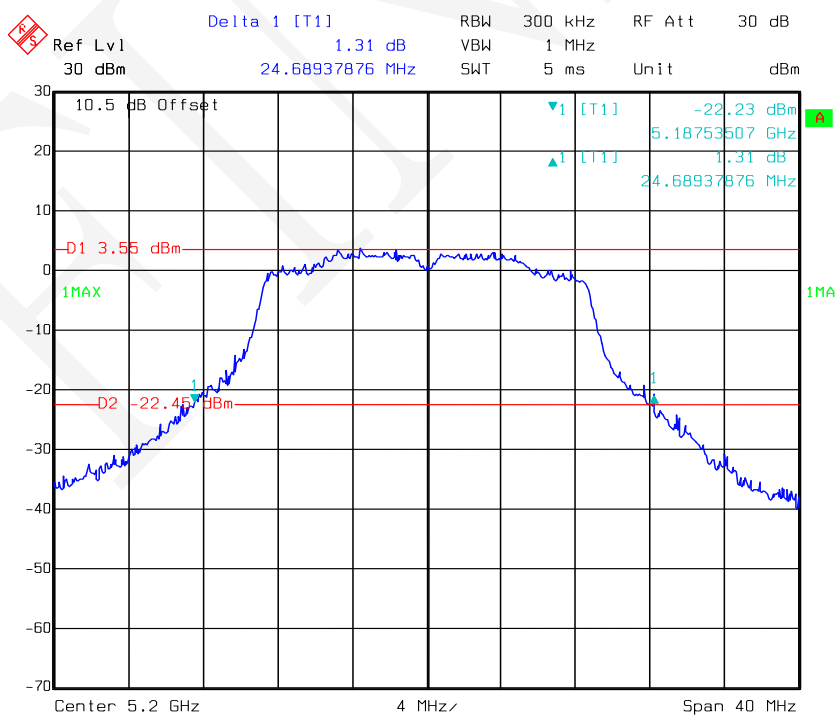
Date: 03.APR.2018 10:30:37

802.11n-HT20 mode, 26 dB Bandwidth-5180 MHz, Antenna 1



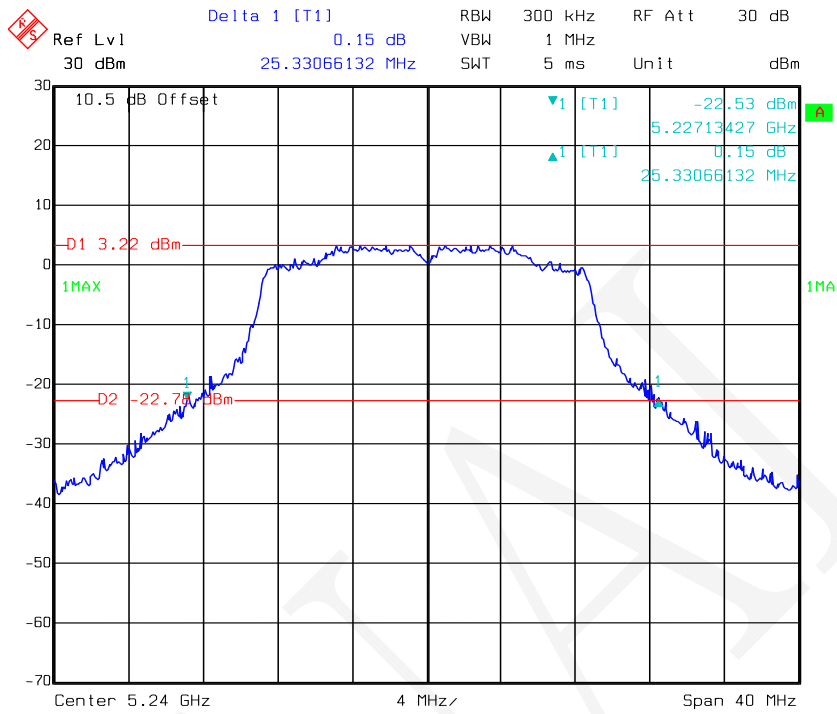
Date: 03.APR.2018 13:46:32

802.11n-HT20 mode, 26 dB Bandwidth-5200 MHz, Antenna 1



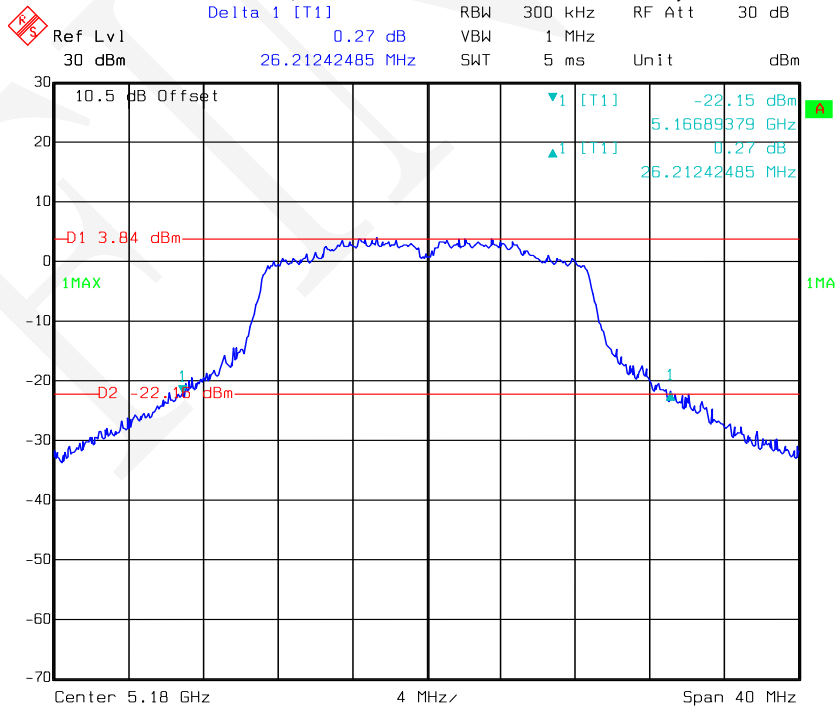
Date: 03.APR.2018 13:45:00

802.11n-HT20 mode, 26 dB Bandwidth-5240 MHz, Antenna 1



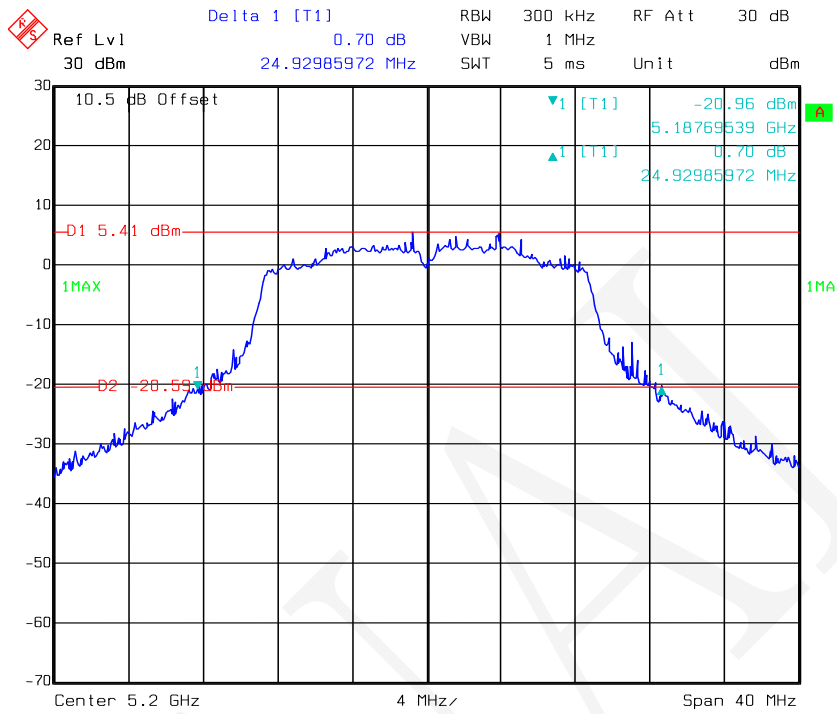
Date: 03.APR.2018 13:43:31

802.11n-HT20 mode, 26 dB Bandwidth-5180 MHz, Antenna 2



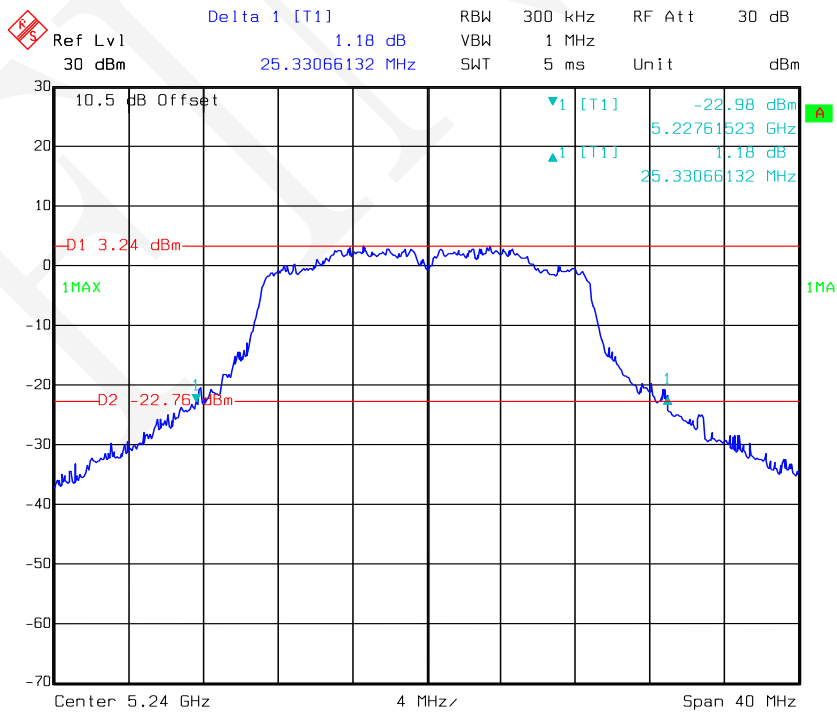
Date: 03.APR.2018 10:32:32

802.11n-HT20 mode, 26 dB Bandwidth-5200 MHz, Antenna 2



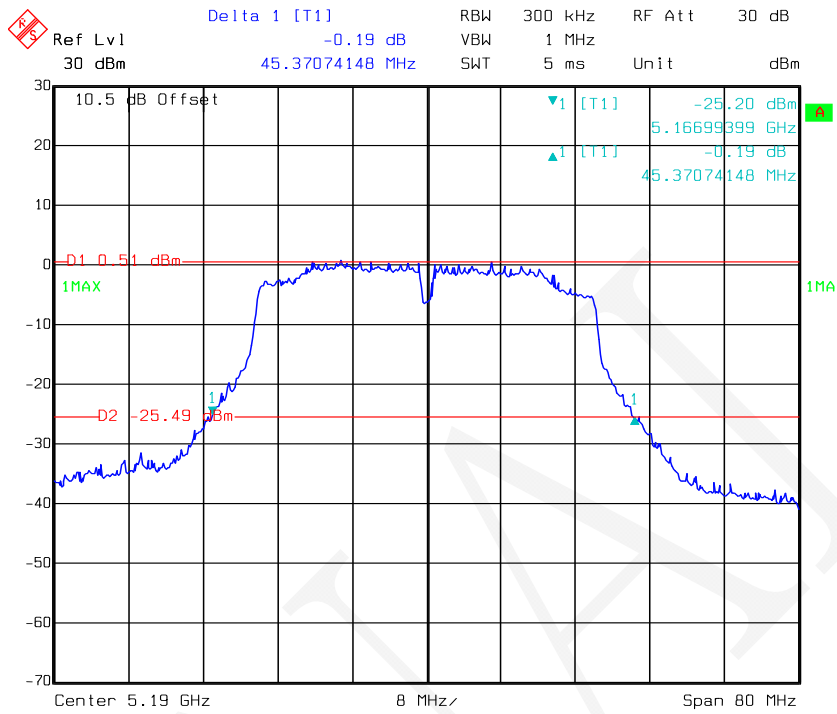
Date: 03.APR.2018 10:35:39

802.11n-HT20 mode, 26 dB Bandwidth-5240 MHz, Antenna 2



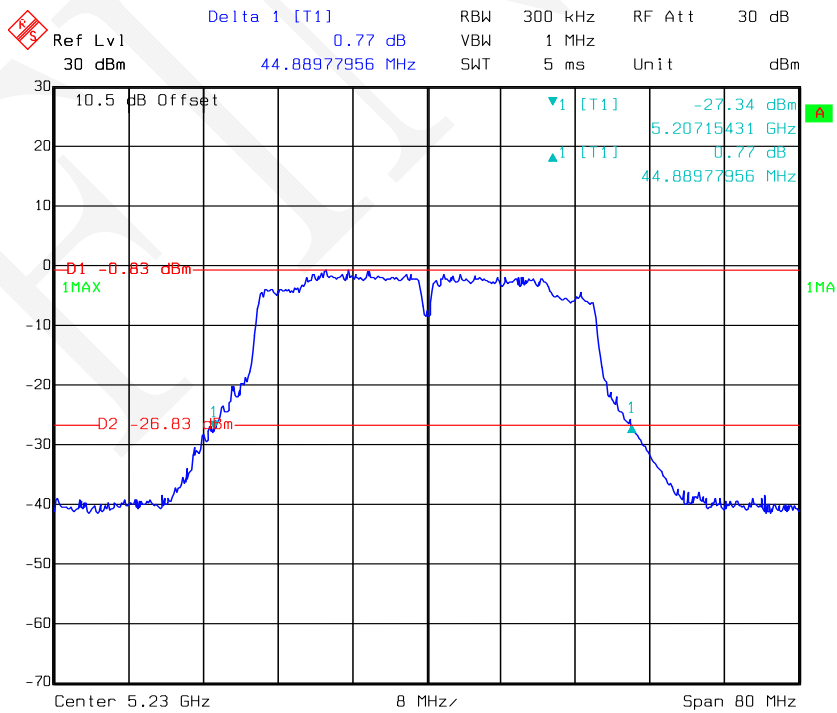
Date: 03.APR.2018 10:38:02

802.11n-HT40 mode, 26 dB Bandwidth-5190 MHz, Antenna 1



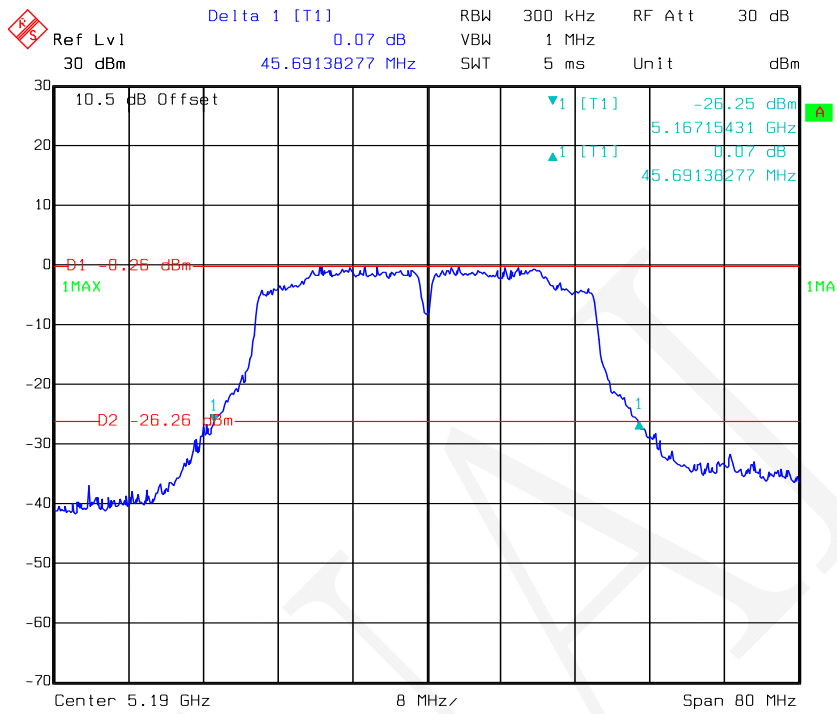
Date: 03.APR.2018 14:13:24

802.11n-HT40 mode, 26 dB Bandwidth-5230 MHz, Antenna 1



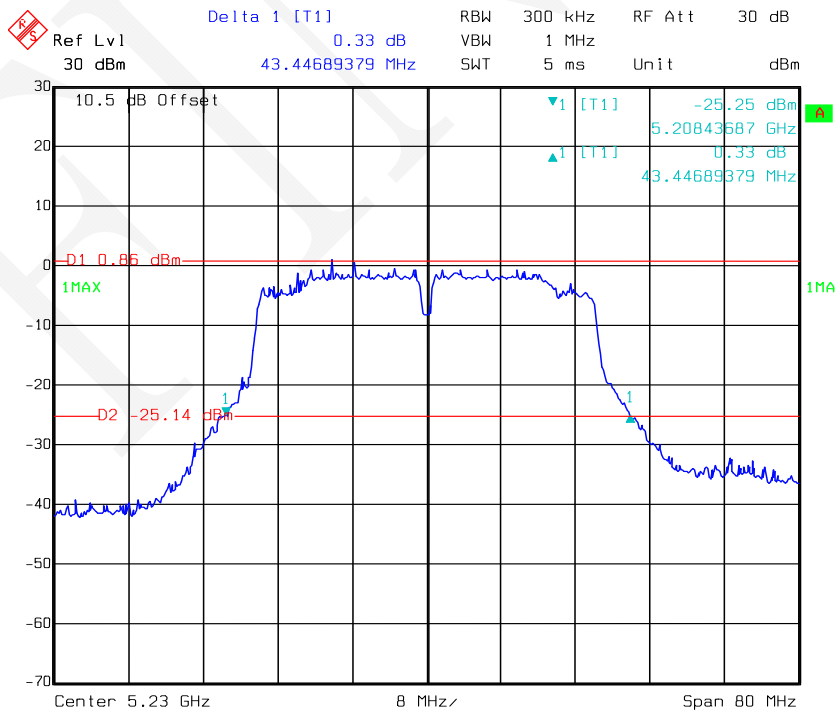
Date: 03.APR.2018 14:14:45

802.11n-HT40 mode, 26 dB Bandwidth-5190 MHz, Antenna 2



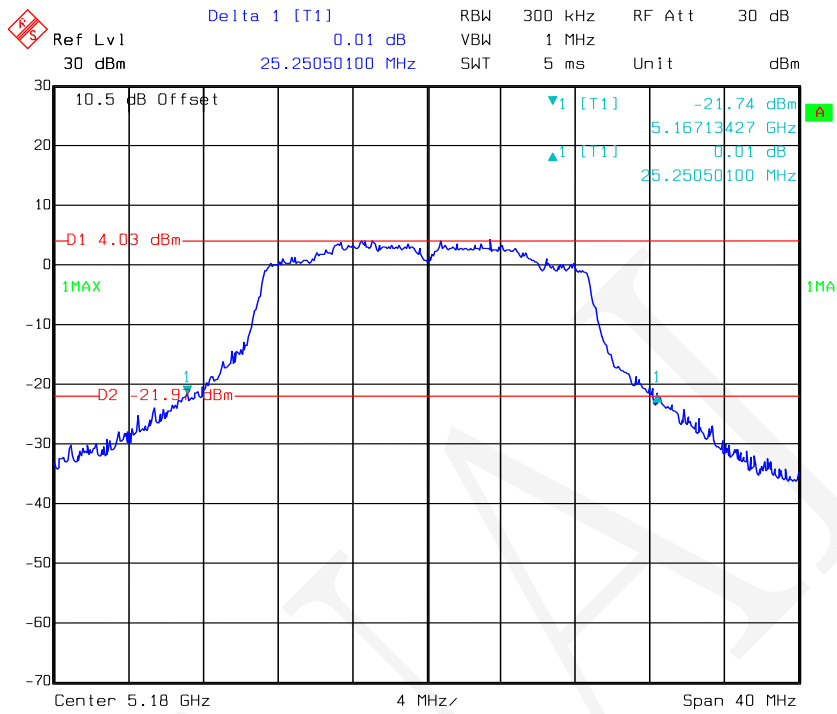
Date: 03.APR.2018 12:11:52

802.11n-HT40 mode, 26 dB Bandwidth-5230 MHz, Antenna 2



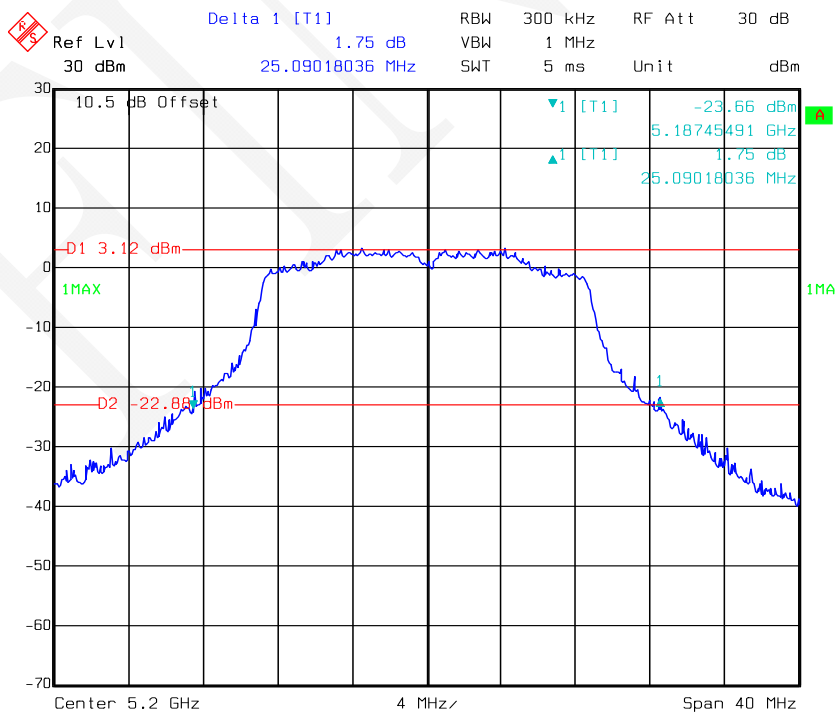
Date: 03.APR.2018 12:13:32

802.11ac20 mode, 26 dB Bandwidth-5180 MHz, Antenna 1



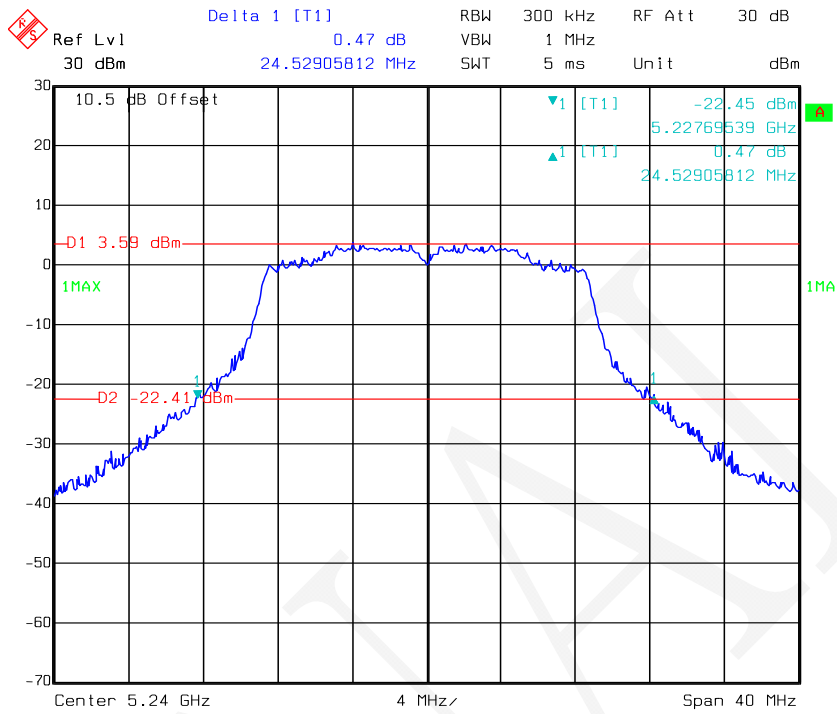
Date: 03.APR.2018 13:48:22

802.11ac20 mode, 26 dB Bandwidth-5200 MHz, Antenna 1



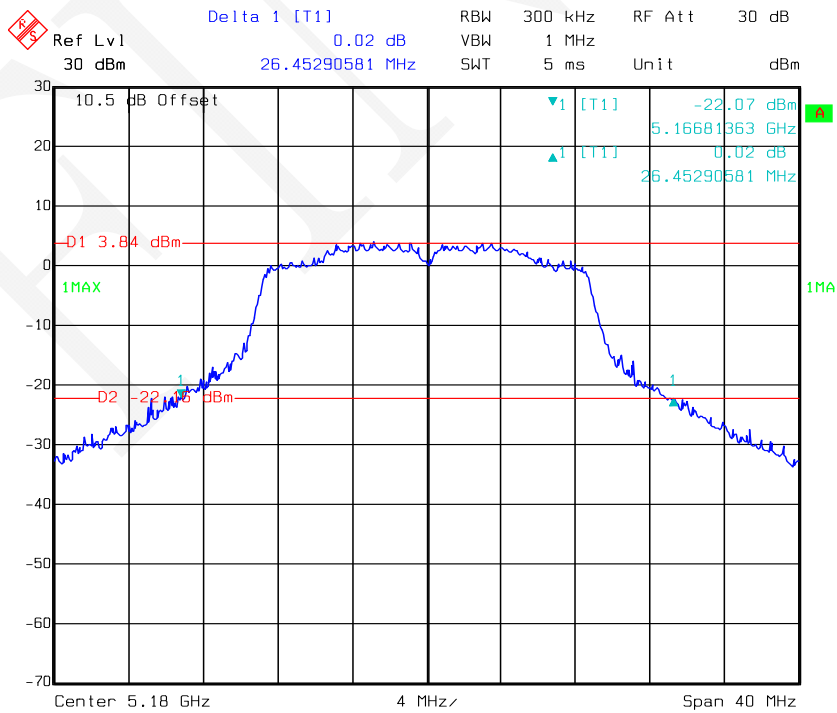
Date: 03.APR.2018 13:50:25

802.11ac20 mode, 26 dB Bandwidth-5240 MHz, Antenna 1



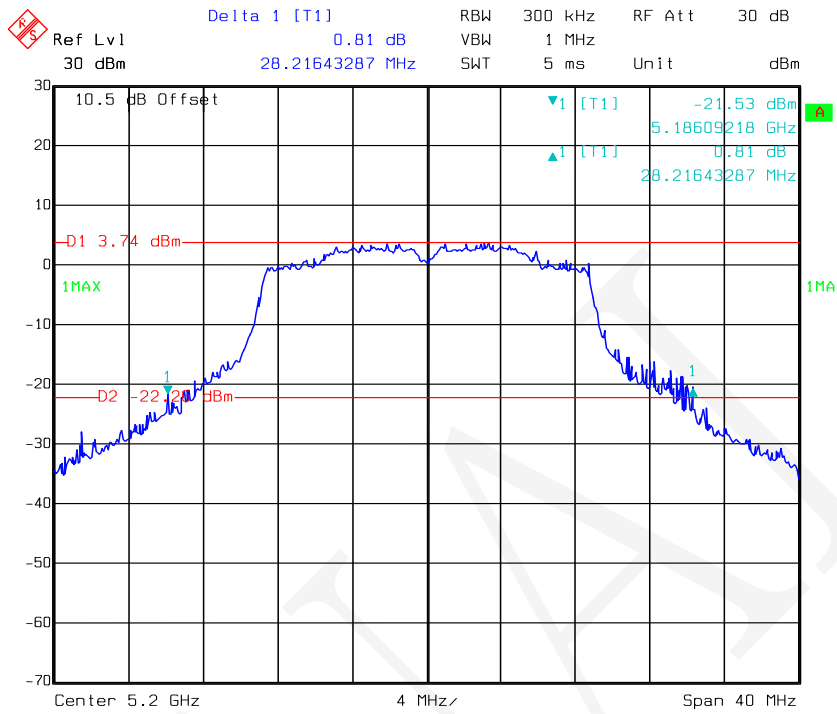
Date: 03.APR.2018 13:53:30

802.11ac20 mode, 26 dB Bandwidth-5180 MHz, Antenna 2



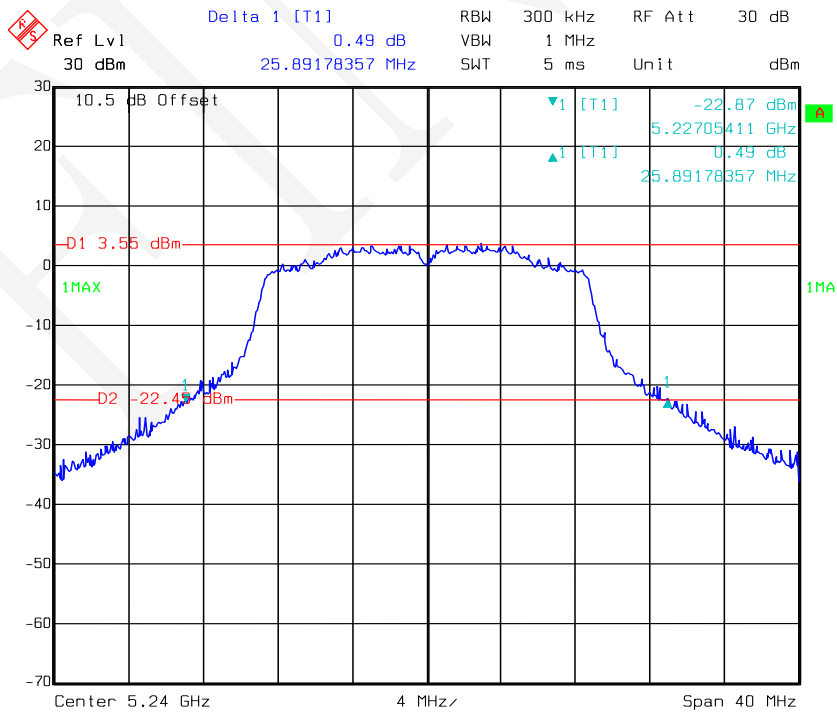
Date: 03.APR.2018 10:45:08

802.11ac20 mode, 26 dB Bandwidth-5200 MHz, Antenna 2



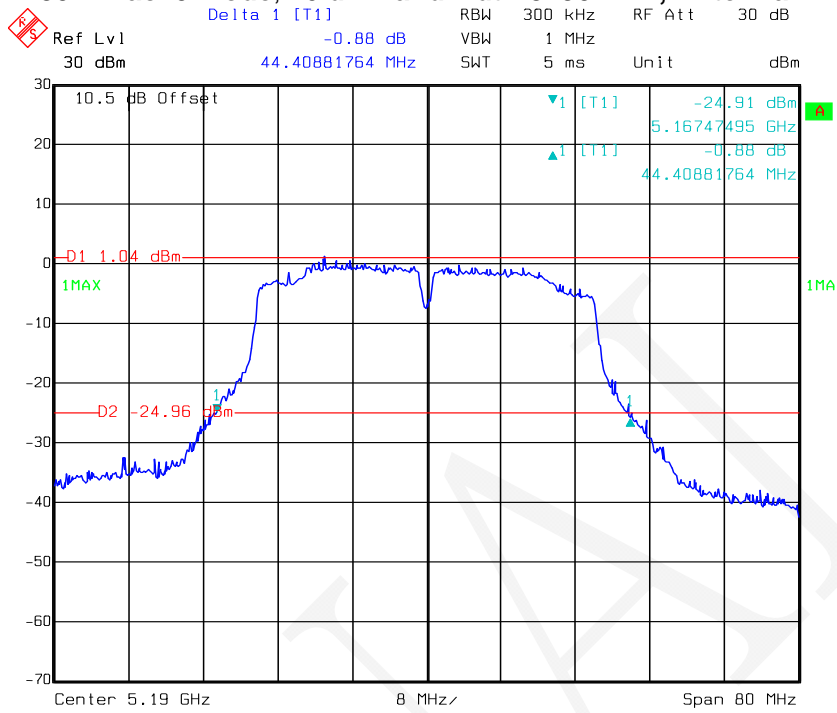
Date: 03.APR.2018 10:47:50

802.11ac20 mode, 26 dB Bandwidth-5240 MHz, Antenna 2



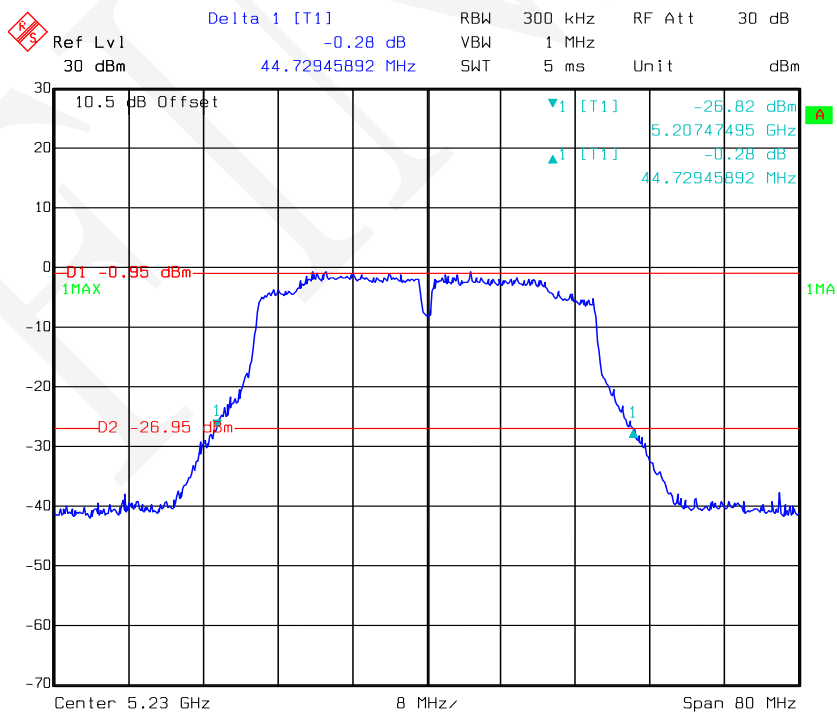
Date: 03.APR.2018 10:52:55

802.11ac40 mode, 26 dB Bandwidth-5190 MHz, Antenna 1



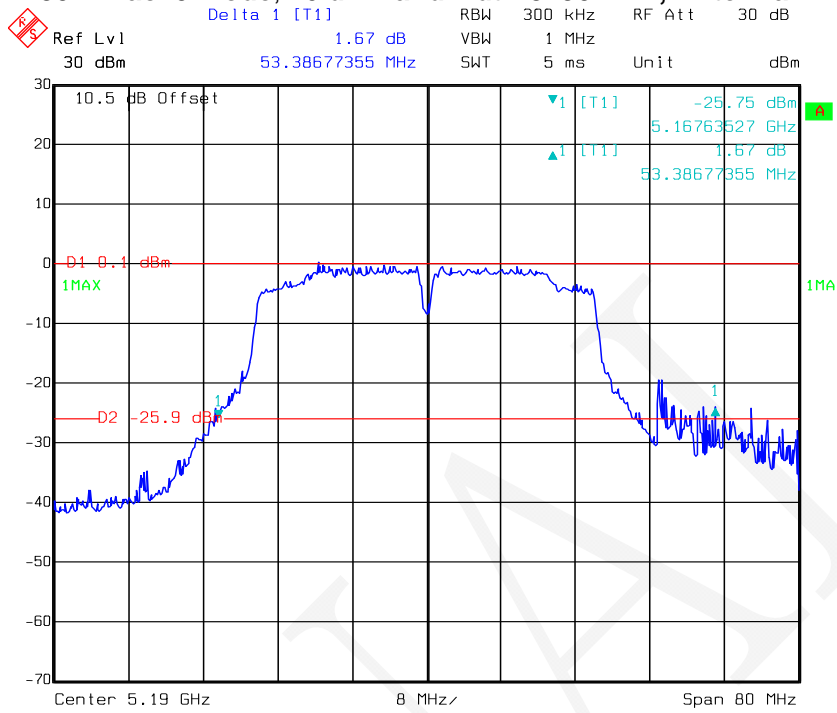
Date: 03.APR.2018 14:07:12

802.11ac40 mode, 26 dB Bandwidth-5230 MHz, Antenna 1



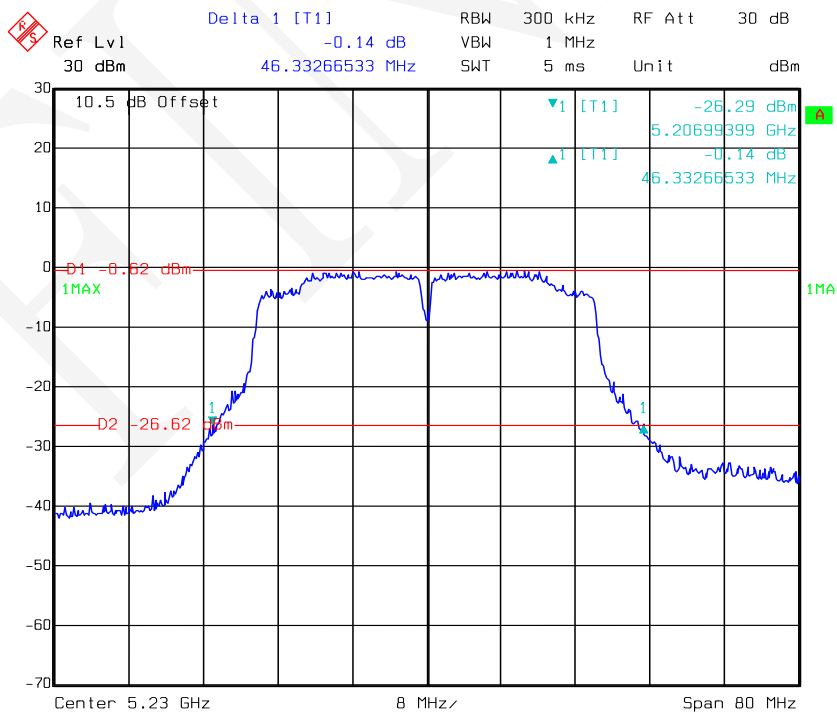
Date: 03.APR.2018 14:08:43

802.11ac40 mode, 26 dB Bandwidth-5190 MHz, Antenna 2



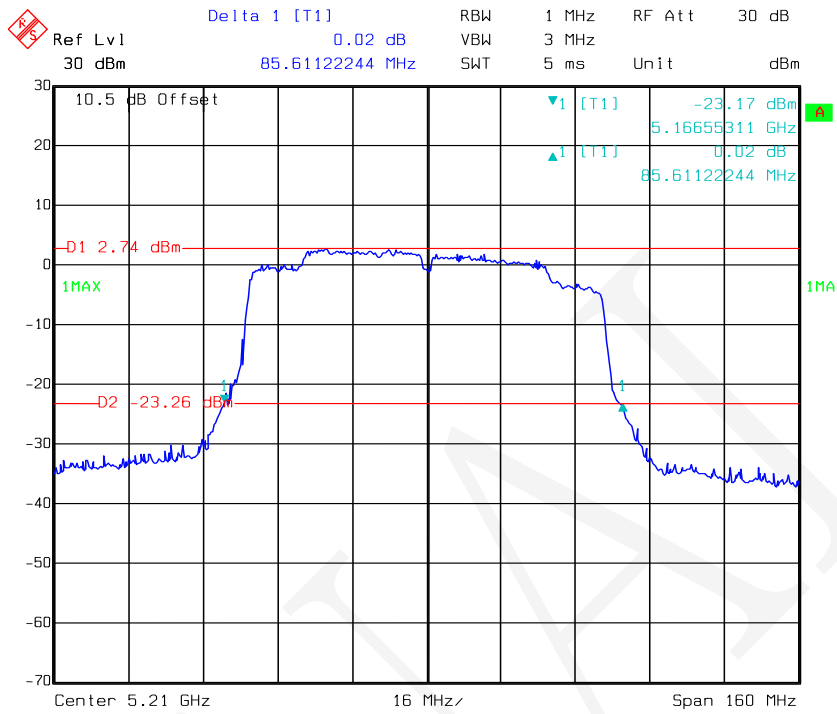
Date: 03.APR.2018 11:03:56

802.11ac40 mode, 26 dB Bandwidth-5230 MHz, Antenna 2



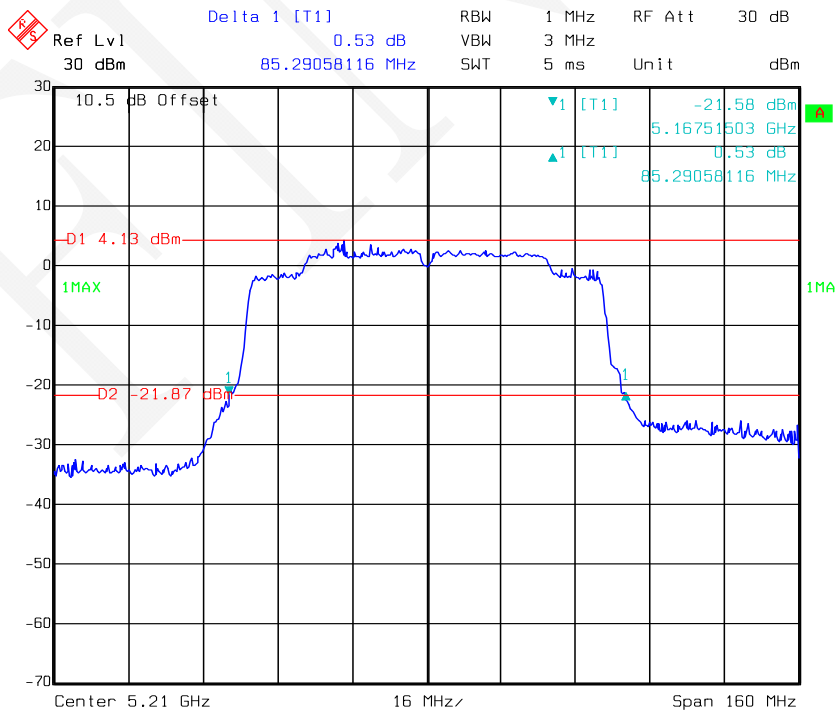
Date: 03.APR.2018 11:01:56

802.11ac80 mode, 26 dB Bandwidth-5210 MHz, Antenna 1



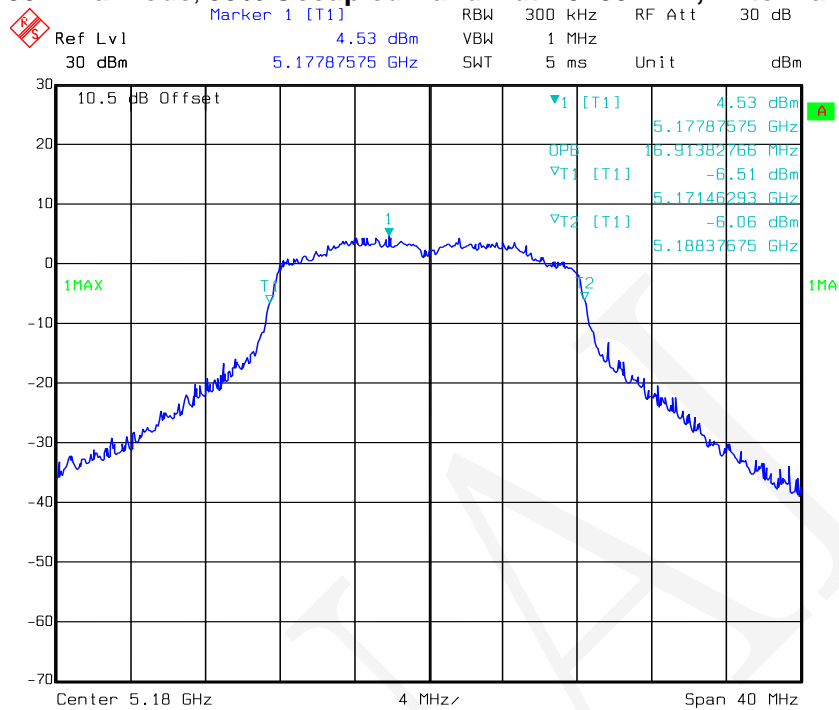
Date: 03.APR.2018 14:28:22

802.11ac80 mode, 26 dB Bandwidth-5210 MHz, Antenna 2



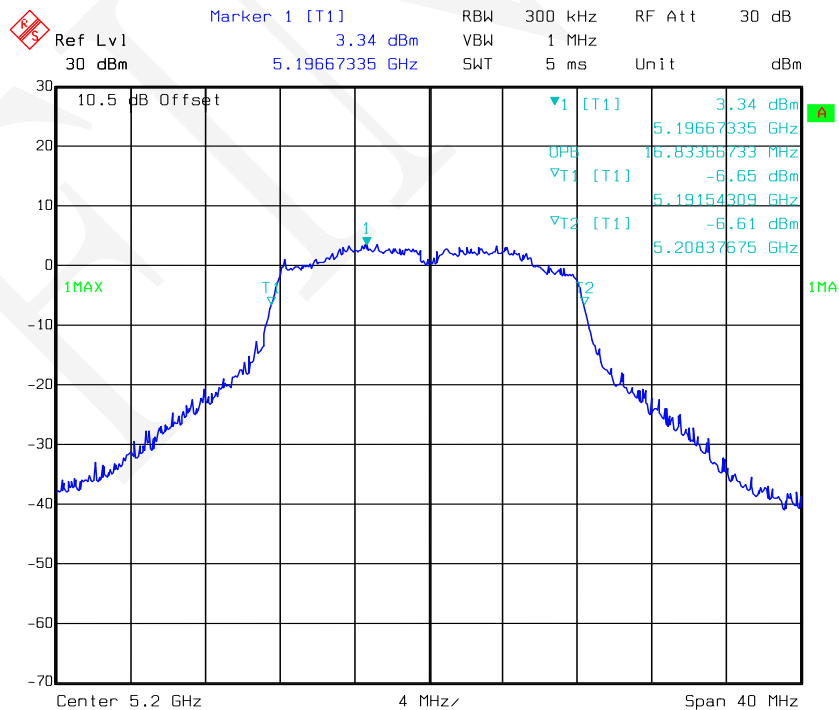
Date: 03.APR.2018 12:09:39

802.11a mode, 99% Occupied Bandwidth-5180 MHz, Antenna 1



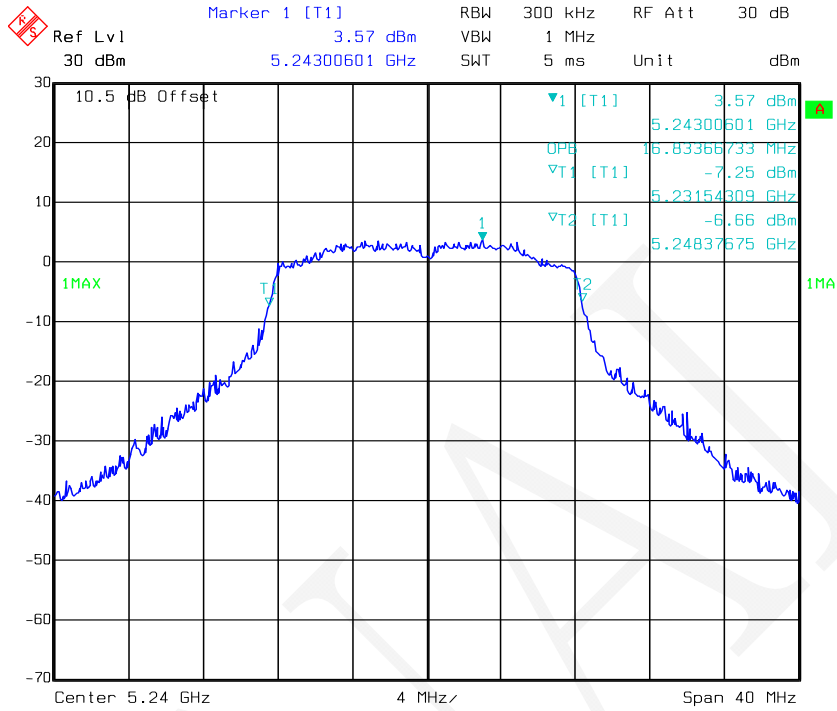
Date: 03.APR.2018 13:39:03

802.11a mode, 99% Occupied Bandwidth -5200 MHz, Antenna 1



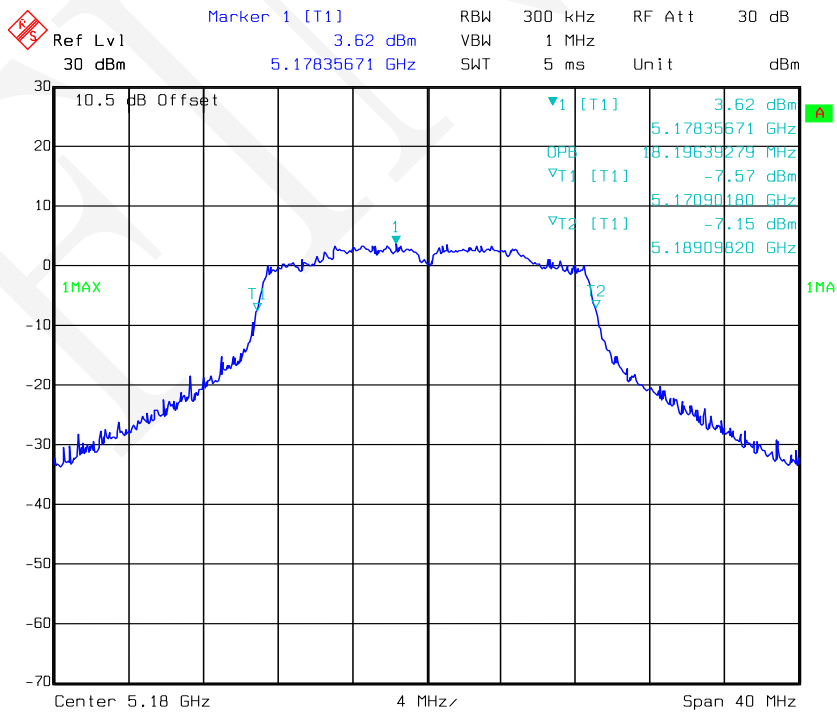
Date: 03.APR.2018 13:40:50

802.11a mode, 99% Occupied Bandwidth -5240 MHz, Antenna 1



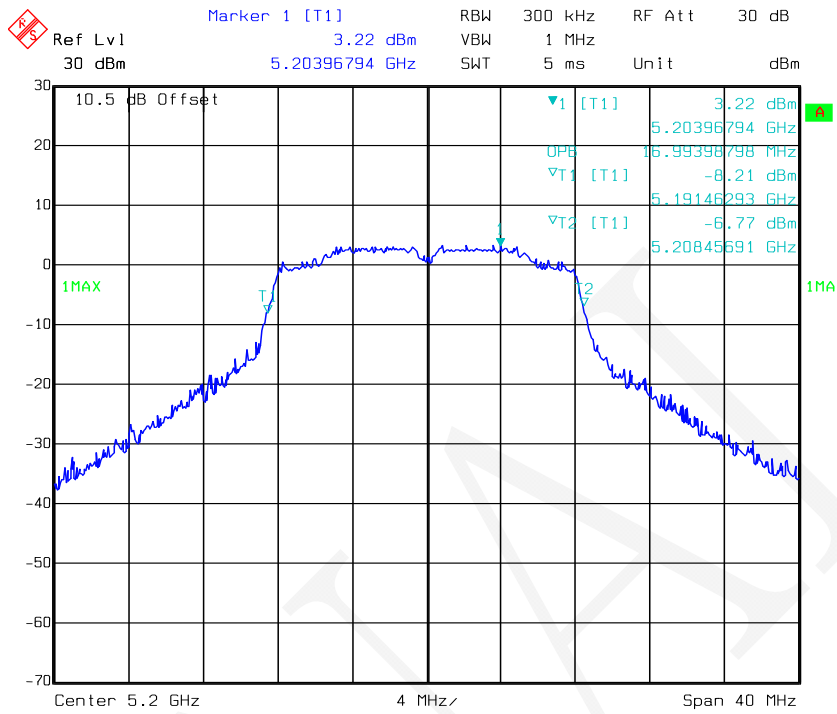
Date: 03.APR.2018 13:42:22

802.11a mode, 99% Occupied Bandwidth-5180 MHz, Antenna 2



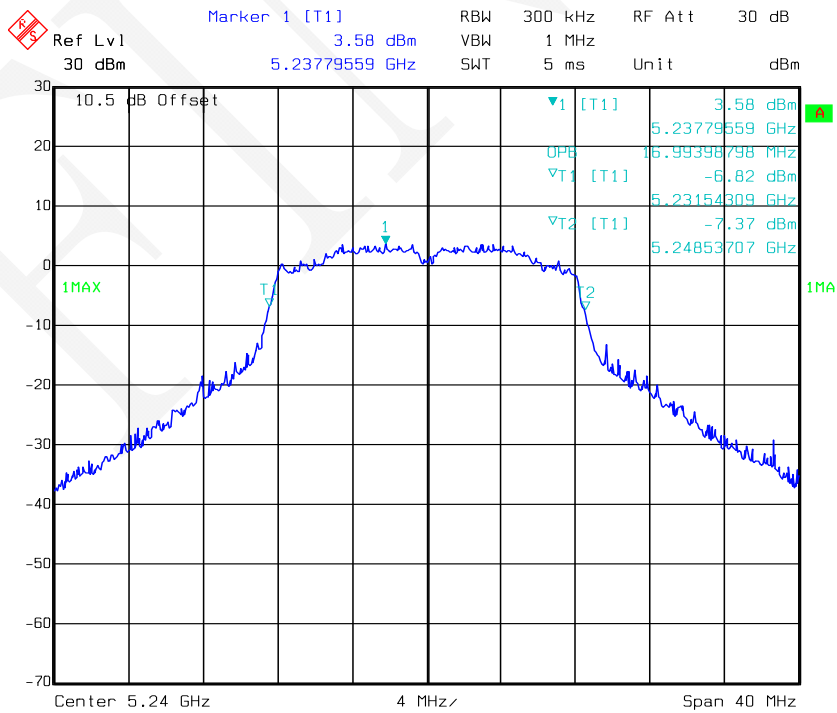
Date: 03.APR.2018 11:14:07

802.11a mode, 99% Occupied Bandwidth -5200 MHz, Antenna 2



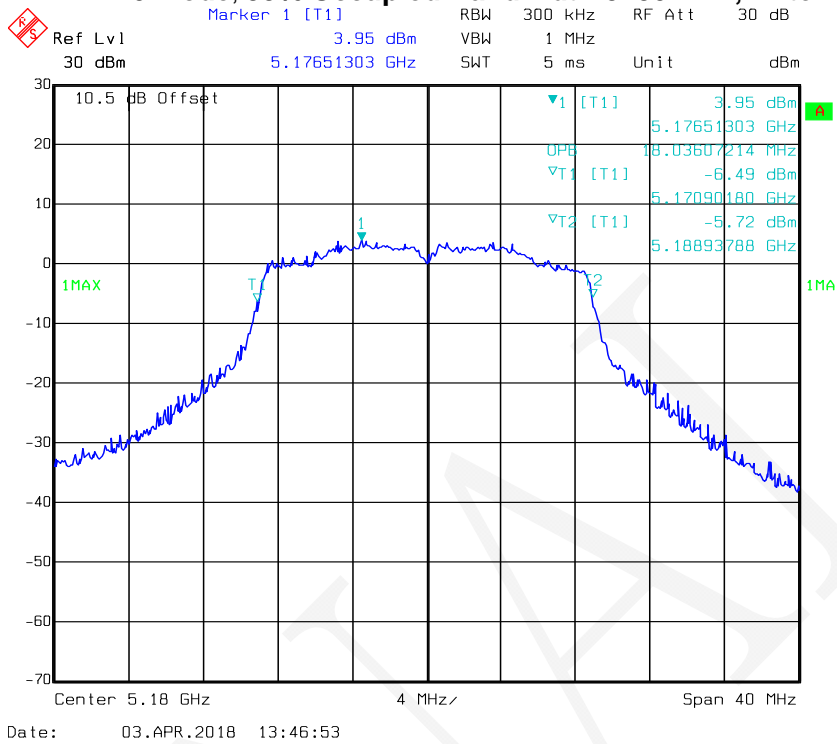
Date: 03.APR.2018 10:26:14

802.11a mode, 99% Occupied Bandwidth -5240 MHz, Antenna 2

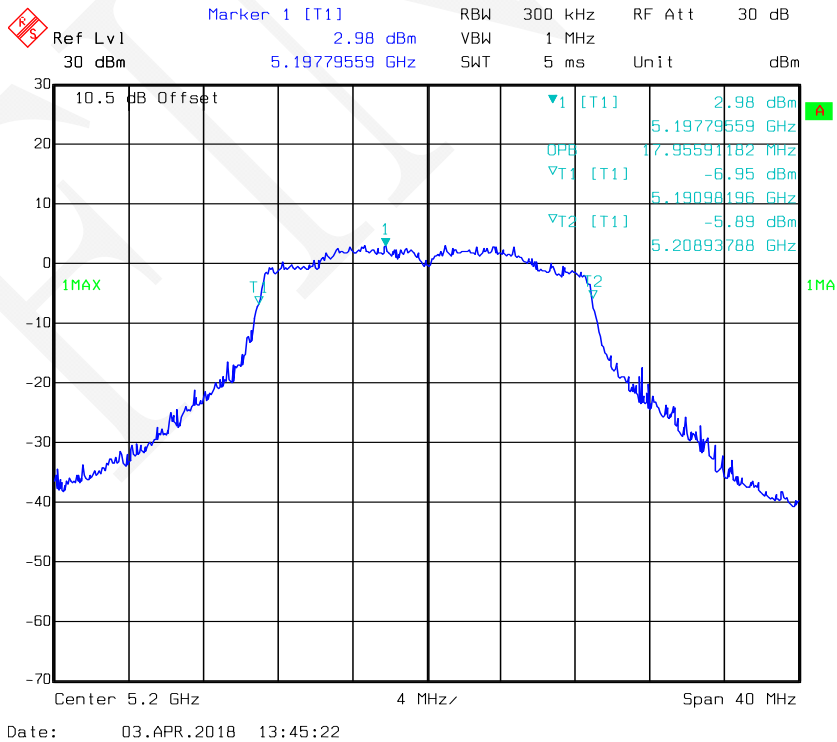


Date: 03.APR.2018 10:29:59

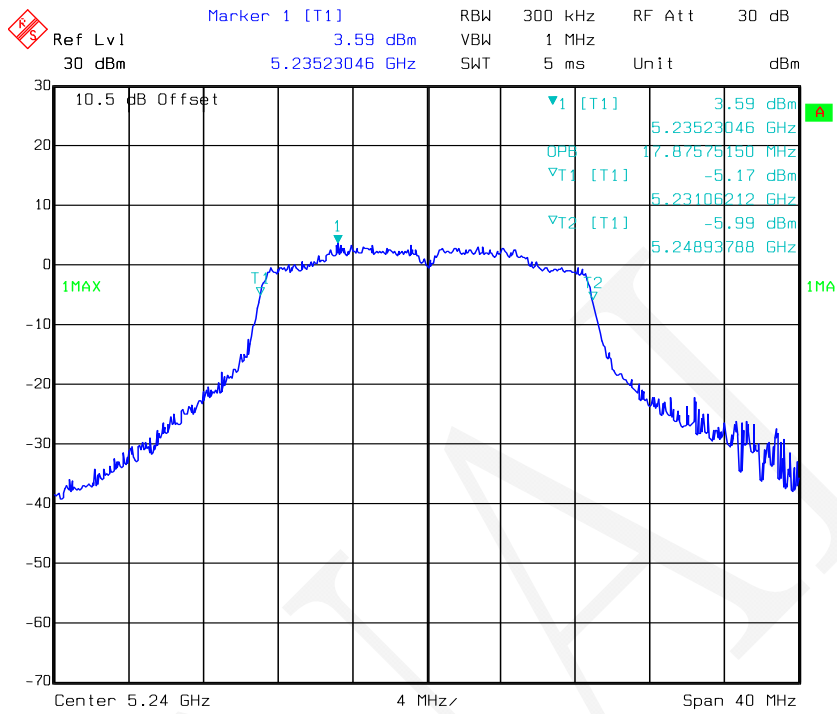
802.11n-HT20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 1



802.11n-HT20 mode, 99% Occupied Bandwidth -5200 MHz, Antenna 1

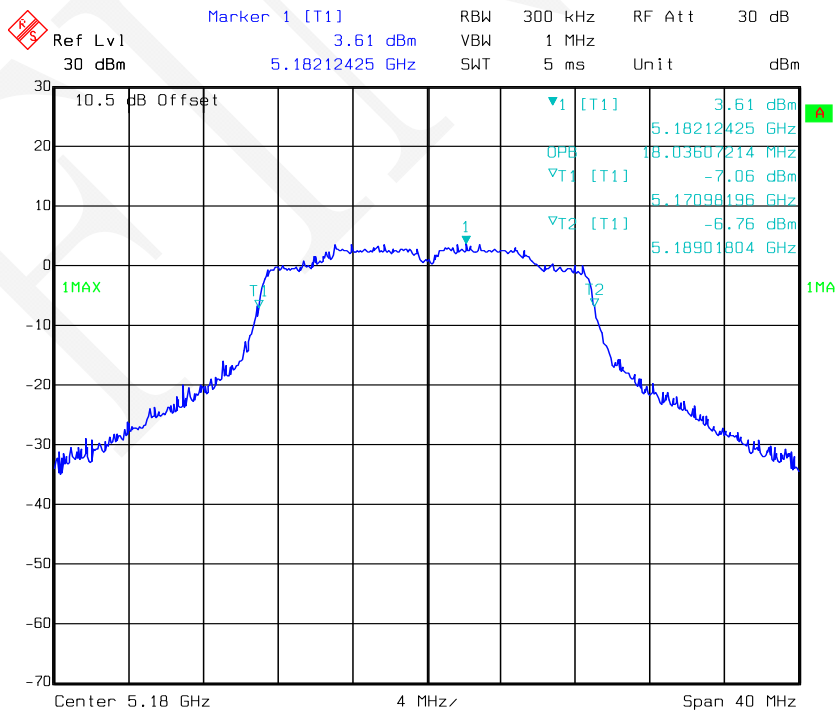


802.11n-HT20 mode, 99% Occupied Bandwidth -5240 MHz, Antenna 1



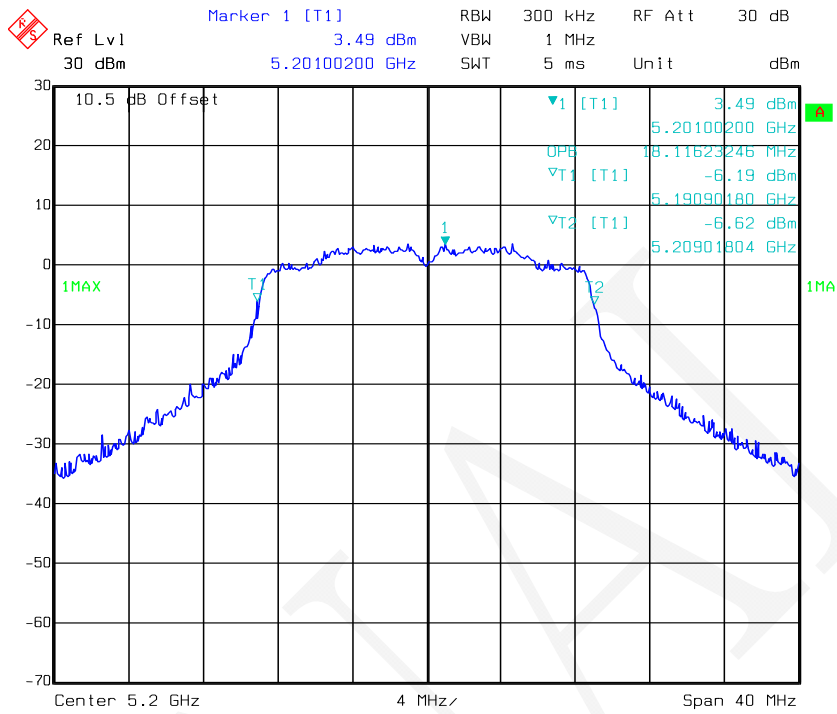
Date: 03.APR.2018 13:43:52

802.11n-HT20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 2



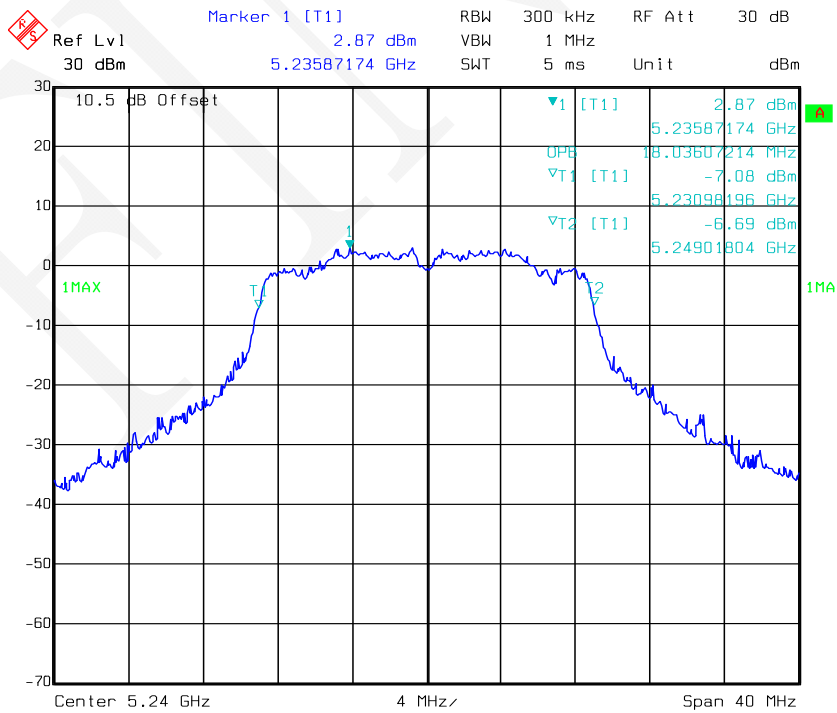
Date: 03.APR.2018 10:33:01

802.11n-HT20 mode, 99% Occupied Bandwidth -5200 MHz, Antenna 2



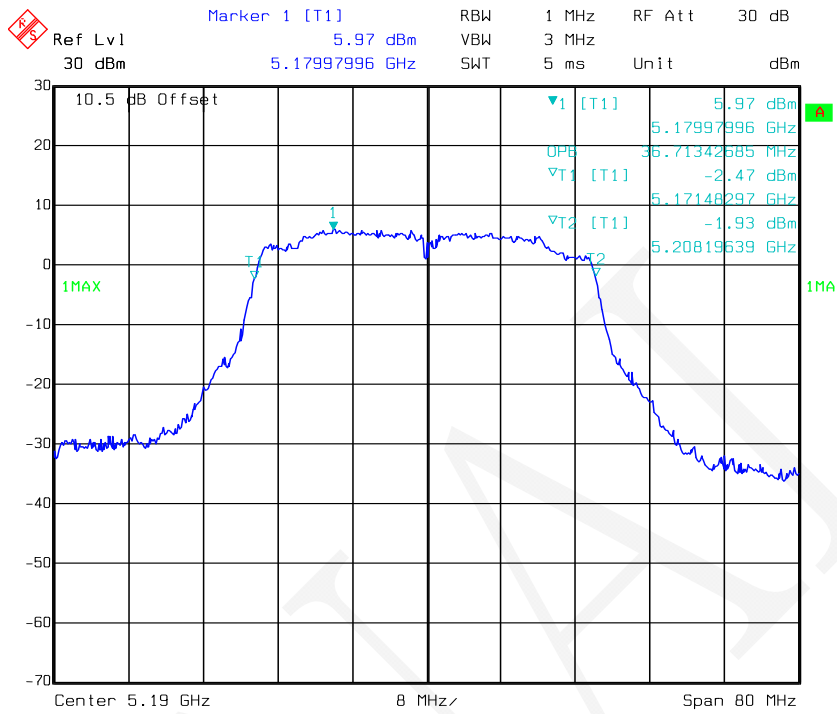
Date: 03.APR.2018 10:36:10

802.11n-HT20 mode, 99% Occupied Bandwidth -5240 MHz, Antenna 2



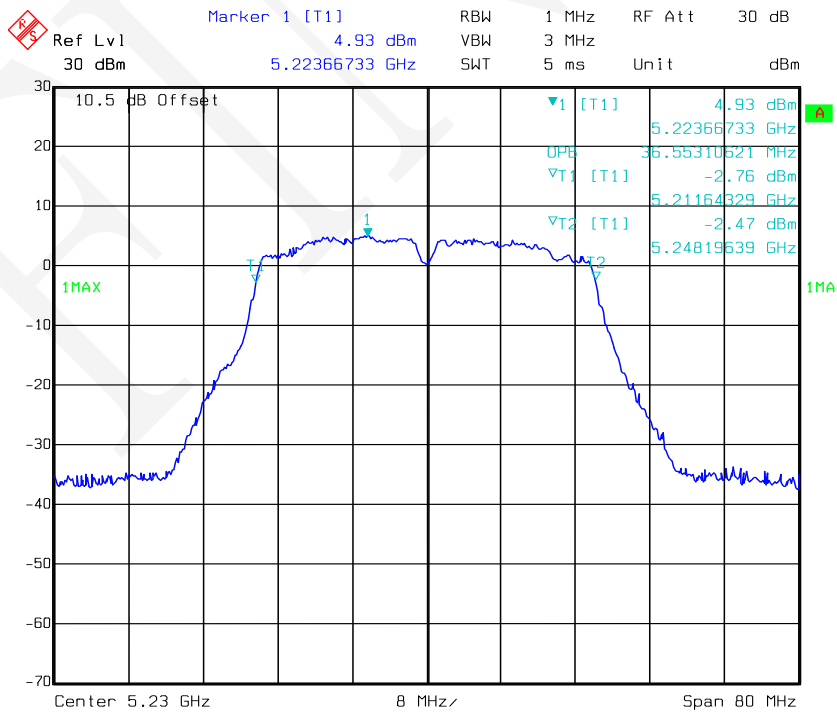
Date: 03.APR.2018 10:38:27

802.11n-HT40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 1



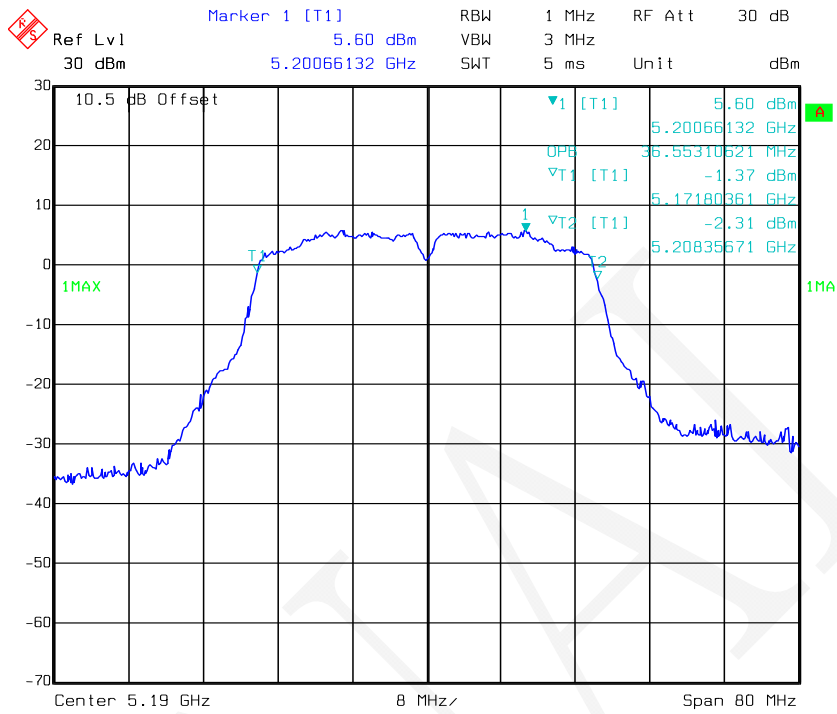
Date: 03.APR.2018 14:13:49

802.11n-HT40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 1



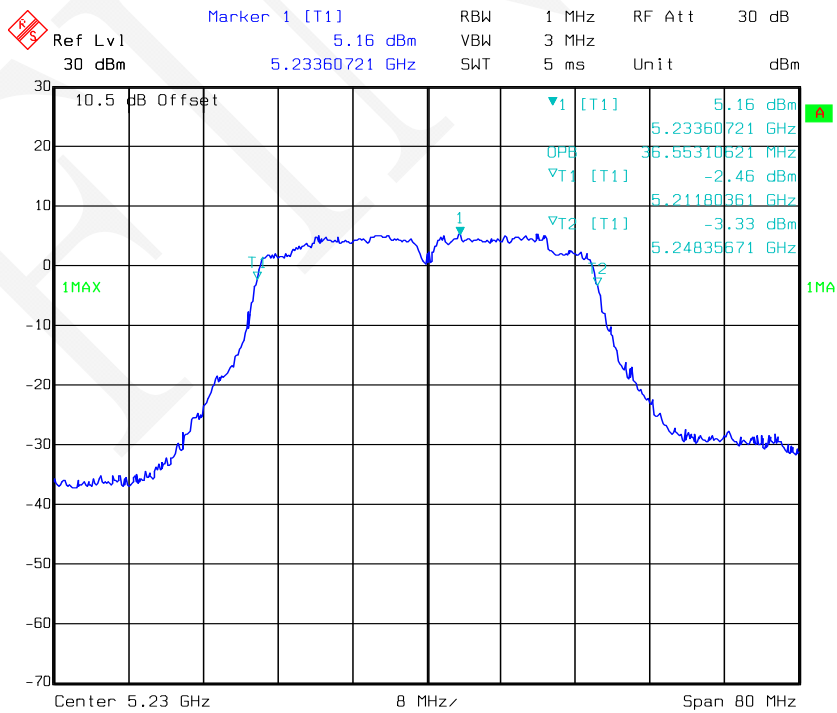
Date: 03.APR.2018 14:15:07

802.11n-HT40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 2



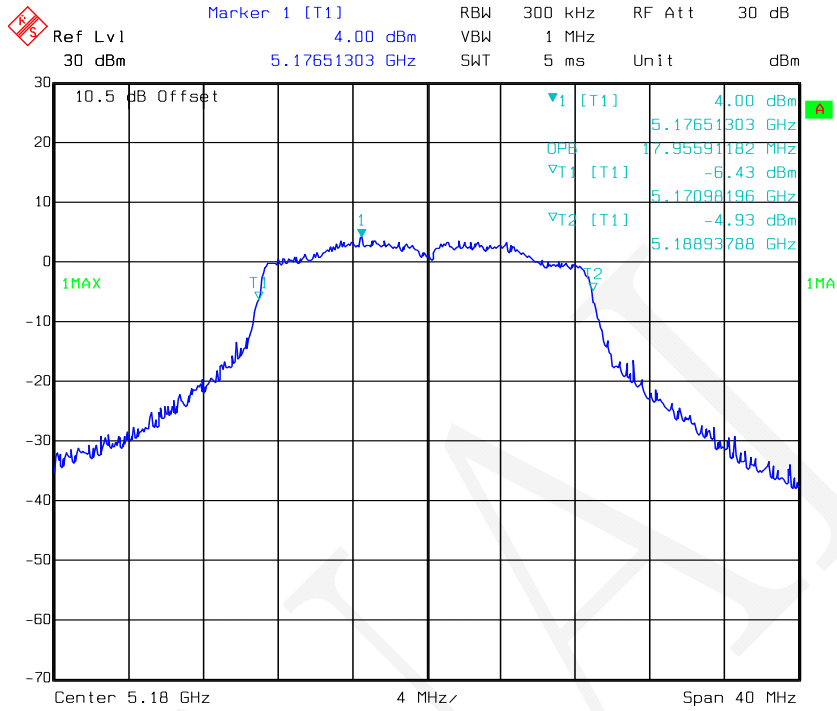
Date: 03.APR.2018 12:12:24

802.11n-HT40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 2

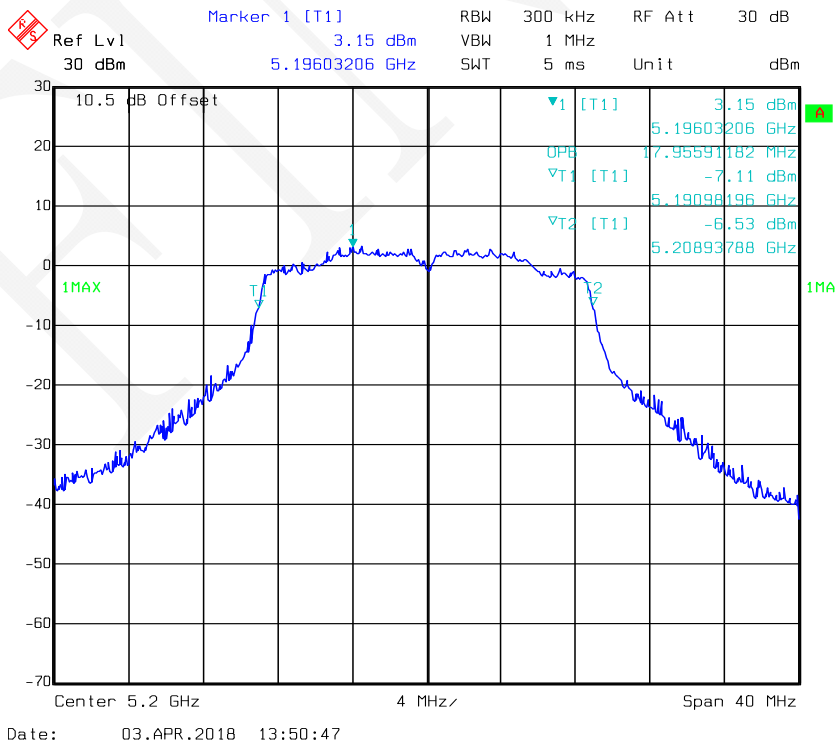


Date: 03.APR.2018 12:13:54

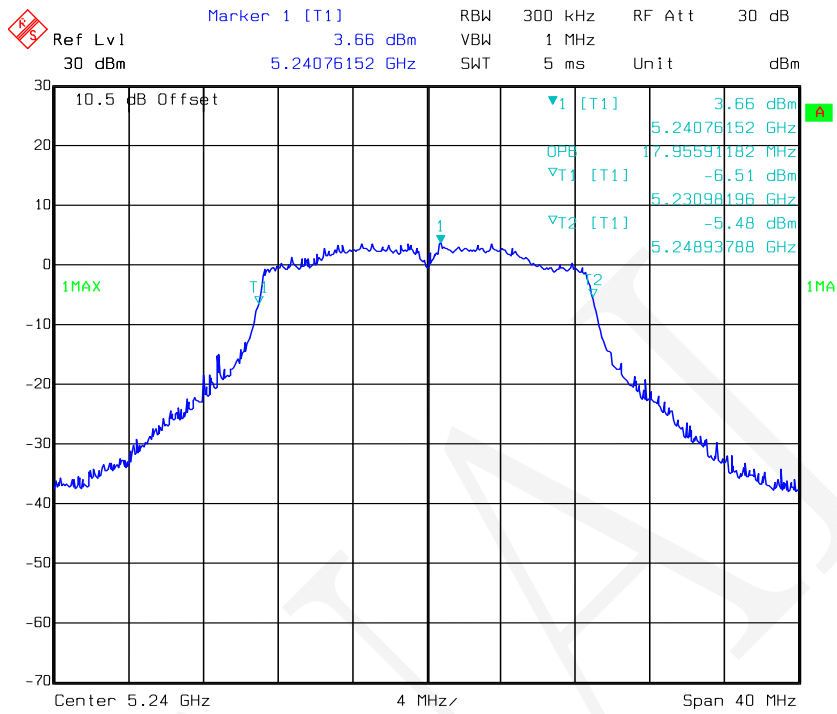
802.11ac20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 1



802.11ac20 mode, 99% Occupied Bandwidth-5200 MHz, Antenna 1

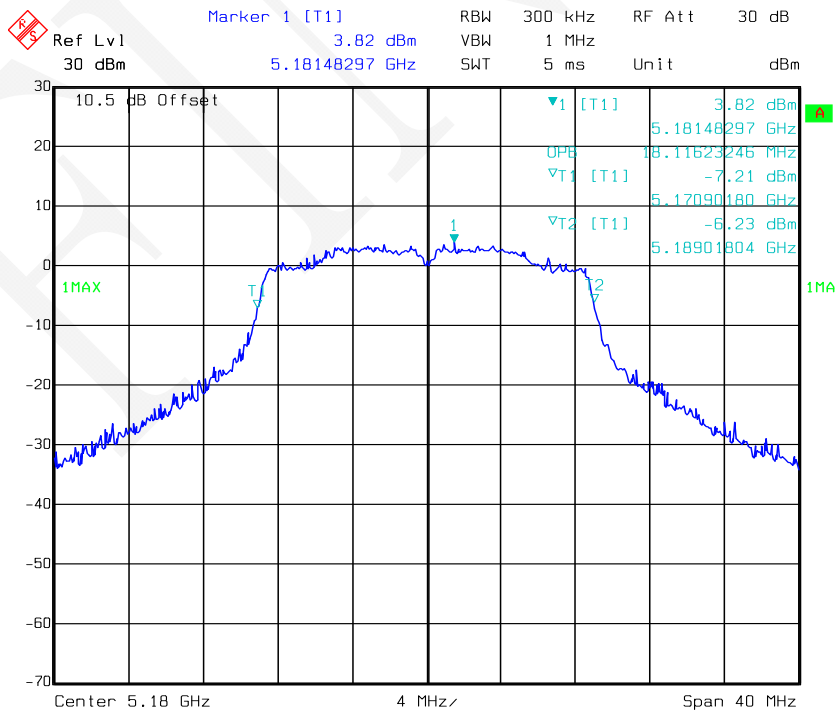


802.11ac20 mode, 99% Occupied Bandwidth-5240 MHz, Antenna 1



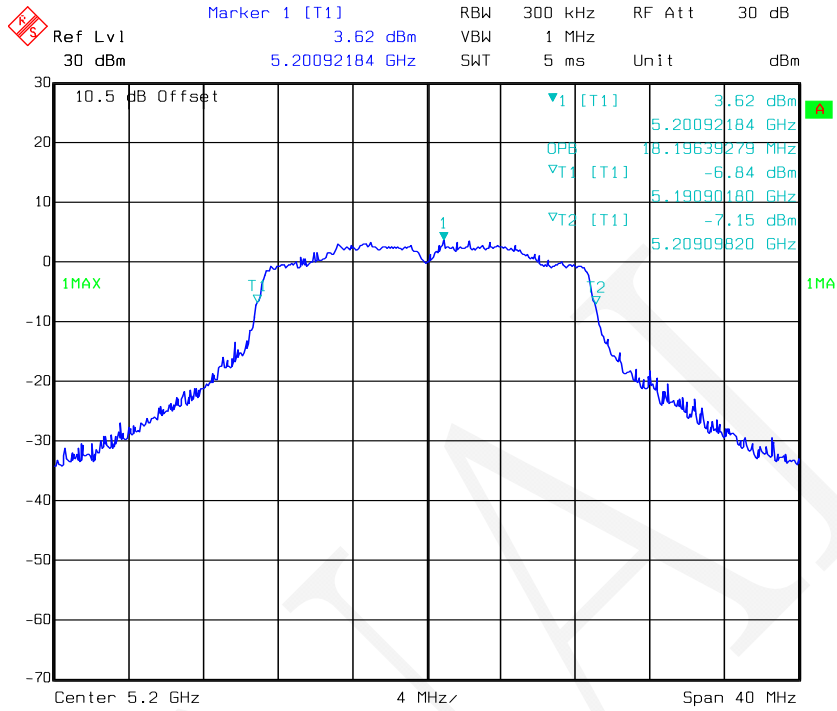
Date: 03.APR.2018 13:54:11

802.11ac20 mode, 99% Occupied Bandwidth-5180 MHz, Antenna 2



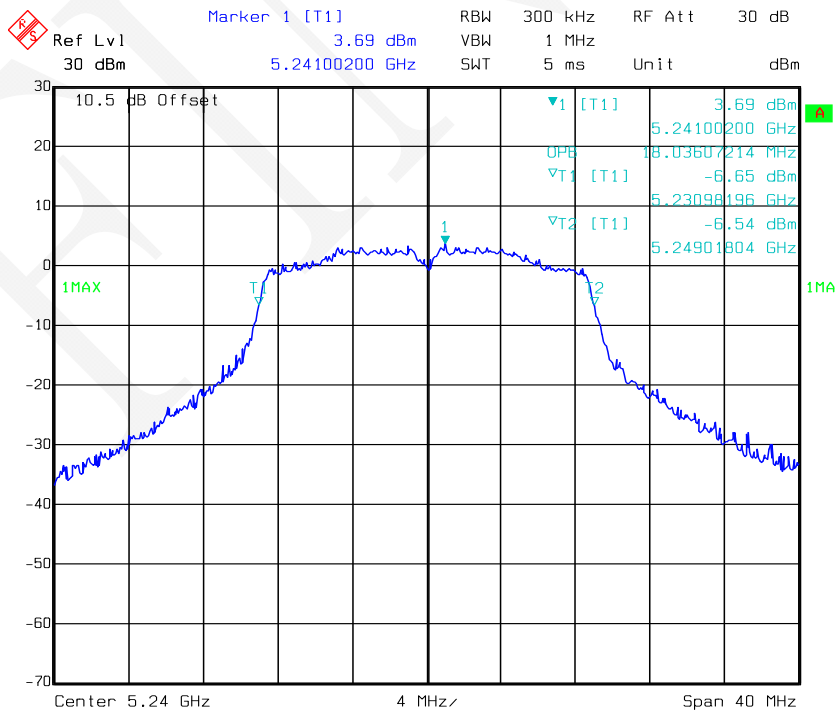
Date: 03.APR.2018 10:43:49

802.11ac20 mode, 99% Occupied Bandwidth-5200 MHz, Antenna 2



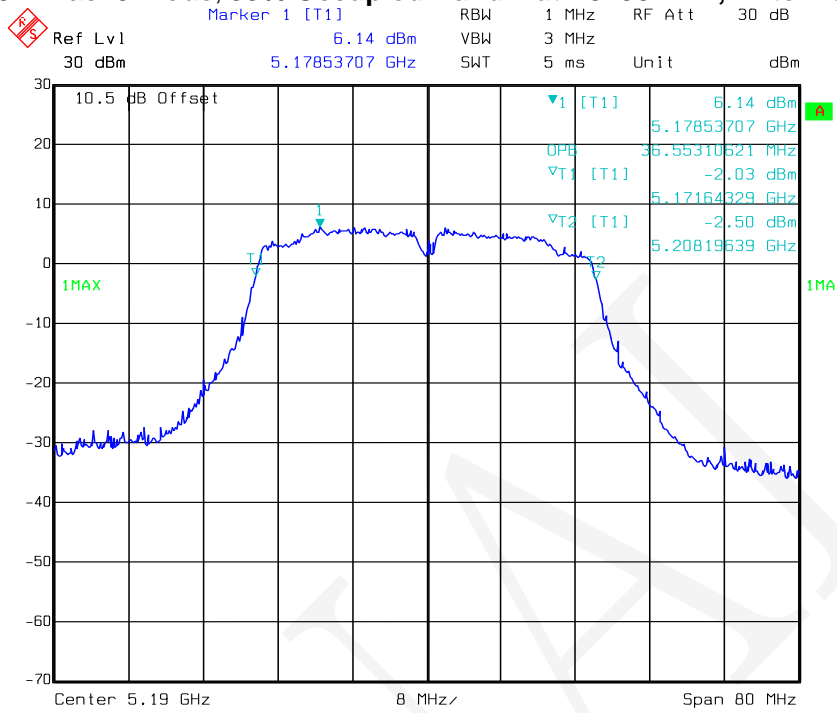
Date: 03.APR.2018 10:46:38

802.11ac20 mode, 99% Occupied Bandwidth-5240 MHz, Antenna 2



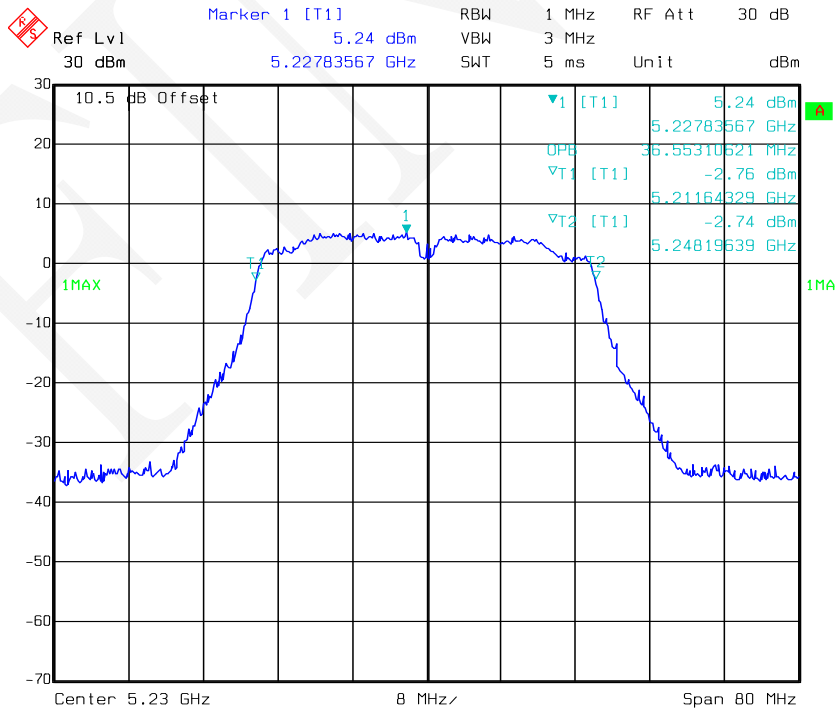
Date: 03.APR.2018 10:49:54

802.11ac40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 1



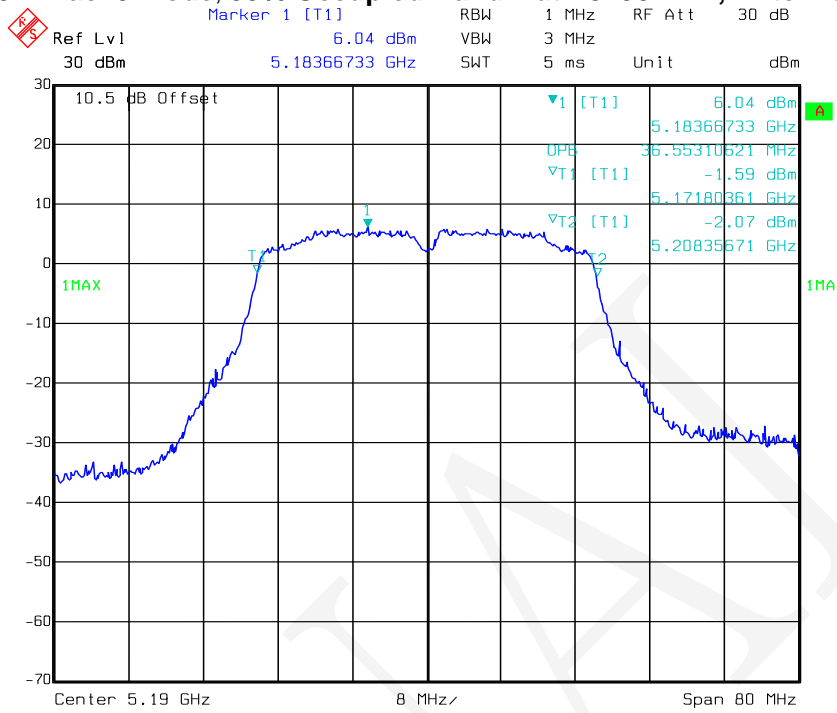
Date: 03.APR.2018 14:07:38

802.11ac40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 1



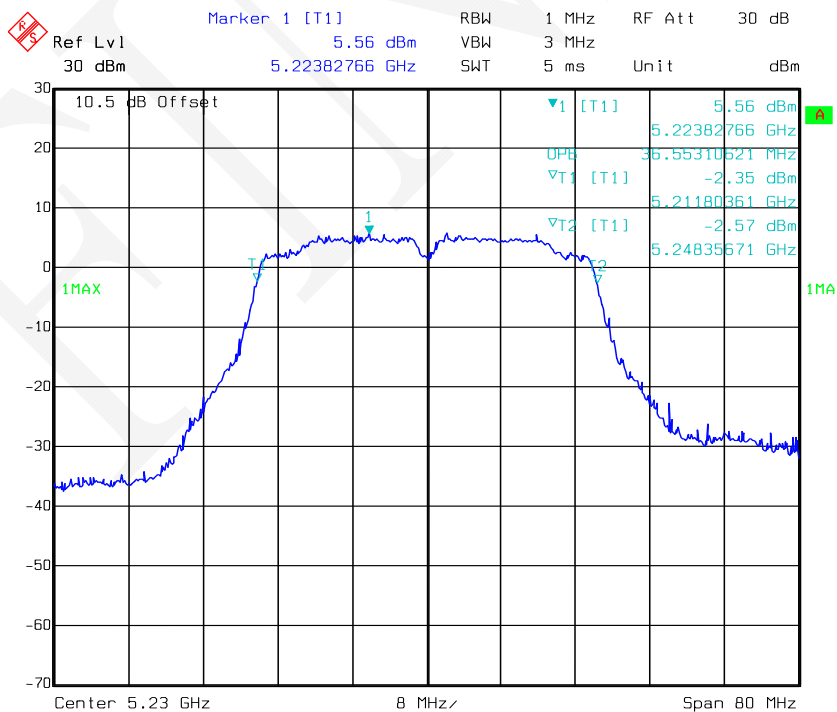
Date: 03.APR.2018 14:09:05

802.11ac40 mode, 99% Occupied Bandwidth-5190 MHz, Antenna 2



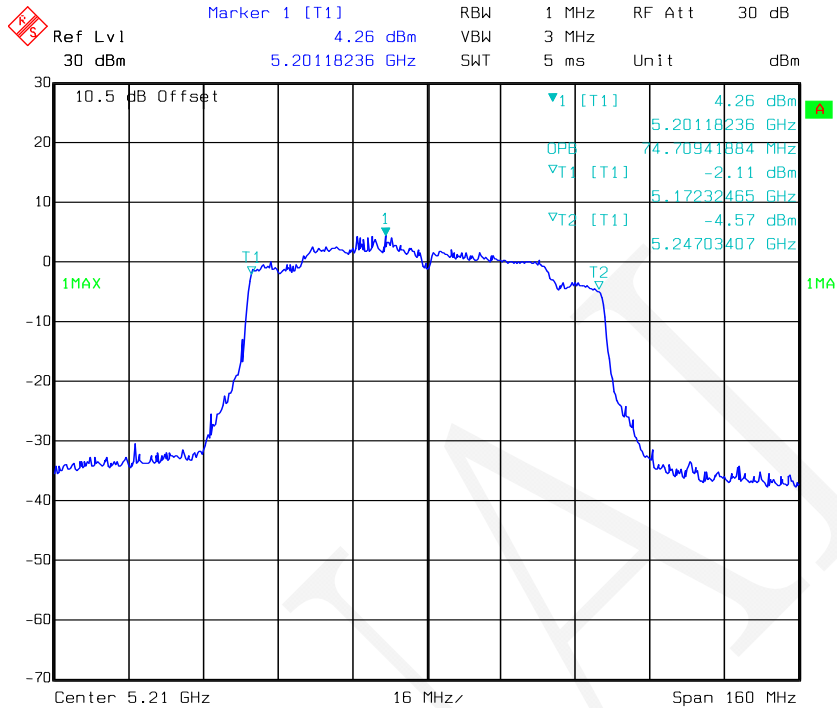
Date: 03.APR.2018 11:04:24

802.11ac40 mode, 99% Occupied Bandwidth-5230 MHz, Antenna 2

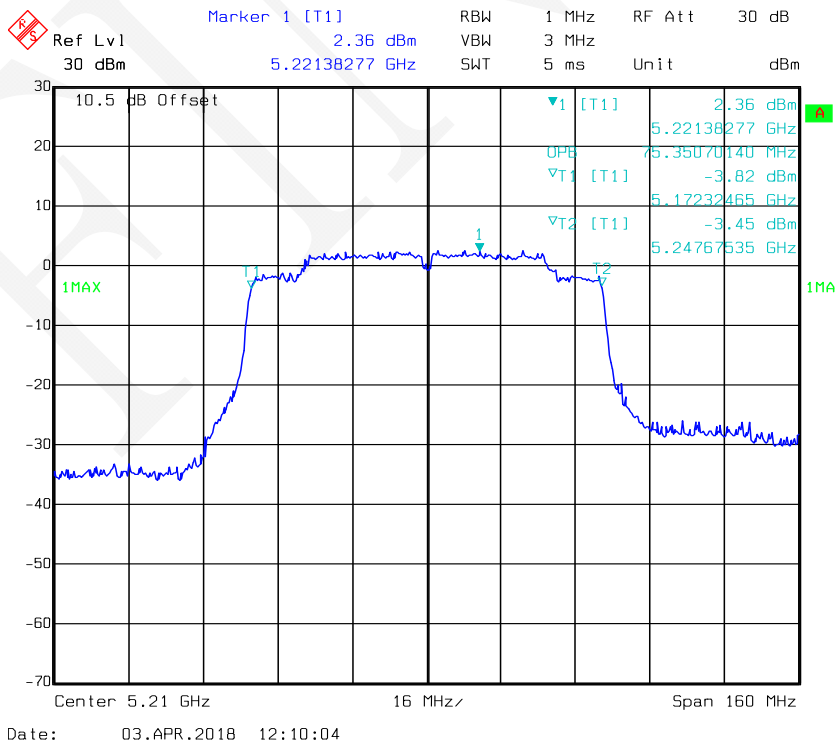


Date: 03.APR.2018 11:00:20

802.11ac80 mode, 99% Occupied Bandwidth-5210 MHz, Antenna 1



802.11ac80 mode, 99% Occupied Bandwidth-5210 MHz, Antenna 2

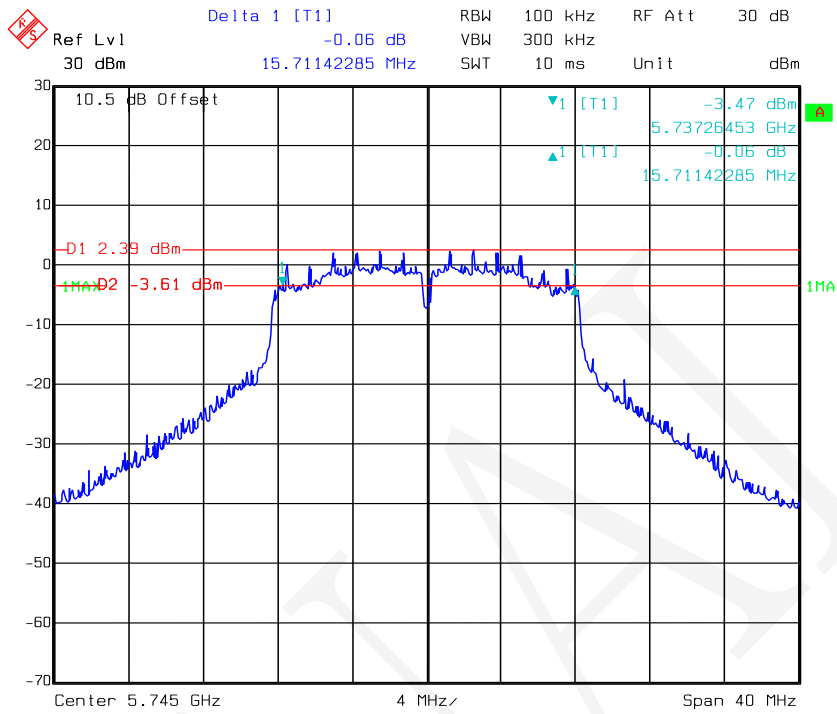


For 5725-5850 MHz:

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
			Antenna 1	Antenna 2	Antenna 1	Antenna 2
802.11a	Low	5745	15.71	15.39	16.99	16.99
	Middle	5785	15.39	15.79	16.99	17.15
	High	5825	15.31	15.47	16.91	17.15
802.11n-HT20	Low	5745	15.39	15.39	18.04	18.20
	Middle	5785	15.39	15.23	18.12	18.20
	High	5825	15.23	15.39	18.04	18.20
802.11n-HT40	Low	5755	35.43	35.43	36.71	36.71
	High	5795	34.95	35.11	36.87	36.87
802.11ac20	Low	5745	15.39	17.15	18.12	18.12
	Middle	5785	15.39	15.39	18.12	18.20
	High	5825	15.55	15.39	18.20	18.12
802.11ac40	Low	5755	35.27	35.43	36.71	36.71
	High	5795	35.27	35.59	36.71	36.71
802.11ac80	-	5775	72.46	72.46	75.35	75.35

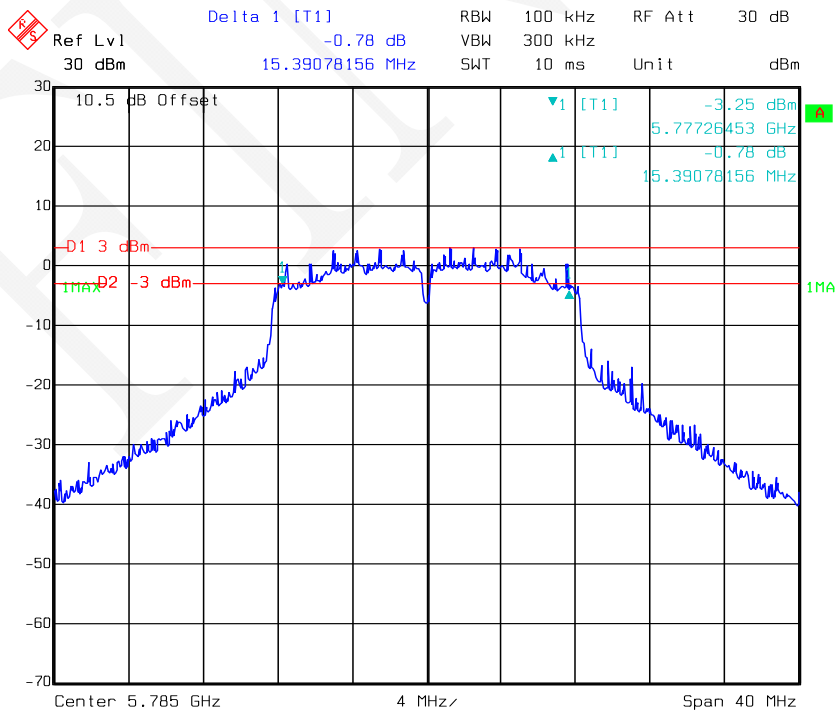
Note: the 99% Occupied Bandwidth doesn't extend U-NII-2C band 5470-5725MHz.

802.11a mode, 6 dB Bandwidth-5745 MHz, Antenna 1



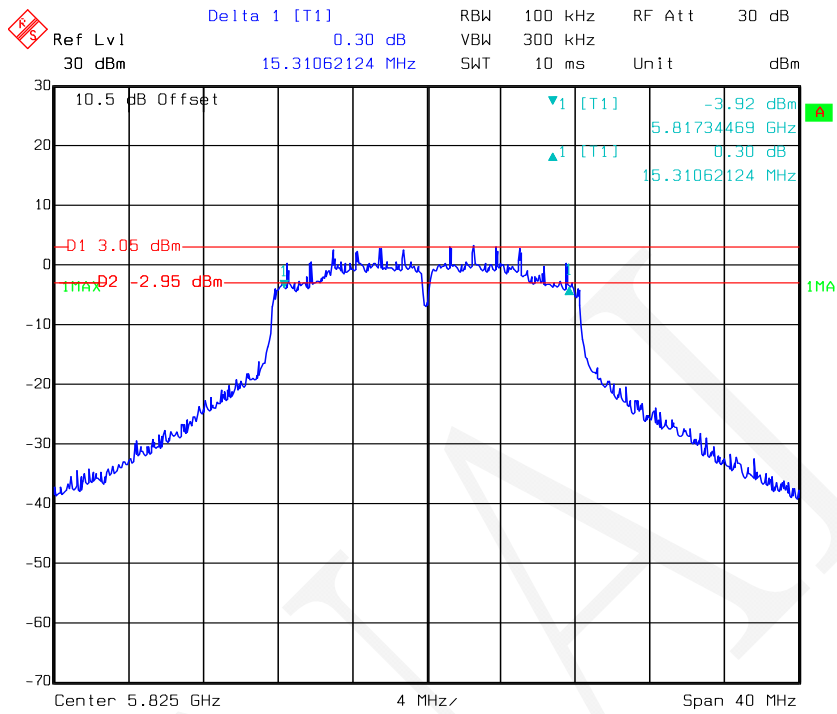
Date: 03.APR.2018 19:05:56

802.11a mode, 6 dB Bandwidth-5785 MHz, Antenna 1



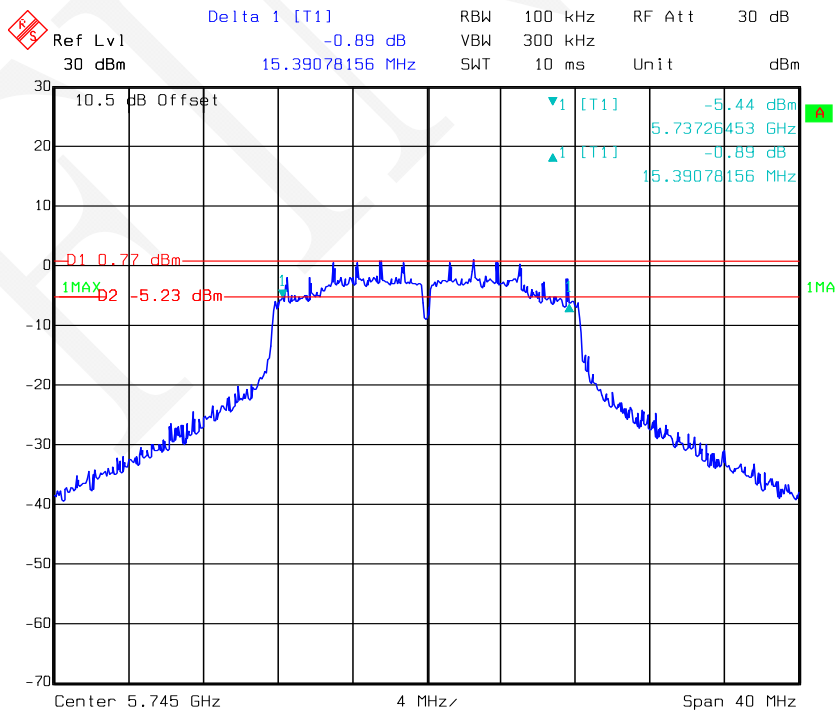
Date: 03.APR.2018 19:08:17

802.11a mode, 6 dB Bandwidth-5825 MHz, Antenna 1



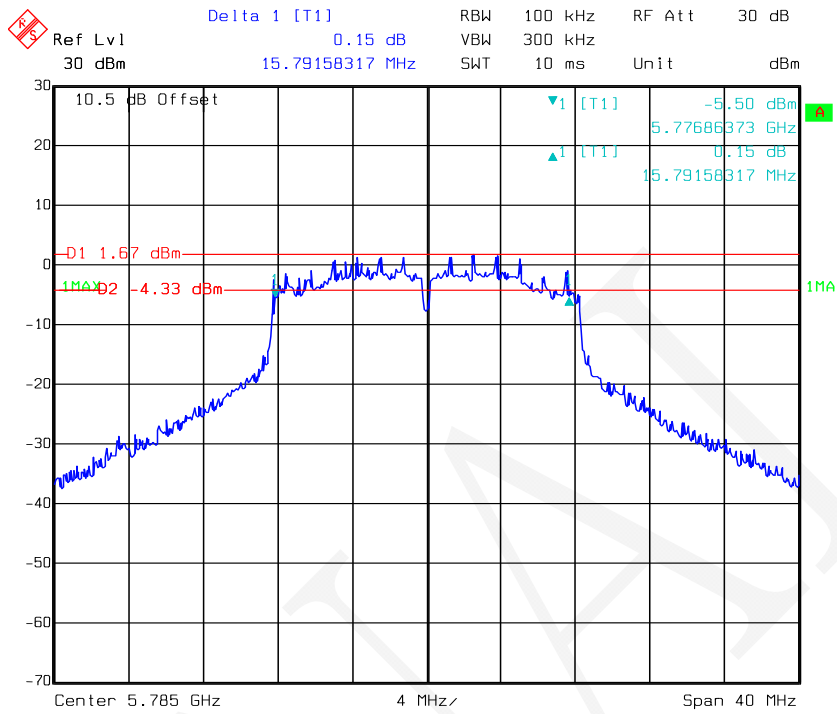
Date: 03.APR.2018 19:09:23

802.11a mode, 6 dB Bandwidth-5745 MHz, Antenna 2



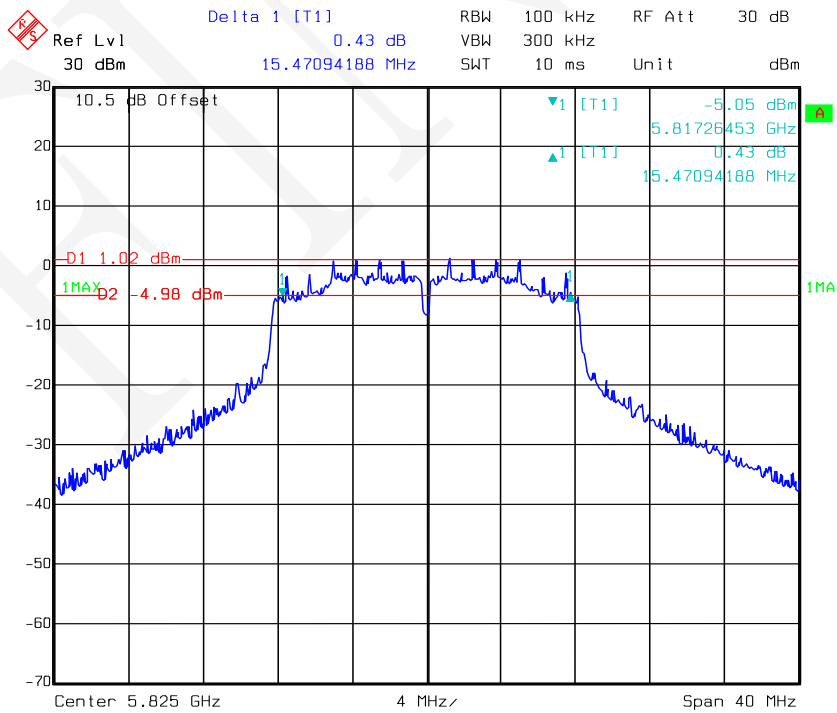
Date: 03.APR.2018 16:11:51

802.11a mode, 6 dB Bandwidth-5785 MHz, Antenna 2



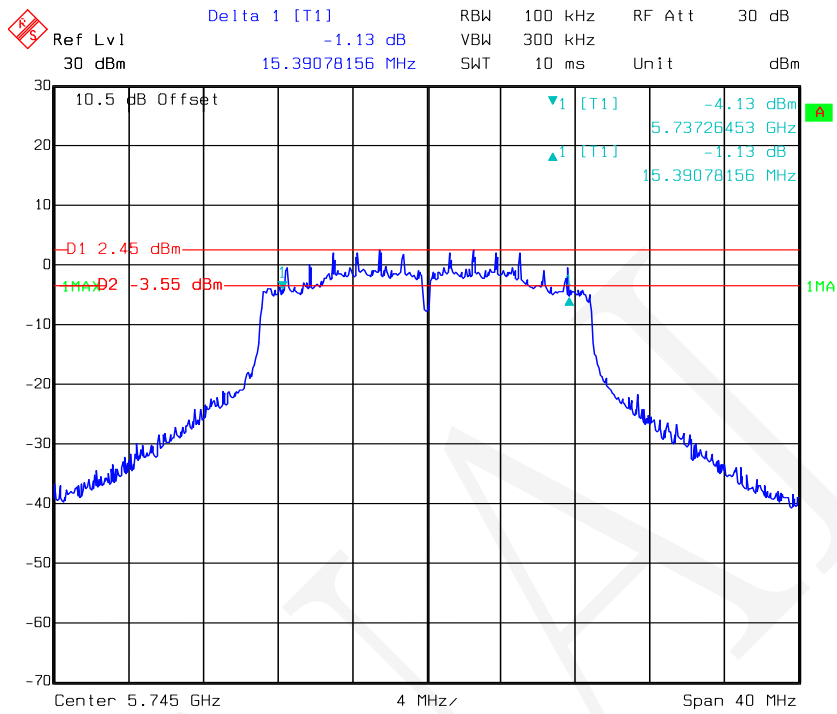
Date: 03.APR.2018 16:20:58

802.11a mode, 6 dB Bandwidth-5825 MHz, Antenna 2



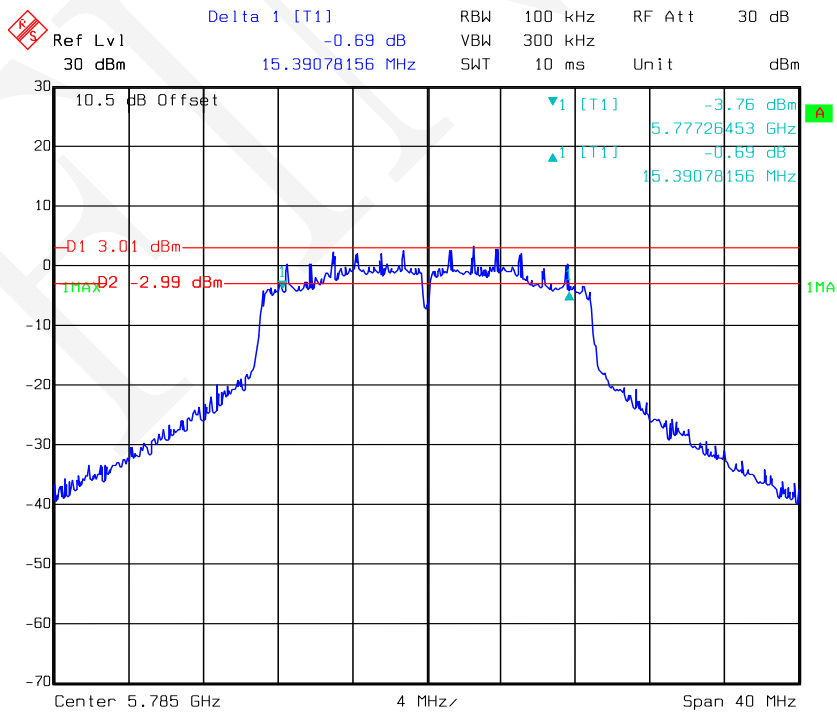
Date: 03.APR.2018 16:25:34

802.11n-HT20 mode, 6 dB Bandwidth-5745 MHz, Antenna 1



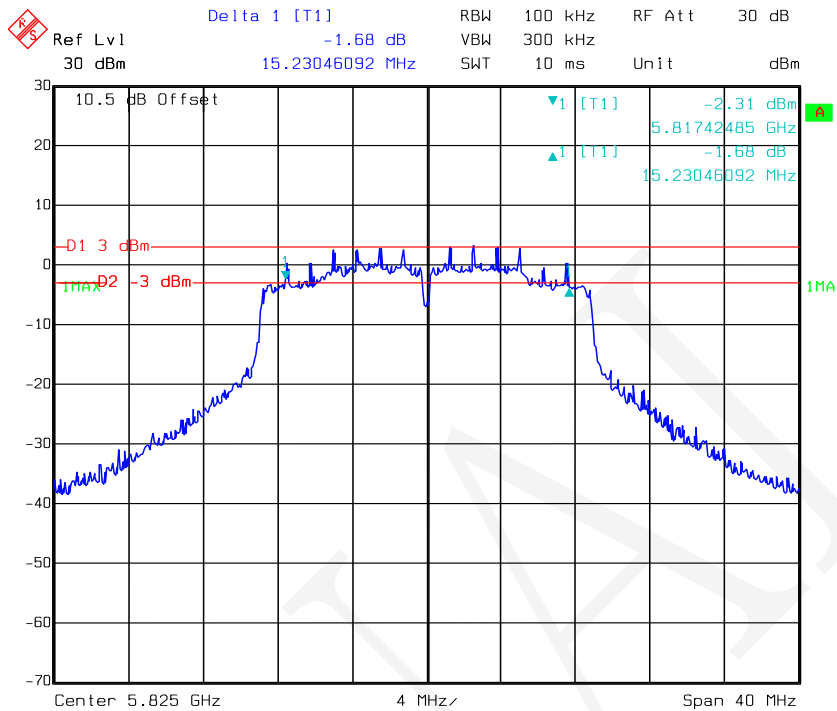
Date: 03.APR.2018 19:14:40

802.11n-HT20 mode, 6 dB Bandwidth-5785 MHz, Antenna 1



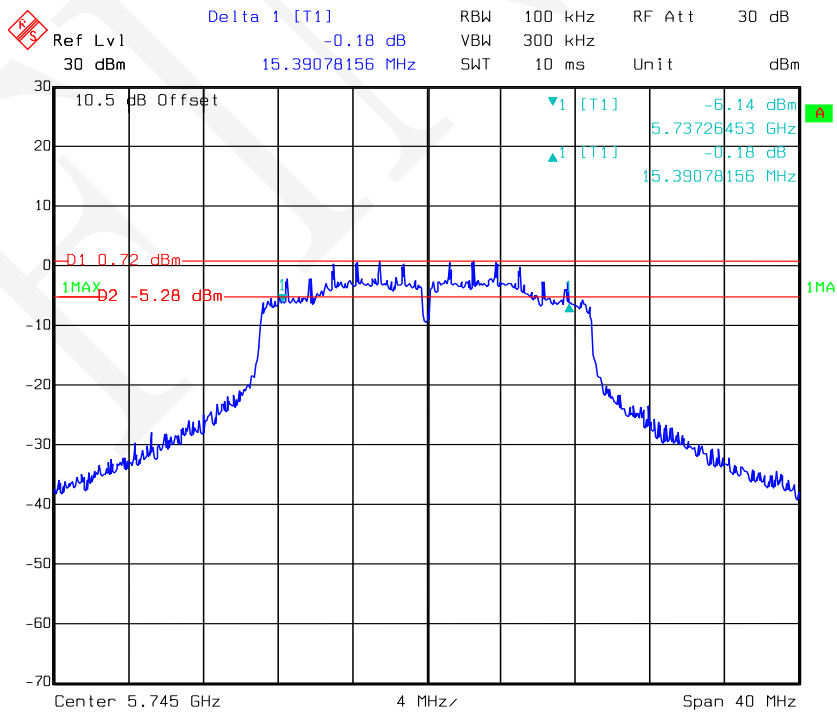
Date: 03.APR.2018 19:13:30

802.11n-HT20 mode, 6 dB Bandwidth-5825 MHz, Antenna 1



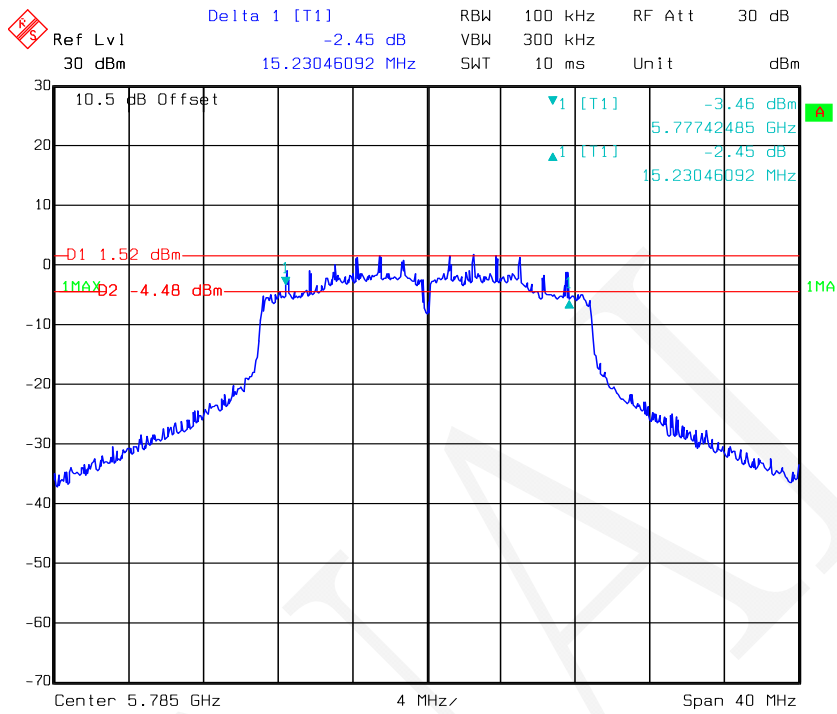
Date: 03.APR.2018 19:11:40

802.11n-HT20 mode, 6 dB Bandwidth-5745 MHz, Antenna 2



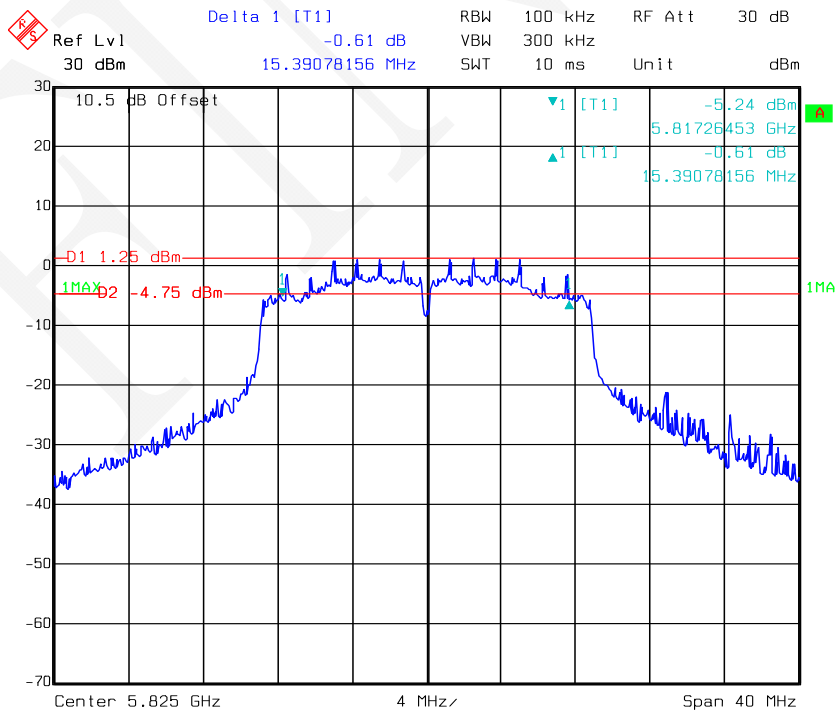
Date: 03.APR.2018 16:28:41

802.11n-HT20 mode, 6 dB Bandwidth-5785 MHz, Antenna 2



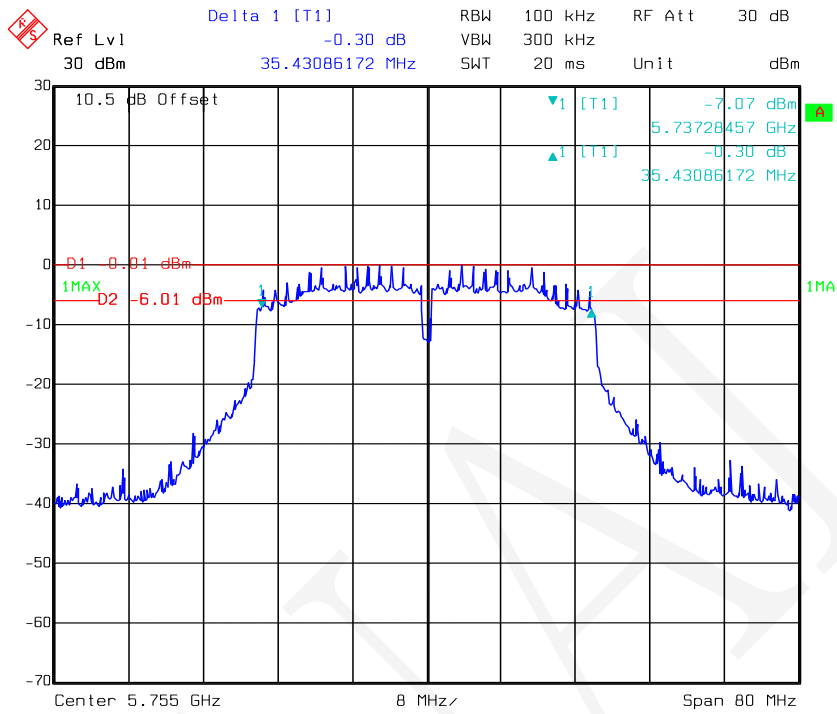
Date: 03.APR.2018 16:32:23

802.11n-HT20 mode, 6 dB Bandwidth-5825 MHz, Antenna 2



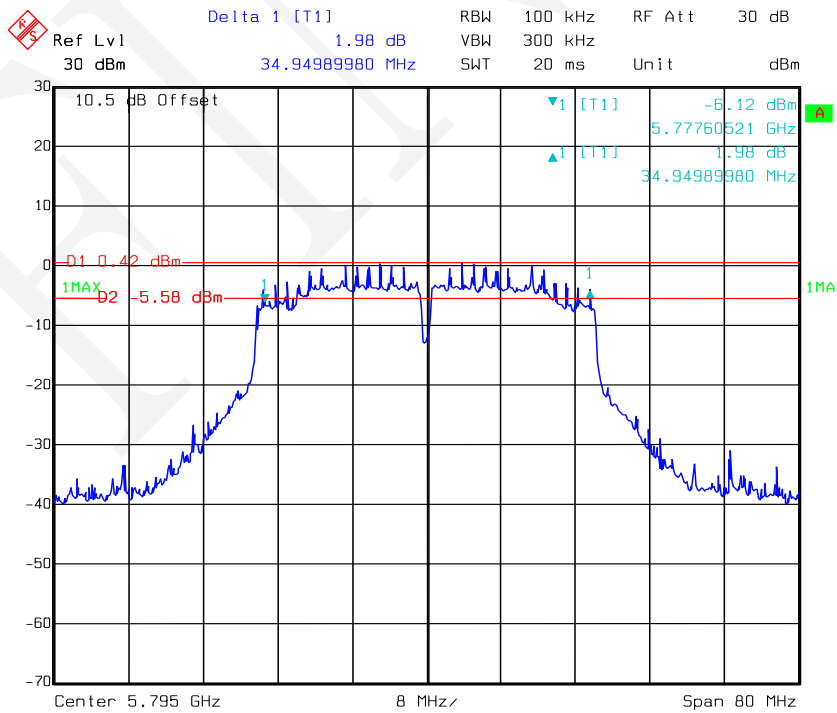
Date: 03.APR.2018 16:33:37

802.11n-HT40 mode, 6 dB Bandwidth-5755 MHz, Antenna 1



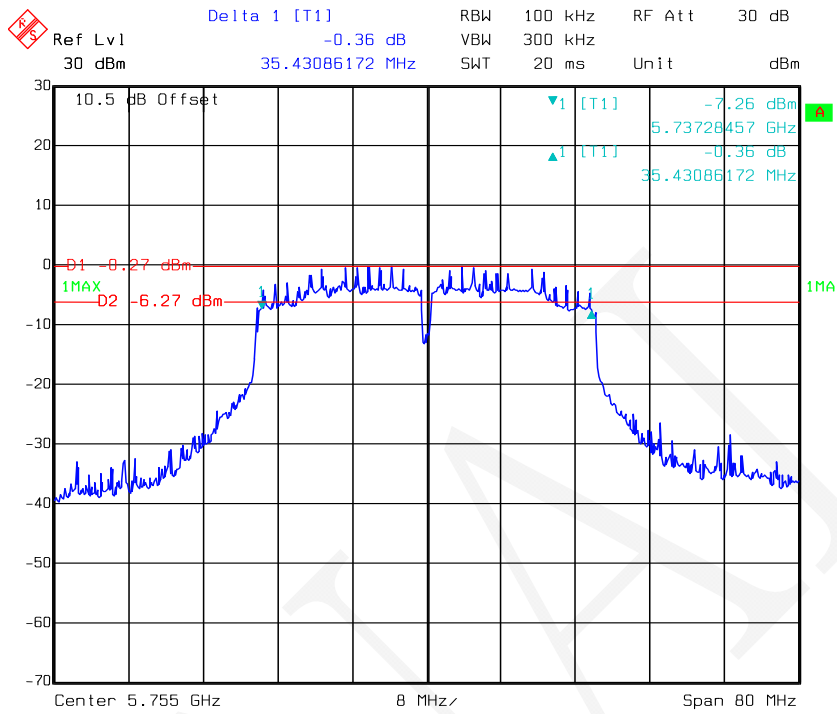
Date: 03.APR.2018 19:27:11

802.11n-HT40 mode, 6 dB Bandwidth-5795 MHz, Antenna 1



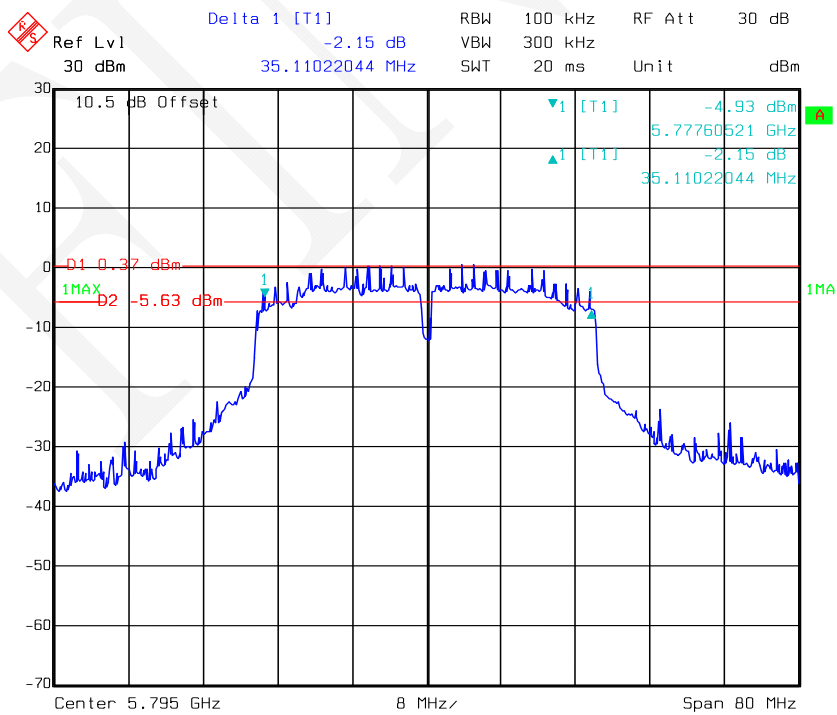
Date: 03.APR.2018 19:25:29

802.11n-HT40 mode, 6 dB Bandwidth-5755 MHz, Antenna 2



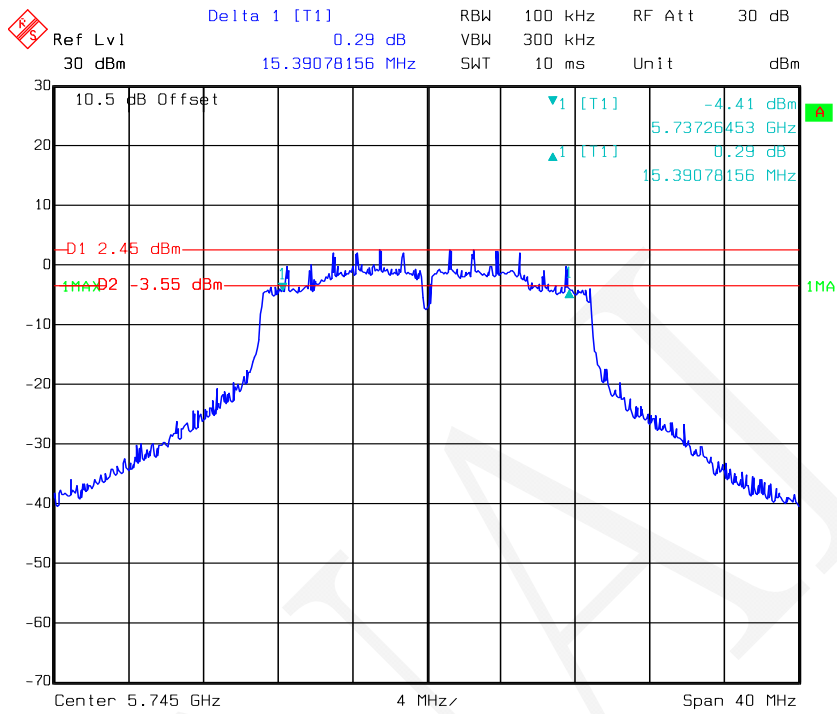
Date: 03.APR.2018 18:08:31

802.11n-HT40 mode, 6 dB Bandwidth-5795 MHz, Antenna 2



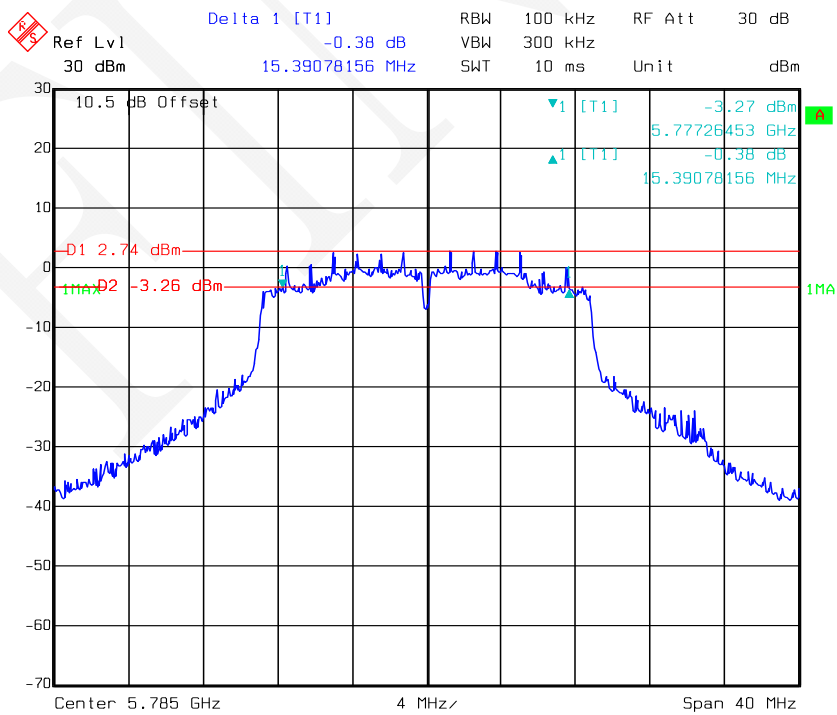
Date: 03.APR.2018 18:10:07

802.11ac20 mode, 6 dB Bandwidth-5745 MHz, Antenna 1



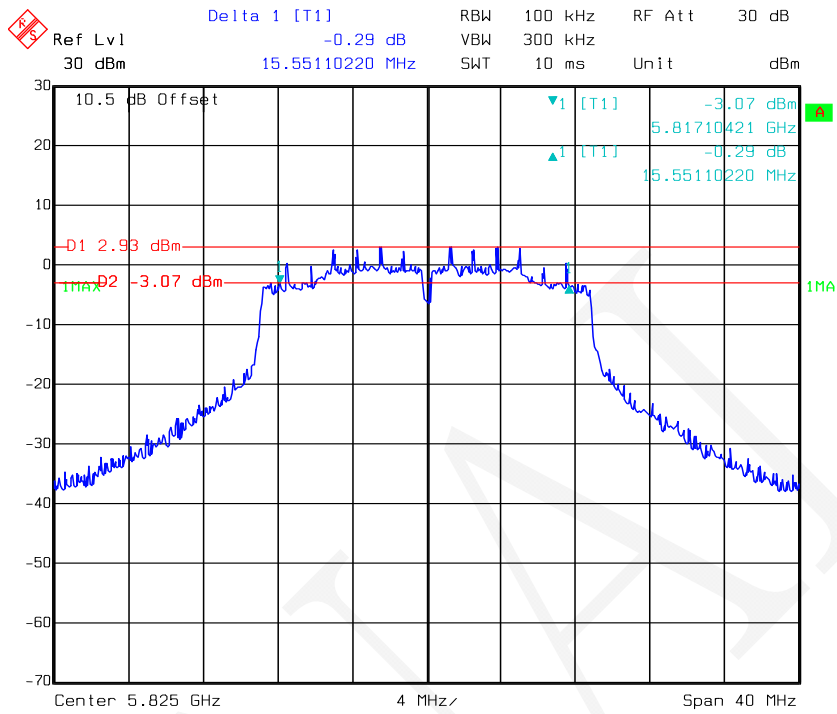
Date: 03.APR.2018 19:16:31

802.11ac20 mode, 6 dB Bandwidth-5785 MHz, Antenna 1



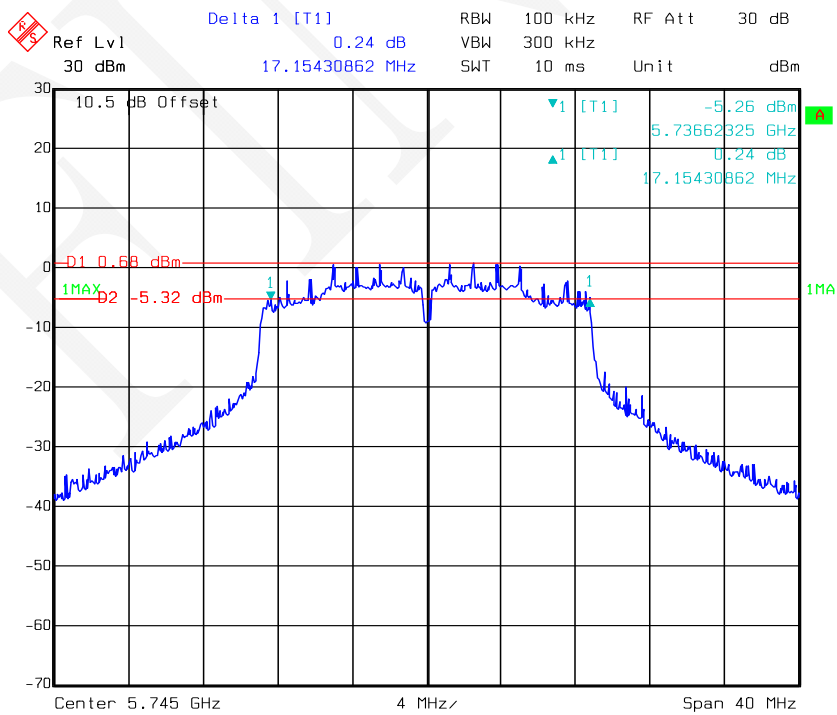
Date: 03.APR.2018 19:18:39

802.11ac20 mode, 6 dB Bandwidth-5825 MHz, Antenna 1



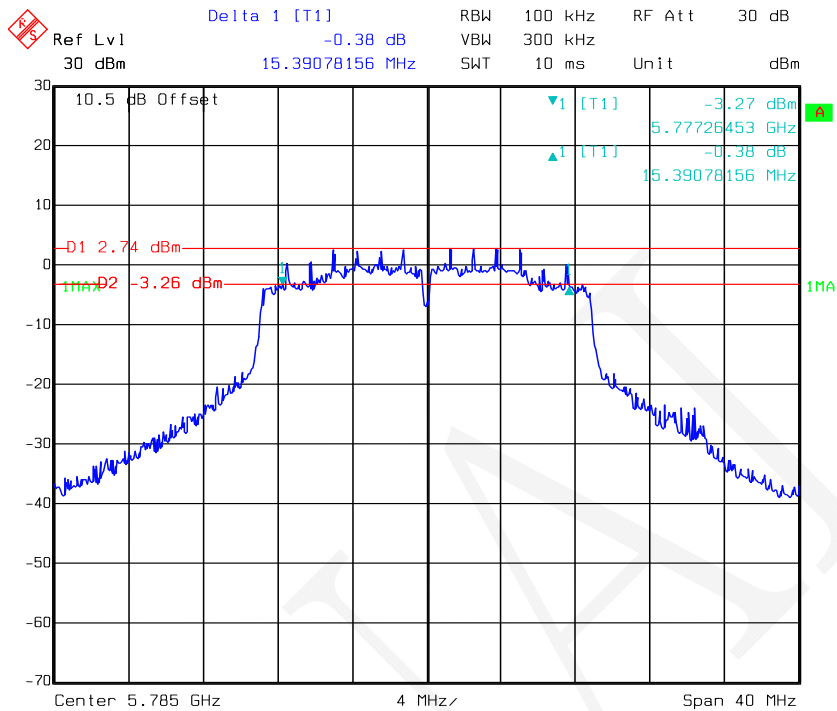
Date: 03.APR.2018 19:19:48

802.11ac20 mode, 6 dB Bandwidth-5745 MHz, Antenna 2



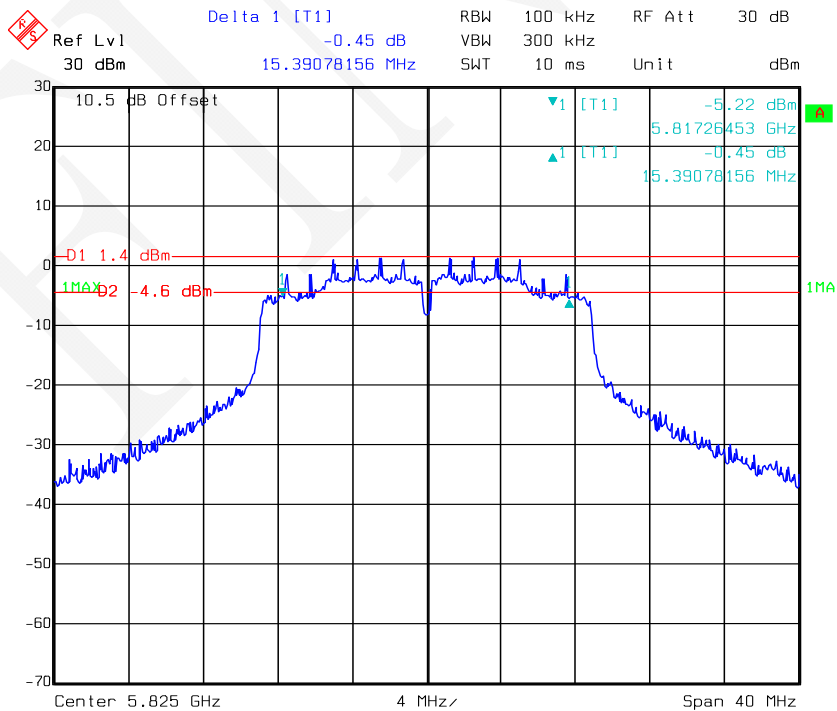
Date: 03.APR.2018 16:36:21

802.11ac20 mode, 6 dB Bandwidth-5785 MHz, Antenna 2



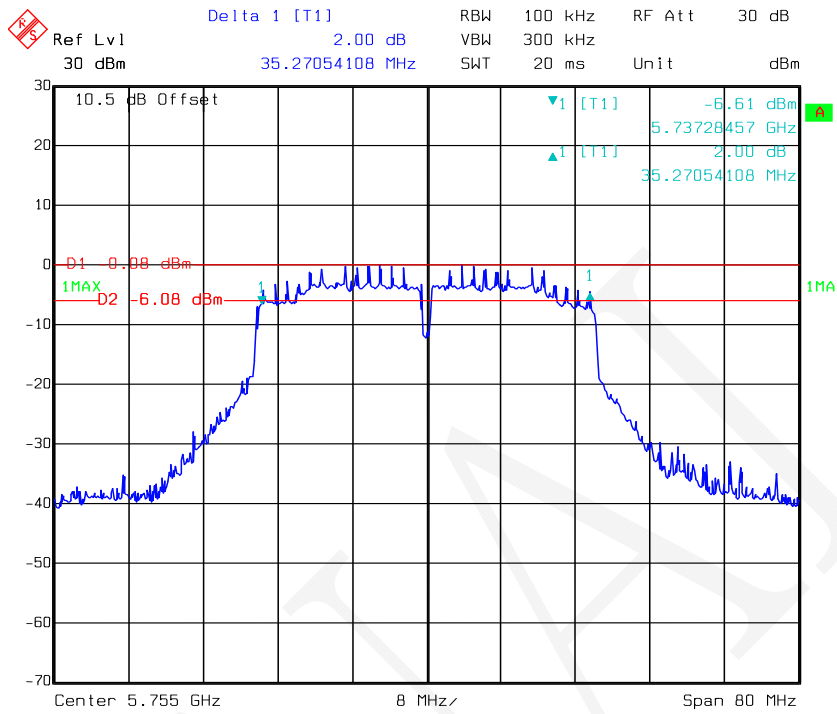
Date: 03.APR.2018 19:18:39

802.11ac20 mode, 6 dB Bandwidth-5825 MHz, Antenna 2



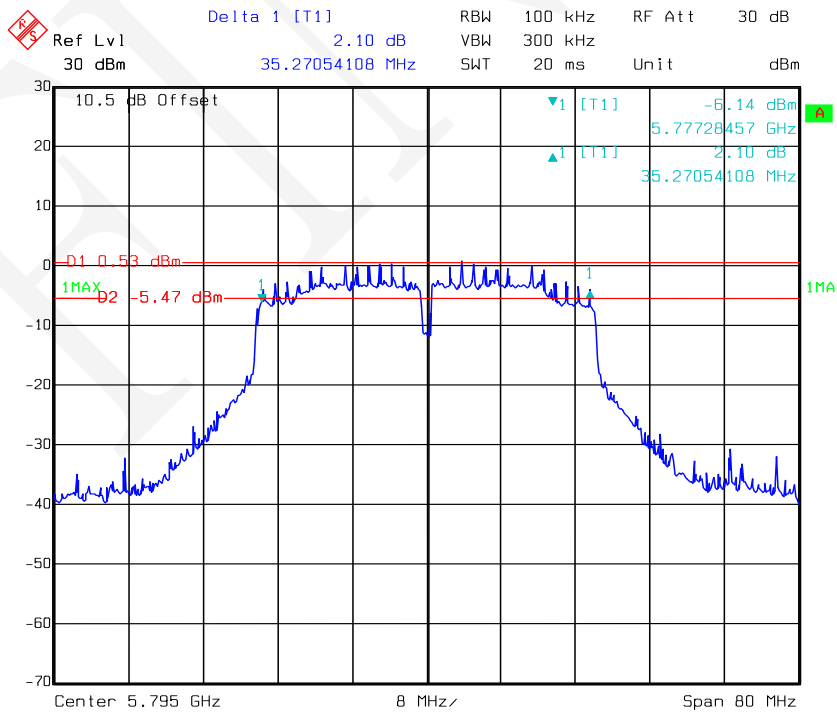
Date: 03.APR.2018 16:39:32

802.11ac40 mode, 6 dB Bandwidth-5755 MHz, Antenna 1



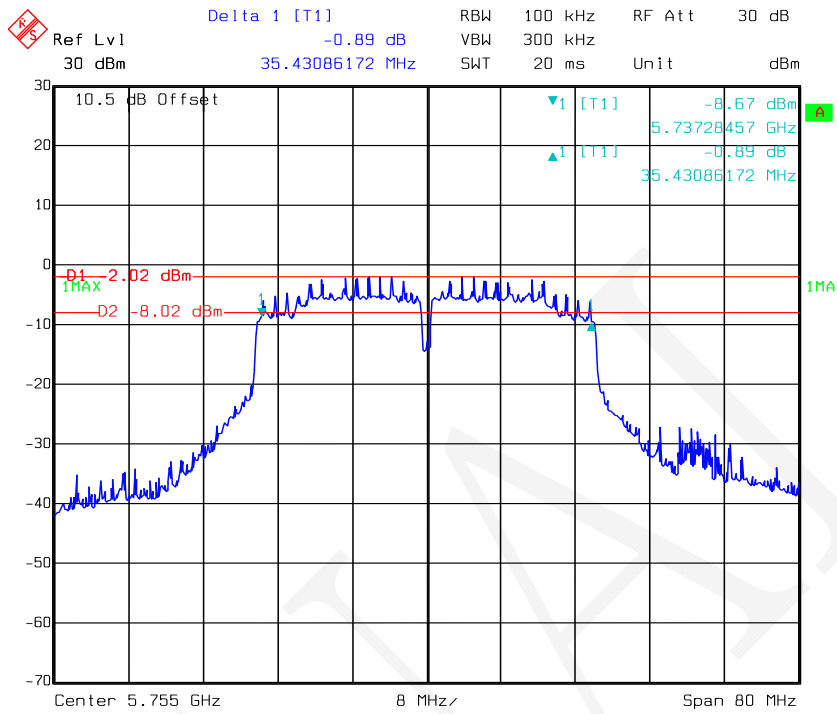
Date: 03.APR.2018 19:21:35

802.11ac40 mode, 6 dB Bandwidth-5795 MHz, Antenna 1



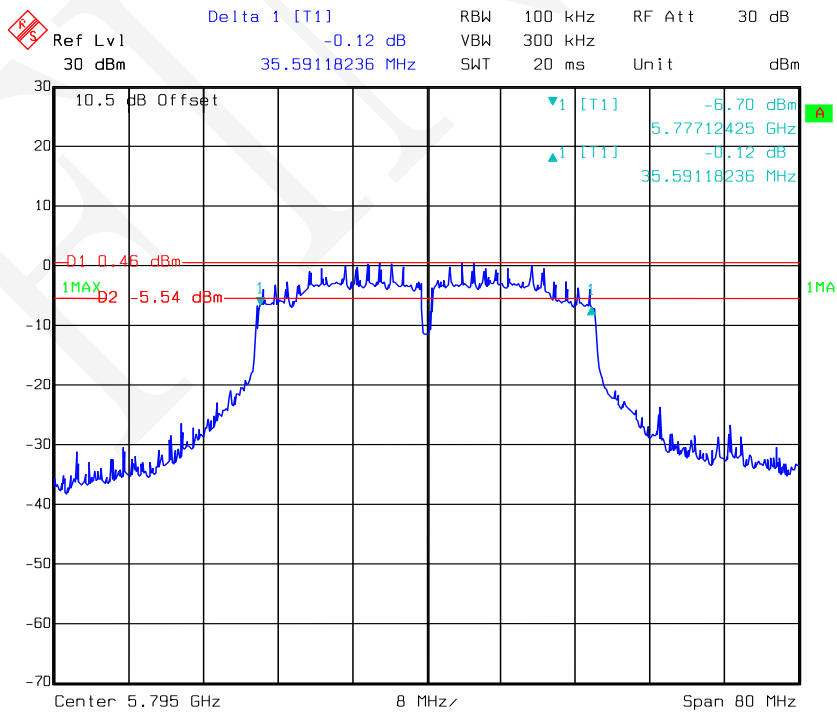
Date: 03.APR.2018 19:23:23

802.11ac40 mode, 6 dB Bandwidth-5755 MHz, Antenna 2



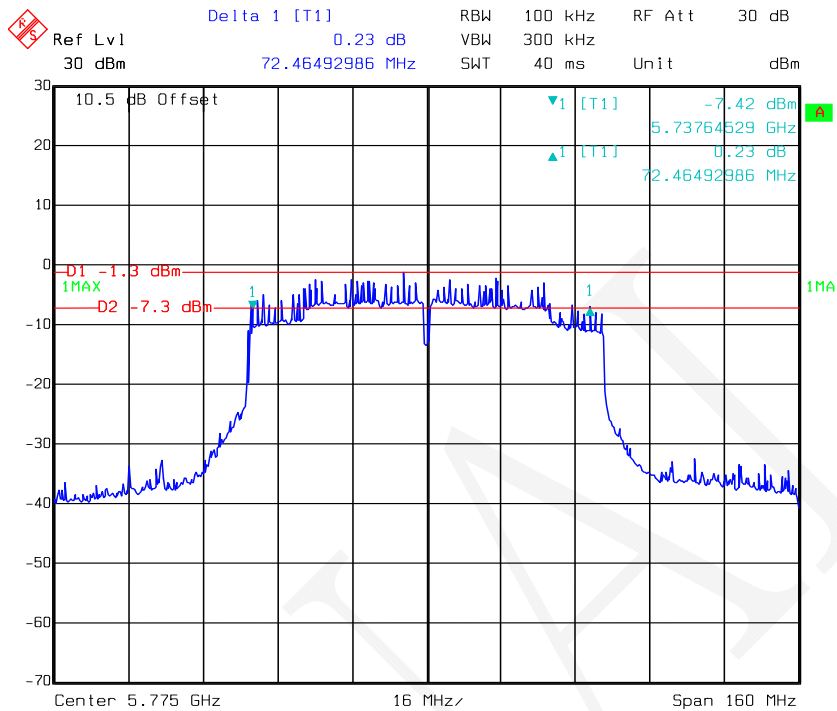
Date: 03.APR.2018 16:42:19

802.11ac40 mode, 6 dB Bandwidth-5795 MHz, Antenna 2



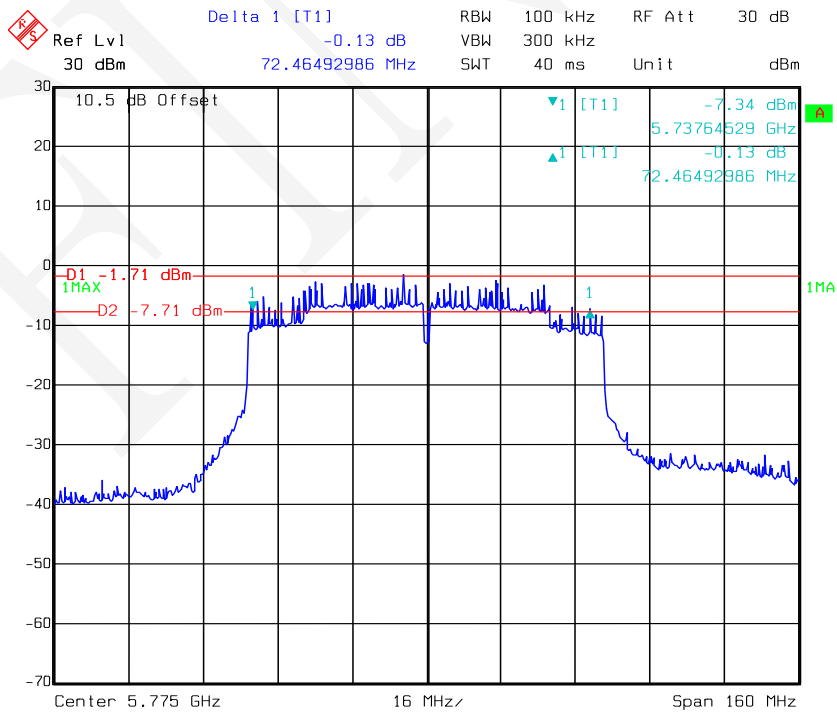
Date: 03.APR.2018 18:06:14

802.11ac80 mode, 6 dB Bandwidth-5775 MHz, Antenna 1



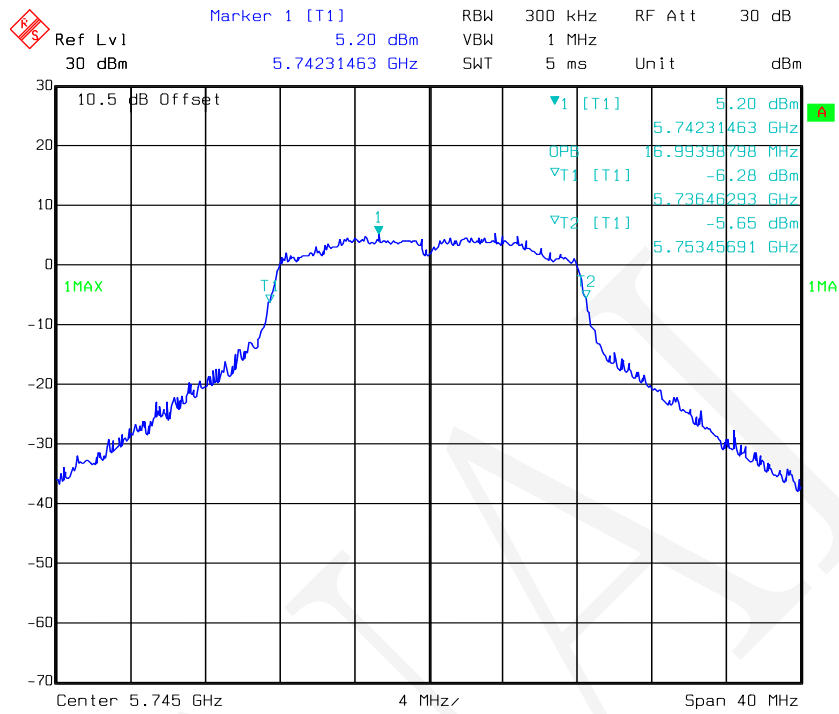
Date: 03.APR.2018 19:29:22

802.11ac80 mode, 6 dB Bandwidth-5775 MHz, Antenna 2



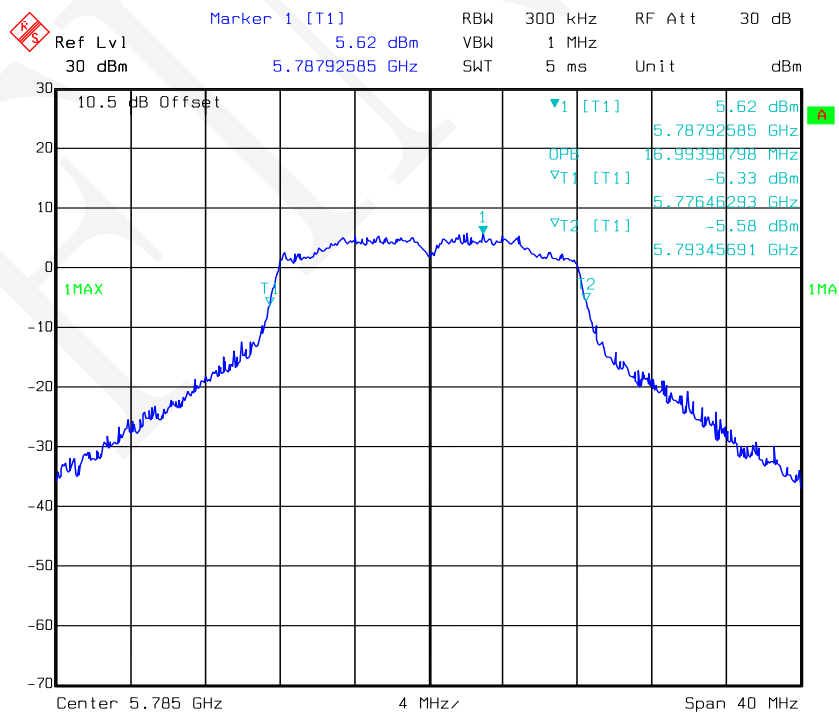
Date: 03.APR.2018 18:13:02

802.11a mode, 99% Occupied Bandwidth-5745 MHz, Antenna 1



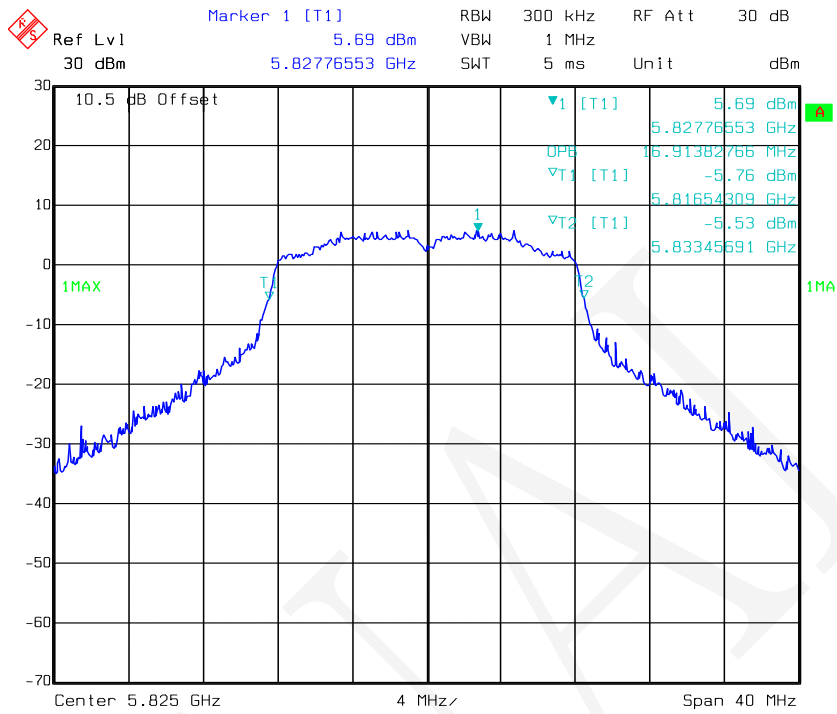
Date: 03.APR.2018 19:06:22

802.11a mode, 99% Occupied Bandwidth -5785 MHz, Antenna 1



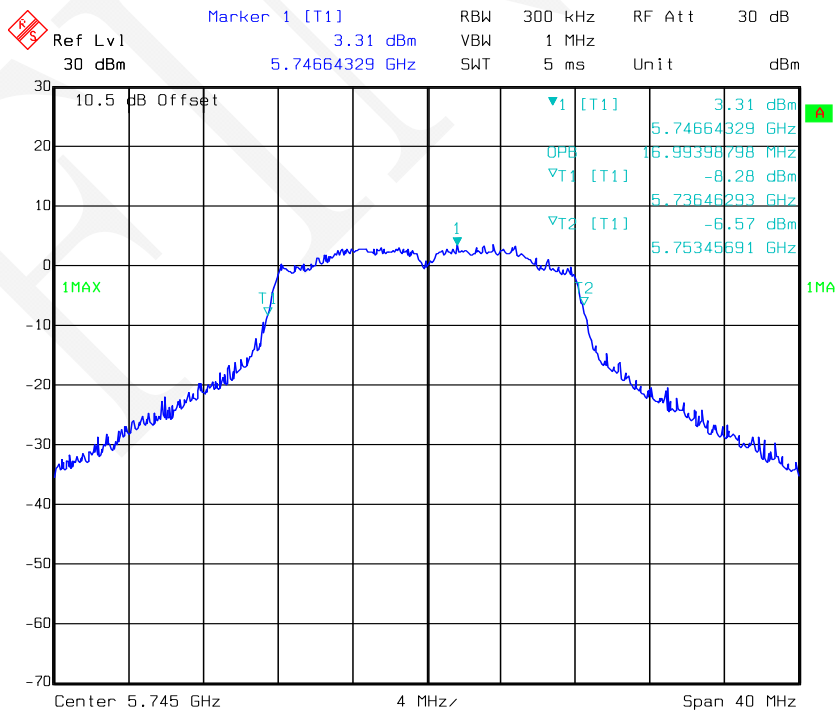
Date: 03.APR.2018 19:08:42

802.11a mode, 99% Occupied Bandwidth -5825 MHz, Antenna 1



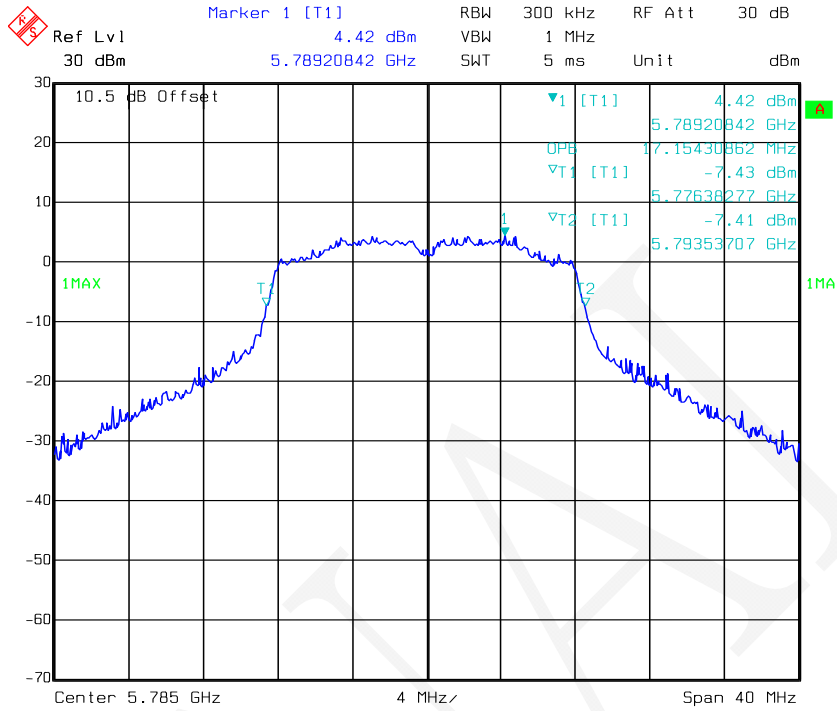
Date: 03.APR.2018 19:09:51

802.11a mode, 99% Occupied Bandwidth-5745 MHz, Antenna 2



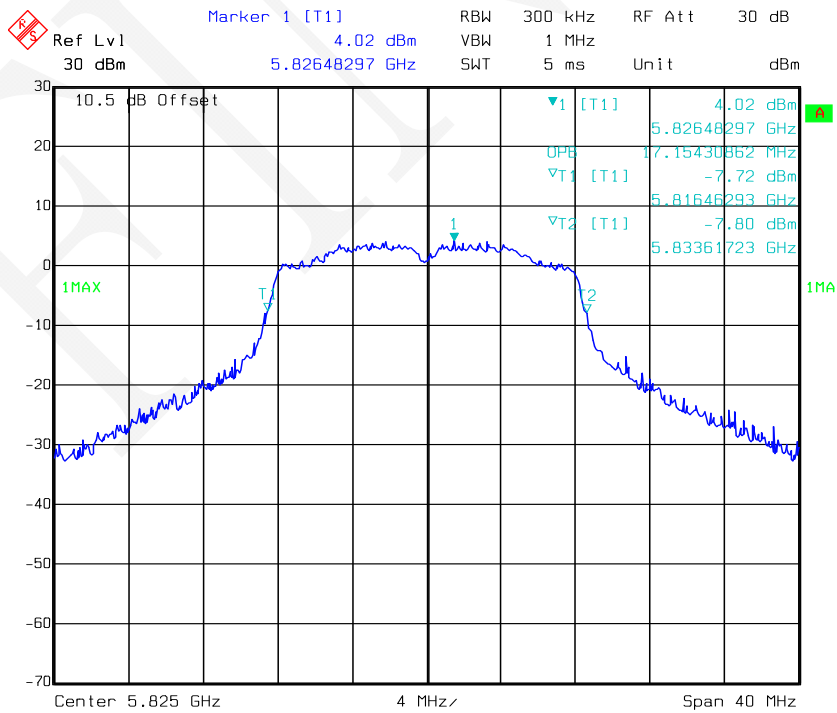
Date: 03.APR.2018 16:19:53

802.11a mode, 99% Occupied Bandwidth -5785 MHz, Antenna 2



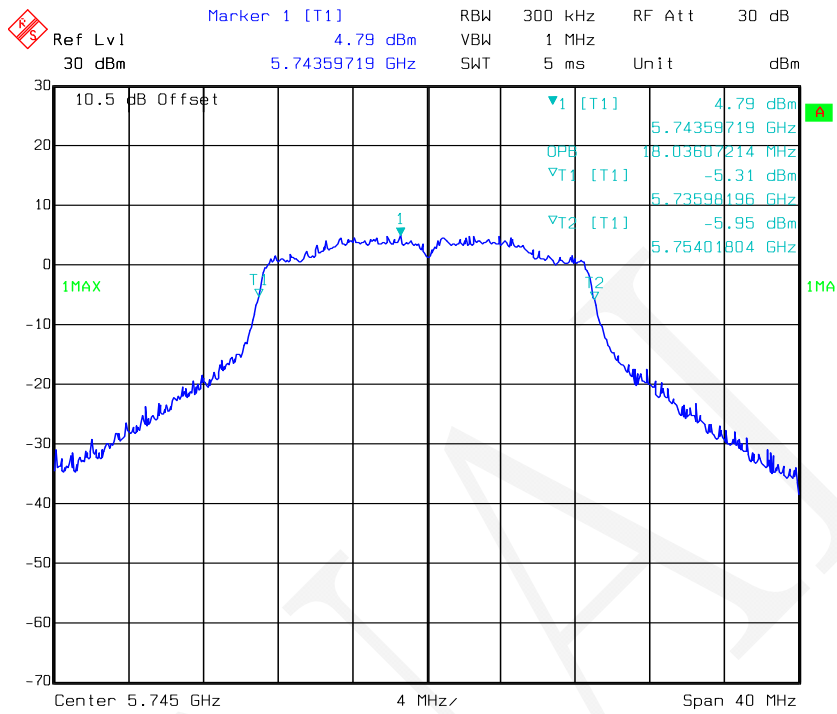
Date: 03.APR.2018 16:22:23

802.11a mode, 99% Occupied Bandwidth -5825 MHz, Antenna 2



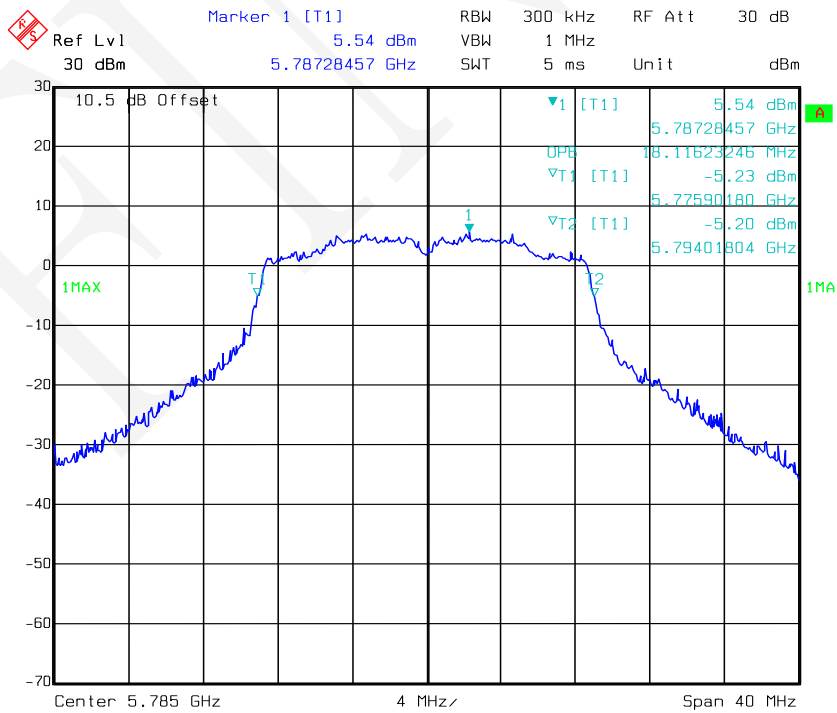
Date: 03.APR.2018 16:23:40

802.11n-HT20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 1



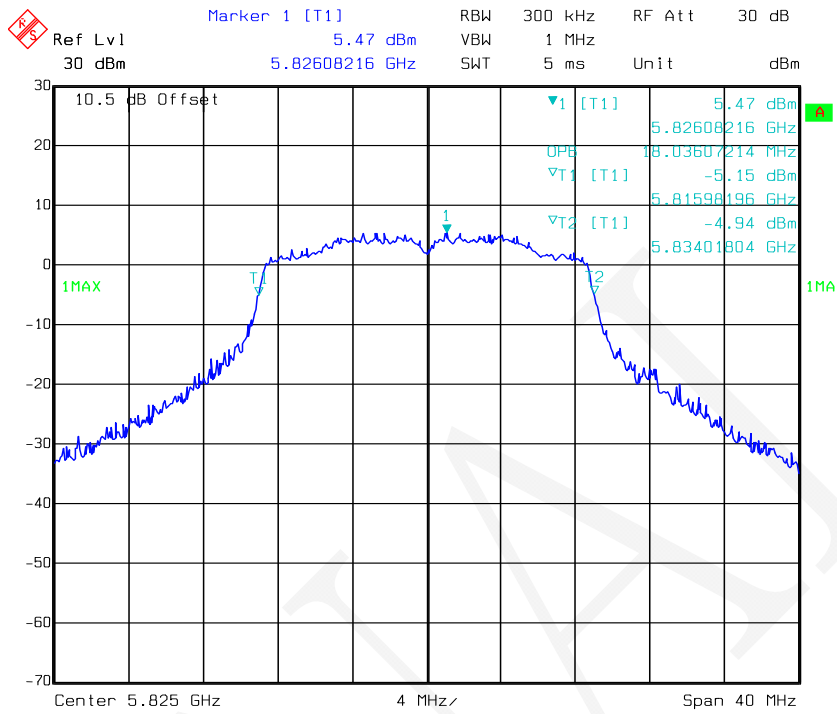
Date: 03.APR.2018 19:15:09

802.11n-HT20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 1



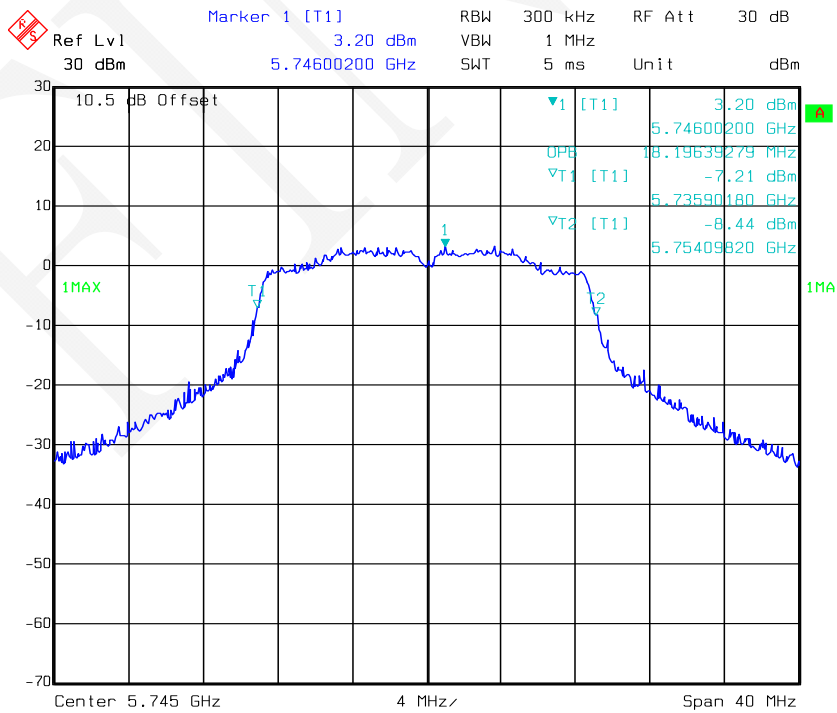
Date: 03.APR.2018 19:14:02

802.11n-HT20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 1



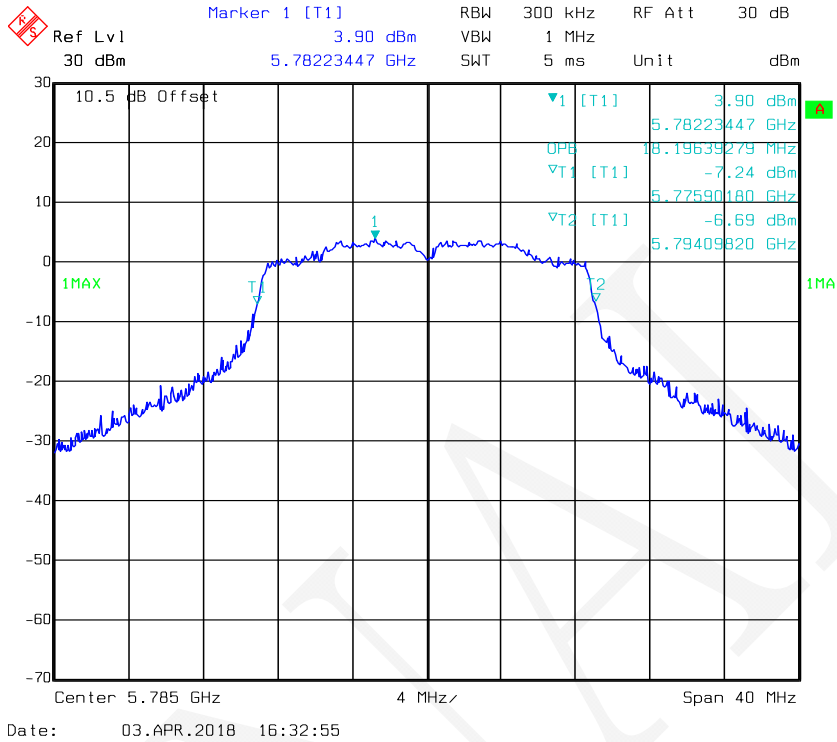
Date: 03.APR.2018 19:12:05

802.11n-HT20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 2

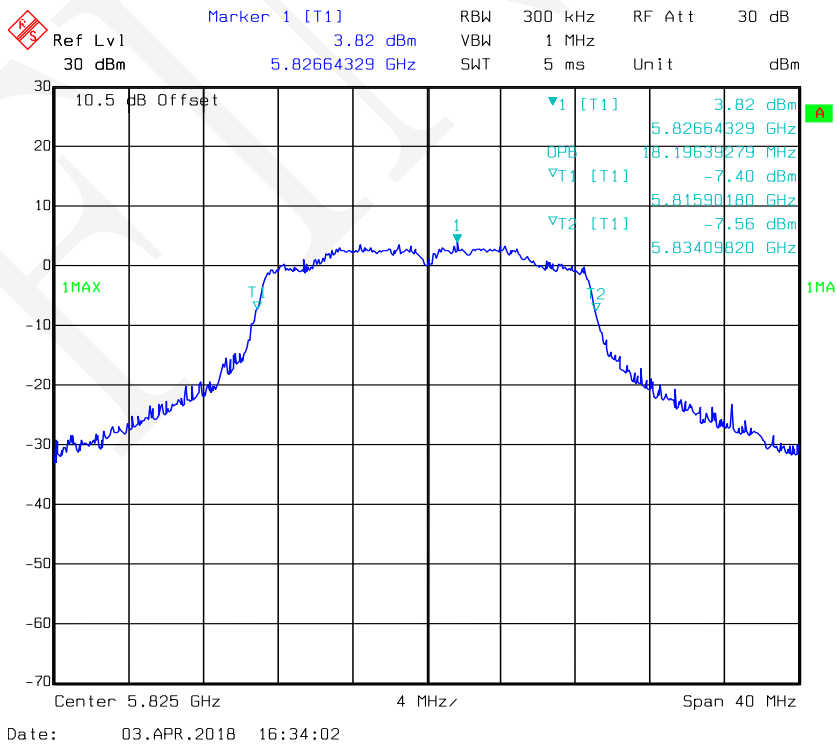


Date: 03.APR.2018 16:29:22

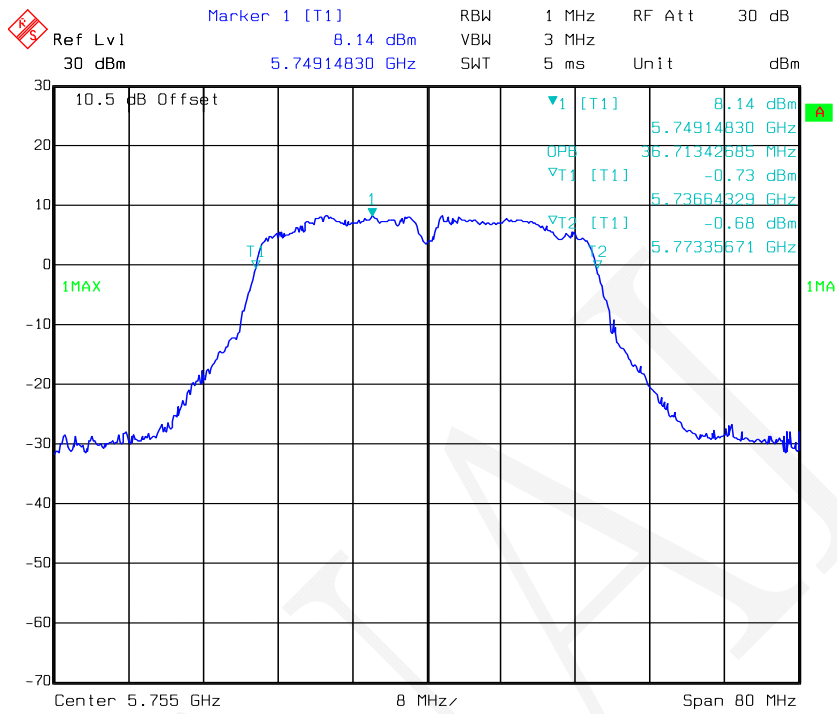
802.11n-HT20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 2



802.11n-HT20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 2

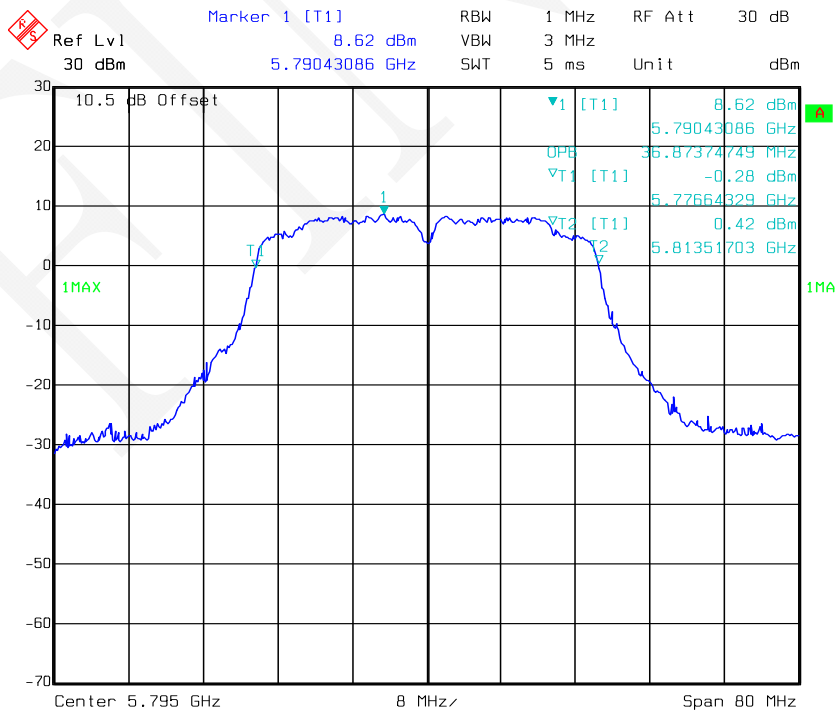


802.11n-HT40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 1



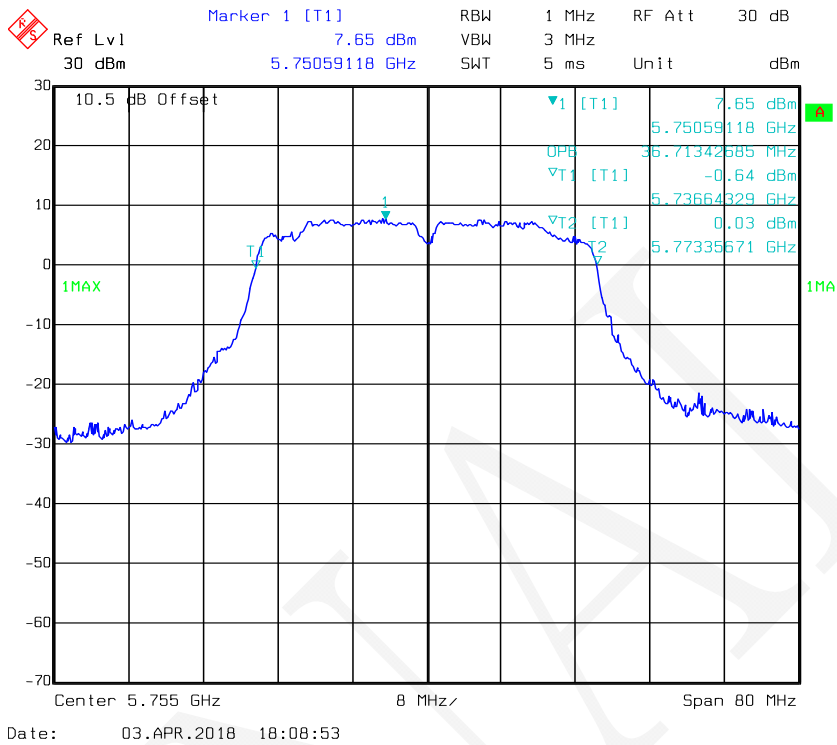
Date: 03.APR.2018 19:27:42

802.11n-HT40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 1

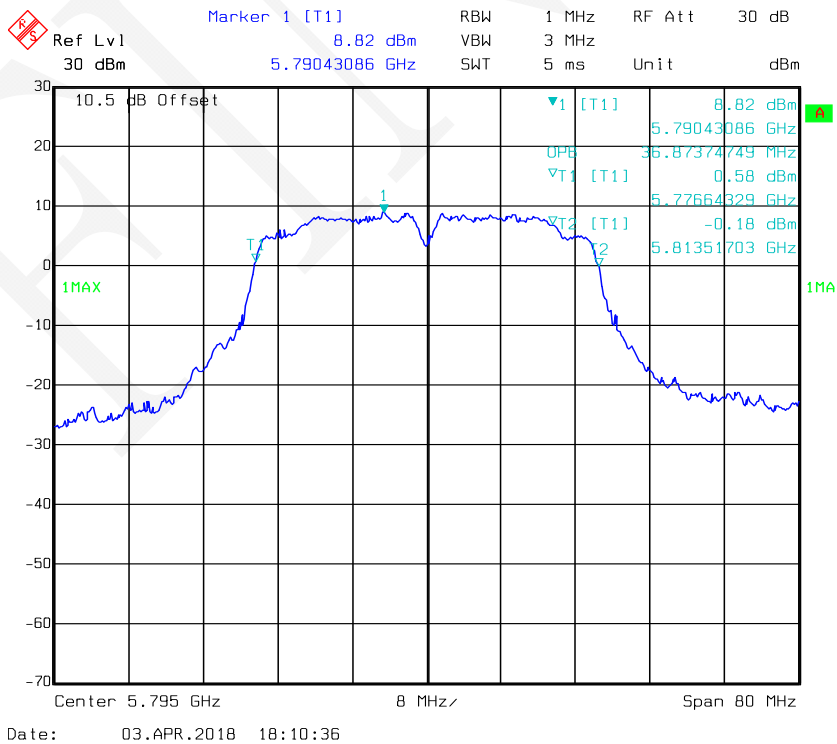


Date: 03.APR.2018 19:26:00

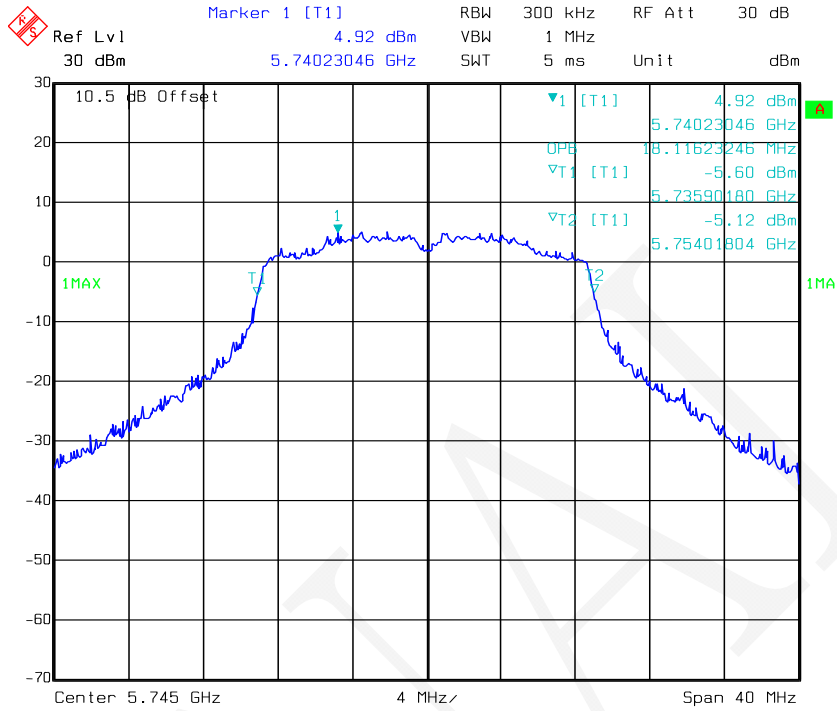
802.11n-HT40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 2



802.11n-HT40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 2

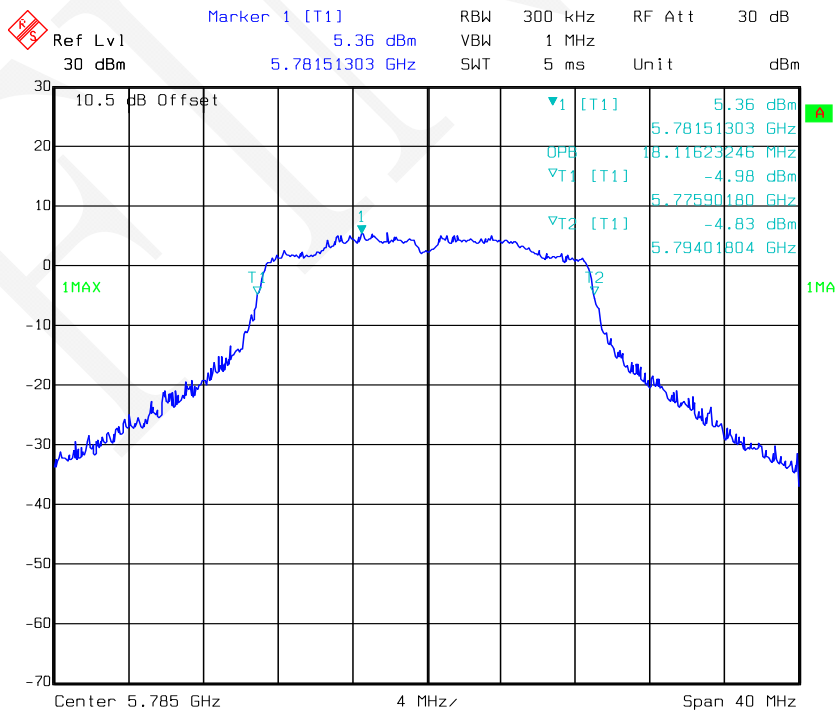


802.11ac20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 1



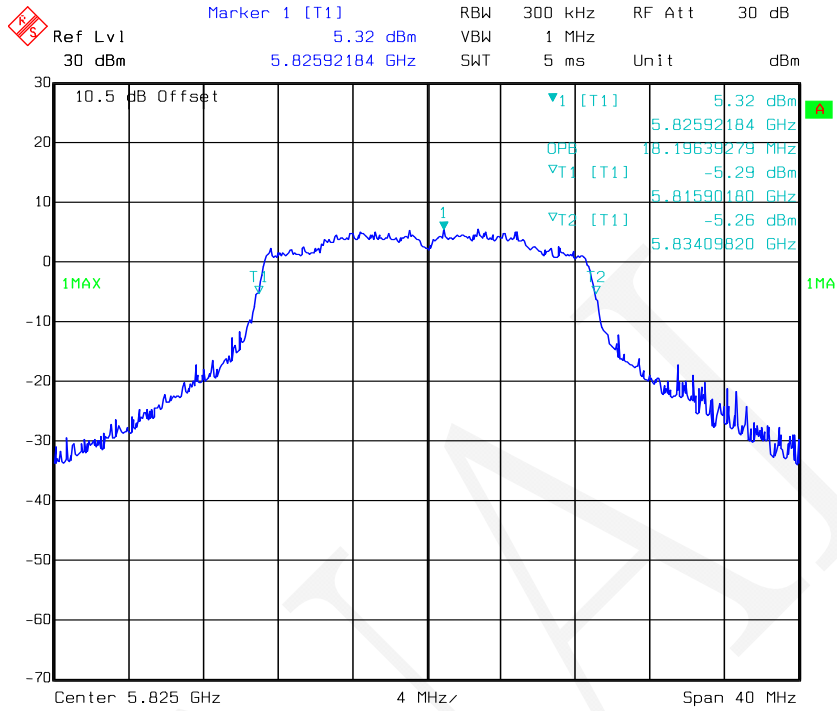
Date: 03.APR.2018 19:17:08

802.11ac20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 1



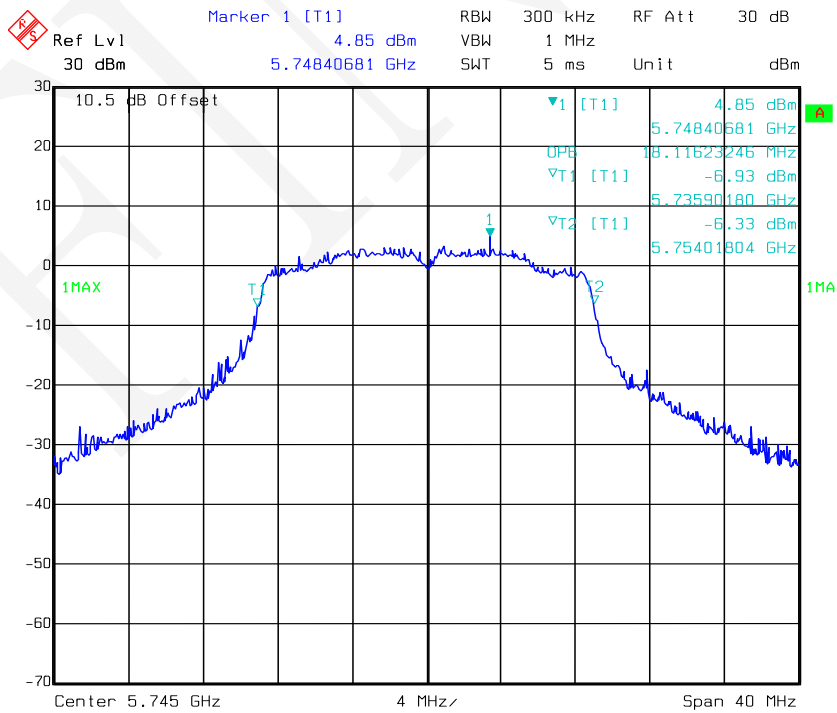
Date: 03.APR.2018 19:19:10

802.11ac20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 1



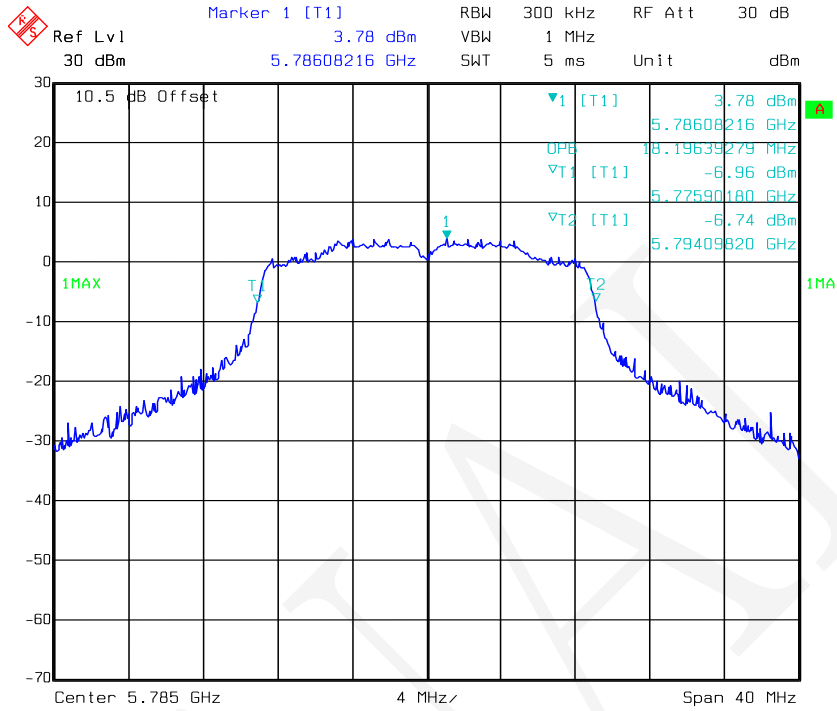
Date: 03.APR.2018 19:20:14

802.11ac20 mode, 99% Occupied Bandwidth-5745 MHz, Antenna 2



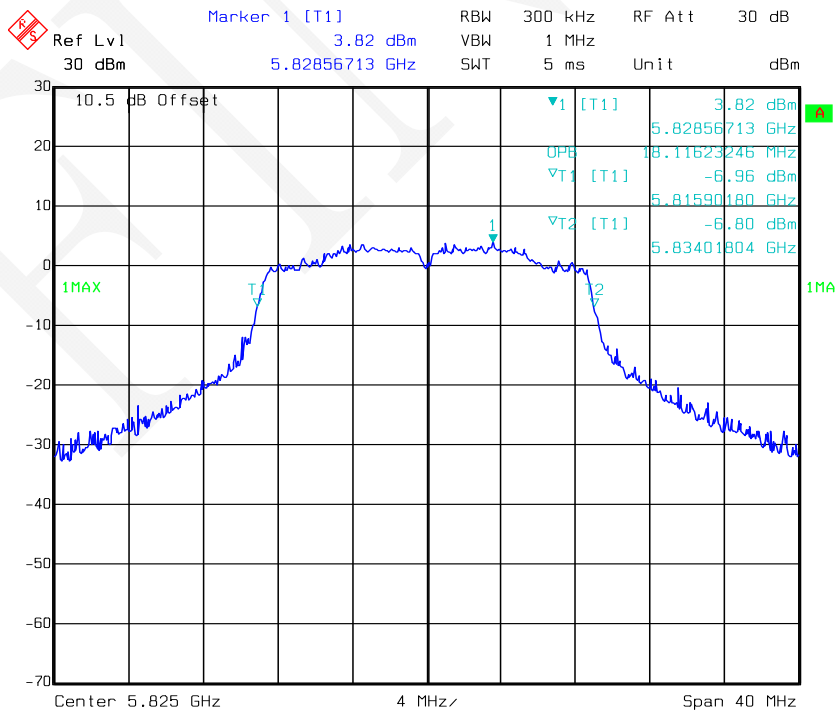
Date: 03.APR.2018 16:36:47

802.11ac20 mode, 99% Occupied Bandwidth-5785 MHz, Antenna 2



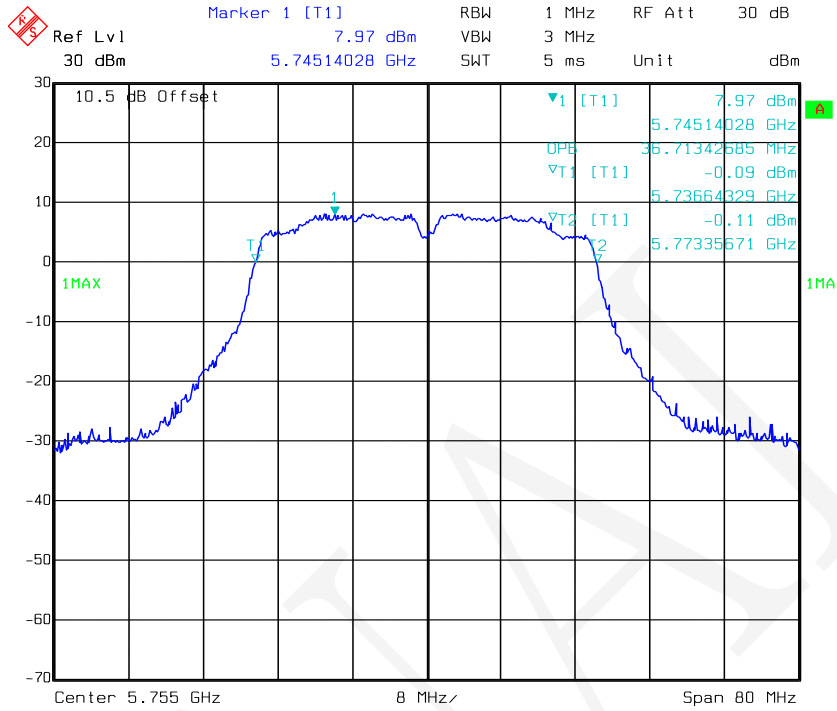
Date: 03.APR.2018 16:38:34

802.11ac20 mode, 99% Occupied Bandwidth-5825 MHz, Antenna 2



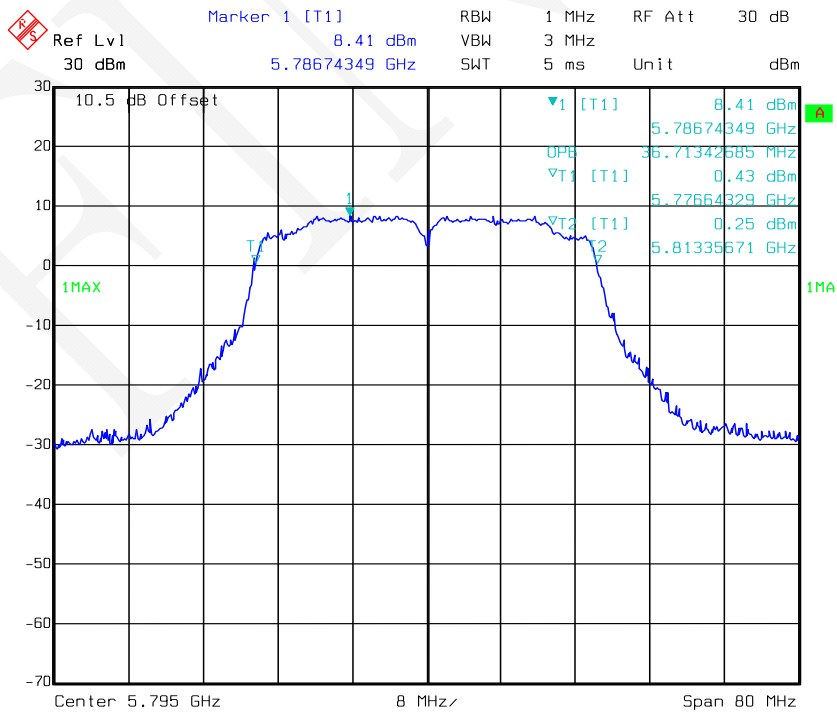
Date: 03.APR.2018 16:39:57

802.11ac40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 1



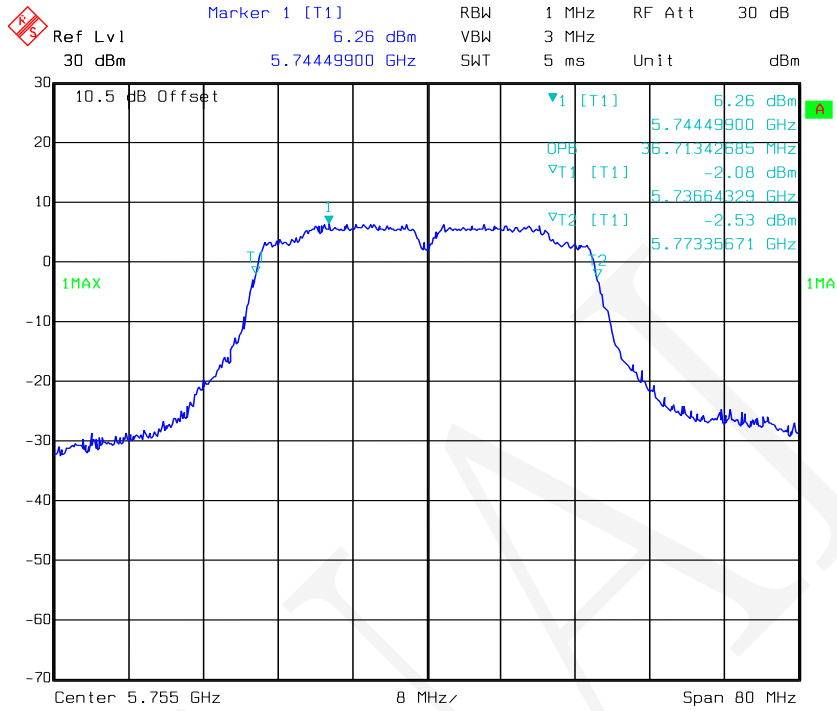
Date: 03.APR.2018 19:22:04

802.11ac40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 1



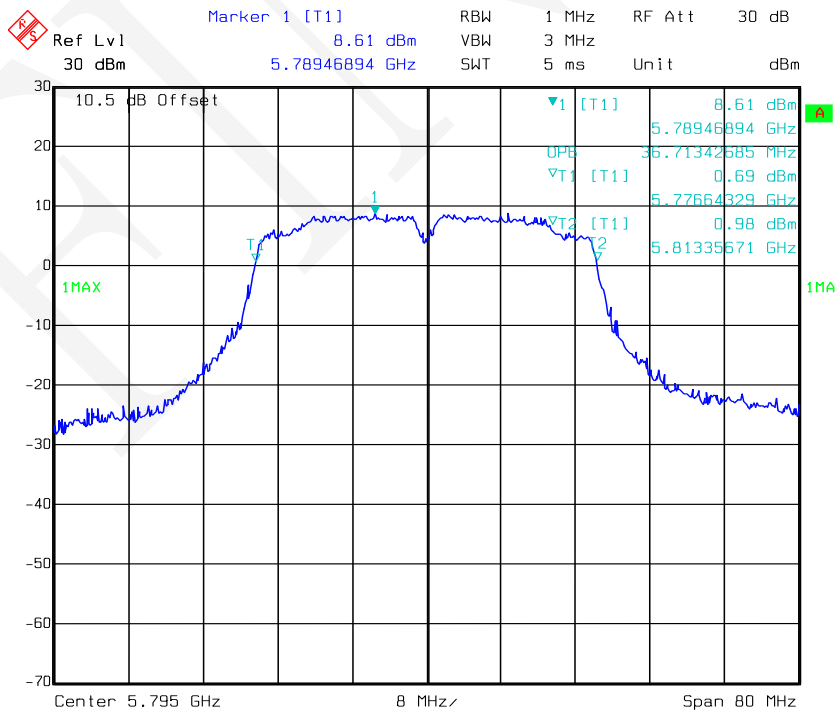
Date: 03.APR.2018 19:23:51

802.11ac40 mode, 99% Occupied Bandwidth-5755 MHz, Antenna 2



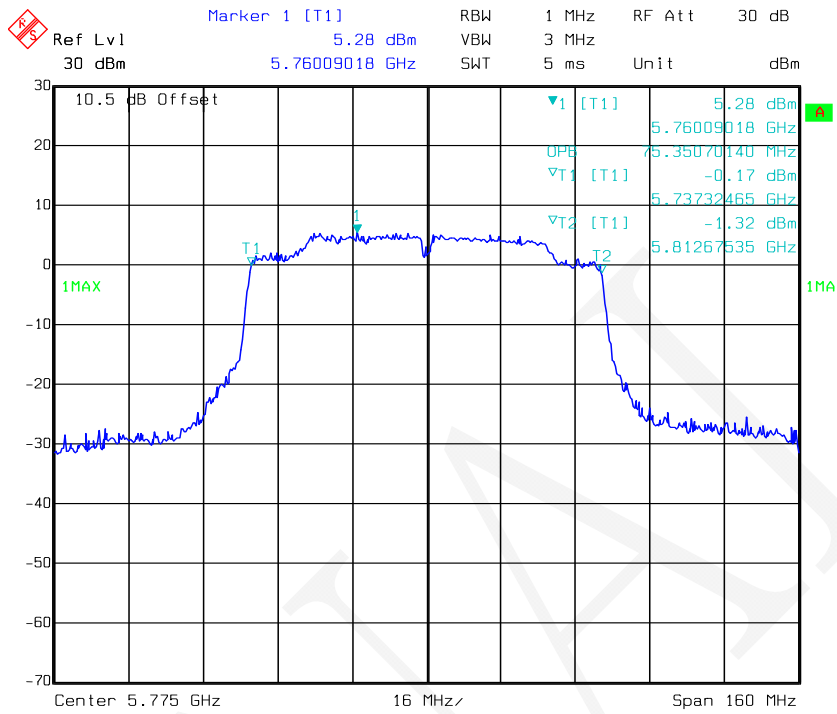
Date: 03.APR.2018 16:42:45

802.11ac40 mode, 99% Occupied Bandwidth-5795 MHz, Antenna 2



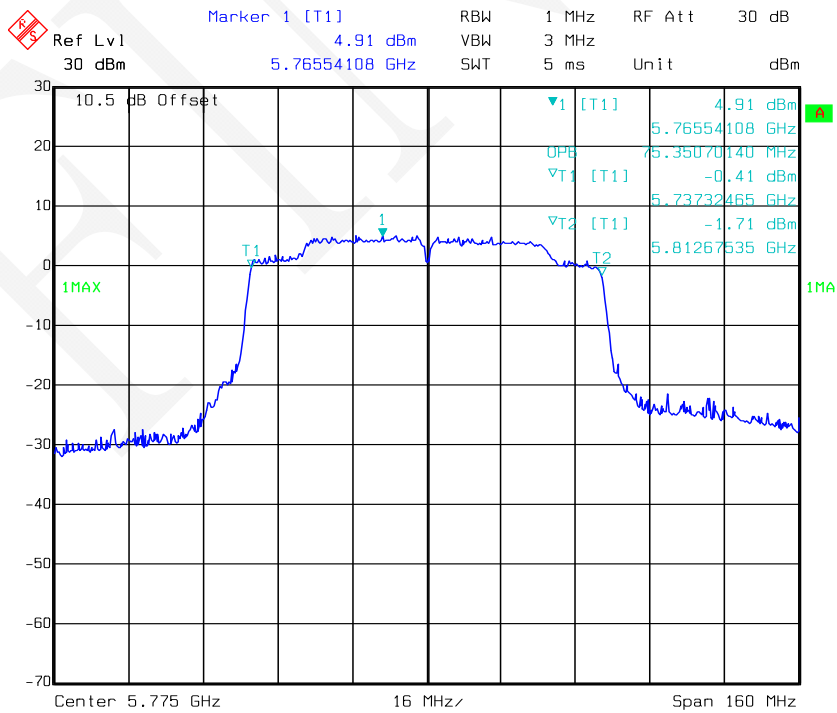
Date: 03.APR.2018 18:06:40

802.11ac80 mode, 99% Occupied Bandwidth-5775 MHz, Antenna 1



Date: 03.APR.2018 19:29:50

802.11ac80 mode, 99% Occupied Bandwidth-5775 MHz, Antenna 2



Date: 03.APR.2018 18:13:30

FCC §15.407(a) (1)(IV), (3), (4) – CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

(a) *Power limits:*

(1) For the band 5.15-5.25 GHz.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

NOTE TO PARAGRAPH (A)(3): The Commission strongly recommends that parties employing U-NII devices to provide critical communications services should determine if there are any nearby Government radar systems that could affect their operation.

(4) The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Test Procedure

According to 789033 D02 General UNII Test Procedures New Rules v02r01

Test Data

Environmental Conditions

Temperature:	21 °C
Relative Humidity:	56 %
ATM Pressure:	96.0 kPa

The testing was performed by Tom Tang on 2018-03-30.

Test Mode: Transmitting

For 7265NGW Module

For 5150-5250 MHz:

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)		Limit (dBm)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5180	14.44	14.21	0.12	14.56	14.33	24
	Middle	5200	13.92	13.72	0.12	14.04	13.84	24
	High	5240	12.76	12.44	0.12	12.88	12.56	24

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)	Limit (dBm)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5180	11.98	11.09	0.09	14.66	24
	Middle	5200	11.26	10.79	0.09	14.13	24
	High	5240	10.82	9.98	0.09	13.52	24
802.11n-HT40	Low	5190	11.53	11.09	0.50	14.83	24
	High	5230	11.65	10.06	0.50	14.44	24
802.11ac20	Low	5180	12.37	11.08	0.09	14.87	24
	Middle	5200	12.46	10.63	0.09	14.74	24
	High	5240	11.40	9.73	0.09	13.75	24
802.11ac40	Low	5190	12.29	10.96	0.58	15.27	24
	High	5230	11.72	10.27	0.58	14.65	24
802.11ac 80	-	5210	10.43	9.68	0.42	13.50	24

For 5725-5850 MHz:

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)		Limit (dBm)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5745	15.00	13.33	0.12	15.12	13.45	30
	Middle	5785	15.12	13.14	0.12	15.24	13.26	30
	High	5825	15.09	12.73	0.12	15.21	12.85	30

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)	Limit (dBm)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5745	12.58	11.77	0.09	15.29	30
	Middle	5785	12.47	11.37	0.09	15.06	30
	High	5825	13.25	10.78	0.09	15.29	30
802.11n-HT40	Low	5755	12.43	11.61	0.50	15.55	30
	High	5795	12.46	11.03	0.50	15.31	30
802.11ac20	Low	5745	12.59	11.74	0.09	15.29	30
	Middle	5785	12.52	11.14	0.09	14.98	30
	High	5825	12.69	10.72	0.09	14.92	30
802.11ac40	Low	5755	12.52	11.61	0.58	15.68	30
	High	5795	12.55	11.08	0.58	15.47	30
802.11ac 80	-	5775	12.19	10.50	0.42	14.86	30

Note:

1. The max antenna gain is 3.7dBi.
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 3.7 \text{ dBi} < 6 \text{ dBi}$

No power limit was reduced in MIMO mode.

For 8265NGW Module

For 5150-5250 MHz:

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)		Limit (dBm)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5180	11.85	11.12	0.08	11.93	11.20	24
	Middle	5200	11.30	10.85	0.08	11.38	10.93	24
	High	5240	11.77	10.73	0.08	11.85	10.81	24

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)	Limit (dBm)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5180	11.88	11.02	0.04	14.52	24
	Middle	5200	11.43	10.57	0.04	14.07	24
	High	5240	11.63	10.68	0.04	14.23	24
802.11n-HT40	Low	5190	11.10	10.18	0.09	13.76	24
	High	5230	10.31	9.99	0.09	13.25	24
802.11ac20	Low	5180	11.80	10.95	0.04	14.45	24
	Middle	5200	11.40	10.67	0.04	14.10	24
	High	5240	11.70	10.59	0.04	14.23	24
802.11ac40	Low	5190	11.03	10.10	0.09	13.69	24
	High	5230	10.65	9.89	0.09	13.39	24
802.11ac 80	-	5210	10.62	10.15	0.35	13.75	24

For 5725-5850 MHz:

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)		Limit (dBm)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5745	11.28	11.07	0.08	11.36	11.15	30
	Middle	5785	12.09	11.76	0.08	12.17	11.84	30
	High	5825	12.21	11.26	0.08	12.29	11.34	30

Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)		Duty Cycle Factor (dB)	Total (dBm)	Limit (dBm)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5745	11.22	11.06	0.04	14.19	30
	Middle	5785	11.99	11.42	0.04	14.76	30
	High	5825	12.15	11.02	0.04	14.67	30
802.11n-HT40	Low	5755	11.69	10.87	0.09	14.40	30
	High	5795	12.24	11.66	0.09	15.06	30
802.11ac20	Low	5745	11.16	10.81	0.04	14.04	30
	Middle	5785	11.89	11.47	0.04	14.74	30
	High	5825	12.09	11.17	0.04	14.70	30
802.11ac40	Low	5755	11.81	10.92	0.09	14.49	30
	High	5795	12.21	11.61	0.09	15.02	30
802.11ac 80	-	5775	11.69	10.85	0.35	14.65	30

Note:

1. The max antenna gain is 3.7dBi.
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 3.7 \text{ dBi} < 6 \text{ dBi}$

No power limit was reduced in MIMO mode.

FCC §15.407(a) (1) (iv) (3) (5) - POWER SPECTRAL DENSITY

Applicable Standard

(a) Power limits:

(1) For the band 5.15-5.25 GHz.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test Data

Environmental Conditions

Temperature:	21 ~ 28 °C
Relative Humidity:	38 ~ 59 %
ATM Pressure:	95.0 ~ 96.0 kPa

* The testing was performed by Tom Tang from 2018-03-29 to 2018-04-03.
 Test Mode: Transmitting

For 7265NGW Module

For 5150-5250 MHz:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total (dBm/MHz)		Limit (dBm/MHz)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5180	3.99	3.81	0.12	4.11	3.93	11
	Middle	5200	3.67	3.44	0.12	3.79	3.56	11
	High	5240	2.37	1.61	0.12	2.49	1.73	11

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total (dBm/MHz)	Limit (dBm/MHz)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5180	1.43	0.32	0.09	4.01	10.3
	Middle	5200	0.64	0.21	0.09	3.53	10.3
	High	5240	0.51	-0.52	0.09	3.13	10.3
802.11n-HT40	Low	5190	-1.46	-2.53	0.50	1.55	10.3
	High	5230	-2.03	-3.74	0.50	0.71	10.3
802.11ac20	Low	5180	1.78	0.37	0.09	4.23	10.3
	Middle	5200	1.94	0.11	0.09	4.22	10.3
	High	5240	0.97	-0.29	0.09	3.49	10.3
802.11ac40	Low	5190	-1.41	-2.81	0.58	1.54	10.3
	High	5230	-2.04	-3.36	0.58	0.94	10.3
802.11ac80	-	5210	-6.28	-6.81	0.42	-3.11	10.3

Note:

1. The max antenna gain is 3.7dBi.
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices:

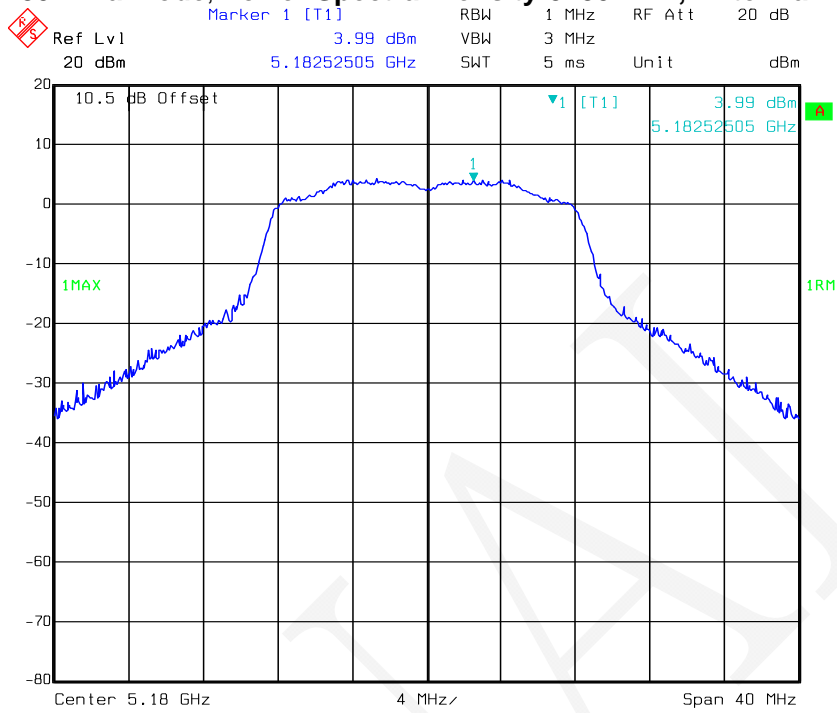
$$\text{Array Gain} = 10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}}) \text{dB}$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 3.7 + 10 \cdot \log(2) = 6.7 \text{dBi} > 6 \text{dBi}$$

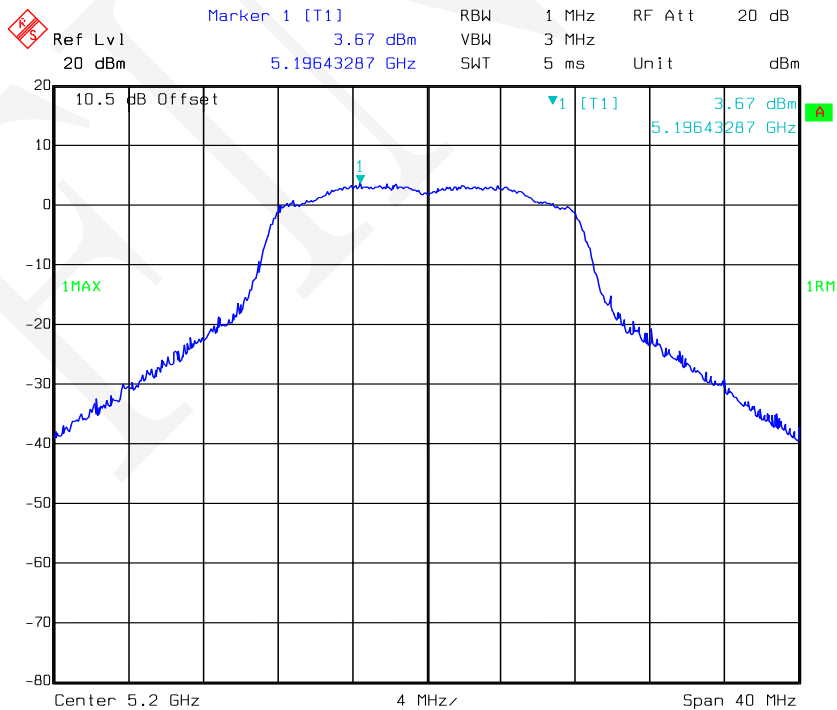
The power density Limit was reduced 0.7dB in MIMO mode.

802.11a mode, Power Spectral Density-5180 MHz, Antenna 1



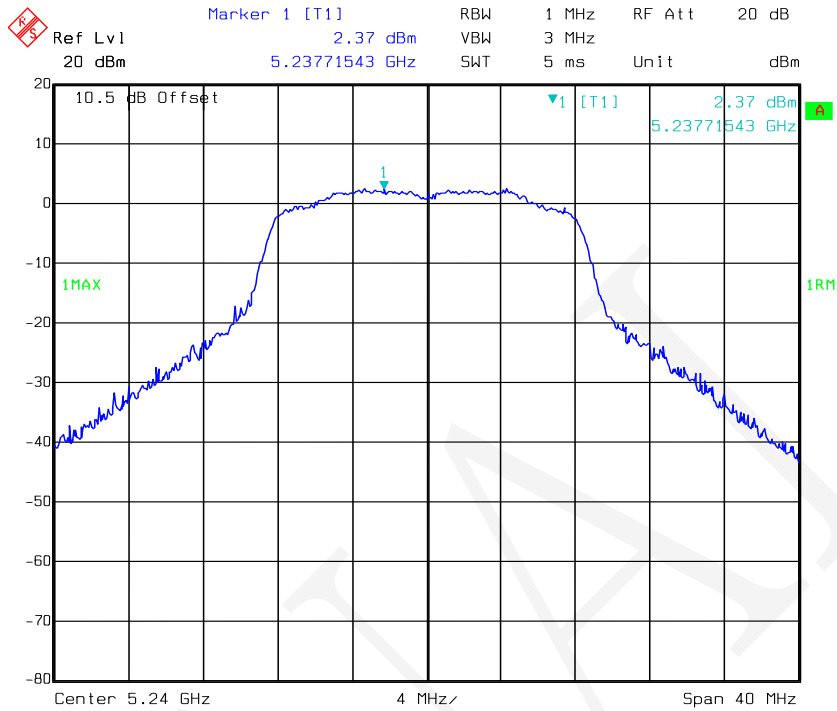
Date: 30.MAR.2018 14:54:12

802.11a mode, Power Spectral Density-5200 MHz, Antenna 1



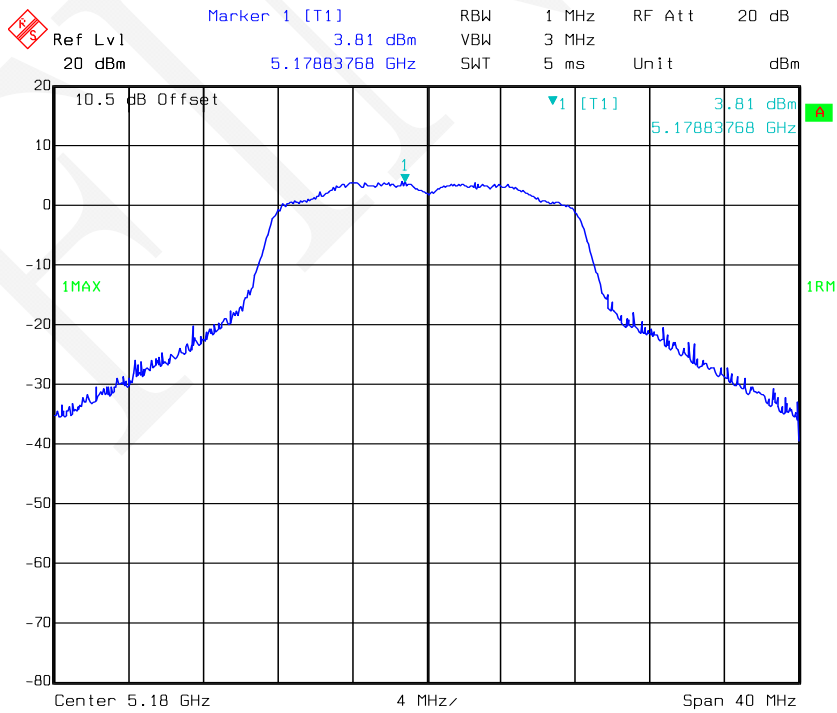
Date: 30.MAR.2018 14:55:37

802.11a mode, Power Spectral Density-5240 MHz, Antenna 1



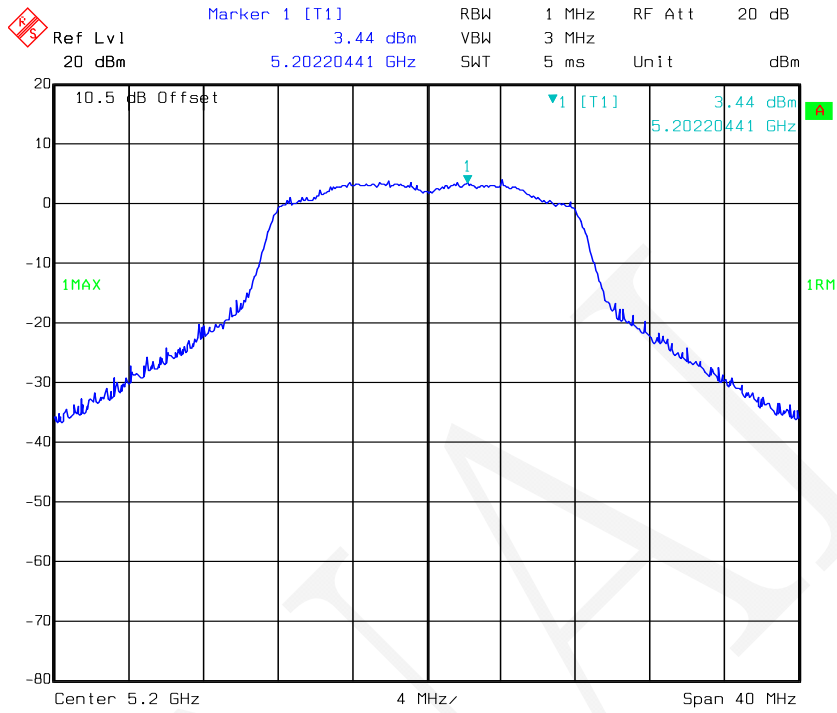
Date: 30.MAR.2018 14:56:51

802.11a mode, Power Spectral Density-5180 MHz, Antenna 2



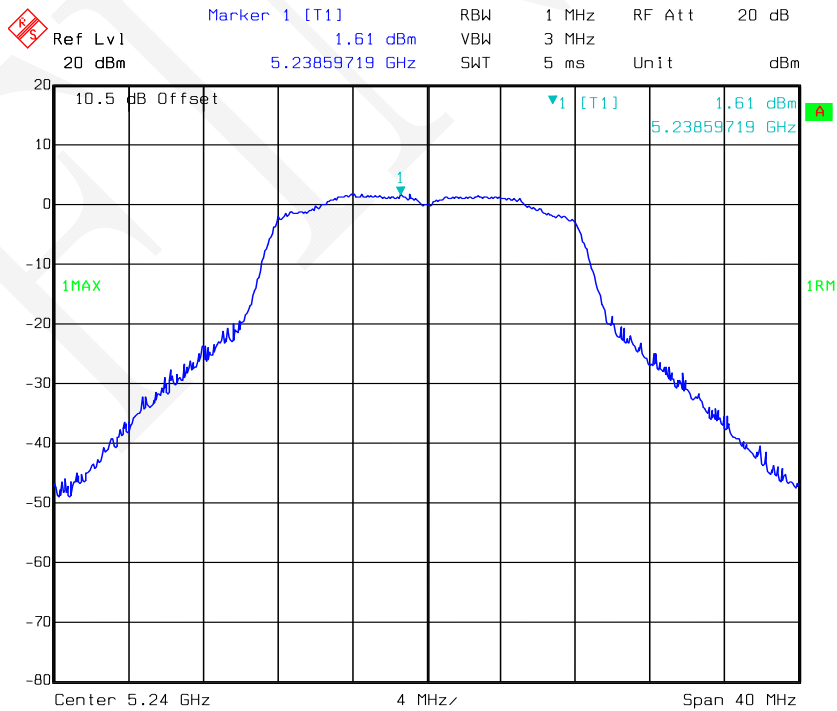
Date: 30.MAR.2018 14:44:02

802.11a mode, Power Spectral Density-5200 MHz, Antenna 2



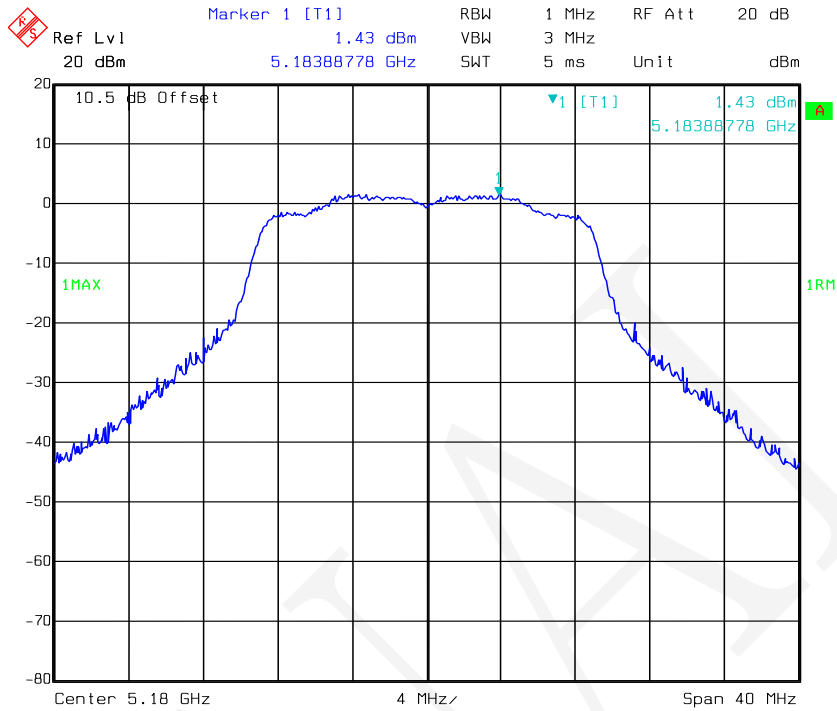
Date: 30.MAR.2018 14:45:31

802.11a mode, Power Spectral Density-5240 MHz, Antenna 2



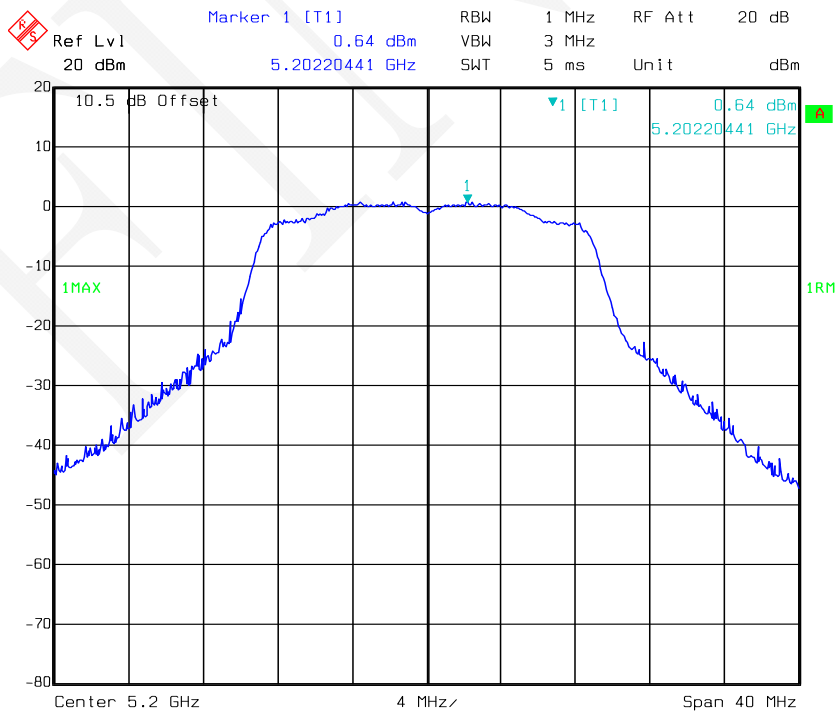
Date: 30.MAR.2018 14:46:43

802.11n-HT20 mode, Power Spectral Density-5180 MHz, Antenna 1



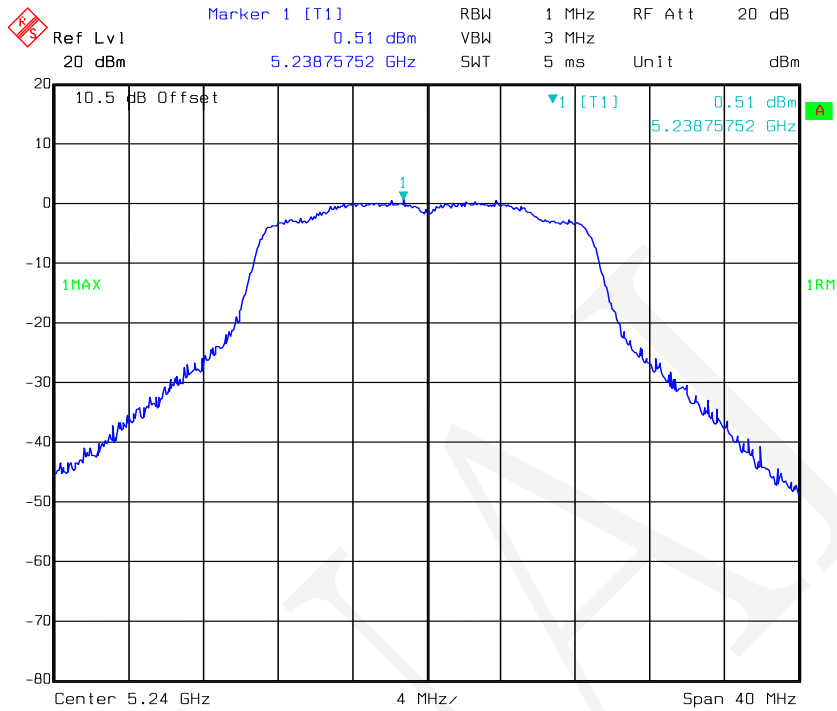
Date: 30.MAR.2018 13:22:10

802.11n-HT20 mode, Power Spectral Density-5200 MHz, Antenna 1



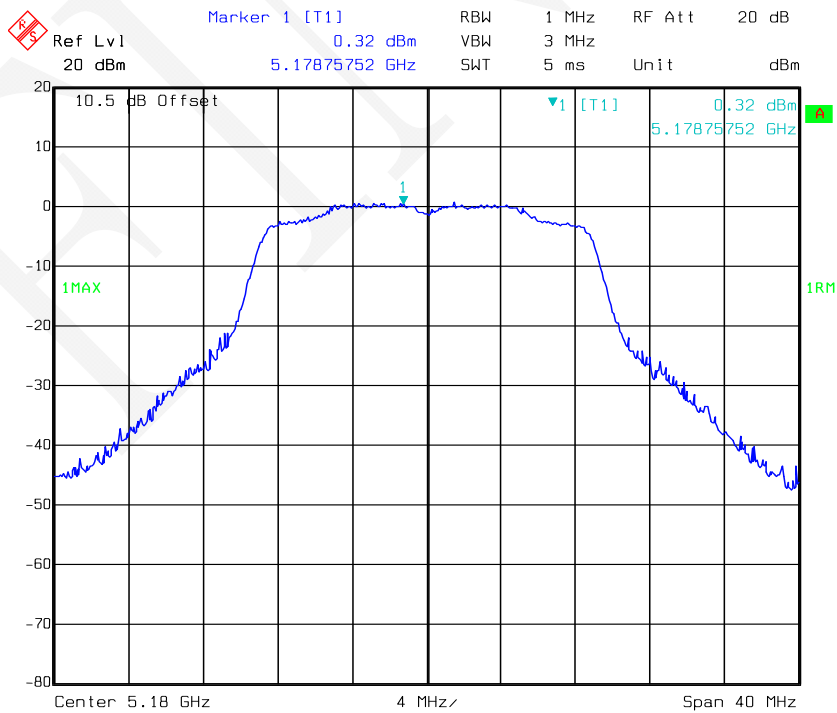
Date: 30.MAR.2018 13:23:54

802.11n-HT20 mode, Power Spectral Density-5240 MHz, Antenna 1



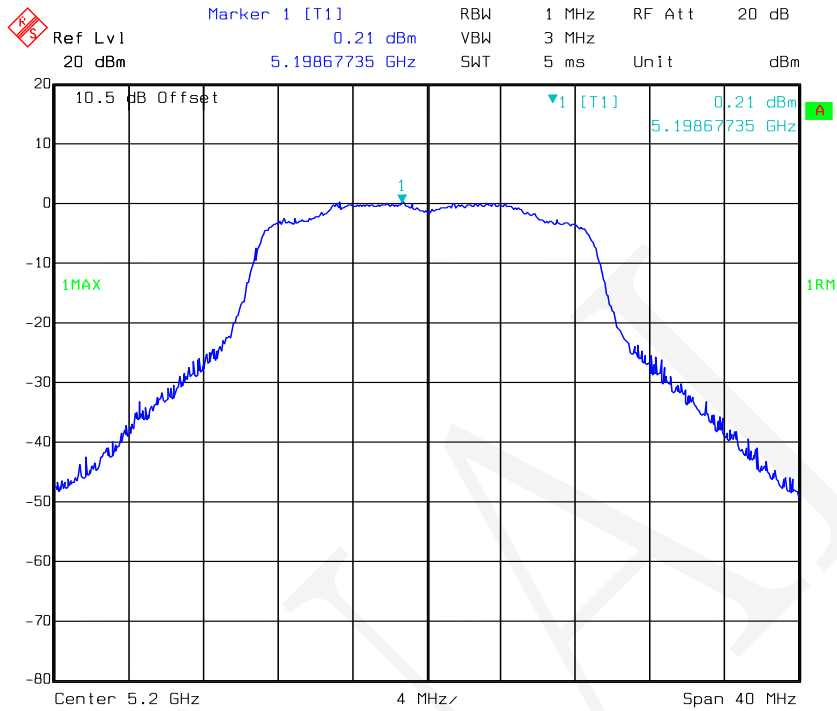
Date: 30.MAR.2018 13:25:27

802.11n-HT20 mode, Power Spectral Density-5180 MHz, Antenna 2



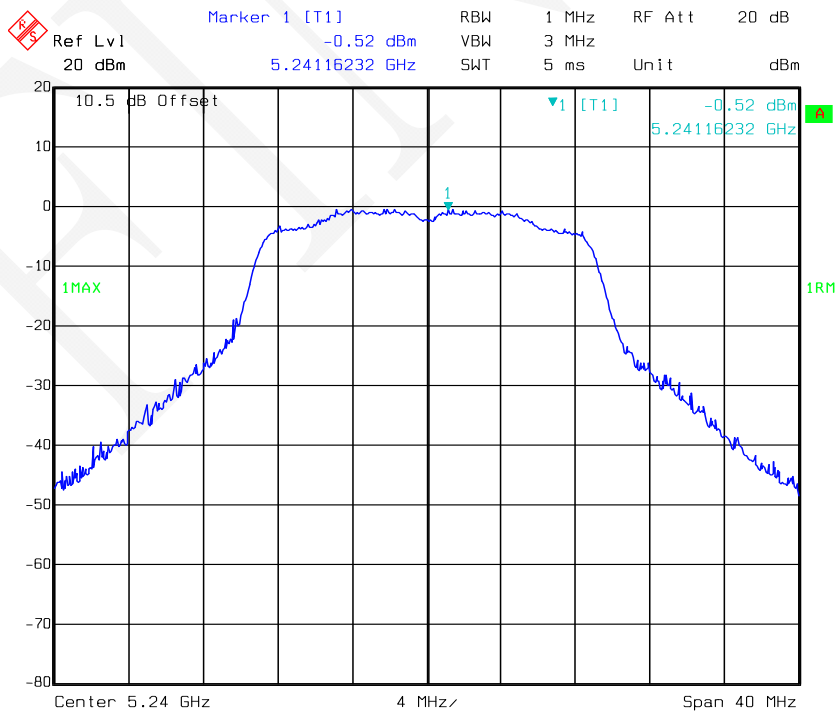
Date: 30.MAR.2018 14:15:01

802.11n-HT20 mode, Power Spectral Density-5200 MHz, Antenna 2



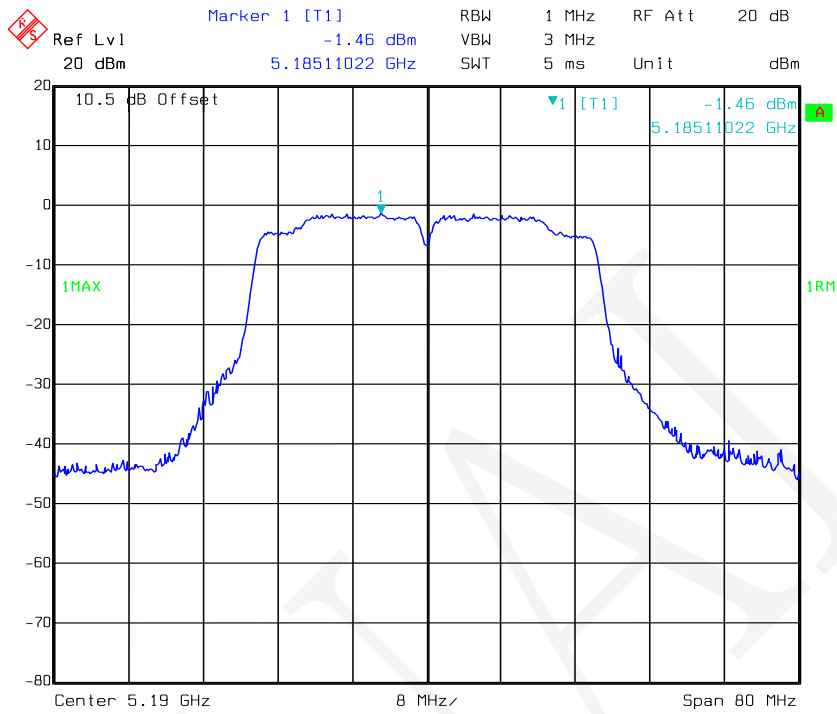
Date: 30.MAR.2018 14:16:50

802.11n-HT20 mode, Power Spectral Density-5240 MHz, Antenna 2



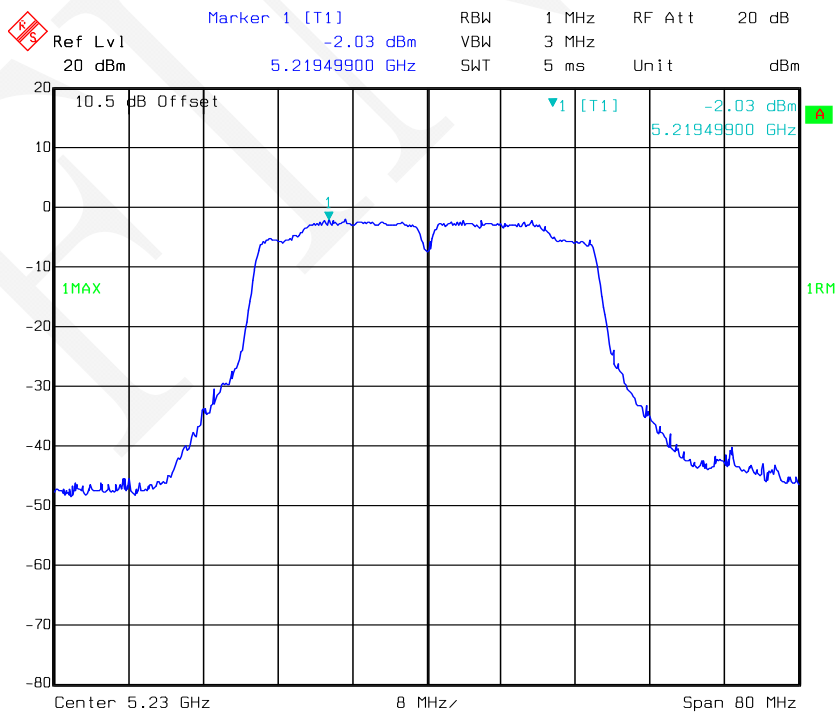
Date: 30.MAR.2018 14:18:09

802.11n-HT40 mode, Power Spectral Density-5190 MHz, Antenna 1



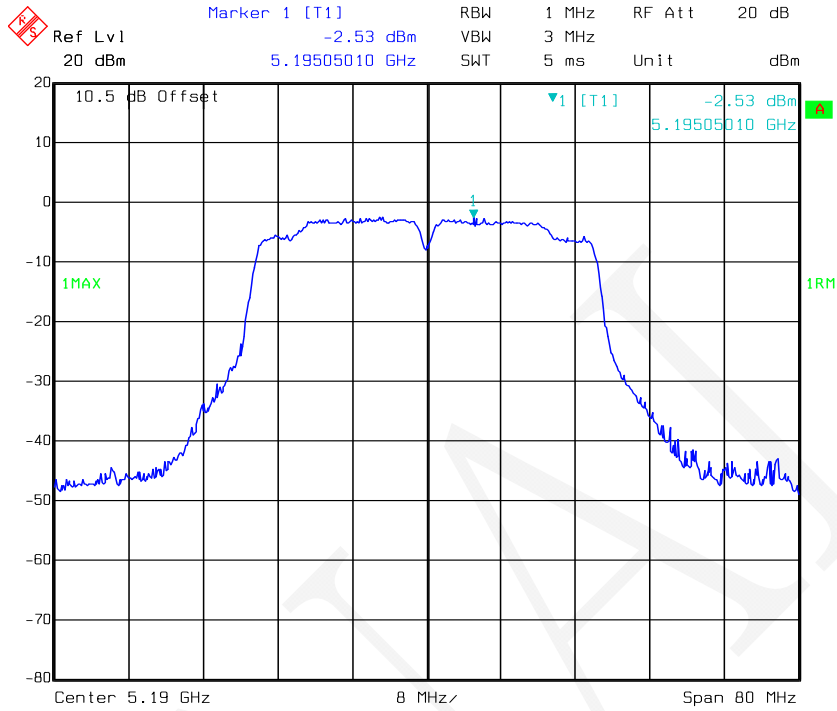
Date: 30.MAR.2018 13:34:26

802.11n-HT40 mode, Power Spectral Density-5230 MHz, Antenna 1



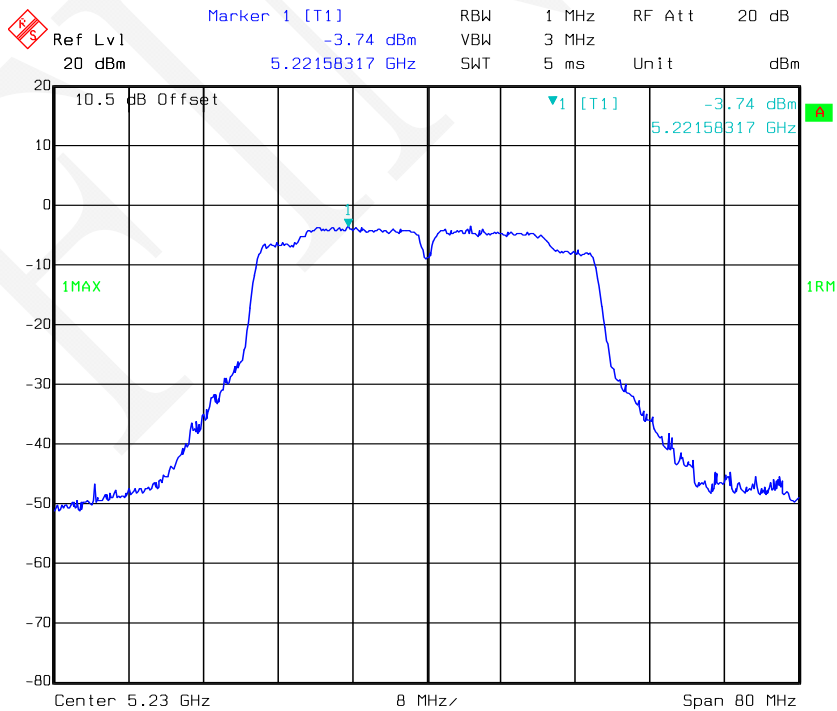
Date: 30.MAR.2018 13:36:05

802.11n-HT40 mode, Power Spectral Density-5190 MHz, Antenna 2



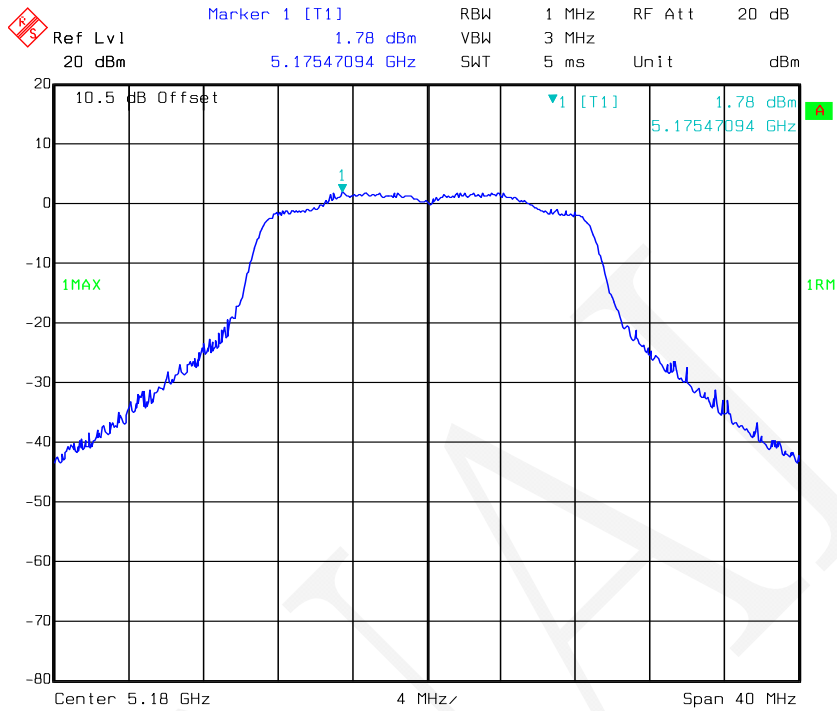
Date: 30.MAR.2018 14:25:31

802.11n-HT40 mode, Power Spectral Density-5230 MHz, Antenna 2



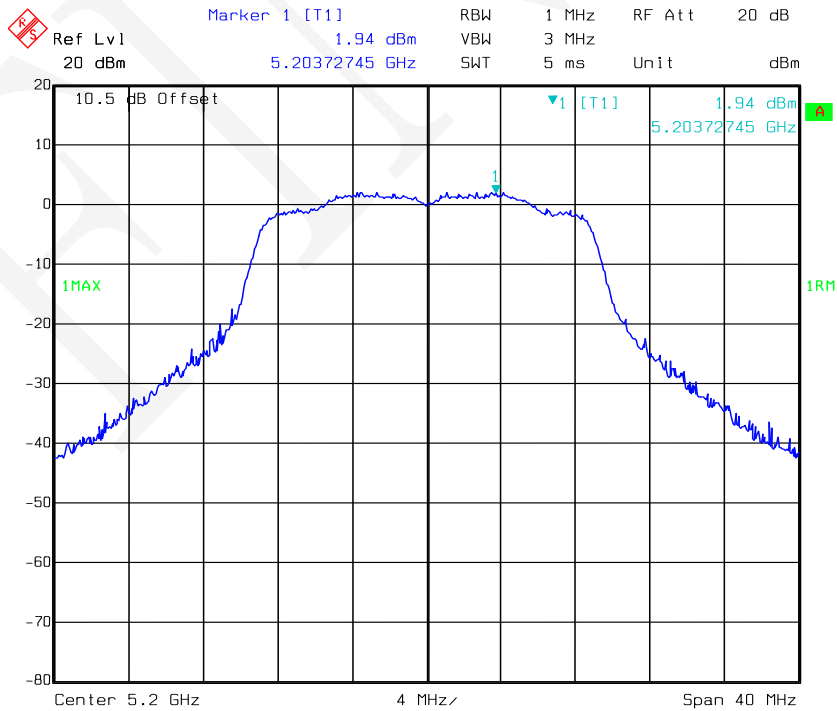
Date: 30.MAR.2018 14:27:30

802.11ac20 mode, Power Spectral Density-5180 MHz, Antenna 1



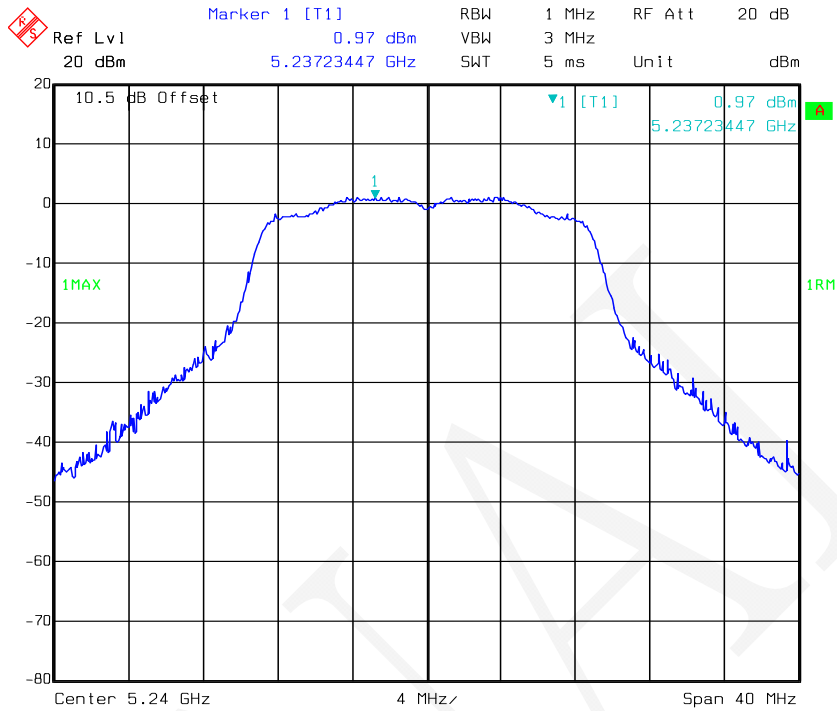
Date: 30.MAR.2018 13:27:11

802.11ac20 mode, Power Spectral Density-5200 MHz, Antenna 1



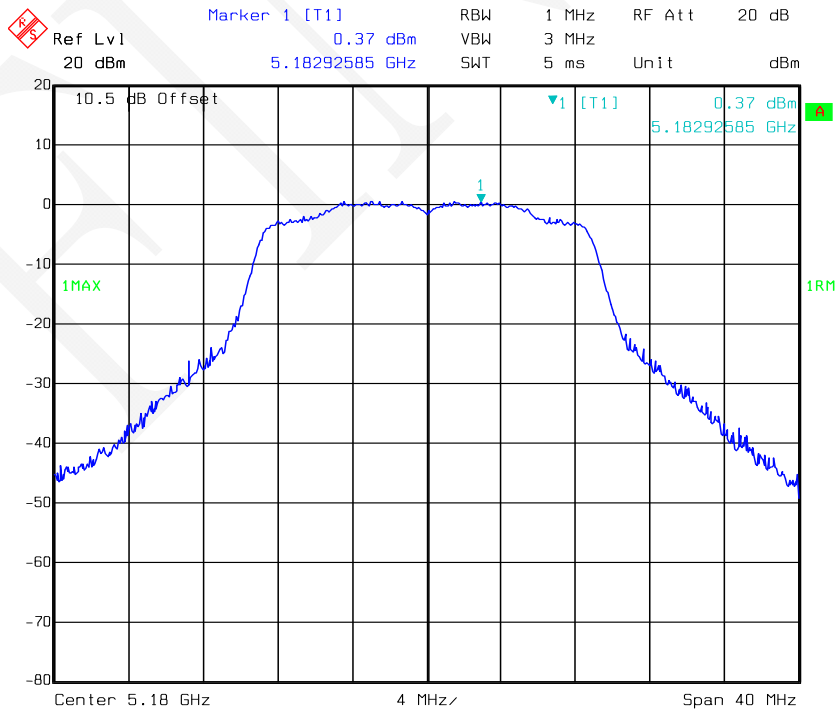
Date: 30.MAR.2018 13:31:26

802.11ac20 mode, Power Spectral Density-5240 MHz, Antenna 1



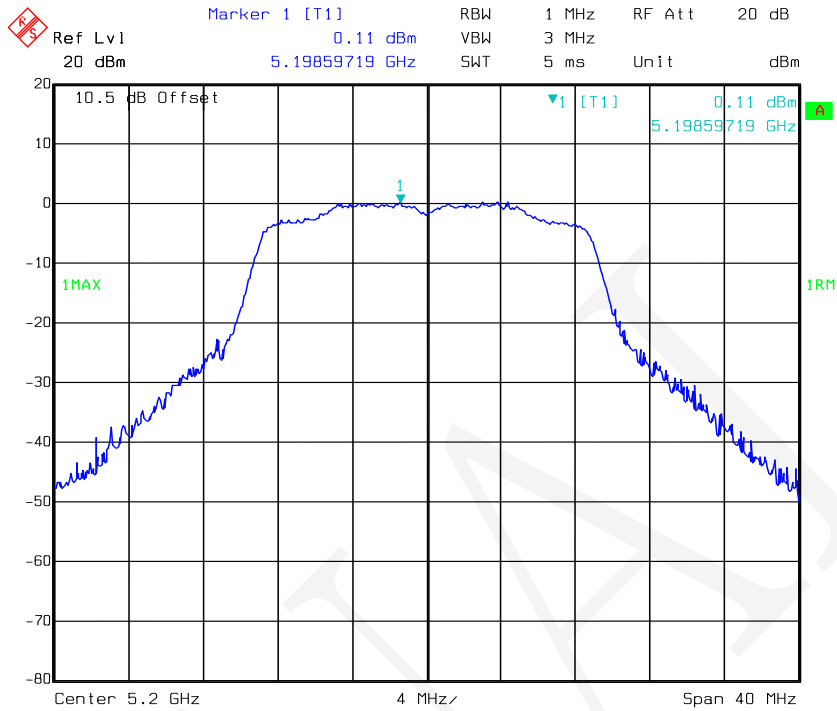
Date: 30.MAR.2018 13:32:42

802.11ac20 mode, Power Spectral Density-5180 MHz, Antenna 2



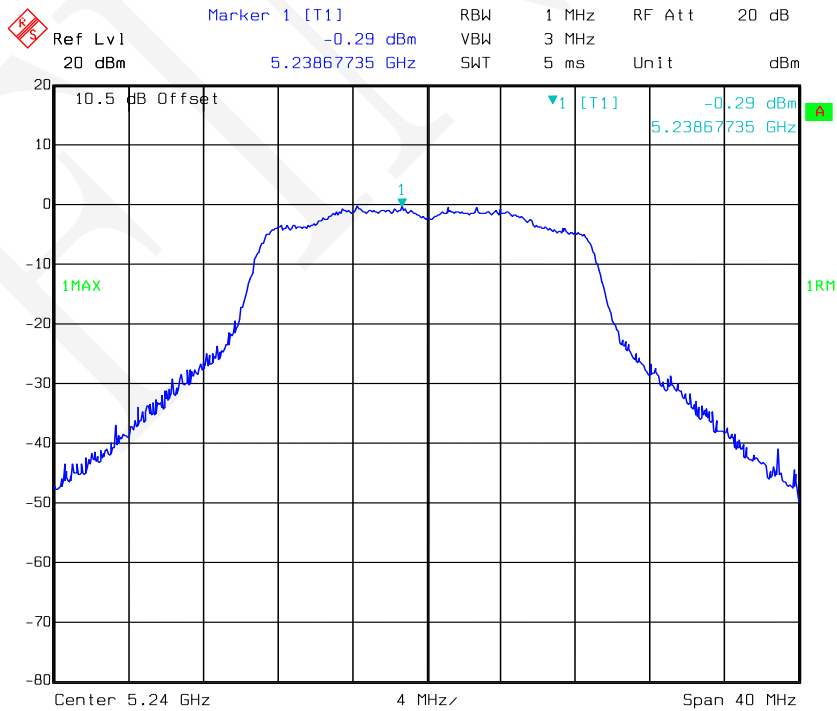
Date: 30.MAR.2018 14:20:17

802.11ac20 mode, Power Spectral Density-5200 MHz, Antenna 2



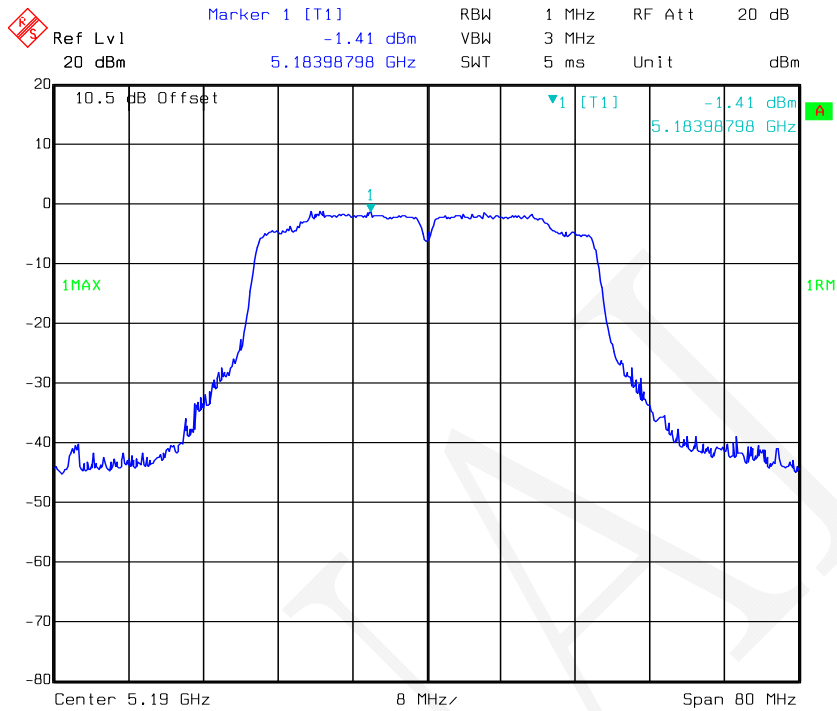
Date: 30.MAR.2018 14:21:41

802.11ac20 mode, Power Spectral Density-5240 MHz, Antenna 2



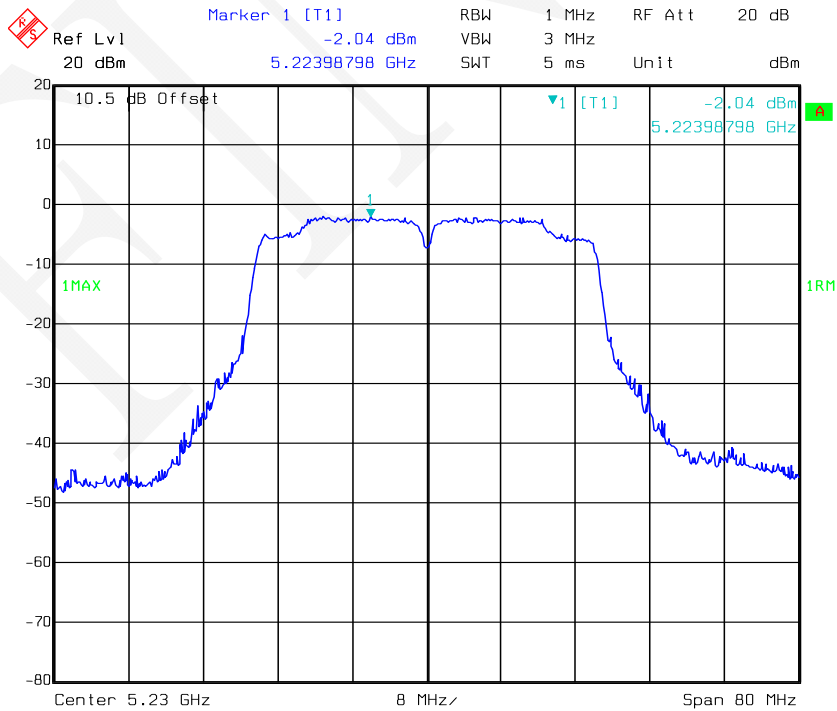
Date: 30.MAR.2018 14:22:49

802.11ac40 mode, Power Spectral Density-5190 MHz, Antenna 1



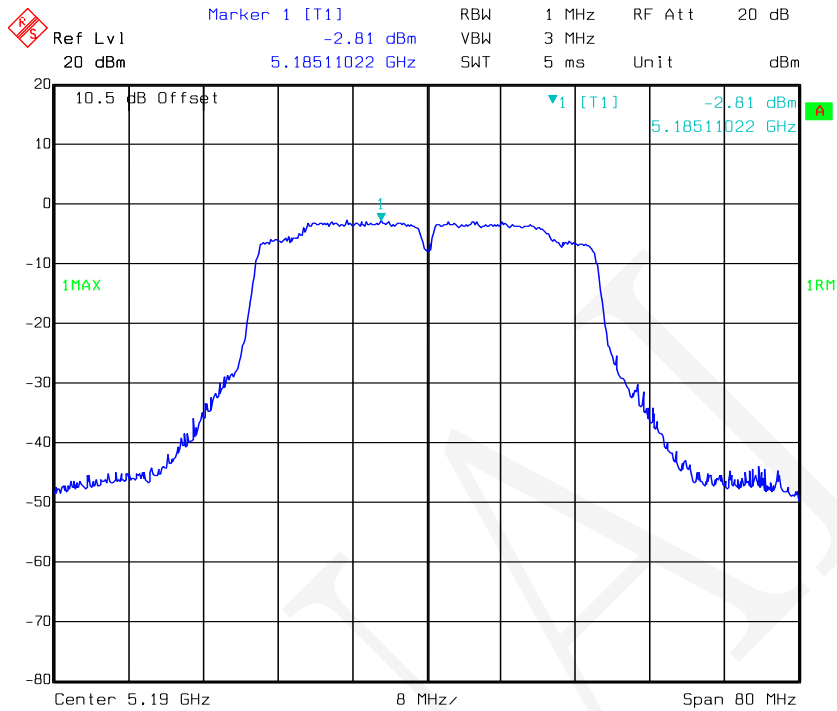
Date: 30.MAR.2018 13:37:46

802.11ac40 mode, Power Spectral Density-5230 MHz, Antenna 1



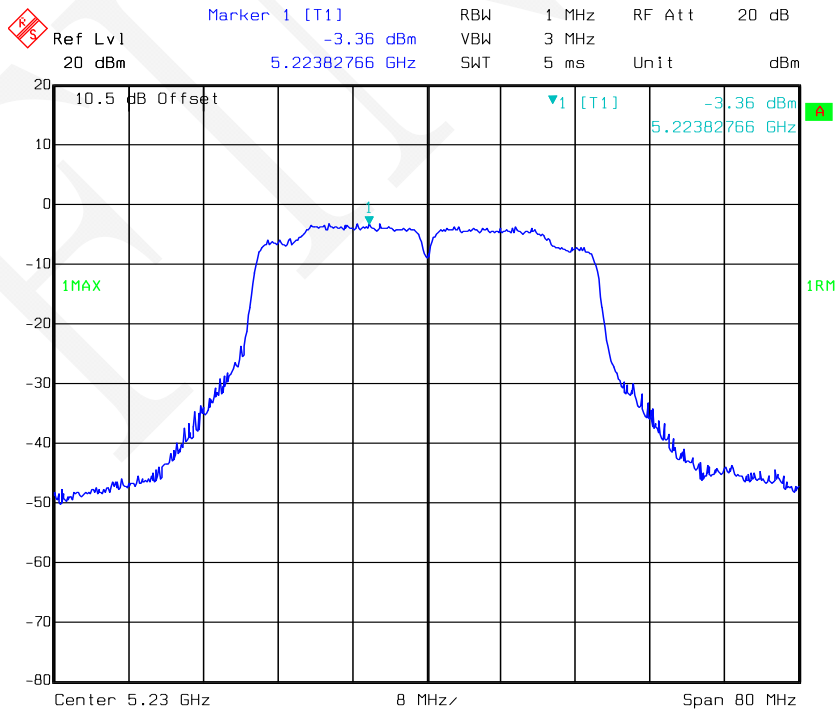
Date: 30.MAR.2018 13:39:16

802.11ac40 mode, Power Spectral Density-5190 MHz, Antenna 2



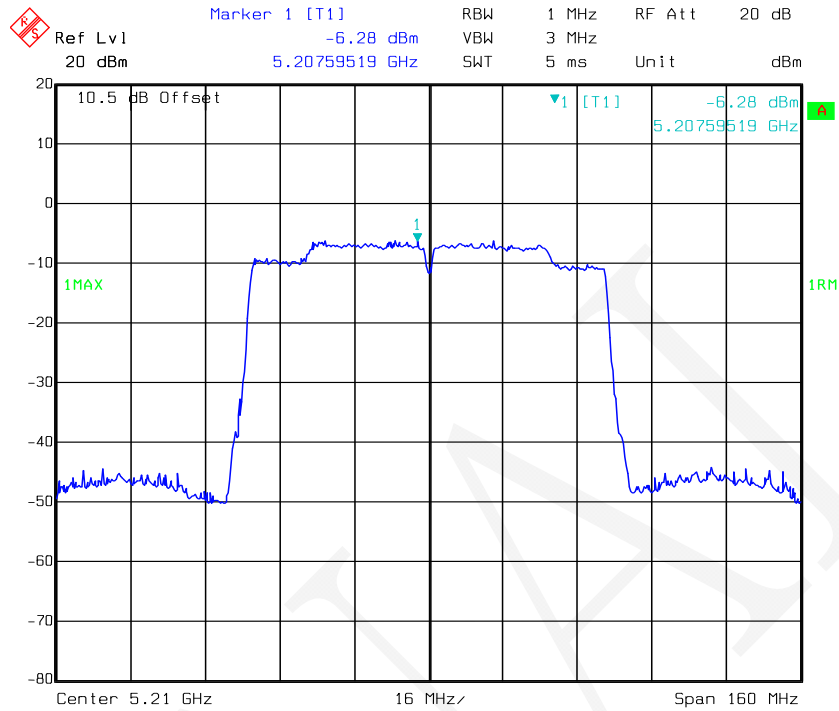
Date: 30.MAR.2018 14:29:14

802.11ac40 mode, Power Spectral Density-5230 MHz, Antenna 2

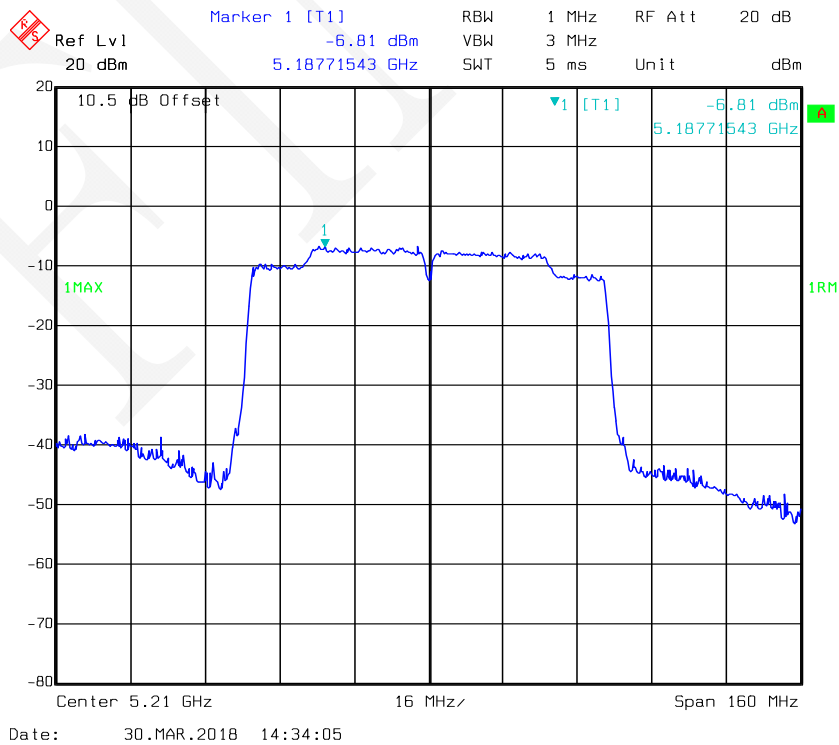


Date: 30.MAR.2018 14:30:47

802.11ac 80 mode, Power Spectral Density-5210 MHz, Antenna 1



802.11ac 80 mode, Power Spectral Density-5210 MHz, Antenna 2



For 5725-5850 MHz:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor (dB)	Total (dBm/500kHz)		Limit (dBm/500kHz)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5745	2.61	2.06	0.12	2.73	2.18	30
	Middle	5785	2.18	2.53	0.12	2.30	2.65	30
	High	5825	2.66	2.68	0.12	2.78	2.80	30

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor (dB)	Total (dBm/500kHz)	Limit (dBm/500kHz)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5745	0.77	0.86	0.09	3.92	29.3
	Middle	5785	0.62	0.64	0.09	3.73	29.3
	High	5825	0.09	0.28	0.09	3.29	29.3
802.11n-HT40	Low	5755	-2.10	-2.50	0.50	1.21	29.3
	High	5795	-2.85	-2.56	0.50	0.81	29.3
802.11ac20	Low	5745	0.88	0.93	0.09	4.01	29.3
	Middle	5785	-0.13	0.35	0.09	3.22	29.3
	High	5825	0.40	0.13	0.09	3.37	29.3
802.11ac40	Low	5755	-2.39	-2.21	0.58	1.29	29.3
	High	5795	-3.05	-2.82	0.58	0.66	29.3
802.11ac80	-	5775	-5.95	-6.23	0.42	-2.66	29.3

Note:

1. The max antenna gain is 3.7dBi.
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices:

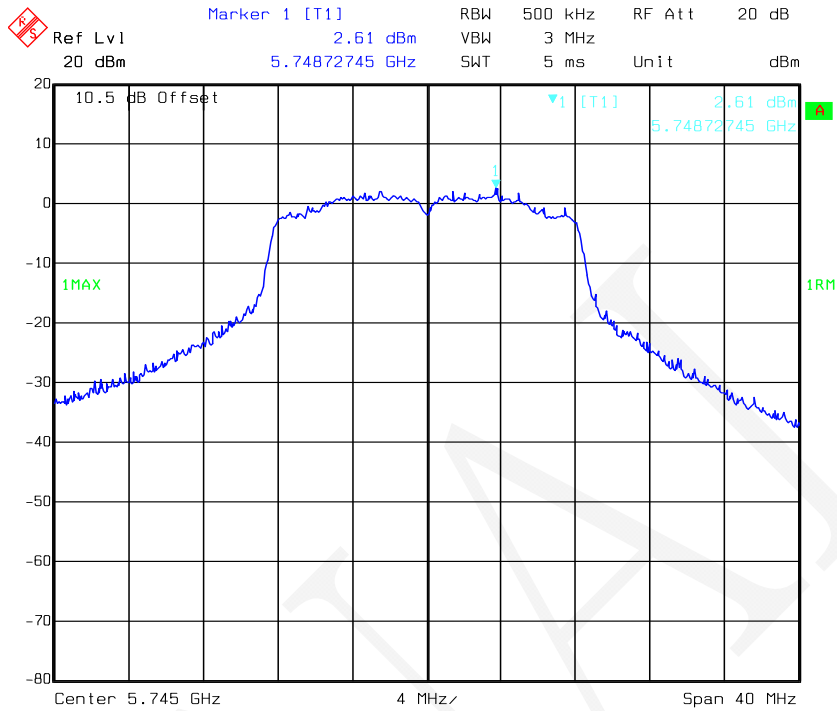
$$\text{Array Gain} = 10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}}) \text{dB}$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 3.7 + 10 \cdot \log(2) = 6.7 \text{dBi} > 6 \text{dBi}$$

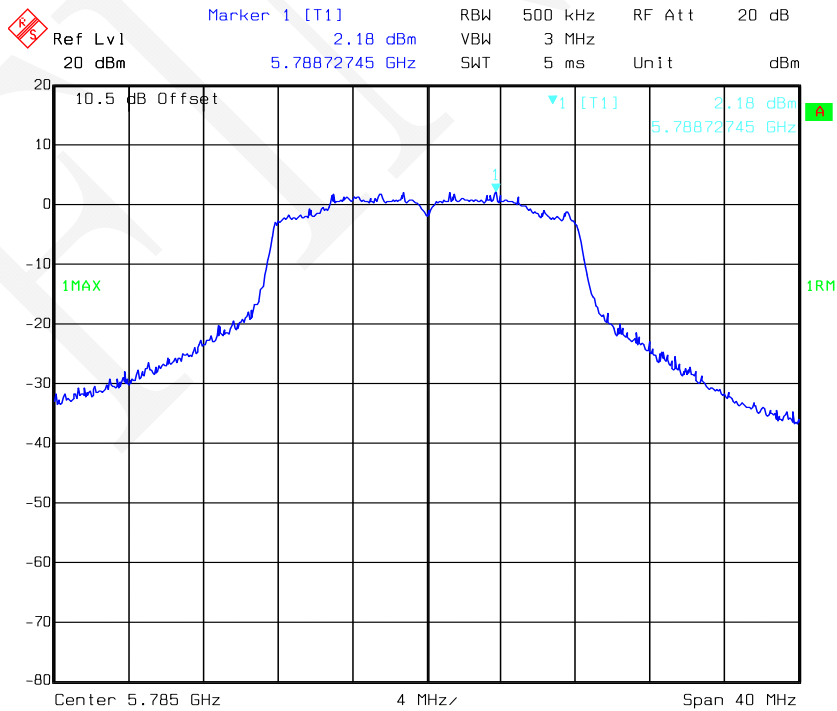
The power density Limit was reduced 0.7dB in MIMO mode.

802.11a mode, Power Spectral Density-5745 MHz, Antenna 1



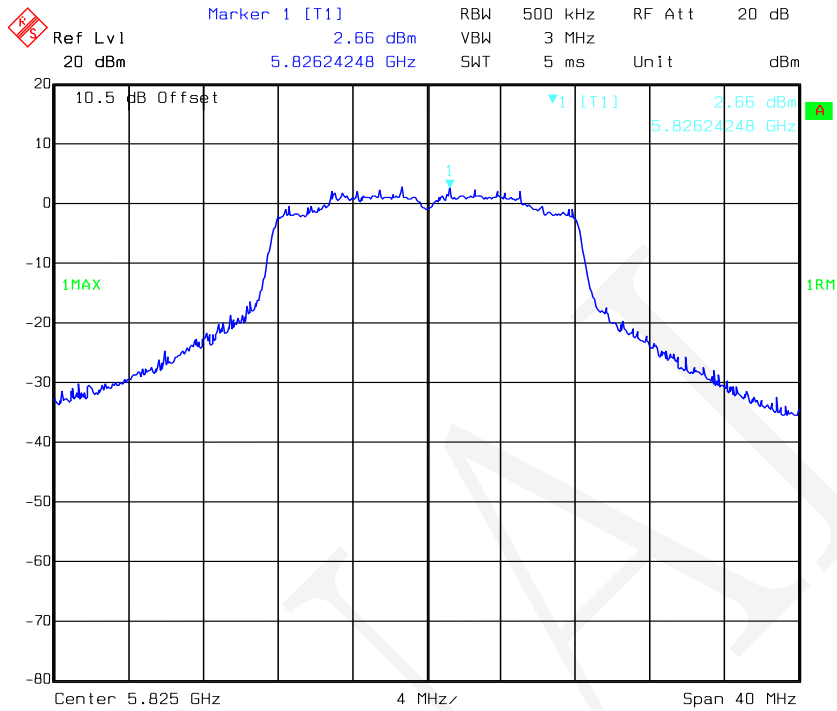
Date: 29.MAR.2018 18:12:19

802.11a mode, Power Spectral Density-5785 MHz, Antenna 1



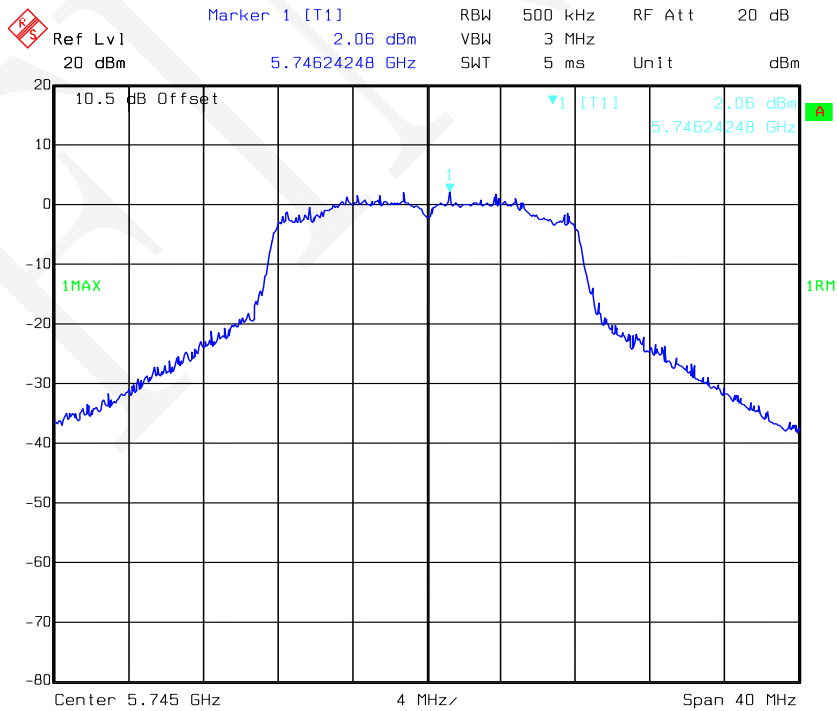
Date: 29.MAR.2018 17:56:34

802.11a mode, Power Spectral Density-5825 MHz, Antenna 1



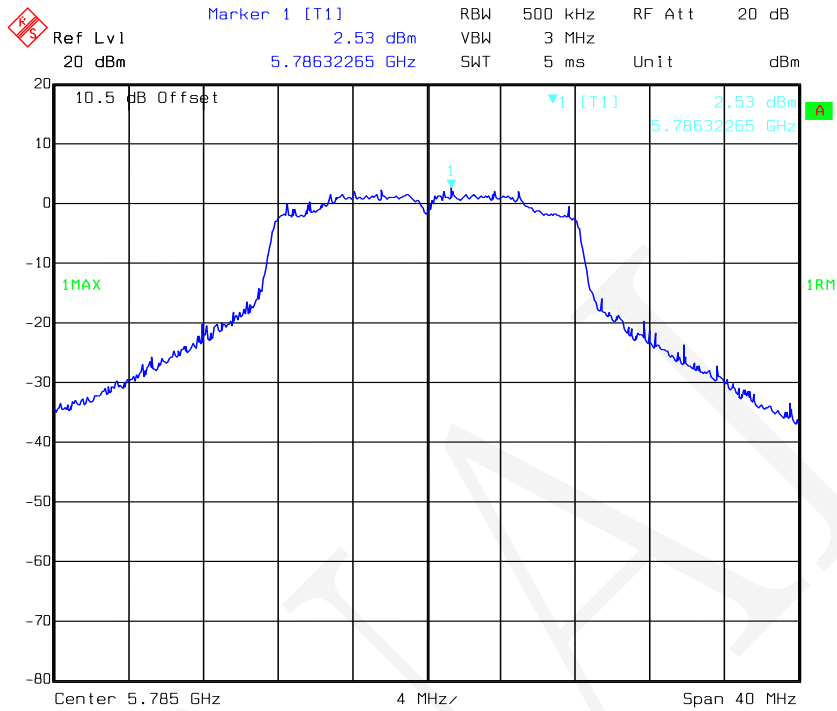
Date: 29.MAR.2018 17:57:04

802.11a mode, Power Spectral Density-5745 MHz, Antenna 2



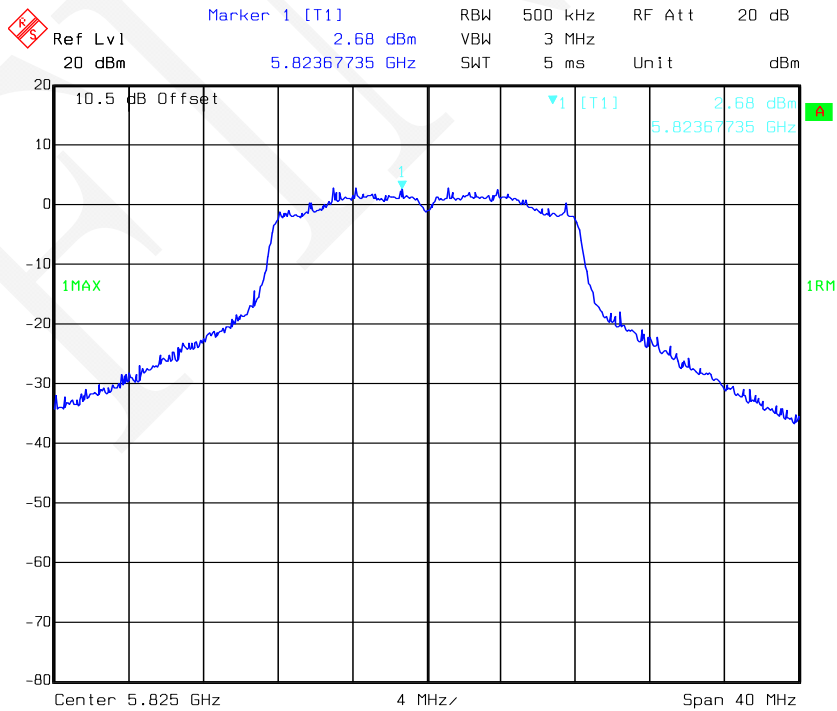
Date: 29.MAR.2018 19:11:42

802.11a mode, Power Spectral Density-5785 MHz, Antenna 2



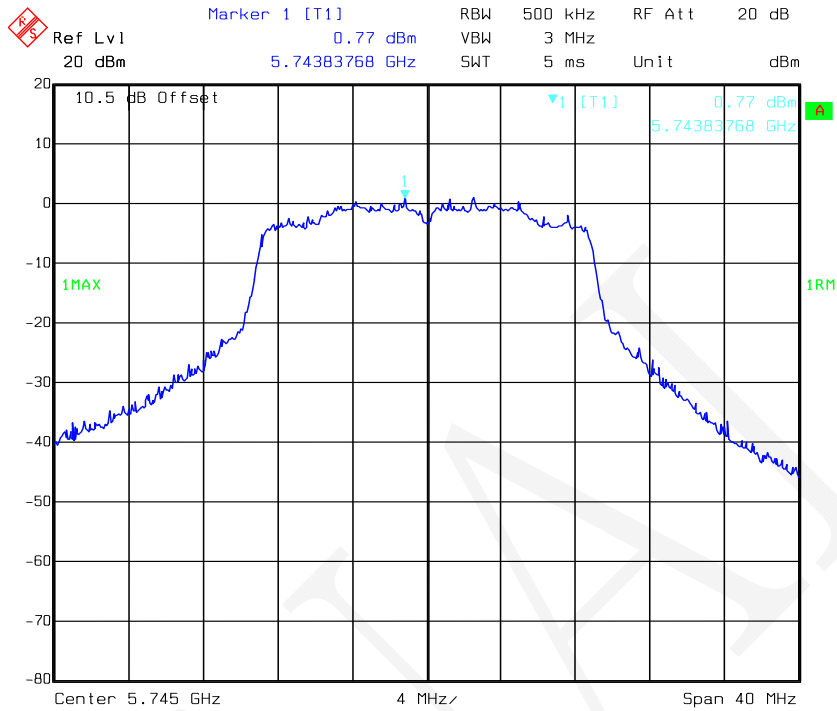
Date: 29.MAR.2018 19:12:26

802.11a mode, Power Spectral Density-5825 MHz, Antenna 2



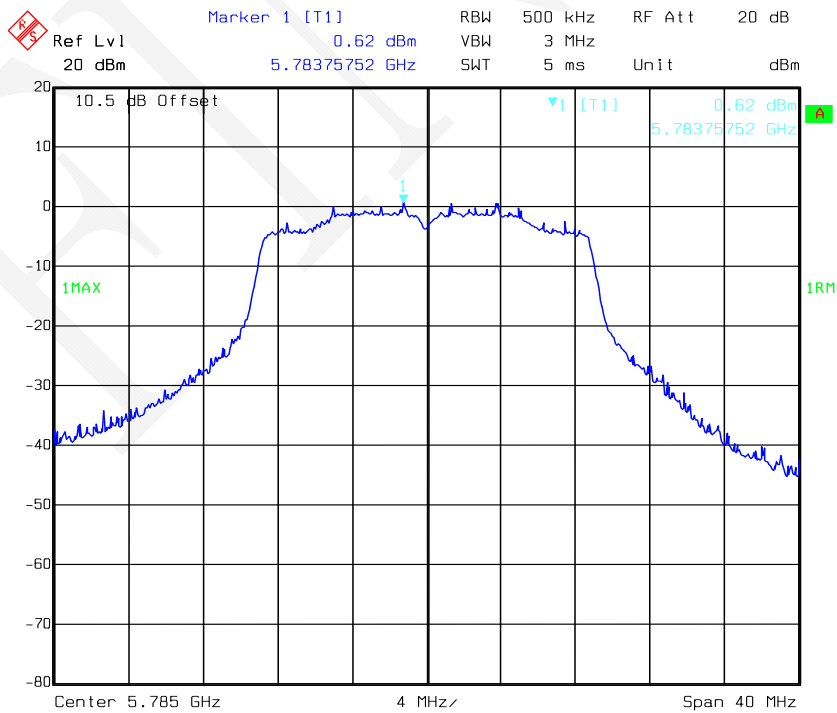
Date: 29.MAR.2018 19:13:15

802.11n-HT20 mode, Power Spectral Density-5745 MHz, Antenna 1



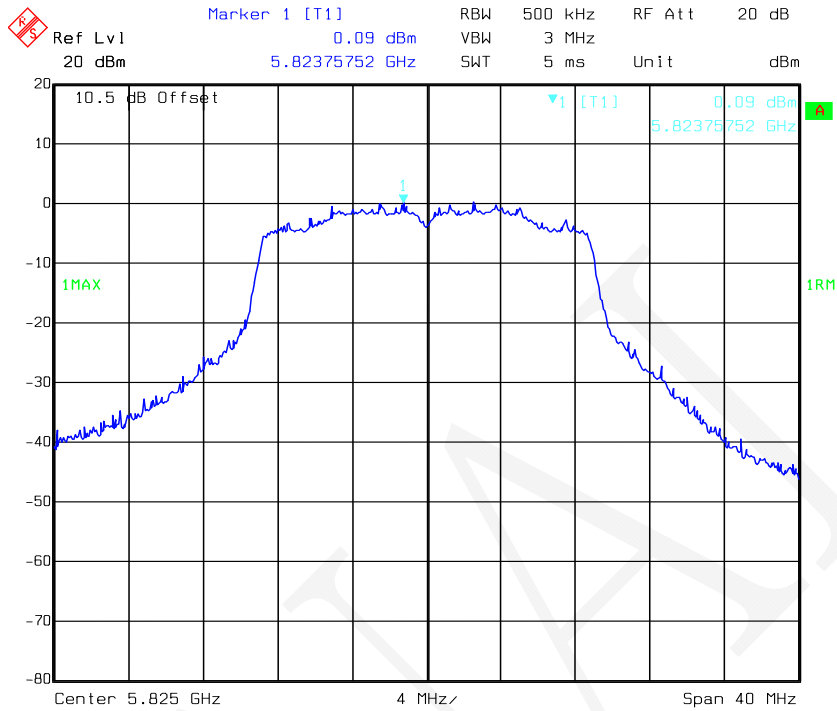
Date: 29.MAR.2018 17:57:49

802.11n-HT20 mode, Power Spectral Density-5785 MHz, Antenna 1



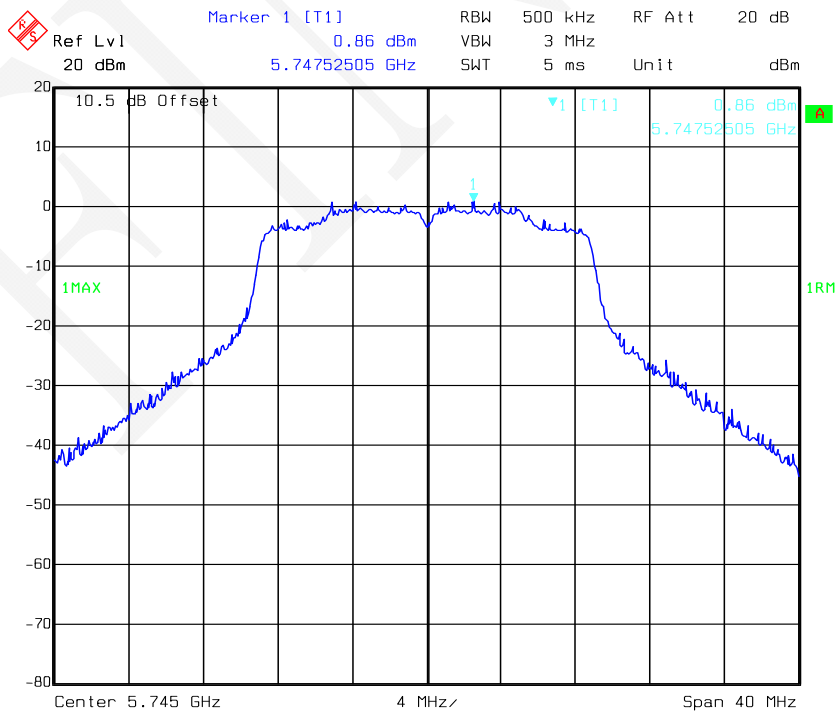
Date: 29.MAR.2018 17:58:21

802.11n-HT20 mode, Power Spectral Density-5825 MHz, Antenna 1



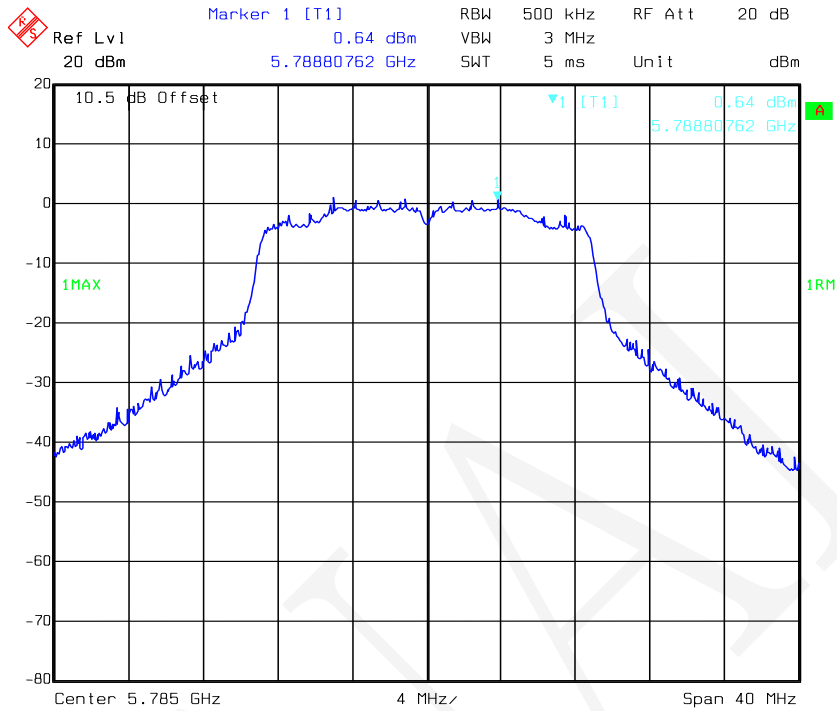
Date: 29.MAR.2018 17:58:55

802.11n-HT20 mode, Power Spectral Density-5745 MHz, Antenna 2



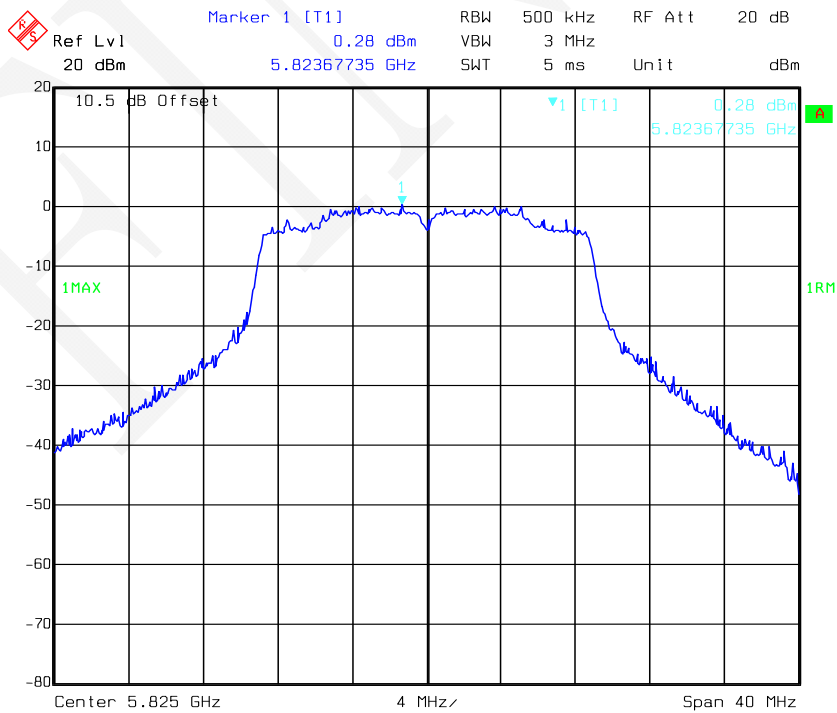
Date: 29.MAR.2018 19:15:07

802.11n-HT20 mode, Power Spectral Density-5785 MHz, Antenna 2



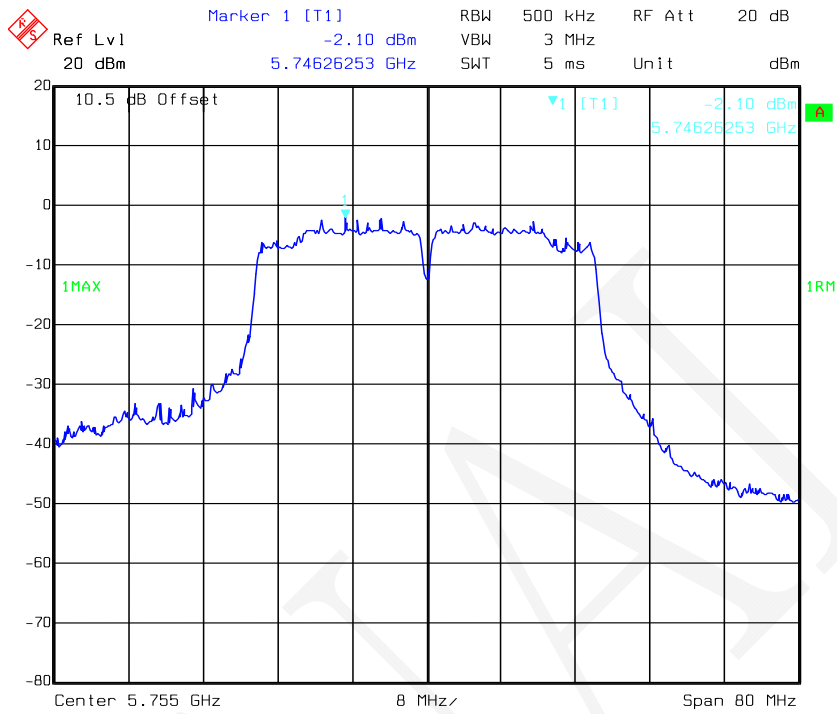
Date: 29.MAR.2018 19:16:01

802.11n-HT20 mode, Power Spectral Density-5825 MHz, Antenna 2



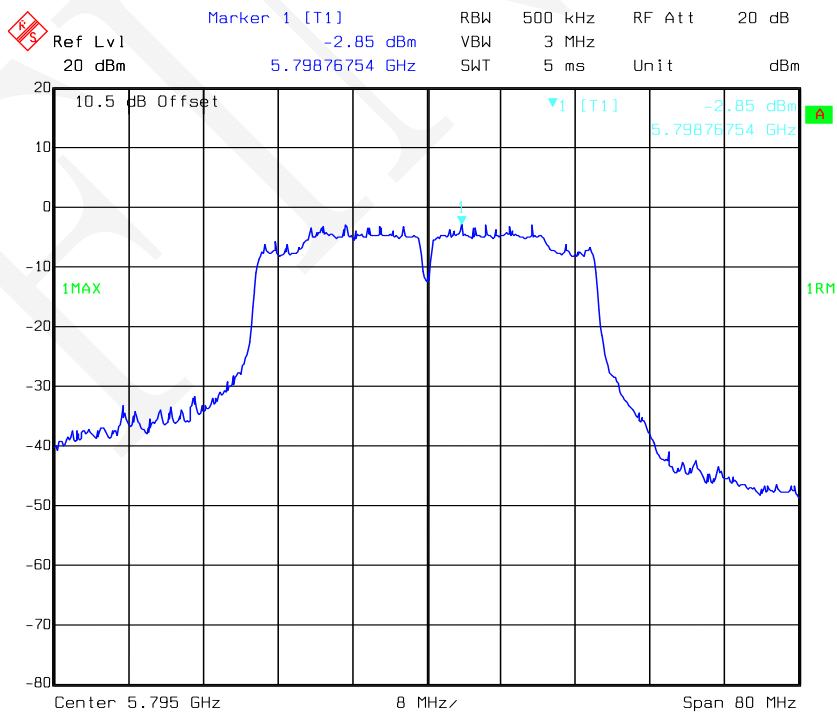
Date: 29.MAR.2018 19:16:45

802.11n-HT40 mode, Power Spectral Density-5755 MHz, Antenna 1



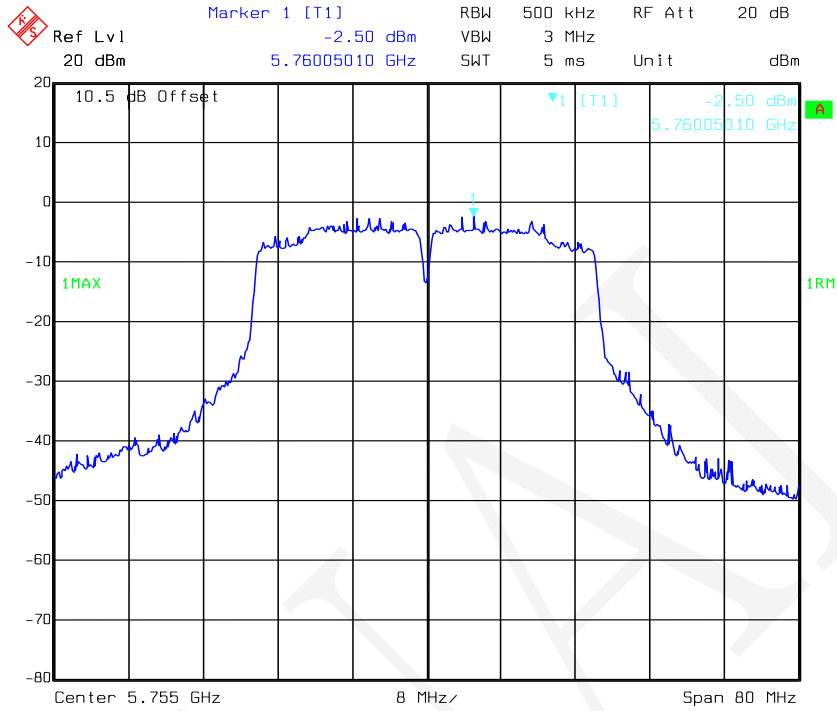
Date: 29.MAR.2018 18:00:05

802.11n-HT40 mode, Power Spectral Density-5795 MHz, Antenna 1



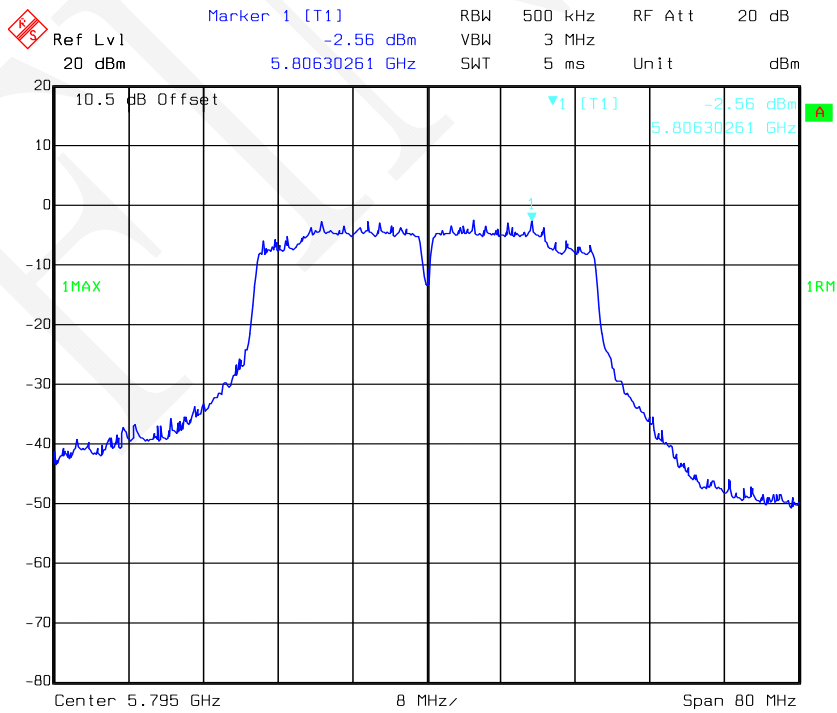
Date: 29.MAR.2018 18:00:38

802.11n-HT40 mode, Power Spectral Density-5755 MHz, Antenna 2



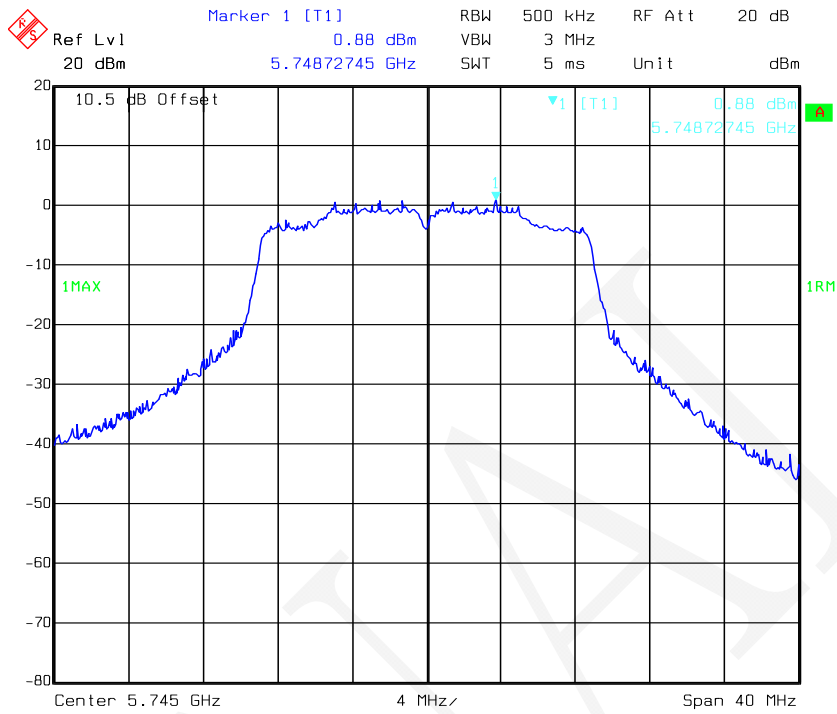
Date: 29.MAR.2018 19:18:16

802.11n-HT40 mode, Power Spectral Density-5795 MHz, Antenna 2



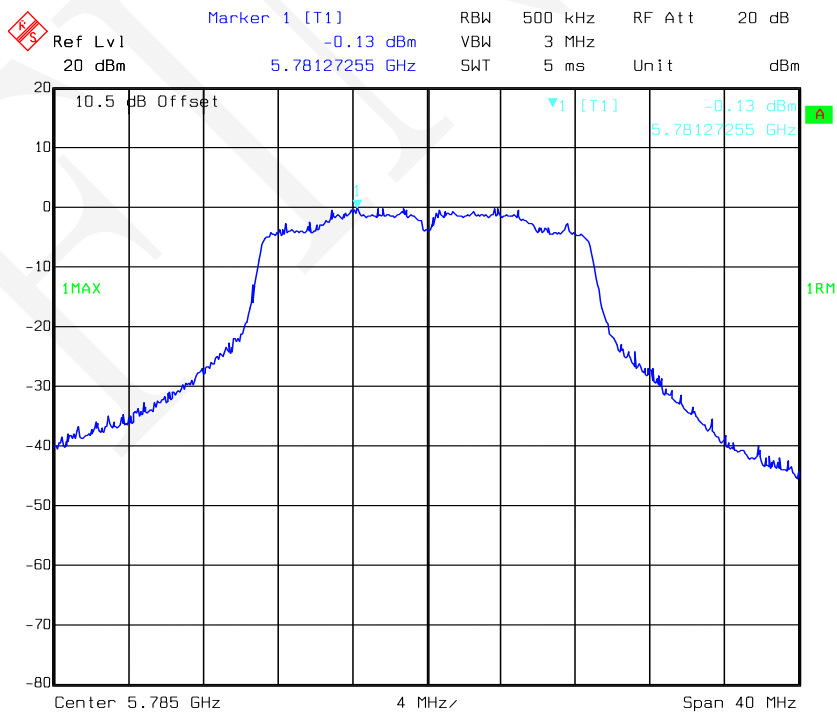
Date: 29.MAR.2018 19:18:51

802.11ac20 mode, Power Spectral Density-5745 MHz, Antenna 1



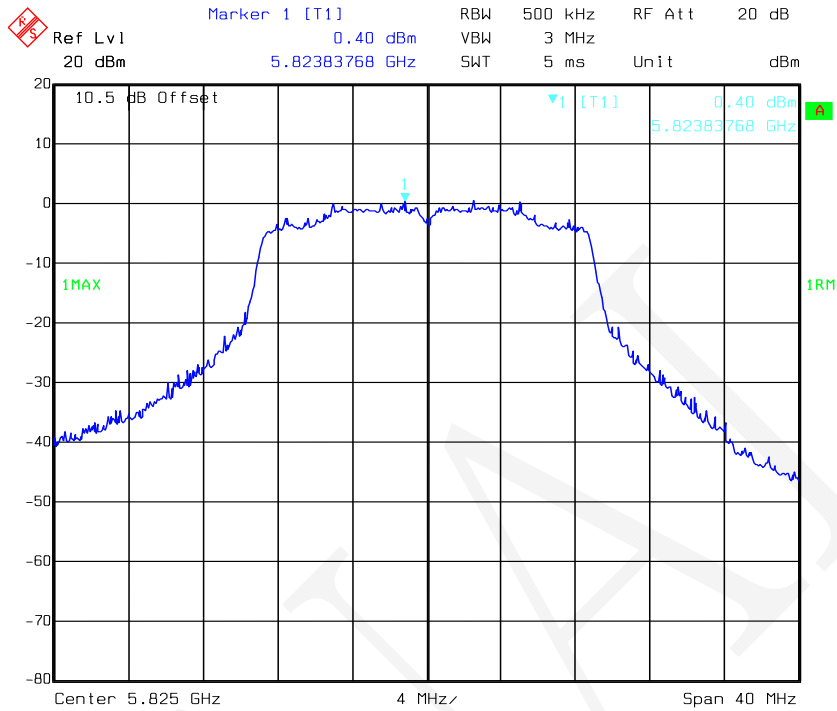
Date: 29.MAR.2018 18:01:20

802.11ac20 mode, Power Spectral Density-5785 MHz, Antenna 1



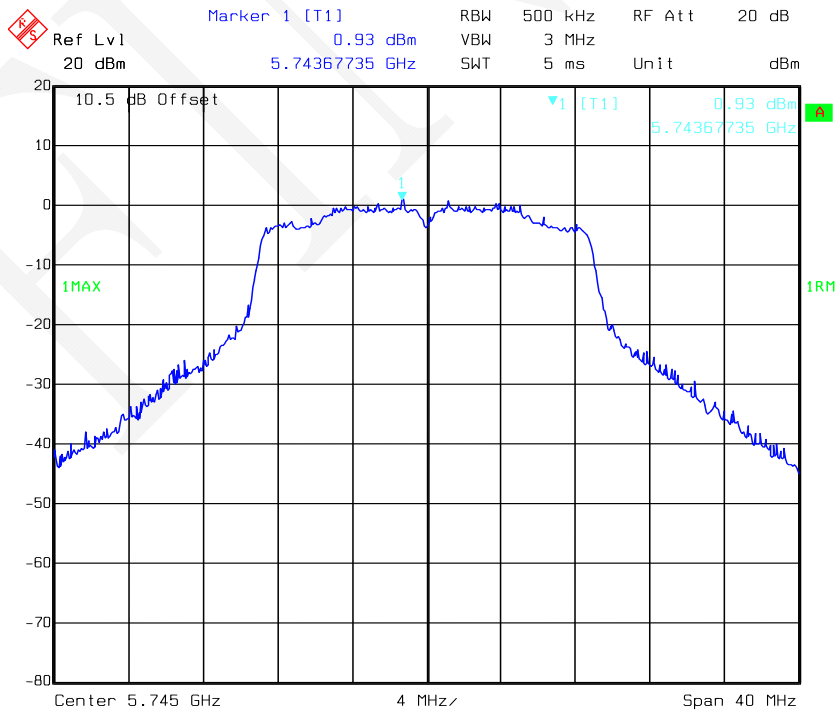
Date: 29.MAR.2018 18:01:49

802.11ac20 mode, Power Spectral Density-5825 MHz, Antenna 1



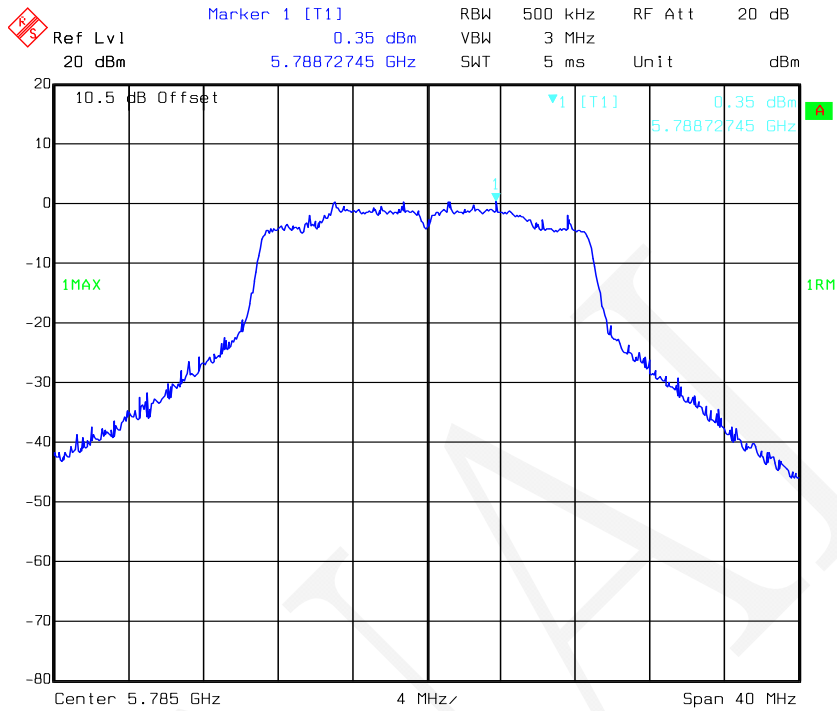
Date: 29.MAR.2018 18:02:20

802.11ac20 mode, Power Spectral Density-5745 MHz, Antenna 2



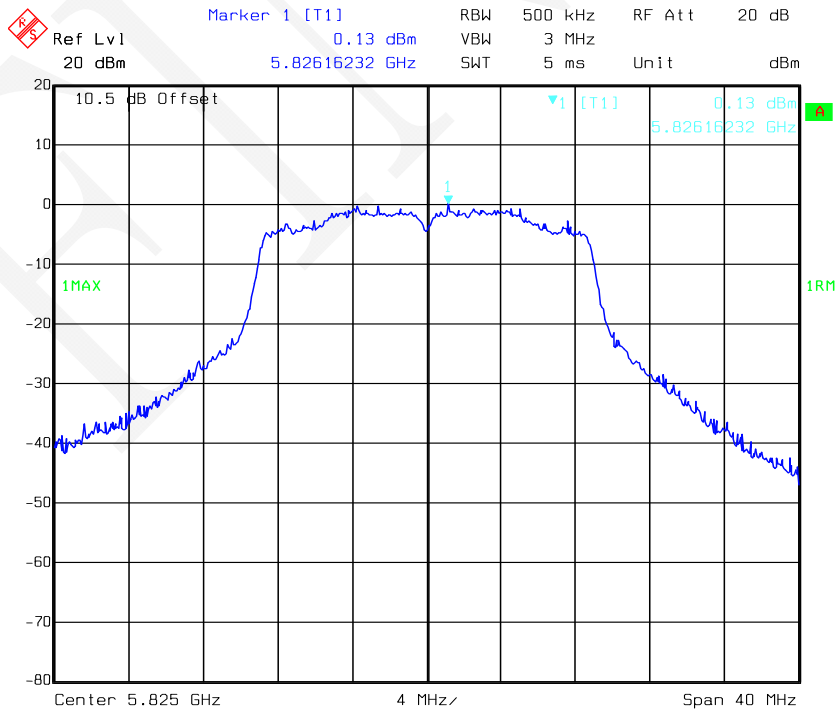
Date: 29.MAR.2018 19:19:31

802.11ac20 mode, Power Spectral Density-5785 MHz, Antenna 2



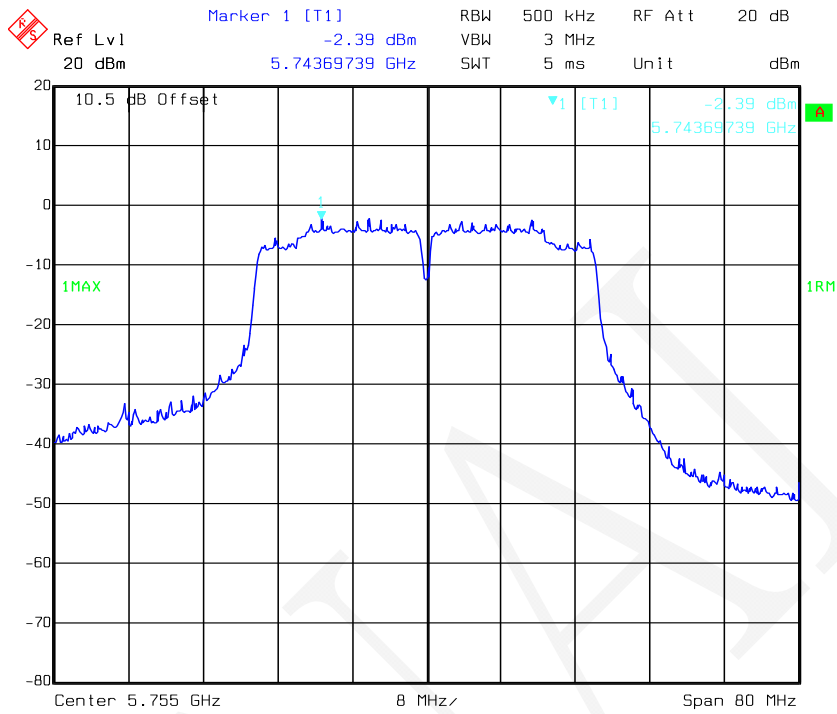
Date: 29.MAR.2018 19:19:58

802.11ac20 mode, Power Spectral Density-5825 MHz, Antenna 2



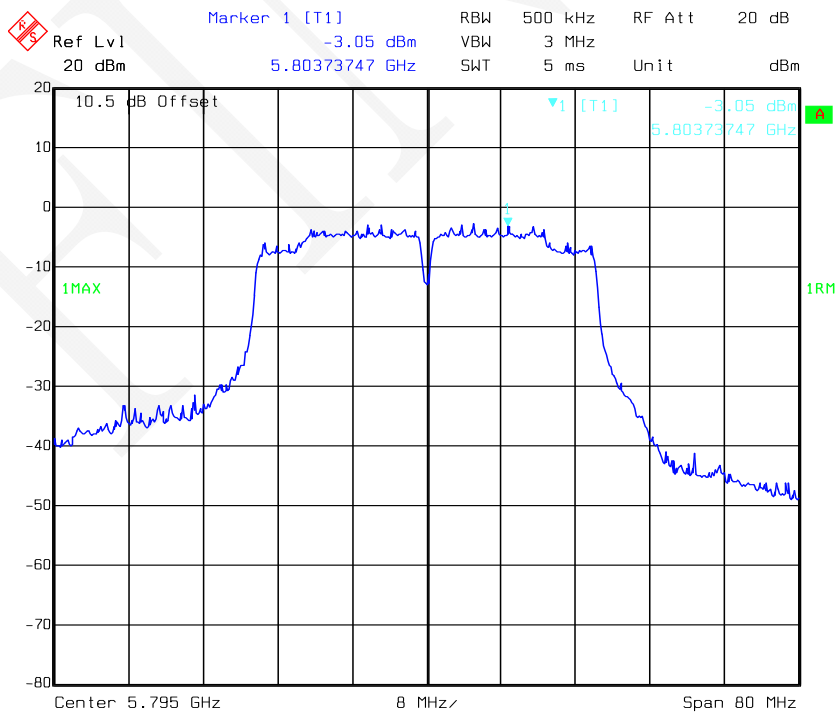
Date: 29.MAR.2018 19:20:23

802.11ac40 mode, Power Spectral Density-5755 MHz, Antenna 1



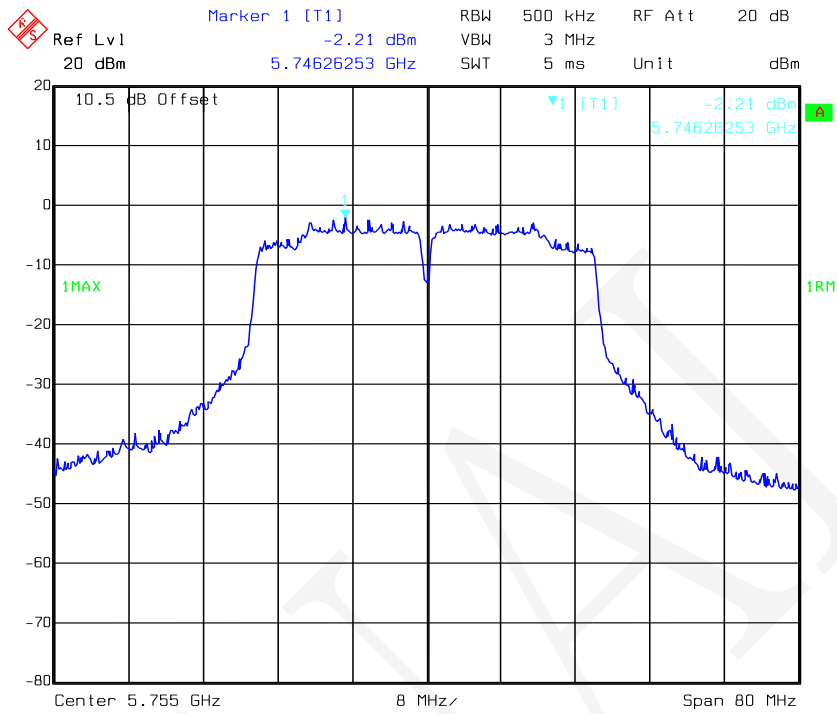
Date: 29.MAR.2018 18:03:05

802.11ac40 mode, Power Spectral Density-5795 MHz, Antenna 1



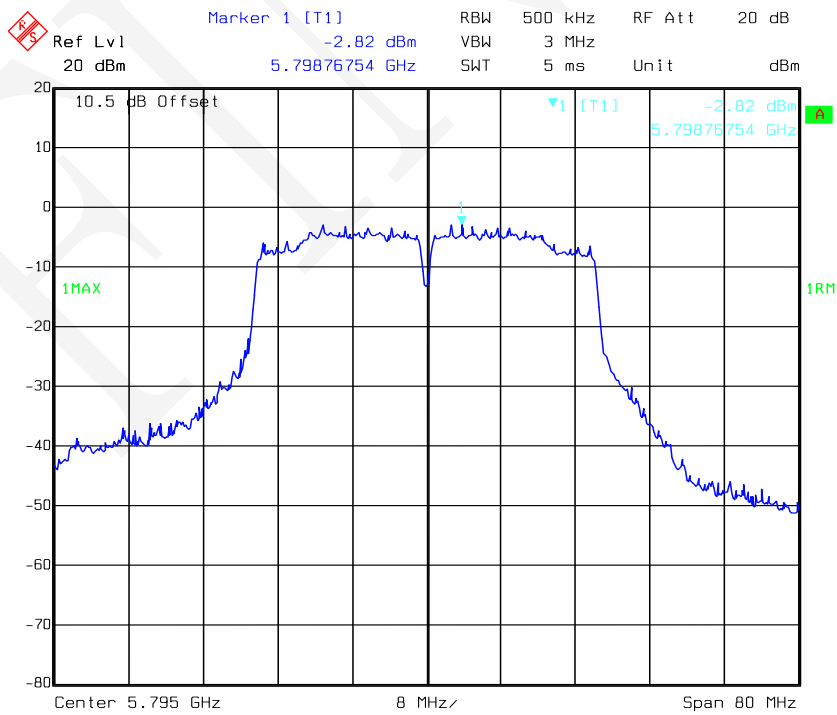
Date: 29.MAR.2018 18:03:35

802.11ac40 mode, Power Spectral Density-5755 MHz, Antenna 2



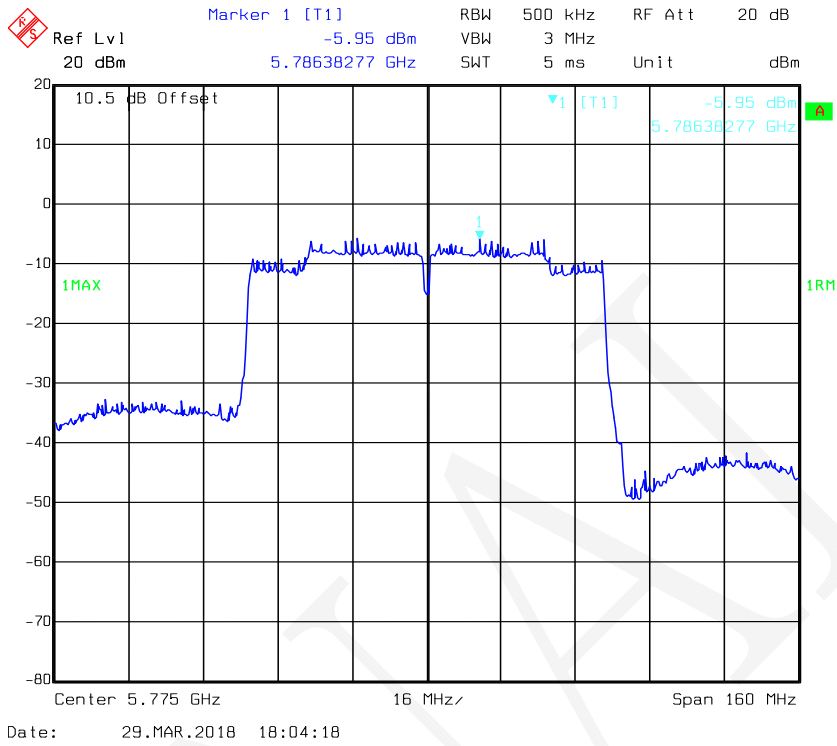
Date: 29.MAR.2018 19:21:12

802.11ac40 mode, Power Spectral Density-5795 MHz, Antenna 2

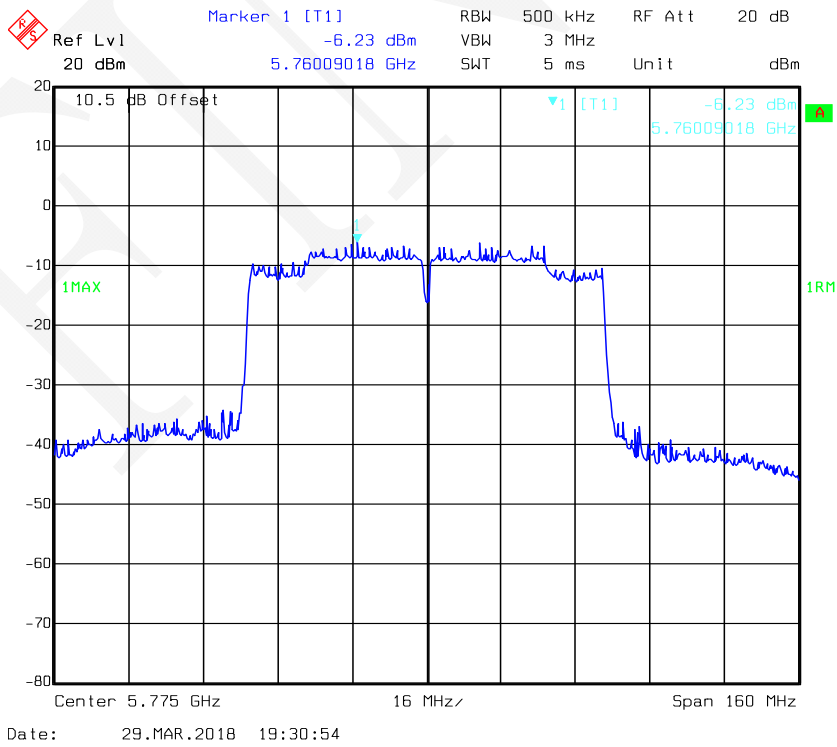


Date: 29.MAR.2018 19:21:39

802.11ac80 mode, Power Spectral Density-5775 MHz, Antenna 1



802.11ac80 mode, Power Spectral Density-5775 MHz, Antenna 2



For 8265NGW Module

For 5150-5250 MHz:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total (dBm/MHz)		Limit (dBm/MHz)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5180	2.89	2.41	0.08	2.97	2.49	11
	Middle	5200	2.05	2.26	0.08	2.13	2.34	11
	High	5240	2.43	2.30	0.08	2.51	2.38	11

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total (dBm/MHz)	Limit (dBm/MHz)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5180	2.35	2.24	0.04	5.35	10.3
	Middle	5200	1.96	2.17	0.04	5.12	10.3
	High	5240	1.98	2.11	0.04	5.10	10.3
802.11n-HT40	Low	5190	-1.32	-1.10	0.09	1.89	10.3
	High	5230	-2.06	-1.66	0.09	1.24	10.3
802.11ac20	Low	5180	2.58	1.97	0.04	5.34	10.3
	Middle	5200	2.04	2.21	0.04	5.18	10.3
	High	5240	2.25	2.02	0.04	5.19	10.3
802.11ac40	Low	5190	-0.97	-1.36	0.09	1.76	10.3
	High	5230	-2.17	-1.63	0.09	1.21	10.3
802.11ac80	-	5210	-4.29	-3.94	0.35	-0.75	10.3

Note:

1. The max antenna gain is 3.7dBi.
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices:

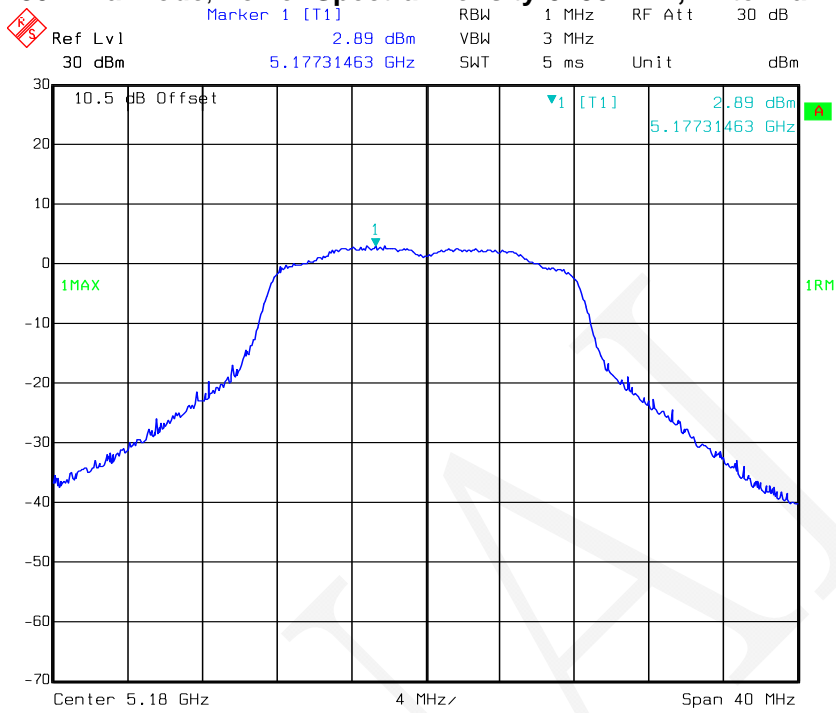
$$\text{Array Gain} = 10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}}) \text{dB}$$

So:

$$\text{Directional gain} = G_{\text{ANT}} + \text{Array Gain} = 3.7 + 10 \cdot \log(2) = 6.7 \text{dBi} > 6 \text{dBi}$$

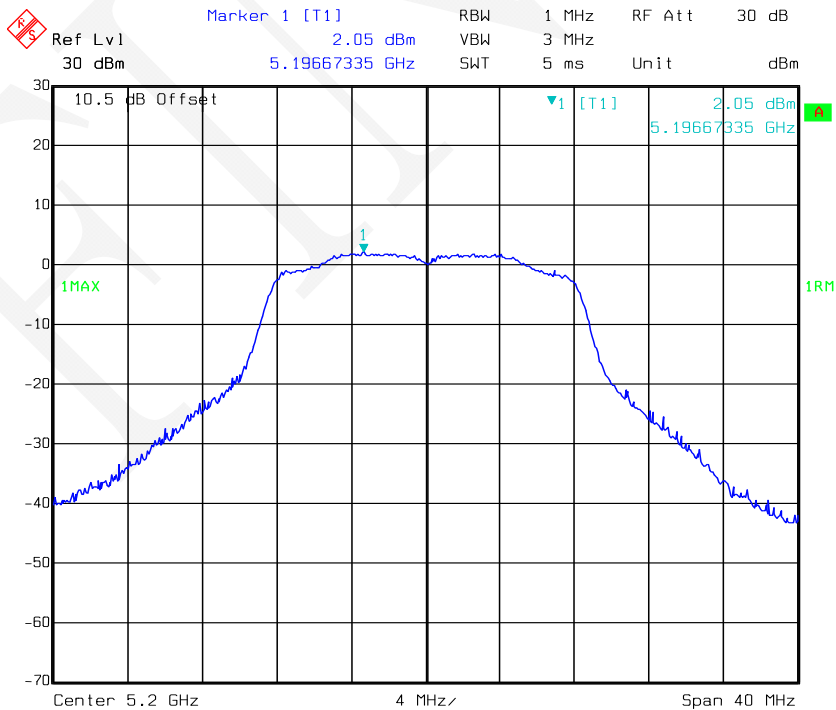
The power density Limit was reduced 0.7dB in MIMO mode.

802.11a mode, Power Spectral Density-5180 MHz, Antenna 1



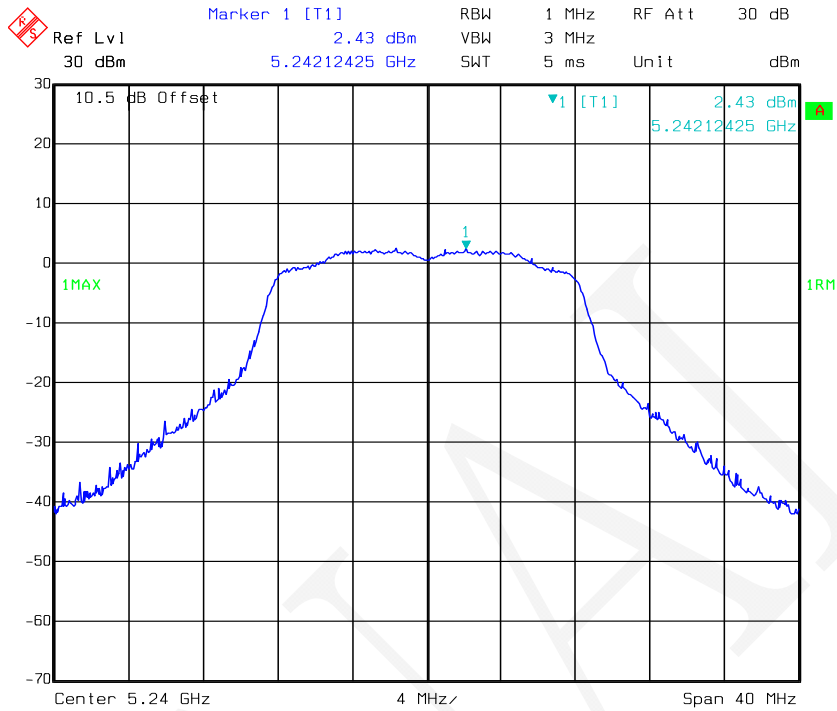
Date: 03.APR.2018 13:39:33

802.11a mode, Power Spectral Density-5200 MHz, Antenna 1

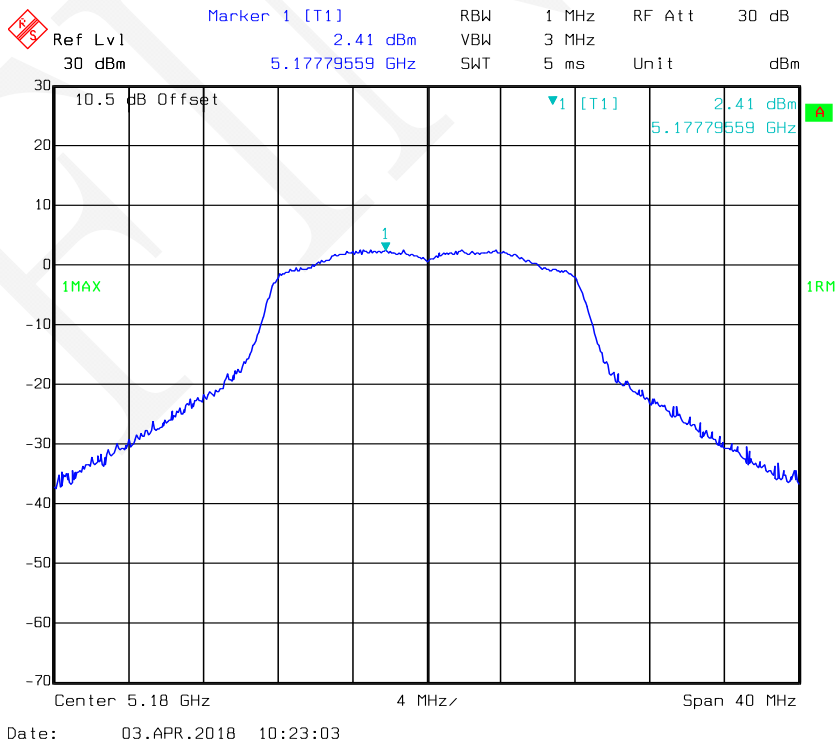


Date: 03.APR.2018 13:41:11

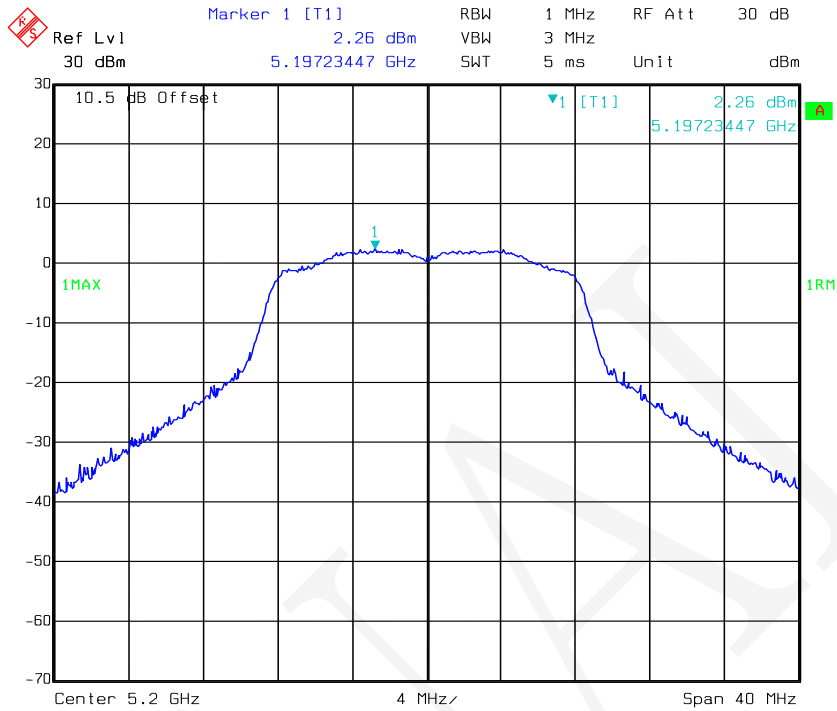
802.11a mode, Power Spectral Density-5240 MHz, Antenna 1



802.11a mode, Power Spectral Density-5180 MHz, Antenna 2

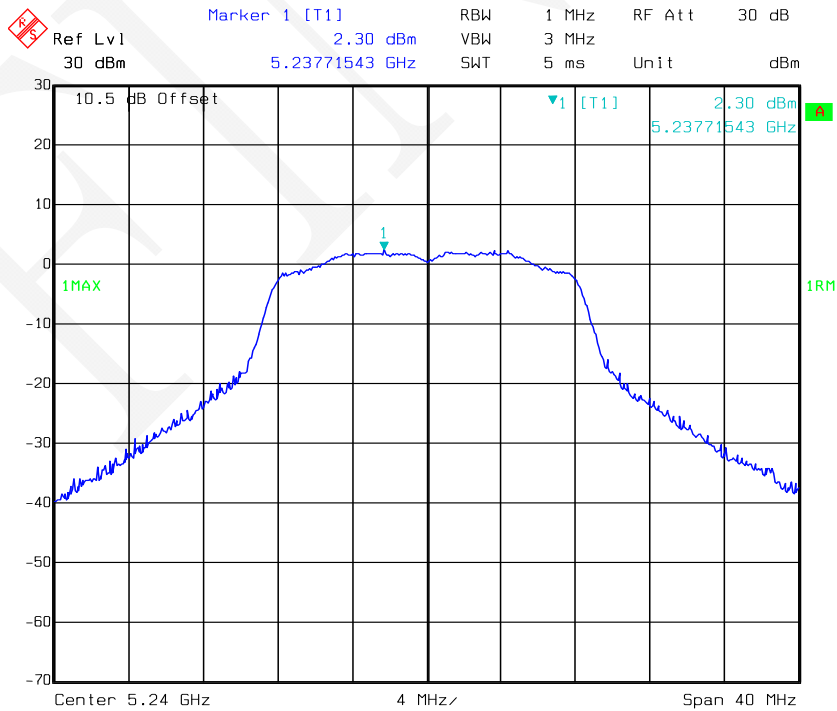


802.11a mode, Power Spectral Density-5200 MHz, Antenna 2



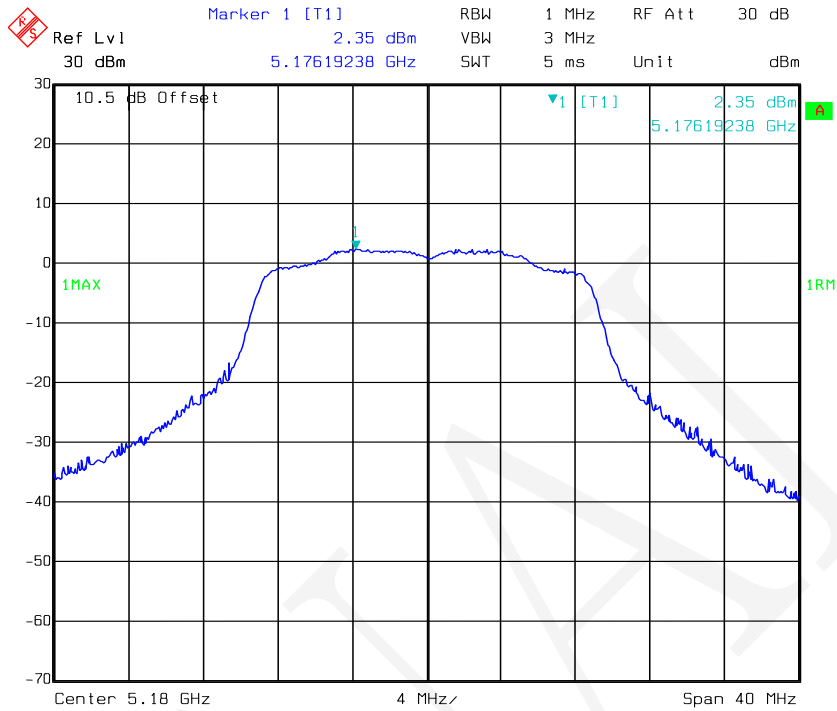
Date: 03.APR.2018 10:27:19

802.11a mode, Power Spectral Density-5240 MHz, Antenna 2



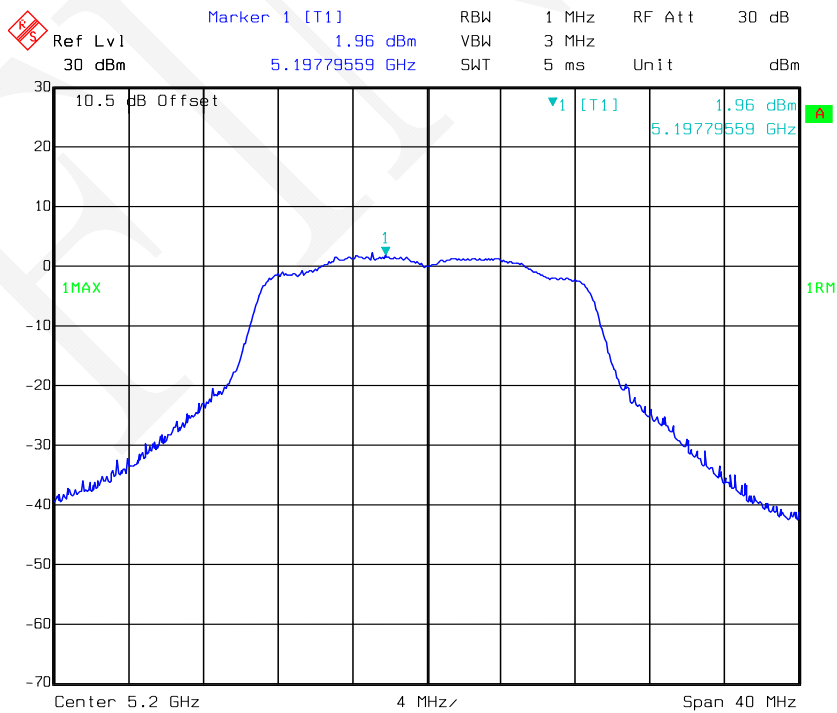
Date: 03.APR.2018 10:28:55

802.11n-HT20 mode, Power Spectral Density-5180 MHz, Antenna 1



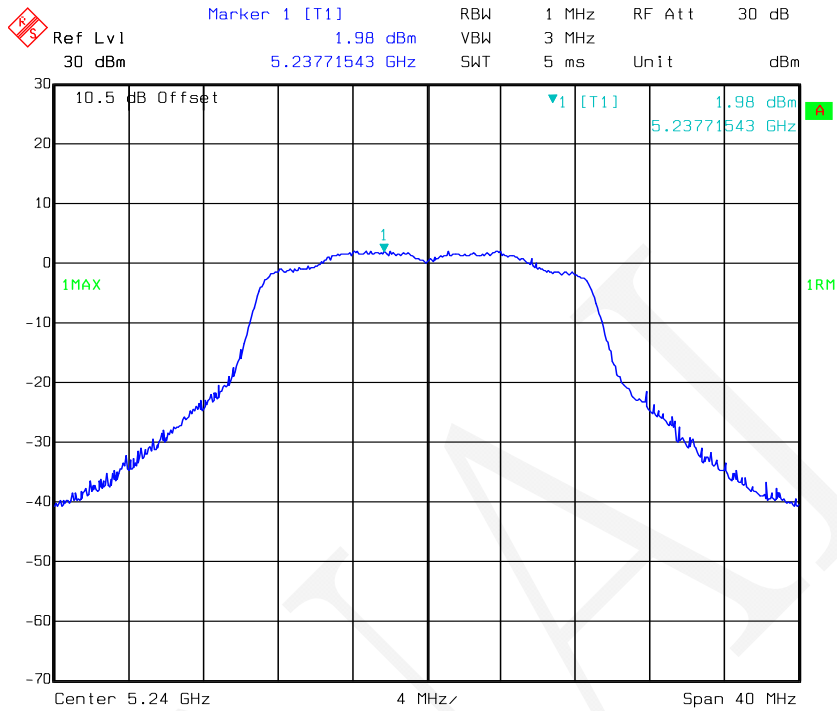
Date: 03.APR.2018 13:47:17

802.11n-HT20 mode, Power Spectral Density-5200 MHz, Antenna 1



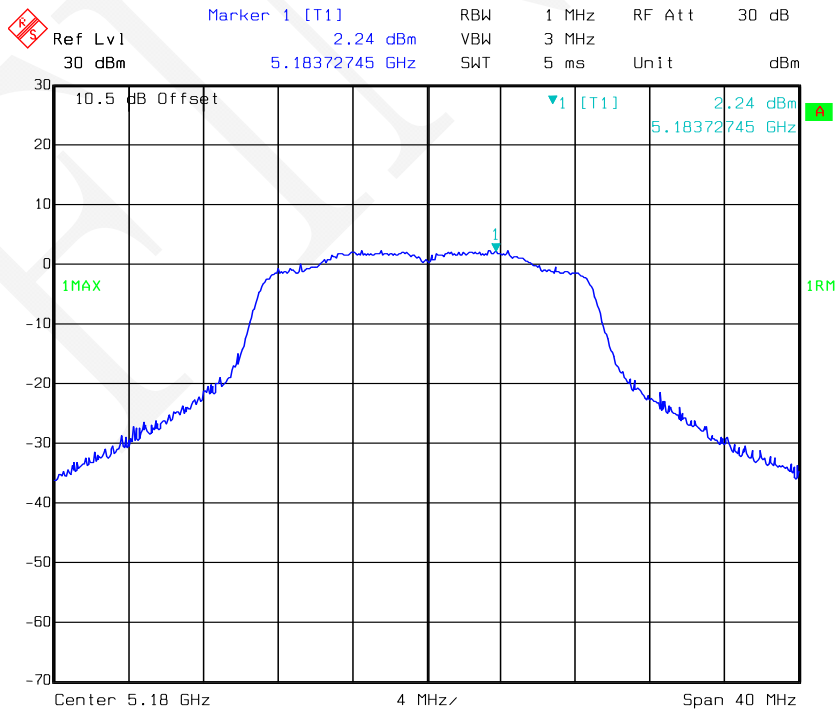
Date: 03.APR.2018 13:45:46

802.11n-HT20 mode, Power Spectral Density-5240 MHz, Antenna 1



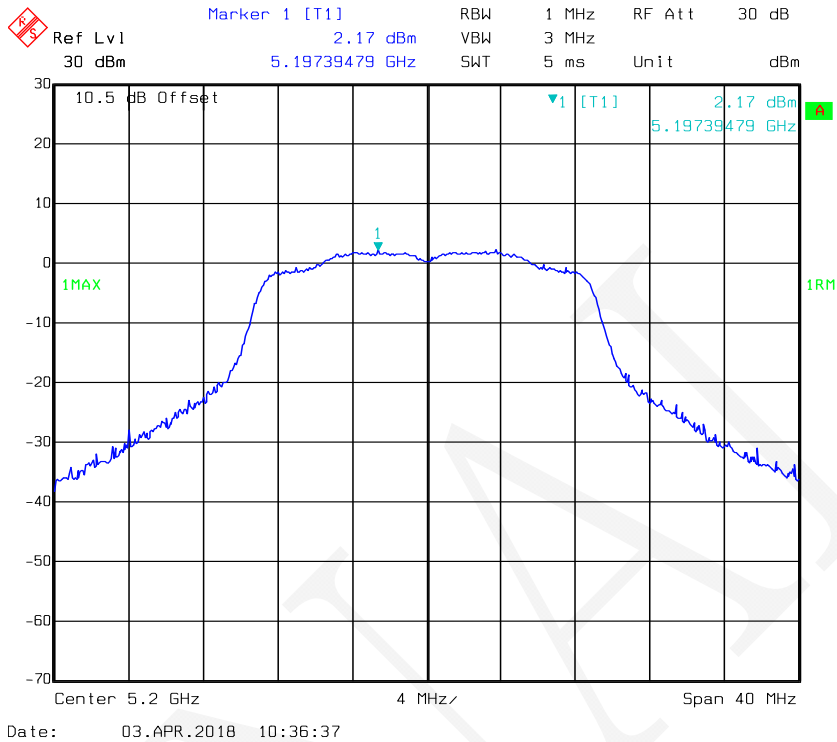
Date: 03.APR.2018 13:44:13

802.11n-HT20 mode, Power Spectral Density-5180 MHz, Antenna 2

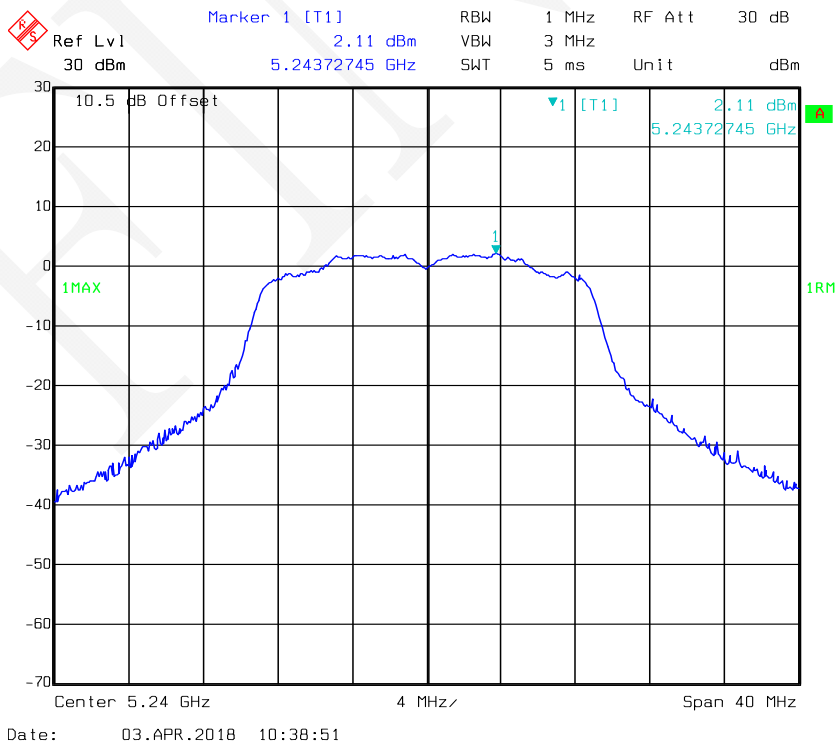


Date: 03.APR.2018 10:33:21

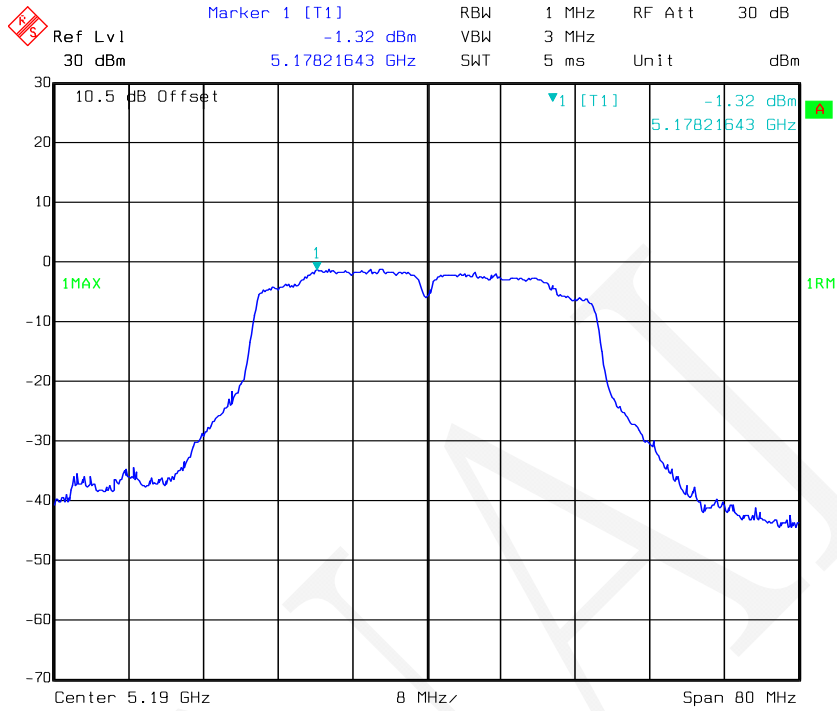
802.11n-HT20 mode, Power Spectral Density-5200 MHz, Antenna 2



802.11n-HT20 mode, Power Spectral Density-5240 MHz, Antenna 2

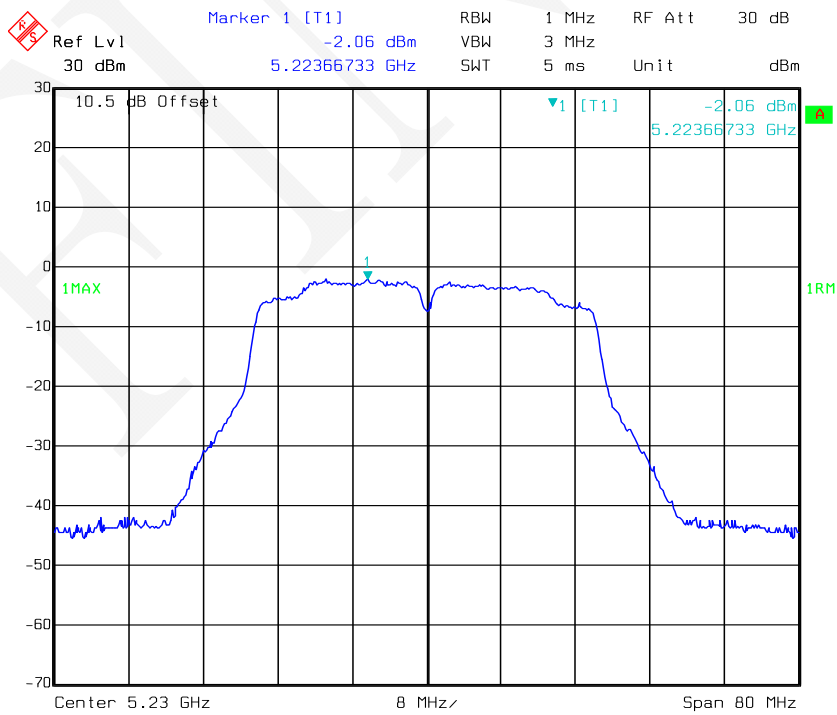


802.11n-HT40 mode, Power Spectral Density-5190 MHz, Antenna 1



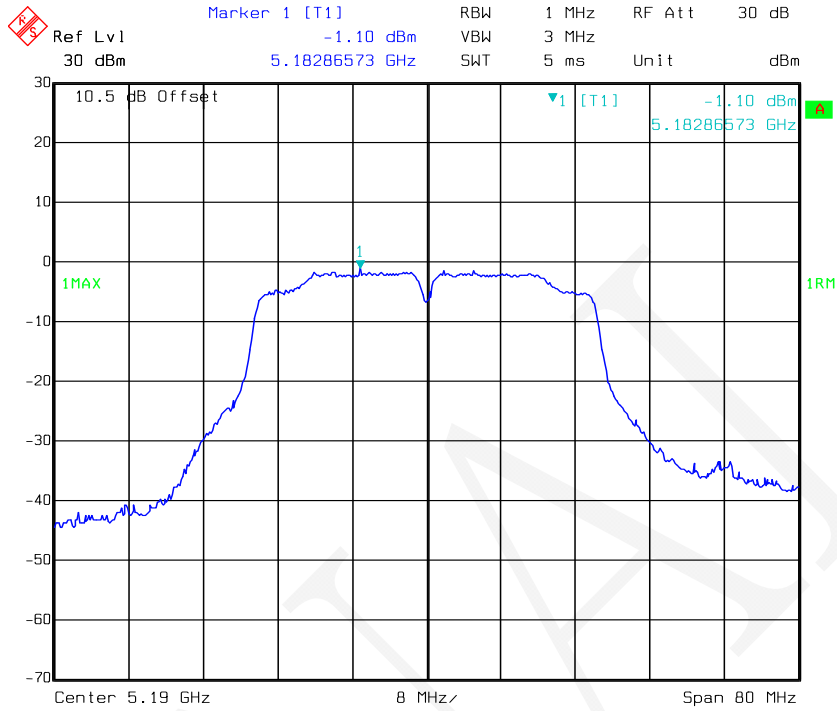
Date: 03.APR.2018 14:14:09

802.11n-HT40 mode, Power Spectral Density-5230 MHz, Antenna 1



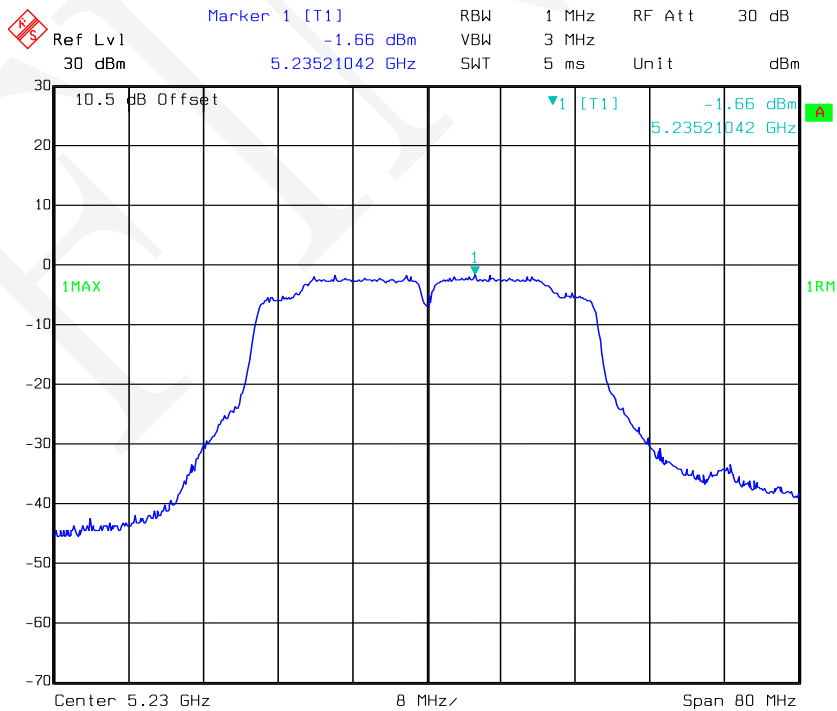
Date: 03.APR.2018 14:33:58

802.11n-HT40 mode, Power Spectral Density-5190 MHz, Antenna 2



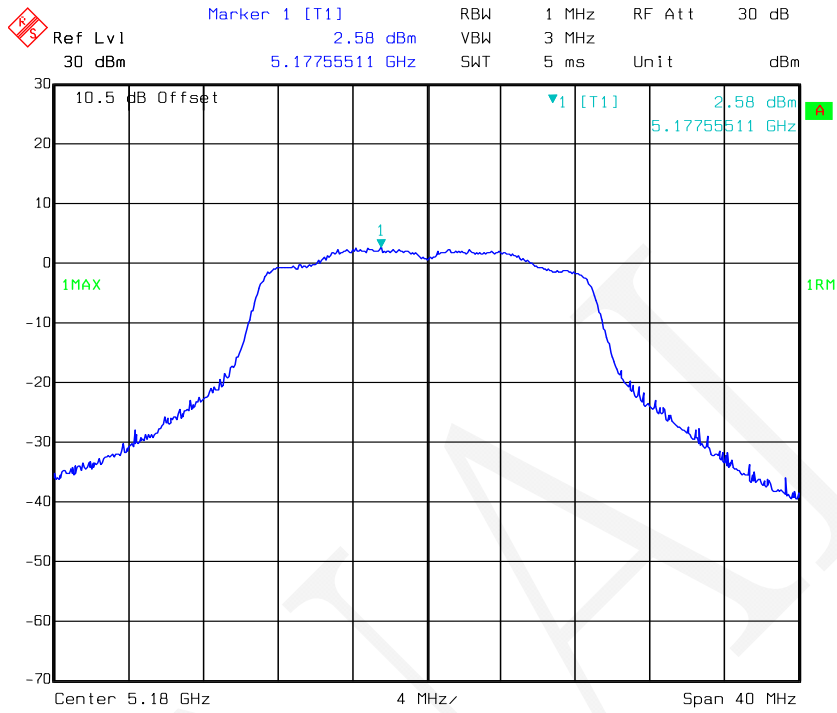
Date: 03.APR.2018 12:12:51

802.11n-HT40 mode, Power Spectral Density-5230 MHz, Antenna 2

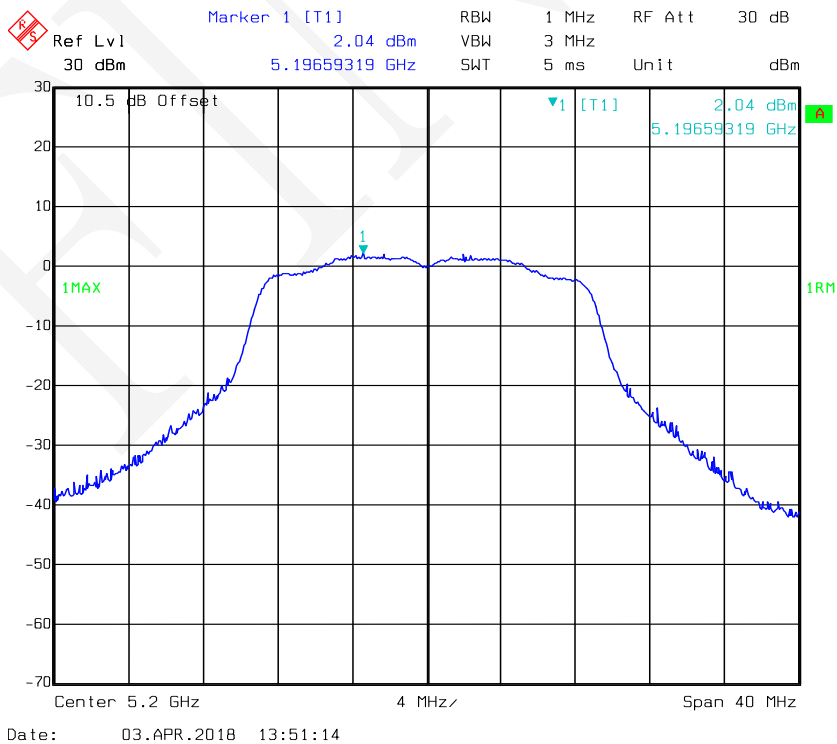


Date: 03.APR.2018 12:14:47

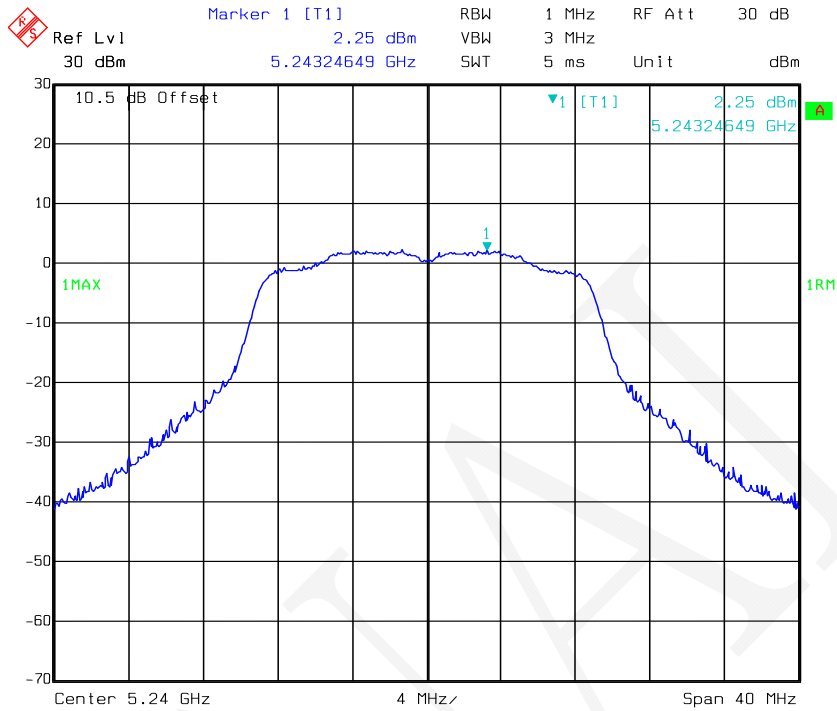
802.11ac20 mode, Power Spectral Density-5180 MHz, Antenna 1



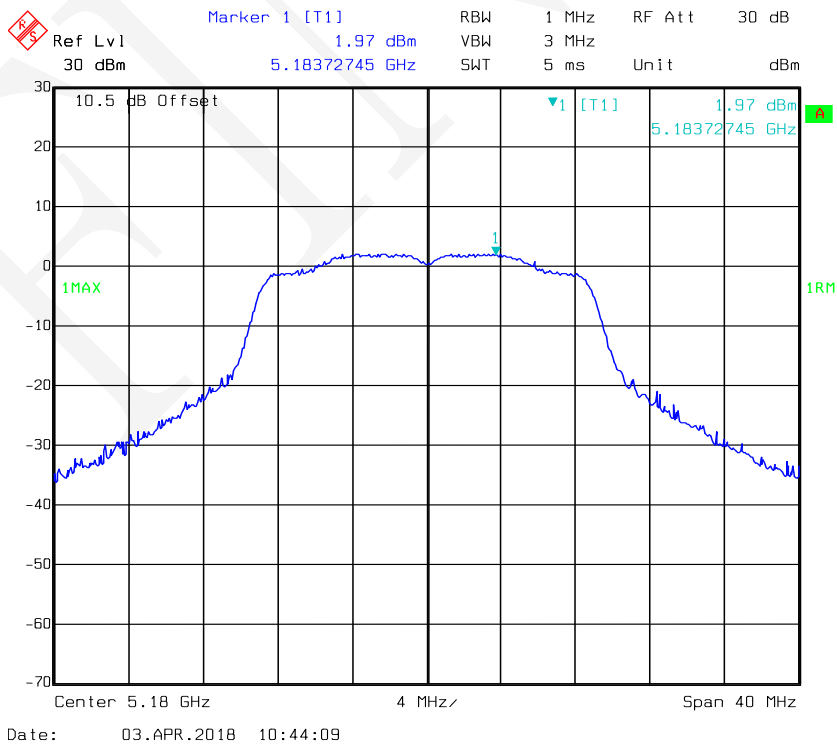
802.11ac20 mode, Power Spectral Density-5200 MHz, Antenna 1



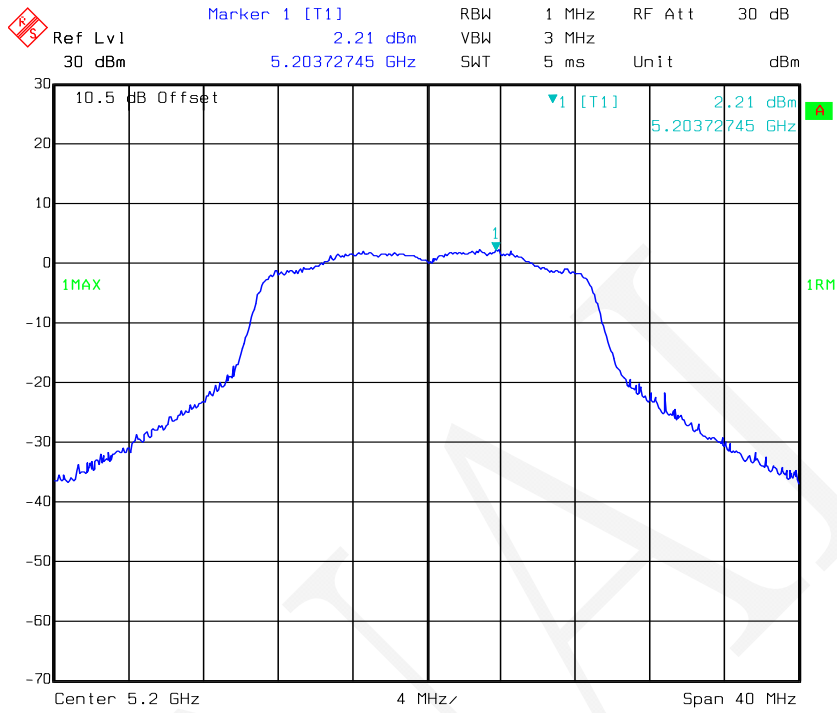
802.11ac20 mode, Power Spectral Density-5240 MHz, Antenna 1



802.11ac20 mode, Power Spectral Density-5180 MHz, Antenna 2

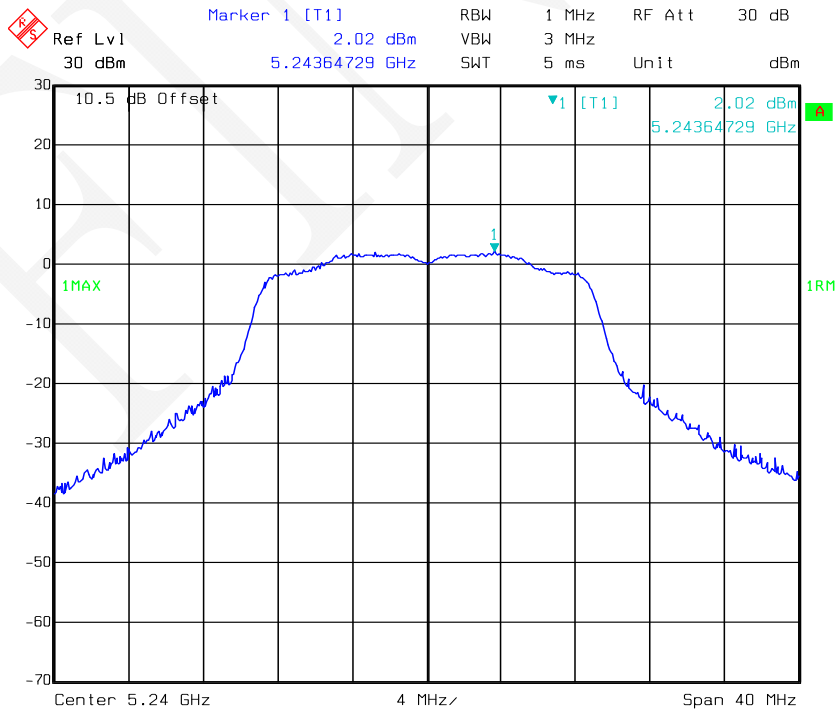


802.11ac20 mode, Power Spectral Density-5200 MHz, Antenna 2



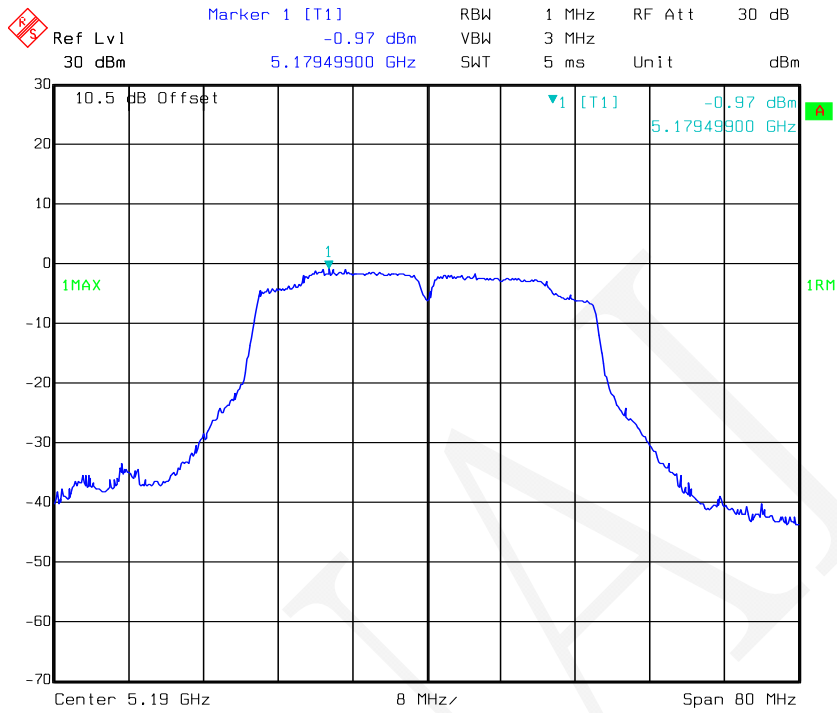
Date: 03.APR.2018 10:48:10

802.11ac20 mode, Power Spectral Density-5240 MHz, Antenna 2



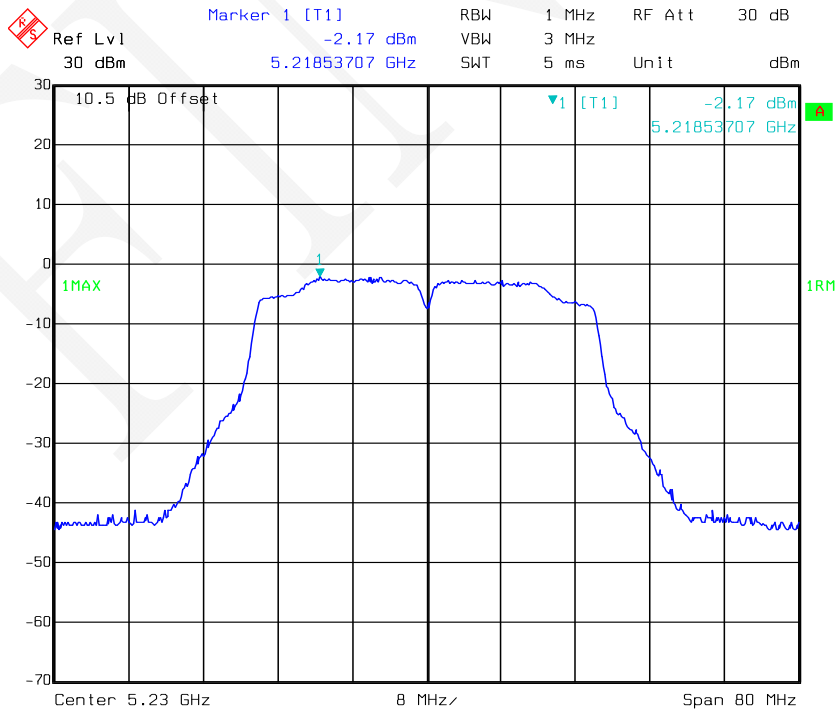
Date: 03.APR.2018 10:50:14

802.11ac40 mode, Power Spectral Density-5190 MHz, Antenna 1



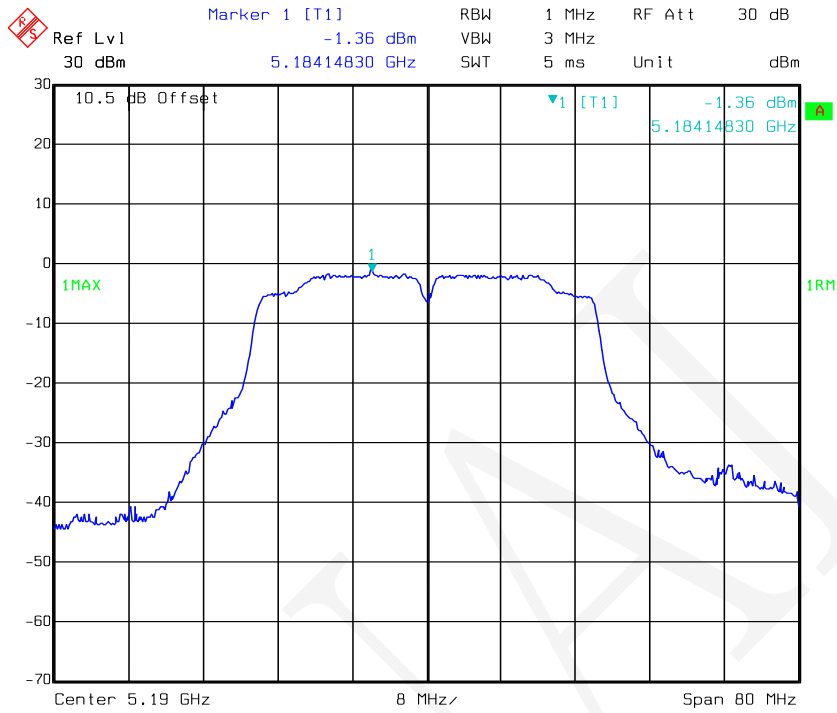
Date: 03.APR.2018 14:07:58

802.11ac40 mode, Power Spectral Density-5230 MHz, Antenna 1



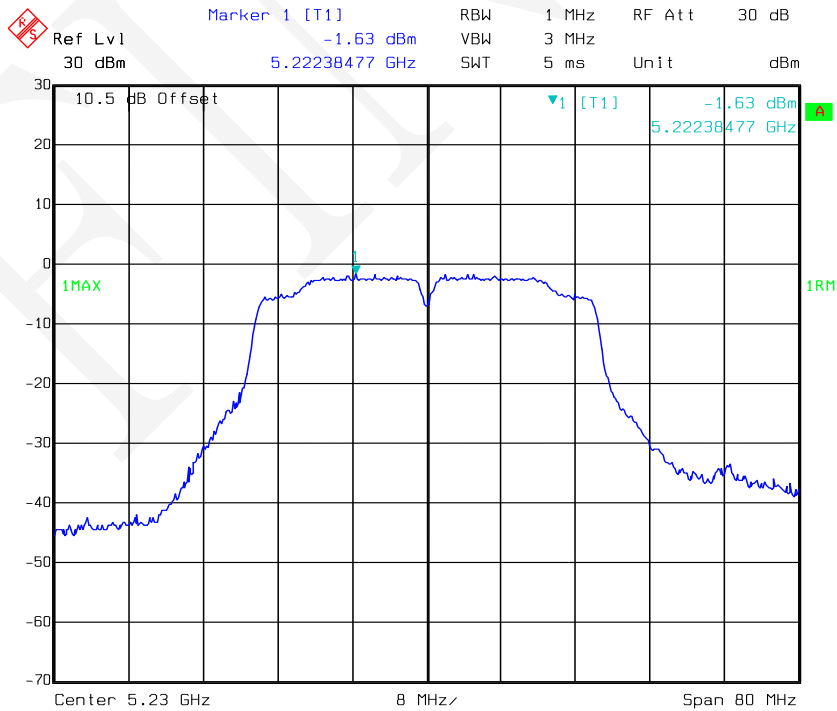
Date: 03.APR.2018 14:09:26

802.11ac40 mode, Power Spectral Density-5190 MHz, Antenna 2



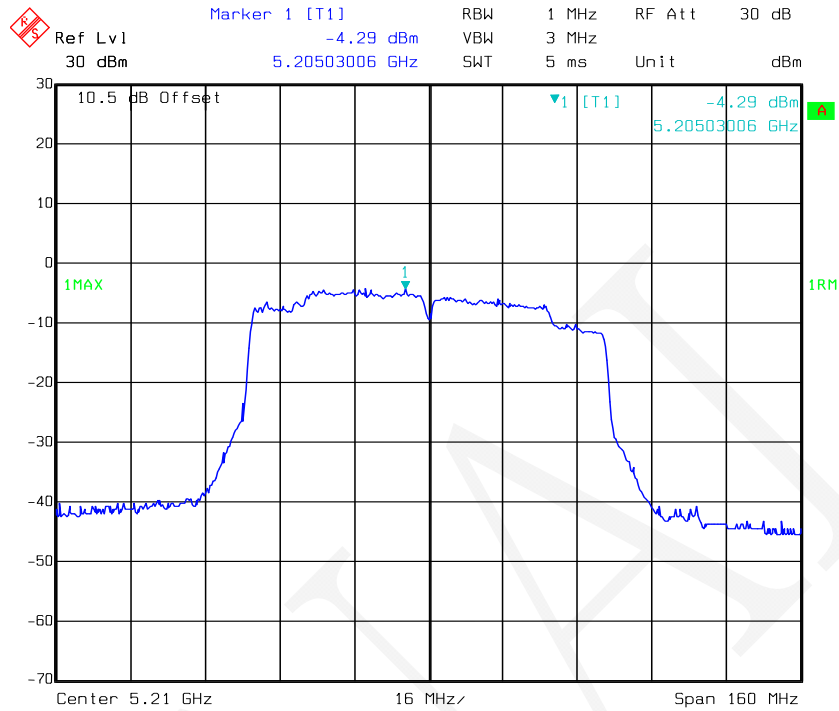
Date: 03.APR.2018 11:04:44

802.11ac40 mode, Power Spectral Density-5230 MHz, Antenna 2

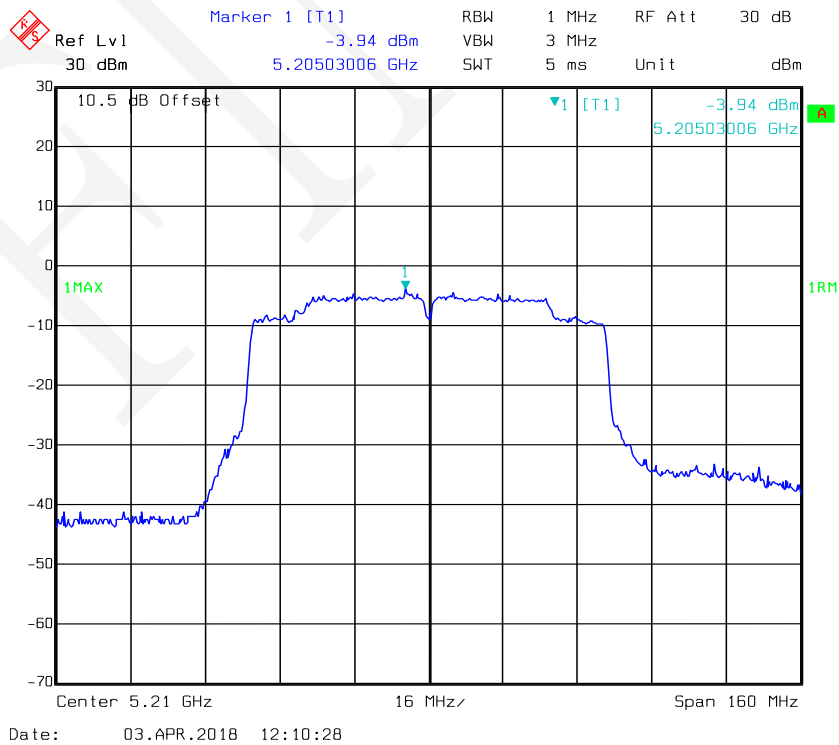


Date: 03.APR.2018 11:00:44

802.11ac 80 mode, Power Spectral Density-5210 MHz, Antenna 1



802.11ac 80 mode, Power Spectral Density-5210 MHz, Antenna 2



For 5725-5850 MHz:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor (dB)	Total (dBm/500kHz)		Limit (dBm/500kHz)
			Antenna 1	Antenna 2		Antenna 1	Antenna 2	
802.11a	Low	5745	2.31	2.49	0.08	2.39	2.57	29.3
	Middle	5785	2.65	2.86	0.08	2.73	2.94	29.3
	High	5825	2.72	1.70	0.08	2.80	1.78	29.3

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor (dB)	Total (dBm/500kHz)	Limit (dBm/500kHz)
			Antenna 1	Antenna 2			
802.11n-HT20	Low	5745	2.14	2.24	0.04	5.24	29.3
	Middle	5785	2.95	2.85	0.04	5.95	29.3
	High	5825	3.00	2.09	0.04	5.62	29.3
802.11n-HT40	Low	5755	-0.19	-0.02	0.09	3.00	29.3
	High	5795	0.38	0.30	0.09	3.29	29.3
802.11ac20	Low	5745	2.40	2.10	0.04	5.30	29.3
	Middle	5785	2.88	2.96	0.04	5.97	29.3
	High	5825	2.96	2.30	0.04	5.69	29.3
802.11ac40	Low	5755	-0.01	0.10	0.09	3.15	29.3
	High	5795	-0.26	-0.30	0.09	2.82	29.3
802.11ac80	-	5775	-2.55	-2.12	0.35	1.03	29.3

Note:

1. The max antenna gain is 3.7dBi.
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density measurements on IEEE 802.11 devices:

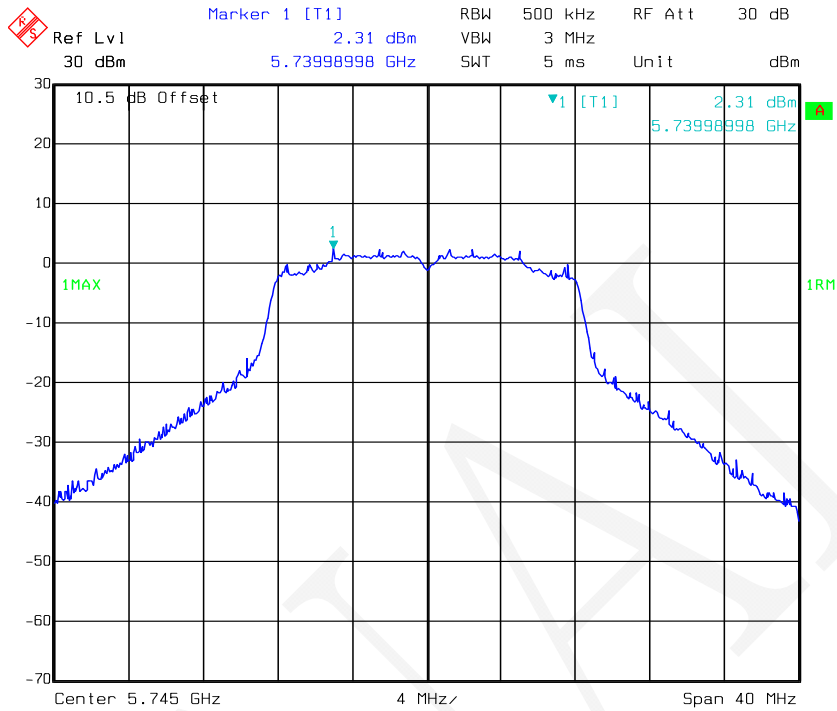
$$\text{Array Gain} = 10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}}) \text{dB}$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 3.7 + 10 \cdot \log(2) = 6.7 \text{dBi} > 6 \text{dBi}$$

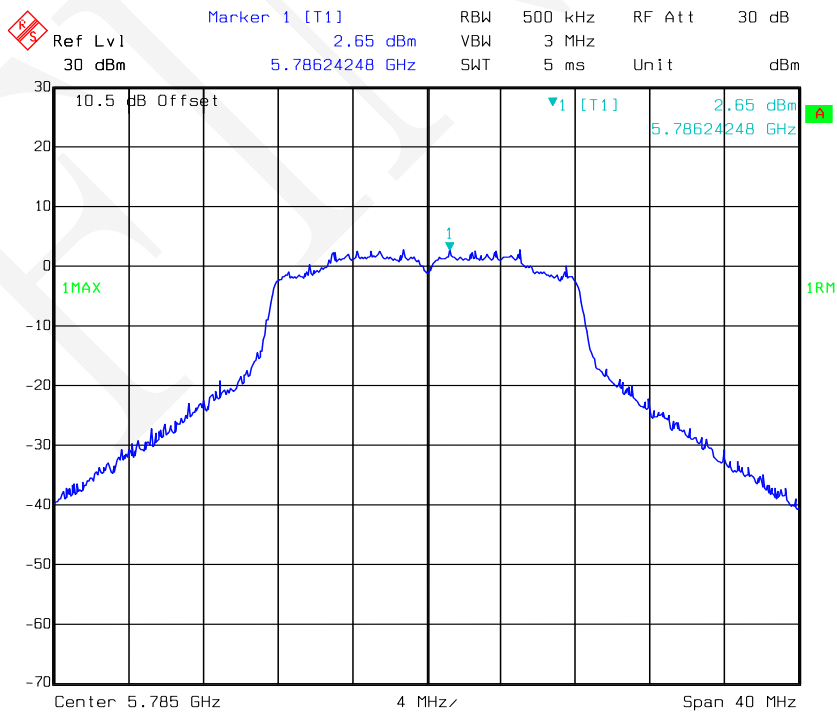
The power density Limit was reduced 0.7dB in MIMO mode.

802.11a mode, Power Spectral Density-5745 MHz, Antenna 1



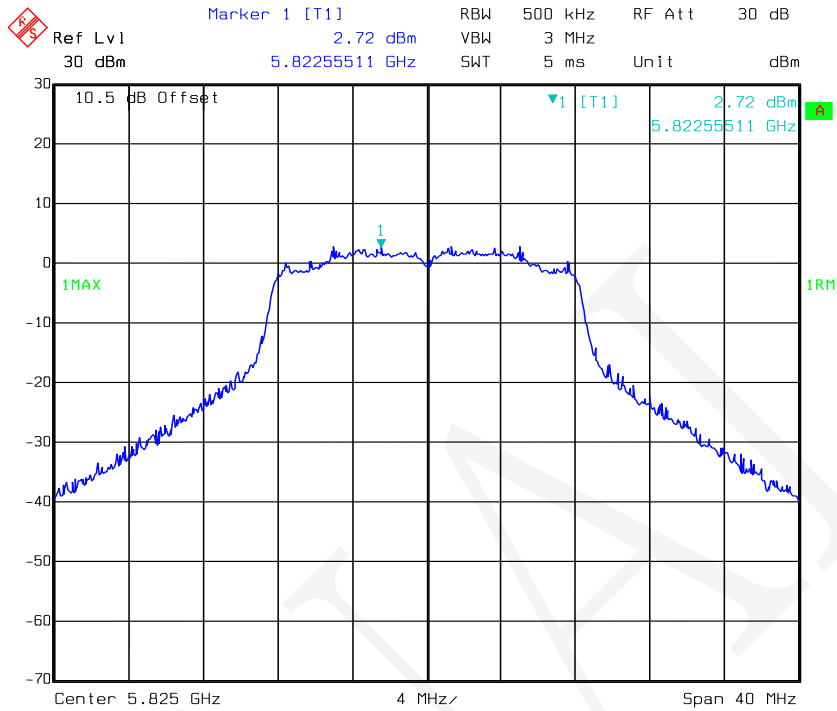
Date: 03.APR.2018 19:45:32

802.11a mode, Power Spectral Density-5785 MHz, Antenna 1



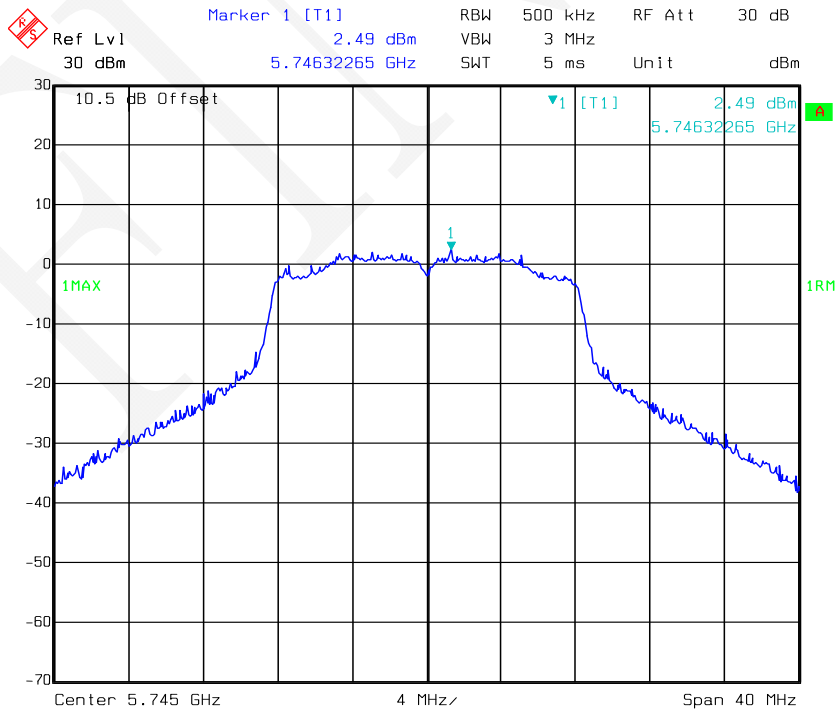
Date: 03.APR.2018 19:46:04

802.11a mode, Power Spectral Density-5825 MHz, Antenna 1



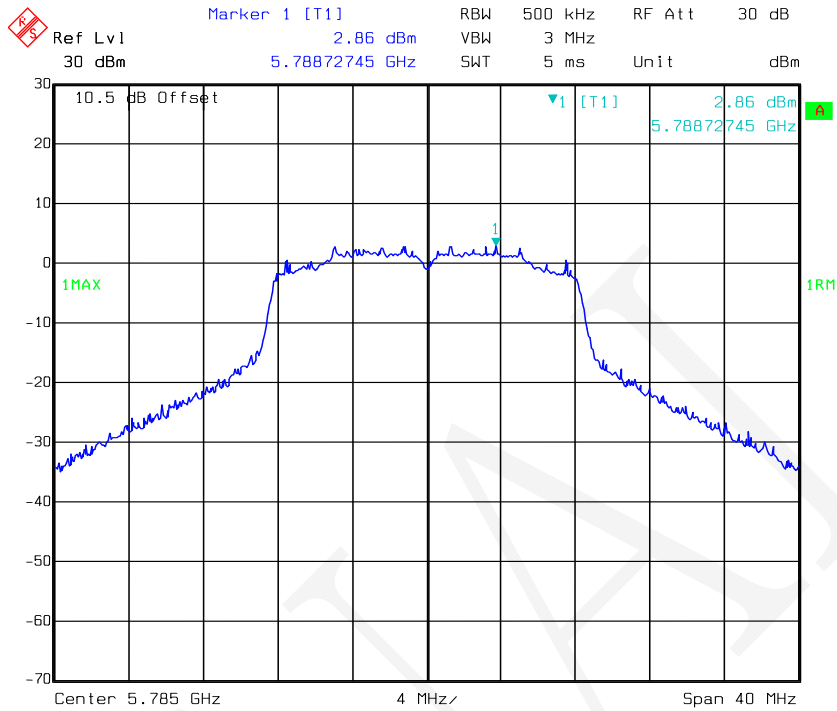
Date: 03.APR.2018 19:46:38

802.11a mode, Power Spectral Density-5745 MHz, Antenna 2



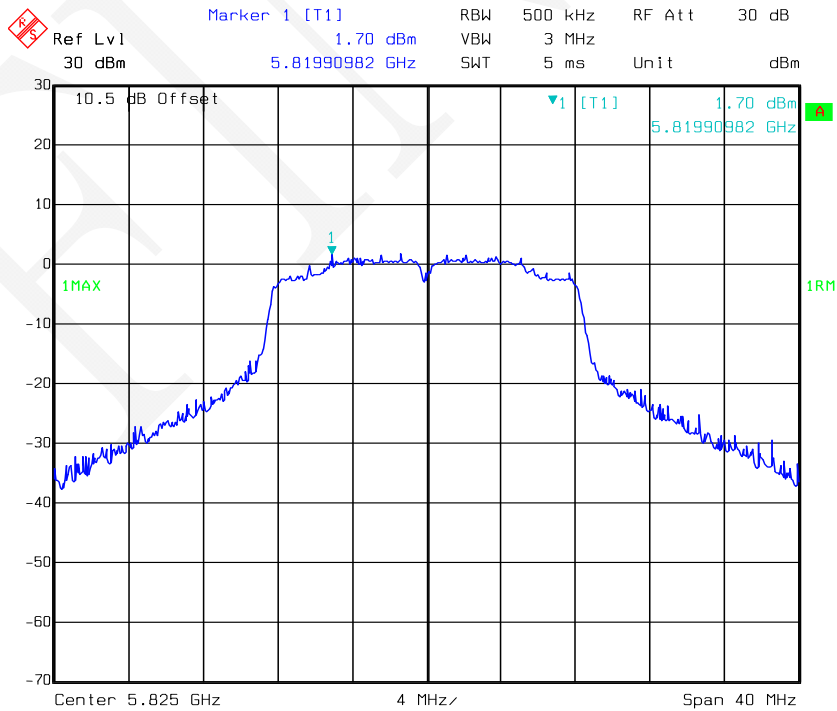
Date: 03.APR.2018 18:28:24

802.11a mode, Power Spectral Density-5785 MHz, Antenna 2



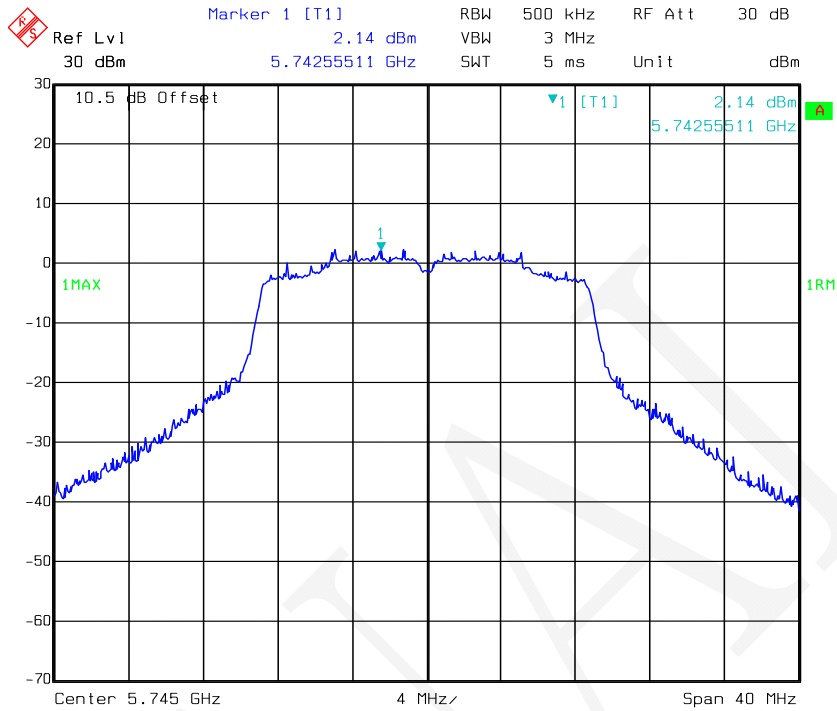
Date: 03.APR.2018 18:29:00

802.11a mode, Power Spectral Density-5825 MHz, Antenna 2



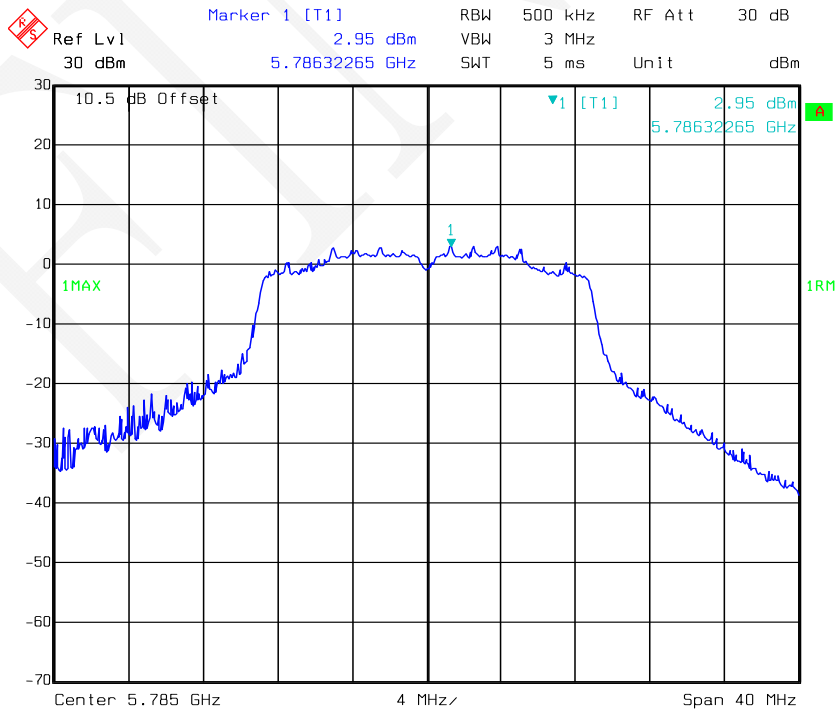
Date: 03.APR.2018 18:30:44

802.11n-HT20 mode, Power Spectral Density-5745 MHz, Antenna 1



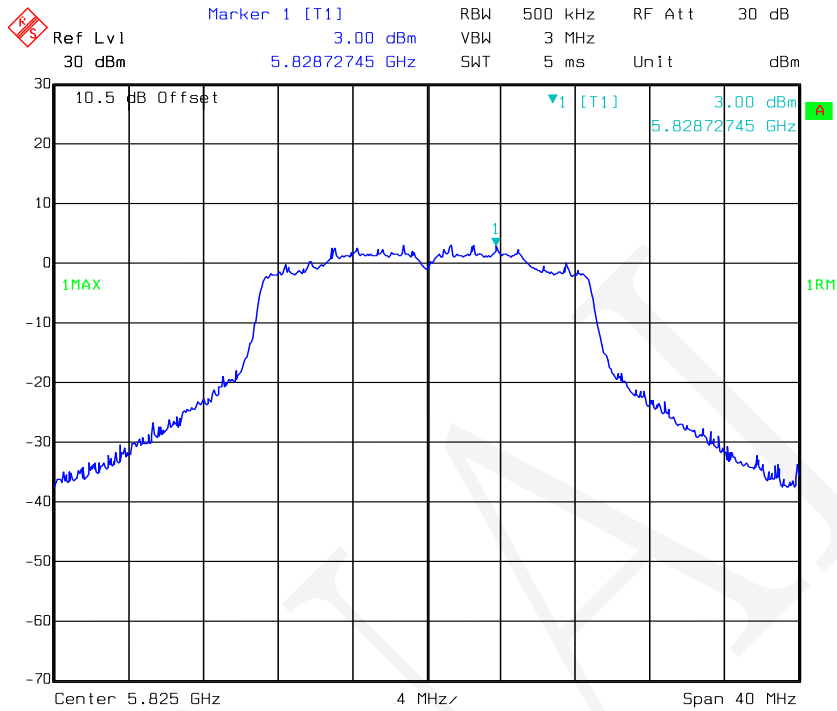
Date: 03.APR.2018 19:48:09

802.11n-HT20 mode, Power Spectral Density-5785 MHz, Antenna 1



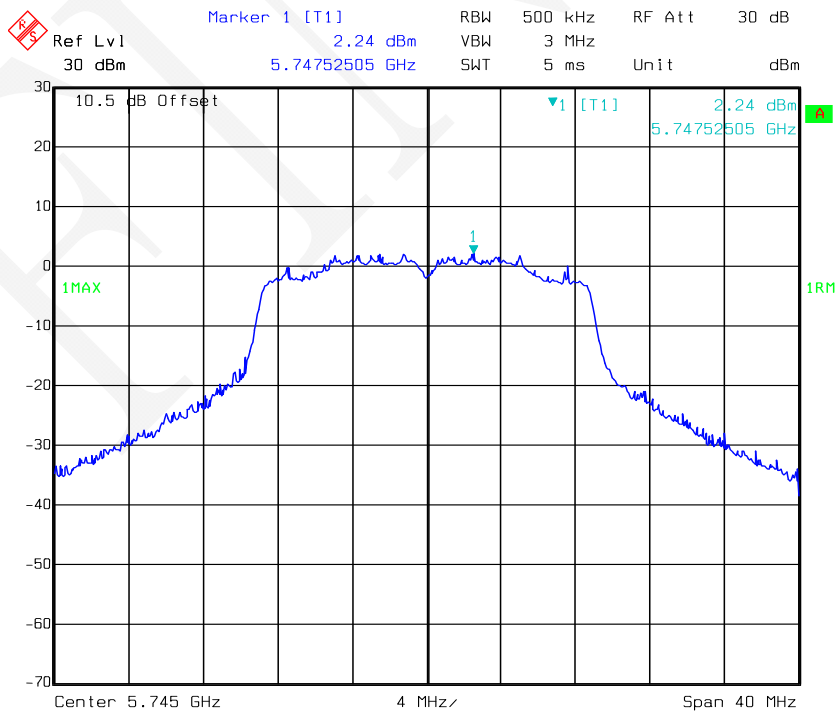
Date: 03.APR.2018 19:40:48

802.11n-HT20 mode, Power Spectral Density-5825 MHz, Antenna 1



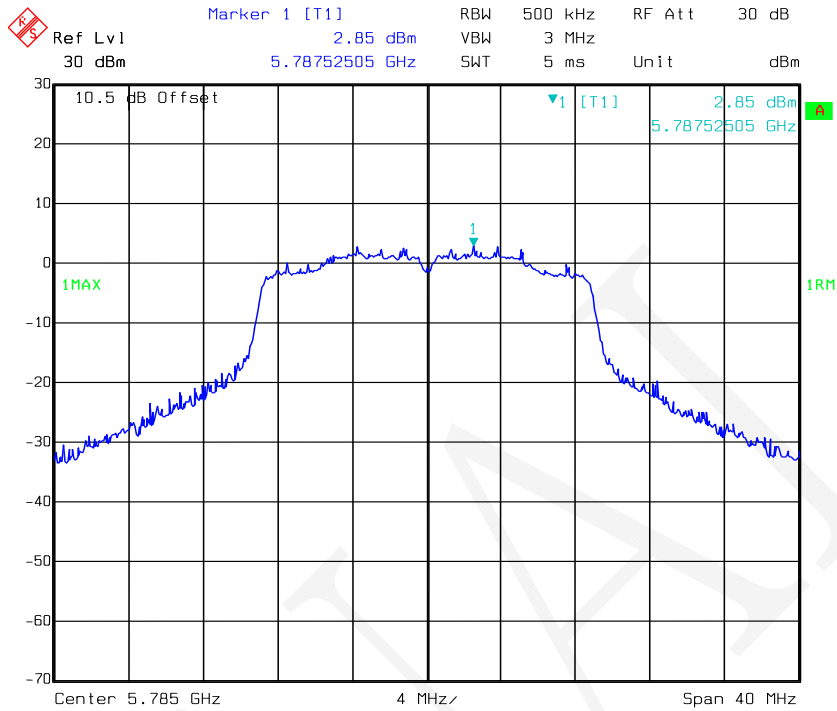
Date: 03.APR.2018 19:41:45

802.11n-HT20 mode, Power Spectral Density-5745 MHz, Antenna 2



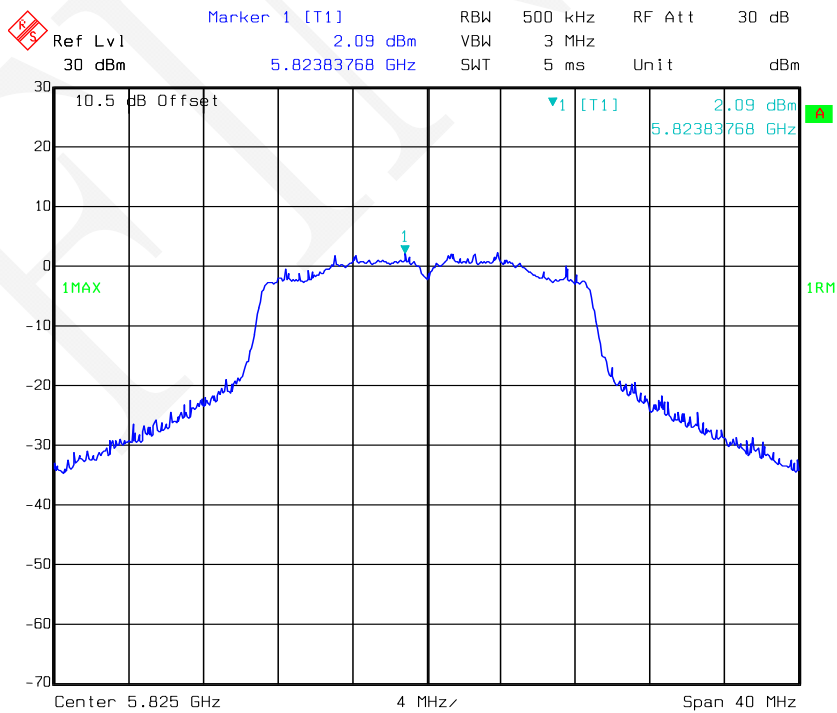
Date: 03.APR.2018 18:22:19

802.11n-HT20 mode, Power Spectral Density-5785 MHz, Antenna 2



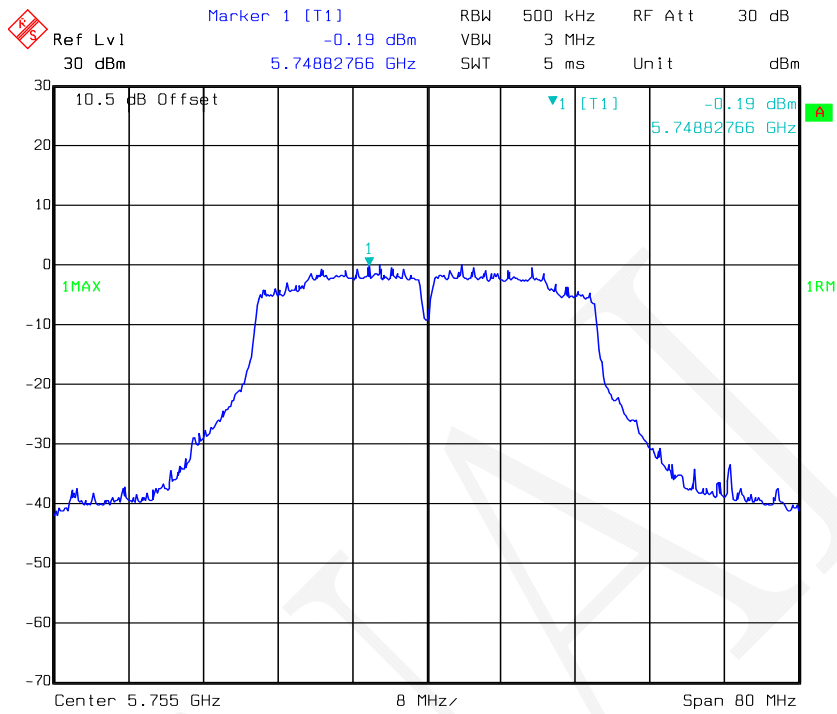
Date: 03.APR.2018 18:23:16

802.11n-HT20 mode, Power Spectral Density-5825 MHz, Antenna 2



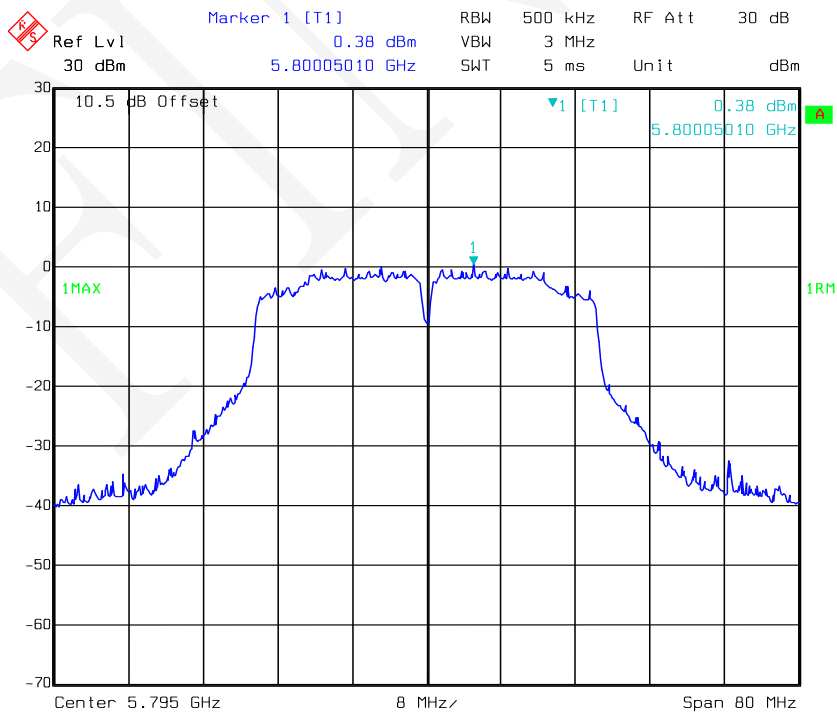
Date: 03.APR.2018 18:24:21

802.11n-HT40 mode, Power Spectral Density-5755 MHz, Antenna 1



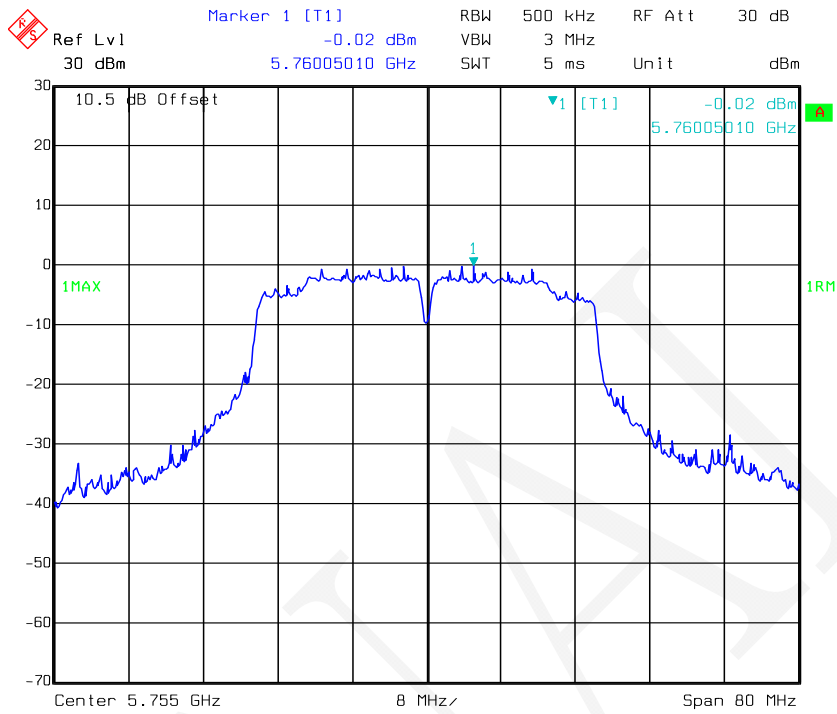
Date: 03.APR.2018 19:38:05

802.11n-HT40 mode, Power Spectral Density-5795 MHz, Antenna 1



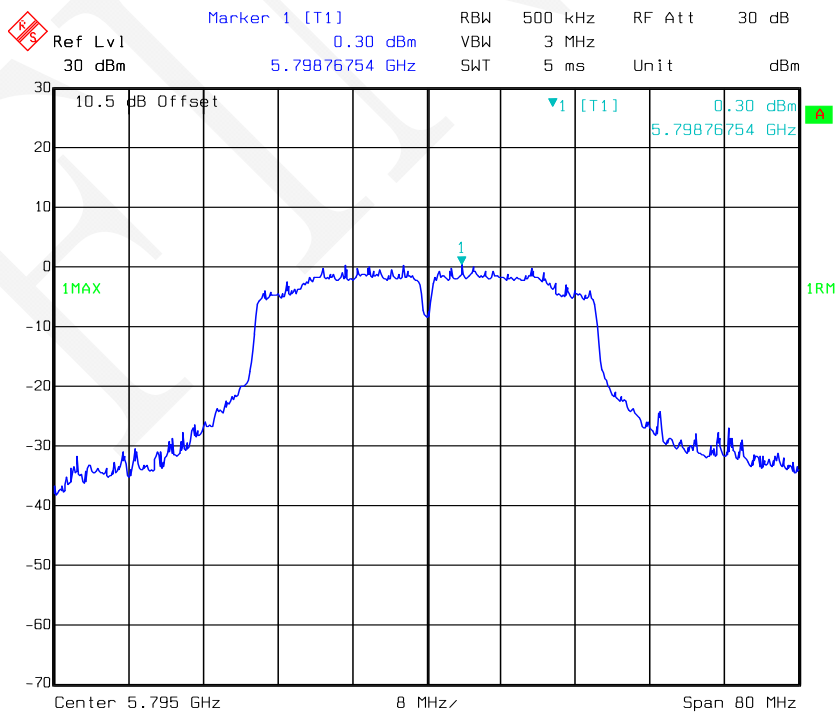
Date: 03.APR.2018 19:37:23

802.11n-HT40 mode, Power Spectral Density-5755 MHz, Antenna 2



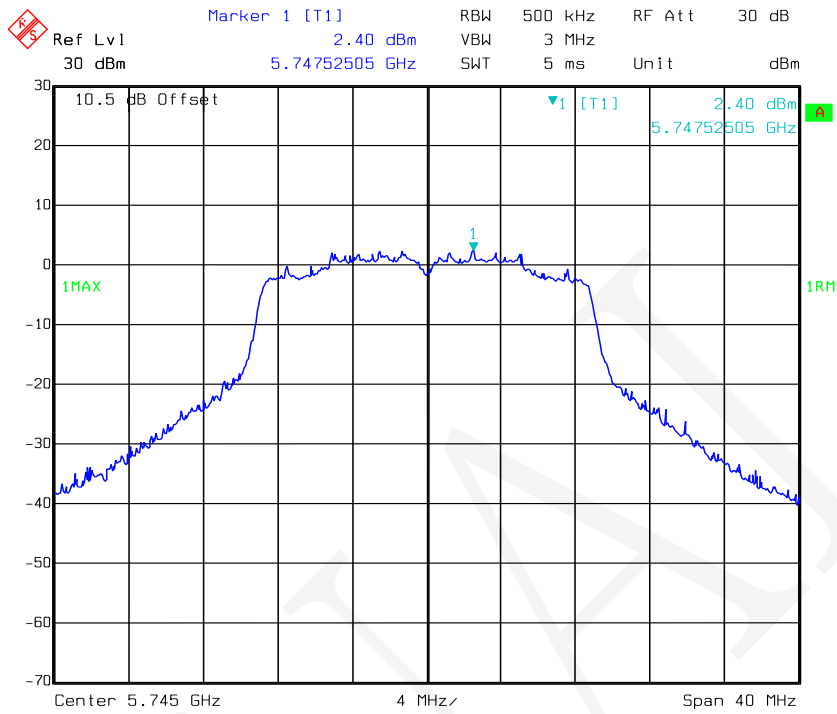
Date: 03.APR.2018 18:21:04

802.11n-HT40 mode, Power Spectral Density-5795 MHz, Antenna 2



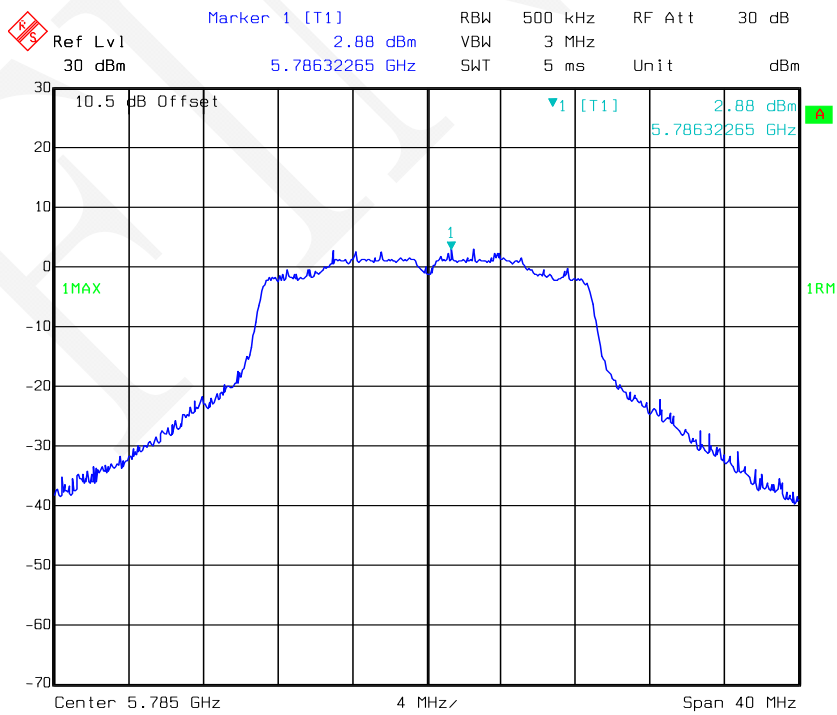
Date: 03.APR.2018 18:20:29

802.11ac20 mode, Power Spectral Density-5745 MHz, Antenna 1



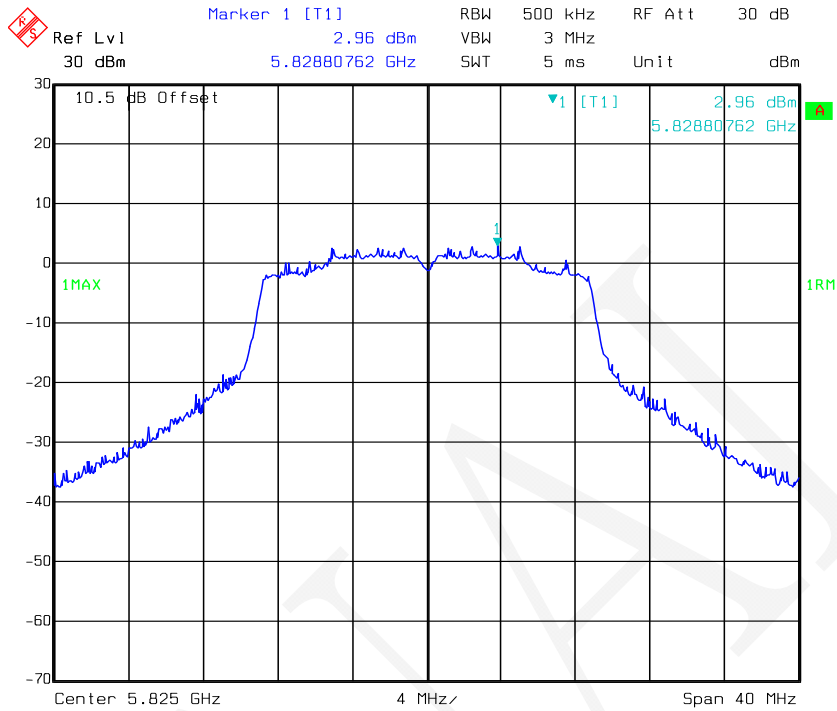
Date: 03.APR.2018 19:43:56

802.11ac20 mode, Power Spectral Density-5785 MHz, Antenna 1



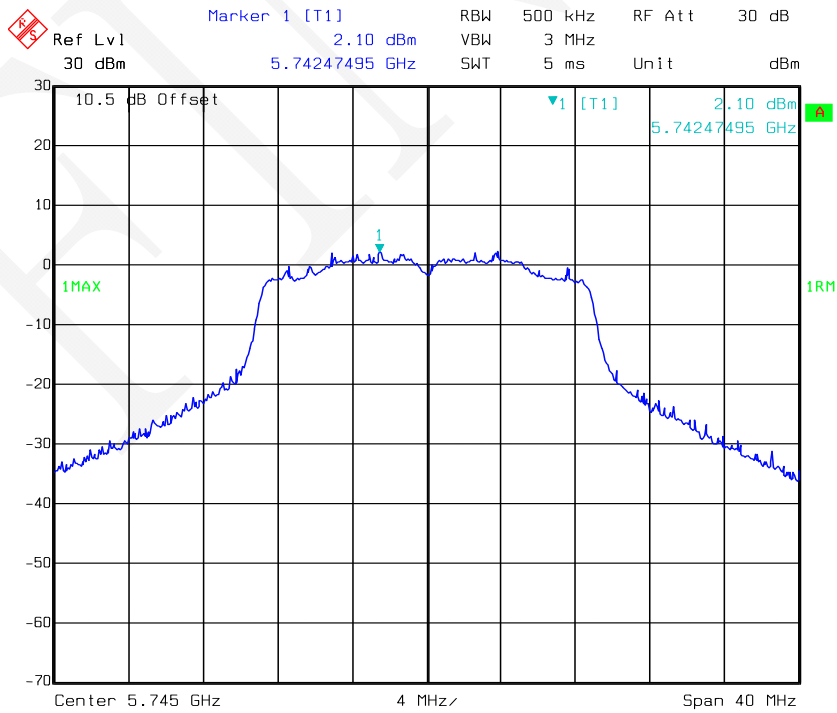
Date: 03.APR.2018 19:43:10

802.11ac20 mode, Power Spectral Density-5825 MHz, Antenna 1



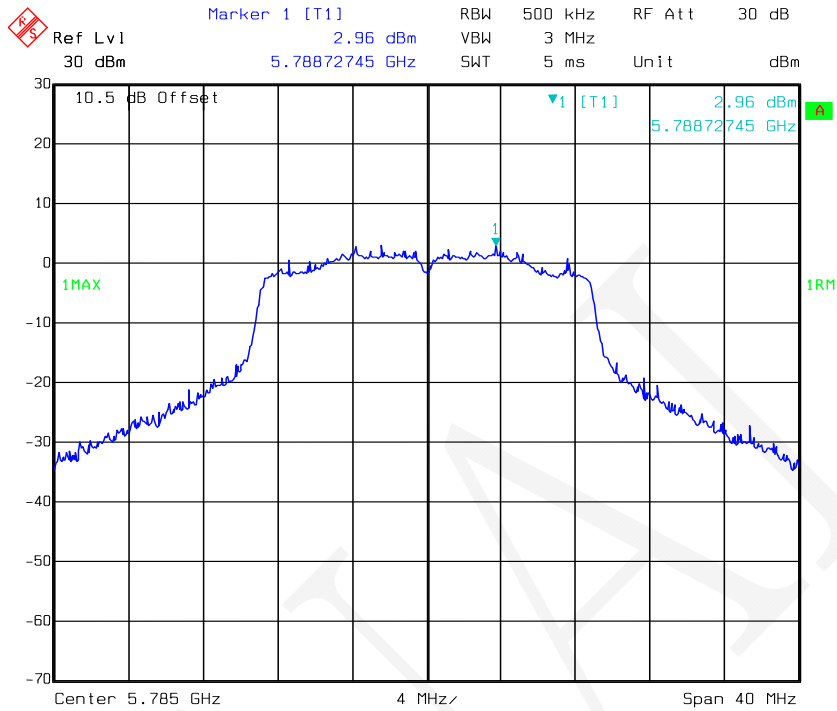
Date: 03.APR.2018 19:42:34

802.11ac20 mode, Power Spectral Density-5745 MHz, Antenna 2



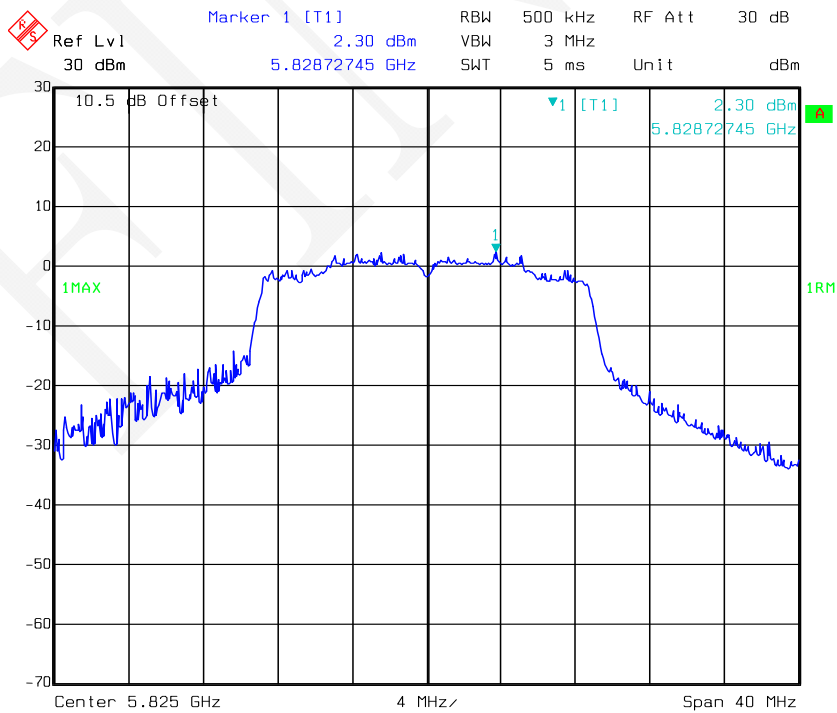
Date: 03.APR.2018 18:27:12

802.11ac20 mode, Power Spectral Density-5785 MHz, Antenna 2



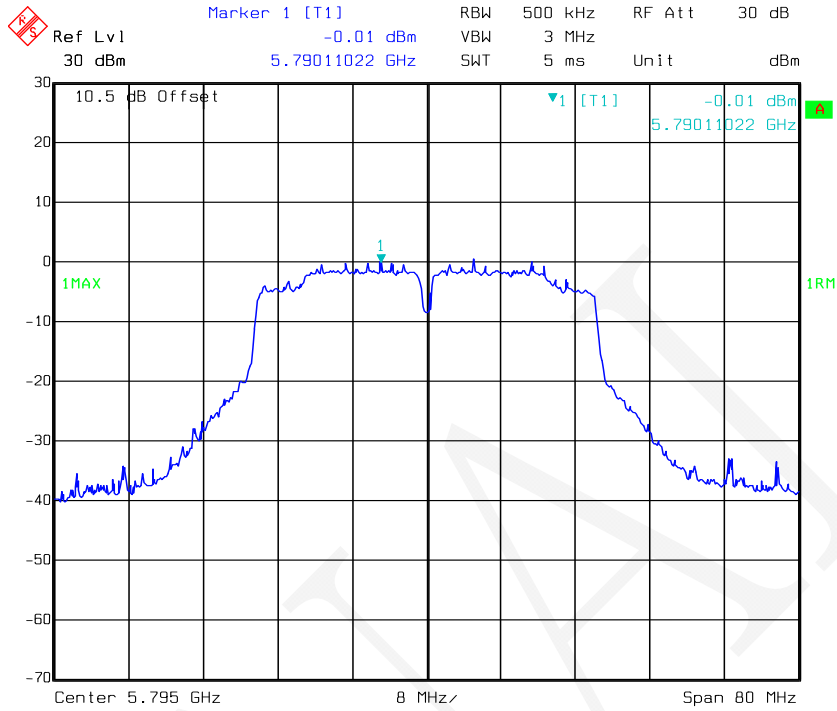
Date: 03.APR.2018 18:26:20

802.11ac20 mode, Power Spectral Density-5825 MHz, Antenna 2



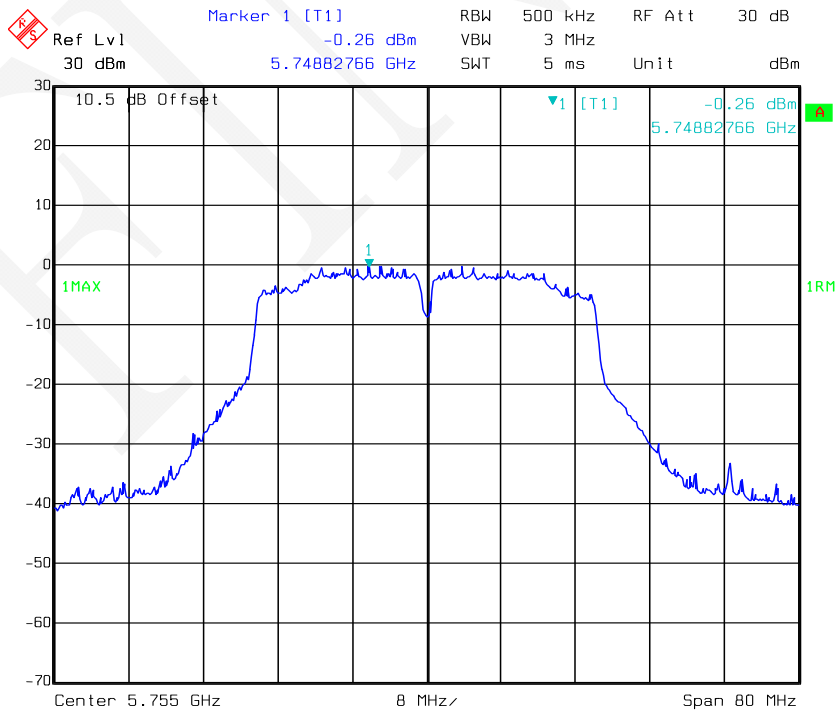
Date: 03.APR.2018 18:25:42

802.11ac40 mode, Power Spectral Density-5755 MHz, Antenna 1



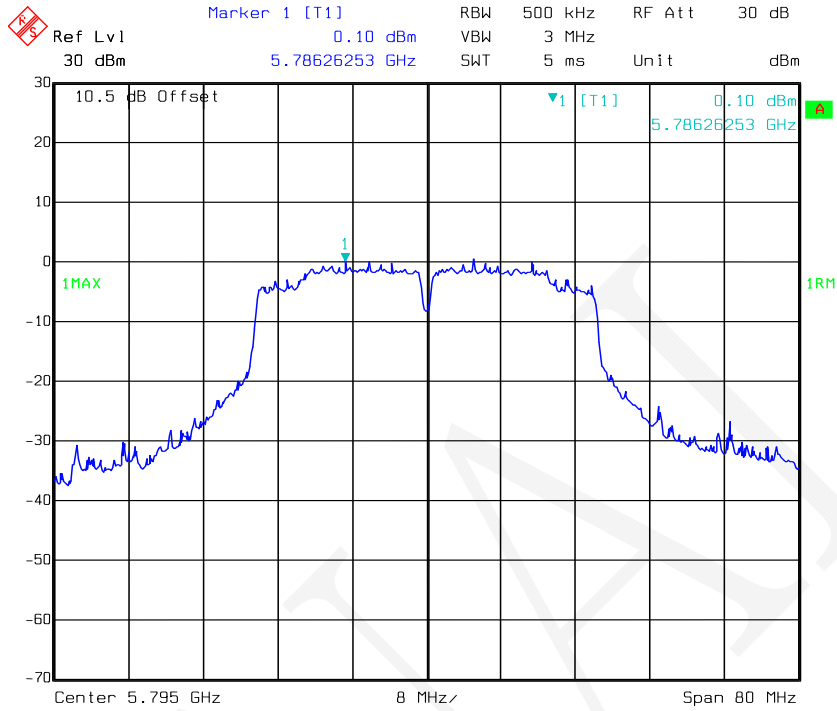
Date: 03.APR.2018 19:35:02

802.11ac40 mode, Power Spectral Density-5795 MHz, Antenna 1



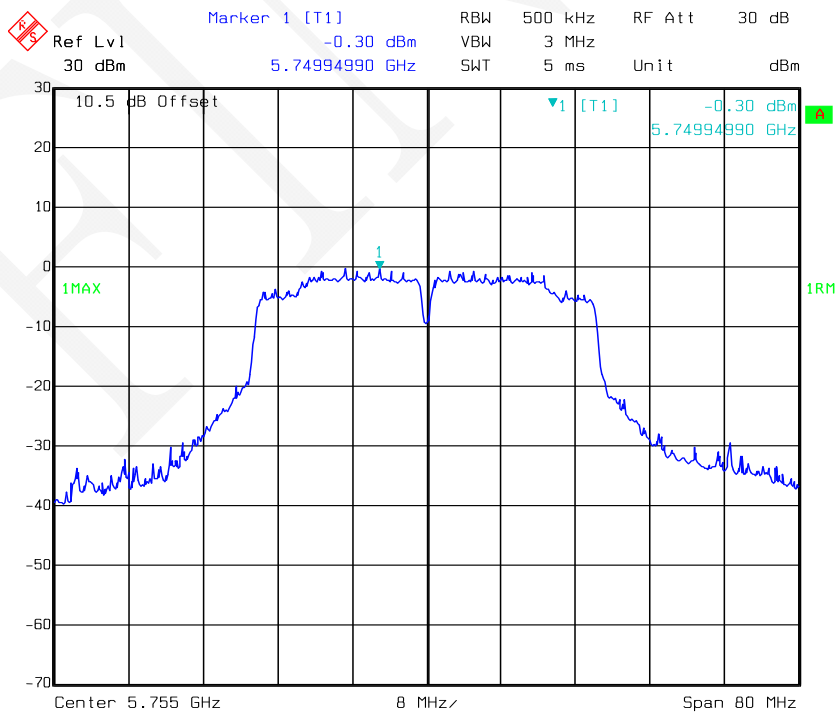
Date: 03.APR.2018 19:34:28

802.11ac40 mode, Power Spectral Density-5755 MHz, Antenna 2



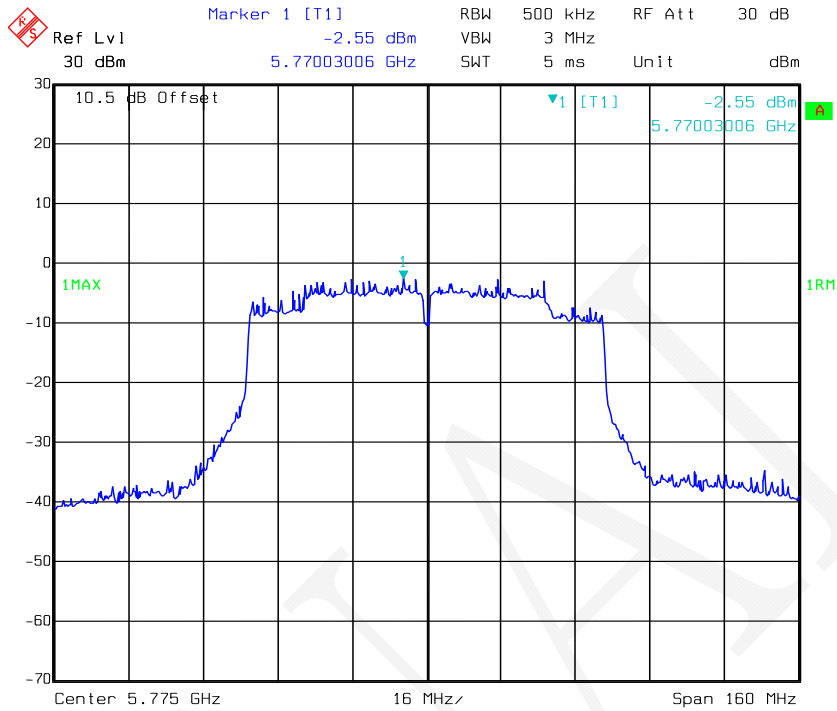
Date: 03.APR.2018 18:19:46

802.11ac40 mode, Power Spectral Density-5795 MHz, Antenna 2

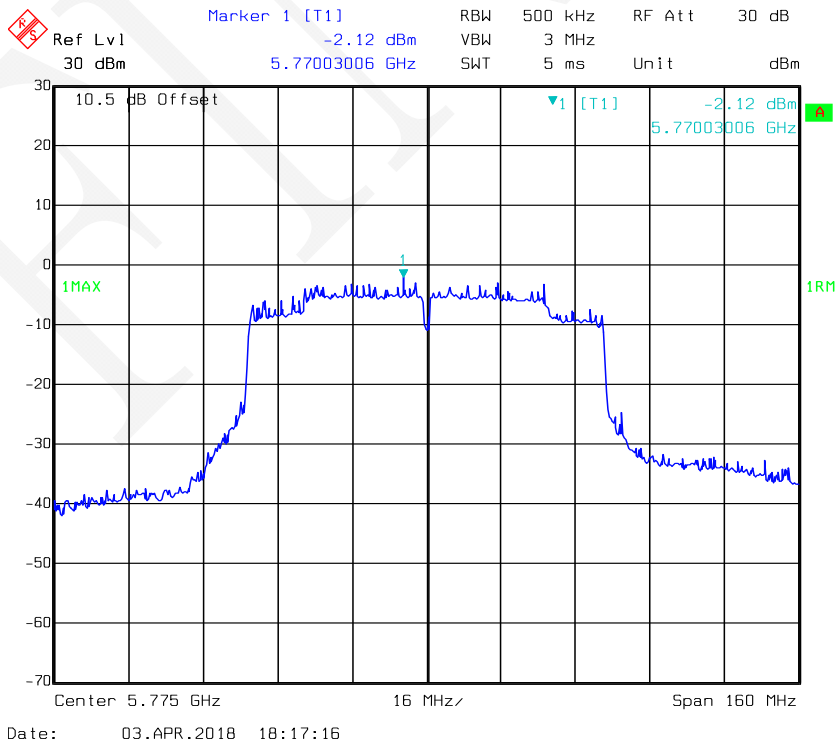


Date: 03.APR.2018 18:18:56

802.11ac80 mode, Power Spectral Density-5775 MHz, Antenna 1



802.11ac80 mode, Power Spectral Density-5775 MHz, Antenna 2



***** END OF REPORT *****