



## 6.3. Test Results of 6dB Emission Bandwidth

11a

Measured Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
5745	16.52	≥0.50
5785	16.51	≥0.50
5825	16.53	≥0.50

11n-HT20

Measured Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
5745	17.71	≥0.50
5785	17.71	≥0.50
5825	17.69	≥0.50

11n-HT40

Measured Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
5755	36.42	≥0.50
5795	36.44	≥0.50

11ac-HT20

Measured Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
5745	17.72	≥0.50
5785	17.68	≥0.50
5825	17.69	≥0.50

11ac-HT40

Measured Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
5755	36.56	≥0.50
5795	36.56	≥0.50

11ac-HT80

Measured Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
5775	75.35	≥0.50

[Note]

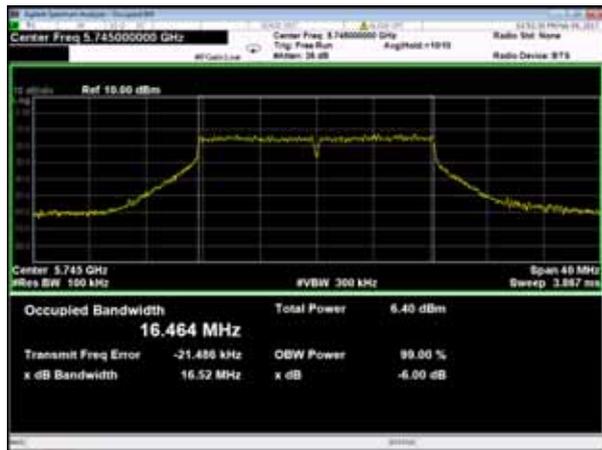
See next page figure.

Tested Date	Environment	
	Temperature	Humidity
9 February 2017	22 °C	35 %

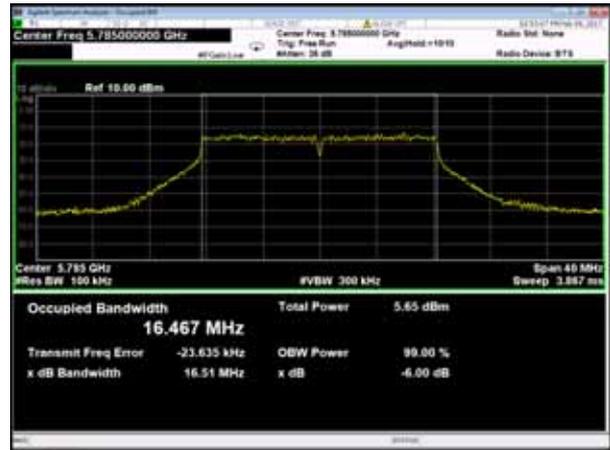


11a

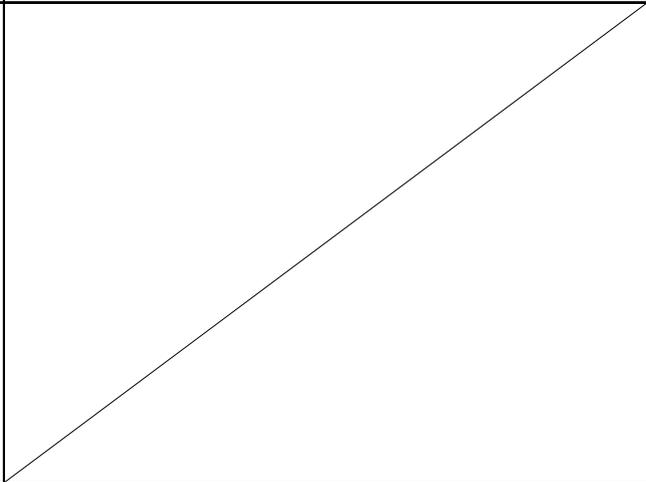
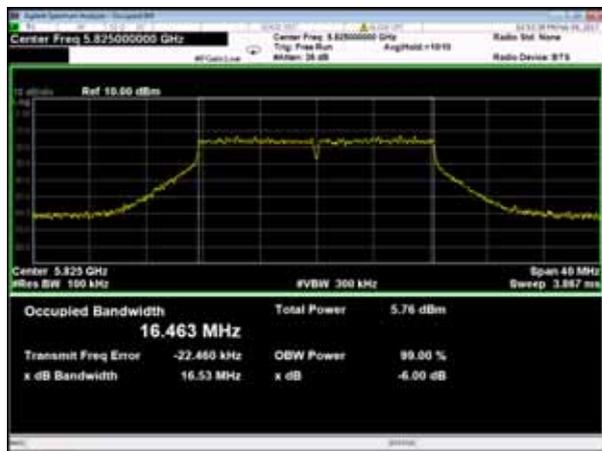
5745MHz



5785MHz



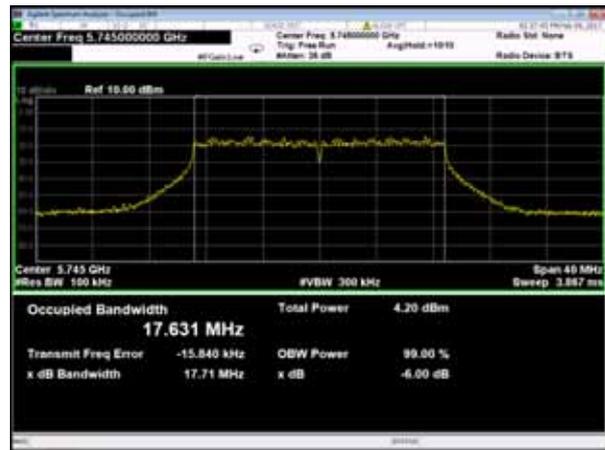
5825MHz



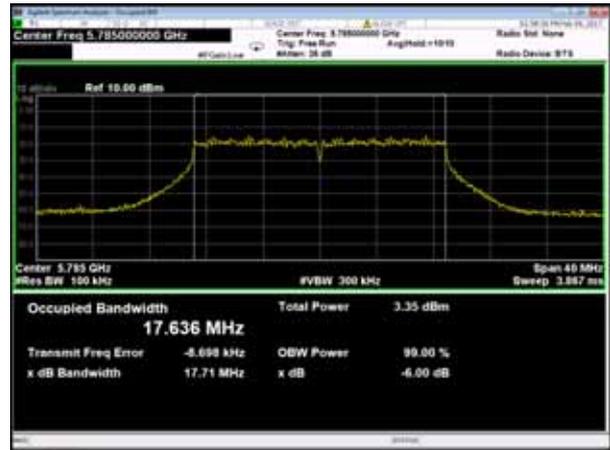


11n-HT20

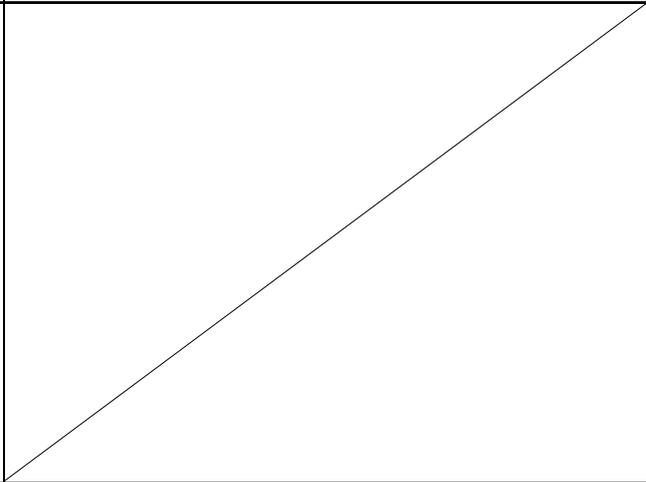
5745MHz



5785MHz



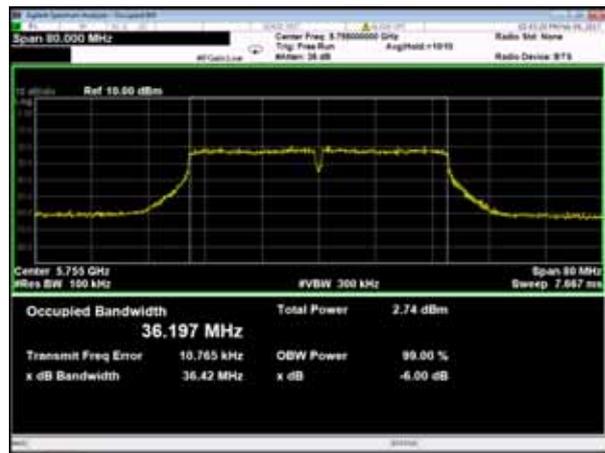
5825MHz





1In-HT40

5755MHz

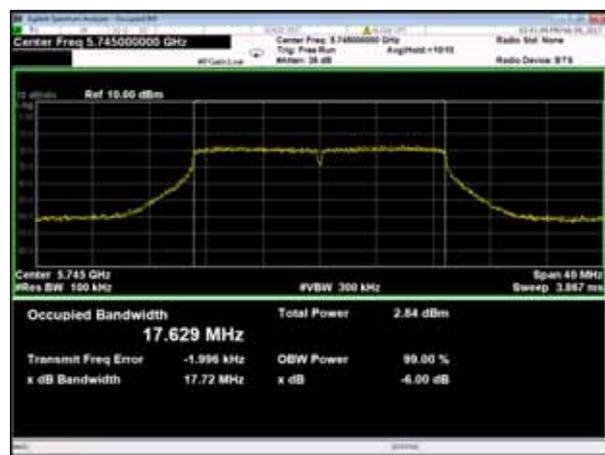


5795MHz

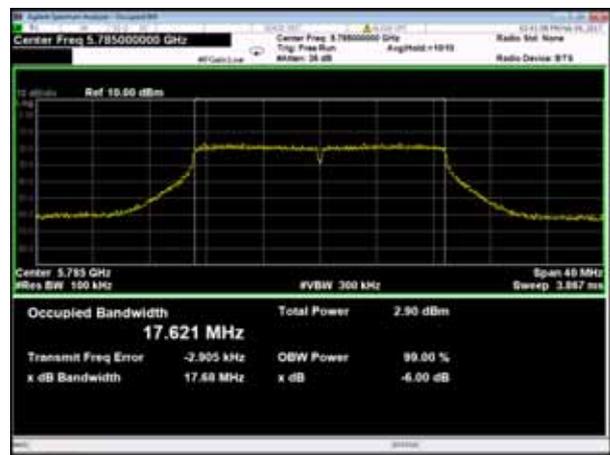


1Iac-HT20

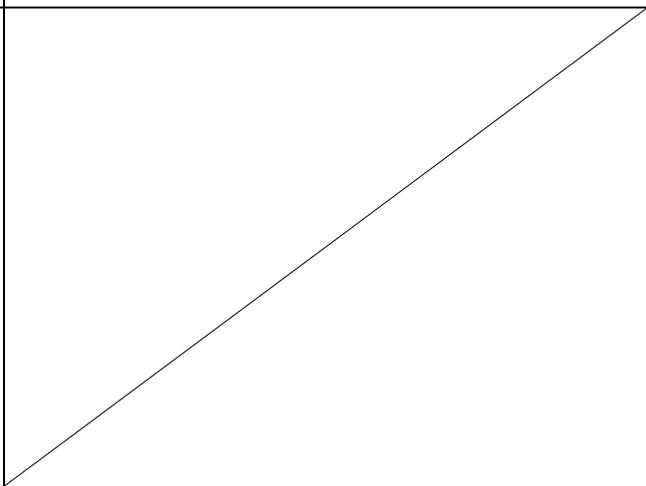
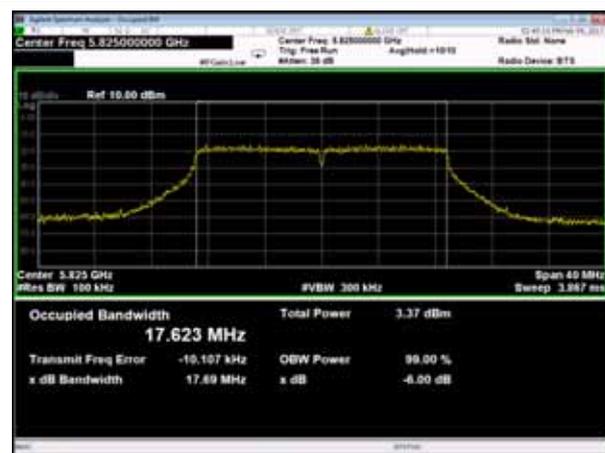
5745MHz



5785MHz



5825MHz







## 7. MAXIMUM PEAK OUTPUT POWER

### 7.1. Test Procedure

- (1) Connect the EUT RF output port to wideband power meter via calibrated coaxial cable and suitable attenuator (if necessary).
- (2) Activates the EUT System and execute the software prepared for test, if necessary.
- (3) To find out the worst condition, the transmitting data rate of EUT is changed.
- (4) If the transmitter does not transmit continuously, measure the duty cycle,  $x$ , of the transmitter output signal.
- (5) Measure the average power of the transmitter.
- (6) Adjust the measurement in dBm by adding  $10 \log(1/x)$  where  $x$  is the duty cycle.

### 7.2. Test Results

11a Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power (dBm)	Limit (dBm)	Margin for Limit (dB)
5180	12.21	-0.53	0.00	11.68	23.97	12.29
5220	12.21	0.26	0.00	12.47	23.97	11.50
5240	12.22	0.50	0.00	12.72	23.97	11.25
5260	12.22	-0.53	0.00	11.69	23.97	12.28
5300	12.22	-1.36	0.00	10.86	23.97	13.11
5320	12.22	-1.80	0.00	10.42	23.97	13.55
5500	12.23	-0.59	0.00	11.64	23.97	12.33
5580	12.24	-1.49	0.00	10.75	23.97	13.22
5700	12.25	-3.05	0.00	9.20	23.97	14.77
5745	12.25	-1.42	0.00	10.83	30.00	19.17
5785	12.25	-0.85	0.00	11.40	30.00	18.60
5825	12.25	-0.93	0.00	11.32	30.00	18.68



## 11n-HT20 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5180	12.21	-4.54	0.00	7.67	5.85
5220	12.21	-3.66	0.00	8.55	7.17
5240	12.22	-3.27	0.00	8.95	7.86
5260	12.22	-3.75	0.00	8.47	7.04
5300	12.22	-4.50	0.00	7.72	5.92
5320	12.22	-6.21	0.00	6.01	4.00
5500	12.23	-4.93	0.00	7.30	5.38
5580	12.24	-5.35	0.00	6.89	4.89
5700	12.25	-8.02	0.00	4.23	2.65
5745	12.25	-5.30	0.00	6.95	4.96
5785	12.25	-5.02	0.00	7.23	5.29
5825	12.25	-5.21	0.00	7.04	5.06

## 11n-HT20 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5180	12.21	-3.64	0.00	8.57	7.20
5220	12.21	-2.46	0.00	9.75	9.45
5240	12.22	-2.45	0.00	9.77	9.49
5260	12.22	-2.04	0.00	10.18	10.43
5300	12.22	-3.12	0.00	9.10	8.13
5320	12.22	-4.52	0.00	7.70	5.89
5500	12.23	-3.63	0.00	8.60	7.25
5580	12.24	-3.05	0.00	9.19	8.30
5700	12.25	-5.90	0.00	6.35	4.32
5745	12.25	-3.56	0.00	8.69	7.40
5785	12.25	-3.53	0.00	8.72	7.45
5825	12.25	-3.66	0.00	8.59	7.23

## 11n-HT20 Ant A+B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Conducted Power (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5180	5.85	7.20	13.05	11.16	23.97	12.81
5220	7.17	9.45	16.62	12.21	23.97	11.76
5240	7.86	9.49	17.35	12.39	23.97	11.58
5260	7.04	10.43	17.47	12.42	23.97	11.55
5300	5.92	8.13	14.05	11.48	23.97	12.49
5320	4.00	5.89	9.89	9.95	23.97	14.02
5500	5.38	7.25	12.63	11.01	23.97	12.96
5580	4.89	8.30	13.19	11.20	23.97	12.77
5700	2.65	4.32	6.97	8.43	23.97	15.54
5745	4.96	7.40	12.36	10.92	30.00	19.08
5785	5.29	7.45	12.74	11.05	30.00	18.95
5825	5.06	7.23	12.29	10.90	30.00	19.10



## 11n-HT40 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5190	12.21	-5.47	0.00	6.74	4.73
5230	12.22	-5.30	0.00	6.92	4.93
5270	12.22	-5.40	0.00	6.82	4.81
5310	12.22	-5.95	0.00	6.27	4.24
5510	12.23	-7.20	0.00	5.03	3.19
5550	12.24	-5.69	0.00	6.55	4.52
5670	12.25	-6.95	0.00	5.30	3.39
5755	12.25	-6.67	0.00	5.58	3.62
5795	12.25	-6.48	0.00	5.77	3.78

## 11n-HT40 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5190	12.21	-4.73	0.00	7.48	5.60
5230	12.22	-4.40	0.00	7.82	6.06
5270	12.22	-3.95	0.00	8.27	6.72
5310	12.22	-4.54	0.00	7.68	5.87
5510	12.23	-6.08	0.00	6.15	4.13
5550	12.24	-4.64	0.00	7.60	5.76
5670	12.25	-5.68	0.00	6.57	4.54
5755	12.25	-5.08	0.00	7.17	5.22
5795	12.25	-4.93	0.00	7.32	5.40

## 11n-HT40 Ant A+B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Conducted Power (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5190	4.73	5.60	10.33	10.14	23.97	13.83
5230	4.93	6.06	10.99	10.41	23.97	13.56
5270	4.81	6.72	11.53	10.62	23.97	13.35
5310	4.24	5.87	10.11	10.05	23.97	13.92
5510	3.19	4.13	7.32	8.65	23.97	15.32
5550	4.52	5.76	10.28	10.12	23.97	13.85
5670	3.39	4.54	7.93	8.99	23.97	14.98
5755	3.62	5.22	8.84	9.46	30.00	20.54
5795	3.78	5.40	9.18	9.63	30.00	20.37



## 11ac-HT20 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5180	12.21	-4.99	0.00	7.22	5.28
5220	12.21	-4.34	0.00	7.87	6.13
5240	12.22	-4.27	0.00	7.95	6.24
5260	12.22	-4.48	0.00	7.74	5.95
5300	12.22	-5.27	0.00	6.95	4.96
5320	12.22	-6.85	0.00	5.37	3.45
5500	12.23	-5.56	0.00	6.67	4.65
5580	12.24	-5.64	0.00	6.60	4.58
5700	12.25	-8.31	0.00	3.94	2.48
5745	12.25	-5.80	0.00	6.45	4.42
5785	12.25	-5.34	0.00	6.91	4.91
5825	12.25	-5.50	0.00	6.75	4.74

## 11ac-HT20 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5180	12.21	-4.16	0.00	8.05	6.39
5220	12.21	-3.60	0.00	8.61	7.27
5240	12.22	-3.35	0.00	8.87	7.71
5260	12.22	-3.06	0.00	9.16	8.25
5300	12.22	-3.85	0.00	8.37	6.88
5320	12.22	-5.43	0.00	6.79	4.78
5500	12.23	-4.23	0.00	8.00	6.31
5580	12.24	-3.54	0.00	8.70	7.42
5700	12.25	-6.28	0.00	5.97	3.96
5745	12.25	-4.29	0.00	7.96	6.26
5785	12.25	-3.83	0.00	8.42	6.96
5825	12.25	-4.12	0.00	8.13	6.51

## 11ac-HT20 Ant A+B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Conducted Power (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5180	5.28	6.39	11.67	10.67	23.97	13.30
5220	6.13	7.27	13.40	11.27	23.97	12.70
5240	6.24	7.71	13.95	11.45	23.97	12.52
5260	5.95	8.25	14.20	11.52	23.97	12.45
5300	4.96	6.88	11.84	10.73	23.97	13.24
5320	3.45	4.78	8.23	9.15	23.97	14.82
5500	4.65	6.31	10.96	10.40	23.97	13.57
5580	4.58	7.42	12.00	10.79	23.97	13.18
5700	2.48	3.96	6.44	8.09	23.97	15.88
5745	4.42	6.26	10.68	10.29	30.00	19.71
5785	4.91	6.96	11.87	10.74	30.00	19.26
5825	4.74	6.51	11.25	10.51	30.00	19.49



## 11ac-HT40 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5190	12.21	-5.67	0.00	6.54	4.51
5230	12.22	-5.29	0.00	6.93	4.94
5270	12.22	-5.38	0.00	6.84	4.84
5310	12.22	-6.05	0.00	6.17	4.14
5510	12.23	-7.47	0.00	4.76	3.00
5550	12.24	-5.65	0.00	6.59	4.57
5670	12.25	-6.90	0.00	5.35	3.43
5755	12.25	-6.76	0.00	5.49	3.54
5795	12.25	-6.46	0.00	5.79	3.80

## 11ac-HT40 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5190	12.21	-4.90	0.00	7.31	5.39
5230	12.22	-4.43	0.00	7.79	6.02
5270	12.22	-3.98	0.00	8.24	6.67
5310	12.22	-4.62	0.00	7.60	5.76
5510	12.23	-6.38	0.00	5.85	3.85
5550	12.24	-4.50	0.00	7.74	5.95
5670	12.25	-5.69	0.00	6.56	4.53
5755	12.25	-5.11	0.00	7.14	5.18
5795	12.25	-5.02	0.00	7.23	5.29

## 11ac-HT40 Ant A+B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Conducted Power (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5190	4.51	5.39	9.90	9.96	23.97	14.01
5230	4.94	6.02	10.96	10.40	23.97	13.57
5270	4.84	6.67	11.51	10.61	23.97	13.36
5310	4.14	5.76	9.90	9.96	23.97	14.01
5510	3.00	3.85	6.85	8.36	23.97	15.61
5550	4.57	5.95	10.52	10.22	23.97	13.75
5670	3.43	4.53	7.96	9.01	23.97	14.96
5755	3.54	5.18	8.72	9.41	30.00	20.59
5795	3.80	5.29	9.09	9.59	30.00	20.41



## 11ac-HT80 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5210	12.21	-6.15	0.00	6.06	4.04
5290	12.22	-8.67	0.00	3.55	2.27
5530	12.23	-6.91	0.00	5.32	3.41
5610	12.24	-7.04	0.00	5.20	3.32
5775	12.25	-7.59	0.00	4.66	2.93

## 11ac-HT80 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conducted Power	
				(dBm)	(mW)
5210	12.21	-5.37	0.00	6.84	4.84
5290	12.22	-7.12	0.00	5.10	3.24
5530	12.23	-5.77	0.00	6.46	4.43
5610	12.24	-5.76	0.00	6.48	4.45
5775	12.25	-5.95	0.00	6.30	4.27

## 11ac-HT80 Ant A+B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Conducted Power (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5210	4.04	4.84	8.88	9.48	23.97	14.49
5290	2.27	3.24	5.51	7.41	23.97	16.56
5530	3.41	4.43	7.84	8.94	23.97	15.03
5610	3.32	4.45	7.77	8.90	23.97	15.07
5775	2.93	4.27	7.20	8.57	30.00	21.43



[Note]  
 (1) Correction Factor includes the cable loss and attenuator loss.  
 (2) Limit of 5.25-5.35 GHz and 5.47-5.725 GHz bands  
     : the lesser value of 250mW (23.97dBm) or 11dBm + 10log(26dB Emission Bandwidth (\*1))  
 (\*) 26dB Emission Bandwidth See 15 page.

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[Calculation method]  
 Conducted Output Power (dBm)  
 = Meter Reading (dBm) + Correction Factor (dB) + Duty Cycle Factor (dB) (\*)  
 (\*) See next page

Tested Date	Environment	
	Temperature	Humidity
9 February 2017	22 °C	35 %



Duty Cycle



	11a	11n-HT20	11n-HT40	11ac-HT20	11ac-HT40	11ac-HT80
Txon	-	-	-	-	-	-
Txon + Txoff	-	-	-	-	-	-
Duty Cycle	1.00	1.00	1.00	1.00	1.00	1.00
Duty Cycle Factor (dB)	0.00	0.00	0.00	0.00	0.00	0.00

[Calculation method]  
 Duty Cycle = (Tx on) / (Tx on + Tx off)  
 Duty Cycle Factor (dB) = 10Log (1/Duty Cycle)

## 8. POWER SPECTRAL DENSITY

### 8.1. Test Procedure

- (1) Connect the EUT RF output port to spectrum analyzer (\*1) via calibrated coaxial cable and suitable attenuator (if necessary).
- (2) Activates the EUT System and execute the software prepared for test, if necessary.
- (3) To find out the worst condition, the transmitting data rate of EUT is changed.
- (4) If the transmitter does not transmit continuously, measure the duty cycle,  $x$ , of the transmitter output signal.
- (5) Record the spectral density perform peak search using the spectrum analyzer.
- (6) Adjust the measurement in dBm by adding  $10 \log(1/x)$  where  $x$  is the duty cycle.

[Note]

(\*1) Spectrum Analyzer Set Up Conditions

Resolution bandwidth : 1MHz  
Video bandwidth : 3 x RBW  
Detector function : RMS  
Trace average : 100 times

Spectrum Analyzer Set Up Conditions (operating in the band 5.725-5.85GHz)

Resolution bandwidth : 470kHz  
Video bandwidth : 3 x RBW  
Detector function : RMS  
Trace average : 100 times



## 8.2. Test Results

11a Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density (dBm)	Limit (dBm)	Margin for Limit (dB)
5180	12.21	-9.67	0.00	-	2.54	11.00	8.46
5220	12.21	-9.65	0.00	-	2.56	11.00	8.44
5240	12.22	-9.29	0.00	-	2.93	11.00	8.07
5260	12.22	-11.25	0.00	-	0.97	11.00	10.03
5300	12.22	-12.11	0.00	-	0.11	11.00	10.89
5320	12.22	-12.60	0.00	-	-0.38	11.00	11.38
5500	12.23	-11.29	0.00	-	0.94	11.00	10.06
5580	12.24	-12.14	0.00	-	0.10	11.00	10.90
5700	12.25	-13.23	0.00	-	-0.98	11.00	11.98
5745	12.25	-14.93	0.00	0.27	-2.41	30.00	32.41
5785	12.25	-14.86	0.00	0.27	-2.34	30.00	32.34
5825	12.25	-15.00	0.00	0.27	-2.48	30.00	32.48



11n-HT20 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5180	12.21	-15.29	0.00		-3.08	0.50
5220	12.21	-14.66	0.00		-2.45	0.57
5240	12.22	-14.21	0.00		-1.99	0.64
5260	12.22	-14.64	0.00		-2.42	0.58
5300	12.22	-15.32	0.00		-3.10	0.49
5320	12.22	-17.46	0.00		-5.24	0.30
5500	12.23	-15.81	0.00		-3.58	0.44
5580	12.24	-16.68	0.00		-4.44	0.36
5700	12.25	-18.27	0.00		-6.02	0.26
5745	12.25	-17.34	0.00	0.27	-4.82	0.33
5785	12.25	-17.38	0.00	0.27	-4.86	0.33
5825	12.25	-17.00	0.00	0.27	-4.48	0.36

11n-HT20 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5180	12.21	-14.44	0.00		-2.23	0.60
5220	12.21	-13.56	0.00		-1.35	0.74
5240	12.22	-13.41	0.00		-1.19	0.77
5260	12.22	-13.03	0.00		-0.81	0.83
5300	12.22	-14.42	0.00		-2.20	0.61
5320	12.22	-15.56	0.00		-3.34	0.47
5500	12.23	-14.68	0.00		-2.45	0.57
5580	12.24	-14.07	0.00		-1.83	0.66
5700	12.25	-16.12	0.00		-3.87	0.42
5745	12.25	-17.16	0.00	0.27	-4.64	0.35
5785	12.25	-16.88	0.00	0.27	-4.36	0.37
5825	12.25	-17.18	0.00	0.27	-4.66	0.35

11n-HT20 Ant A + B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Power Spectral Density (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5180	0.50	0.60	1.10	0.41	11.00	10.59
5220	0.57	0.74	1.31	1.17	11.00	9.83
5240	0.64	0.77	1.41	1.49	11.00	9.51
5260	0.58	0.83	1.41	1.49	11.00	9.51
5300	0.49	0.61	1.10	0.41	11.00	10.59
5320	0.30	0.47	0.77	-1.14	11.00	12.14
5500	0.44	0.57	1.01	0.04	11.00	10.96
5580	0.36	0.66	1.02	0.09	11.00	10.91
5700	0.26	0.42	0.68	-1.67	11.00	12.67
5745	0.33	0.35	0.68	-1.67	30.00	31.67
5785	0.33	0.37	0.70	-1.55	30.00	31.55
5825	0.36	0.35	0.71	-1.49	30.00	31.49



11n-HT40 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5190	12.21	-19.33	0.00		-7.12	0.20
5230	12.22	-18.61	0.00		-6.39	0.23
5270	12.22	-18.77	0.00		-6.55	0.23
5310	12.22	-19.51	0.00		-7.29	0.19
5510	12.23	-21.45	0.00		-9.22	0.12
5550	12.24	-19.63	0.00		-7.39	0.19
5670	12.25	-20.81	0.00		-8.56	0.14
5755	12.25	-23.46	0.00	0.27	-10.94	0.09
5795	12.25	-23.71	0.00	0.27	-11.19	0.08

11n-HT40 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5190	12.21	-17.85	0.00		-5.64	0.28
5230	12.22	-17.71	0.00		-5.49	0.29
5270	12.22	-17.17	0.00		-4.95	0.32
5310	12.22	-18.52	0.00		-6.30	0.24
5510	12.23	-20.11	0.00		-7.88	0.17
5550	12.24	-18.64	0.00		-6.40	0.23
5670	12.25	-19.46	0.00		-7.21	0.20
5755	12.25	-21.74	0.00	0.27	-9.22	0.12
5795	12.25	-21.86	0.00	0.27	-9.34	0.12

11n-HT40 Ant A + B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Power Spectral Density (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5190	0.20	0.28	0.48	-3.19	11.00	14.19
5230	0.23	0.29	0.52	-2.84	11.00	13.84
5270	0.23	0.32	0.55	-2.60	11.00	13.60
5310	0.19	0.24	0.43	-3.67	11.00	14.67
5510	0.12	0.17	0.29	-5.38	11.00	16.38
5550	0.19	0.23	0.42	-3.77	11.00	14.77
5670	0.14	0.20	0.34	-4.69	11.00	15.69
5755	0.09	0.12	0.21	-6.78	30.00	36.78
5795	0.08	0.12	0.20	-6.99	30.00	36.99



11ac-HT20 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5180	12.21	-14.98	0.00	-	-2.77	0.53
5220	12.21	-15.06	0.00	-	-2.85	0.52
5240	12.22	-14.89	0.00	-	-2.67	0.55
5260	12.22	-15.16	0.00	-	-2.94	0.51
5300	12.22	-16.13	0.00	-	-3.91	0.41
5320	12.22	-17.67	0.00	-	-5.45	0.29
5500	12.23	-16.34	0.00	-	-4.11	0.39
5580	12.24	-17.08	0.00	-	-4.84	0.33
5700	12.25	-18.60	0.00	-	-6.35	0.24
5745	12.25	-19.30	0.00	0.27	-6.78	0.21
5785	12.25	-19.19	0.00	0.27	-6.67	0.22
5825	12.25	-19.71	0.00	0.27	-7.19	0.20

11ac-HT20 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5180	12.21	-14.42	0.00	-	-2.21	0.61
5220	12.21	-13.81	0.00	-	-1.60	0.70
5240	12.22	-14.24	0.00	-	-2.02	0.63
5260	12.22	-13.84	0.00	-	-1.62	0.69
5300	12.22	-14.76	0.00	-	-2.54	0.56
5320	12.22	-16.20	0.00	-	-3.98	0.40
5500	12.23	-15.18	0.00	-	-2.95	0.51
5580	12.24	-14.30	0.00	-	-2.06	0.63
5700	12.25	-16.81	0.00	-	-4.56	0.35
5745	12.25	-17.83	0.00	0.27	-5.31	0.30
5785	12.25	-18.28	0.00	0.27	-5.76	0.27
5825	12.25	-18.40	0.00	0.27	-5.88	0.26

11ac-HT20 Ant A + B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Power Spectral Density (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5180	0.53	0.61	1.14	0.57	11.00	10.43
5220	0.52	0.70	1.22	0.86	11.00	10.14
5240	0.55	0.63	1.18	0.72	11.00	10.28
5260	0.51	0.69	1.20	0.79	11.00	10.21
5300	0.41	0.56	0.97	-0.13	11.00	11.13
5320	0.29	0.40	0.69	-1.61	11.00	12.61
5500	0.39	0.51	0.90	-0.46	11.00	11.46
5580	0.33	0.63	0.96	-0.18	11.00	11.18
5700	0.24	0.35	0.59	-2.29	11.00	13.29
5745	0.21	0.30	0.51	-2.92	30.00	32.92
5785	0.22	0.27	0.49	-3.10	30.00	33.10
5825	0.20	0.26	0.46	-3.37	30.00	33.37



11ac-HT40 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5190	12.21	-19.34	0.00		-7.13	0.20
5230	12.22	-19.22	0.00		-7.00	0.20
5270	12.22	-19.23	0.00		-7.01	0.20
5310	12.22	-20.07	0.00		-7.85	0.17
5510	12.23	-21.25	0.00		-9.02	0.13
5550	12.24	-19.68	0.00		-7.44	0.19
5670	12.25	-20.39	0.00		-8.14	0.16
5755	12.25	-22.78	0.00	0.27	-10.26	0.10
5795	12.25	-23.65	0.00	0.27	-11.13	0.08

11ac-HT40 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5190	12.21	-18.46	0.00		-6.25	0.24
5230	12.22	-17.98	0.00		-5.76	0.27
5270	12.22	-17.73	0.00		-5.51	0.29
5310	12.22	-18.47	0.00		-6.25	0.24
5510	12.23	-20.40	0.00		-8.17	0.16
5550	12.24	-18.42	0.00		-6.18	0.25
5670	12.25	-19.38	0.00		-7.13	0.20
5755	12.25	-21.60	0.00	0.27	-9.08	0.13
5795	12.25	-21.82	0.00	0.27	-9.30	0.12

11ac-HT40 Ant A + B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Power Spectral Density (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5190	0.20	0.24	0.44	-3.57	11.00	14.57
5230	0.20	0.27	0.47	-3.28	11.00	14.28
5270	0.20	0.29	0.49	-3.10	11.00	14.10
5310	0.17	0.24	0.41	-3.87	11.00	14.87
5510	0.13	0.16	0.29	-5.38	11.00	16.38
5550	0.19	0.25	0.44	-3.57	11.00	14.57
5670	0.16	0.20	0.36	-4.44	11.00	15.44
5755	0.10	0.13	0.23	-6.38	30.00	36.38
5795	0.08	0.12	0.20	-6.99	30.00	36.99



## 11ac-HT80 Ant A

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5210	12.21	-21.80	0.00		-9.59	0.11
5290	12.22	-23.96	0.00		-11.74	0.07
5530	12.23	-22.55	0.00		-10.32	0.10
5610	12.24	-22.54	0.00		-10.30	0.10
5775	12.25	-26.90	0.00	0.27	-14.38	0.04

## 11ac-HT80 Ant B

Measured Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBm)	Duty Cycle Factor (dB)	Conversion Factor RBW(470kHz to 500kHz) (dB)	Power Spectral Density	
					(dBm)	(mW)
5210	12.21	-20.90	0.00		-8.69	0.14
5290	12.22	-23.25	0.00		-11.03	0.08
5530	12.23	-21.41	0.00		-9.18	0.13
5610	12.24	-21.67	0.00		-9.43	0.12
5775	12.25	-25.41	0.00	0.27	-12.89	0.06

## 11ac-HT80 Ant A + B

Measured Frequency (MHz)	Ant A (mW)	Ant B (mW)	Power Spectral Density (Ant A + B)		Limit (dBm)	Margin for Limit (dB)
			(mW)	(dBm)		
5210	0.11	0.14	0.25	-6.02	11.00	17.02
5290	0.07	0.08	0.15	-8.24	11.00	19.24
5530	0.10	0.13	0.23	-6.38	11.00	17.38
5610	0.10	0.12	0.22	-6.58	11.00	17.58
5775	0.04	0.06	0.10	-10.00	30.00	40.00

## [Note]

- (1) Correction Factor includes the cable loss and attenuator loss.  
(2) See next page figure.

## [Calculation method]

Maximum Power Spectral Density (dBm)

= Meter Reading (dBm) + Correction Factor (dB) + Duty Cycle Factor (dB) (\*) + Conversion Factor (dB)

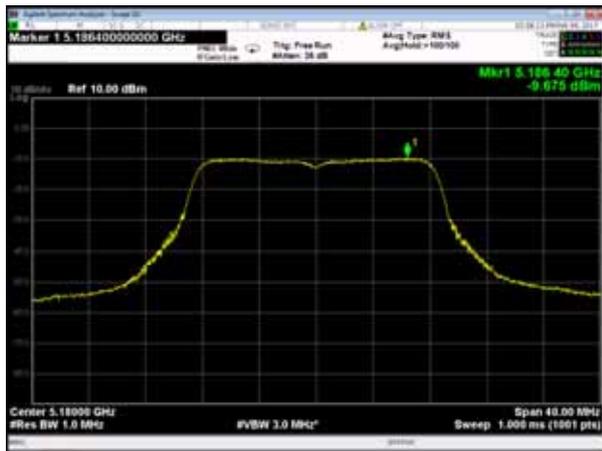
(\*) See page 41.

Tested Date	Environment	
	Temperature	Humidity
9 February 2017	22 °C	35 %

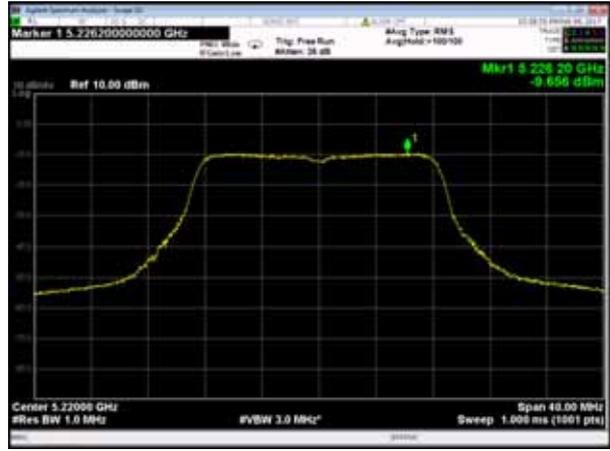


11a

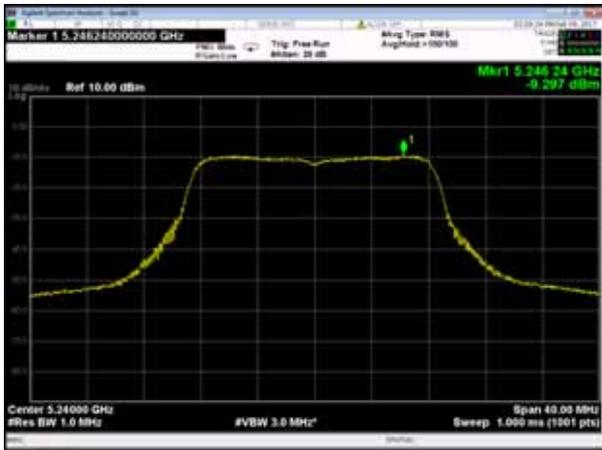
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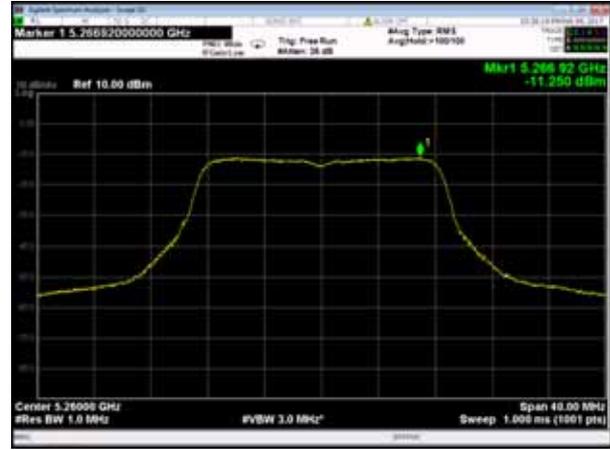
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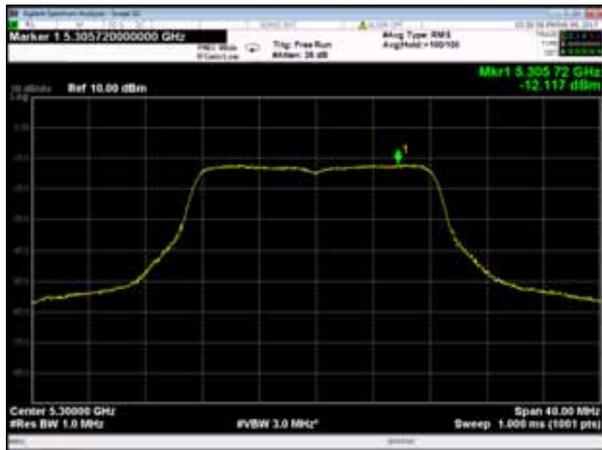
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5260MHz

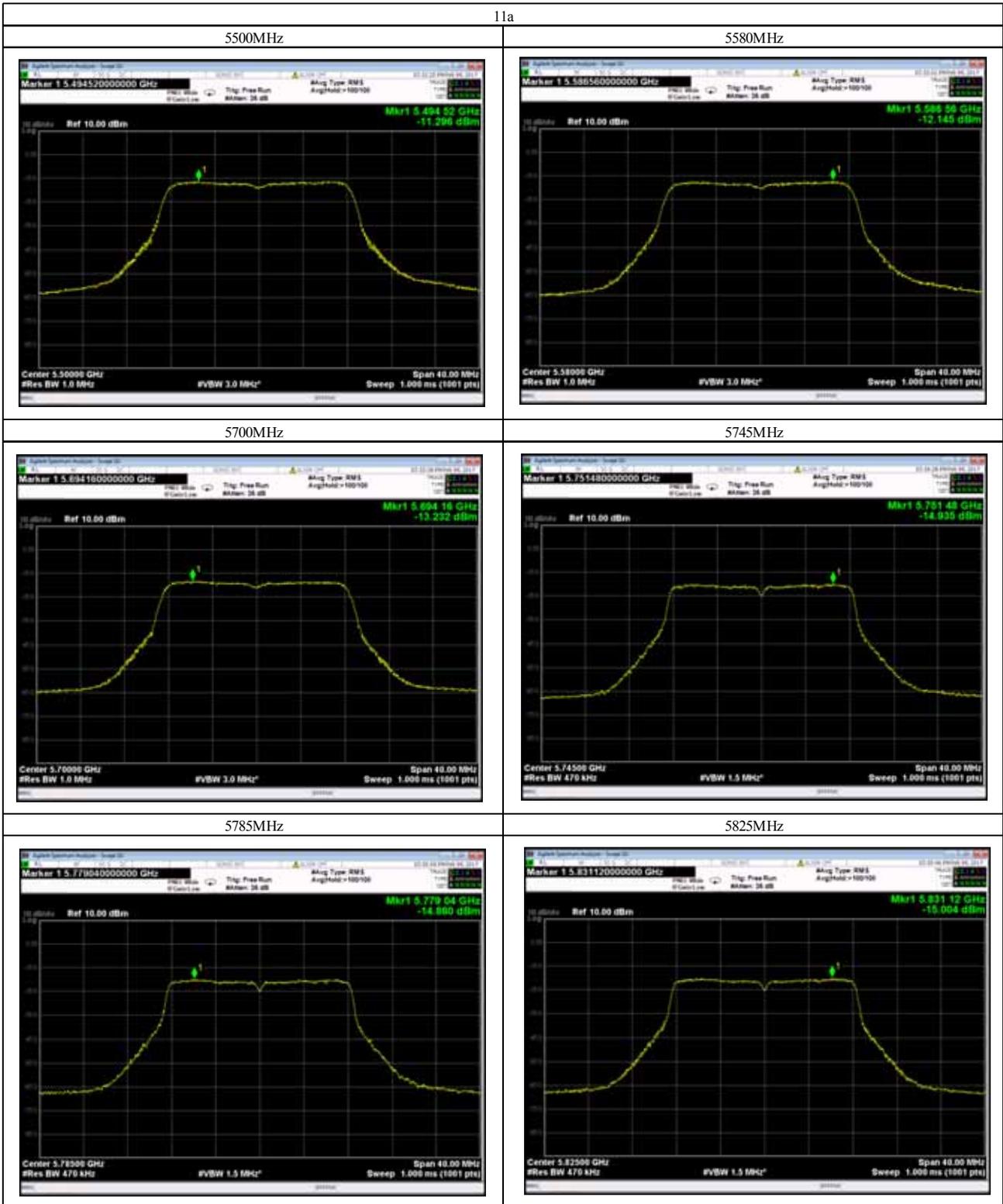


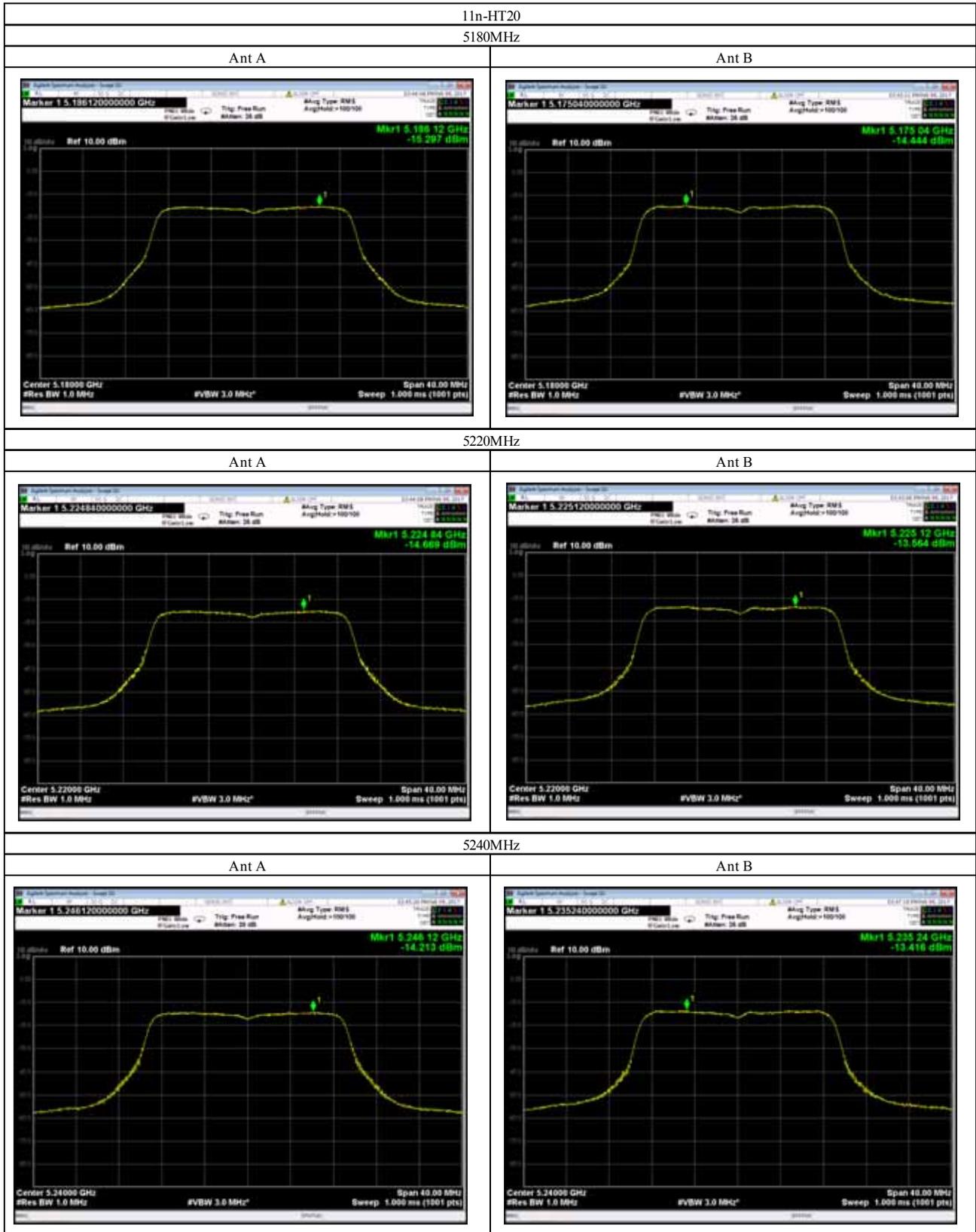
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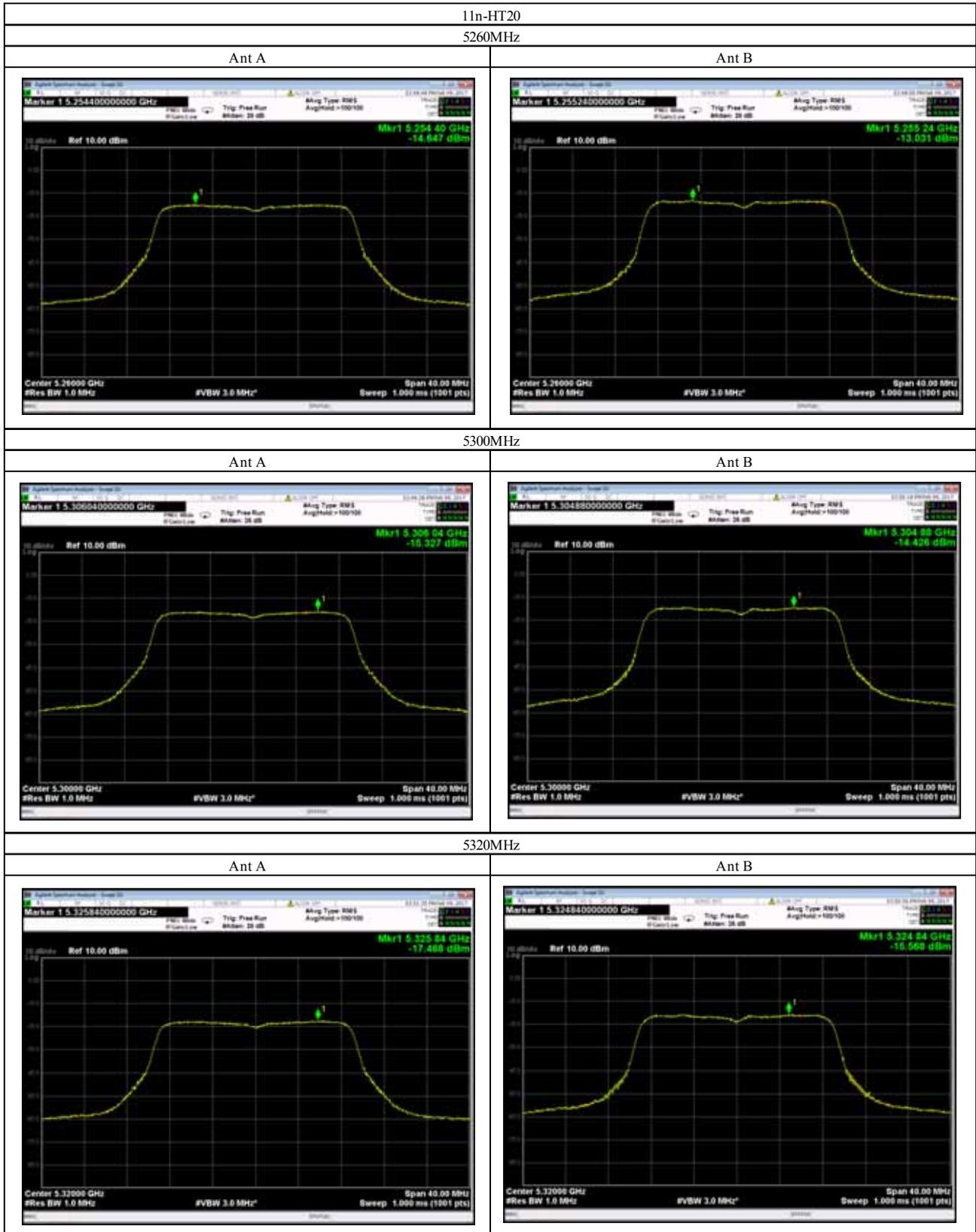


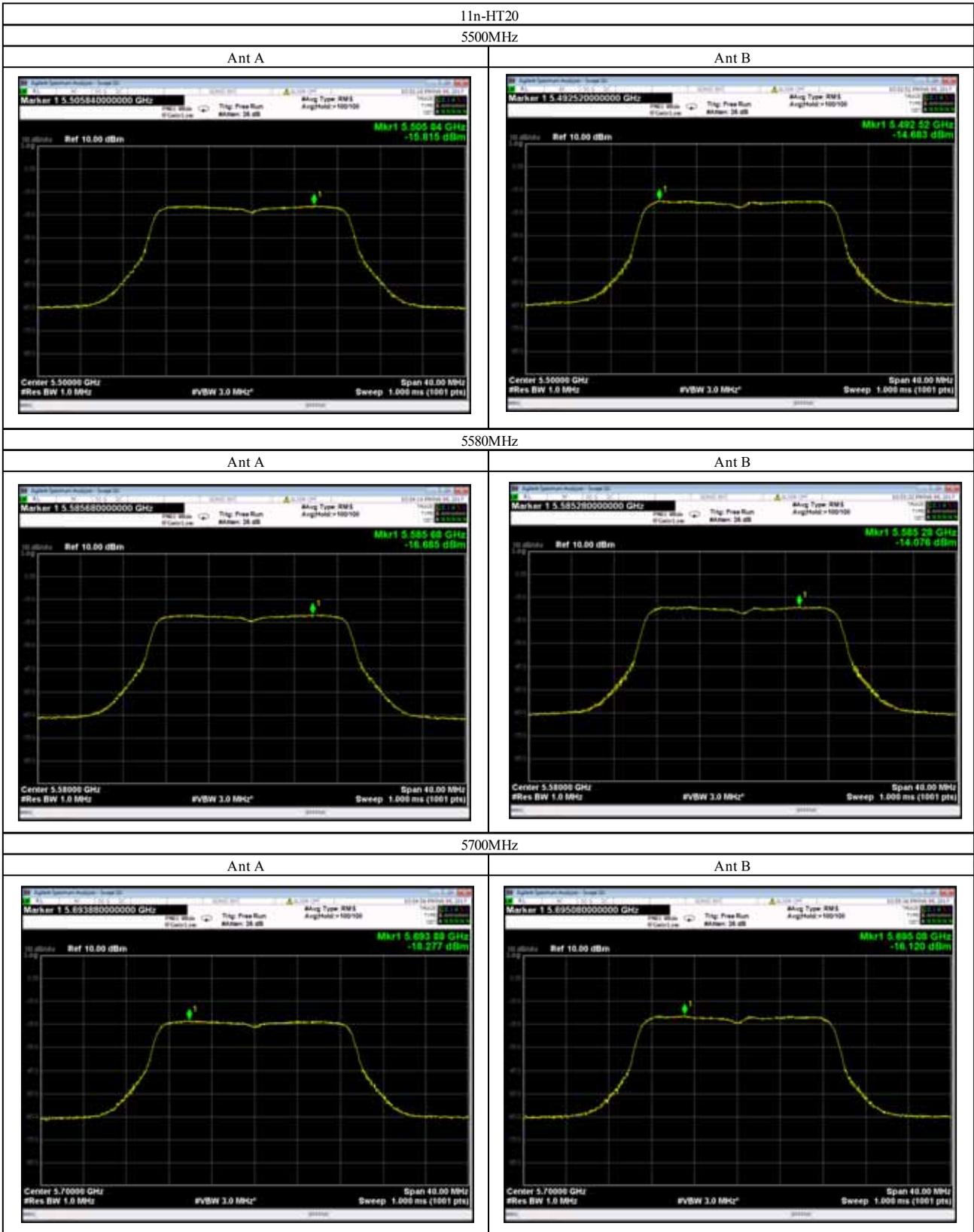
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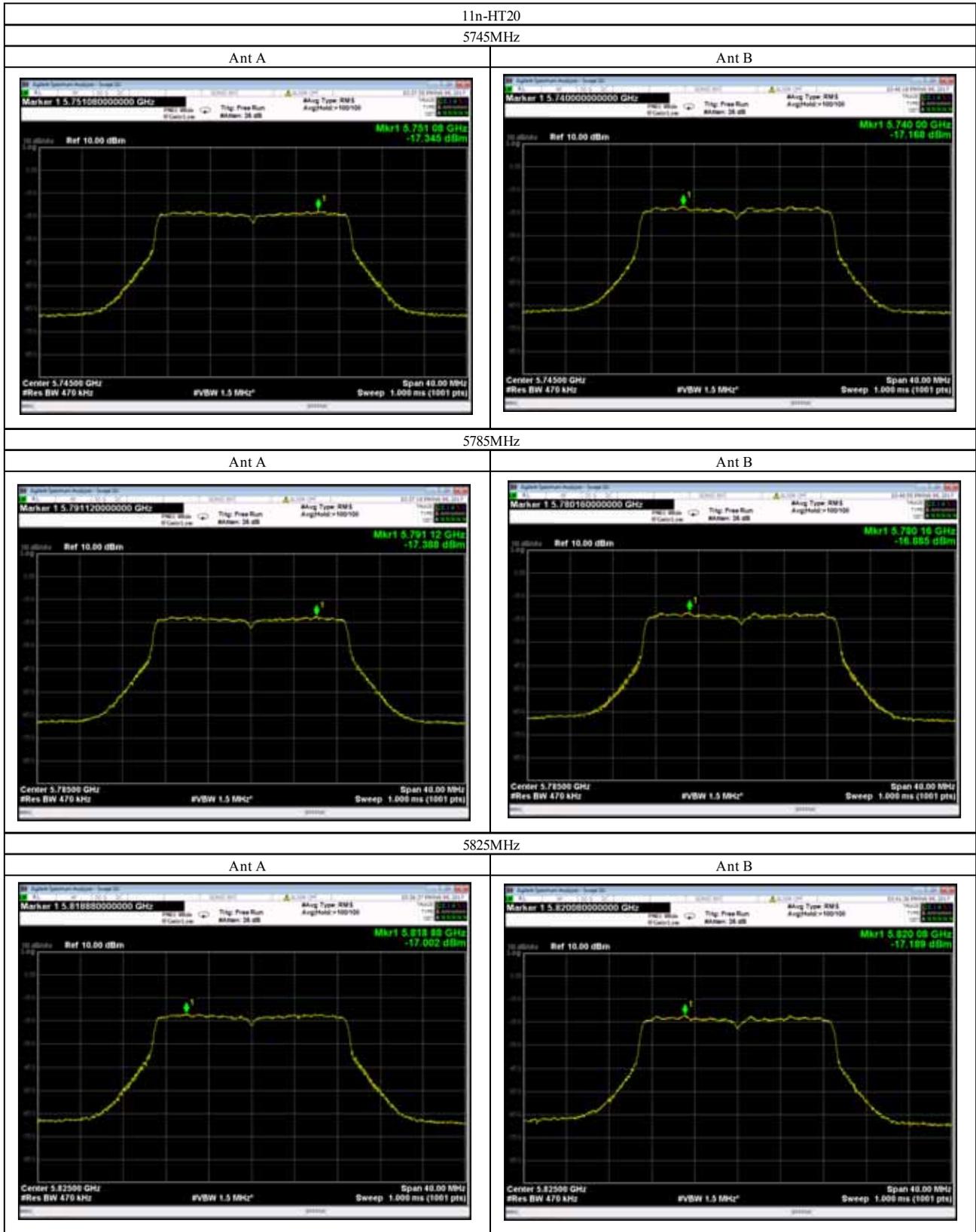


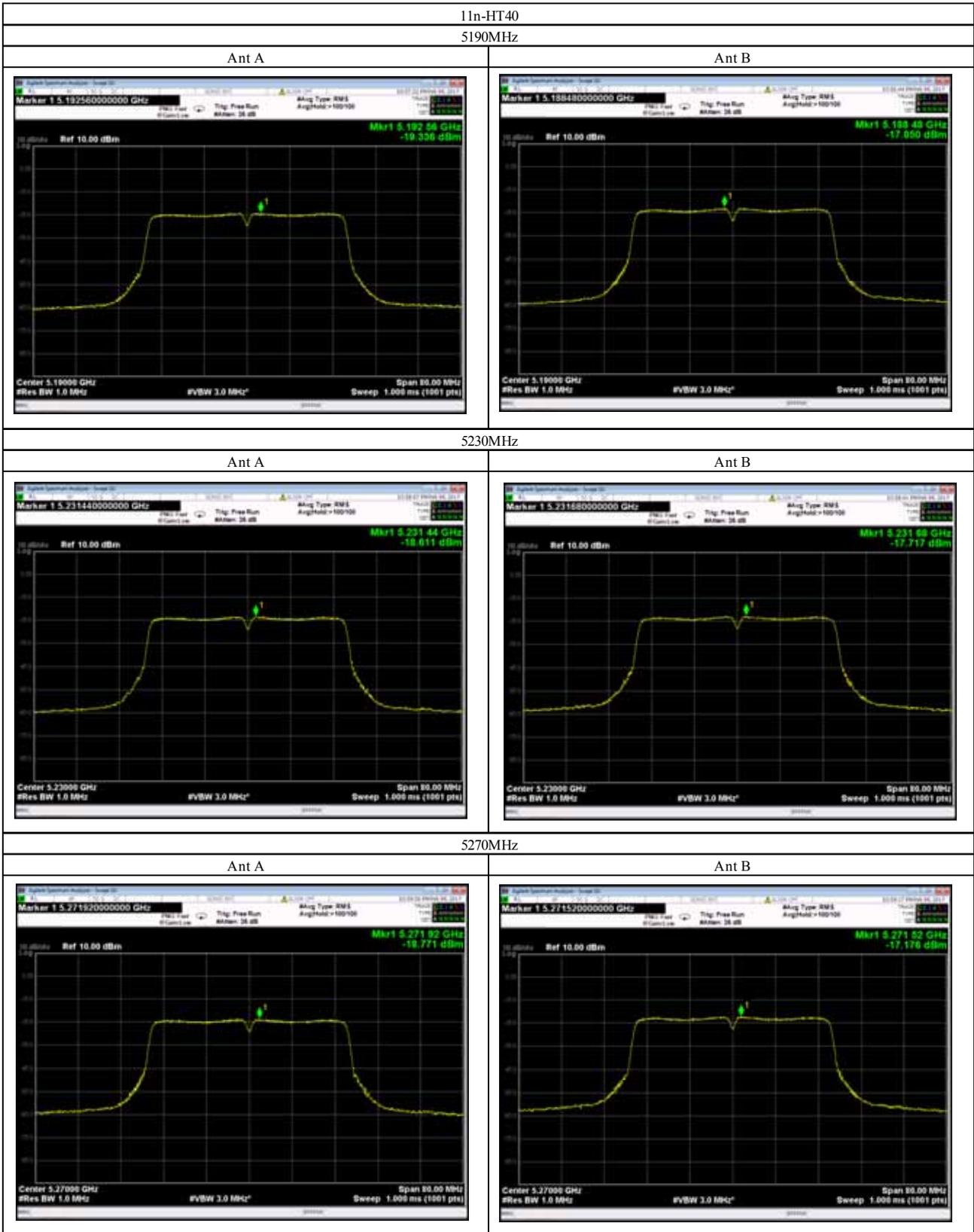


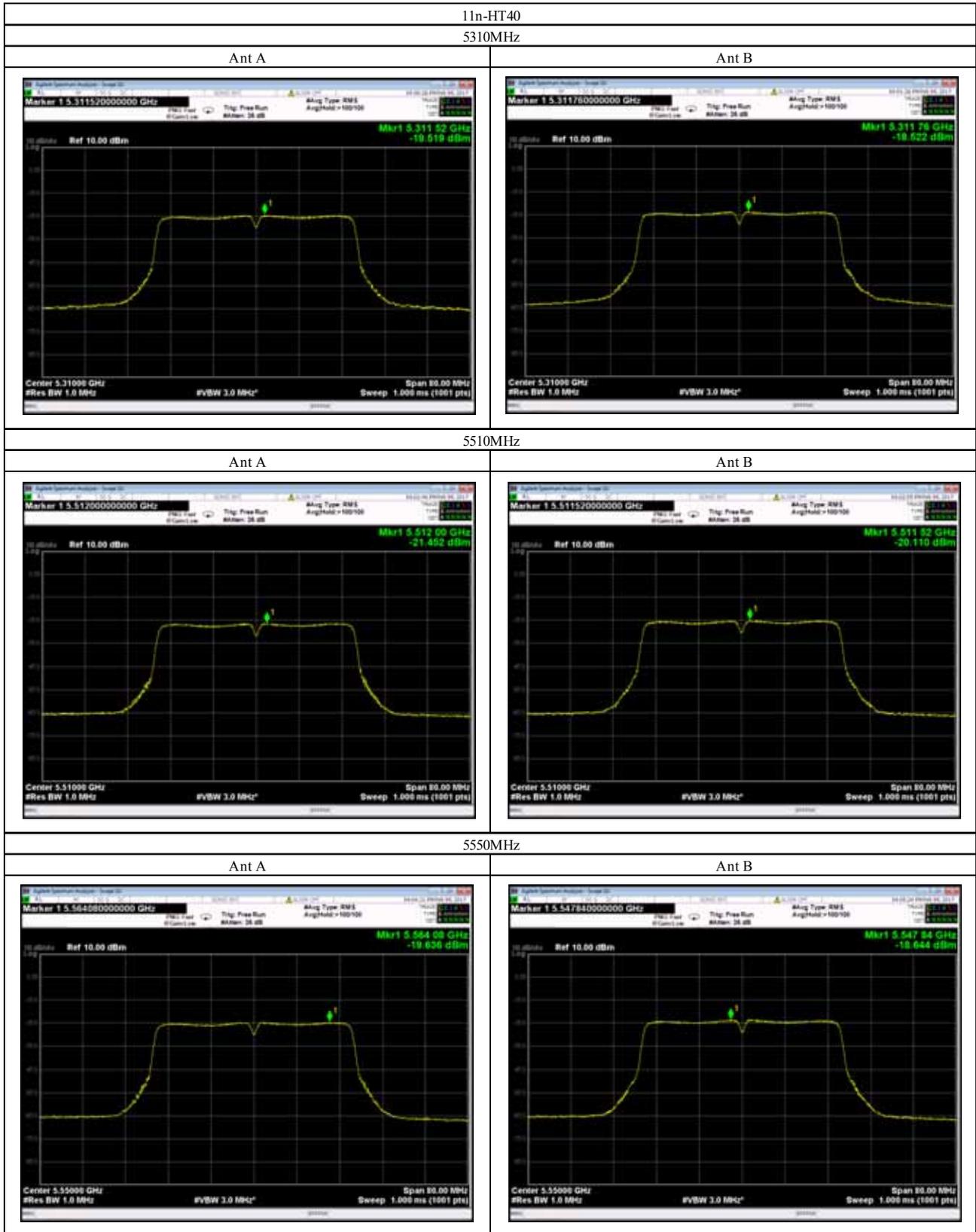


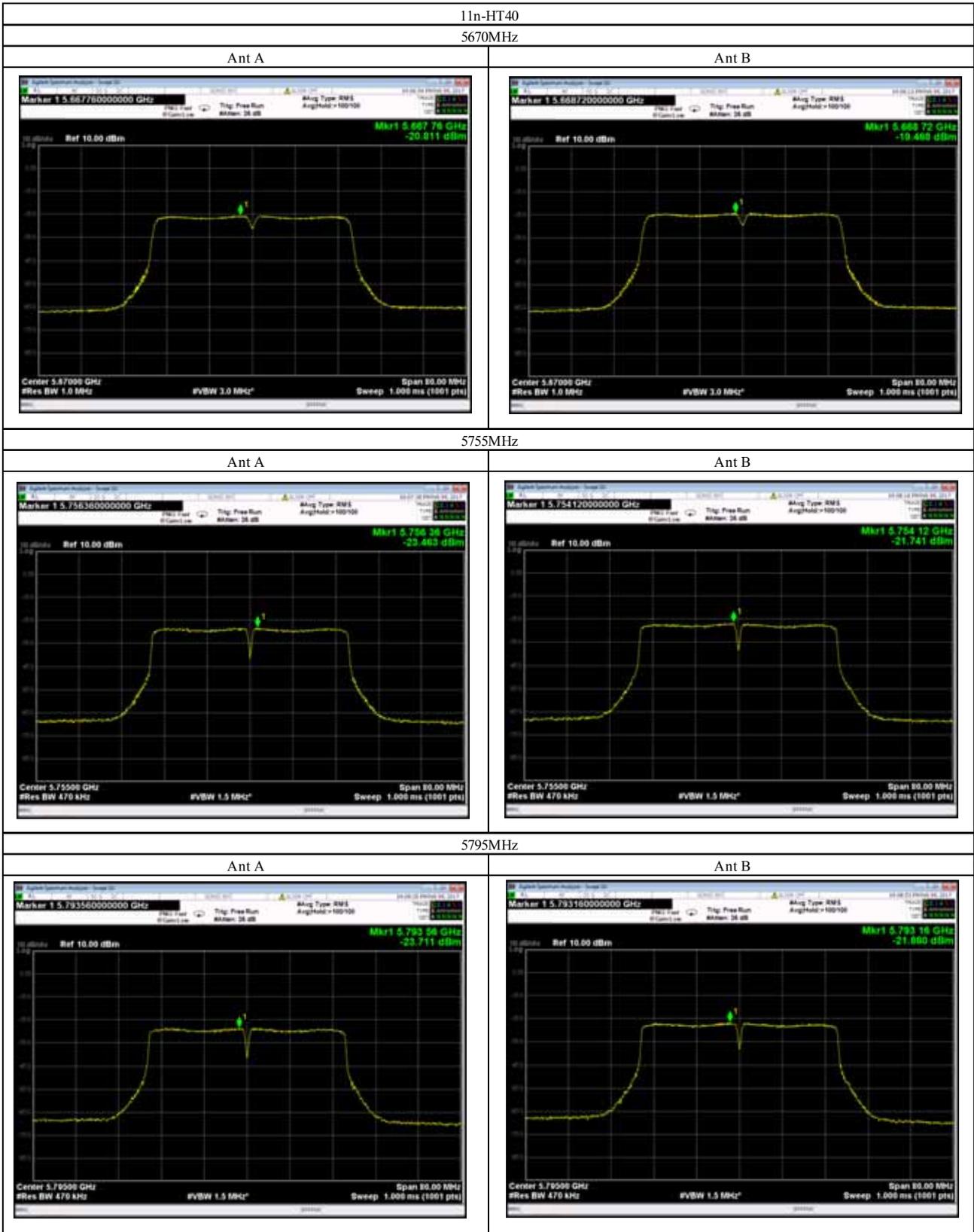


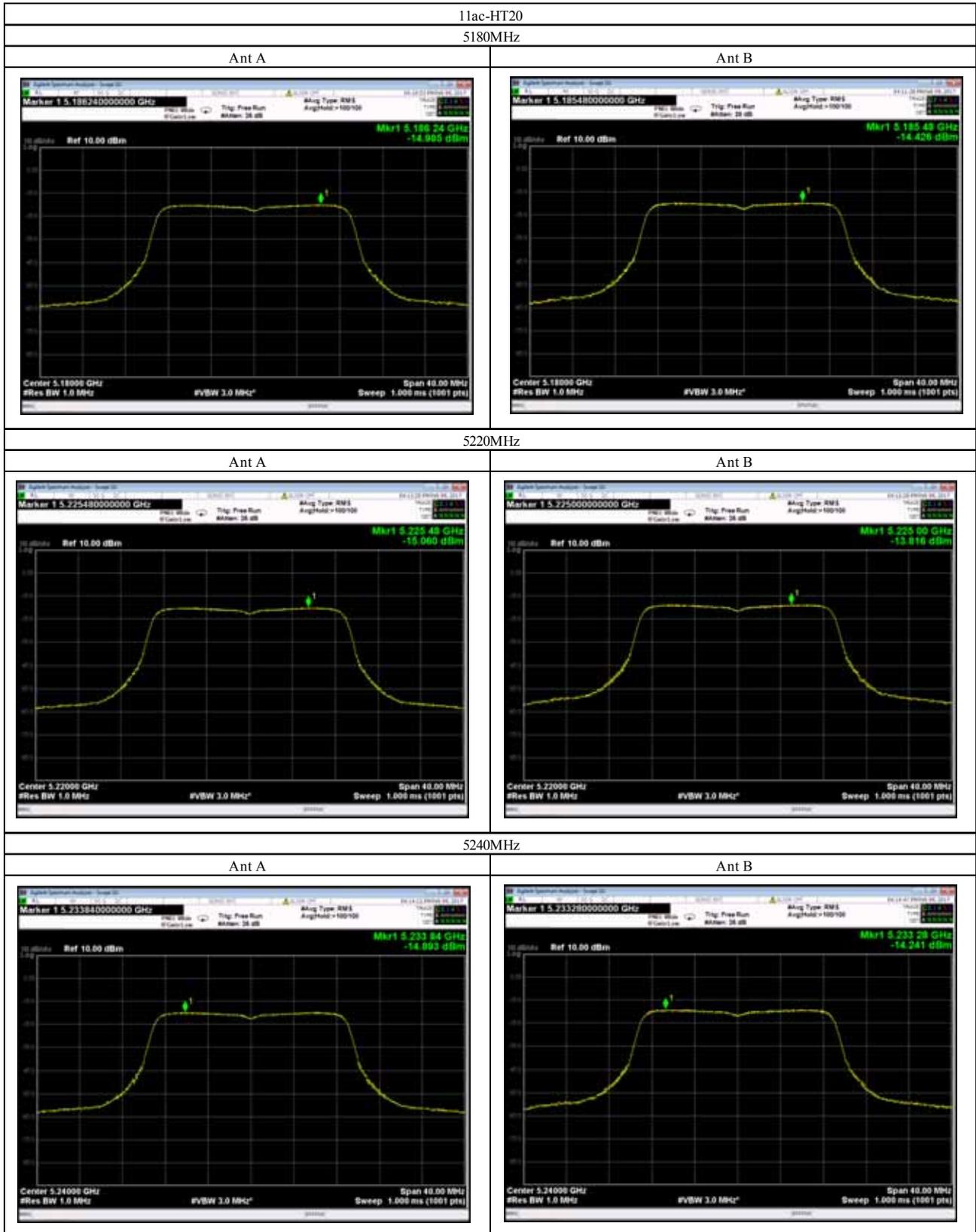


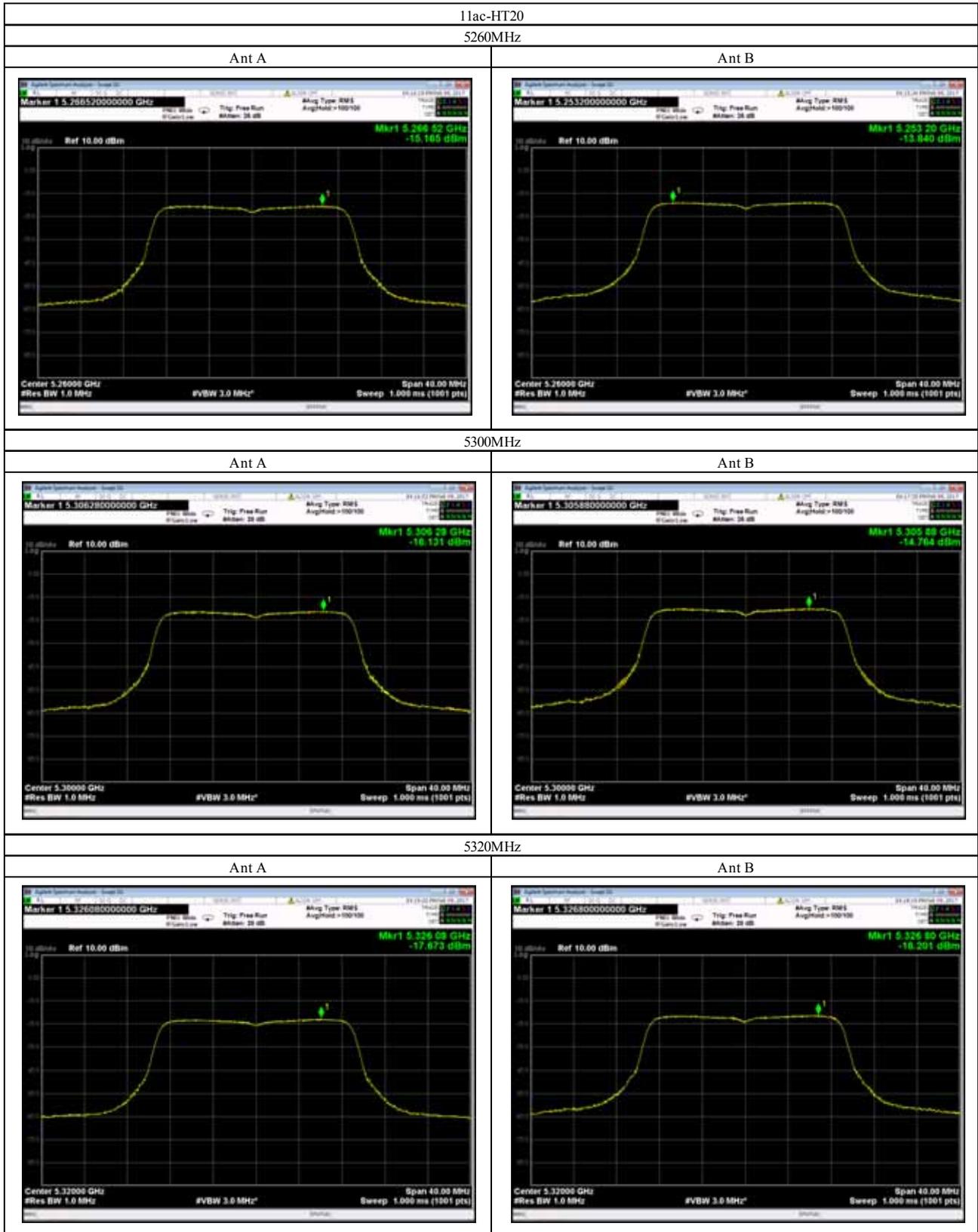


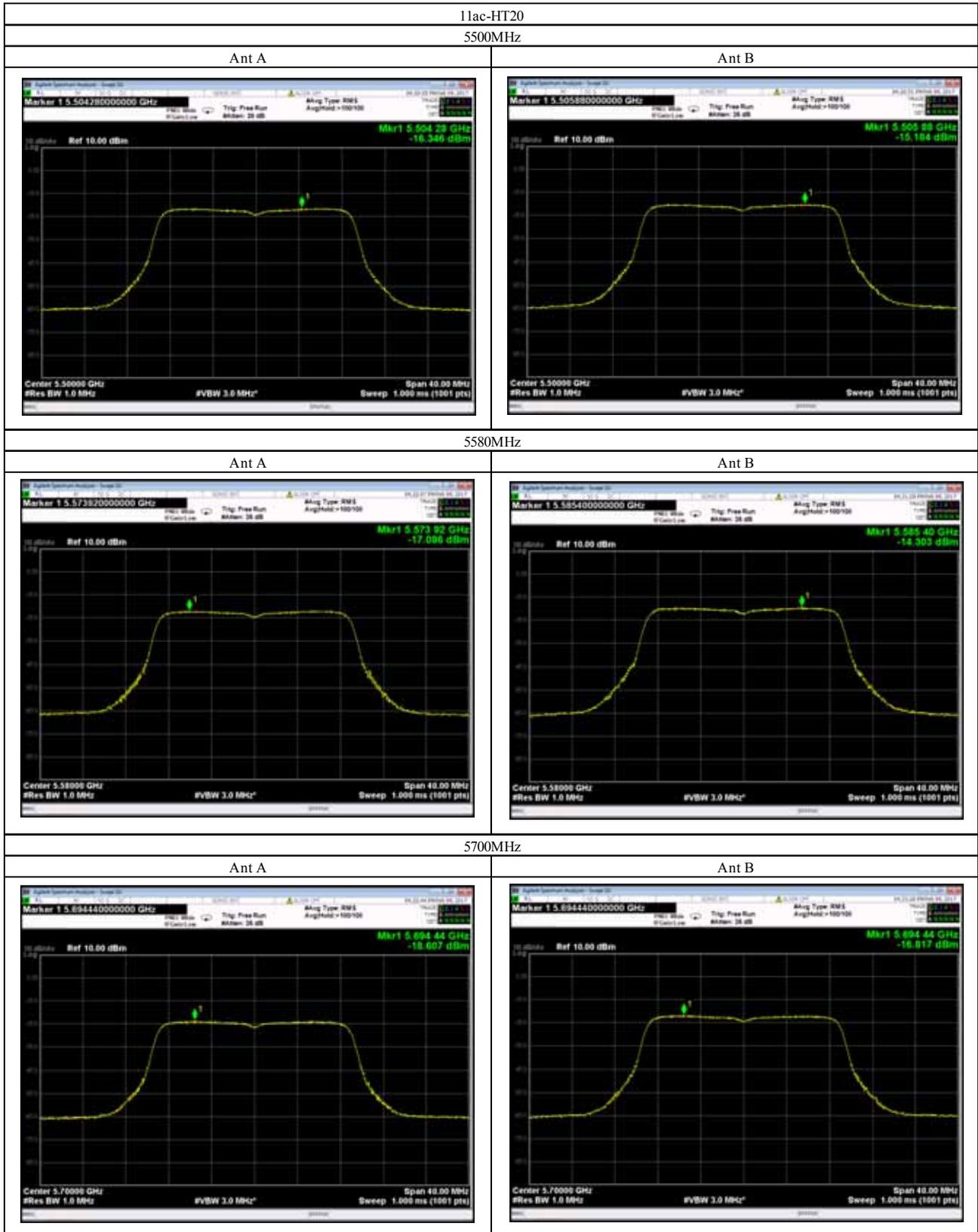


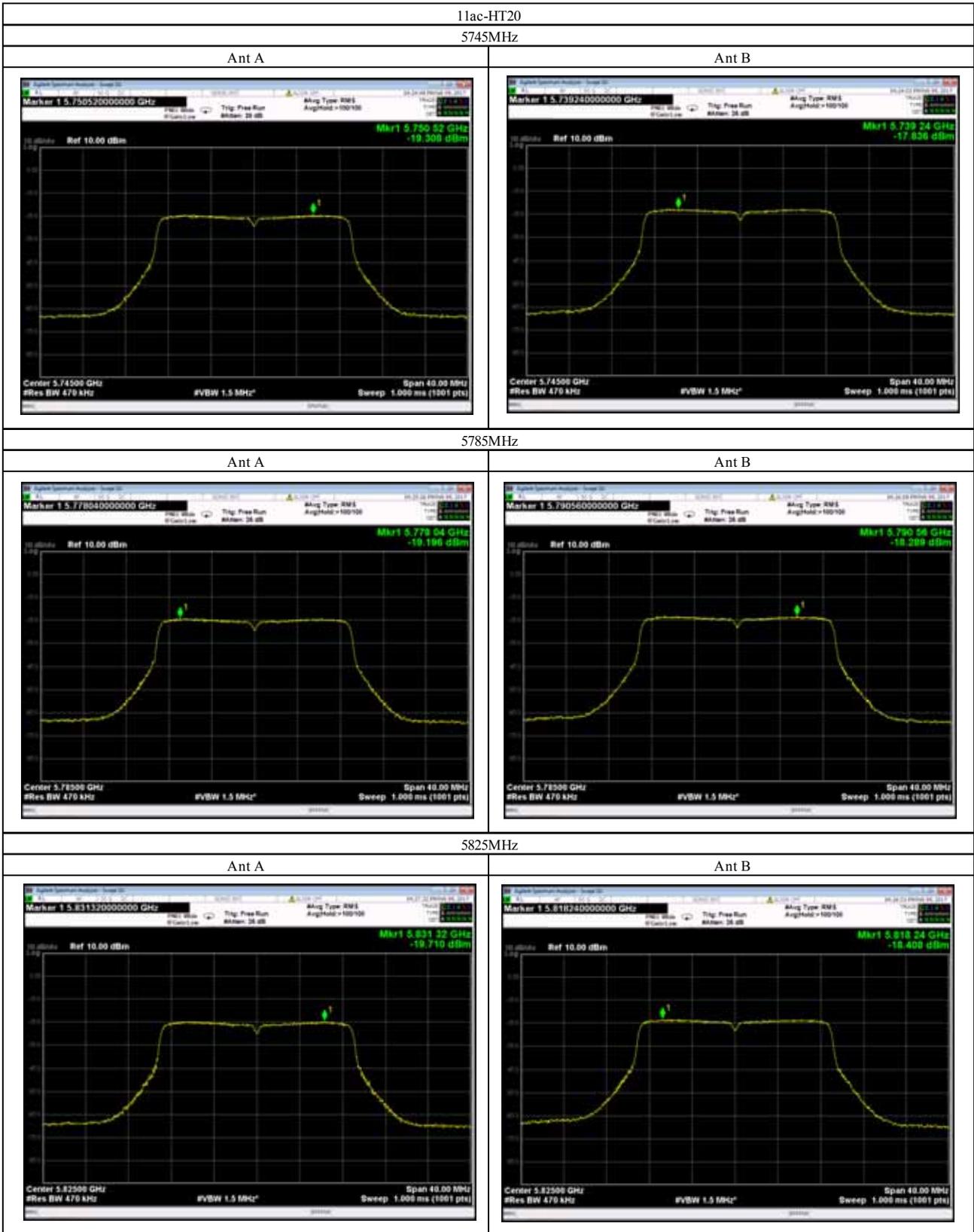


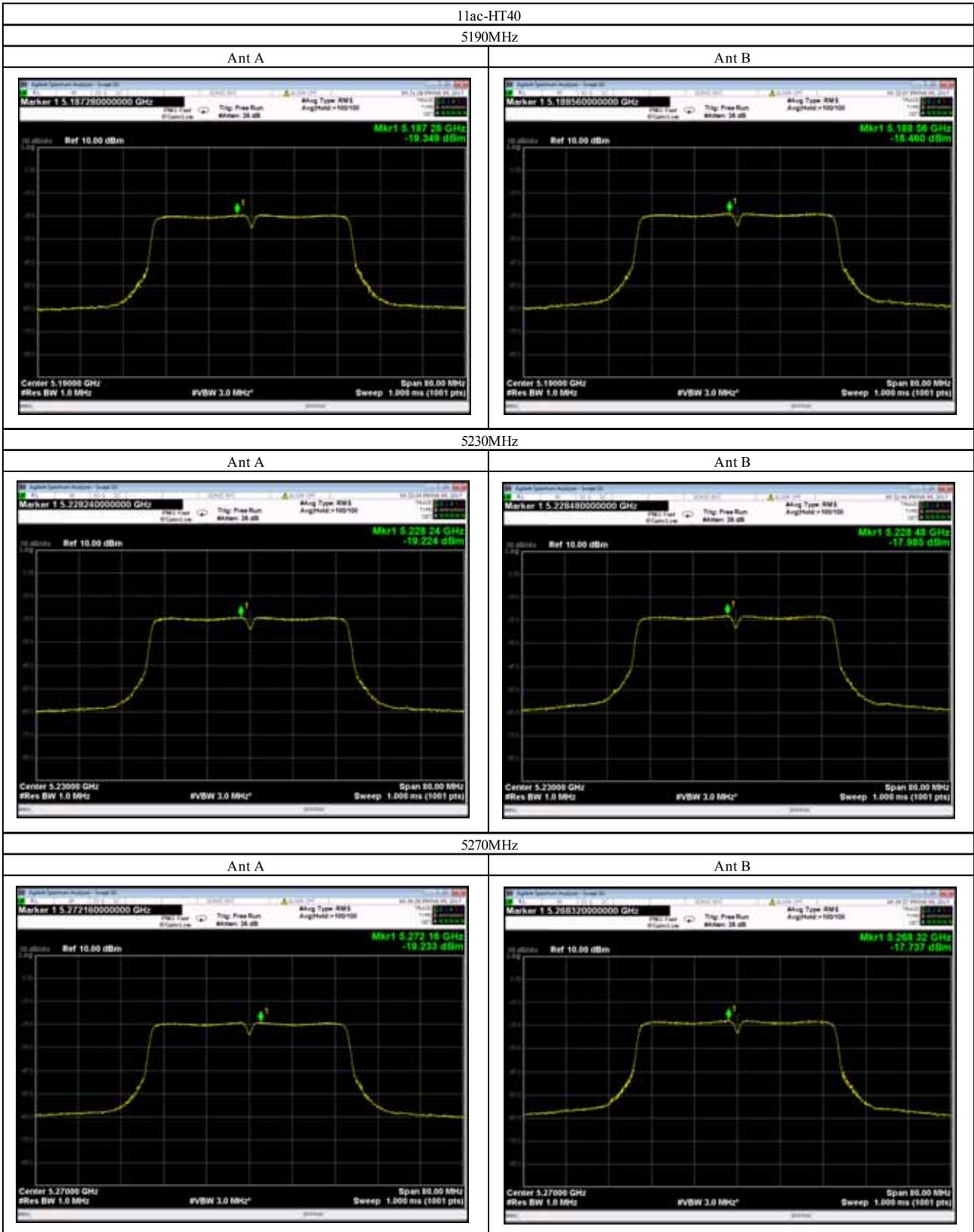


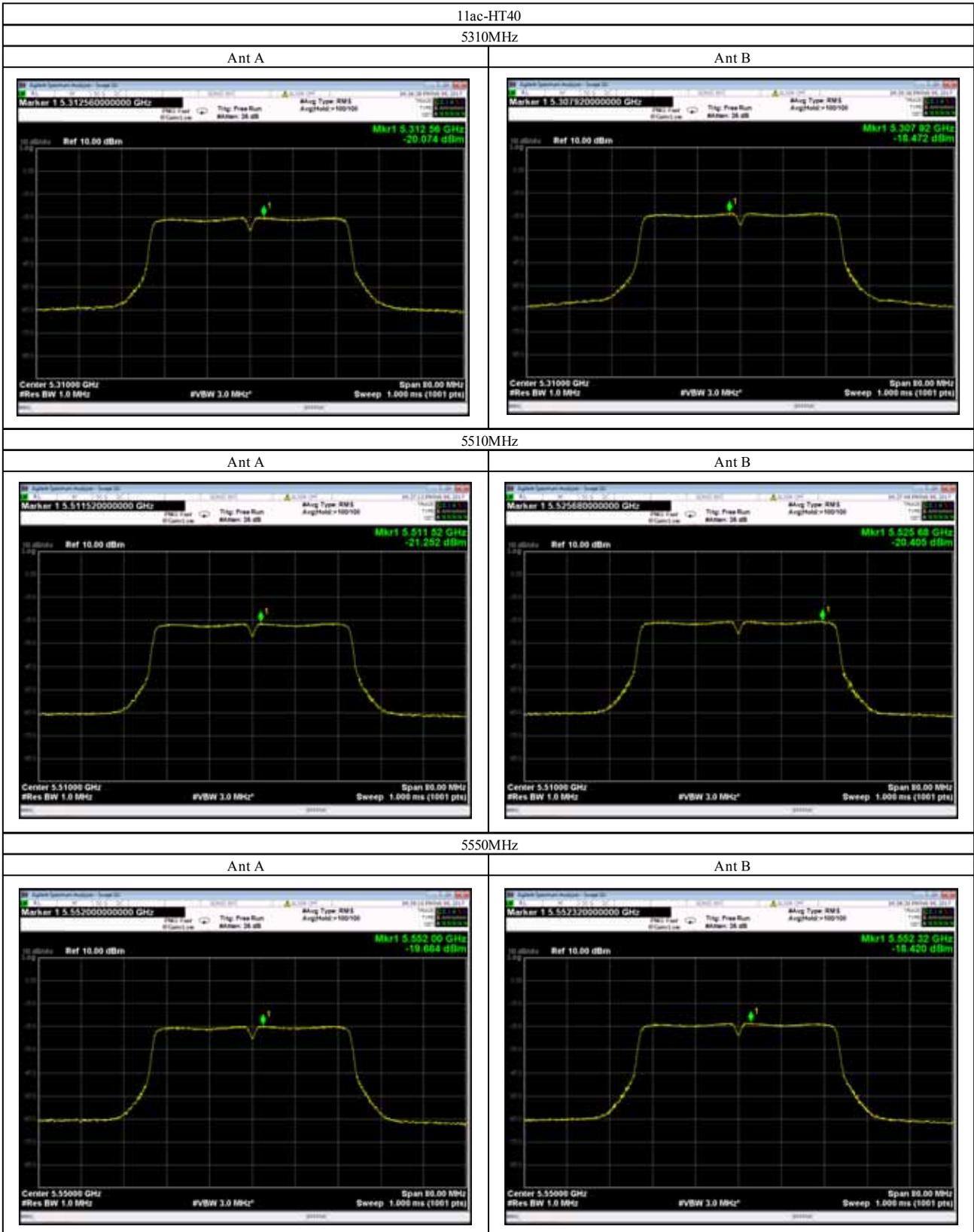


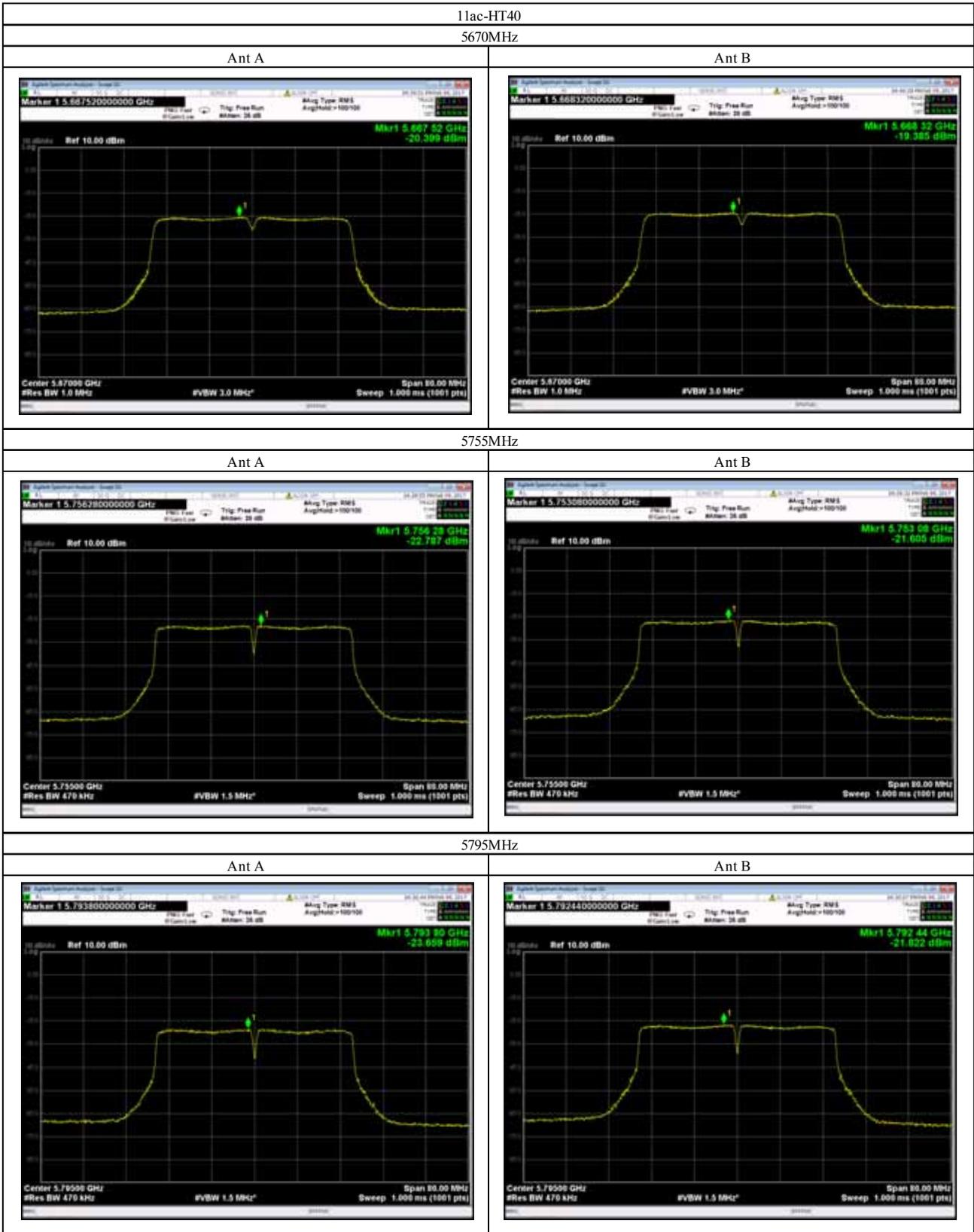


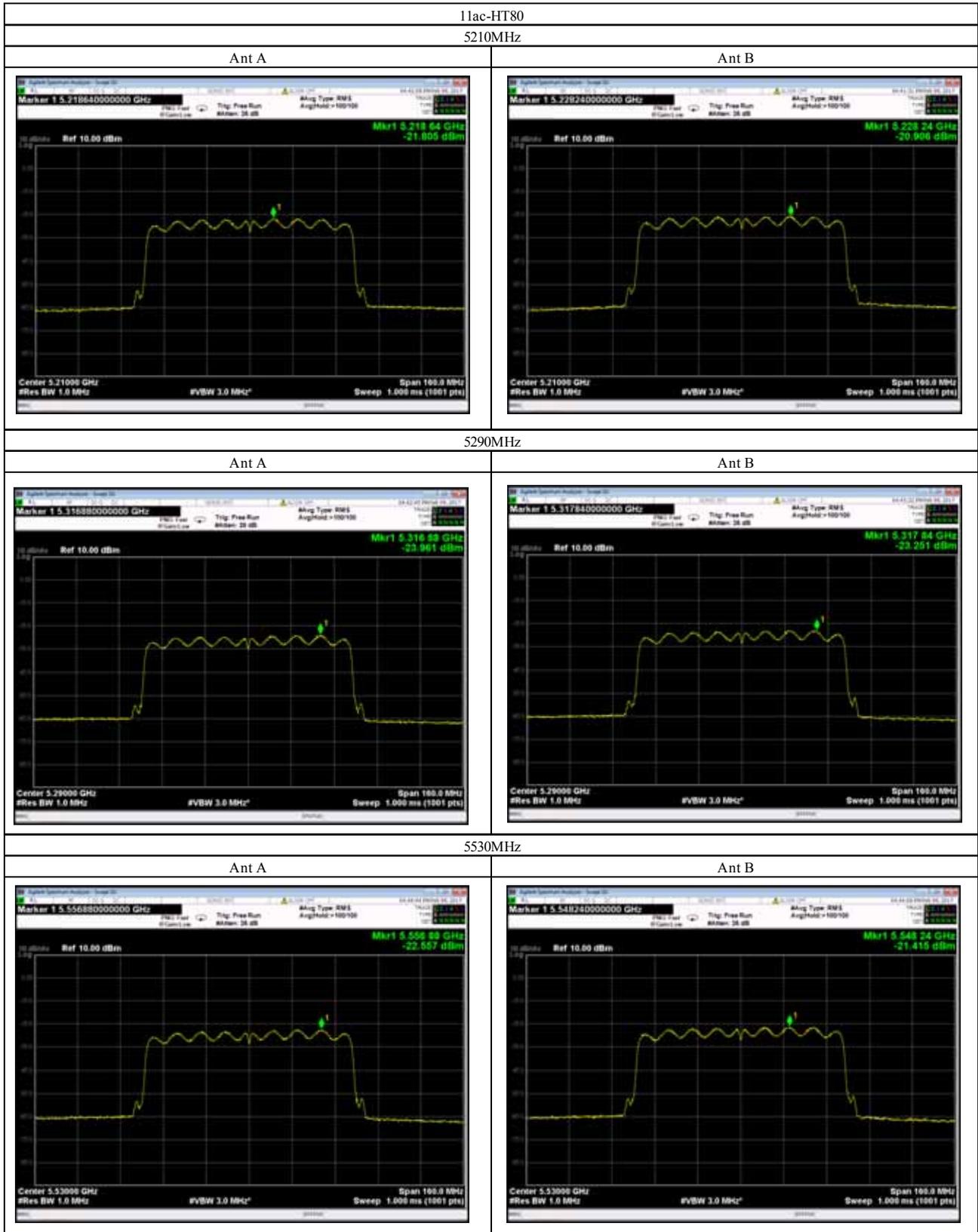


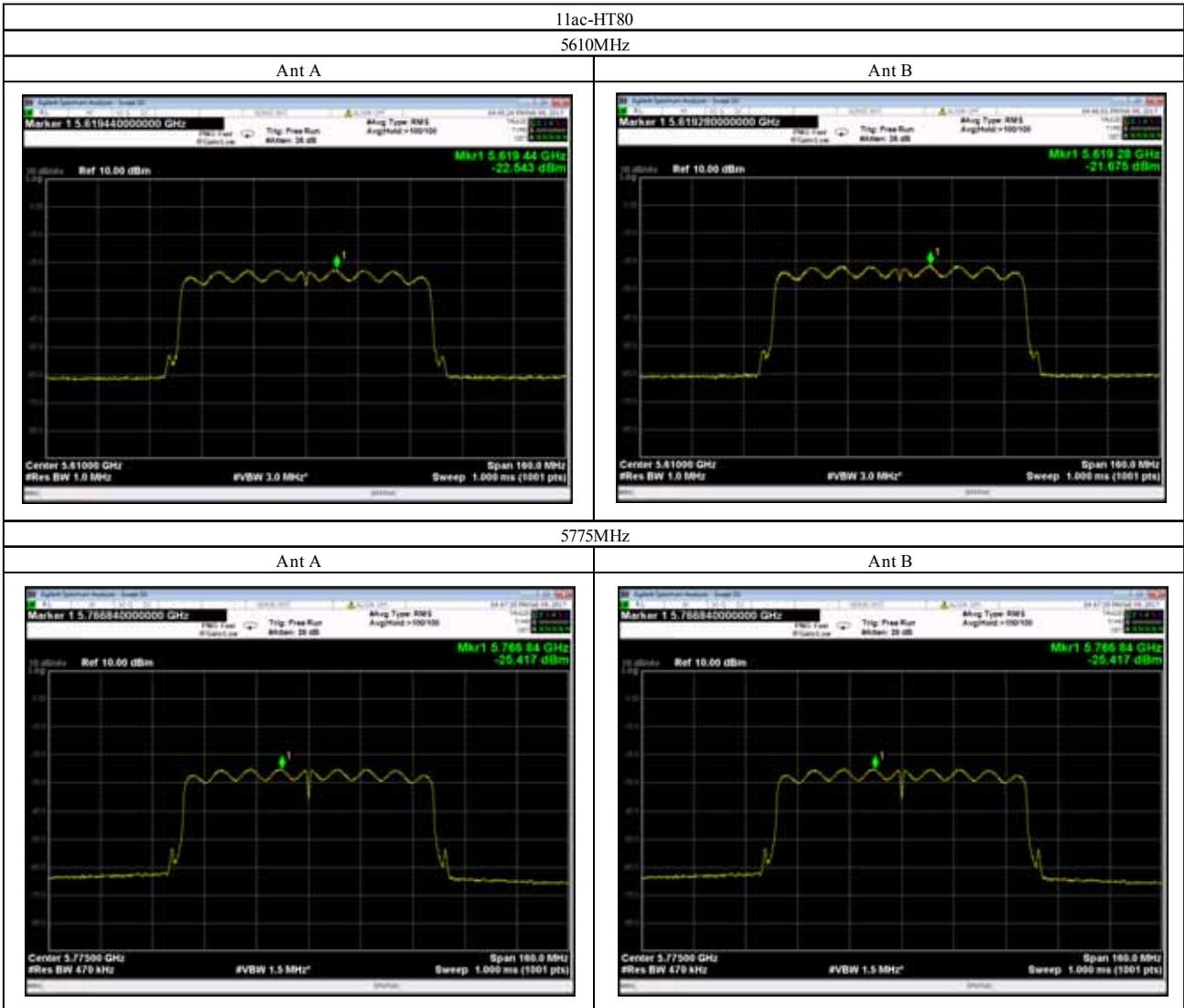












## 9. SPURIOUS EMISSION

### 9.1. Test Procedure

<p>Radiated measurement</p> <ol style="list-style-type: none"> <li>(1) The EUT is placed in accordance with ANSI C63.10.</li> <li>(2) The EUT is activated as to simulate an wort datarate.</li> <li>(3) To find out the maximum emission of the configuration of the EUT System, the position of the cables are changed, then preliminary radiated measurement are performed using the spectrum analyzer ,the broad band antenna and the horn antenna.</li> <li>(4) The spectrums are scanned from 30MHz to 1GHz, and collect the highest emissions on the spectrum analyzer (*1) relative to the limits in the whole range. In the frequency above 1GHz, it is performed using the spectrum analyzer (*1) and the horn antenna.</li> <li>(5) The highest emissions are measured at the specified distance using the test receiver (*2) and the broad band antenna or the tuned dipole. In the frequency above 1GHz, the measurements are performed by Bore-sight method using the spectrum analyzer (*3) and the horn antenna (*4).</li> </ol> <p>Conducted measurement</p> <ol style="list-style-type: none"> <li>(1) Connect the EUT RF output port to the spectrum analyzer (*5) via calibrated coaxial cable and suitable attenuator (if necessary).</li> <li>(2) The EUT is activated as to simulate an wort data rate.</li> </ol>															
<p>[Note]</p> <p>(*1) Spectrum Analyzer Set Up Conditions (Pre-measurement)</p> <p style="margin-left: 20px;">Frequency range : 30MHz – 1GHz / 1GHz – Upper frequency of measurement range</p> <p style="margin-left: 20px;">Resolution bandwidth : 100kHz / 1MHz</p> <p style="margin-left: 20px;">Detector function : Peak</p> <p>(*2) Test Receiver Set Up Conditions</p> <p style="margin-left: 20px;">Detector function : Quasi – Peak</p> <p style="margin-left: 20px;">IF bandwidth : 120kHz (6dB Bandwidth)</p> <hr/> <p>(*3) Peak measurement Set Up Conditions</p> <p style="margin-left: 20px;">Resolution bandwidth : 1MHz (Impulse Bandwidth)</p> <p style="margin-left: 20px;">Video bandwidth : 3 x RBW</p> <p style="margin-left: 20px;">Detector function : Peak</p> <p style="margin-left: 20px;">Trace : Max Hold</p> <p style="margin-left: 20px;">Average measurement Set Up Conditions</p> <p style="margin-left: 40px;">Resolution bandwidth : 1MHz (Impulse Bandwidth)</p> <p style="margin-left: 40px;">Video bandwidth : 3MHz</p> <p style="margin-left: 40px;">Detector function : RMS</p> <p style="margin-left: 40px;">Trace : Trace Average 100 times</p> <hr/> <p>(*4) Cover Area of Horn Antenna (3dB Beamwidth)</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Frequency [GHz]</th> <th>Cover Area [m] at distance 3m</th> <th>Cover Area [m] at distance 1m</th> </tr> </thead> <tbody> <tr> <td>1.0-6.0</td> <td>1.89</td> <td>-</td> </tr> <tr> <td>5.8-12.4</td> <td>0.63</td> <td>0.21</td> </tr> <tr> <td>12.4-40.0</td> <td>0.47</td> <td>0.16</td> </tr> </tbody> </table> <hr/> <p>(*5) Spectrum Analyzer Set Up Conditions</p> <p style="margin-left: 20px;">Frequency range : 9kHz – 150kHz / 150kHz – 30MHz</p> <p style="margin-left: 20px;">Resolution bandwidth : 300Hz / 10kHz (6dB Bandwidth)</p> <p style="margin-left: 20px;">Video bandwidth : 3 x RBW</p> <p style="margin-left: 20px;">Detector function : Peak</p>				Frequency [GHz]	Cover Area [m] at distance 3m	Cover Area [m] at distance 1m	1.0-6.0	1.89	-	5.8-12.4	0.63	0.21	12.4-40.0	0.47	0.16
Frequency [GHz]	Cover Area [m] at distance 3m	Cover Area [m] at distance 1m													
1.0-6.0	1.89	-													
5.8-12.4	0.63	0.21													
12.4-40.0	0.47	0.16													

### 9.2. Test Software List

KEC No.	Software Name	Version	Manufacture
TF-059	TEPTO Radiated emission automatic measurement	2.6.0163	TSJ
TF-110	Junction sheet	1.6H	KEC



## 9.3. Test Results

30-1000MHz

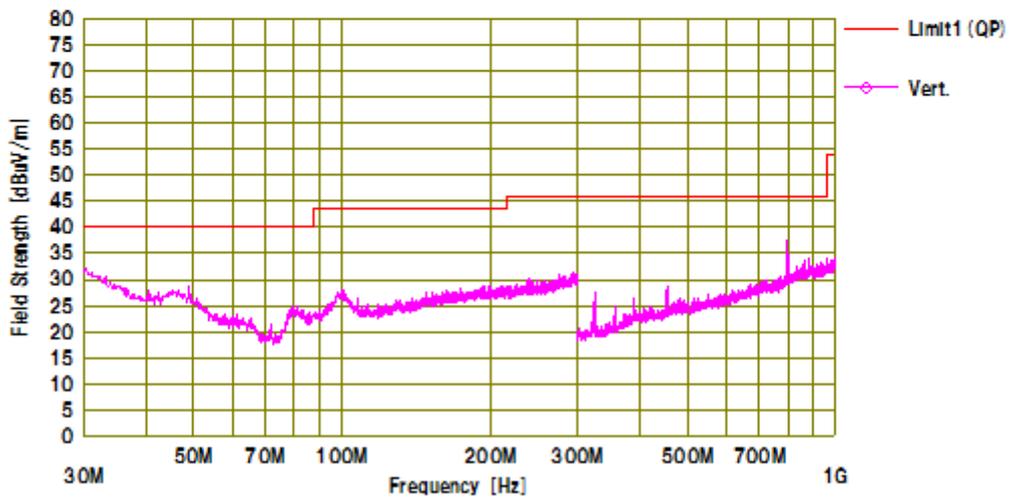
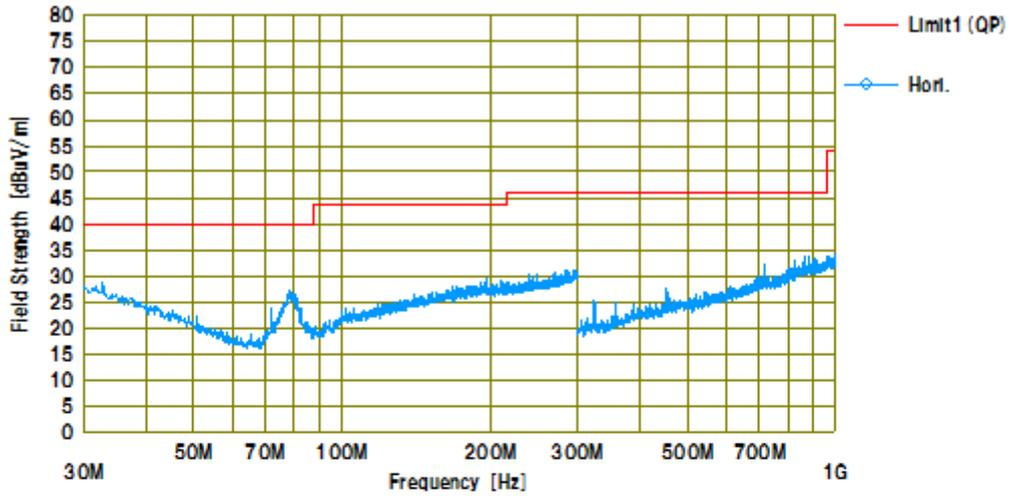
11a 5240MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
30.00	25.1	<0.0	1.8	26.9	40.0	13.1
49.00	18.4	<0.0	3.5	21.9	40.0	18.1
80.01	14.0	10.5	5.9	24.5	40.0	15.5
99.77	17.5	<0.0	7.8	25.3	43.5	18.2
456.06	21.0	2.8	4.8	25.8	46.0	20.2
799.10	25.6	<0.0	<0.0	<25.6	46.0	>20.4



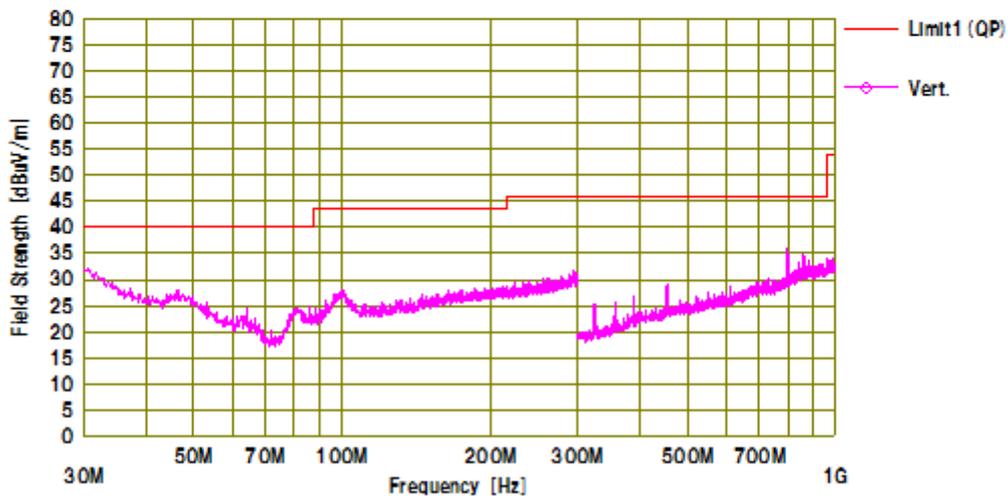
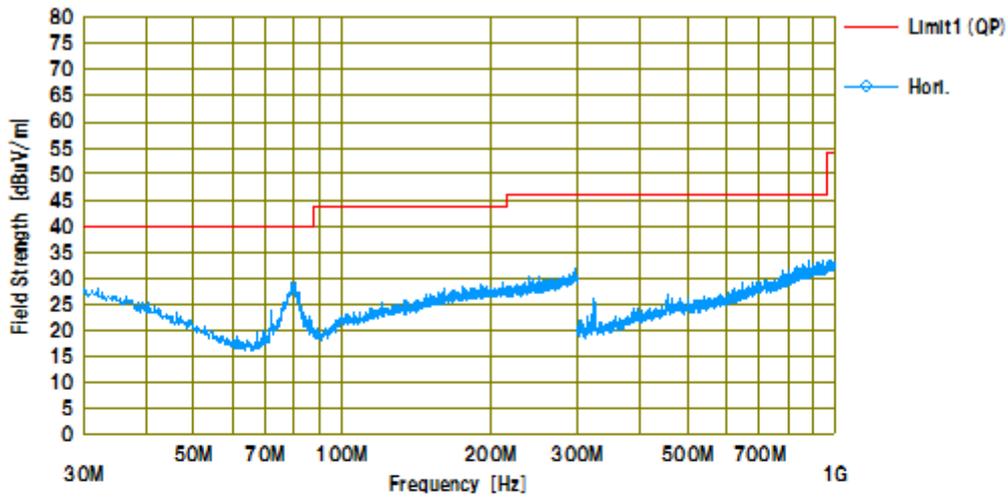
Test Results in Graph

X Axis



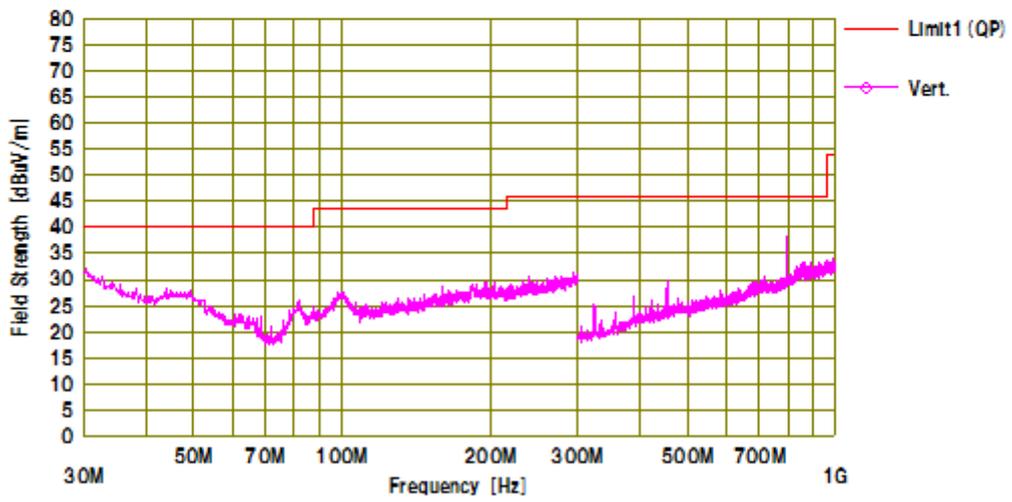
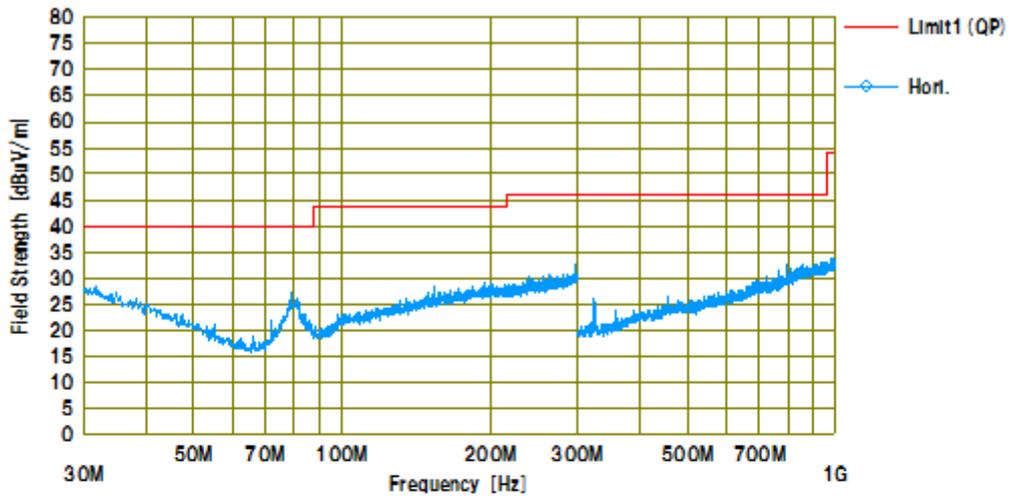


Y Axis





Z Axis



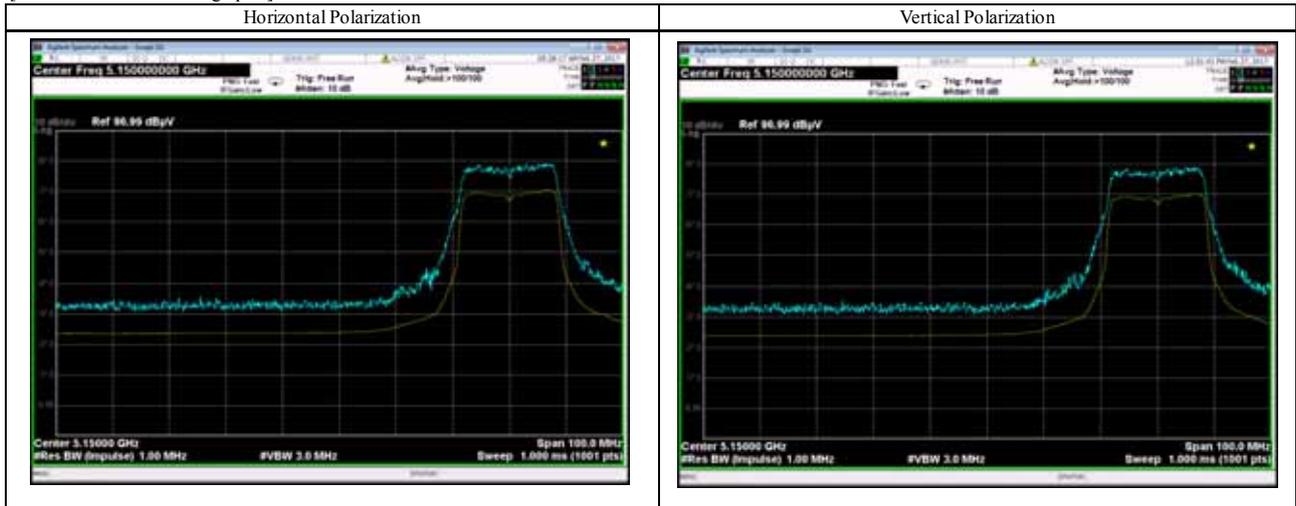


Above 1GHz

11a 5180MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5150.00	11.5	43.5	43.5	55.0	74.0	19.0
10360.00	2.5	49.2	50.1	52.6	68.3	15.7
Measurement with the Average Detector						
5150.00	11.5	32.1	32.3	43.8	54.0	10.2

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



## 11a 5200MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10440.00	2.7	46.3	46.3	49.0	68.2	19.2

## 11a 5240MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10480.00	2.8	47.1	44.7	49.9	68.2	18.3

## 11a 5260MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10520.00	2.9	43.8	43.9	46.8	68.2	21.4

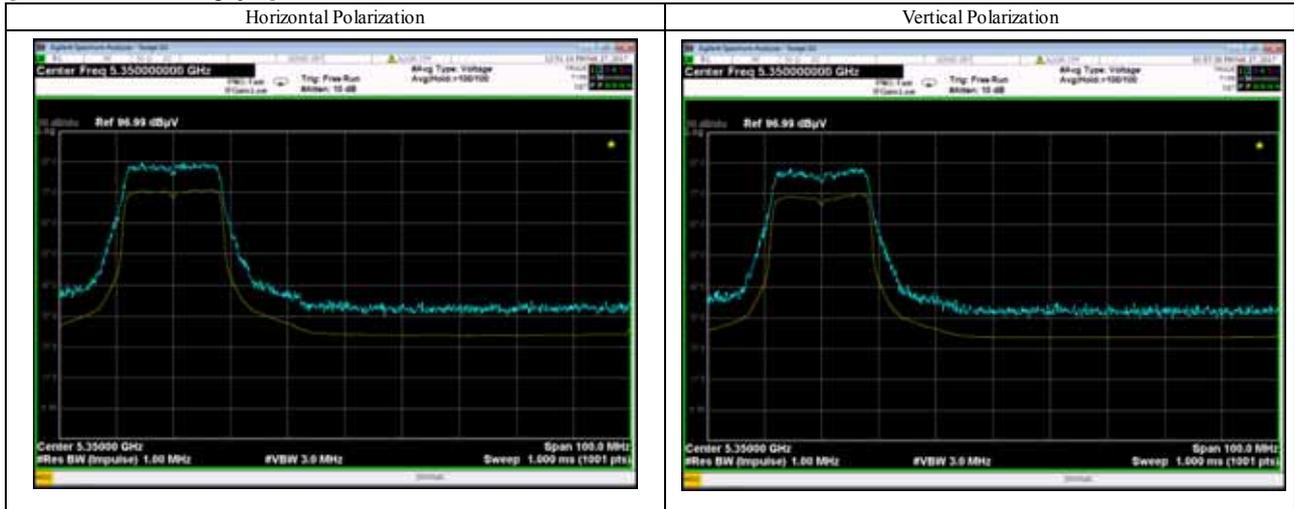
## 11a 5300MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10600.00	2.9	42.1	42.0	45.0	74.0	29.0
Measurement with the Average Detector						
10600.00	2.9	32.4	32.1	35.3	54.0	18.7

11a 5320MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5350.00	11.8	43.1	42.9	54.9	74.0	19.1
10640.00	2.9	42.2	42.0	45.1	74.0	28.9
Measurement with the Average Detector						
5350.00	11.8	32.4	32.3	44.2	54.0	9.8
10640.00	2.9	32.0	31.9	34.9	54.0	19.1

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

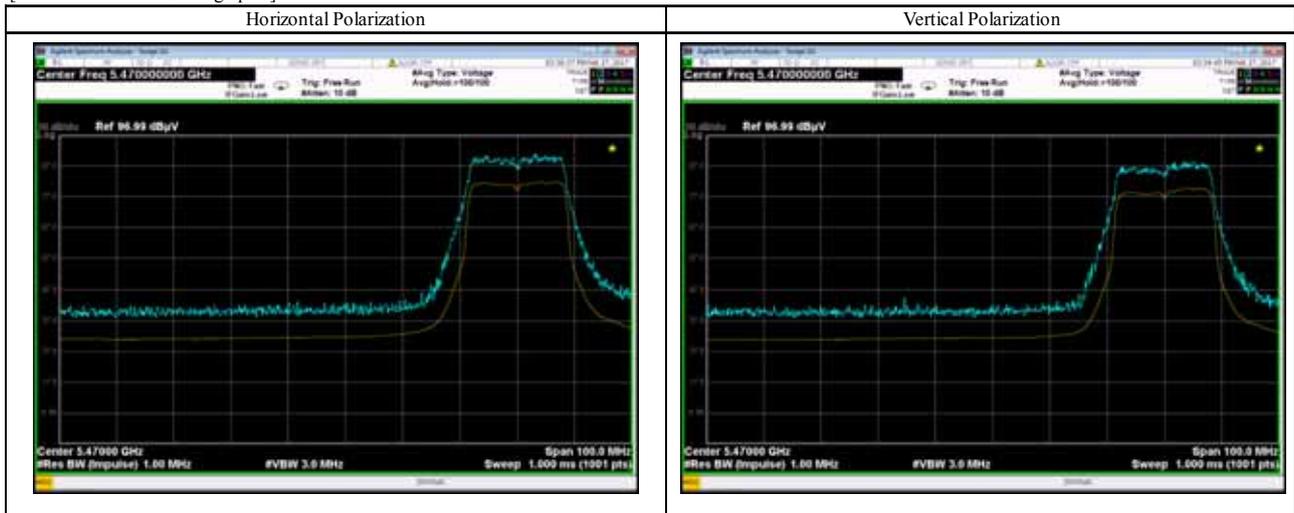
Yellow trace : Average Detector



11a 5500MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5460.00	12.1	44.2	43.6	56.3	74.0	17.7
5470.00	12.1	43.6	43.8	55.9	68.2	12.3
11000.00	3.7	40.0	40.6	44.3	74.0	29.7
Measurement with the Average Detector						
5460.00	12.1	32.8	32.5	44.9	54.0	9.1
11000.00	3.7	35.5	34.6	39.2	54.0	14.8

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



11a 5580MHz

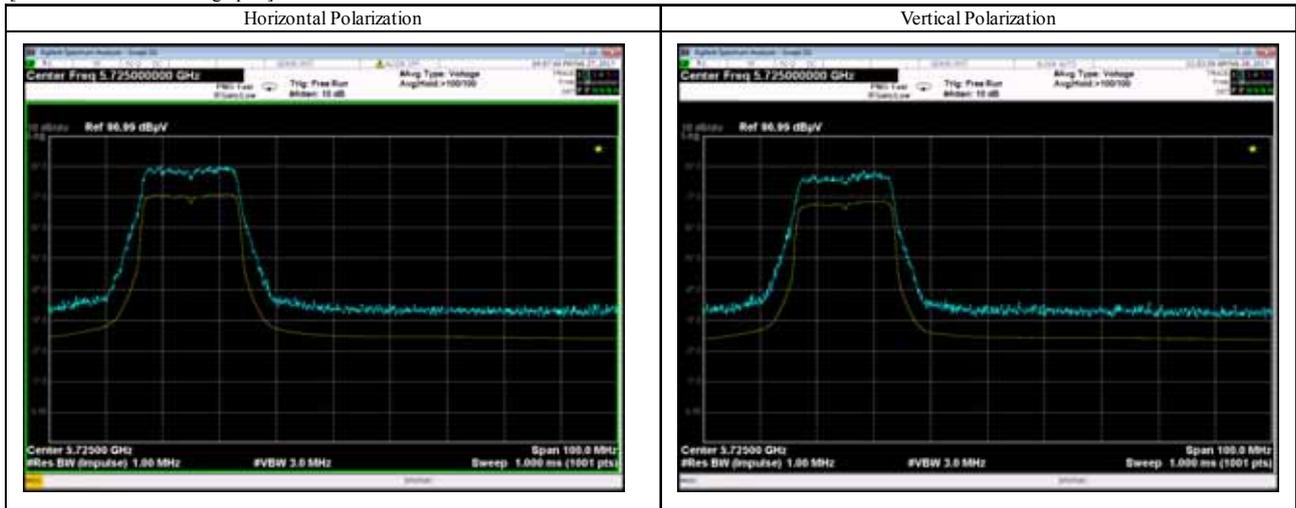
Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
11160.00	4.0	41.3	41.1	45.3	74.0	28.7
Measurement with the Average Detector						
11160.00	4.0	35.0	34.5	39.0	54.0	15.0



11a 5700MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5725.00	12.3	44.2	43.1	56.5	68.2	11.7
11400.00	4.5	40.9	41.0	45.5	74.0	28.5
Measurement with the Average Detector						
11400.00	4.5	34.5	35.1	39.6	54.0	14.4

[Restricted-band band-edge plot]



[Note]

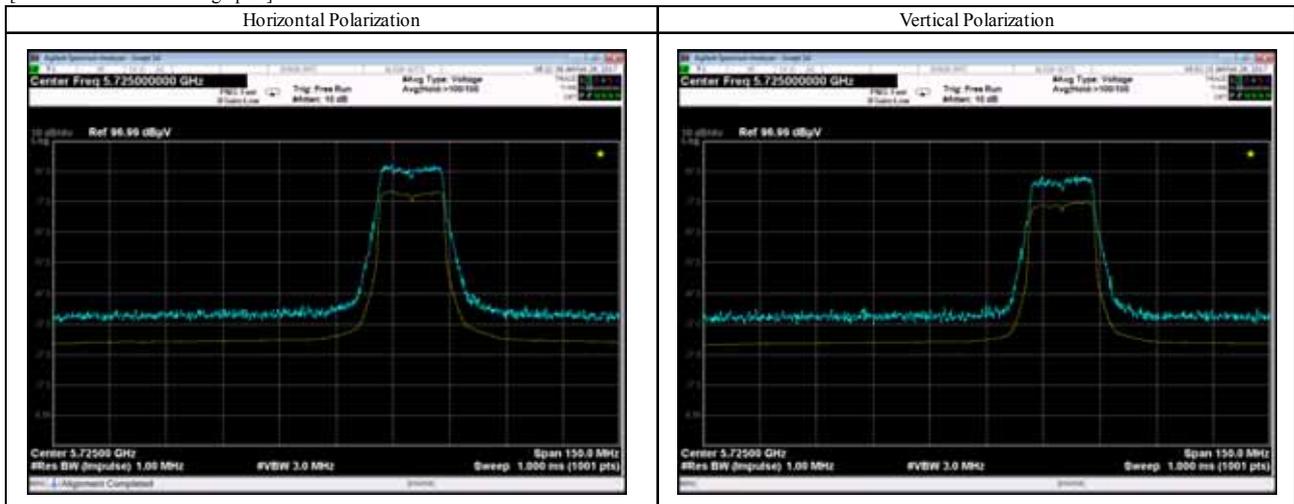
Blue trace : Peak Detector

Yellow trace : Average Detector

11a 5745MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5650.00	12.1	43.3	42.0	55.4	68.2	12.8
5700.00	12.2	44.0	43.3	56.2	105.2	49.0
5715.00	12.2	44.1	43.9	56.3	109.4	53.1
5720.00	12.3	44.5	43.1	56.8	110.8	54.0
5725.00	12.3	45.8	44.7	58.1	122.2	64.1
11490.00	4.6	40.9	41.1	45.7	74.0	28.3
Measurement with the Average Detector						
11490.00	4.6	36.8	35.6	41.4	54.0	12.6

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



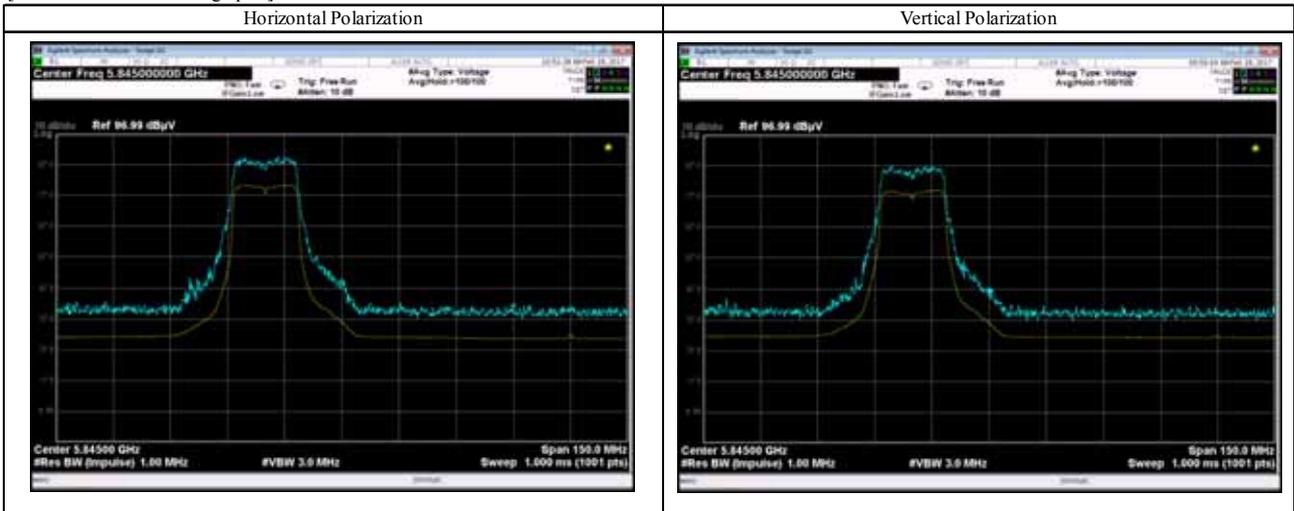
11a 5785MHz

( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
11570.00	4.6	42.1	42.6	47.2	74.0	26.8
Measurement with the Average Detector						
11570.00	4.6	37.3	37.2	41.9	54.0	12.1

11a 5825MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5850.00	12.3	43.4	44.1	56.4	122.2	65.8
5855.00	12.3	43.1	42.8	55.4	110.8	55.4
5860.00	12.3	43.2	43.0	55.5	109.4	53.9
5875.00	12.4	42.9	42.9	55.3	105.2	49.9
5925.00	12.6	42.8	43.2	55.8	68.2	12.4
11650.00	4.7	42.1	43.3	48.0	74.0	26.0
Measurement with the Average Detector						
11650.00	4.7	38.0	38.5	43.2	54.0	10.8

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

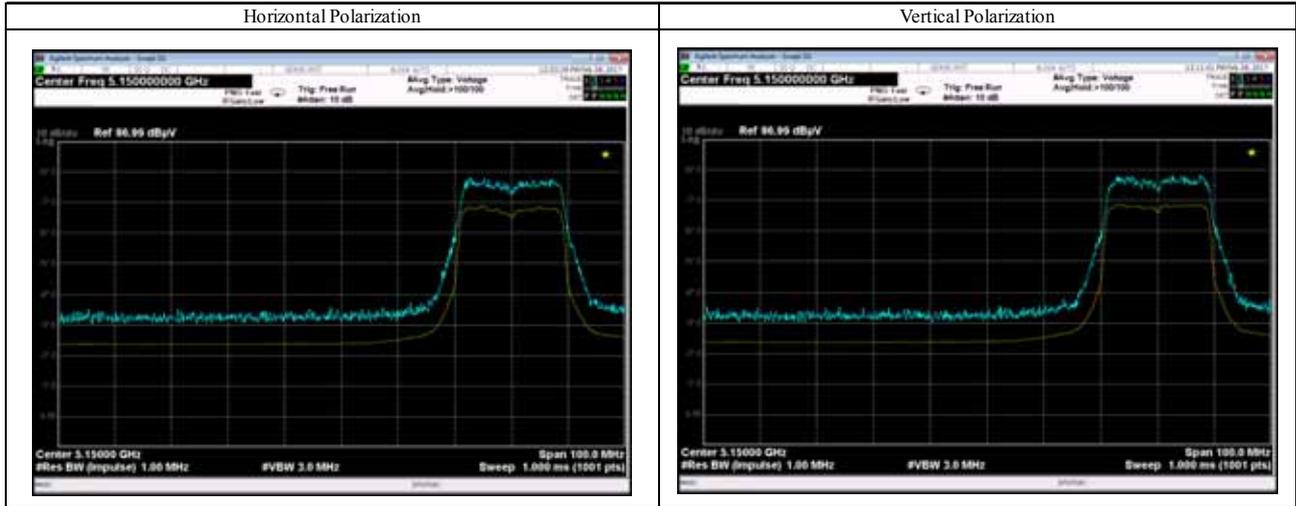
Yellow trace : Average Detector



11n-HT20 5180MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5150.00	11.5	43.8	43.3	55.3	74.0	18.7
10360.00	2.5	47.9	49.3	51.8	68.2	16.4
Measurement with the Average Detector						
5150.00	11.5	32.0	32.2	43.7	54.0	10.3

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



## 11n- HT20 5200MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10440.00	2.7	45.6	47.1	49.8	68.2	18.4

## 11n-HT20 5240MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10480.00	2.8	46.6	44.8	49.4	68.2	18.8

## 11n-HT20 5260MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10520.00	2.9	45.2	45.0	48.1	68.2	20.1

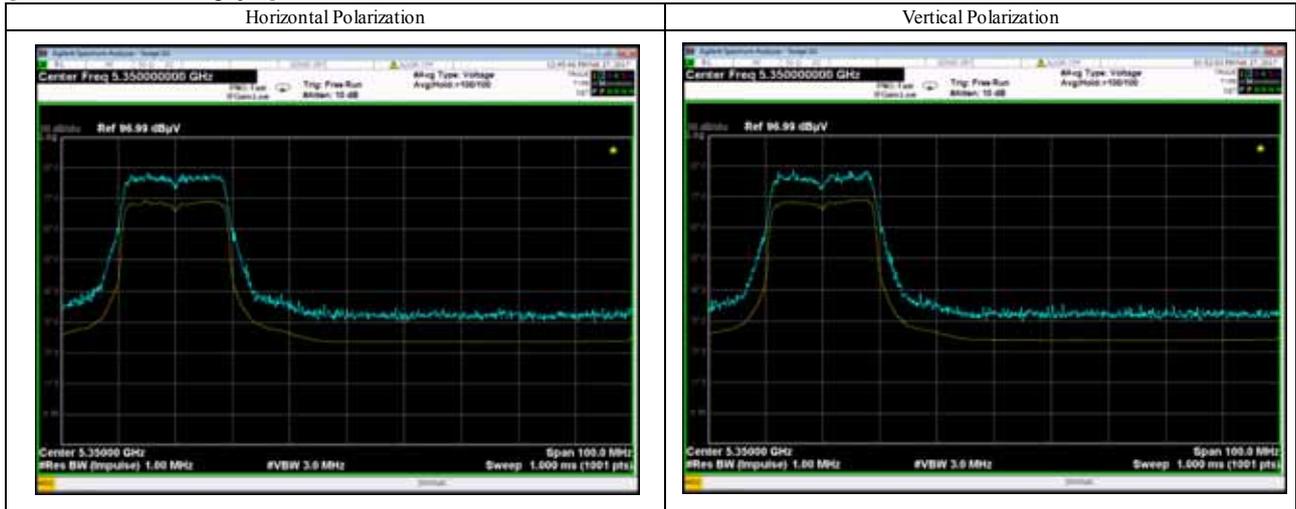
## 11n-HT20 5300MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10600.00	2.9	44.6	43.7	47.5	74.0	26.5
Measurement with the Average Detector						
10600.00	2.9	38.9	37.1	41.8	54.0	12.2

11n-HT20 5320MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5350.00	11.8	42.4	42.4	54.2	74.0	19.8
10640.00	2.9	44.0	42.1	46.9	74.0	27.1
Measurement with the Average Detector						
5350.00	11.8	32.0	32.2	44.0	54.0	10.0
10640.00	2.9	37.2	36.1	40.1	54.0	13.9

[Restricted-band band-edge plot]



[Note]

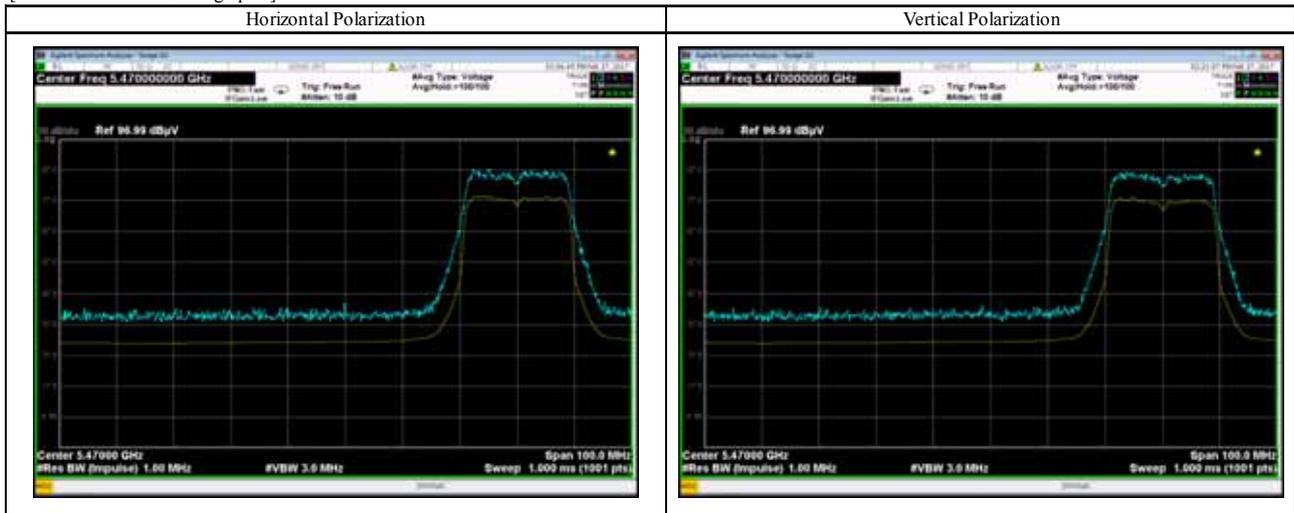
Blue trace : Peak Detector

Yellow trace : Average Detector

11n-HT20 5500MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5460.00	12.1	42.6	43.4	55.5	74.0	18.5
5470.00	12.1	43.2	43.1	55.3	68.2	12.9
11000.00	3.7	43.2	42.6	46.9	74.0	27.1
Measurement with the Average Detector						
5460.00	12.1	32.4	32.4	44.5	54.0	9.5
11000.00	3.7	38.1	37.5	41.8	54.0	12.2

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector

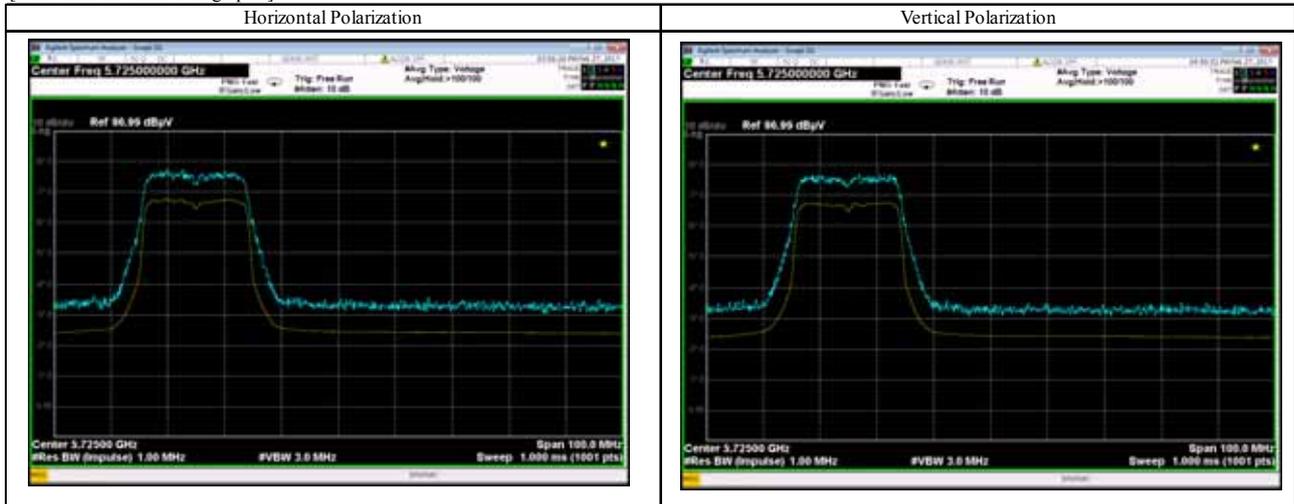
11n-HT20 5580MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
11160.00	4.0	44.6	43.5	48.6	74.0	25.4
Measurement with the Average Detector						
11160.00	4.0	39.2	38.0	43.2	54.0	10.8

11n-HT20 5700MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5725.00	12.3	43.5	43.4	55.8	68.2	12.4
11400.00	4.5	43.4	42.2	47.9	74.0	26.1
Measurement with the Average Detector						
11400.00	4.5	39.7	38.4	44.2	54.0	9.8

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

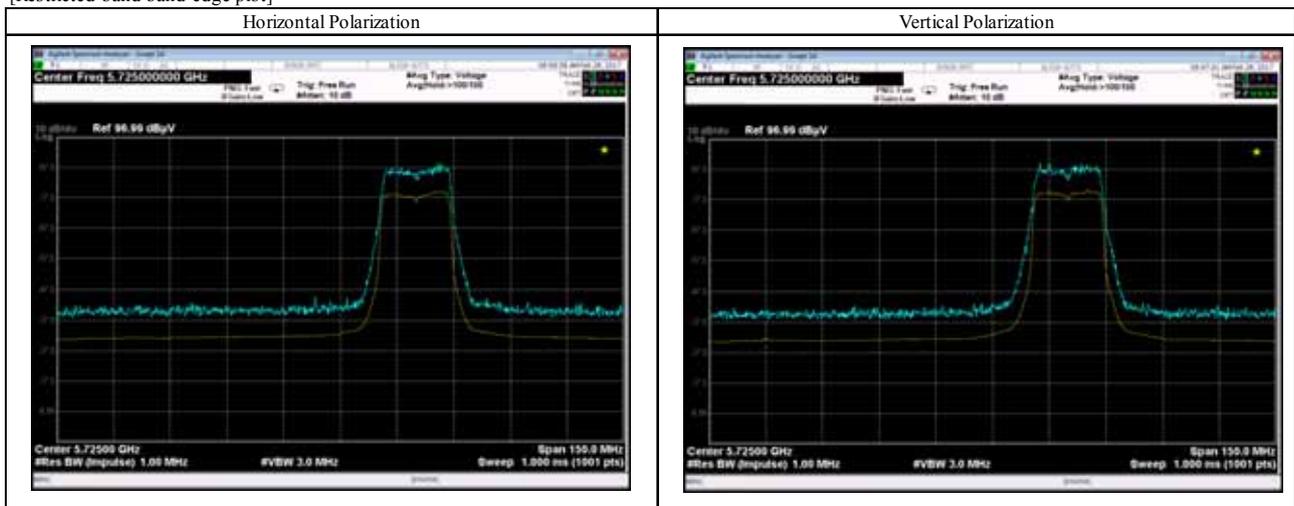
Yellow trace : Average Detector



11n- HT20 5745MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5650.00	12.1	43.2	42.1	55.3	68.2	12.9
5700.00	12.2	43.9	43.4	56.1	105.2	49.1
5715.00	12.2	44.0	43.9	56.2	109.4	53.2
5720.00	12.3	44.3	43.6	56.6	110.8	54.2
5725.00	12.3	45.2	45.3	57.6	122.2	64.6
11490.00	4.6	44.5	44.3	49.1	74.0	24.9
Measurement with the Average Detector						
11490.00	4.6	41.2	40.9	45.8	54.0	8.2

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



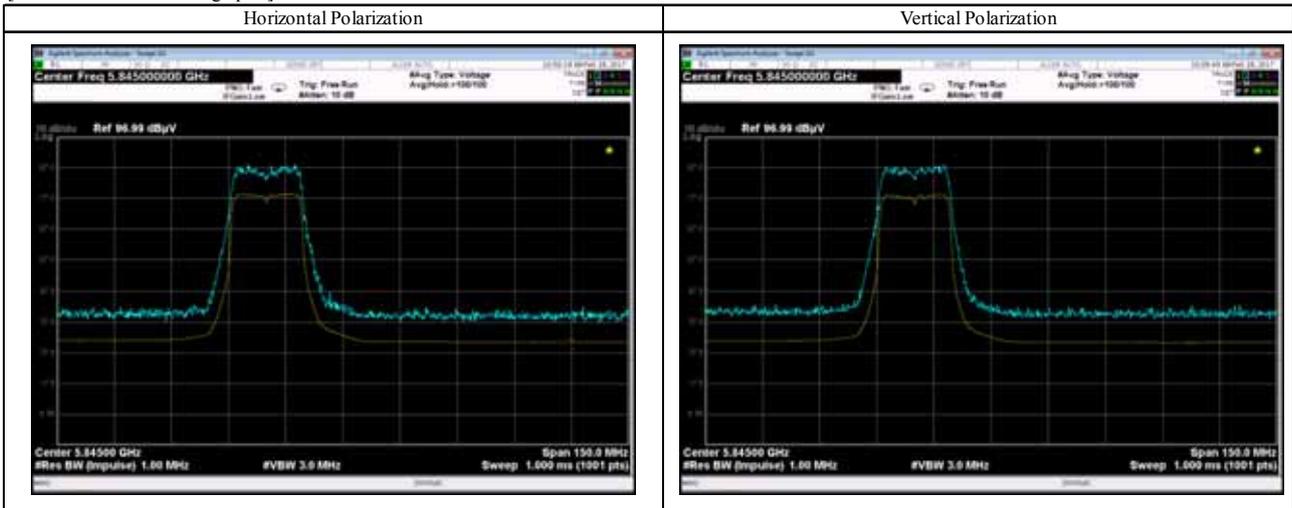
11n-HT20 5785MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
11570.00	4.6	45.1	45.0	49.7	74.0	24.3
Measurement with the Average Detector						
11570.00	4.6	40.9	41.4	46.0	54.0	8.0

11n-HT20 5825MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5850.00	12.3	43.4	42.8	55.7	122.2	66.5
5855.00	12.3	43.7	42.5	56.0	110.8	54.8
5860.00	12.3	43.1	42.1	55.4	109.4	54.0
5875.00	12.4	43.3	43.0	55.7	105.2	49.5
5925.00	12.6	43.2	42.9	55.8	68.2	12.4
11650.00	4.7	44.3	45.1	49.8	74.0	24.2
Measurement with the Average Detector						
11650.00	4.7	40.4	40.4	45.1	54.0	8.9

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

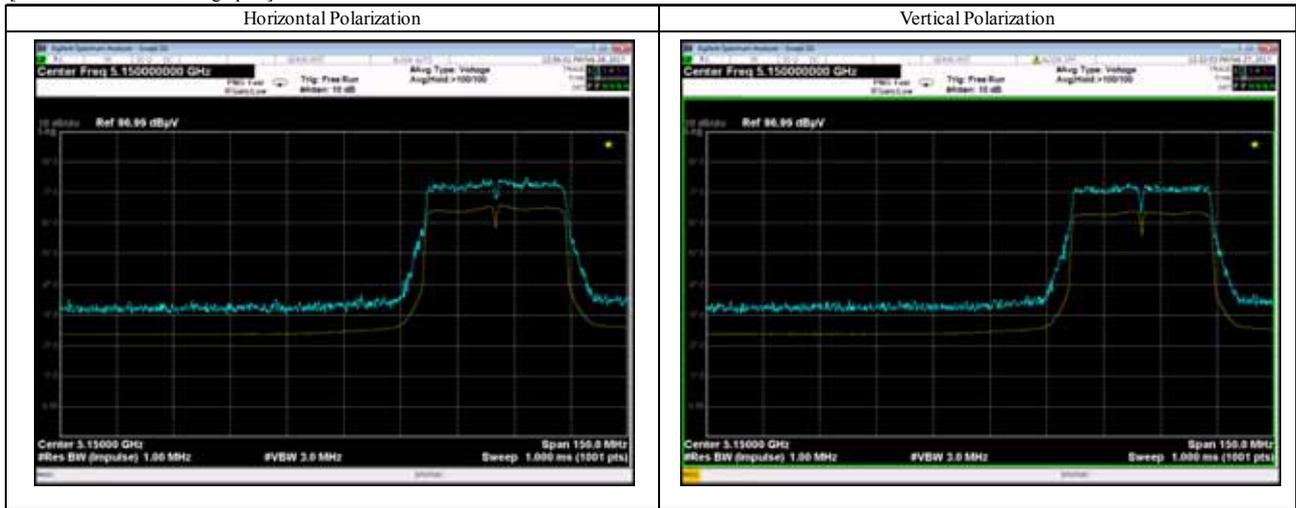
Yellow trace : Average Detector



11n-HT40 5190MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5150.00	11.5	43.9	43.4	55.4	74.0	18.6
10380.00	2.5	45.2	43.1	47.7	68.2	20.5
Measurement with the Average Detector						
5150.00	11.5	32.7	32.8	44.3	54.0	9.7

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



## 11n-HT40 5230MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10460.00	2.7	44.1	43.1	46.8	68.2	21.4

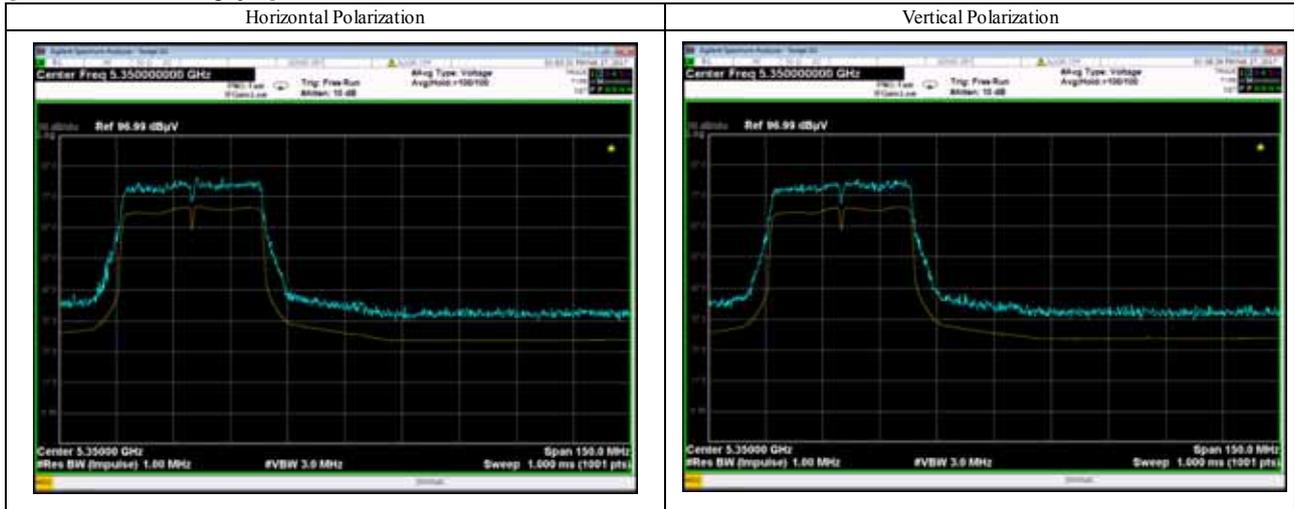
## 11n-HT40 5270MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dB $\mu$ V/m )	Limit ( dB $\mu$ V/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dB $\mu$ V )	Vertical Polarization ( dB $\mu$ V )			
Measurement with the Peak Detector						
10540.00	2.9	43.4	42.5	46.3	68.2	21.9

11n-HT40 5310MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5350.00	11.8	44.8	45.4	57.2	74.0	16.8
10620.00	2.9	42.4	42.5	45.4	74.0	28.6
Measurement with the Average Detector						
5350.00	11.8	34.2	33.9	46.0	54.0	8.0
10620.00	2.9	35.7	35.9	38.8	54.0	15.2

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector



11n-HT40 5510MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5460.00	12.1	43.0	43.2	55.3	74.0	18.7
5470.00	12.1	43.5	43.9	56.0	68.2	12.2
11020.00	3.7	42.2	40.9	45.9	74.0	28.1
Measurement with the Average Detector						
5460.00	12.1	32.4	32.6	44.7	54.0	9.3
11020.00	3.7	37.8	37.1	41.5	54.0	12.5

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector

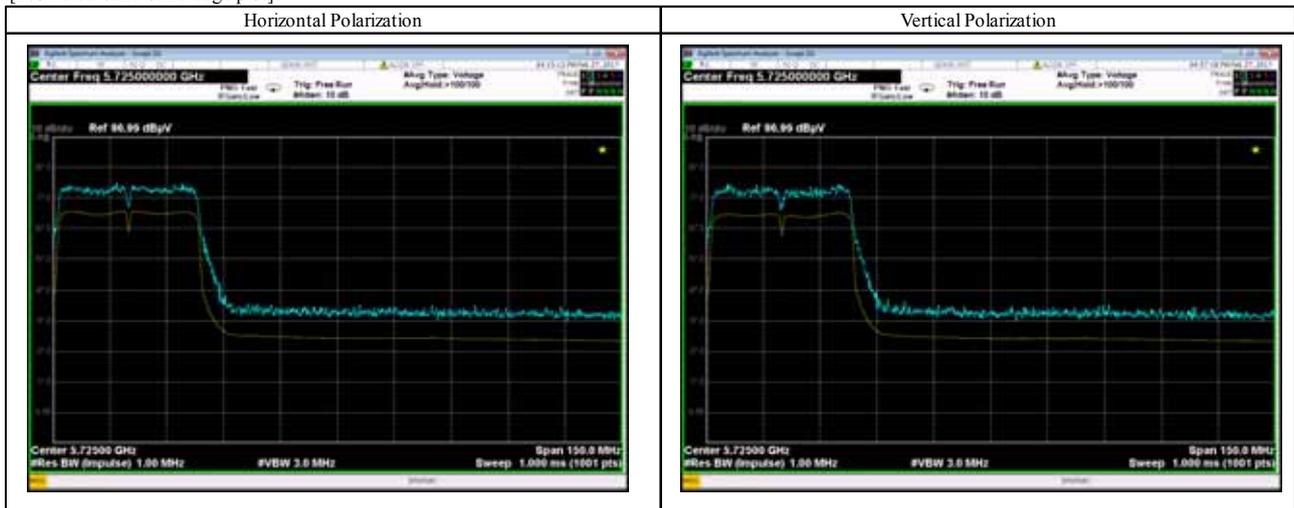
11n-HT40 5550MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
11100.00	3.7	42.7	42.0	46.4	74.0	27.6
Measurement with the Average Detector						
11100.00	3.7	38.1	37.5	41.8	54.0	12.2

11n-HT40 5670MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5725.00	12.3	43.7	42.9	56.0	68.2	12.2
11340.00	4.3	43.1	40.7	47.4	74.0	26.6
Measurement with the Average Detector						
11340.00	4.3	39.7	37.1	44.0	54.0	10.0

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

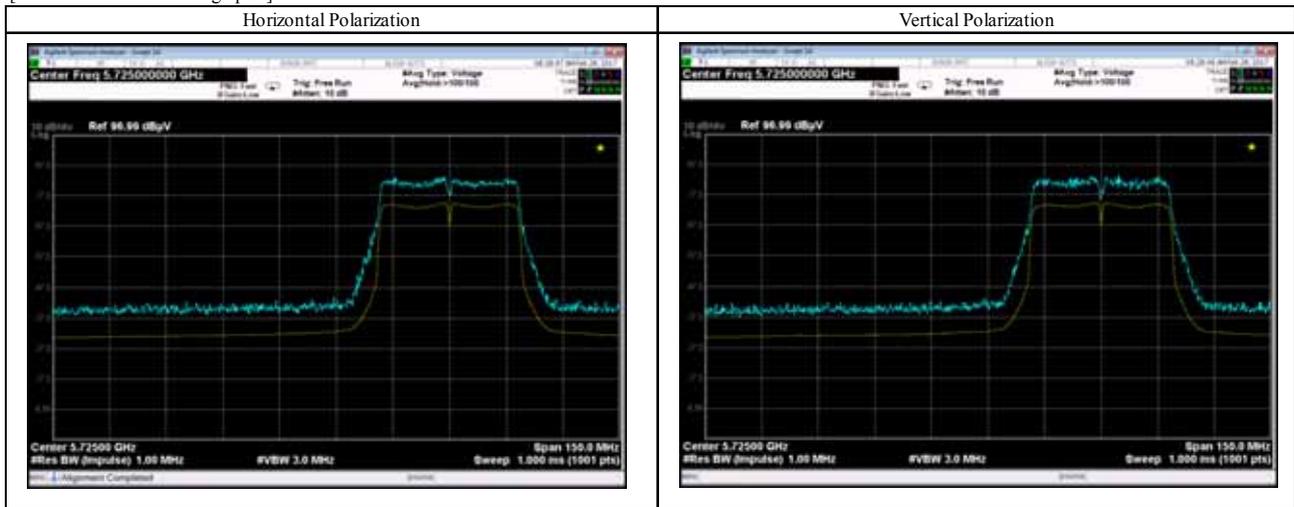
Yellow trace : Average Detector



11n-HT40 5755MHz

Measured Frequency ( MHz )	Correction Factor ( dB/m )	Meter Reading		Maximum Field Strength ( dBμV/m )	Limit ( dBμV/m )	Margin for Limit ( dB )
		Horizontal Polarization ( dBμV )	Vertical Polarization ( dBμV )			
Measurement with the Peak Detector						
5650.00	12.1	43.7	42.4	55.8	68.2	12.4
5700.00	12.2	44.0	43.2	56.2	105.2	49.0
5715.00	12.2	43.9	44.2	56.4	109.4	53.0
5720.00	12.3	44.4	44.5	56.8	110.8	54.0
5725.00	12.3	44.8	45.2	57.5	122.2	64.7
11510.00	4.6	44.0	44.6	49.2	74.0	24.8
Measurement with the Average Detector						
11510.00	4.6	41.1	40.4	45.7	54.0	8.3

[Restricted-band band-edge plot]



[Note]

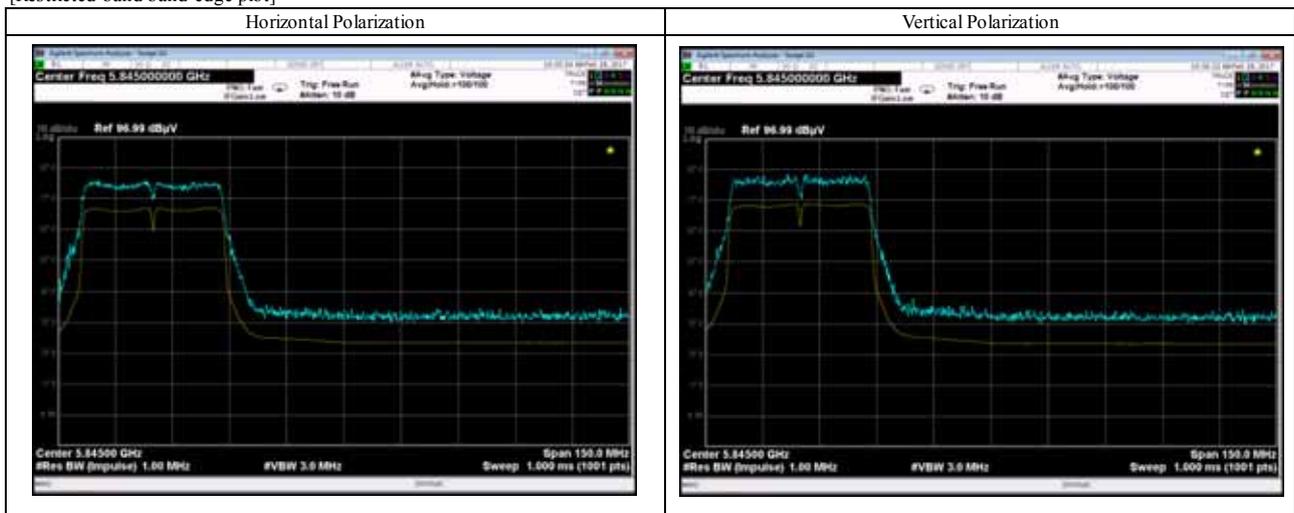
Blue trace : Peak Detector

Yellow trace : Average Detector

11n-HT40 5795MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5850.00	12.3	42.8	43.3	55.6	122.2	66.6
5855.00	12.3	43.7	42.9	56.0	110.8	54.8
5860.00	12.3	42.7	42.9	55.2	109.4	54.2
5875.00	12.4	43.3	42.9	55.7	105.2	49.5
5925.00	12.6	42.9	43.0	55.6	68.2	12.6
11590.00	4.6	44.1	43.8	48.7	74.0	25.3
Measurement with the Average Detector						
11590.00	4.6	41.5	41.0	46.1	54.0	7.9

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

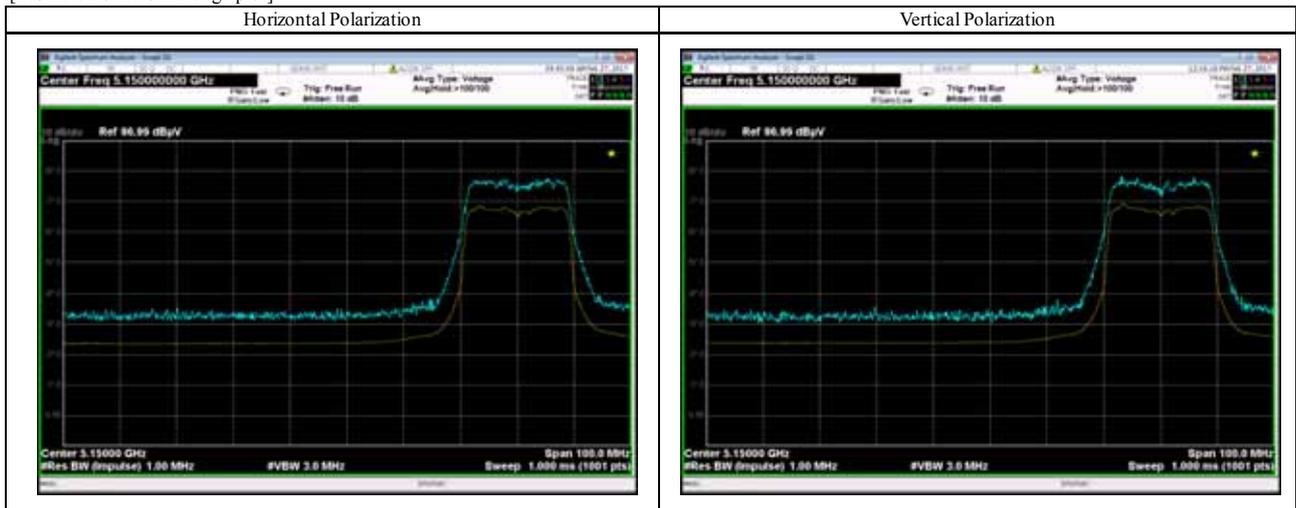
Yellow trace : Average Detector



11ac-HT20 5180MHz

Measured Frequency (MHz)	Correction Factor (dB/m)	Meter Reading		Maximum Field Strength (dBμV/m)	Limit (dBμV/m)	Margin for Limit (dB)
		Horizontal Polarization (dBμV)	Vertical Polarization (dBμV)			
Measurement with the Peak Detector						
5150.00	11.5	42.9	43.9	55.4	74.0	18.6
10360.00	2.5	47.0	47.2	49.7	68.2	18.5
Measurement with the Average Detector						
5150.00	11.5	32.1	32.4	43.9	54.0	10.1

[Restricted-band band-edge plot]



[Note]

Blue trace : Peak Detector

Yellow trace : Average Detector