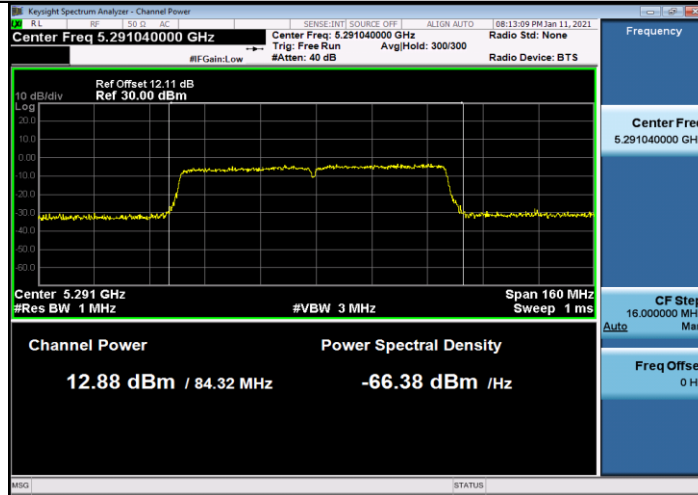
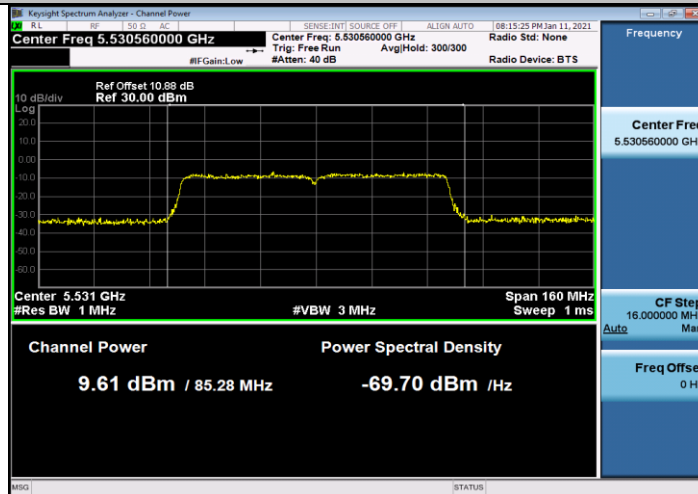


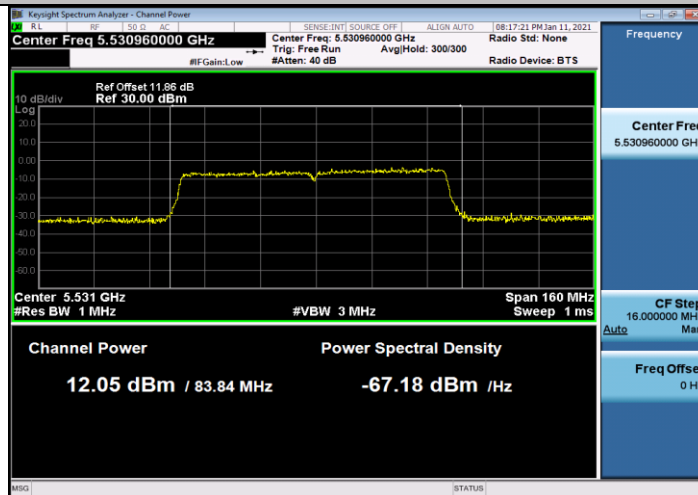
### 11AC80MIMO\_Ant2\_5290



### 11AC80MIMO\_Ant1\_5530

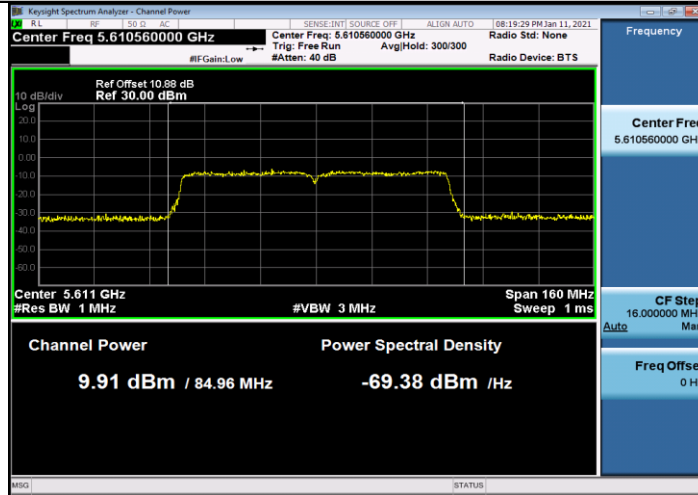


### 11AC80MIMO\_Ant2\_5530

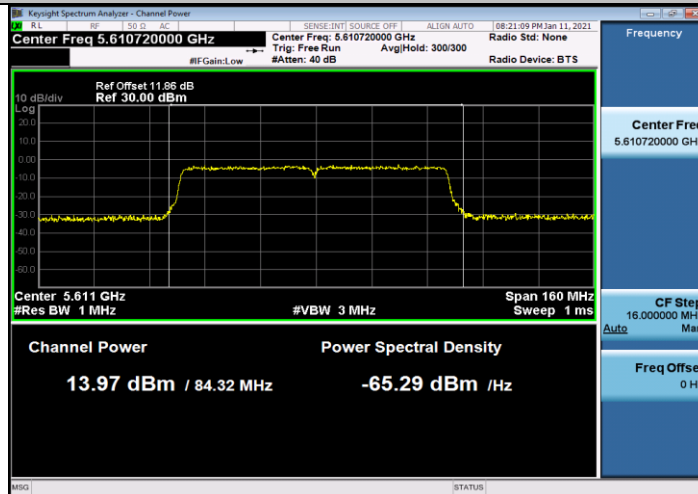




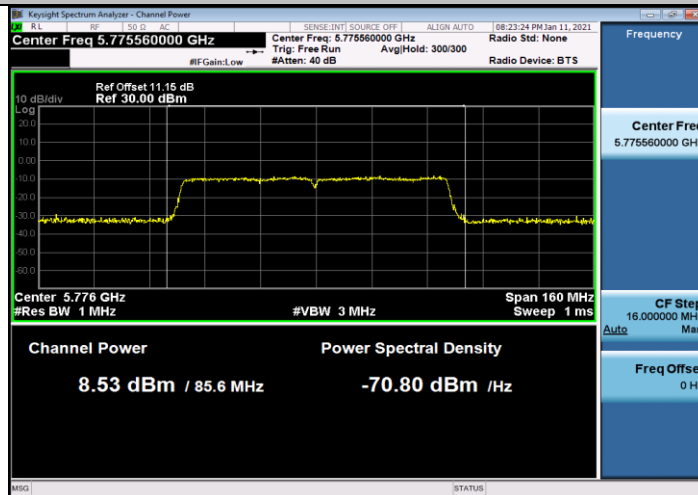
### 11AC80MIMO\_Ant1\_5610



### 11AC80MIMO\_Ant2\_5610

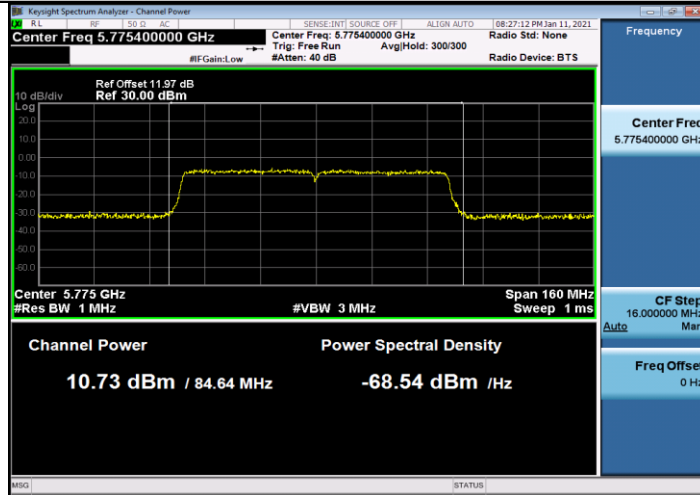


### 11AC80MIMO\_Ant1\_5775





# 11AC80MIMO\_Ant2\_5775

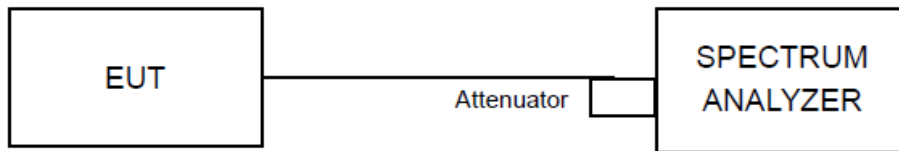


## 4.5 Peak Power spectrum density

### 4.5.1 Limit

Frequency band (MHz)	EUT Category	Limit
5150-5250	Outdoor Access Point	17dBm/ MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	√ Client devices	11dBm/ MHz
5250-5350	√	11dBm/ MHz
5470-5725	√	11dBm/ MHz
5725-5850	√	30dBm/ 500kHz

### 4.5.2 Test Setup



### 4.5.3 Test Procedures

Using method SA-2

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission).
- 7) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add  $10\log(500\text{kHz}/\text{RBW})$  to the measured result, whereas RBW ( $< 500$  KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- 8) Record the max value.

### 4.5.4 Deviation of Test Standard

No deviation.

#### 4.5.5 Test Results

Test Mode	Antenna	Channel	Level [dBm/MHz]	10log(1/x) Factor [dB]	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.13	0.08	3.13	<=11	PASS
	Ant2	5180	3.89	0.08	3.89	<=11	PASS
	Ant1	5220	2.83	0.08	2.83	<=11	PASS
	Ant2	5220	2.98	0.08	2.98	<=11	PASS
	Ant1	5240	3.67	0.08	3.67	<=11	PASS
	Ant2	5240	3.07	0.08	3.07	<=11	PASS
	Ant1	5260	4.64	0.08	4.64	<=11	PASS
	Ant2	5260	3.77	0.08	3.77	<=11	PASS
	Ant1	5280	4.04	0.08	4.04	<=11	PASS
	Ant2	5280	4.2	0.08	4.2	<=11	PASS
	Ant1	5320	3.98	0.08	3.98	<=11	PASS
	Ant2	5320	5.36	0.08	5.36	<=11	PASS
	Ant1	5500	2.96	0.08	2.96	<=11	PASS
	Ant2	5500	3.12	0.08	3.12	<=11	PASS
	Ant1	5600	3.52	0.08	3.52	<=11	PASS
	Ant2	5600	4.59	0.08	4.59	<=11	PASS
	Ant1	5700	2.37	0.08	2.37	<=11	PASS
	Ant2	5700	4.29	0.08	4.29	<=11	PASS
11N20MIMO	Ant1	5180	-0.01	0.09	-0.01	<=11	PASS
	Ant2	5180	3.14	0.09	3.14	<=11	PASS
	total	5180	4.85	--	4.85	<=11	PASS
	Ant1	5220	0.62	0.09	0.62	<=11	PASS
	Ant2	5220	2.13	0.09	2.13	<=11	PASS
	total	5220	4.45	--	4.45	<=11	PASS
	Ant1	5240	1	0.09	1	<=11	PASS
	Ant2	5240	2.41	0.09	2.41	<=11	PASS
	total	5240	4.77	--	4.77	<=11	PASS
	Ant1	5260	1.23	0.09	1.23	<=11	PASS
	Ant2	5260	3.41	0.09	3.41	<=11	PASS
	total	5260	5.47	--	5.47	<=11	PASS
	Ant1	5280	1.59	0.09	1.59	<=11	PASS
	Ant2	5280	4.21	0.09	4.21	<=11	PASS
	total	5280	6.10	--	6.10	<=11	PASS
	Ant1	5320	1	0.09	1	<=11	PASS
	Ant2	5320	4.21	0.09	4.21	<=11	PASS
	total	5320	6.11	--	6.11	<=11	PASS
Ant1	5500	0.3	0.09	0.3	<=11	PASS	



	Ant2	5500	2.92	0.09	2.92	<=11	PASS
	total	5500	4.81	--	4.81	<=11	PASS
	Ant1	5600	0.53	0.09	0.53	<=11	PASS
	Ant2	5600	4.08	0.09	4.08	<=11	PASS
	total	5600	5.67	--	5.67	<=11	PASS
	Ant1	5700	-0.61	0.09	-0.61	<=11	PASS
	Ant2	5700	4.65	0.09	4.65	<=11	PASS
	total	5700	5.78	--	5.78	<=11	PASS
11N40MIMO	Ant1	5190	-3.95	0.13	-3.95	<=11	PASS
	Ant2	5190	-2.28	0.13	-2.28	<=11	PASS
	total	5190	-0.02	--	-0.02	<=11	PASS
	Ant1	5230	-3.05	0.13	-3.05	<=11	PASS
	Ant2	5230	-1.36	0.13	-1.36	<=11	PASS
	total	5230	0.89	--	0.89	<=11	PASS
	Ant1	5270	-2.9	0.13	-2.9	<=11	PASS
	Ant2	5270	-0.55	0.13	-0.55	<=11	PASS
	total	5270	1.44	--	1.44	<=11	PASS
	Ant1	5310	-2.37	0.13	-2.37	<=11	PASS
	Ant2	5310	0.04	0.18	0.04	<=11	PASS
	total	5310	2.01	--	2.01	<=11	PASS
	Ant1	5510	-4.21	0.13	-4.21	<=11	PASS
	Ant2	5510	-1.64	0.13	-1.64	<=11	PASS
	total	5510	0.27	--	0.27	<=11	PASS
	Ant1	5590	-3.76	0.13	-3.76	<=11	PASS
	Ant2	5590	0.23	0.18	0.23	<=11	PASS
	total	5590	1.69	--	1.69	<=11	PASS
11AC20MIMO	Ant1	5670	-3.7	0.13	-3.7	<=11	PASS
	Ant2	5670	0.71	0.13	0.71	<=11	PASS
	total	5670	2.05	--	2.05	<=11	PASS
	Ant1	5180	-0.46	0.09	-0.46	<=11	PASS
	Ant2	5180	1.92	0.09	1.92	<=11	PASS
	total	5180	3.90	--	3.90	<=11	PASS
	Ant1	5220	-0.44	0.09	-0.44	<=11	PASS
	Ant2	5220	0.35	0.09	0.35	<=11	PASS
	total	5220	2.98	--	2.98	<=11	PASS
	Ant1	5240	0.22	0.09	0.22	<=11	PASS
	Ant2	5240	1.88	0.09	1.88	<=11	PASS
	total	5240	4.14	--	4.14	<=11	PASS
	Ant1	5260	0.07	0.09	0.07	<=11	PASS
	Ant2	5260	1.85	0.09	1.85	<=11	PASS
	total	5260	4.06	--	4.06	<=11	PASS
Ant1	5280	0.17	0.09	0.17	<=11	PASS	
Ant2	5280	2.41	0.09	2.41	<=11	PASS	
total	5280	4.44	--	4.44	<=11	PASS	
Ant1	5320	0.41	0.09	0.41	<=11	PASS	



	Ant2	5320	2.15	0.09	2.15	<=11	PASS
	total	5320	4.38	--	4.38	<=11	PASS
	Ant1	5500	-0.68	0.09	-0.68	<=11	PASS
	Ant2	5500	1.09	0.09	1.09	<=11	PASS
	total	5500	3.30	--	3.30	<=11	PASS
	Ant1	5600	-0.2	0.09	-0.2	<=11	PASS
	Ant2	5600	2.93	0.09	2.93	<=11	PASS
	total	5600	4.65	--	4.65	<=11	PASS
	Ant1	5700	-1.22	0.09	-1.22	<=11	PASS
	Ant2	5700	3.6	0.09	3.6	<=11	PASS
	total	5700	4.84	--	4.84	<=11	PASS
11AC40MIMO	Ant1	5190	-4.82	0.18	-4.82	<=11	PASS
	Ant2	5190	-3.06	0.18	-3.06	<=11	PASS
	total	5190	-0.84	--	-0.84	<=11	PASS
	Ant1	5230	-4.03	0.18	-4.03	<=11	PASS
	Ant2	5230	-2.9	0.18	-2.9	<=11	PASS
	total	5230	-0.42	--	-0.42	<=11	PASS
	Ant1	5270	-3.53	0.18	-3.53	<=11	PASS
	Ant2	5270	-2.57	0.18	-2.57	<=11	PASS
	total	5270	-0.01	--	-0.01	<=11	PASS
	Ant1	5310	-3.71	0.18	-3.71	<=11	PASS
	Ant2	5310	-1.36	0.18	-1.36	<=11	PASS
	total	5310	0.63	--	0.63	<=11	PASS
	Ant1	5510	-4.87	0.18	-4.87	<=11	PASS
	Ant2	5510	-3.05	0.18	-3.05	<=11	PASS
	total	5510	-0.86	--	-0.86	<=11	PASS
	Ant1	5590	-4.74	0.18	-4.74	<=11	PASS
	Ant2	5590	-1.08	0.18	-1.08	<=11	PASS
	total	5590	0.47	--	0.47	<=11	PASS
Ant1	5670	-4.81	0.18	-4.81	<=11	PASS	
Ant2	5670	-0.57	0.18	-0.57	<=11	PASS	
total	5670	0.82	--	0.82	<=11	PASS	
11AC80MIMO	Ant1	5210	-6.89	0.36	-6.89	<=11	PASS
	Ant2	5210	-4.72	0.36	-4.72	<=11	PASS
	total	5210	-2.66	--	-2.66	<=11	PASS
	Ant1	5290	-6	0.36	-6	<=11	PASS
	Ant2	5290	-3.48	0.36	-3.48	<=11	PASS
	total	5290	-1.55	--	-1.55	<=11	PASS
	Ant1	5530	-7.55	0.36	-7.55	<=11	PASS
	Ant2	5530	-4.75	0.36	-4.75	<=11	PASS
	total	5530	-2.92	--	-2.92	<=11	PASS
	Ant1	5610	-7.29	0.36	-7.29	<=11	PASS
	Ant2	5610	-3.01	0.36	-3.01	<=11	PASS
total	5610	-1.63	--	-1.63	<=11	PASS	

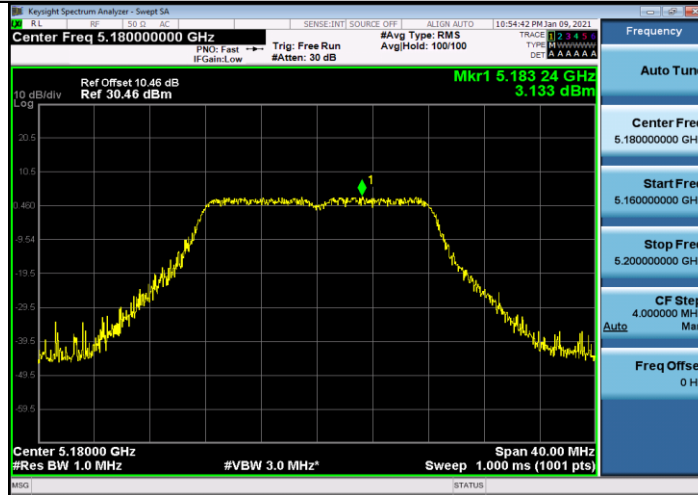






Test Mode	Antenna	Channel	Level [dBm/500kHz]	10log(1/x) Factor [dB]	10log(500k Hz/RBW) Factor [dB]	PSD [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	Ant1	5745	-0.58	0.08	2.22	1.72	<=30	PASS
	Ant2	5745	0.32	0.08	2.22	2.62	<=30	PASS
	Ant1	5785	-0.65	0.08	2.22	1.65	<=30	PASS
	Ant2	5785	-1.96	0.08	2.22	0.34	<=30	PASS
	Ant1	5825	-1.4	0.08	2.22	0.9	<=30	PASS
	Ant2	5825	-2.3	0.08	2.22	0	<=30	PASS
11N20 MIMO	Ant1	5745	-4.27	0.09	2.22	-1.96	<=30	PASS
	Ant2	5745	-1.48	0.09	2.22	0.83	<=30	PASS
	total	5745	--	--	--	2.67	<=30	PASS
	Ant1	5785	-4.81	0.13	2.22	-2.46	<=30	PASS
	Ant2	5785	-2.58	0.18	2.22	-0.18	<=30	PASS
	total	5785	--	--	--	1.84	<=30	PASS
	Ant1	5825	-4.6	0.13	2.22	-2.25	<=30	PASS
	Ant2	5825	-3.48	0.13	2.22	-1.13	<=30	PASS
total	5825	--	--	--	1.36	<=30	PASS	
11N40 MIMO	Ant1	5755	-8.46	0.13	2.22	-6.11	<=30	PASS
	Ant2	5755	-5.89	0.13	2.22	-3.54	<=30	PASS
	total	5755	--	--	--	-1.63	<=30	PASS
	Ant1	5795	-9.05	0.13	2.22	-6.70	<=30	PASS
	Ant2	5795	-6.66	0.13	2.22	-4.31	<=30	PASS
total	5795	--	--	--	-2.33	<=30	PASS	
11AC2 0MIM O	Ant1	5745	-5.33	0.09	2.22	-3.02	<=30	PASS
	Ant2	5745	-2.39	0.09	2.22	-0.08	<=30	PASS
	total	5745	--	--	--	1.70	<=30	PASS
	Ant1	5785	-6	0.09	2.22	-3.69	<=30	PASS
	Ant2	5785	-3.6	0.09	2.22	-1.29	<=30	PASS
	total	5785	--	--	--	0.68	<=30	PASS
	Ant1	5825	-6.38	0.09	2.22	-4.07	<=30	PASS
	Ant2	5825	-4.92	0.09	2.22	-2.61	<=30	PASS
total	5825	--	--	--	-0.27	<=30	PASS	
11AC4 0MIM O	Ant1	5755	-9.11	0.18	2.22	-6.71	<=30	PASS
	Ant2	5755	-7.26	0.18	2.22	-4.86	<=30	PASS
	total	5755	--	--	--	-2.68	<=30	PASS
	Ant1	5795	-9.08	0.18	2.22	-6.68	<=30	PASS
	Ant2	5795	-7.53	0.18	2.22	-5.13	<=30	PASS
total	5795	--	--	--	-2.83	<=30	PASS	
11AC8 0MIM O	Ant1	5775	-12.08	0.36	2.22	-9.50	<=30	PASS
	Ant2	5775	-9.51	0.36	2.22	-6.93	<=30	PASS
	total	5775	--	--	--	-5.02	<=30	PASS

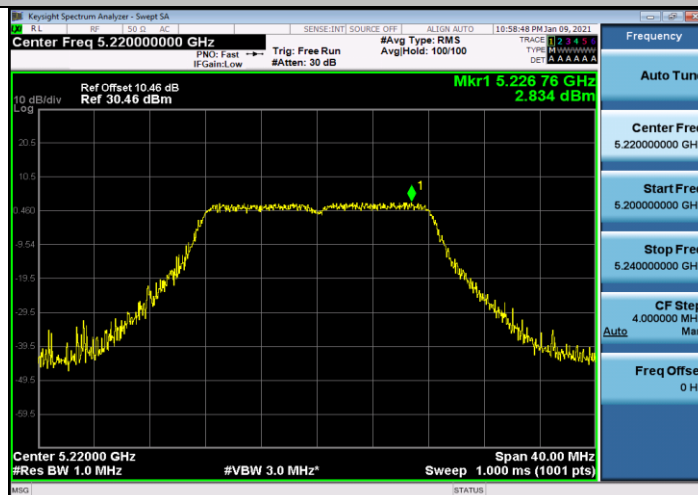
### 11A\_Ant1\_5180



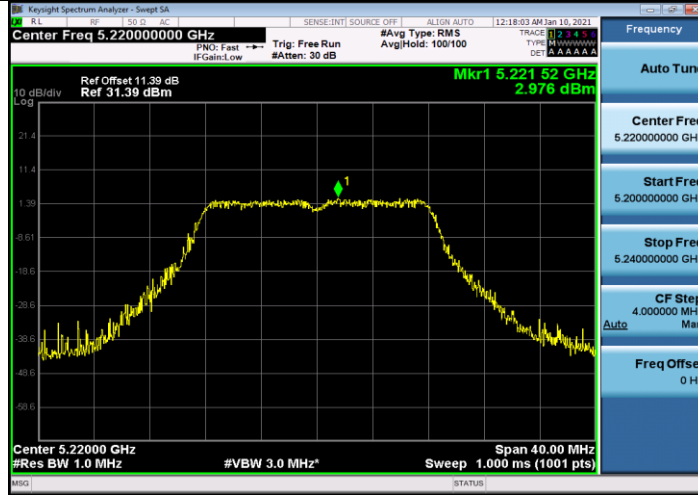
### 11A\_Ant2\_5180



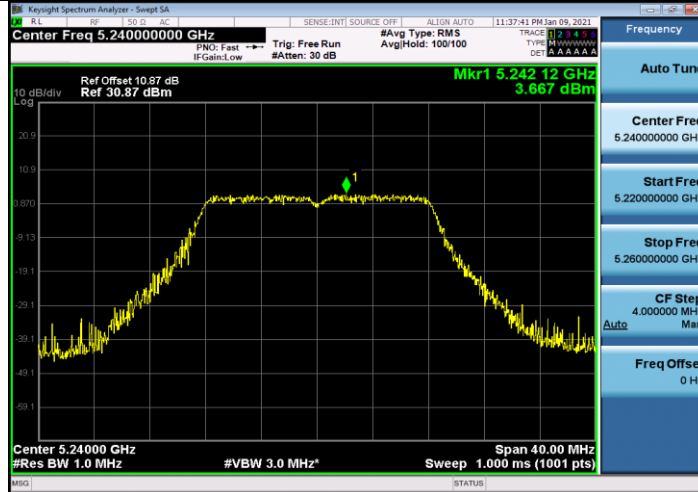
### 11A\_Ant1\_5220



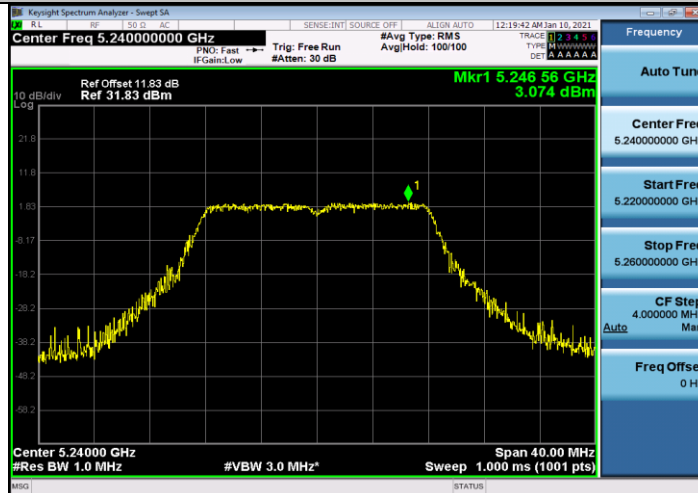
### 11A\_Ant2\_5220



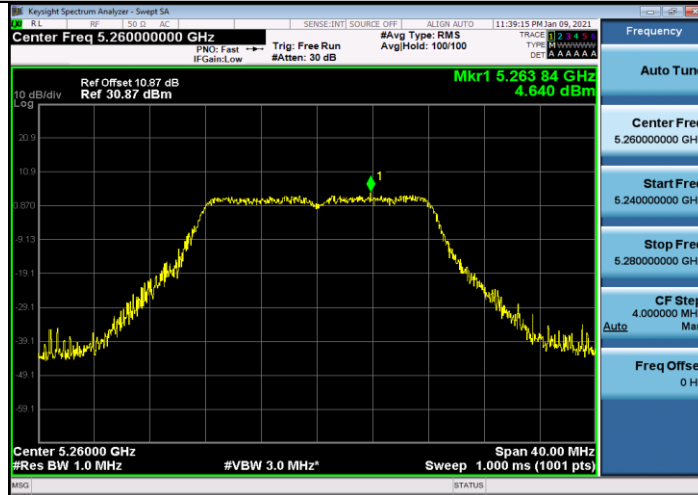
### 11A\_Ant1\_5240



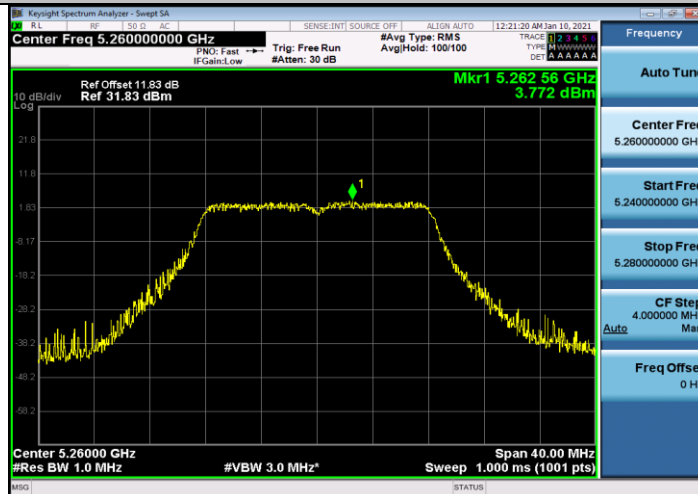
### 11A\_Ant2\_5240



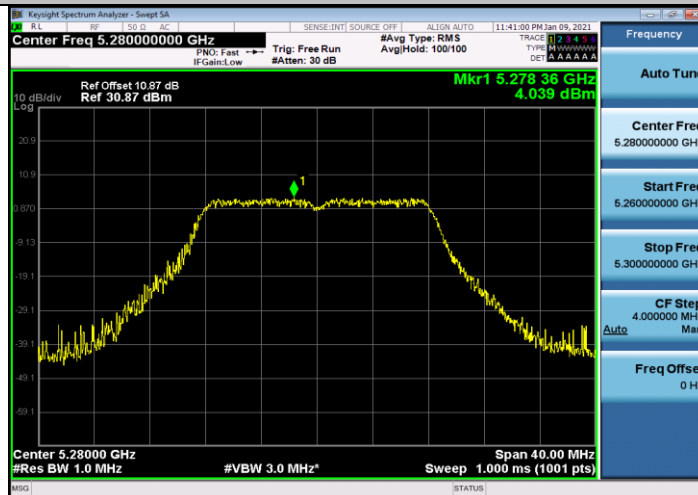
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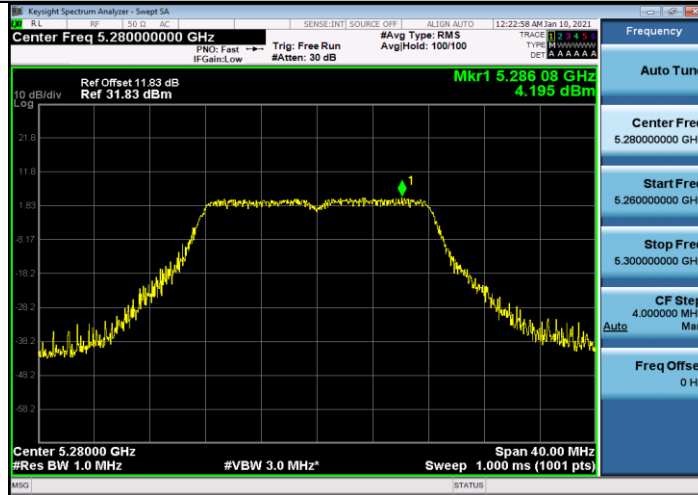
### 11A\_Ant2\_5260



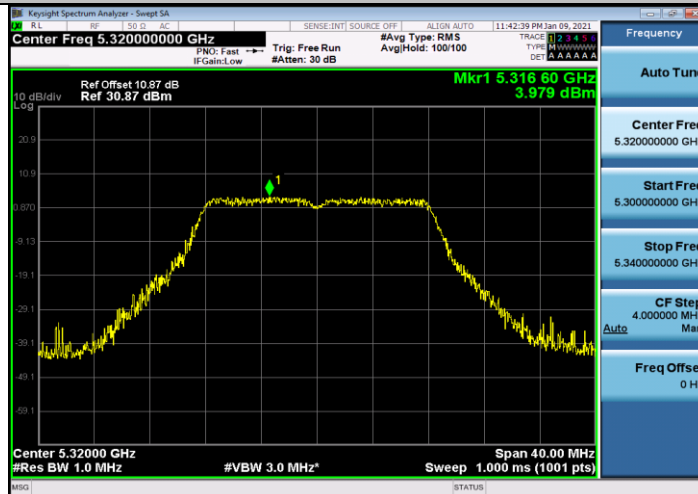
### 11A\_Ant1\_5280



### 11A\_Ant2\_5280



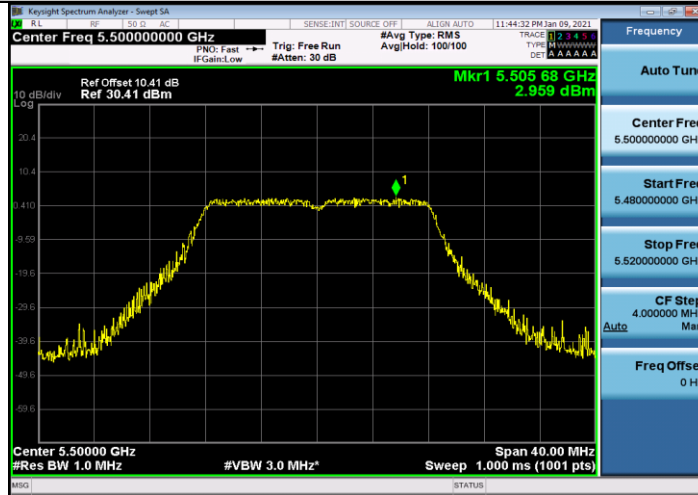
### 11A\_Ant1\_5320



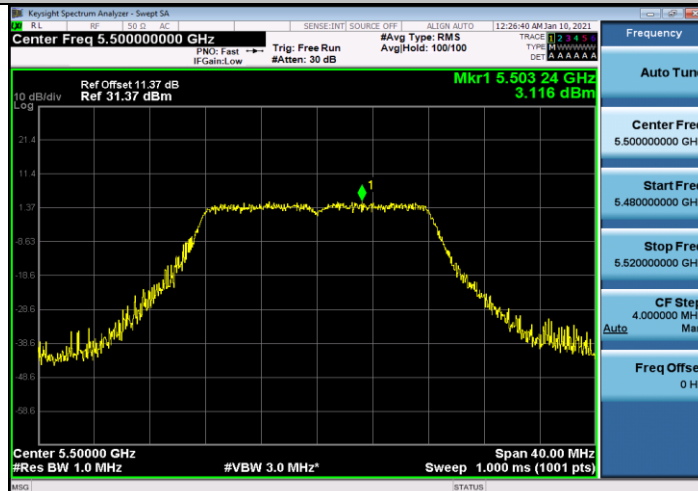
### 11A\_Ant2\_5320



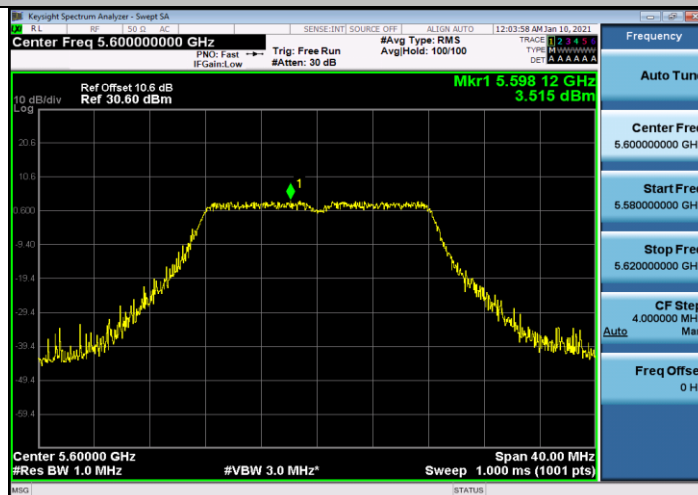
### 11A\_Ant1\_5500



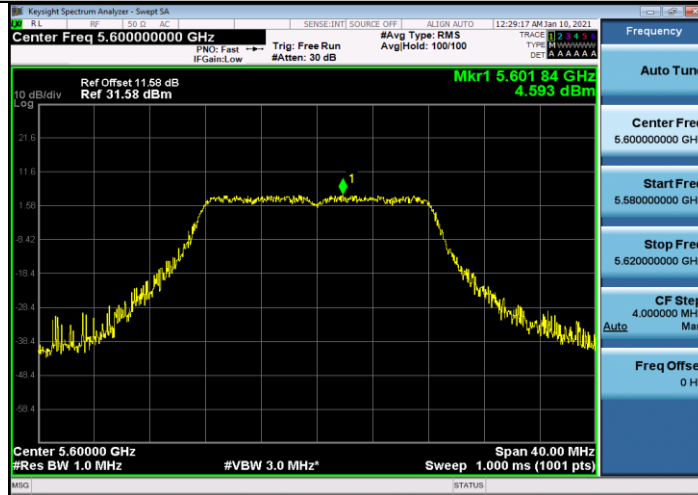
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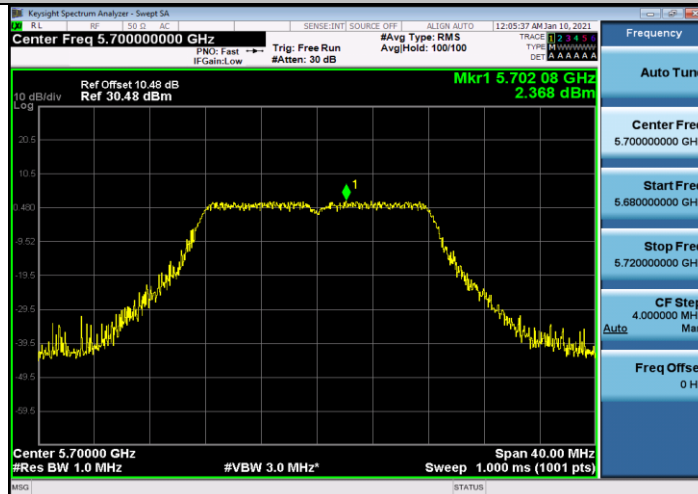
### 11A\_Ant1\_5600



### 11A\_Ant2\_5600



### 11A\_Ant1\_5700



### 11A\_Ant2\_5700

