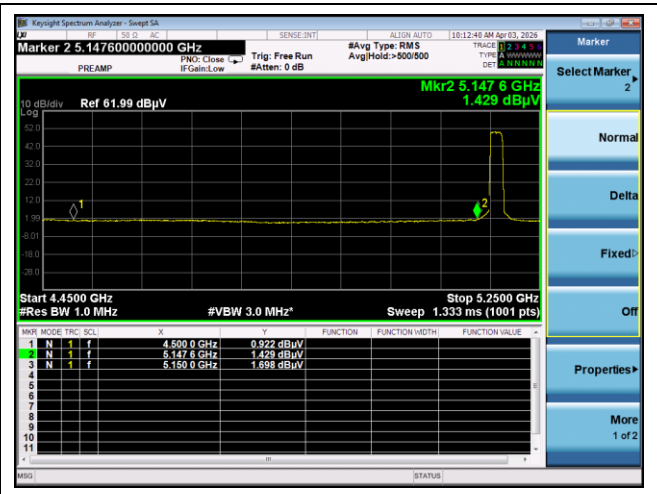
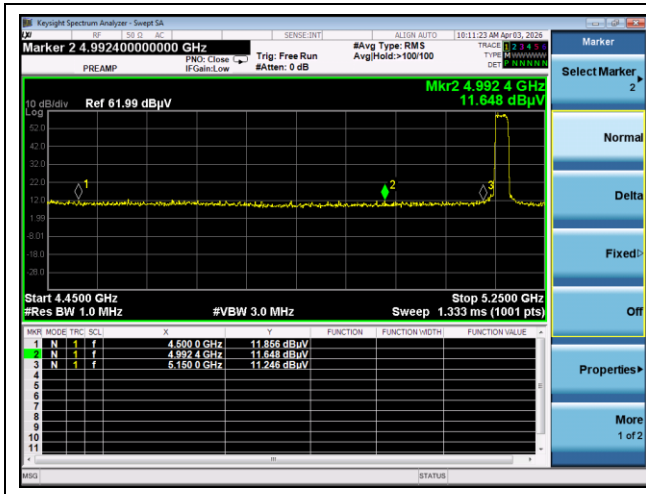


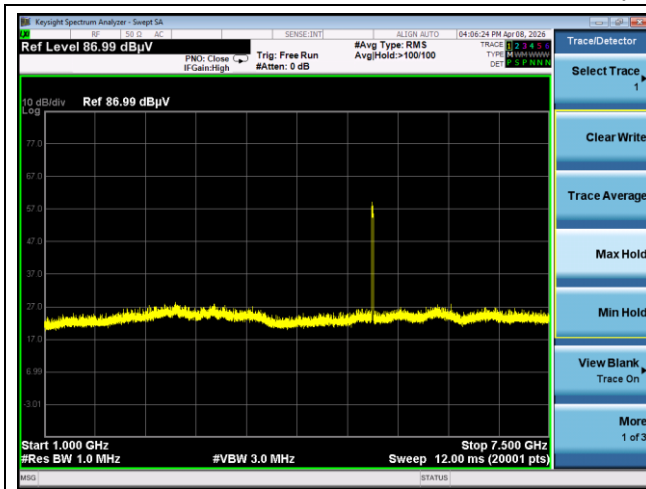
11ax_HE20_SU

Low channel Band edge (Peak) - UNII-1

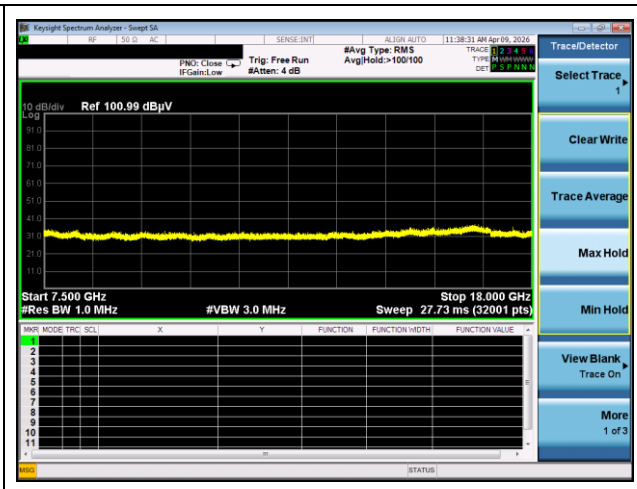
Low channel Band edge (Average) - UNII-1



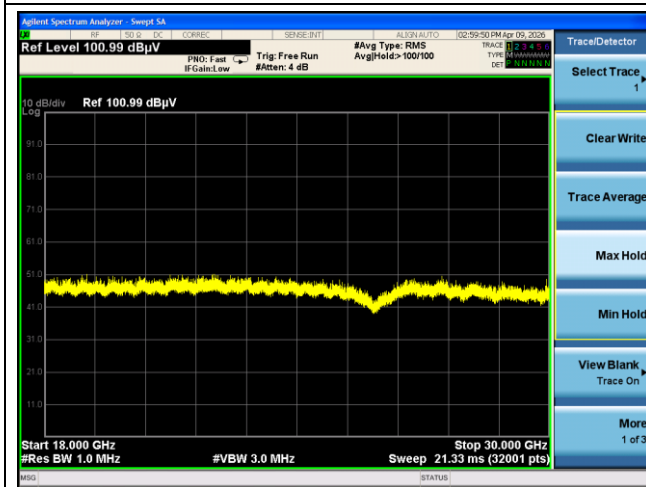
Radiated Spurious Emissions



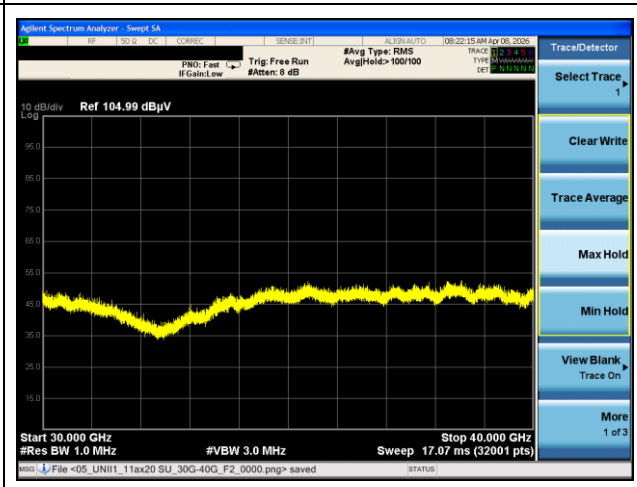
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz

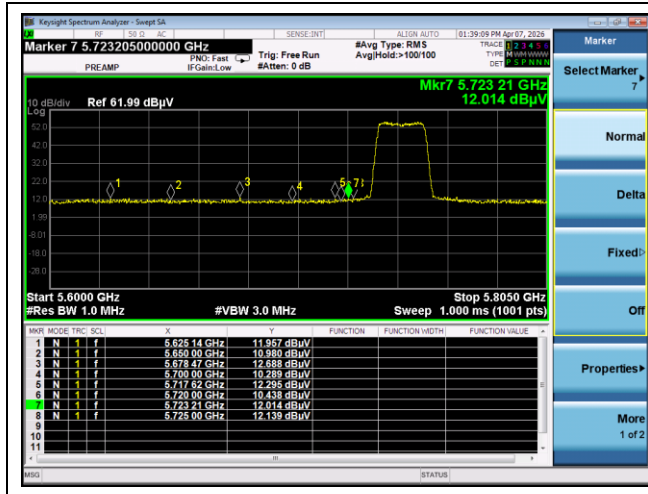


18 GHz ~ 30 GHz

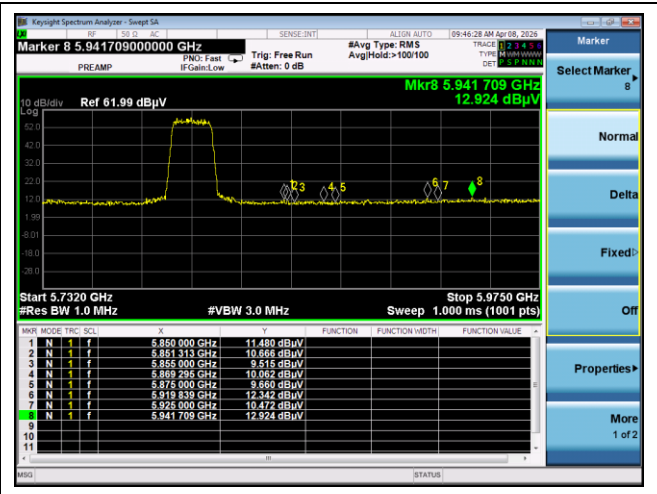


30 GHz ~ 40 GHz

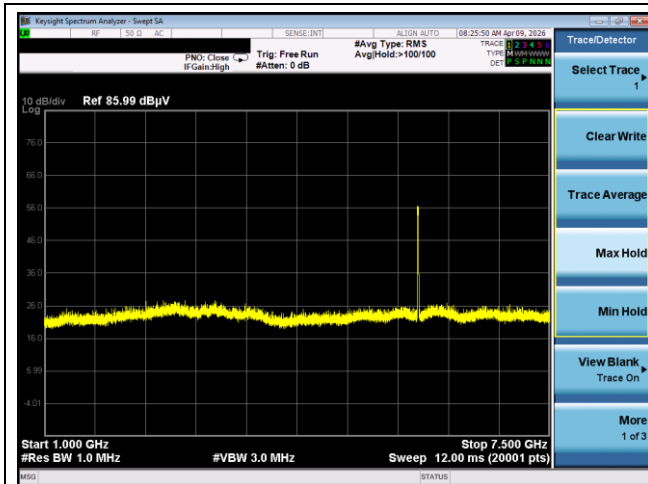
Low channel Band edge (Peak) - UNII-3



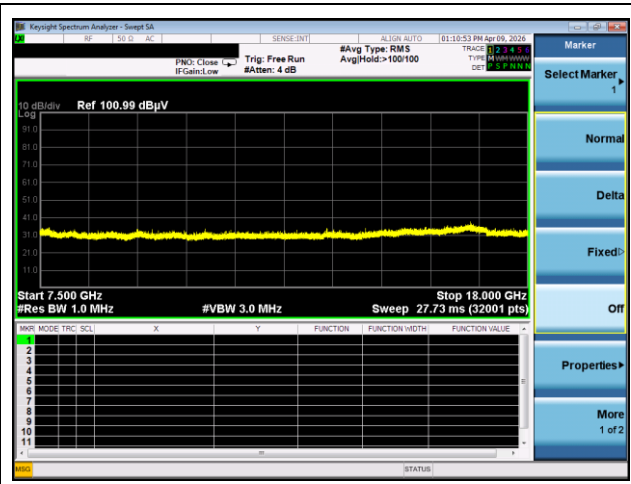
High channel Band edge (Peak) - UNII-3



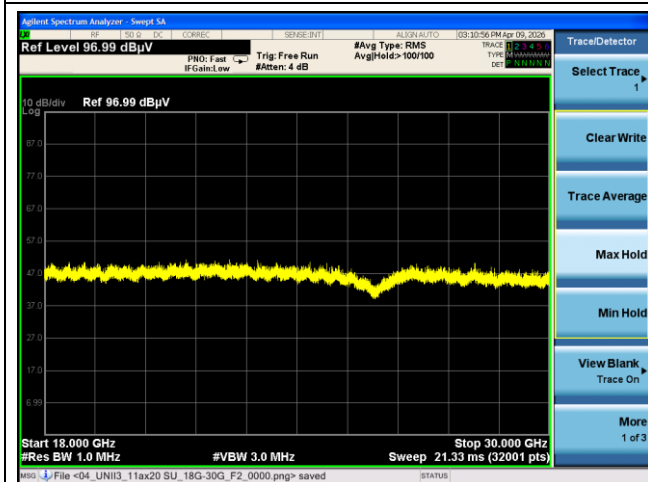
Radiated Spurious Emissions



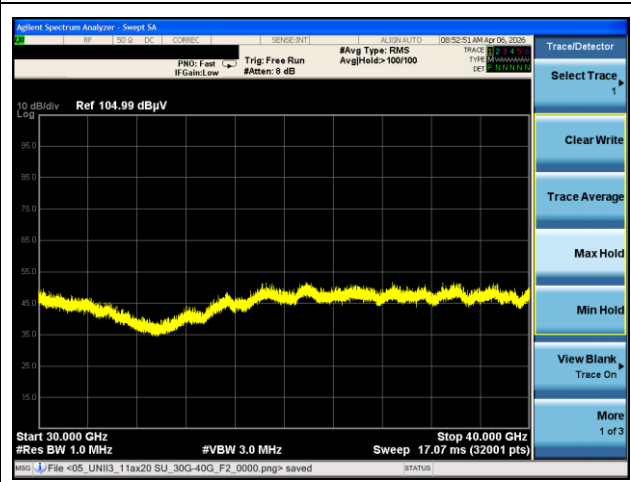
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz



18 GHz ~ 30 GHz

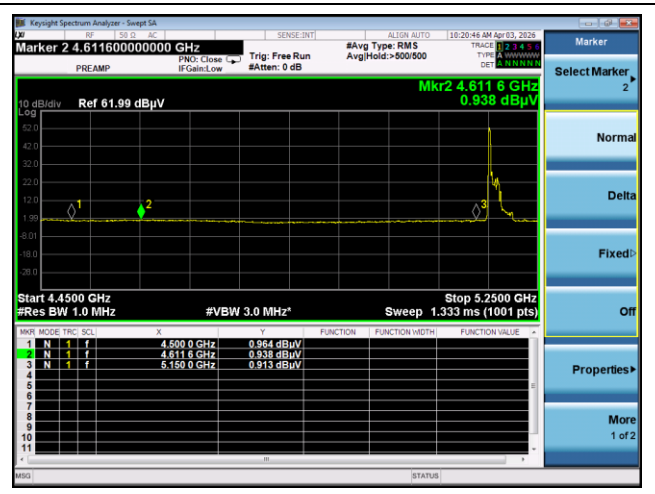
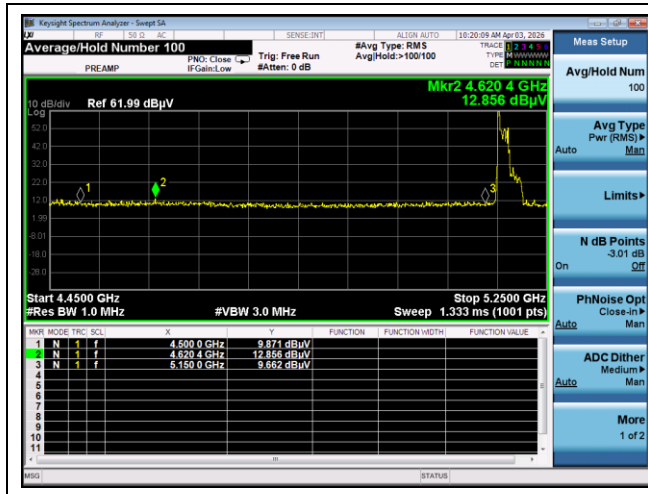


30 GHz ~ 40 GHz

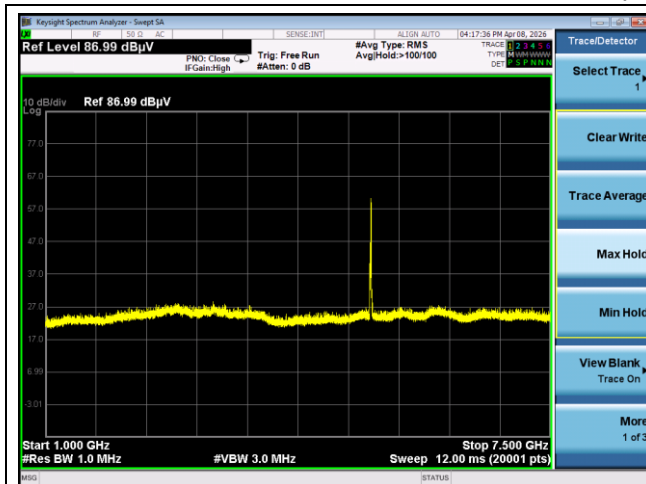
11ax_HE40_26T

Low channel Band edge (Peak) - UNII-1

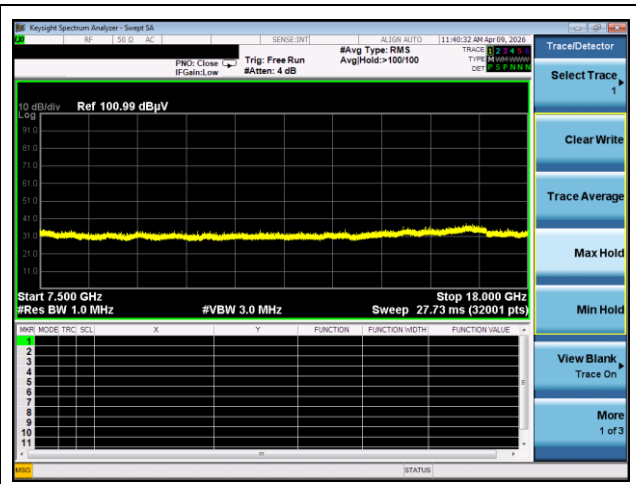
Low channel Band edge (Average) - UNII-1



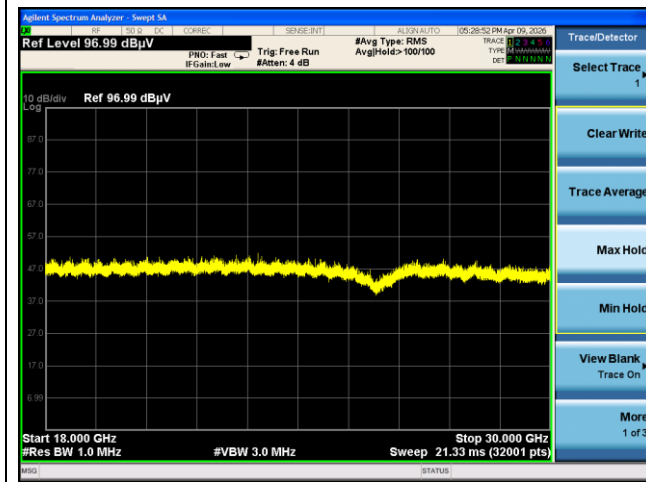
Radiated Spurious Emissions



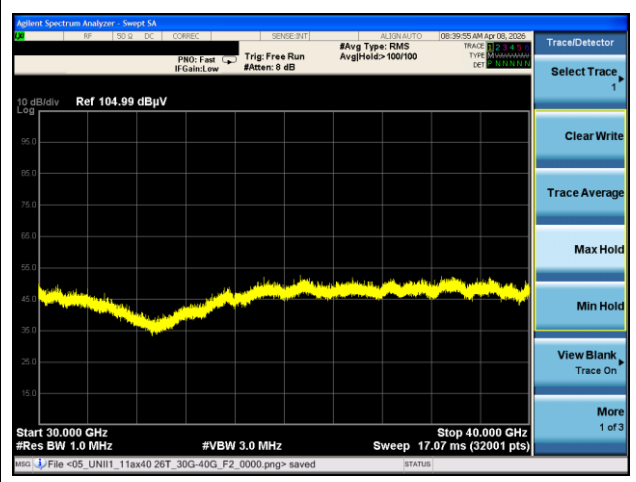
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz

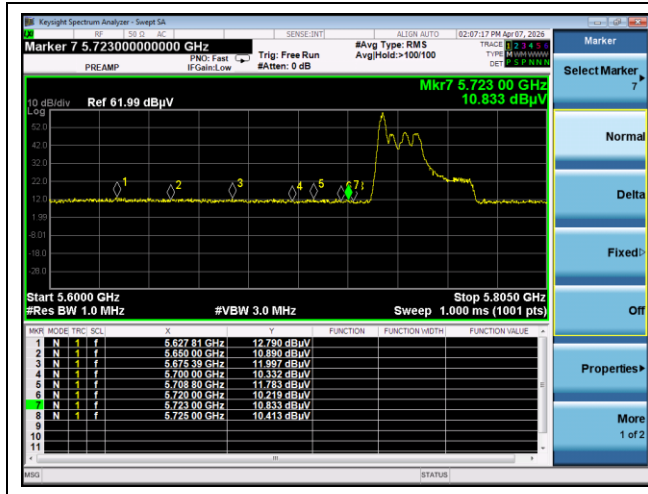


18 GHz ~ 30 GHz

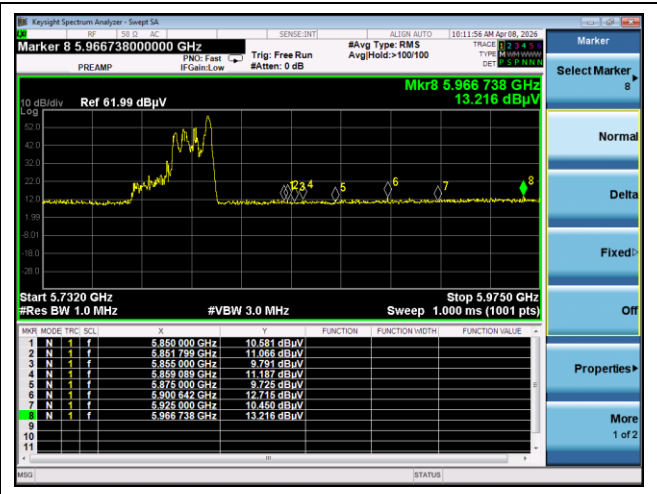


30 GHz ~ 40 GHz

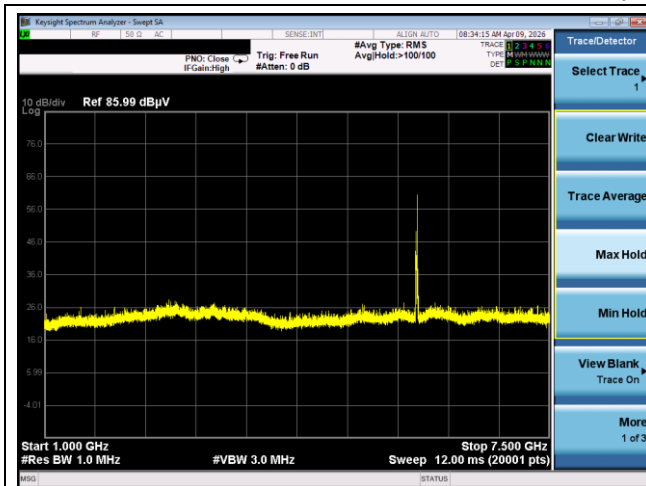
Low channel Band edge (Peak) - UNII-3



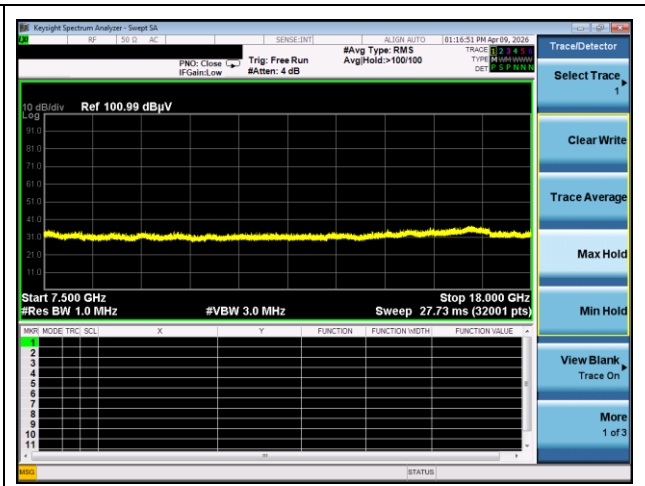
High channel Band edge (Peak) - UNII-3



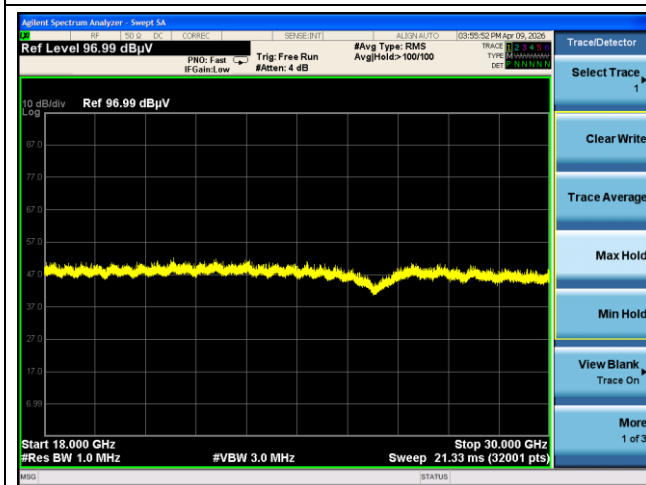
Radiated Spurious Emissions



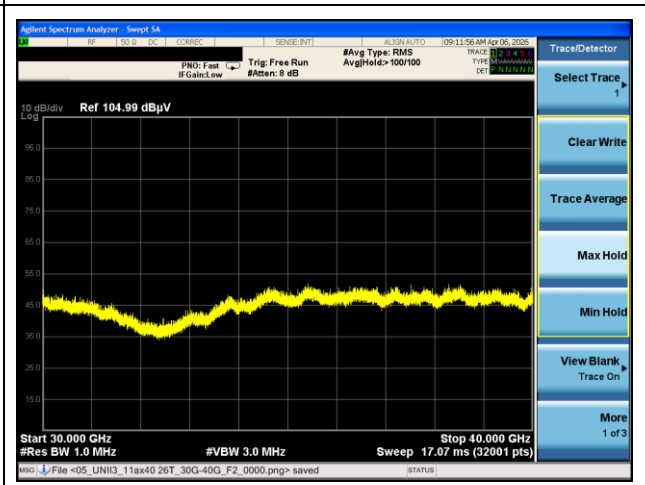
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz



18 GHz ~ 30 GHz

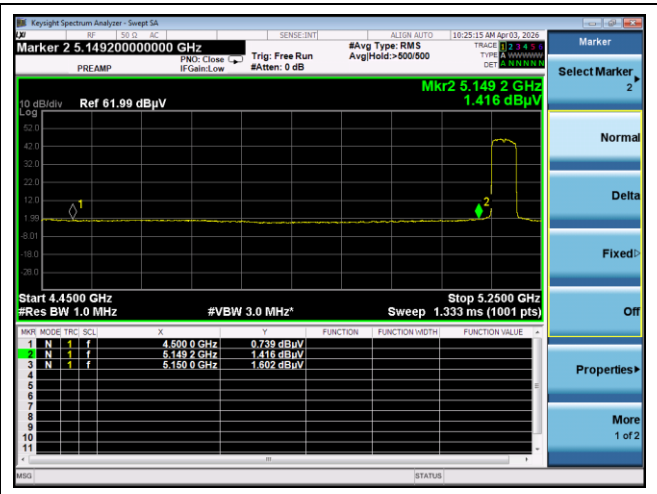
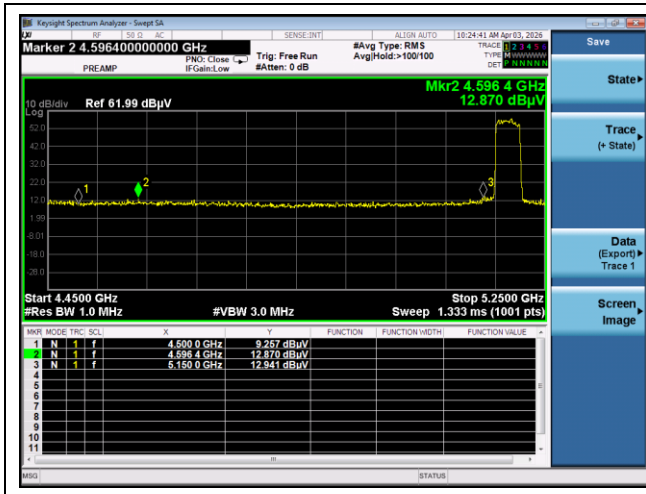


30 GHz ~ 40 GHz

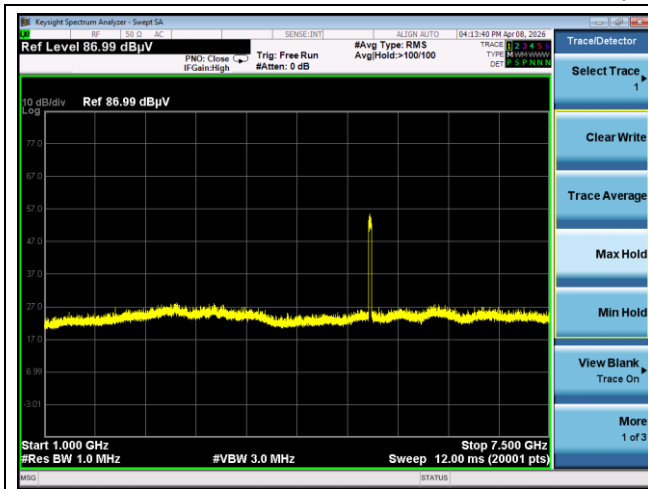
11ax_HE40_SU

Low channel Band edge (Peak) - UNII-1

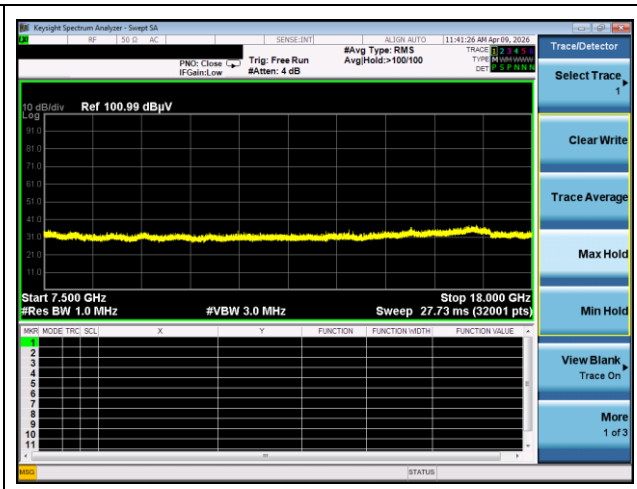
Low channel Band edge (Average) - UNII-1



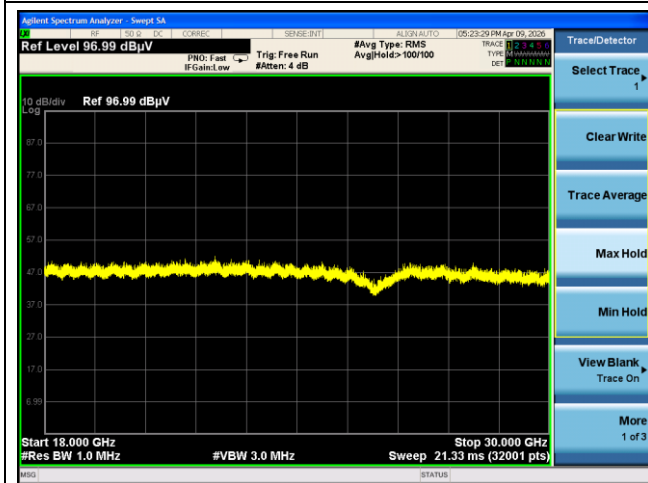
Radiated Spurious Emissions



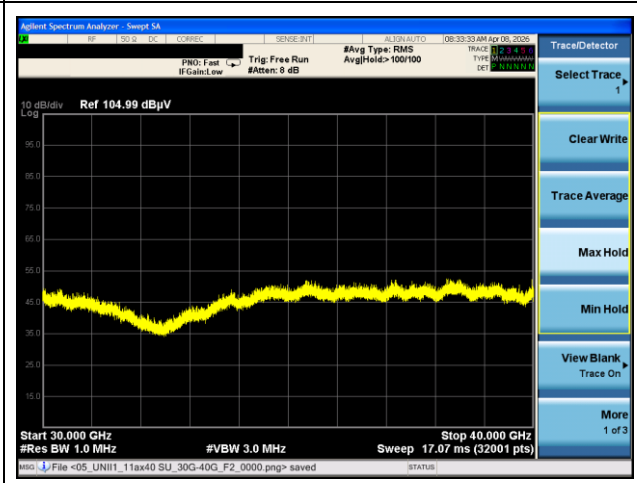
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz

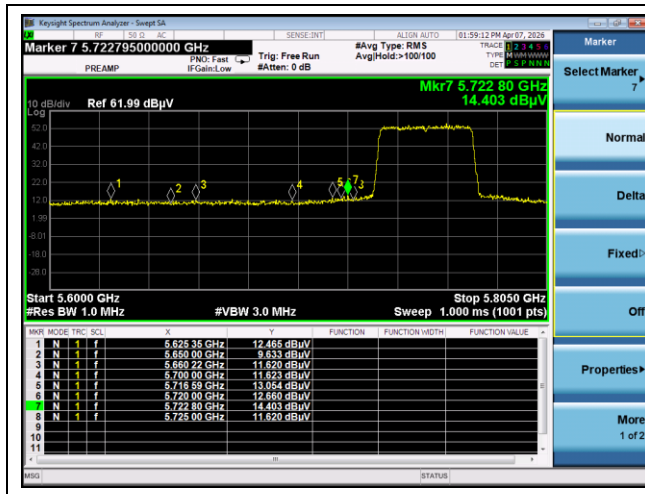


18 GHz ~ 30 GHz

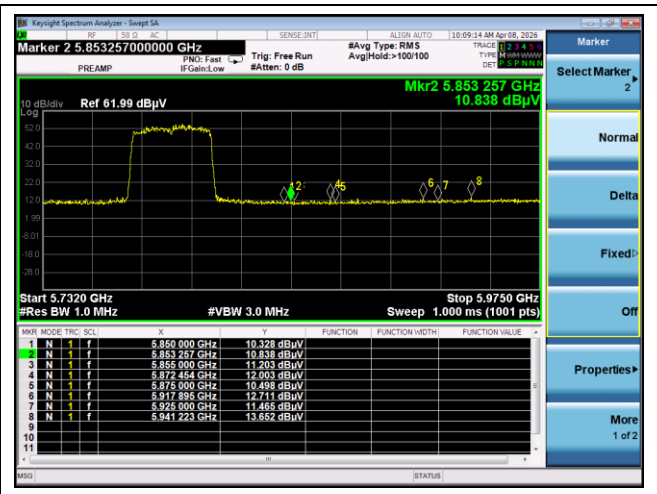


30 GHz ~ 40 GHz

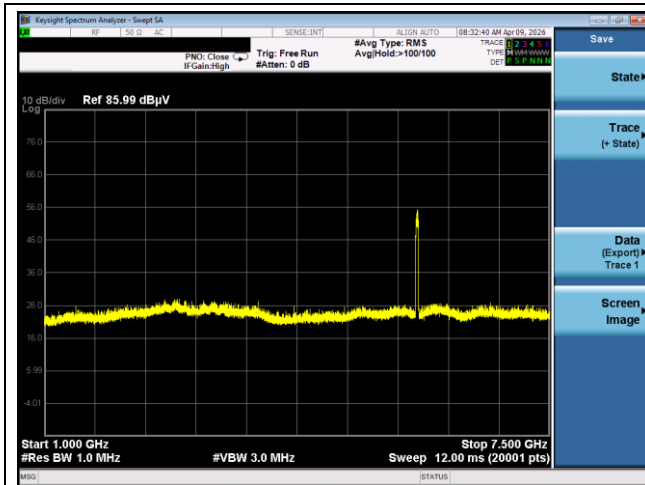
Low channel Band edge (Peak) - UNII-3



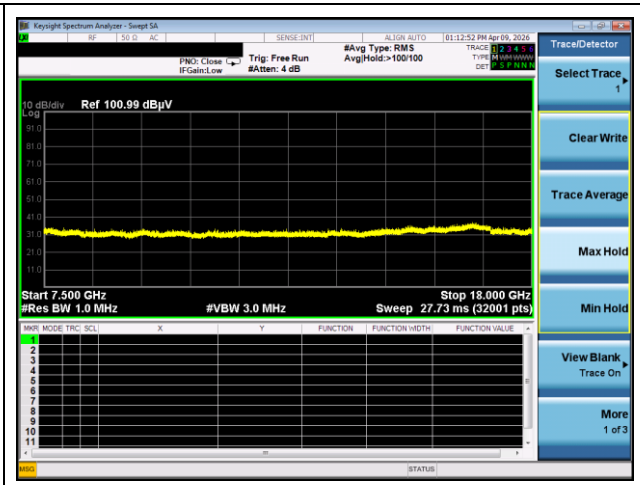
High channel Band edge (Peak) - UNII-3



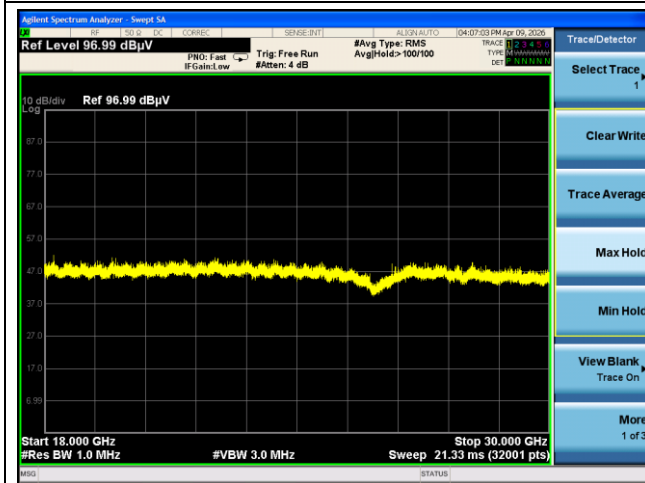
Radiated Spurious Emissions



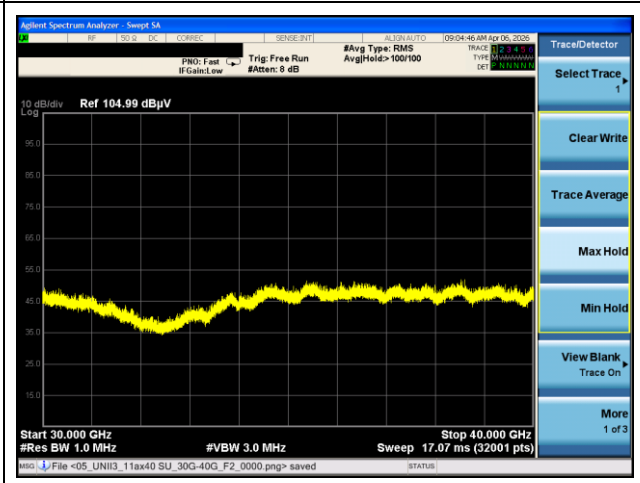
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz



18 GHz ~ 30 GHz

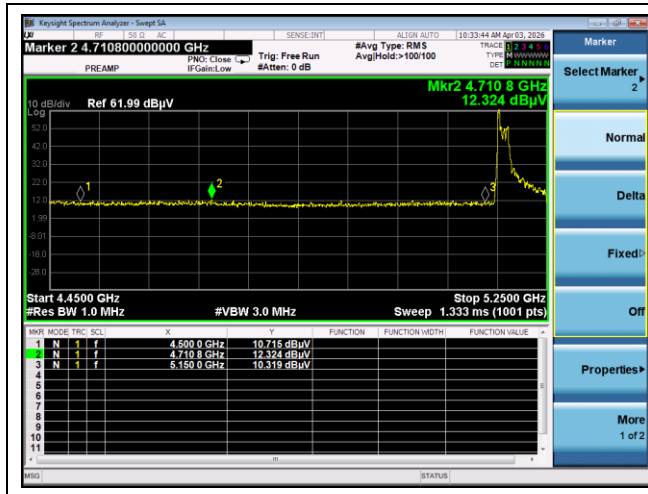


30 GHz ~ 40 GHz

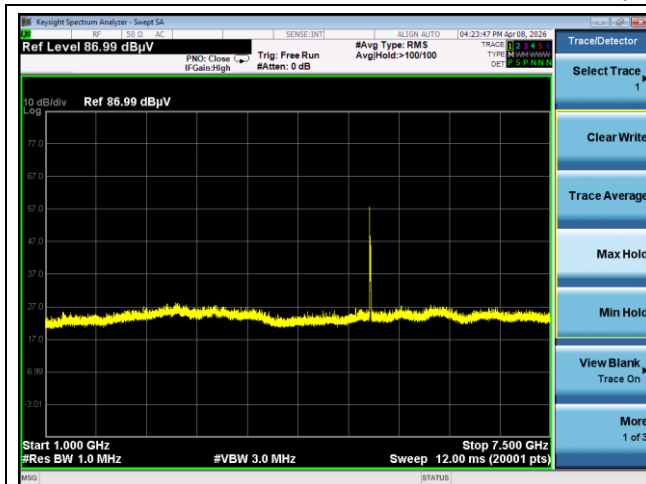
11ax_HE80_26T

Low channel Band edge (Peak) - UNII-1

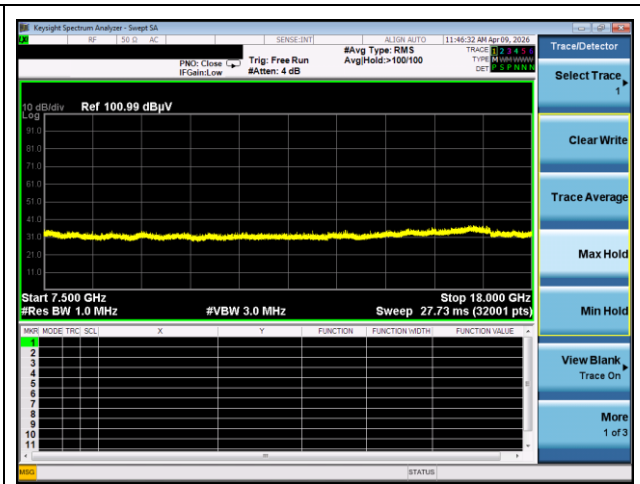
Low channel Band edge (Average) - UNII-1



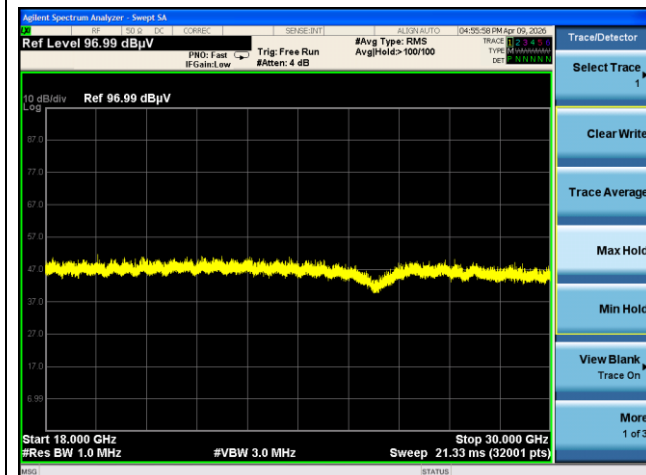
Radiated Spurious Emissions



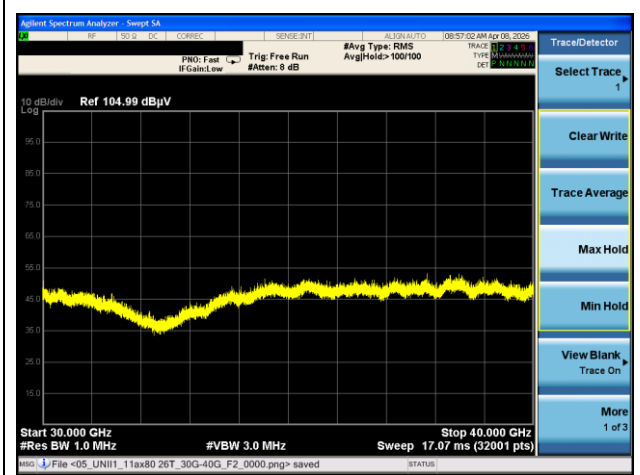
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz

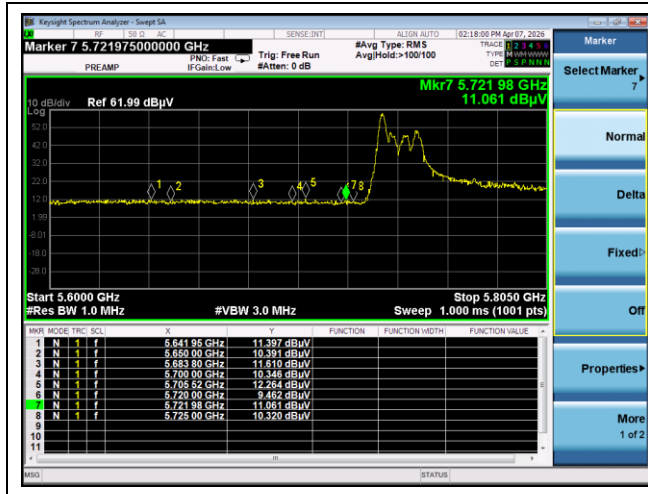


18 GHz ~ 30 GHz



30 GHz ~ 40 GHz

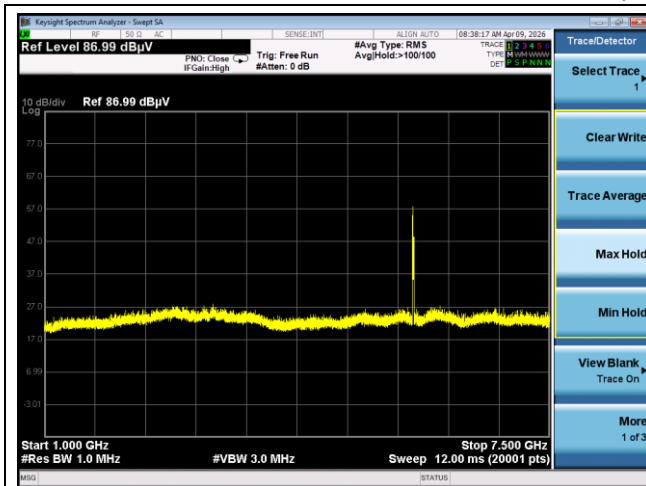
Low channel Band edge (Peak) - UNII-3



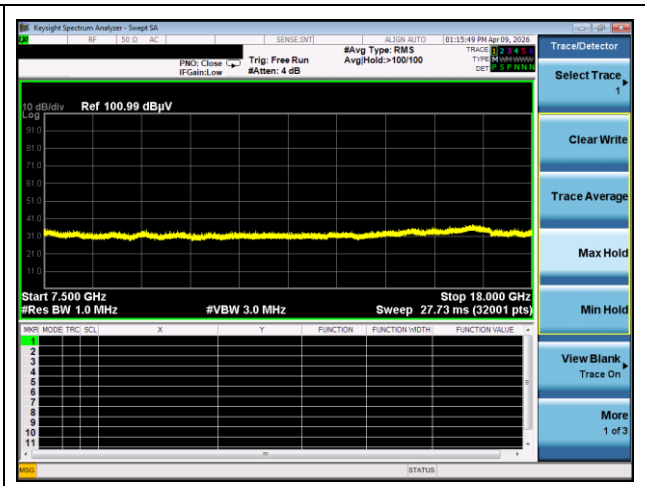
High channel Band edge (Peak) - UNII-3



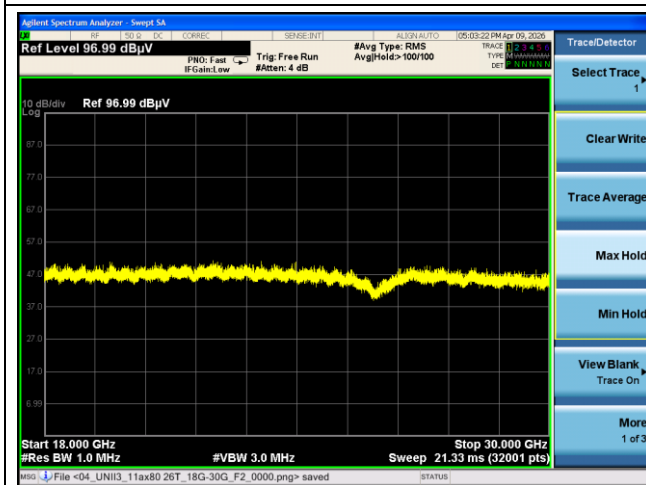
Radiated Spurious Emissions



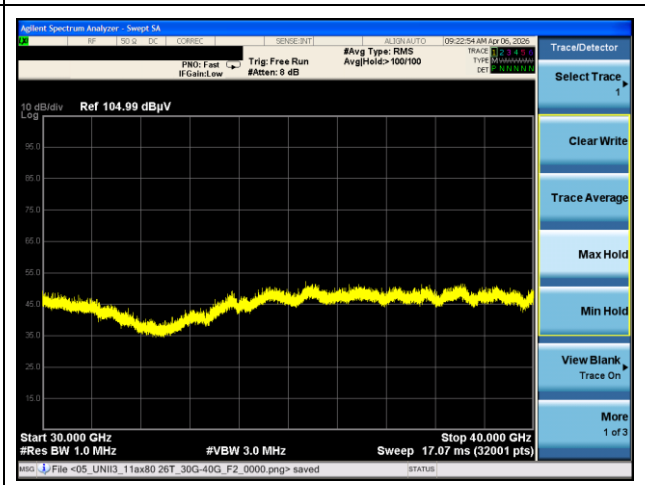
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz



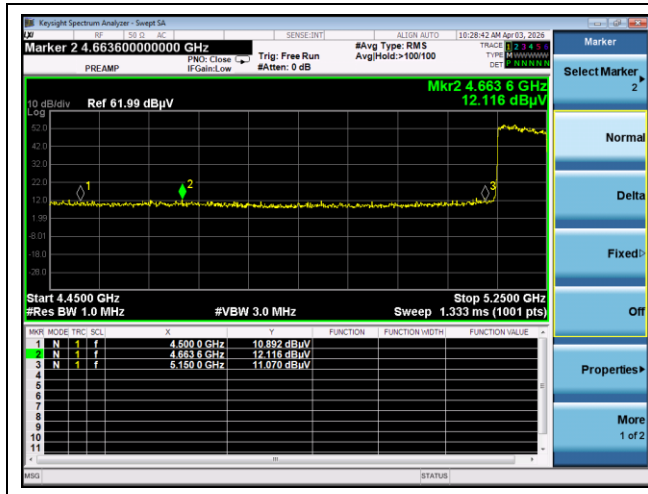
18 GHz ~ 30 GHz



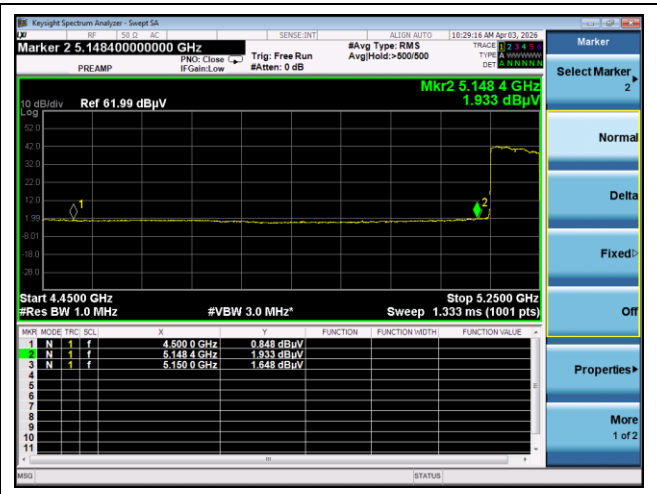
30 GHz ~ 40 GHz

11ax_HE80_SU

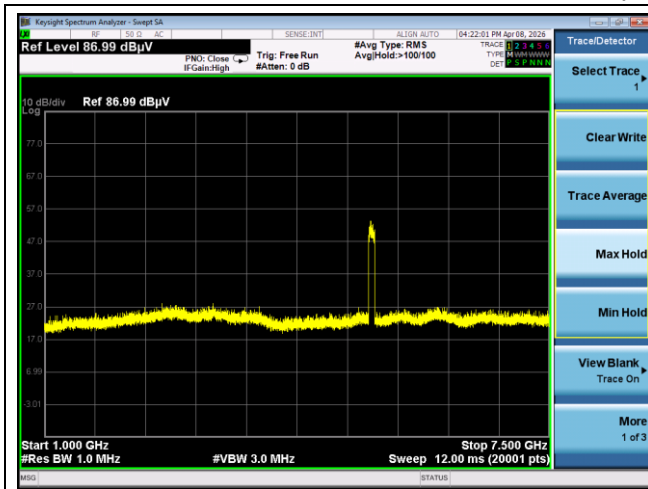
Middle channel Band edge (Peak) - UNII-1



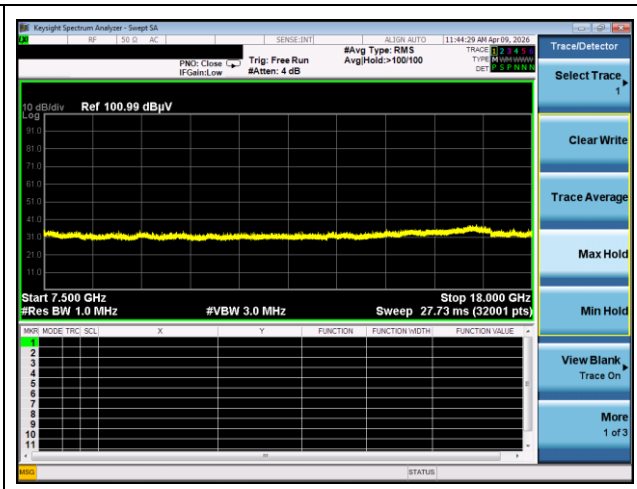
Middle channel Band edge (Average) - UNII-1



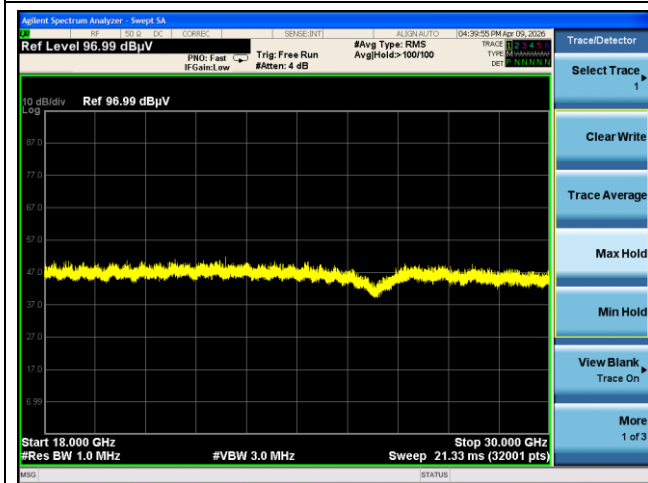
Radiated Spurious Emissions



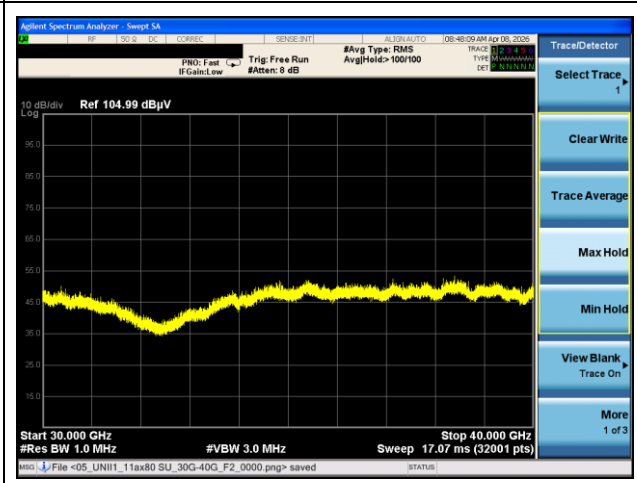
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz

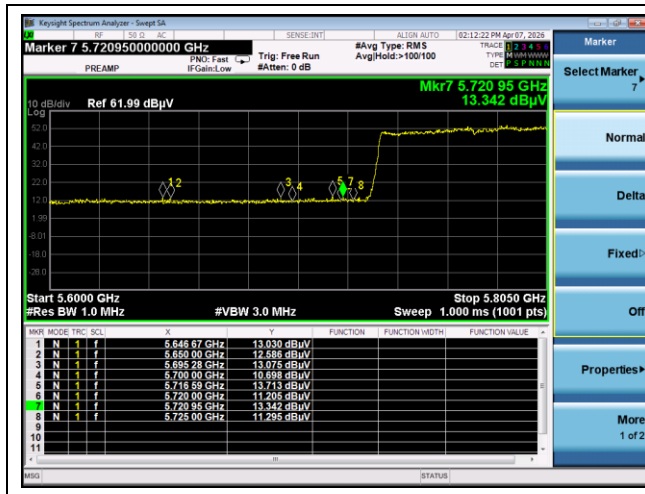


18 GHz ~ 30 GHz

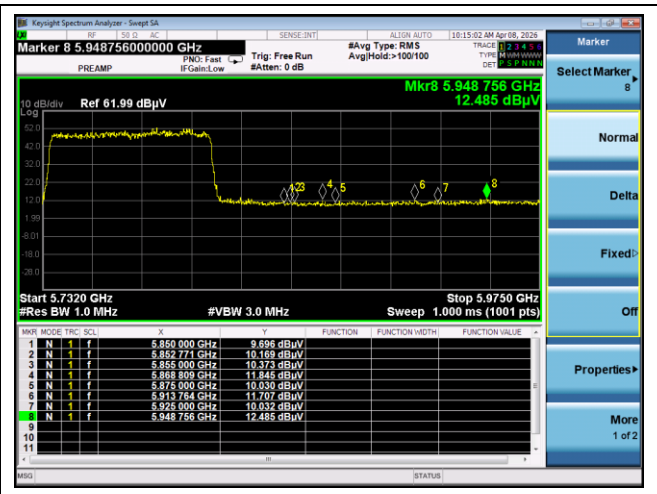


30 GHz ~ 40 GHz

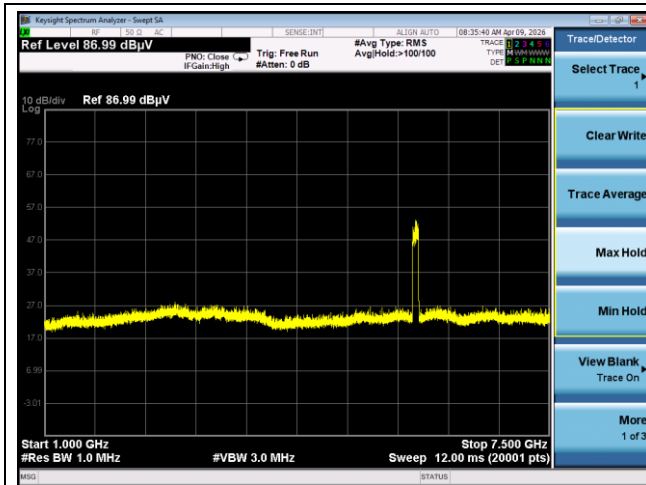
Low channel Band edge (Peak) - UNII-3



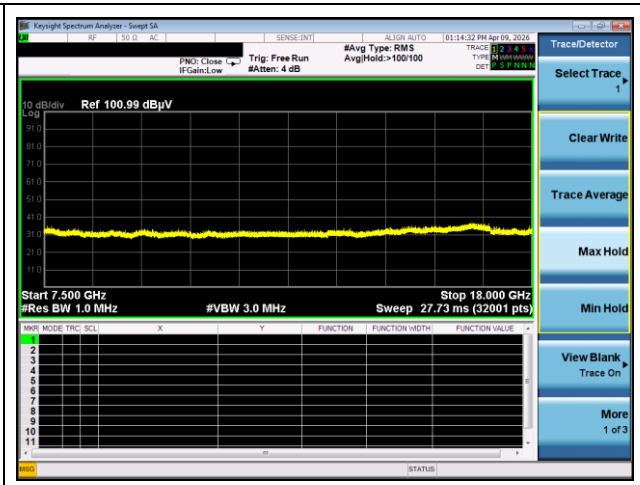
High channel Band edge (Peak) - UNII-3



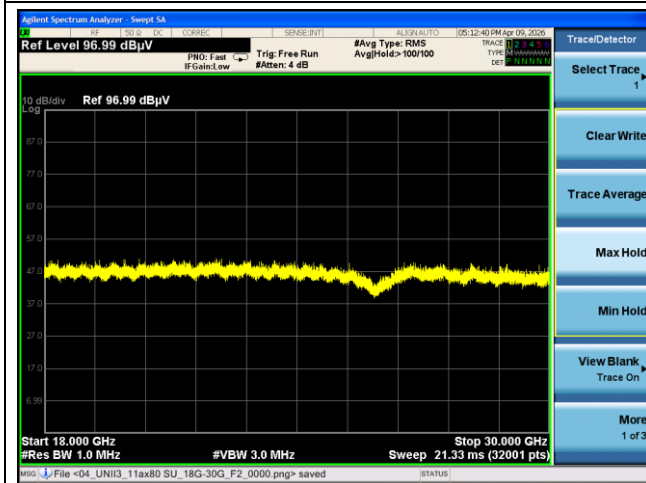
Radiated Spurious Emissions



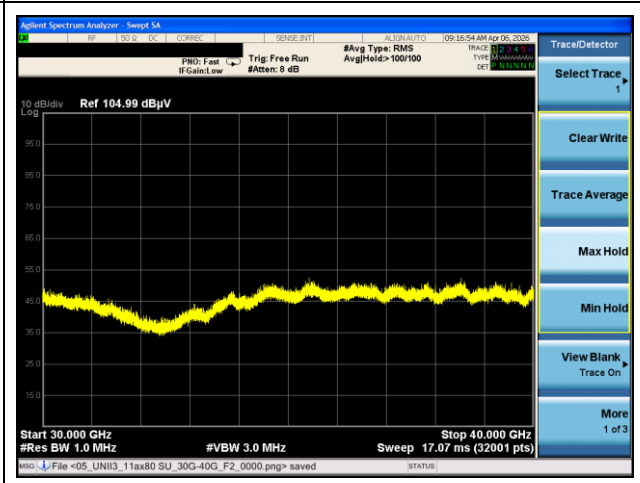
1 GHz ~ 7.5 GHz



7.5 GHz ~ 18 GHz



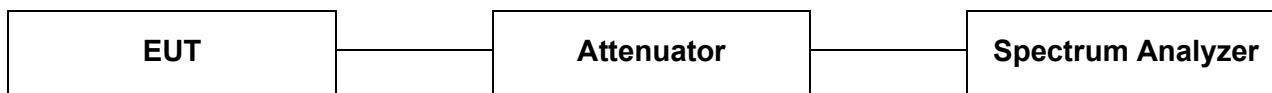
18 GHz ~ 30 GHz



30 GHz ~ 40 GHz

3. 26 dB Bandwidth & 99 % Bandwidth

3.1. Test Setup



3.2. Limit

None; for reporting purpose only.

3.3. Test Procedure

3.3.1. 26 dB Bandwidth

1. This measurement settings are specified in section II.C.1 of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1 % of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak 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 %.

3.3.2. 99 % Bandwidth

1. This measurement settings are specified in section II.D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set center frequency to the nominal EUT channel center frequency.
3. Set span = 1.5 times to 5.0 times the OBW.
4. Set RBW = 1 % to 5 % of the OBW.
5. Set VBW $\geq 3 \times$ RBW.
6. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
7. Use the 99 % power bandwidth function of the instrument (if available).
8. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % occupied bandwidth is the difference between these two frequencies.

In the result,

- DFS requirements are not applicable in the 5 150 MHz ~ 5 250 MHz.

3.4. Test Result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 %

SISO (Ant.3)

Test mode: 11ax_HE20_26T

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)			99 % Bandwidth (MHz)		
				Ru Index			Ru Index		
				Low	Middle	High	Low	Middle	High
UNII-1	5 180	MCS9	36	19.960	18.601	20.380	18.501	17.223	18.621
	5 220		44	20.000	18.741	20.240	18.541	17.263	18.661
	5 240		48	20.220	18.881	20.200	18.541	17.183	18.661
UNII-3	5 745		149	19.920	18.841	20.140	18.501	17.223	18.701
	5 785		157	19.920	18.681	20.300	18.581	17.263	18.701
	5 805		161	19.920	18.661	20.440	18.501	17.223	18.661

Test mode: 11ax_HE20_SU

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)	99 % Bandwidth (MHz)
UNII-1	5 180	MCS9	36	21.858	19.141
	5 220		44	21.938	19.141
	5 240		48	21.918	19.141
UNII-3	5 745		149	21.898	19.141
	5 785		157	21.918	19.141
	5 805		161	22.038	19.181

Test mode: 11ax_HE40_26T

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)			99 % Bandwidth (MHz)		
				Ru Index			Ru Index		
				Low	Middle	High	Low	Middle	High
UNII-1	5 190	MCS9	38	20.340	24.216	20.659	19.421	23.417	20.300
	5 230		46	20.300	23.896	20.619	19.580	23.736	19.980
UNII-3	5 755		151	20.180	24.096	20.819	19.980	23.816	20.939
	5 795		159	20.260	23.816	21.019	21.019	24.136	20.699

Test mode: 11ax_HE40_SU

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)	99 % Bandwidth (MHz)
UNII-1	5 190	MCS9	38	40.440	37.642
	5 230		46	40.440	37.642
UNII-3	5 755		151	40.520	37.722
	5 795		159	40.639	37.642

Test mode: 11ax_HE80_26T

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)			99 % Bandwidth (MHz)		
				Ru Index			Ru Index		
				Low	Middle	High	Low	Middle	High
UNII-1	5 210	MCS9	42	25.015	44.755	24.136	31.968	45.075	31.808
UNII-3	5 775		155	20.699	44.835	23.257	31.968	45.874	33.247

Test mode: 11ax_HE80_SU

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)	99 % Bandwidth (MHz)
UNII-1	5 210	MCS9	42	82.318	77.203
UNII-3	5 775		155	82.557	77.203

- MIMO

Test mode: 11ax_HE20_26T

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Ant.1	Ant.2	Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 180	MCS9	36	19.860	19.800	18.482	18.202	20.060	19.980
	5 220		44	19.900	19.820	18.601	18.202	20.100	20.040
	5 240		48	19.880	19.920	18.442	18.202	20.060	20.080
UNII-3	5 745		149	20.000	19.840	18.681	18.242	20.240	20.060
	5 785		157	20.020	19.940	18.621	18.182	20.100	20.000
	5 805		161	19.840	19.840	18.522	18.202	20.100	20.100

Band	Frequency (MHz)	Data Rate	Ch.	99 % Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Ant.1	Ant.2	Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 180	MCS9	36	18.661	18.422	17.143	17.143	18.621	18.621
	5 220		44	18.541	18.501	17.223	17.103	18.621	18.661
	5 240		48	18.581	18.422	17.183	17.063	18.621	18.701
UNII-3	5 745		149	18.541	18.422	17.263	17.063	18.701	18.661
	5 785		157	18.621	18.422	17.303	17.063	18.741	18.661
	5 805		161	18.621	18.501	17.263	17.103	18.701	18.701

Test mode: 11ax_HE20_SU

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)		99 % Bandwidth (MHz)	
				Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 180	MCS9	36	22.018	21.878	19.141	19.141
	5 220		44	21.918	21.798	19.221	19.101
	5 240		48	21.878	21.658	19.181	19.141
UNII-3	5 745		149	21.858	21.798	19.141	19.141
	5 785		157	21.838	21.938	19.181	19.181
	5 805		161	21.958	21.818	19.141	19.141

Test mode: 11ax_HE40_26T

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Ant.1	Ant.2	Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 190	MCS9	38	20.100	20.220	23.776	23.217	20.899	20.899
	5 230		46	20.180	20.340	24.536	24.056	20.939	20.779
UNII-3	5 755		151	20.020	20.380	24.056	23.616	20.579	20.779
	5 795		159	20.020	20.020	23.736	22.897	20.899	21.099

Band	Frequency (MHz)	Data Rate	Ch.	99 % Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Ant.1	Ant.2	Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 190	MCS9	38	19.500	18.142	23.497	22.058	19.820	18.222
	5 230		46	19.580	18.142	23.337	21.818	20.060	18.222
UNII-3	5 755		151	22.777	18.142	25.095	22.138	24.056	18.222
	5 795		159	25.415	18.222	24.935	22.218	22.857	18.222

Test mode: 11ax_HE40_SU

Band	Frequency (MHz)	Ch.	Data Rate	26 dB Bandwidth (MHz)		99 % Bandwidth (MHz)	
				Ant. 1	Ant. 2	Ant. 1	Ant. 2
U-NII 1	5 190	38	MCS9	40.240	40.280	37.642	37.642
	5 230	46		40.560	40.400	37.642	37.483
U-NII 3	5 755	151		40.520	40.400	37.642	37.642
	5 795	159		40.480	40.200	37.642	37.483

Test mode: 11ax_HE80_26T

Band	Frequency (MHz)	Data Rate	Ch.	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Ant.1	Ant.2	Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 210	MCS9	42	20.859	21.419	44.835	39.560	24.456	24.136
UNII-3	5 775		155	21.738	21.658	44.196	39.720	24.296	23.896

Band	Frequency (MHz)	Data Rate	Ch.	99 % Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Ant.1	Ant.2	Ant.1	Ant.2	Ant.1	Ant.2
UNII-1	5 210	MCS9	42	27.013	19.660	41.399	37.243	29.251	19.820
UNII-3	5 775		155	33.566	19.980	42.837	37.083	34.046	19.820

Test mode: 11ax_HE80_SU

Band	Frequency (MHz)	Ch.	Data Rate	26 dB Bandwidth (MHz)		99 % Bandwidth (MHz)	
				Ant. 1	Ant. 2	Ant. 1	Ant. 2
U-NII 1	5 210	42	MCS9	82.557	82.158	77.203	77.043
U-NII 3	5 775	155		83.117	82.478	77.203	77.203

- Test plots

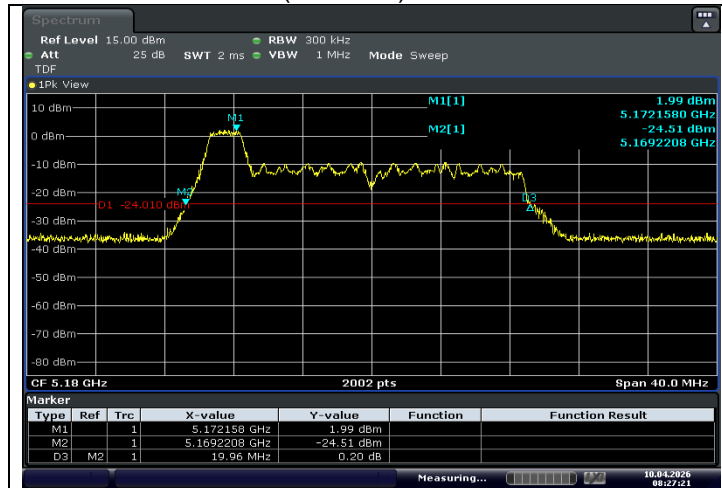
26 dB Bandwidth

SISO (Ant.3)

11ax_HE20_26T (UNII-1)

0 RU

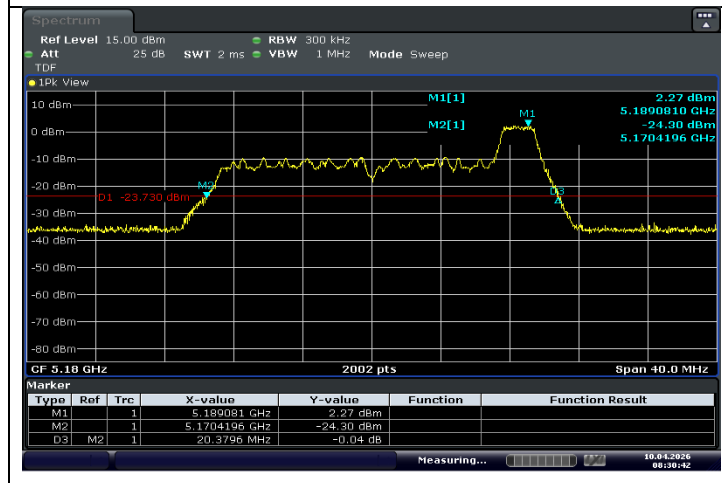
Low Channel (5 180 MHz)



4 RU



8 RU

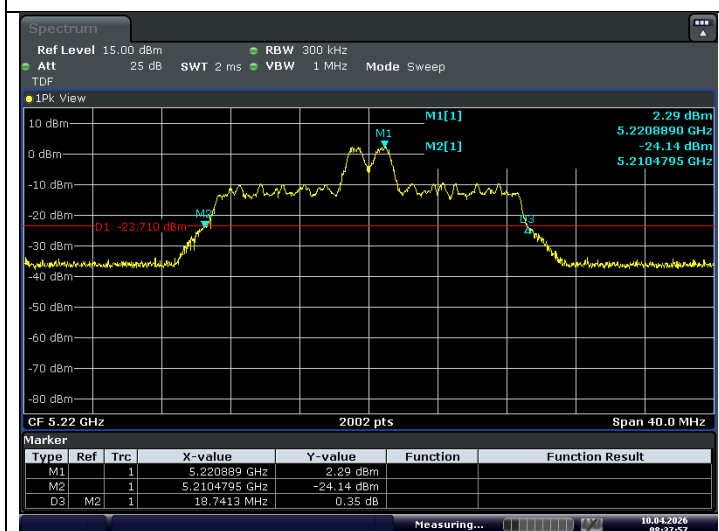


Middle Channel (5 220 MHz)

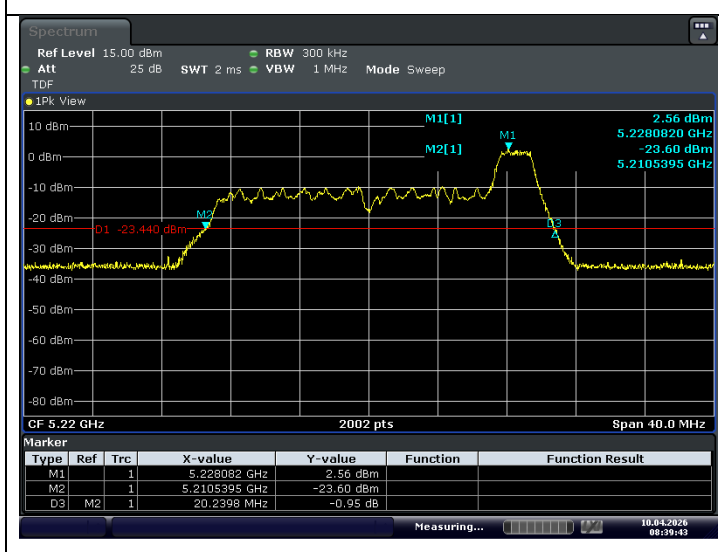
0 RU



4 RU

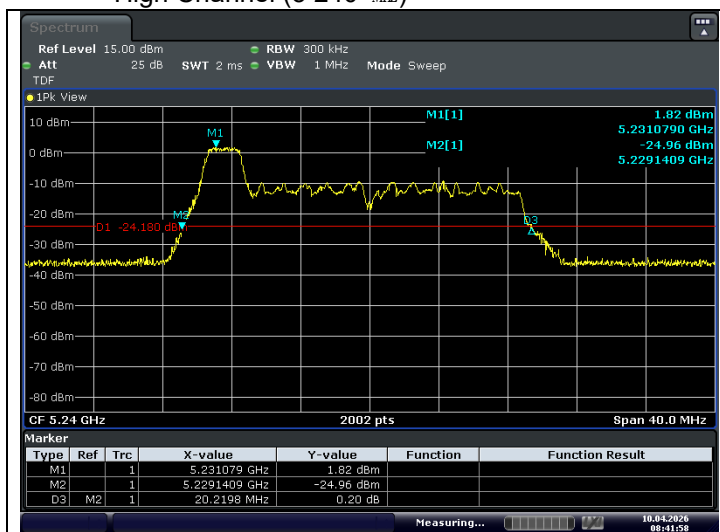


8 RU

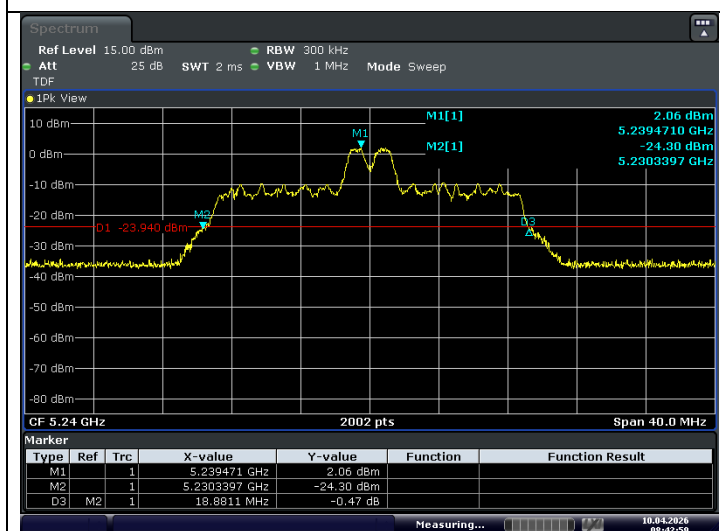


High Channel (5 240 MHz)

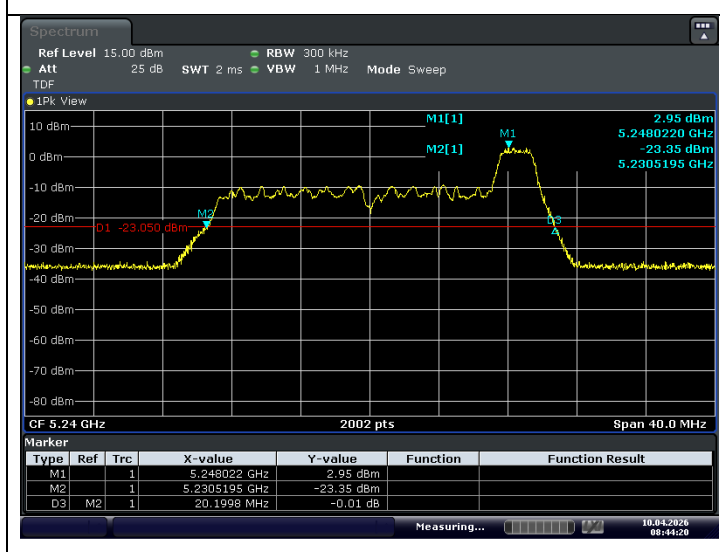
0 RU



4 RU



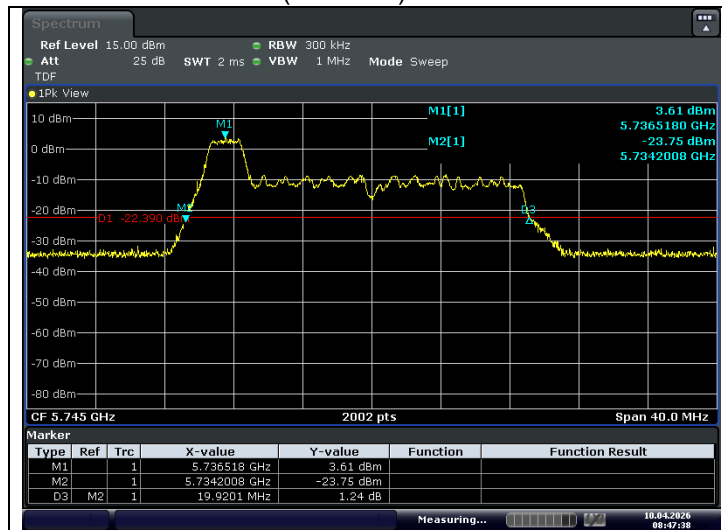
8 RU



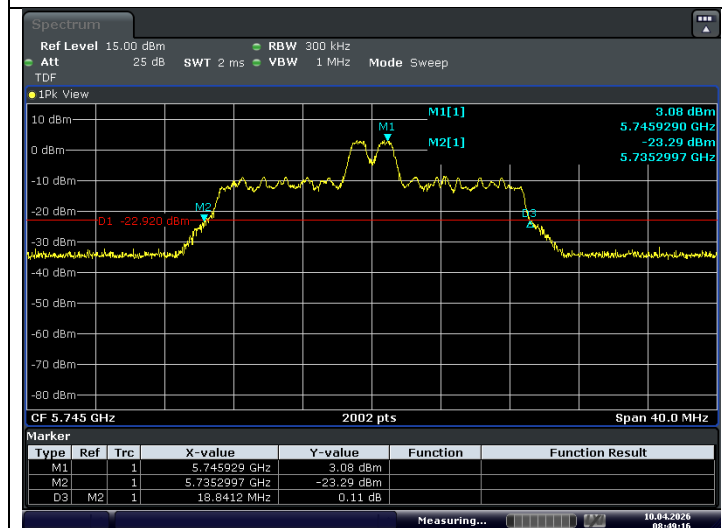
11ax_HE20_26T (UNII-3)

0 RU

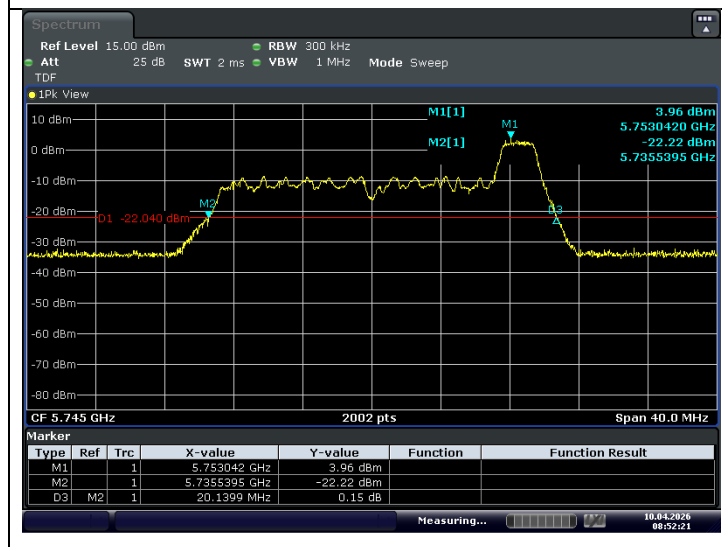
Low Channel (5 745 MHz)



4 RU



8 RU

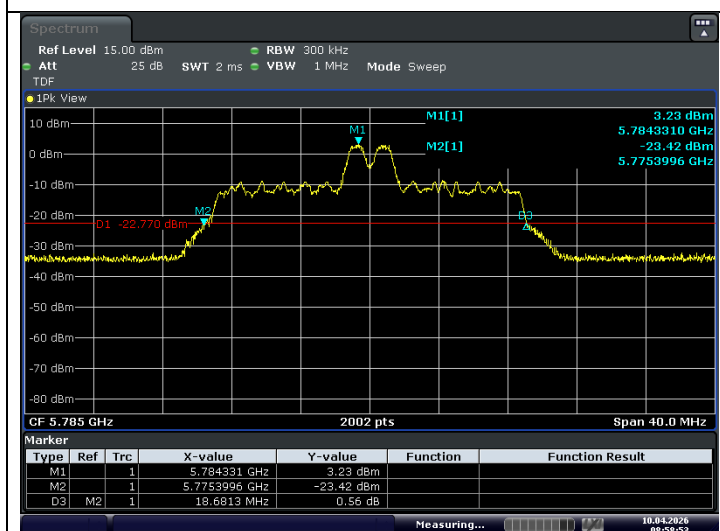


Middle Channel (5 785 MHz)

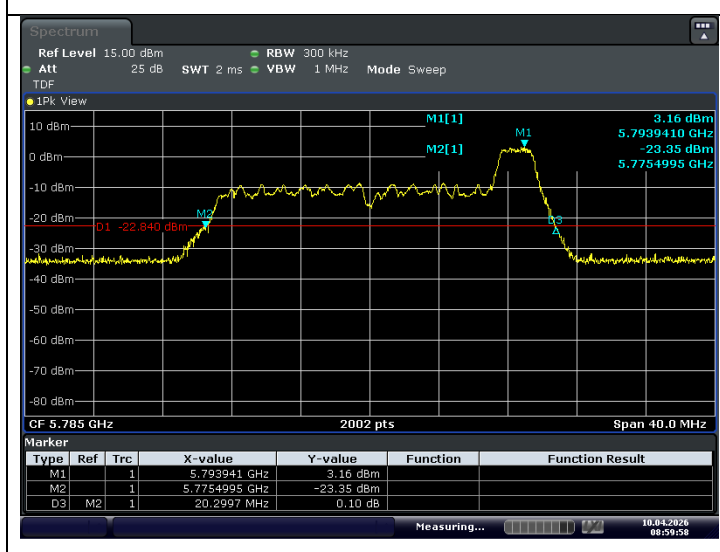
0 RU



4 RU

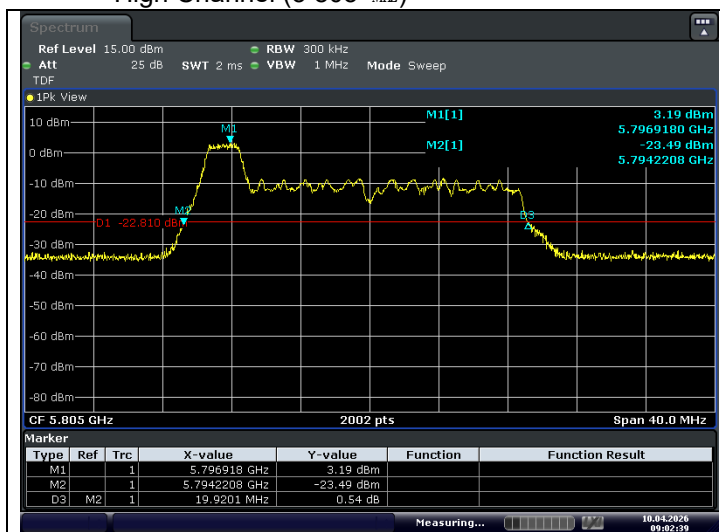


8 RU

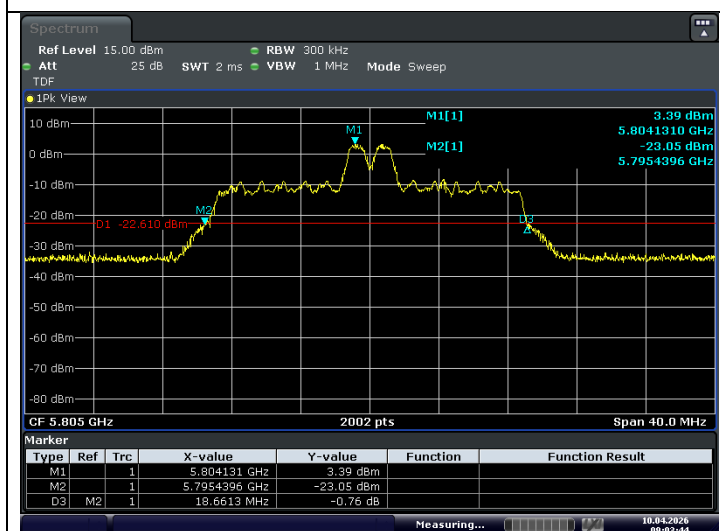


High Channel (5 805 MHz)

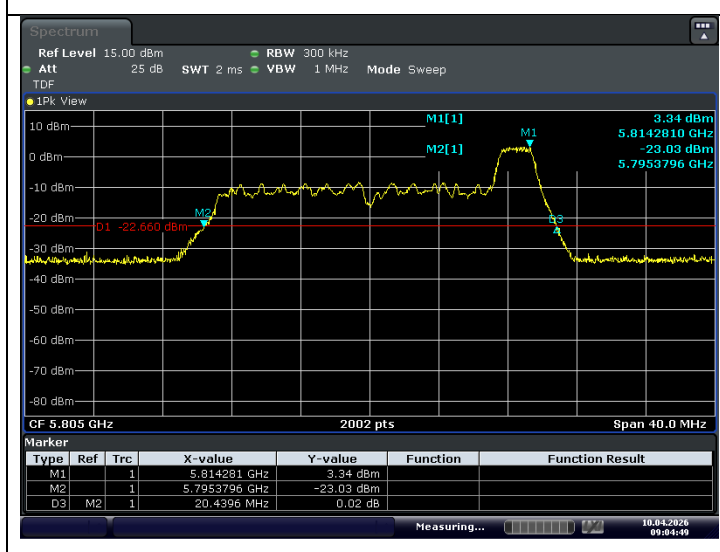
0 RU



4 RU

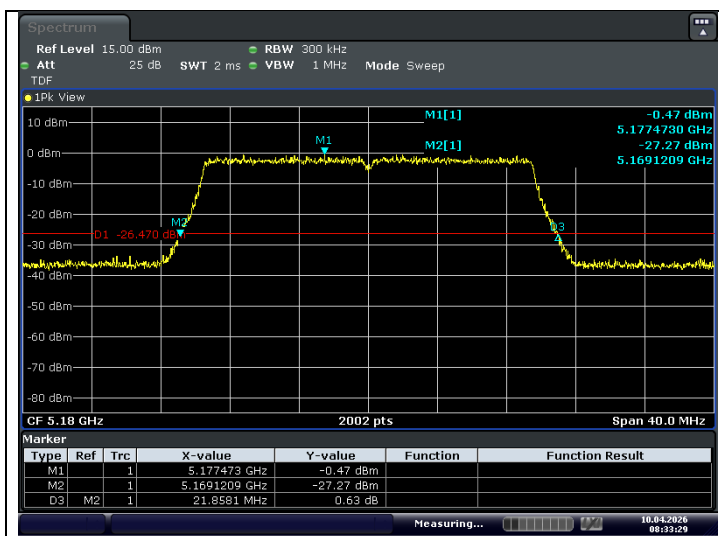


8 RU

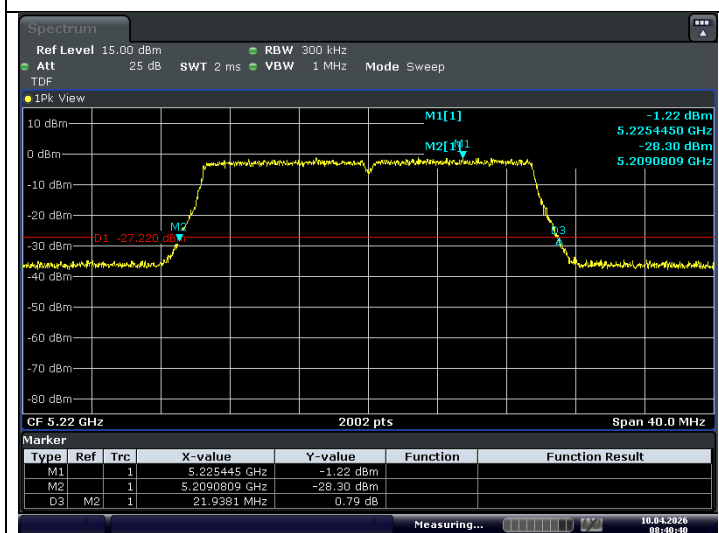


11ax_HE20_SU (UNII-1)

Low Channel
(5 180 MHz)



Middle Channel
(5 220 MHz)



High Channel
(5 240 MHz)

