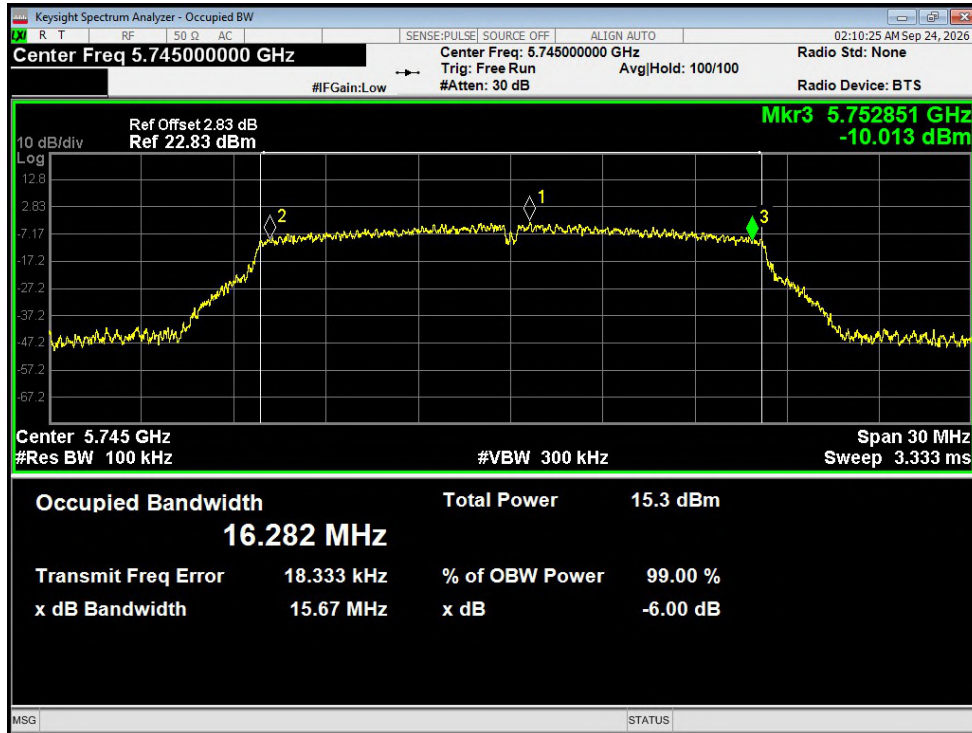




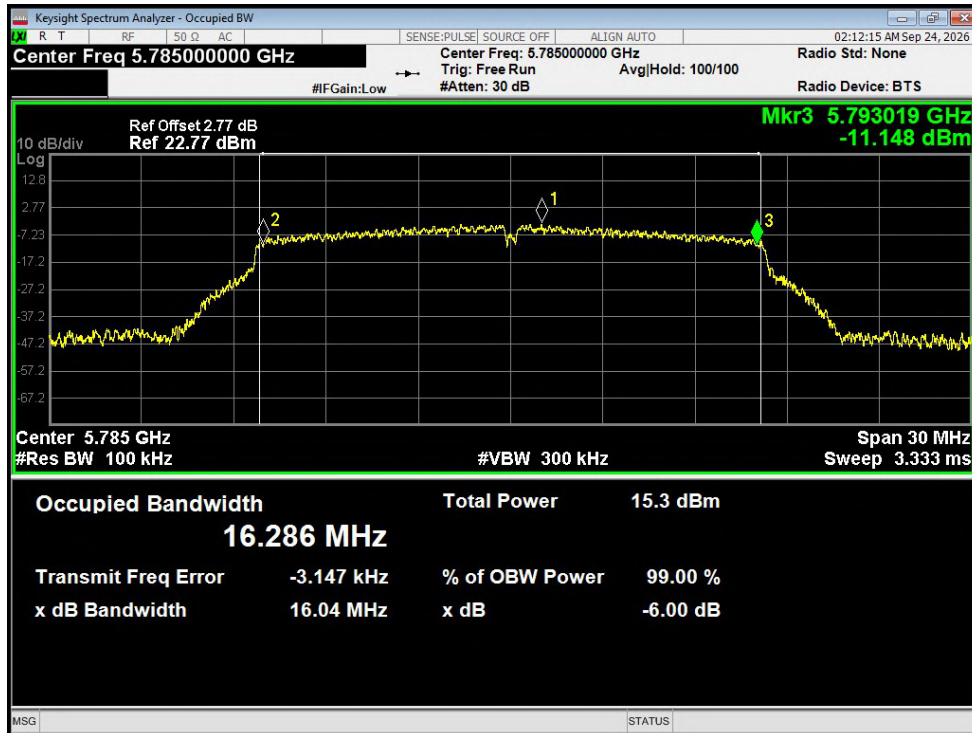
5745-5825MHz

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	15.67	0.5	Pass
NVNT	a	5785	16.04	0.5	Pass
NVNT	a	5825	15.77	0.5	Pass
NVNT	n20	5745	16.90	0.5	Pass
NVNT	n20	5785	16.87	0.5	Pass
NVNT	n20	5825	16.87	0.5	Pass
NVNT	n40	5755	34.43	0.5	Pass
NVNT	n40	5795	34.73	0.5	Pass
NVNT	ac20	5745	15.98	0.5	Pass
NVNT	ac20	5785	15.90	0.5	Pass
NVNT	ac20	5825	16.59	0.5	Pass
NVNT	ac40	5755	35.33	0.5	Pass
NVNT	ac40	5795	34.98	0.5	Pass
NVNT	ac80	5775	76.47	0.5	Pass

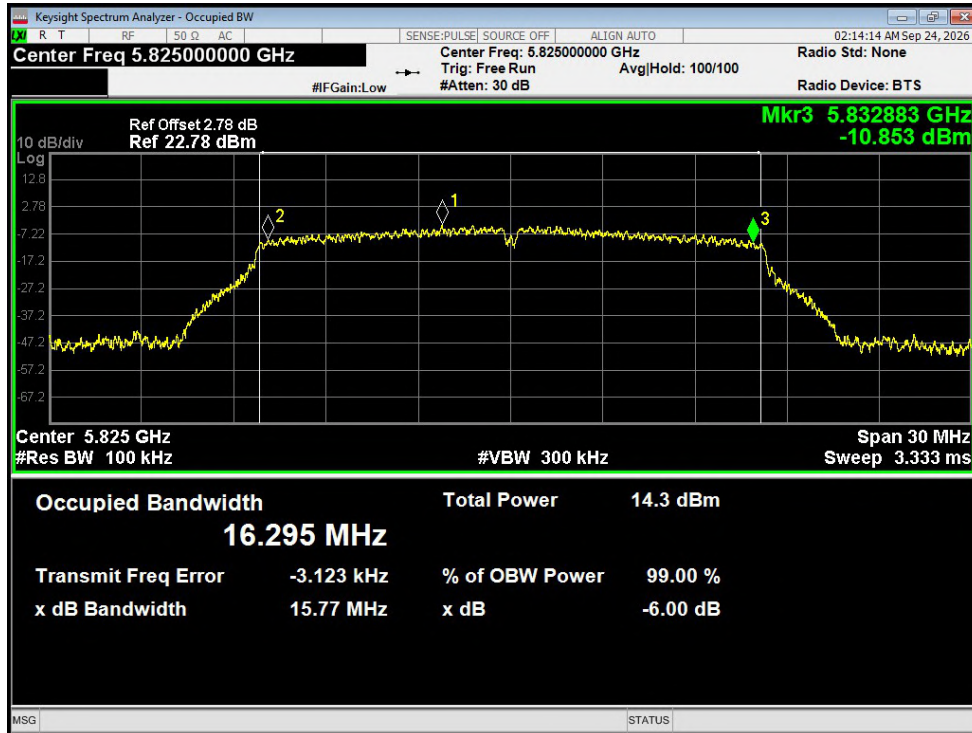
-6dB Bandwidth NVNT a 5745MHz Ant1



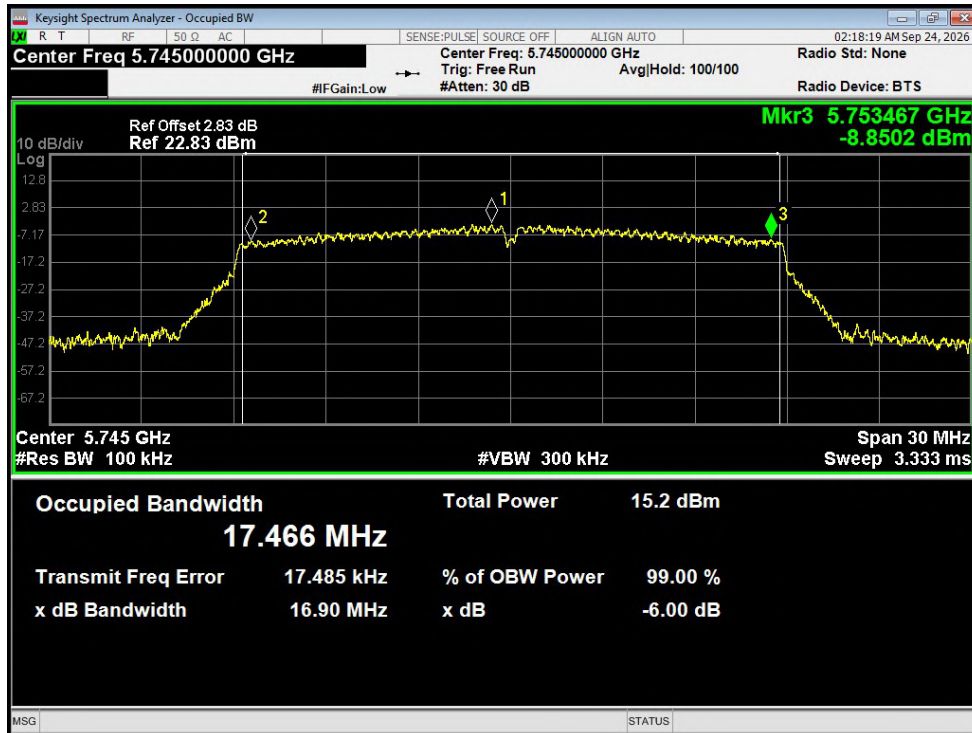
-6dB Bandwidth NVNT a 5785MHz Ant1



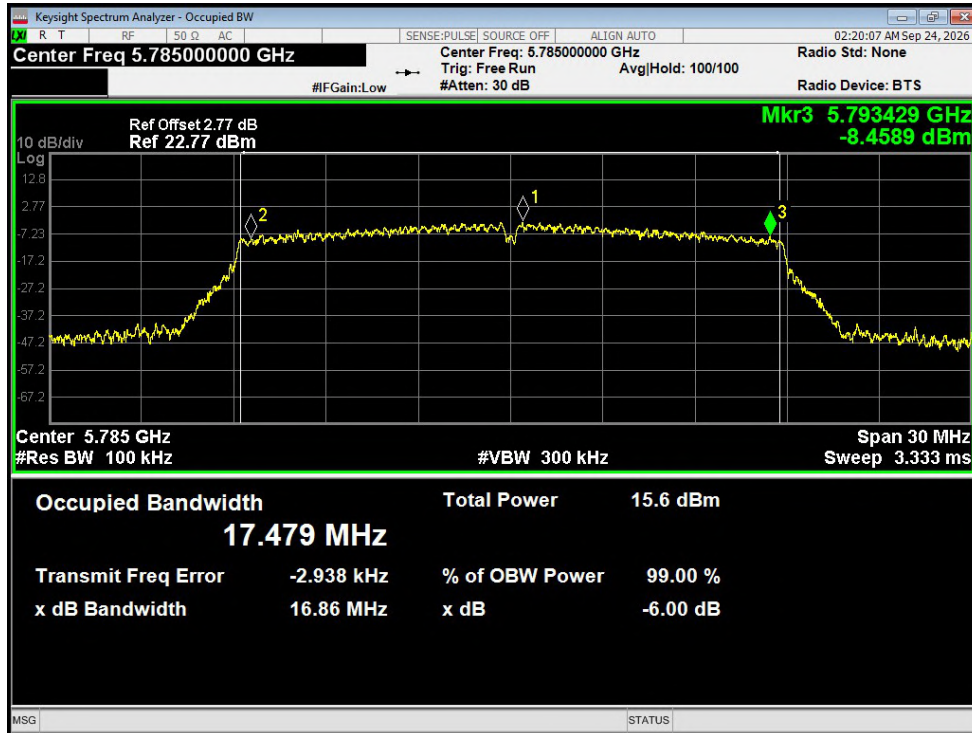
-6dB Bandwidth NVNT a 5825MHz Ant1



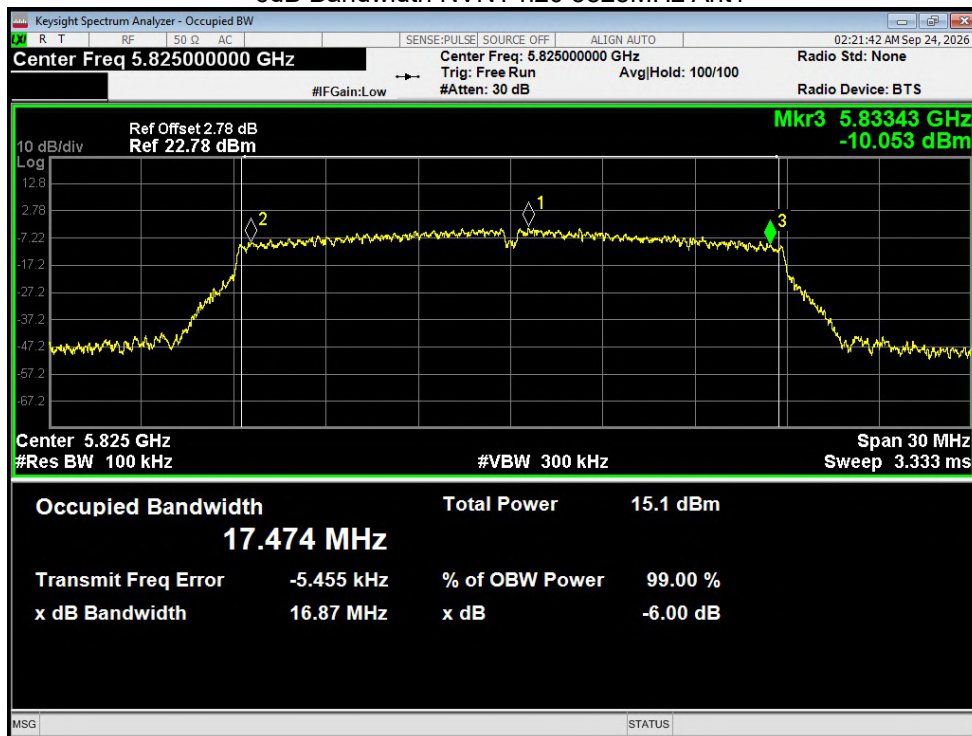
-6dB Bandwidth NVNT n20 5745MHz Ant1



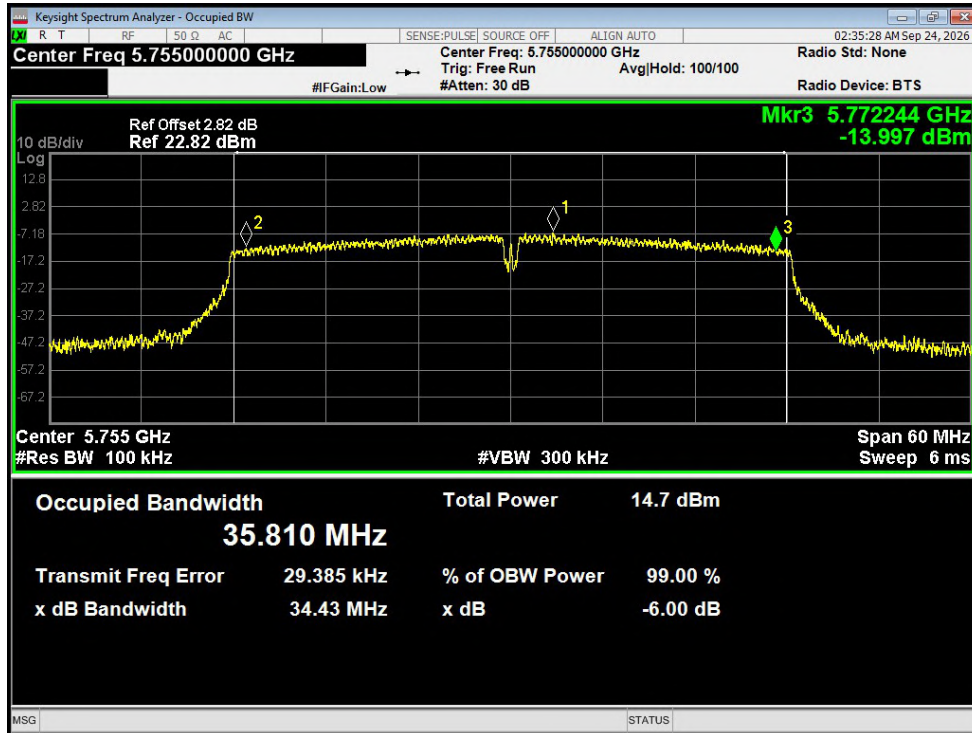
-6dB Bandwidth NVNT n20 5785MHz Ant1



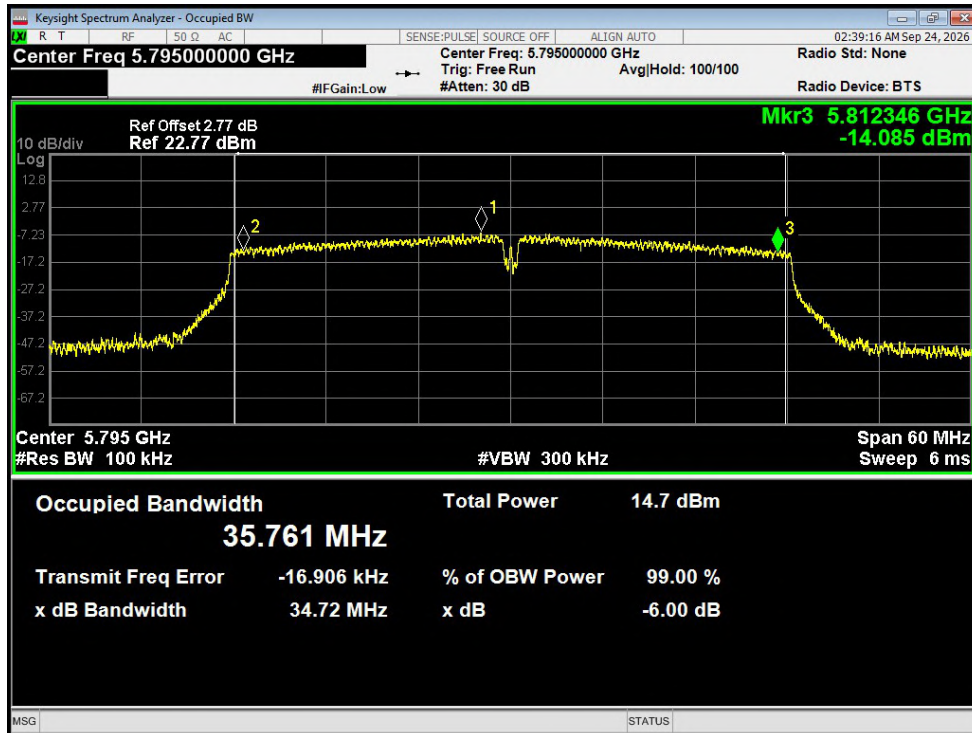
-6dB Bandwidth NVNT n20 5825MHz Ant1



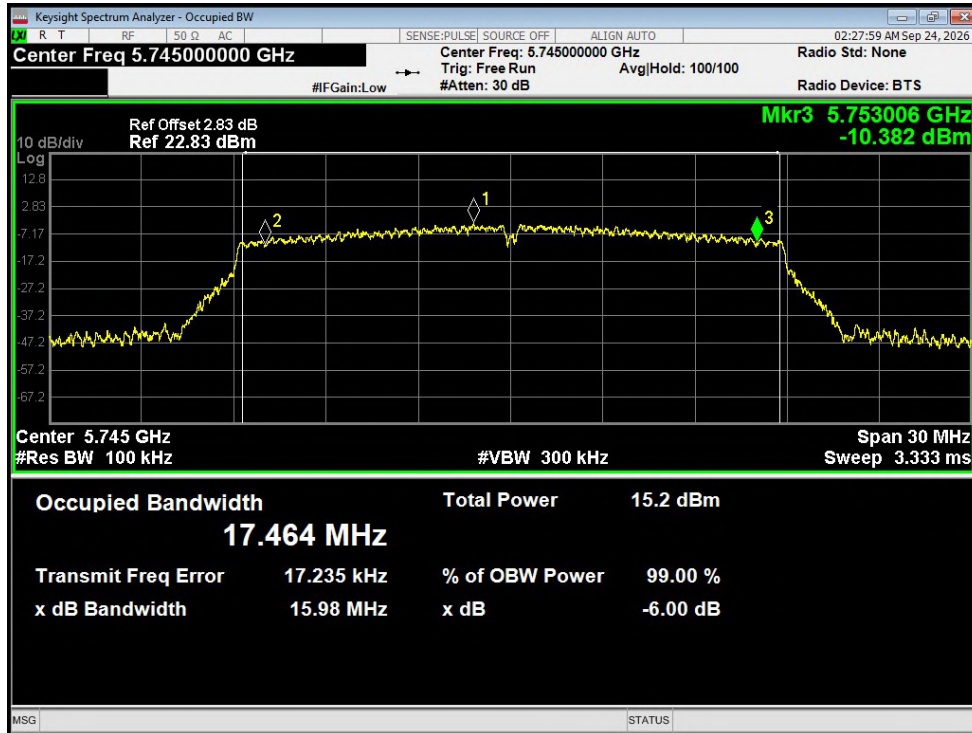
-6dB Bandwidth NVNT n40 5755MHz Ant1



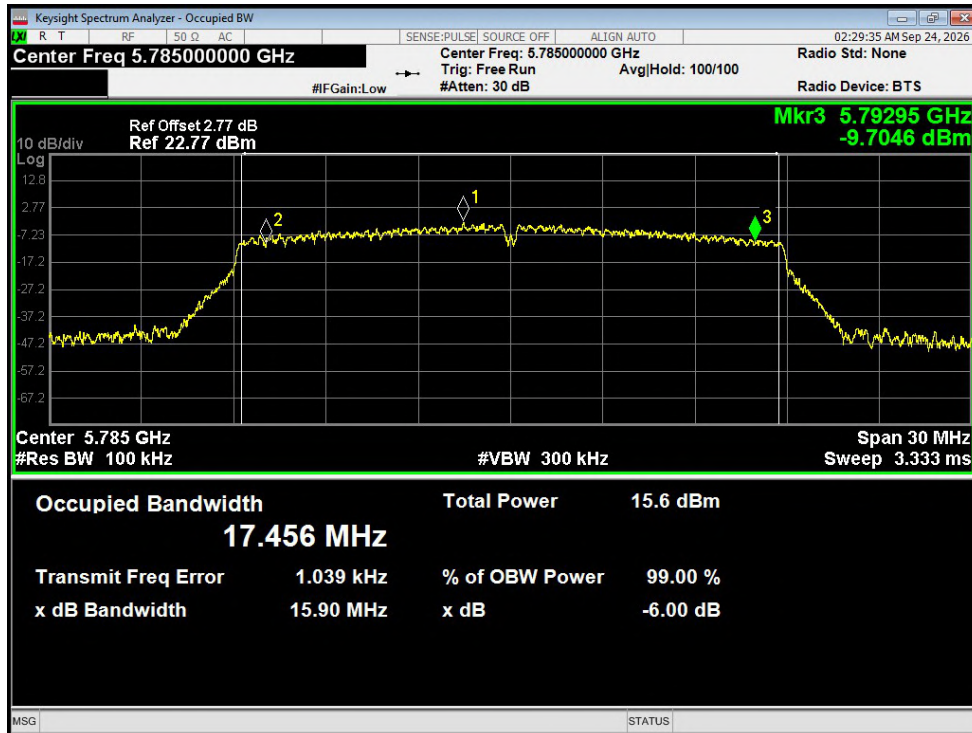
-6dB Bandwidth NVNT n40 5795MHz Ant1



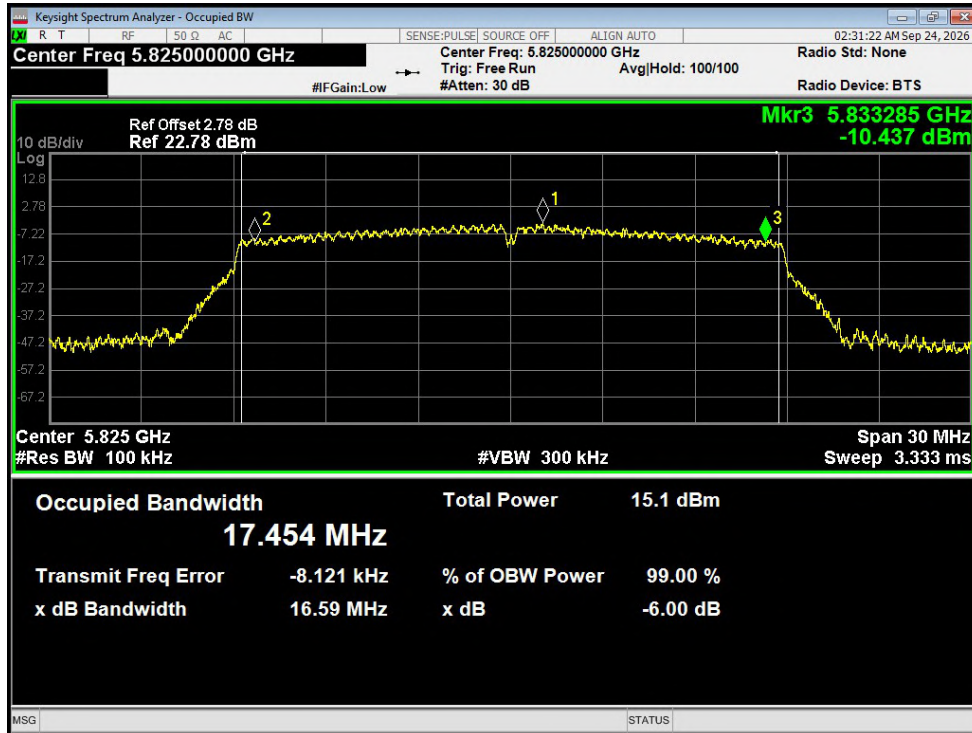
-6dB Bandwidth NVNT ac20 5745MHz Ant1



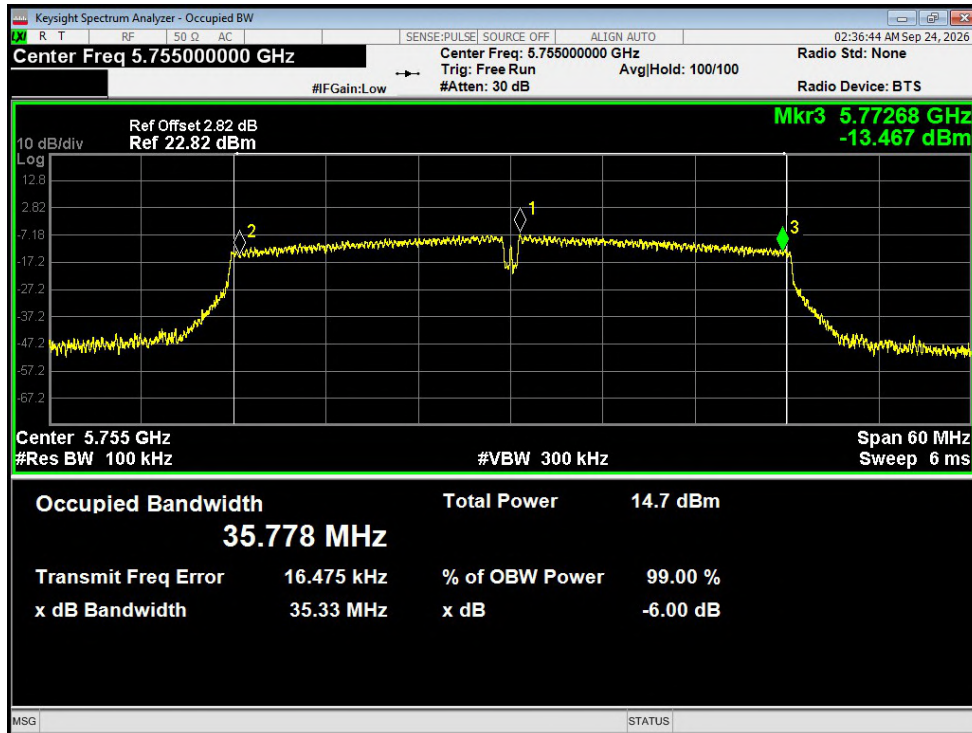
-6dB Bandwidth NVNT ac20 5785MHz Ant1



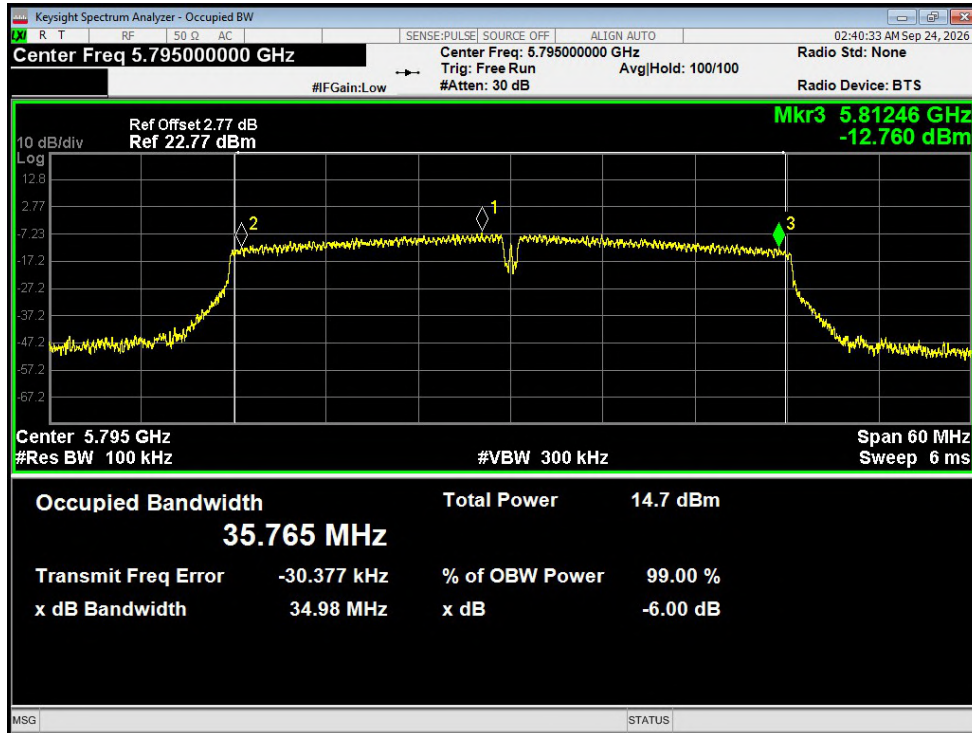
-6dB Bandwidth NVNT ac20 5825MHz Ant1



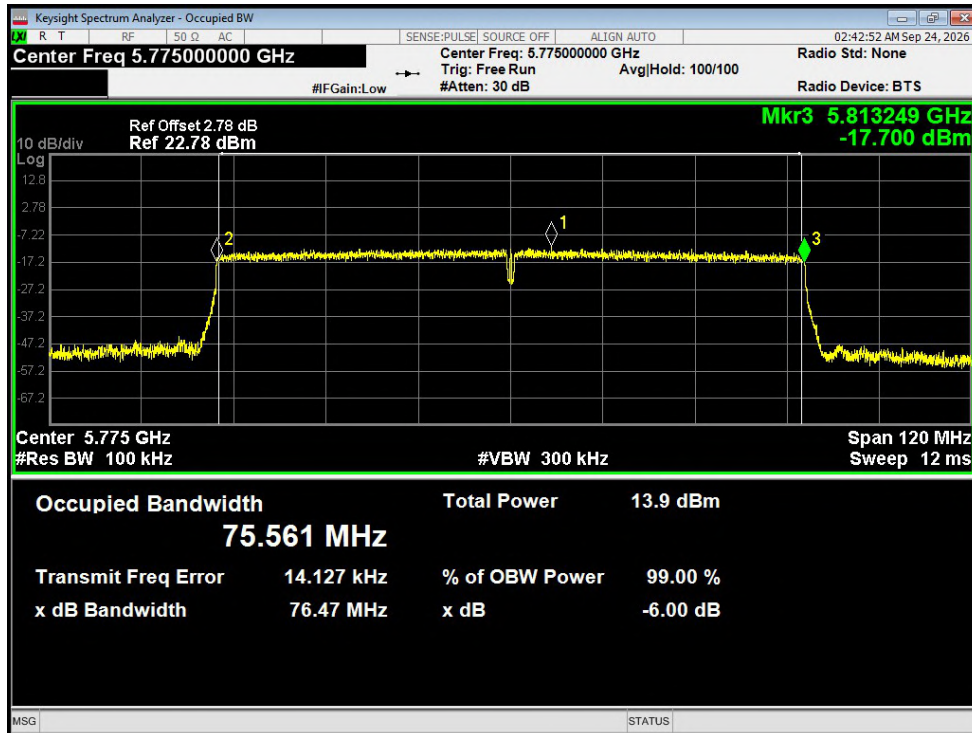
-6dB Bandwidth NVNT ac40 5755MHz Ant1



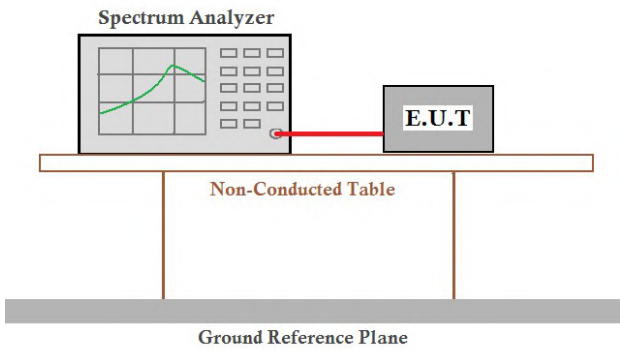
-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



4.6 Power Spectral Density

Test Requirement:	47CFR Part 15.407(a)(1)/ (a)(3)	
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01, ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024§12.6	
Limit:	Frequency band (MHz)	Limit
	5150-5250	≤17dBm/1MHz for master device
		≤11dBm/1MHz for client device
	5250-5350	≤11dBm/1MHz for client device
	5470-5725	≤11dBm/1MHz for client device
	5725-5850	≤30dBm/500kHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an Equipment Under Test (E.U.T.). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 24.2°C	Humid.: 53%RH
Test voltage:	DC 12V from adapter	
Test results:	Pass	

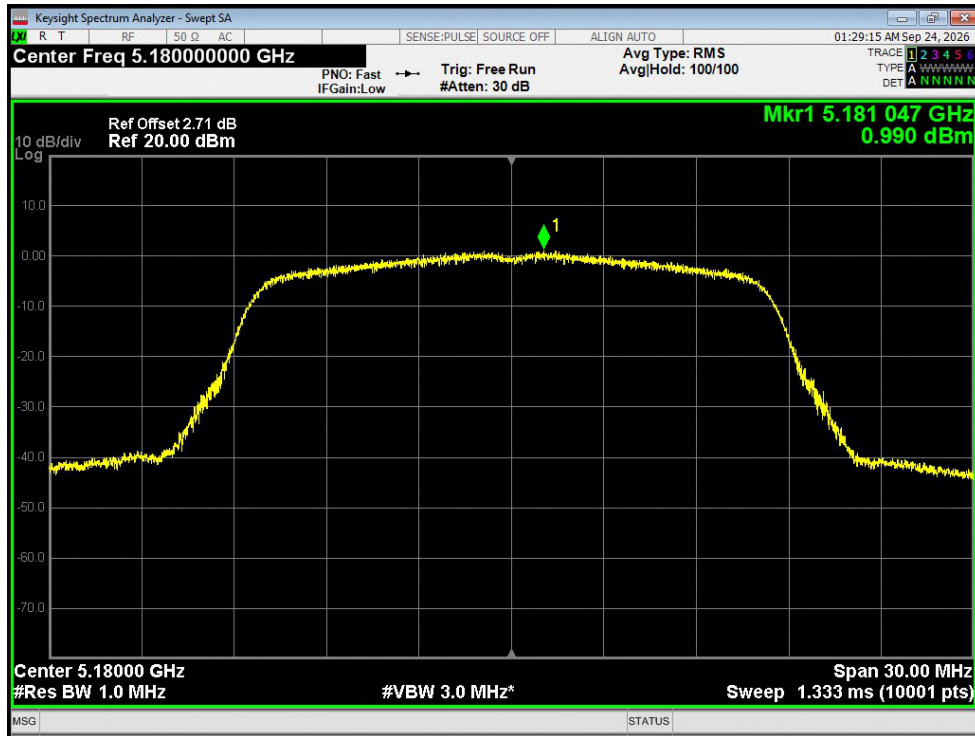


Measurement Result

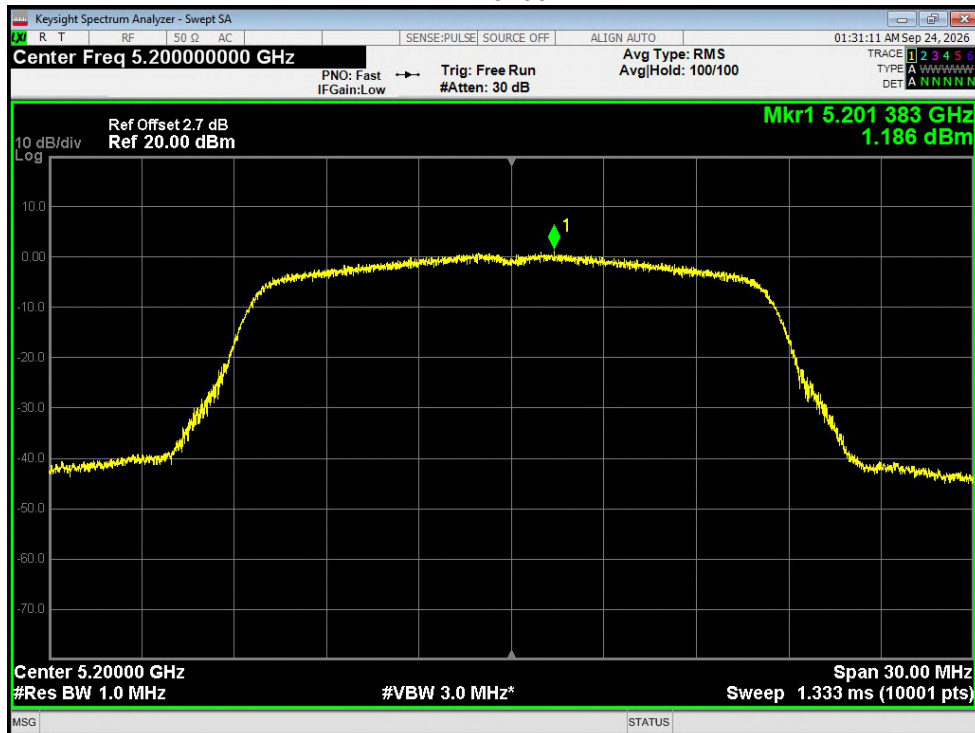
5180-5240MHz

Mode	Frequency	Measured Power Density (dBm/MHz)	Correction Factor (dB)	Total Measured Power Density (dBm/MHz)	Limit (dBm/MHz)
802.11 a	5180 MHz	0.990	0	0.990	11
	5200 MHz	1.186	0	1.186	11
	5240 MHz	0.777	0	0.777	11
802.11 n20	5180 MHz	0.455	0	0.455	11
	5200 MHz	0.408	0	0.408	11
	5240 MHz	0.323	0	0.323	11
802.11 n40	5190 MHz	-3.382	0	-3.382	11
	5230 MHz	-3.484	0	-3.484	11
802.11 ac20	5180 MHz	0.482	0	0.482	11
	5200 MHz	0.633	0	0.633	11
	5240 MHz	0.314	0	0.314	11
802.11 ac40	5190 MHz	-3.144	0	-3.144	11
	5230 MHz	-3.510	0	-3.510	11
802.11 ac80	5210 MHz	-8.965	0	-8.965	11

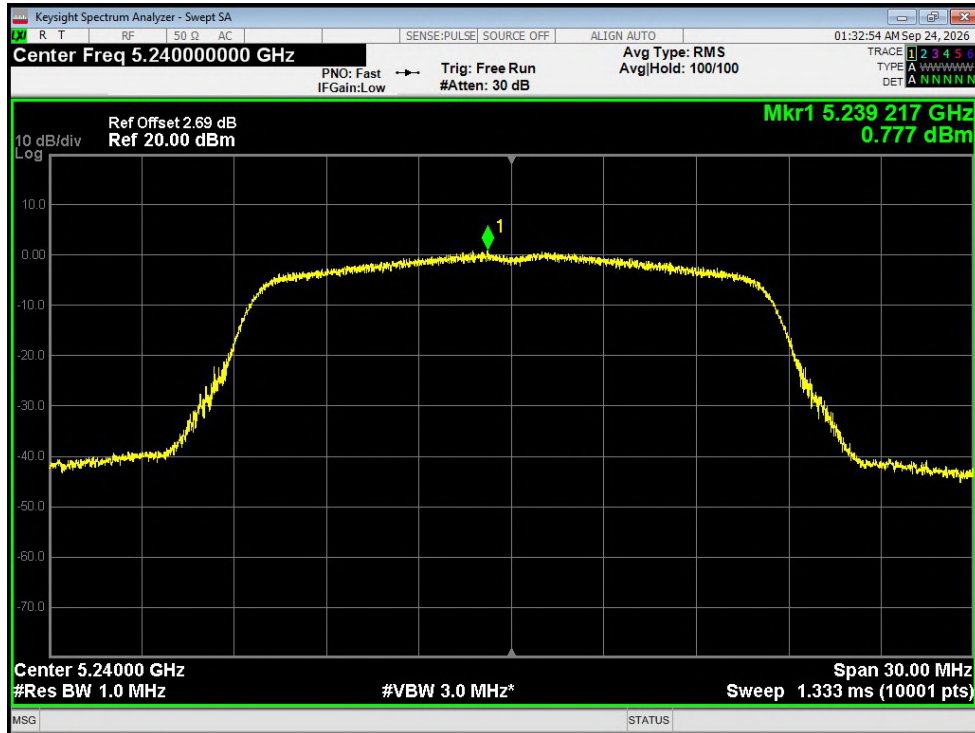
PSD NVNT a 5180MHz Ant1



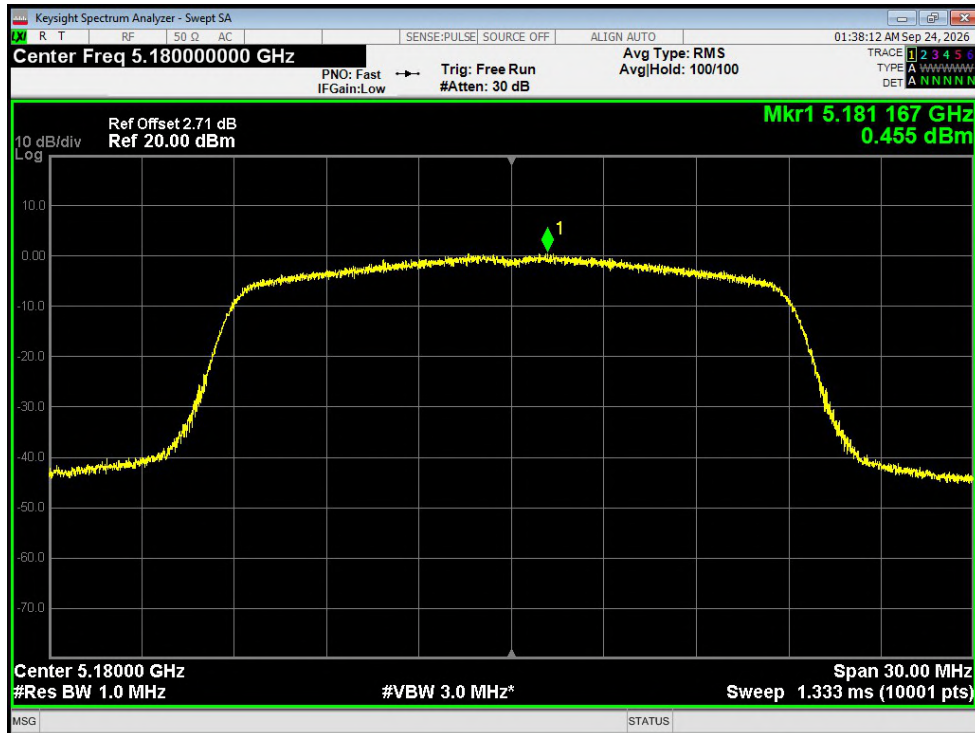
PSD NVNT a 5200MHz Ant1



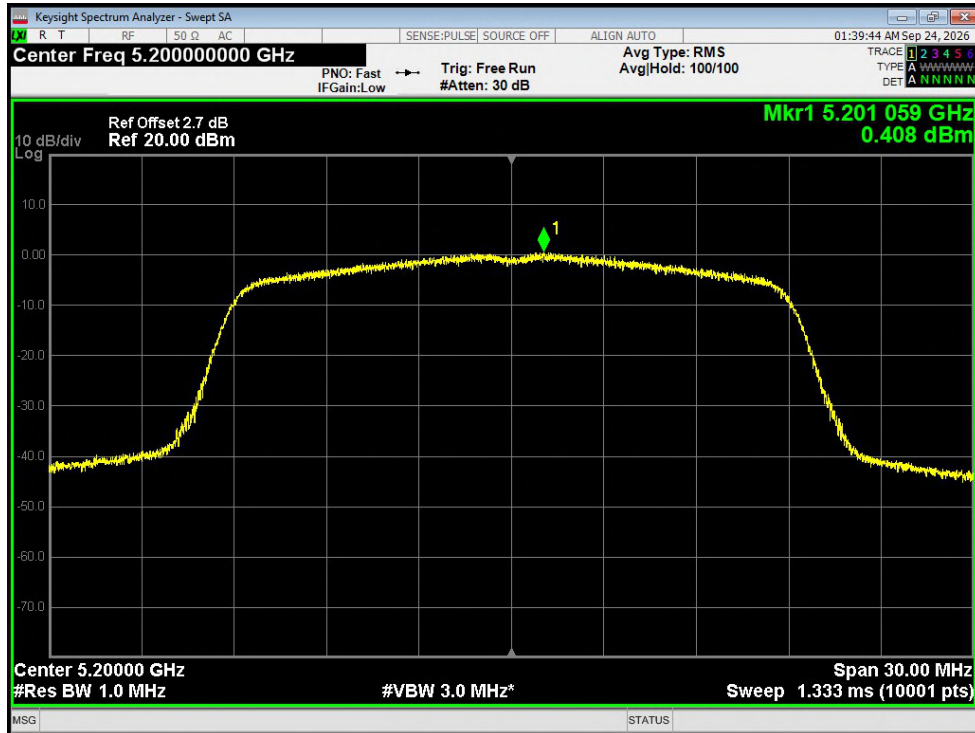
PSD NVNT a 5240MHz Ant1



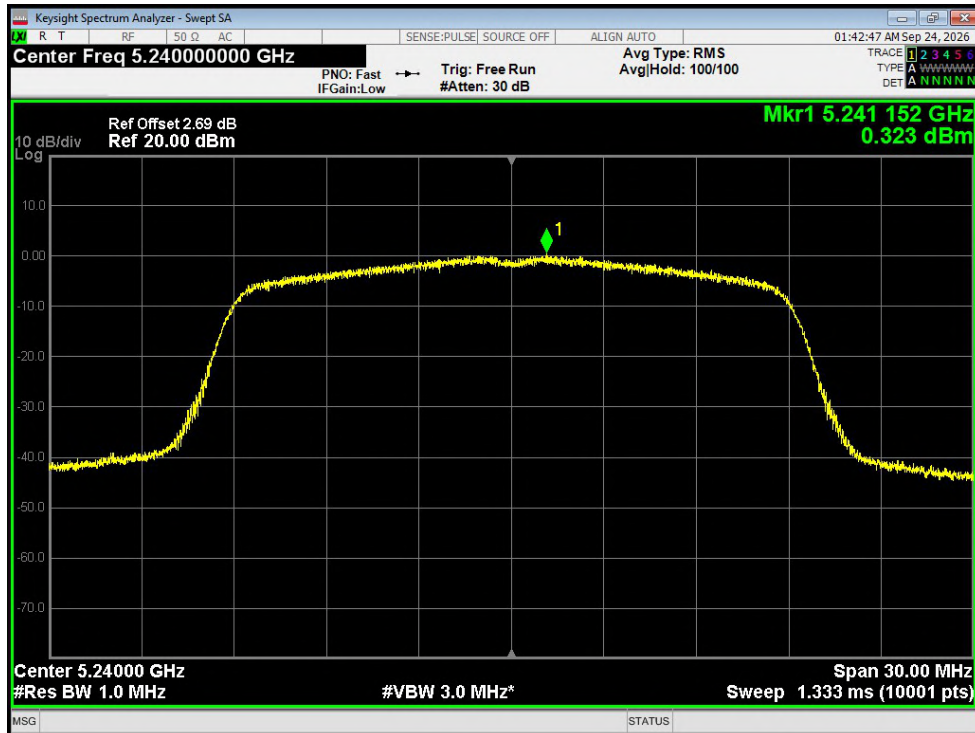
PSD NVNT n20 5180MHz Ant1



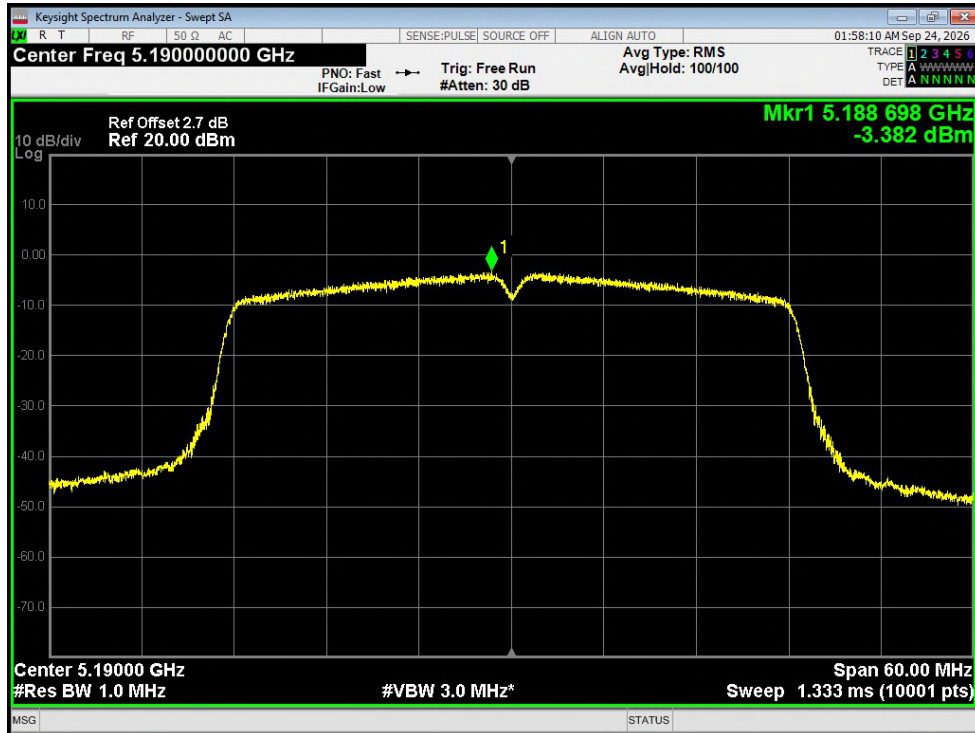
PSD NVNT n20 5200MHz Ant1



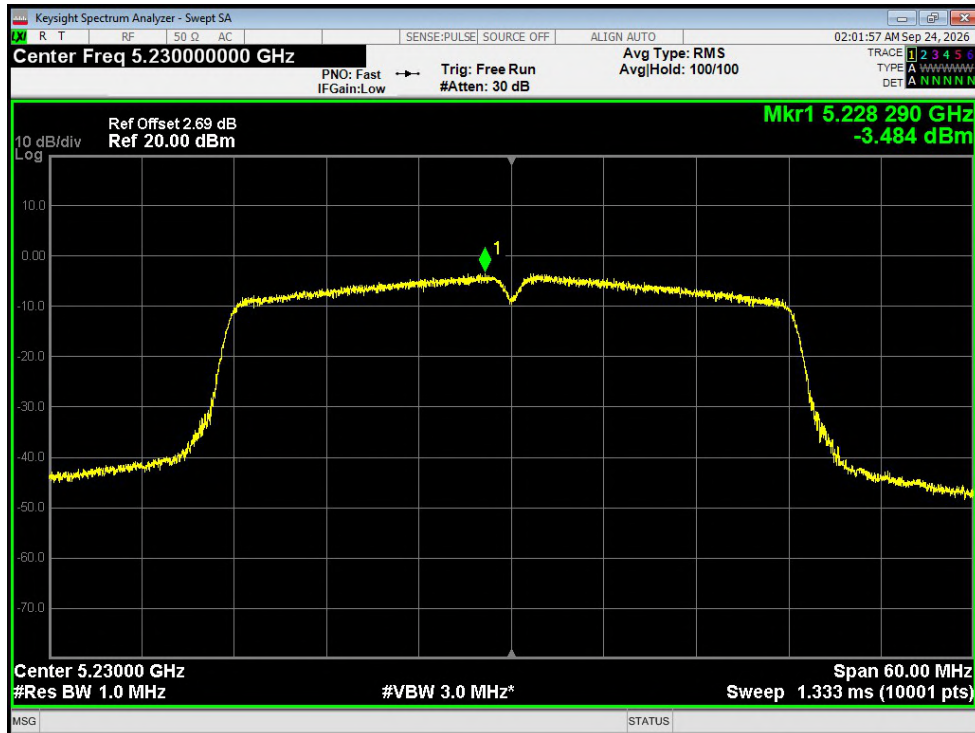
PSD NVNT n20 5240MHz Ant1



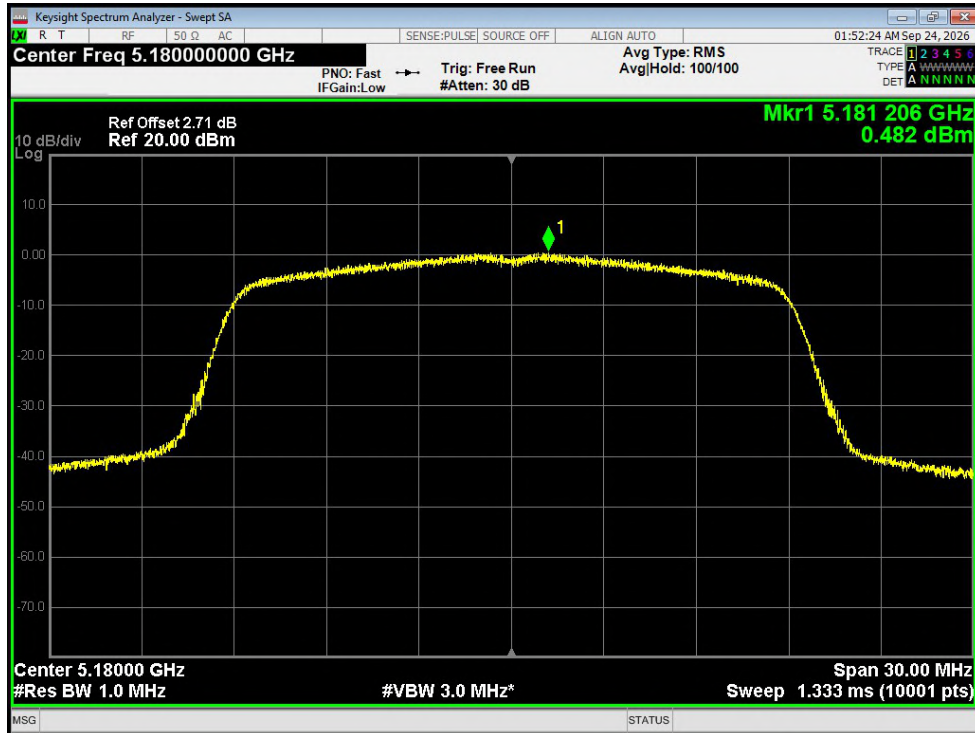
PSD NVNT n40 5190MHz Ant1



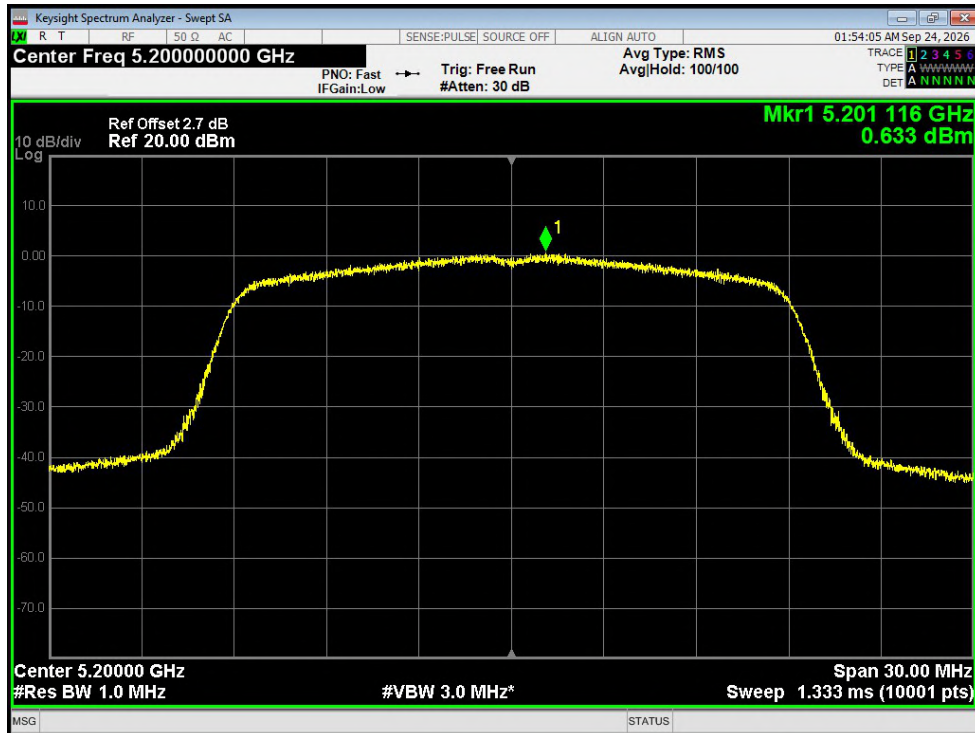
PSD NVNT n40 5230MHz Ant1



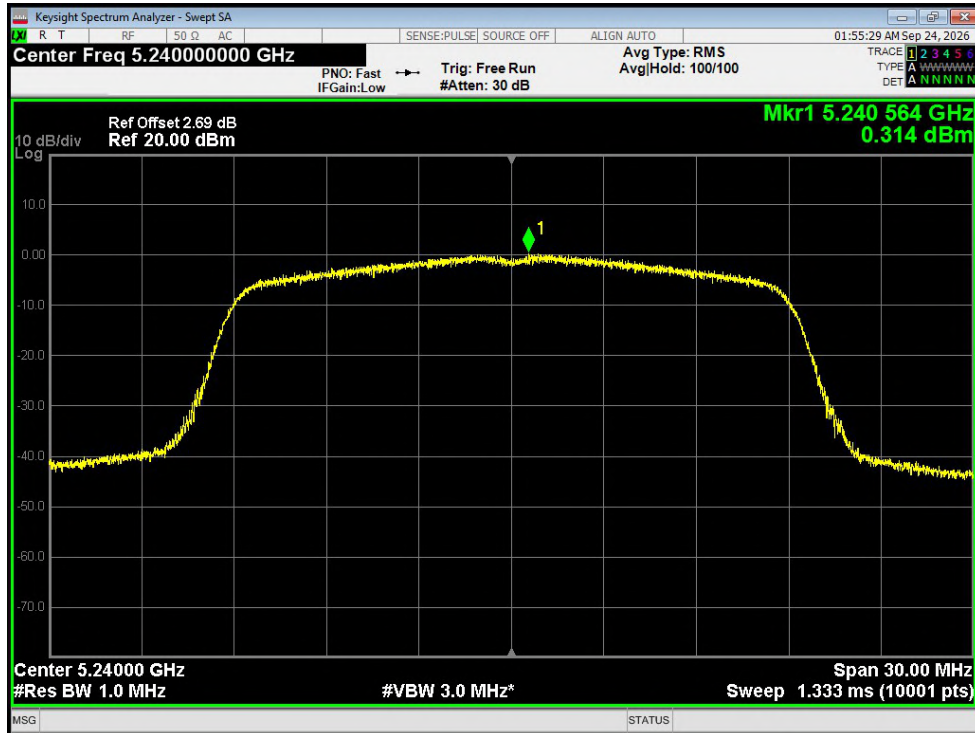
PSD NVNT ac20 5180MHz Ant1



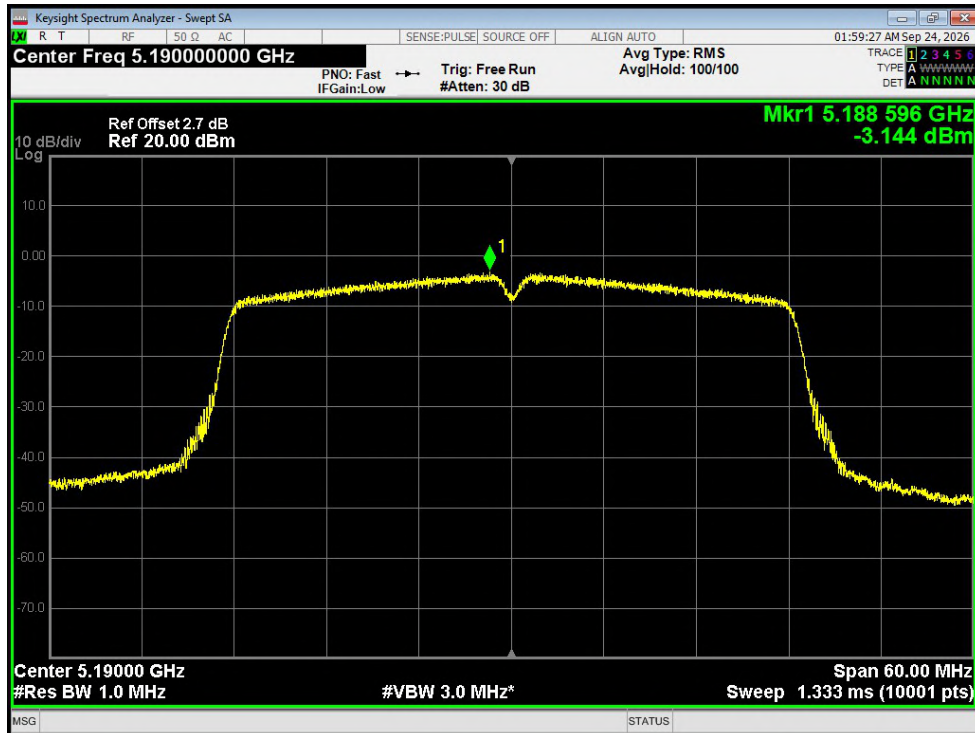
PSD NVNT ac20 5200MHz Ant1



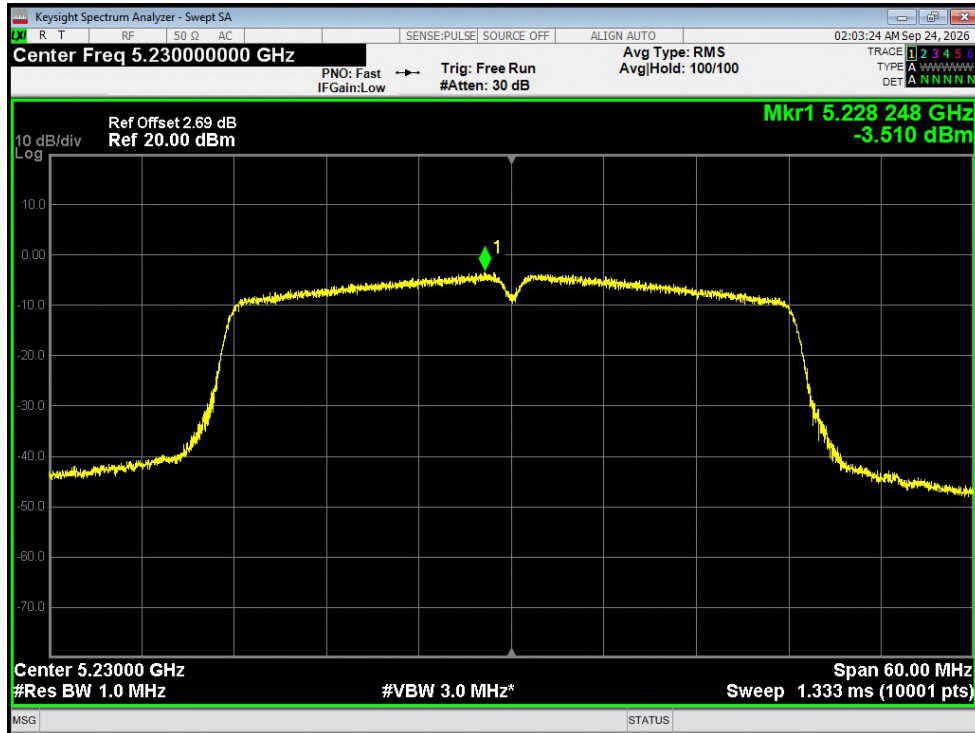
PSD NVNT ac20 5240MHz Ant1



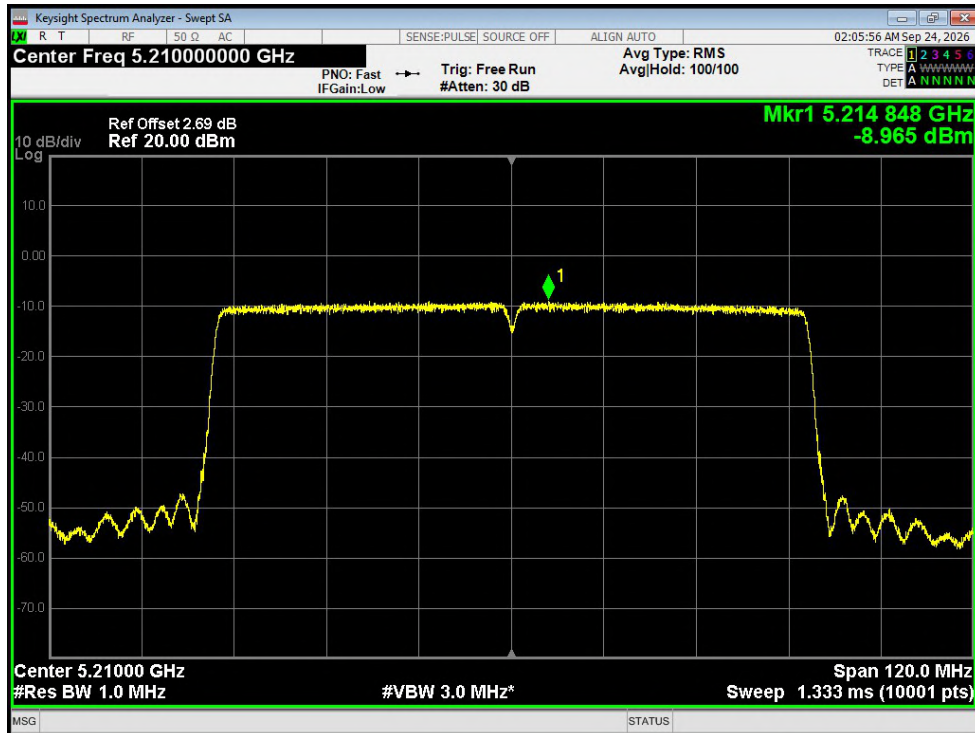
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1



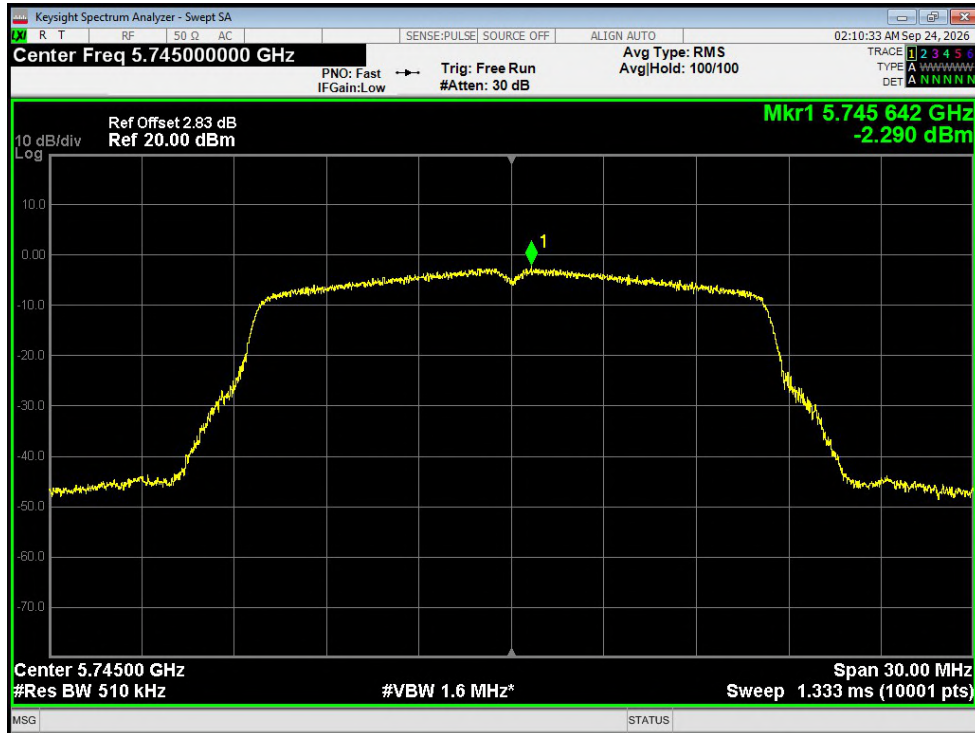
Mode	Frequency MHz	Measured Power Density (dBm/510KHz)	Measured Power Density (dBm/500KHz)	Correction Factor (dB)	Total Measured Power Density (dBm/500KHz)	Limit (dBm/500kHz)
802.11a	5745	-2.290	-2.376	0	-2.376	30
	5785	-2.229	-2.315	0	-2.315	30
	5825	-3.359	-3.445	0	-3.445	30
802.11n20	5745	-3.052	-3.138	0	-3.138	30
	5785	-2.507	-2.593	0	-2.593	30
	5825	-2.814	-2.900	0	-2.900	30
802.11n40	5755	-6.726	-6.812	0	-6.812	30
	5795	-6.668	-6.754	0	-6.754	30
802.11ac20	5745	-2.744	-2.830	0	-2.830	30
	5785	-2.235	-2.321	0	-2.321	30
	5825	-2.984	-3.070	0	-3.070	30
802.11ac40	5755	-6.799	-6.885	0	-6.885	30
	5795	-6.737	-6.823	0	-6.823	30
802.11ac80	5775	-12.335	-12.421	0	-12.421	30

Note: 1. If the measurement is X dBm/510kHz, thus $X \text{ dBm/510kHz} = (10^{X/10}) * (500 / 510) \text{ dBm/500kHz}$

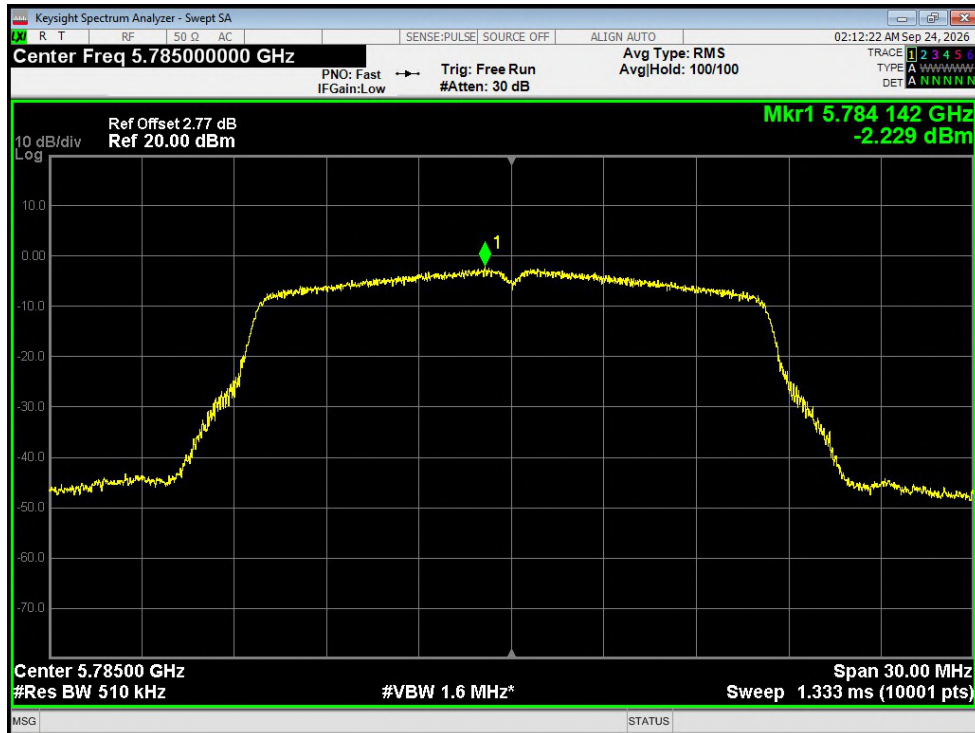
2. Correction Factor (dB)= duty cycle factor

3. Total PSD= Measured PSD (dBm/500kHz) + Correction factor duty cycle (dB)

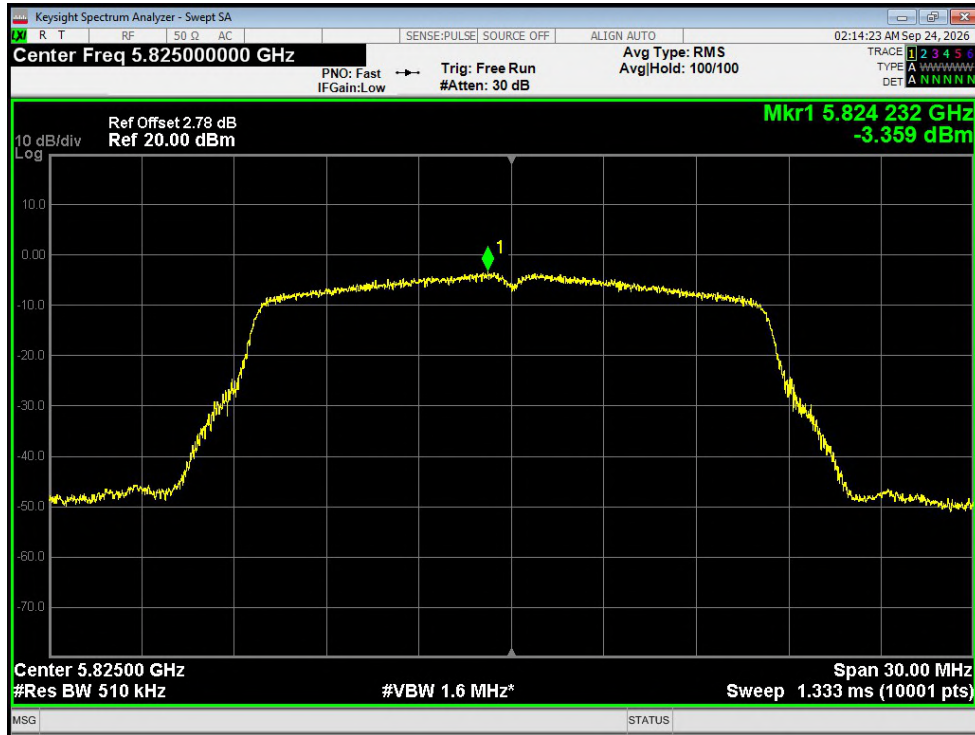
PSD NVNT a 5745MHz Ant1



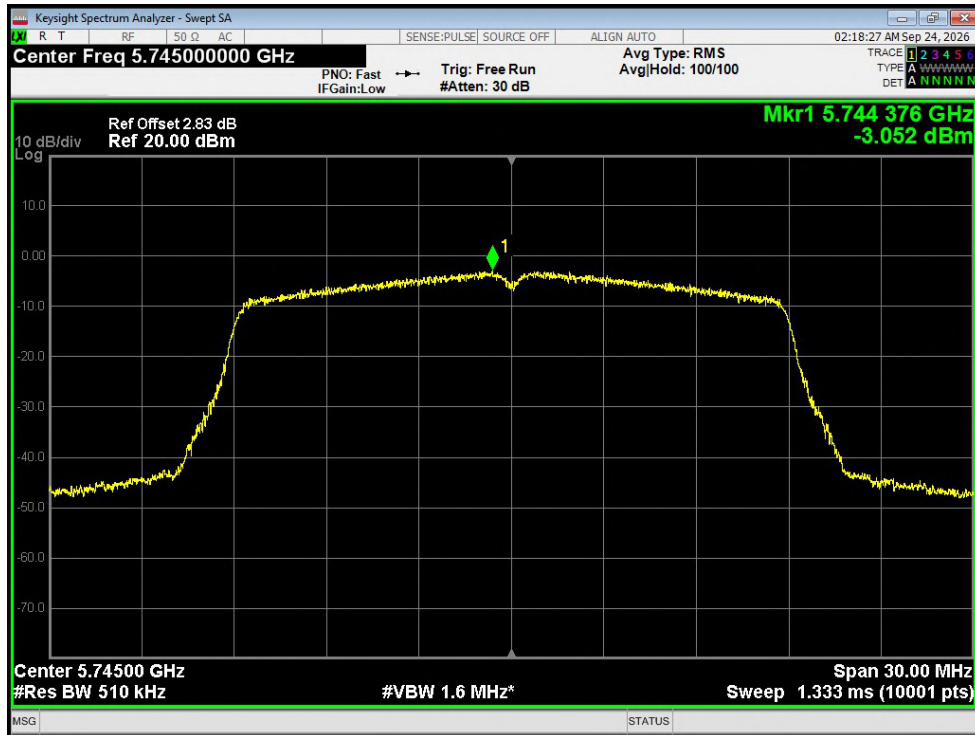
PSD NVNT a 5785MHz Ant1



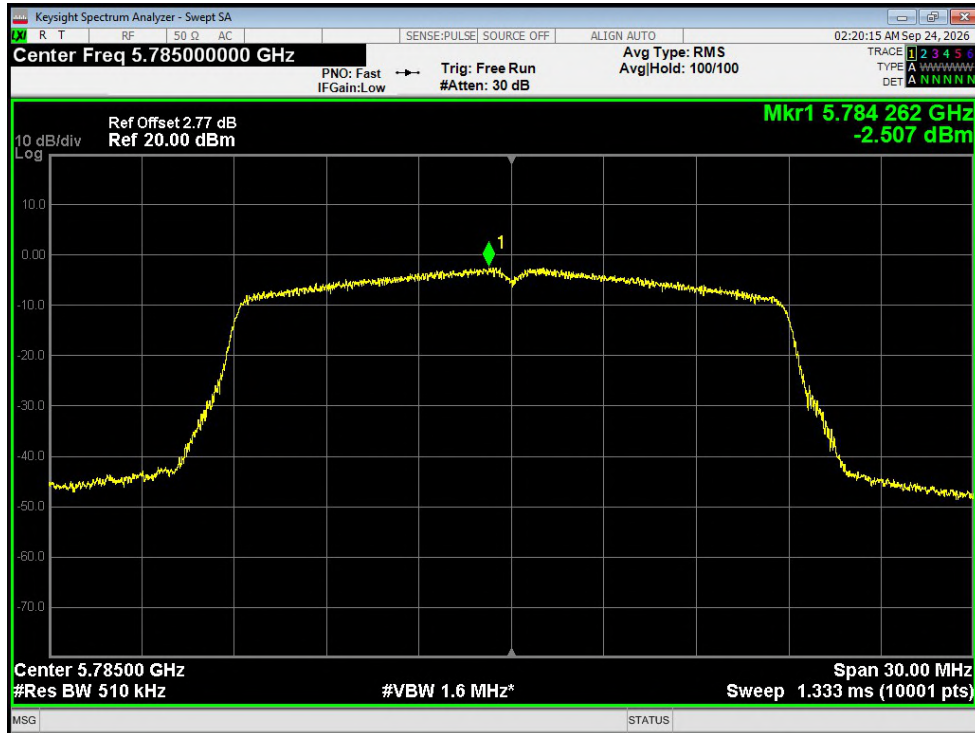
PSD NVNT a 5825MHz Ant1



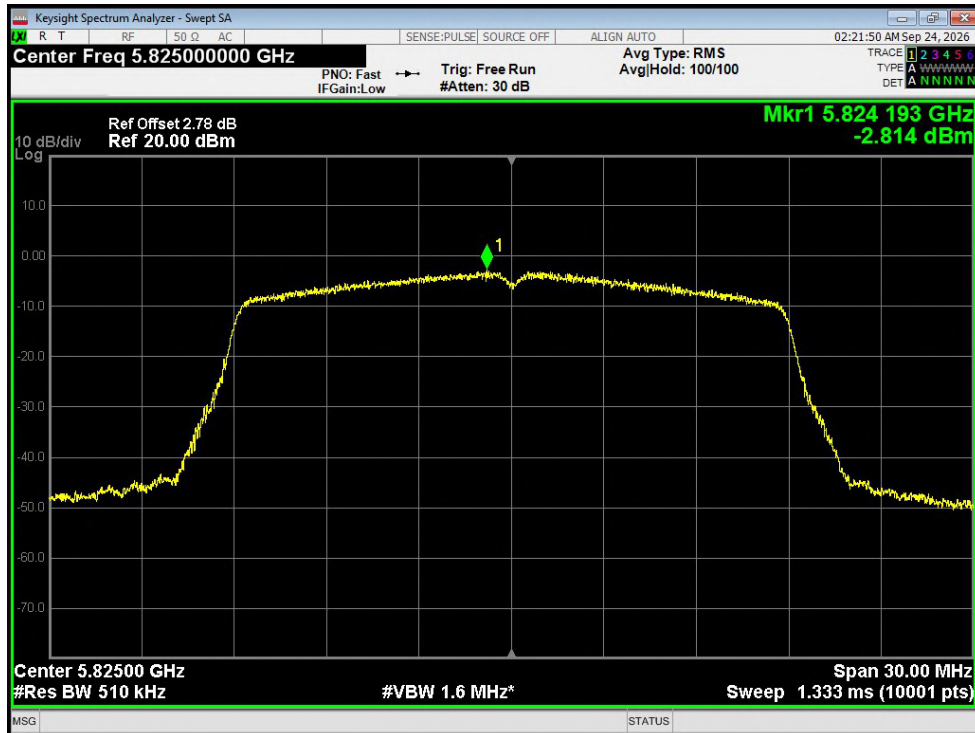
PSD NVNT n20 5745MHz Ant1



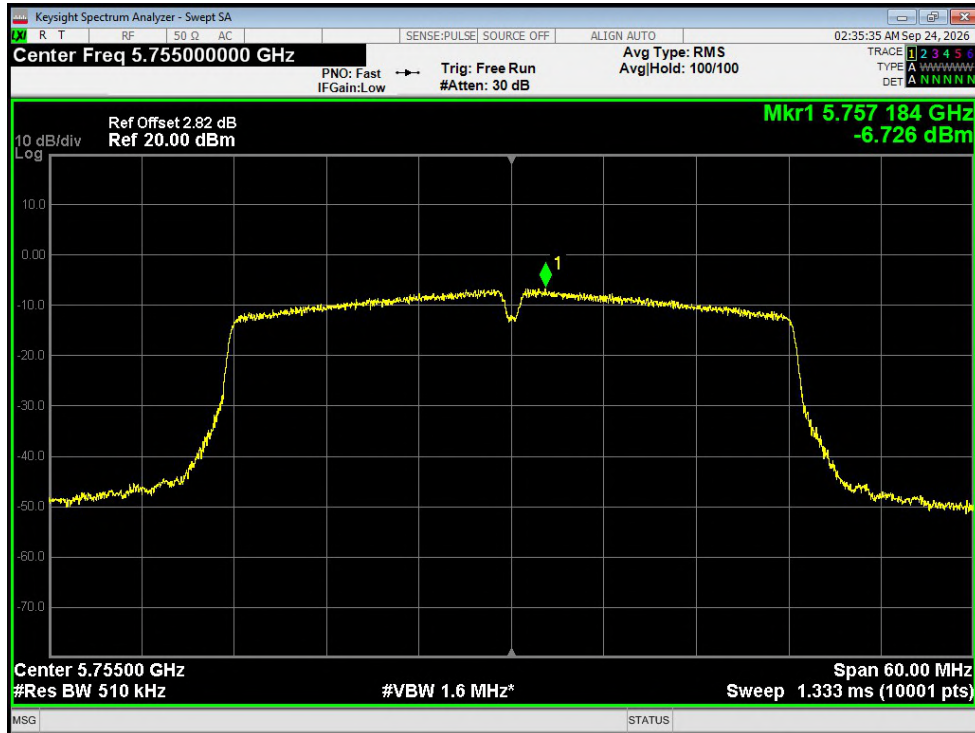
PSD NVNT n20 5785MHz Ant1



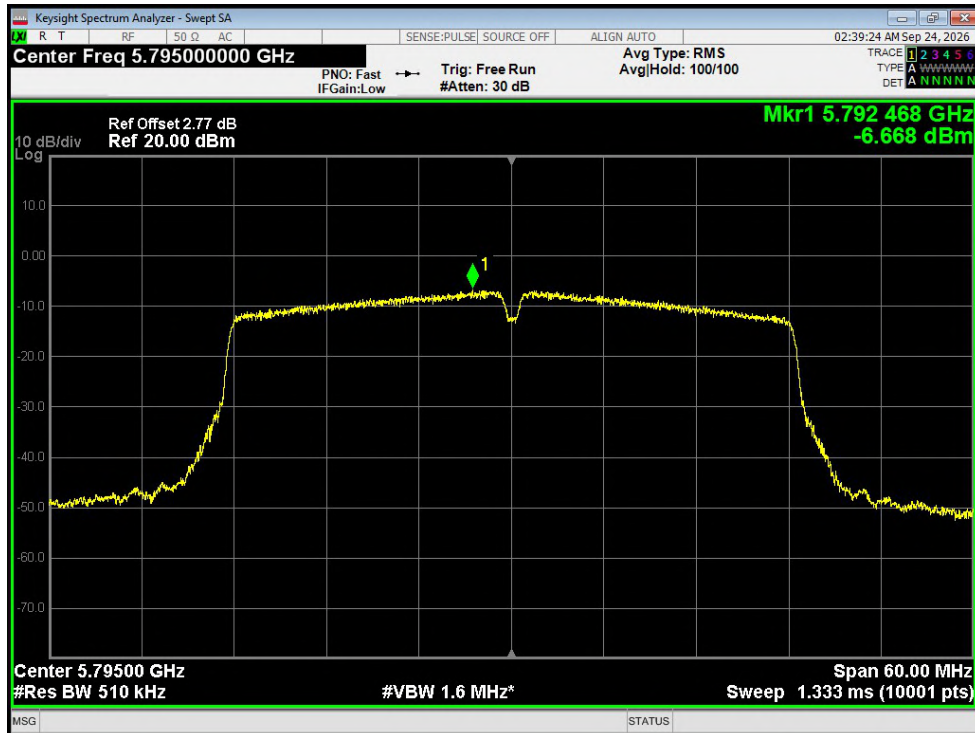
PSD NVNT n20 5825MHz Ant1



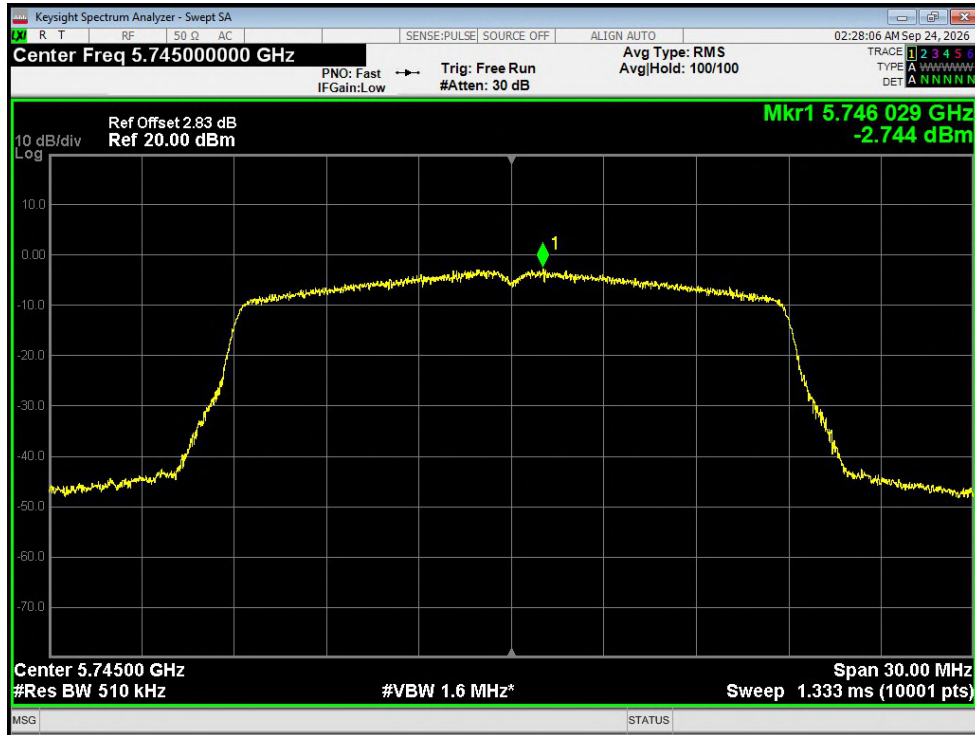
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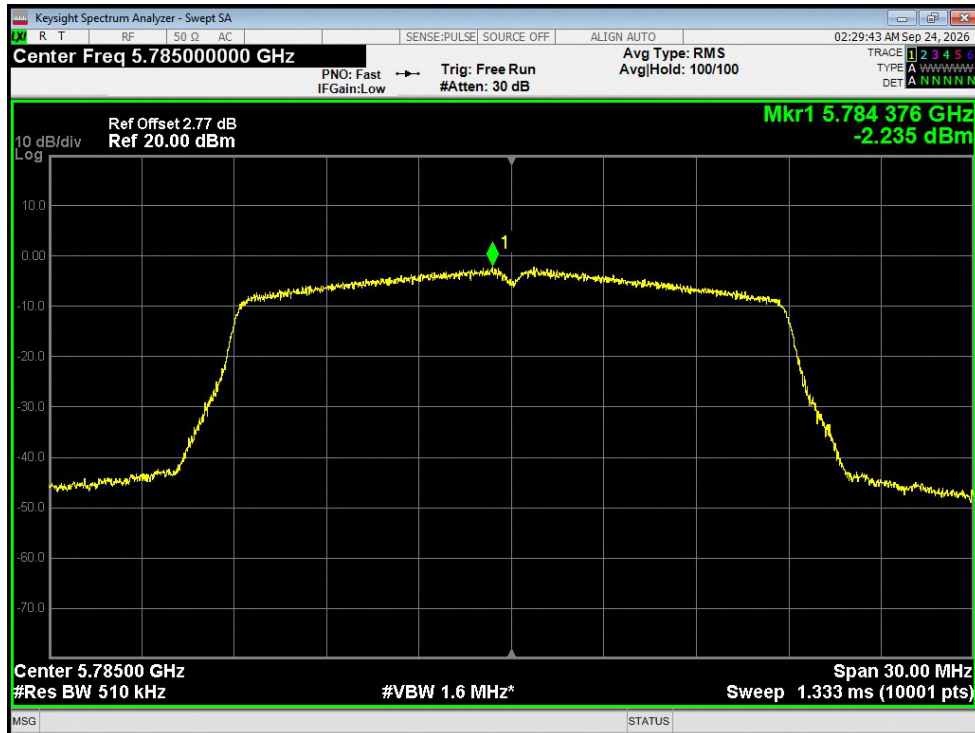
PSD NVNT n40 5795MHz Ant1



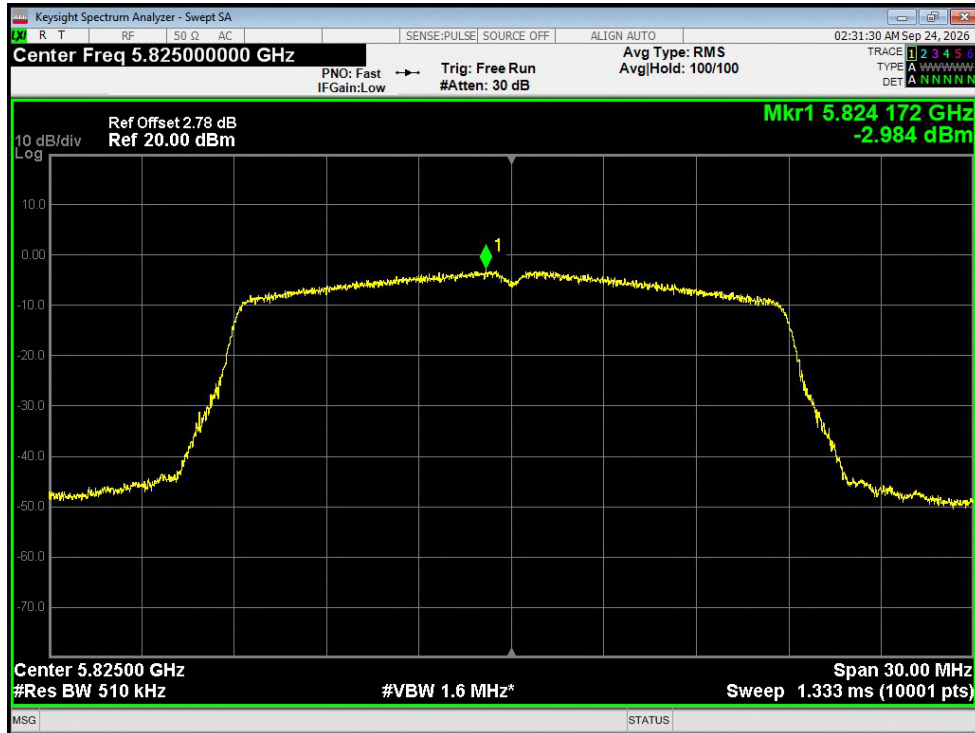
PSD NVNT ac20 5745MHz Ant1



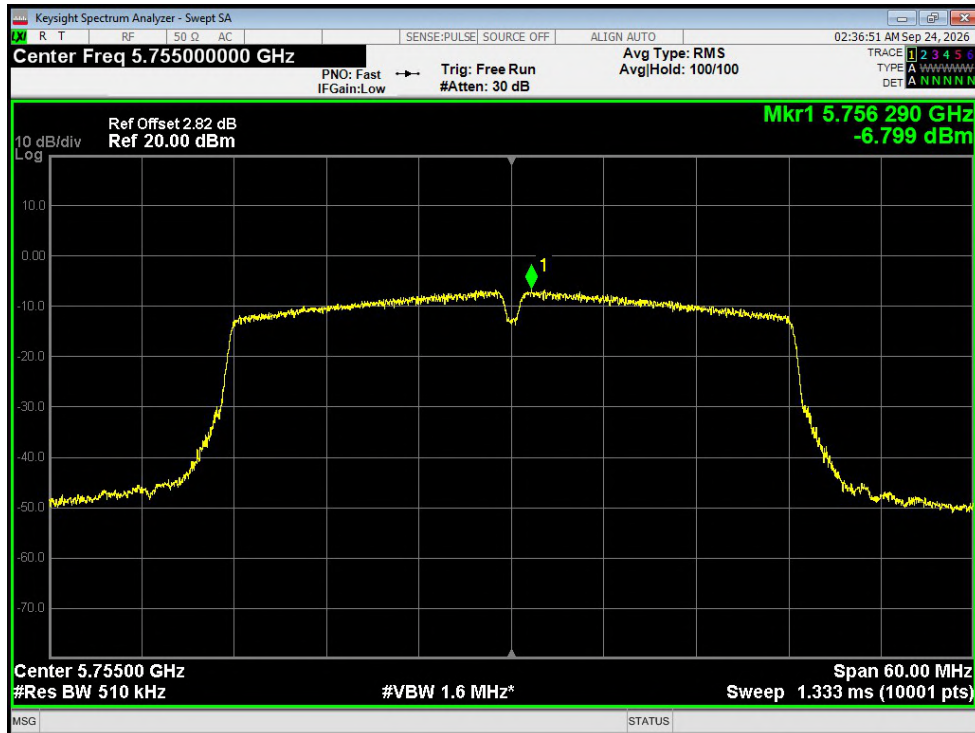
PSD NVNT ac20 5785MHz Ant1



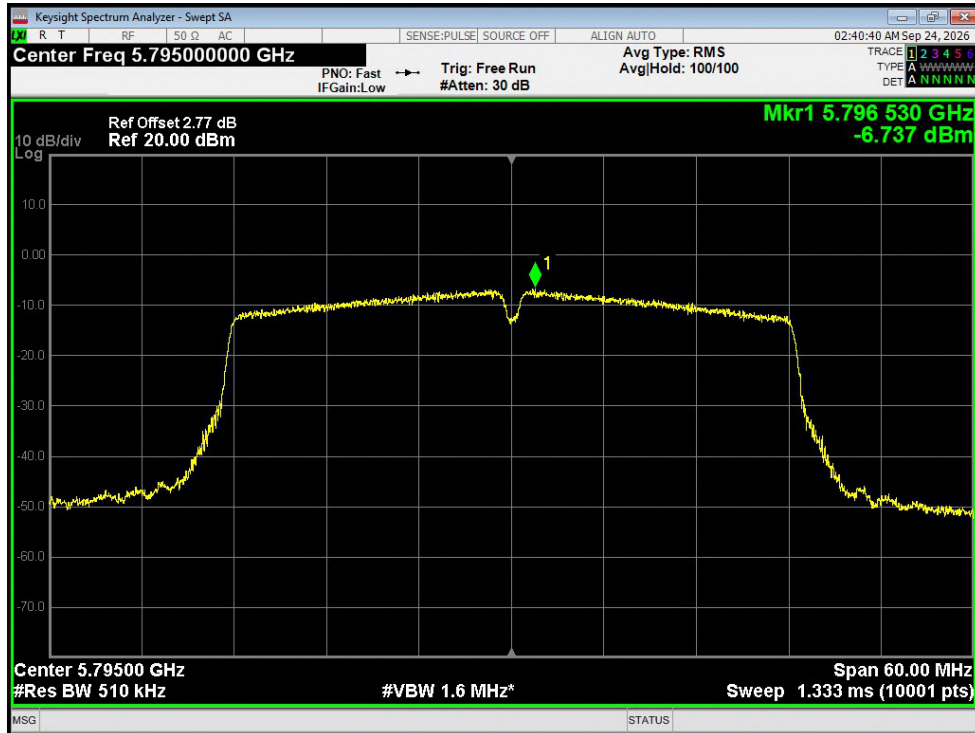
PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

