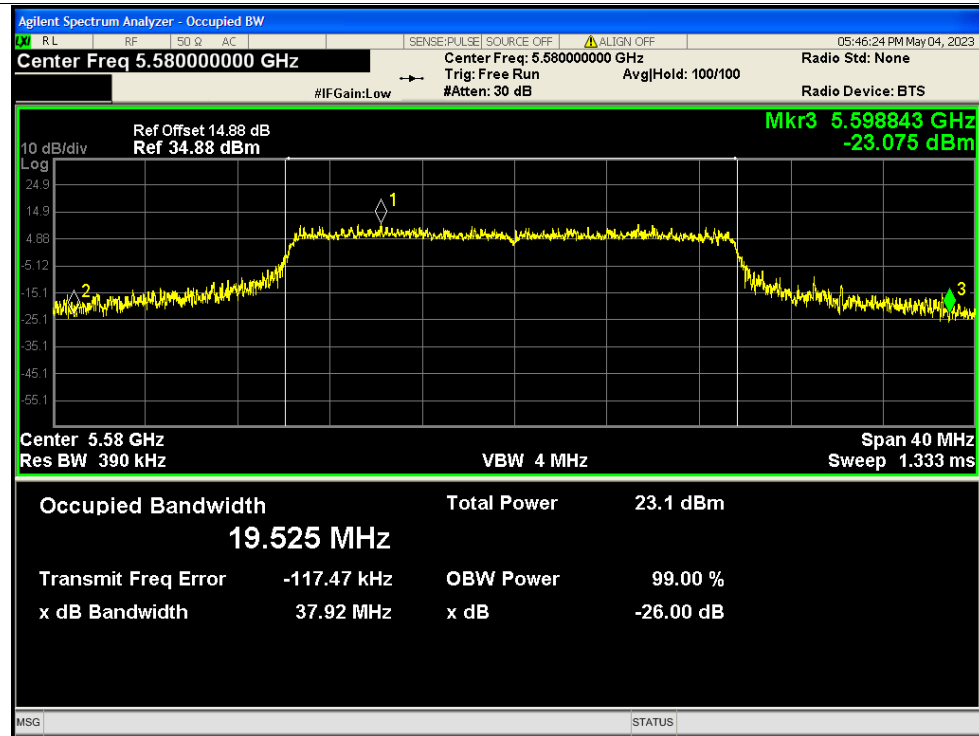
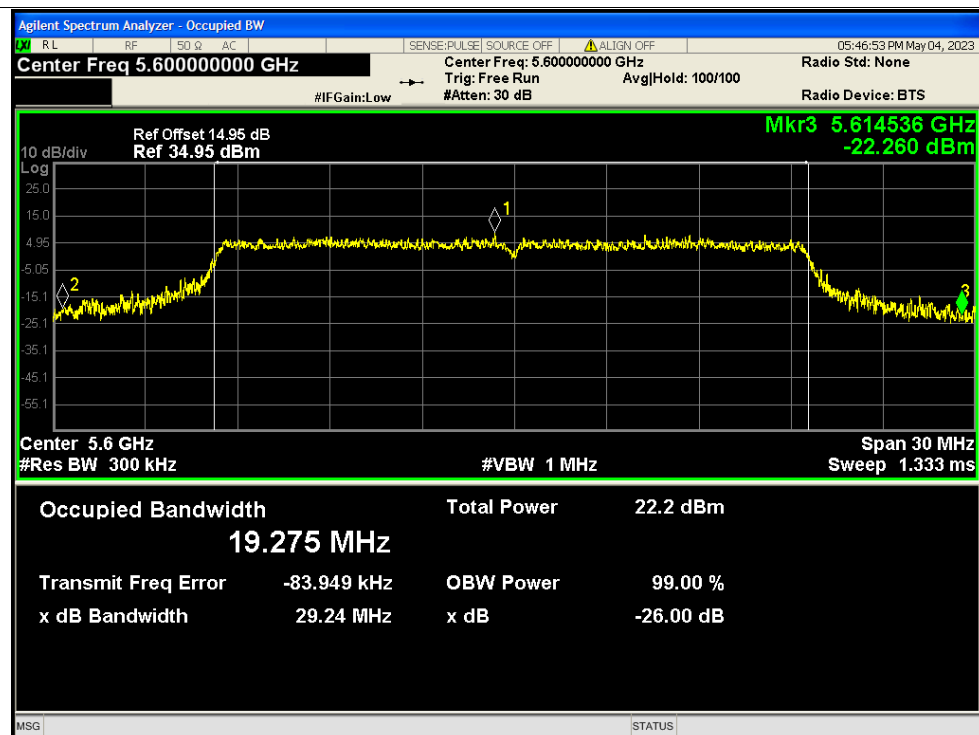
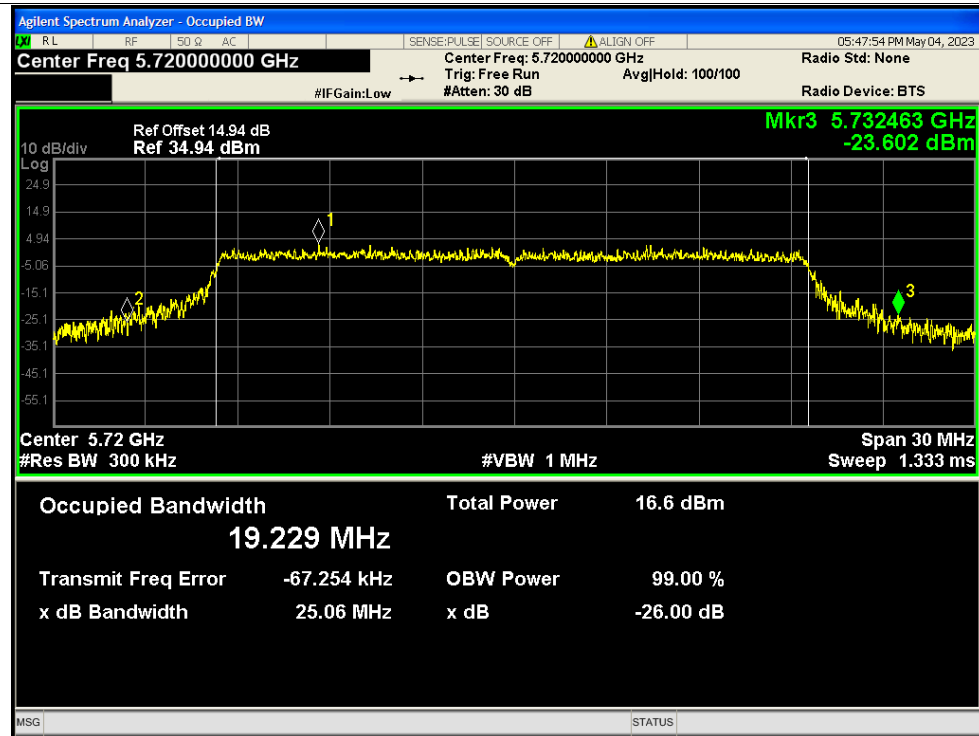


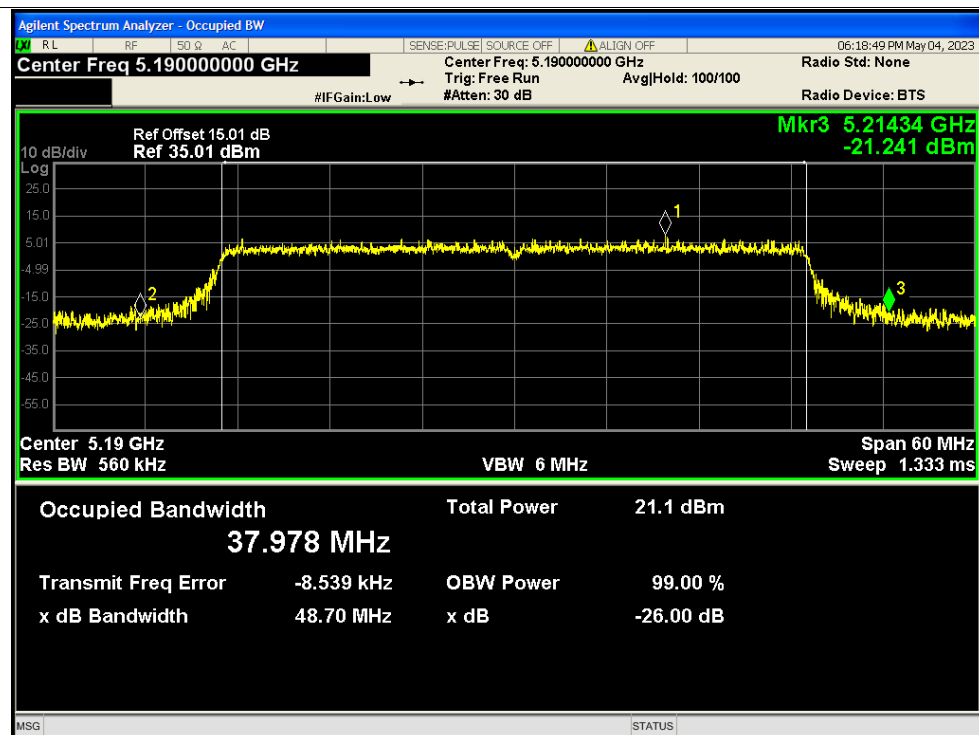
**-26dB Bandwidth NVNT ax20 5580MHz Ant1****-26dB Bandwidth NVNT ax20 5600MHz Ant1**

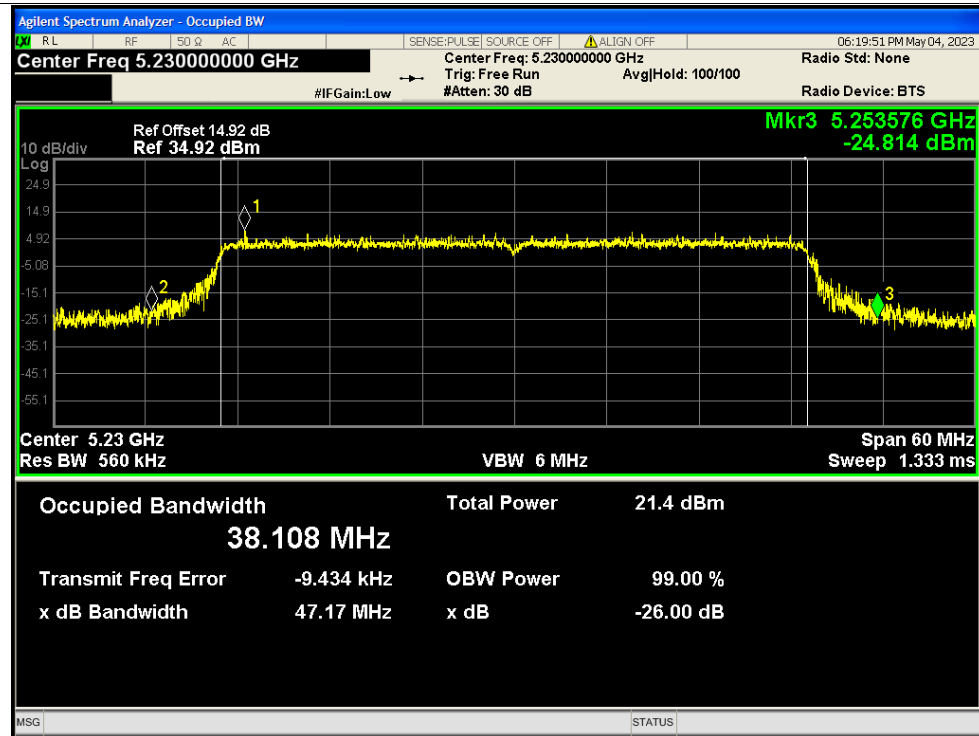
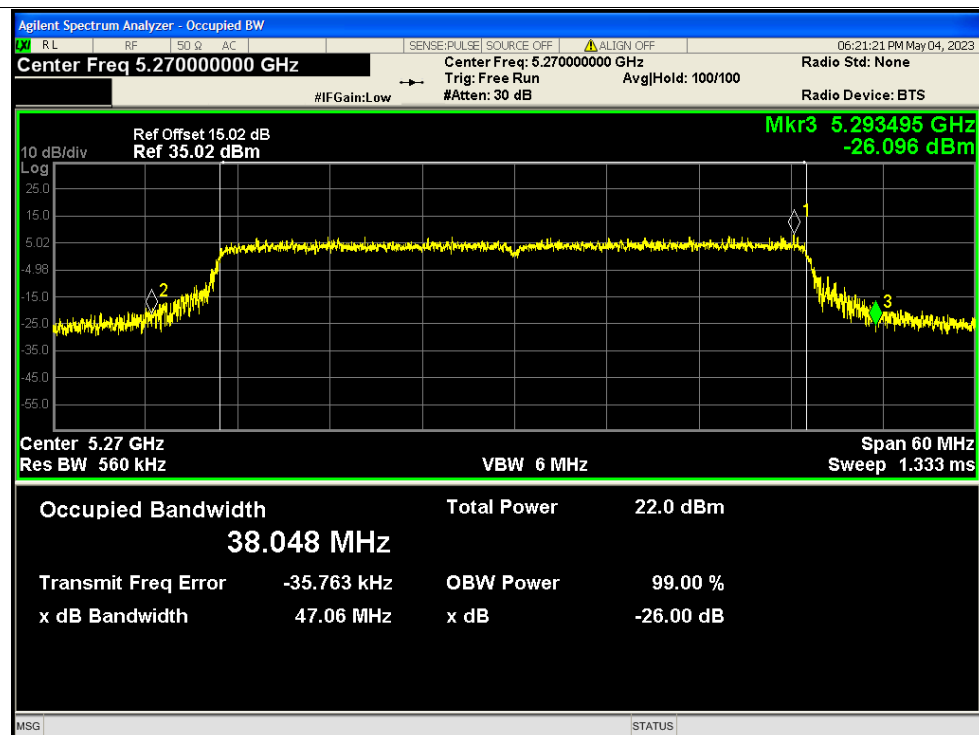


-26dB Bandwidth NVNT ax20 5720MHz Ant1



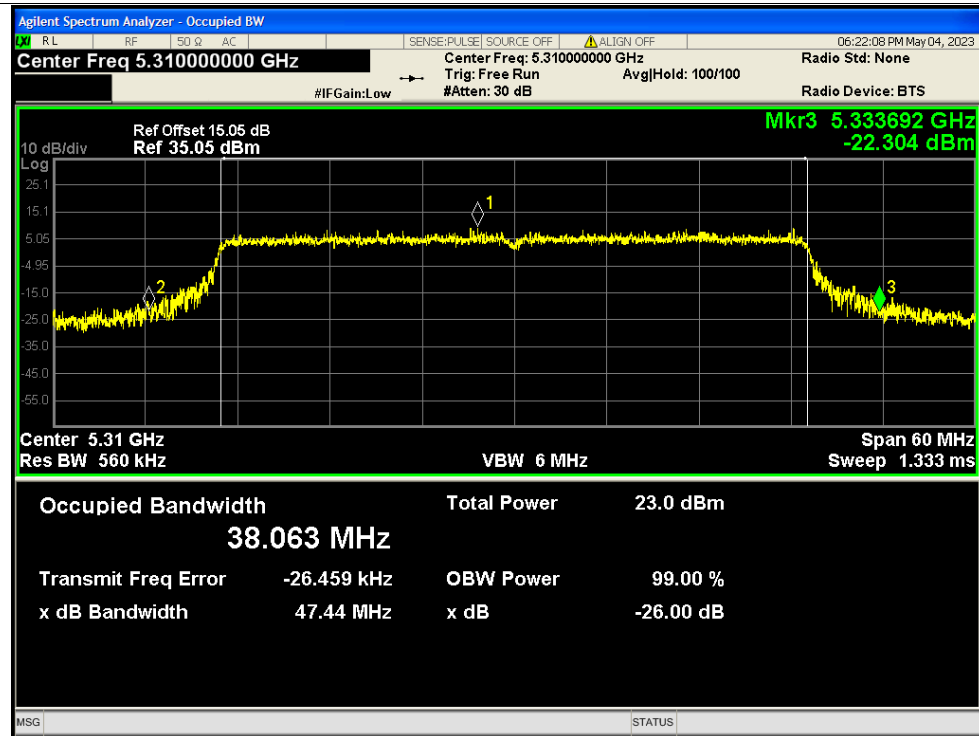
-26dB Bandwidth NVNT ax40 5190MHz Ant1



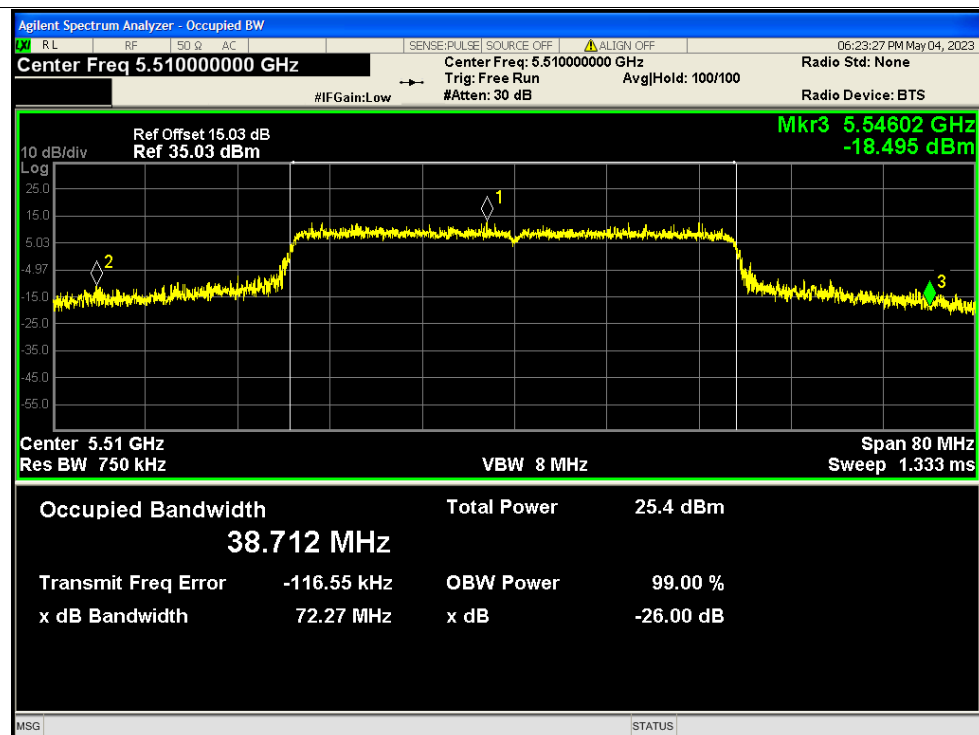
**-26dB Bandwidth NVNT ax40 5230MHz Ant1****-26dB Bandwidth NVNT ax40 5270MHz Ant1**



-26dB Bandwidth NVNT ax40 5310MHz Ant1

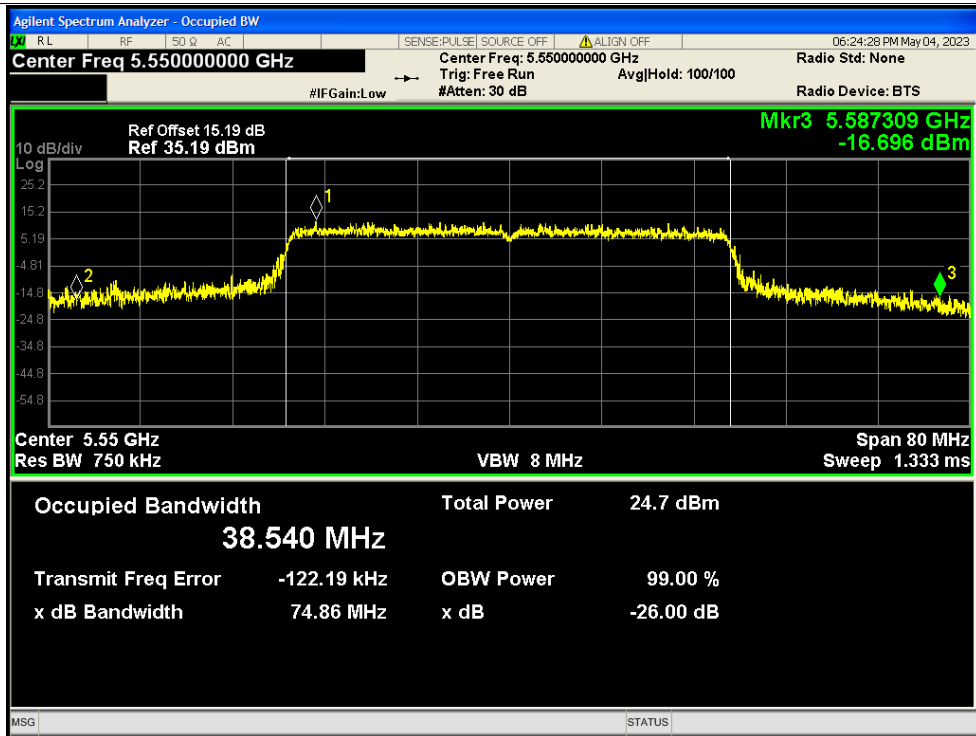


-26dB Bandwidth NVNT ax40 5510MHz Ant1

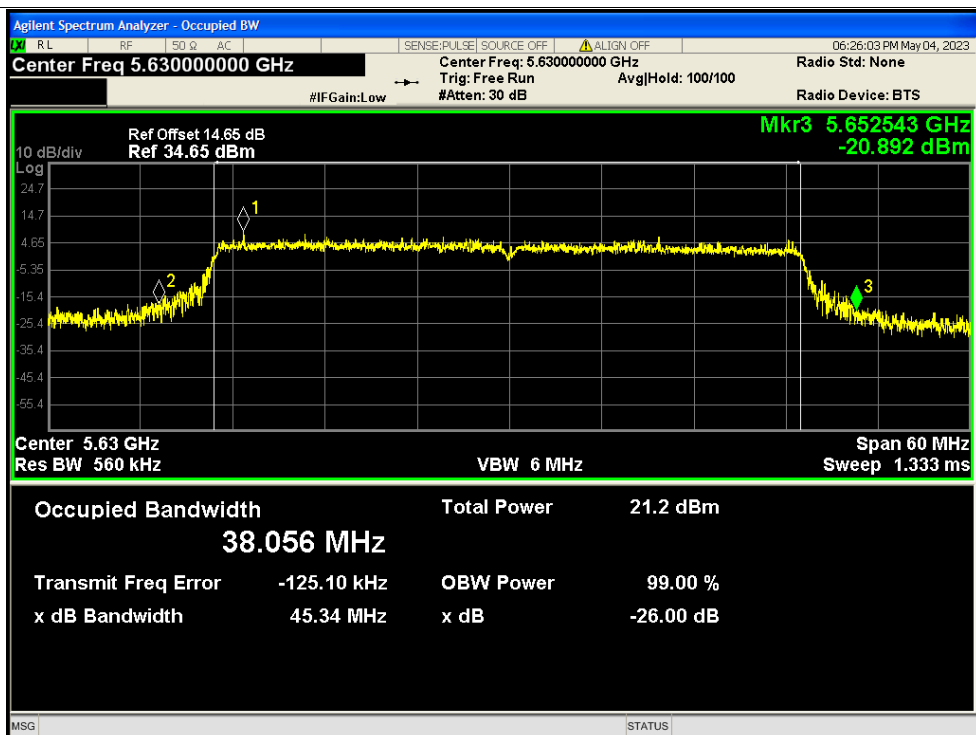


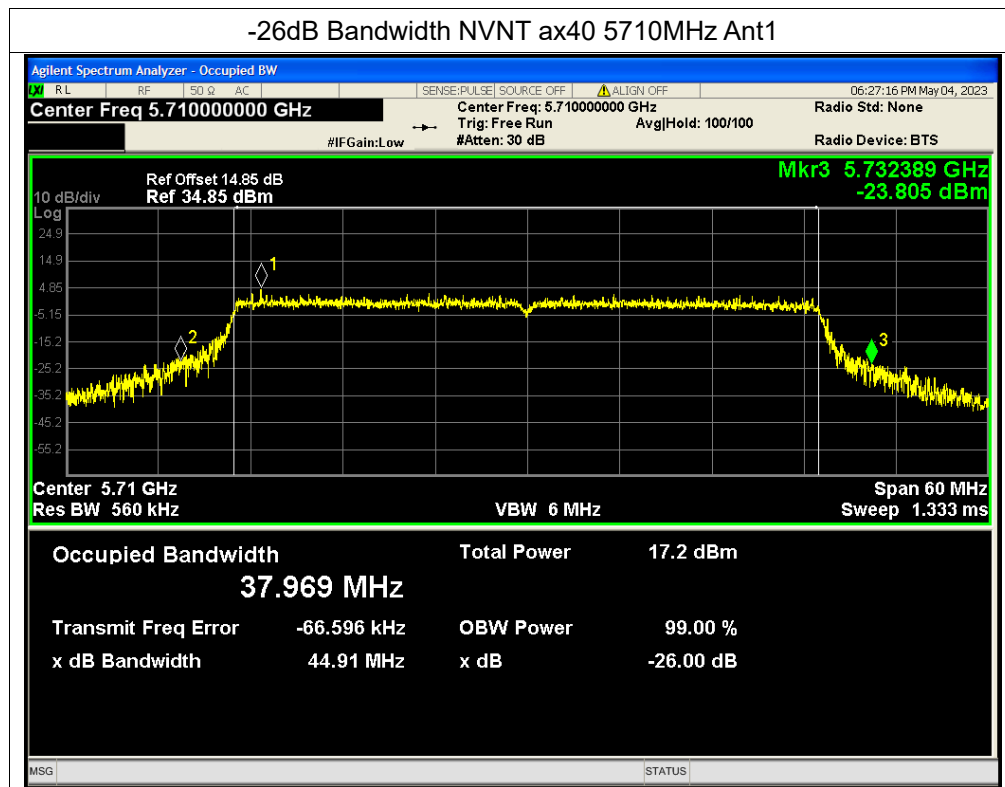


-26dB Bandwidth NVNT ax40 5550MHz Ant1



-26dB Bandwidth NVNT ax40 5630MHz Ant1

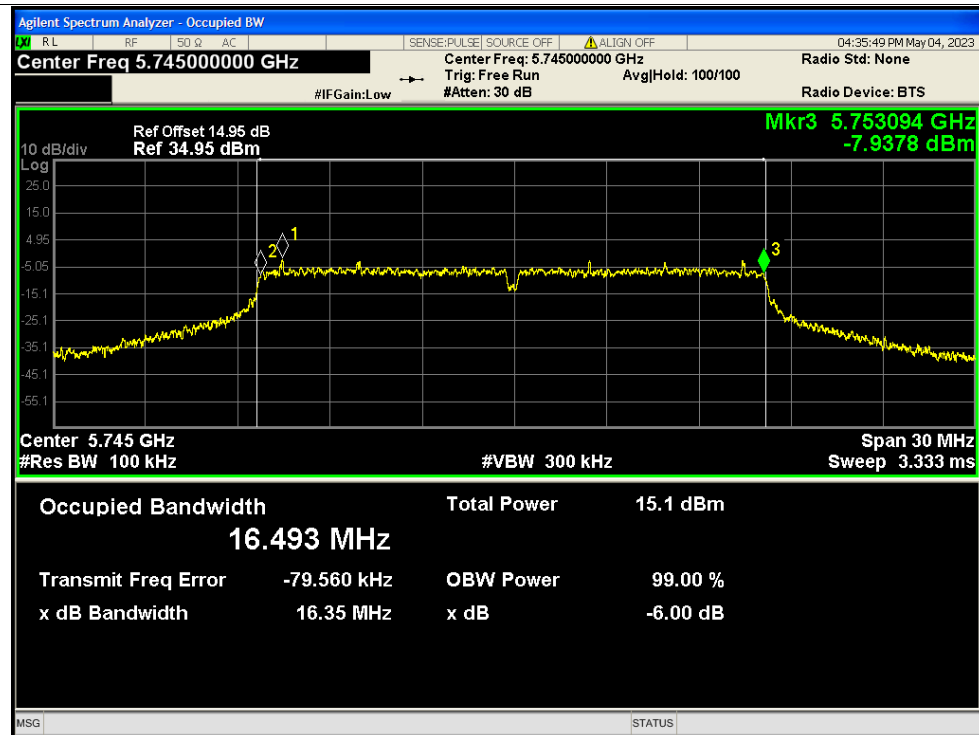




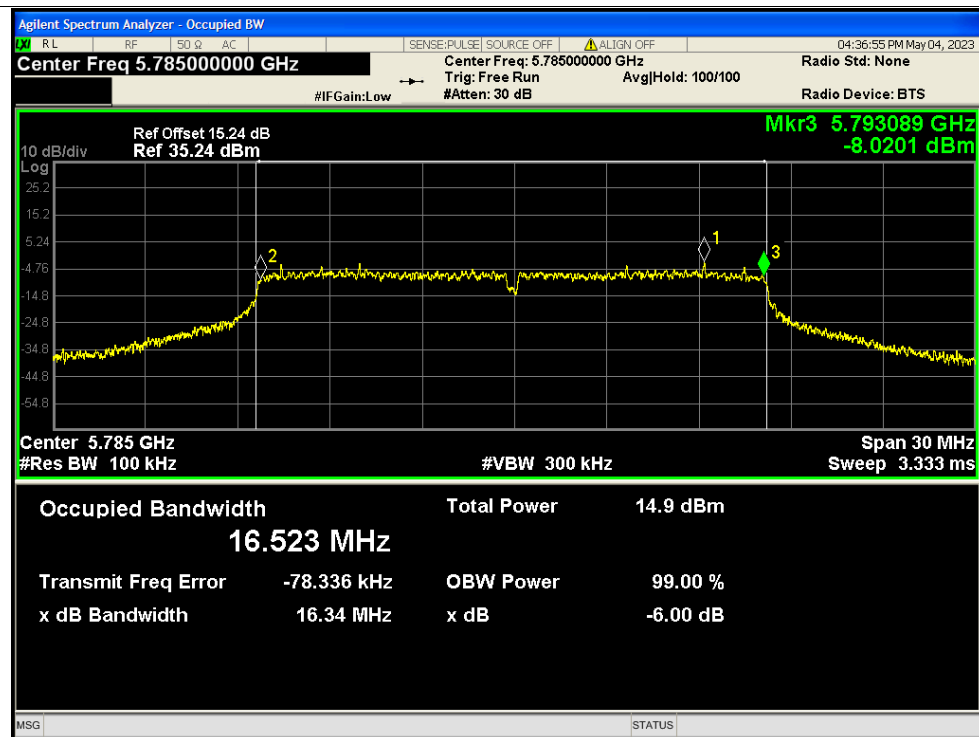


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

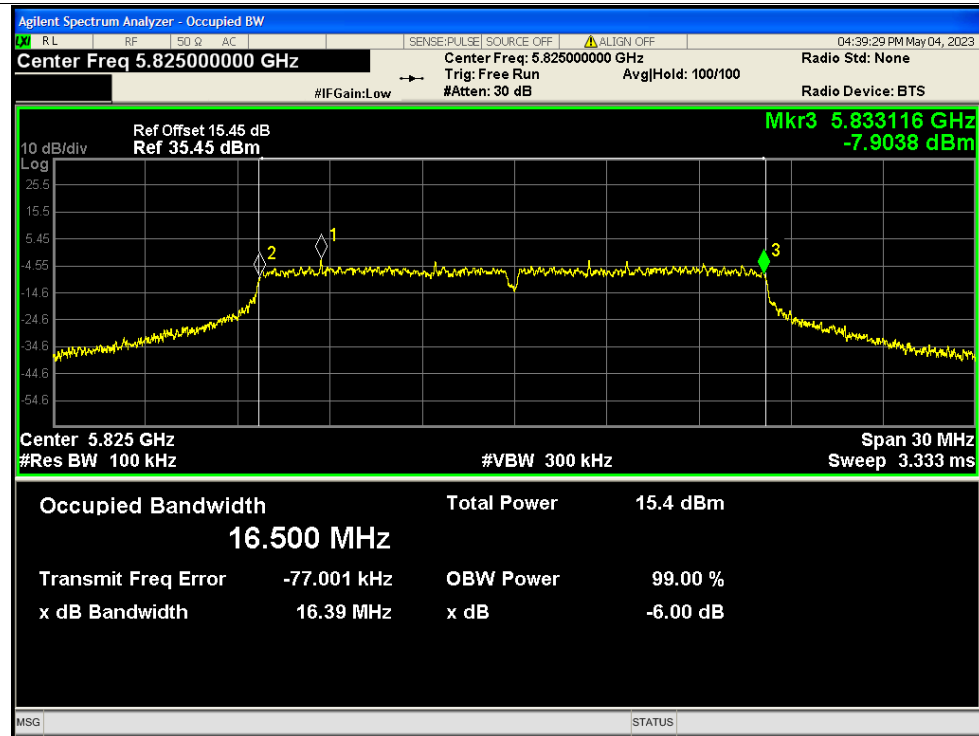


-6dB Bandwidth NVNT a 5785MHz Ant1

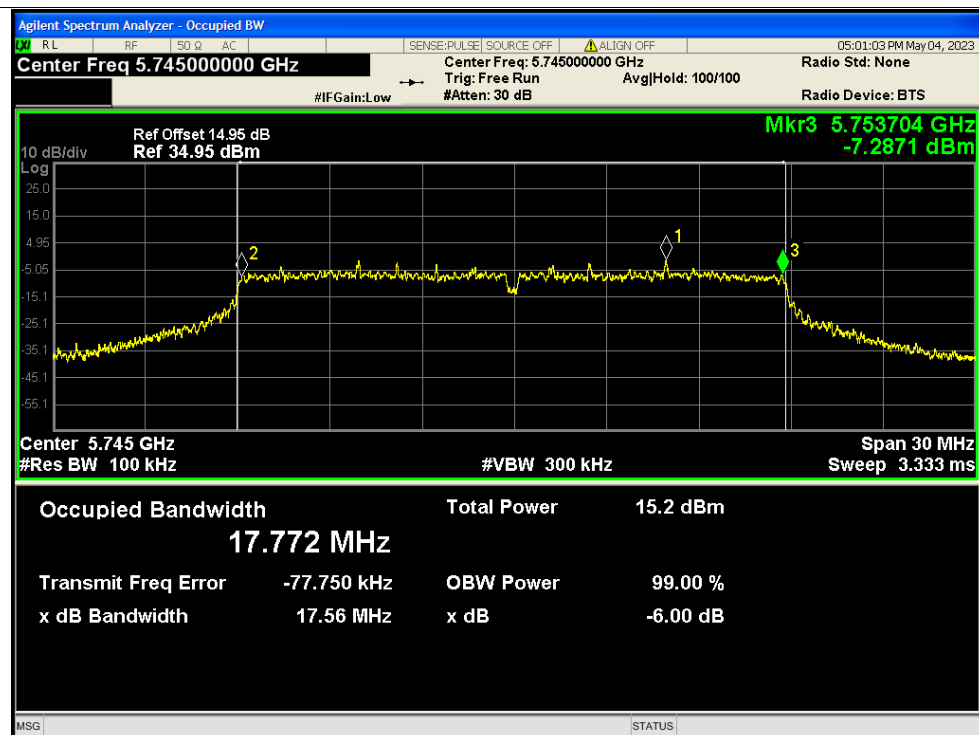


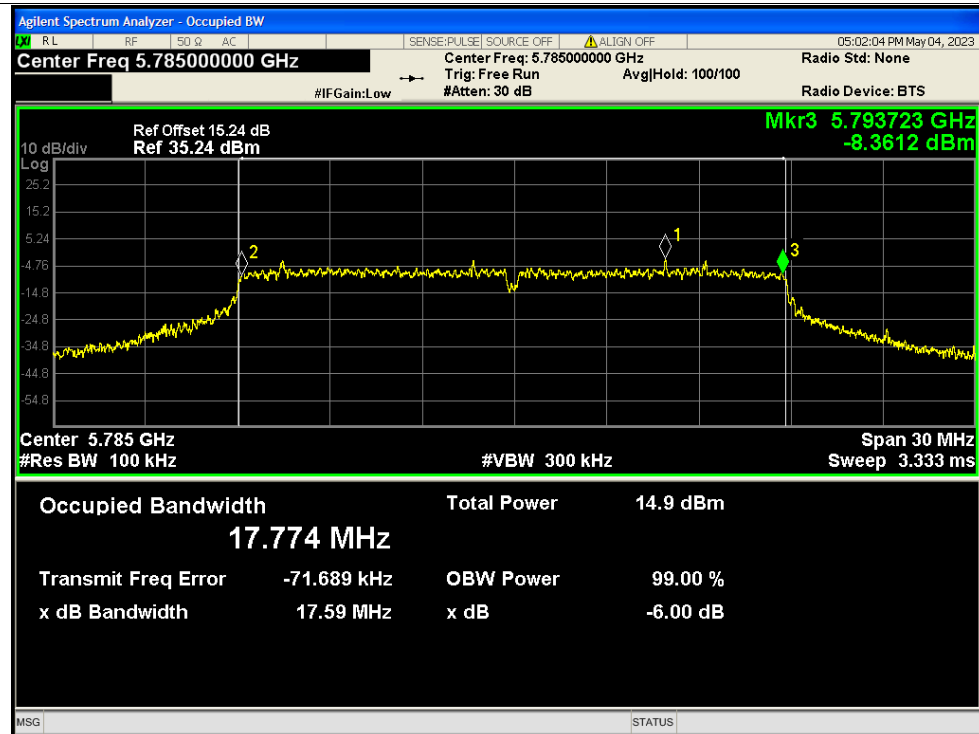
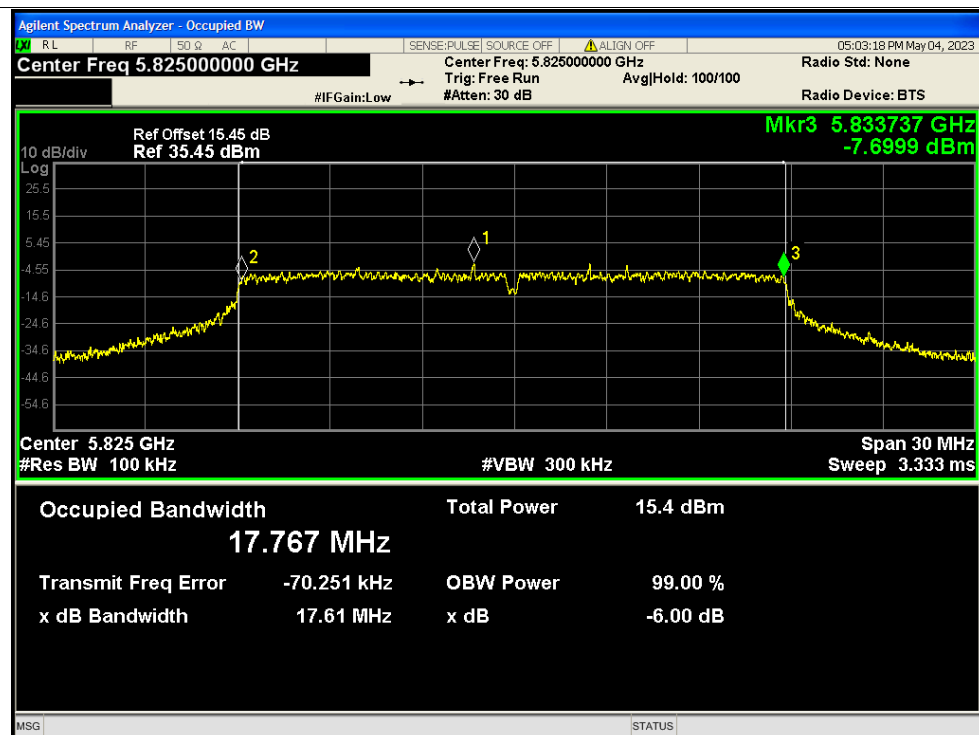


-6dB Bandwidth NVNT a 5825MHz Ant1



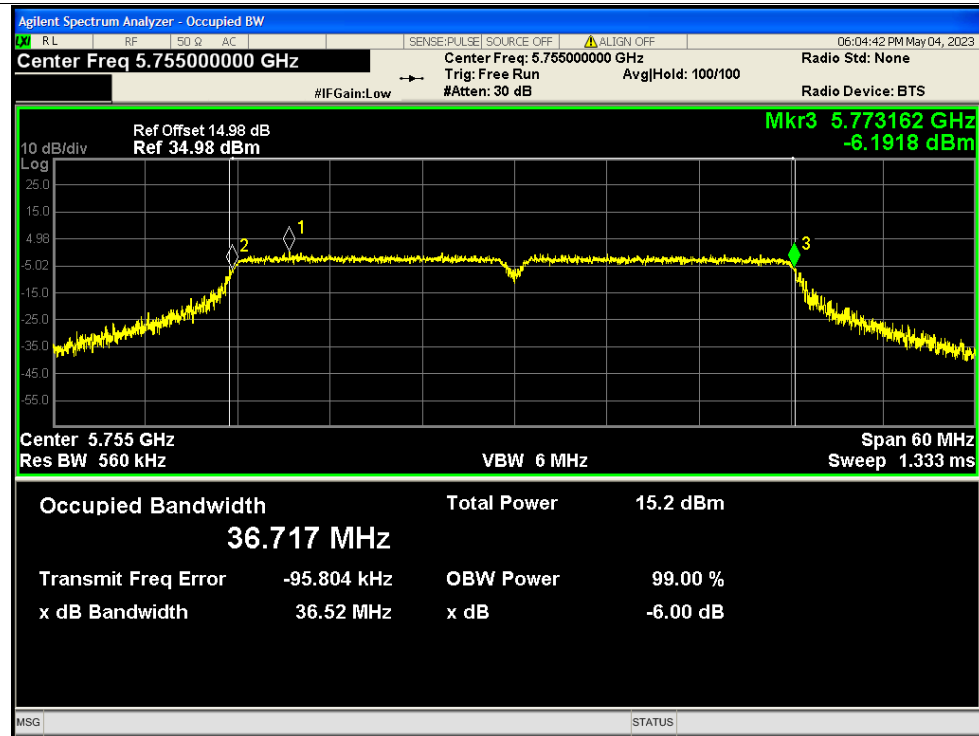
-6dB Bandwidth NVNT n20 5745MHz Ant1



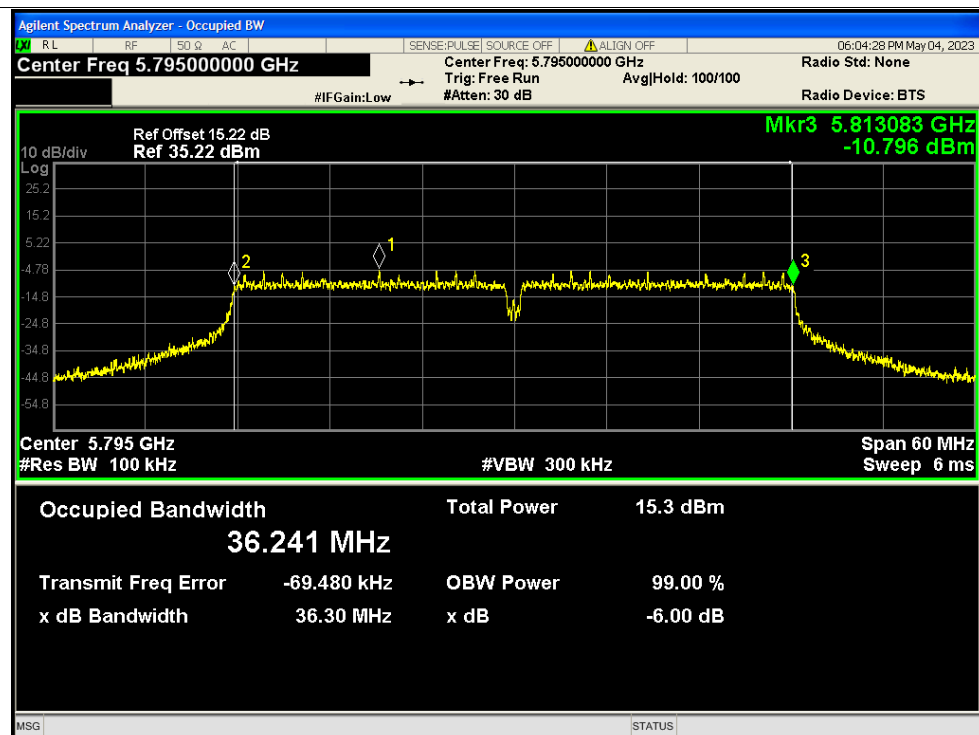
**-6dB Bandwidth NVNT n20 5785MHz Ant1****-6dB Bandwidth NVNT n20 5825MHz Ant1**



-6dB Bandwidth NVNT n40 5755MHz Ant1

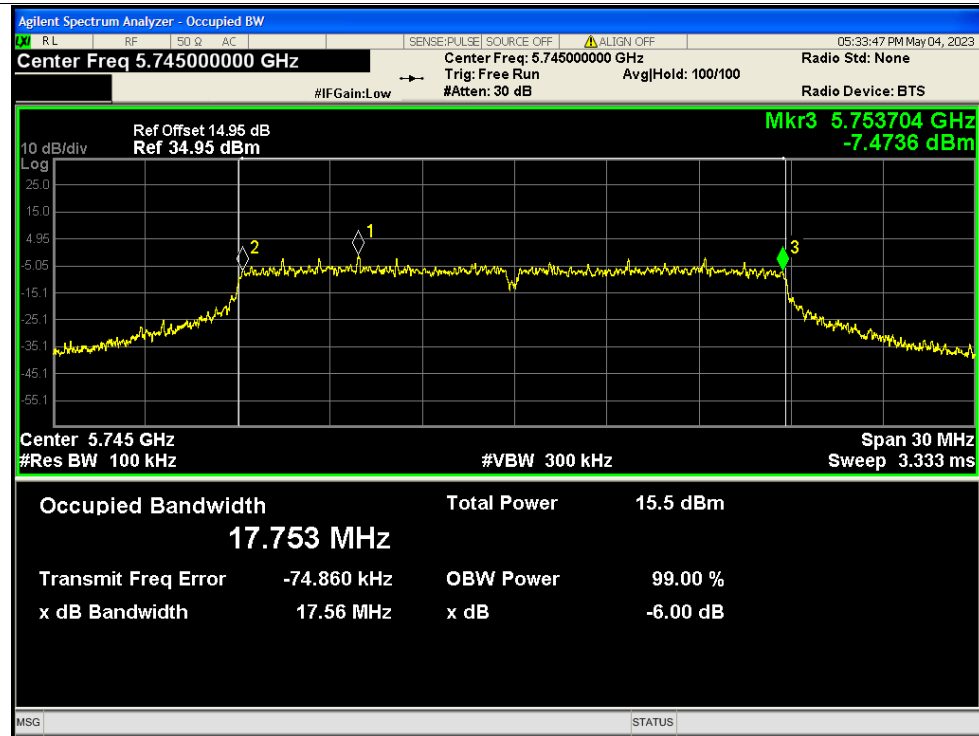


-6dB Bandwidth NVNT n40 5795MHz Ant1

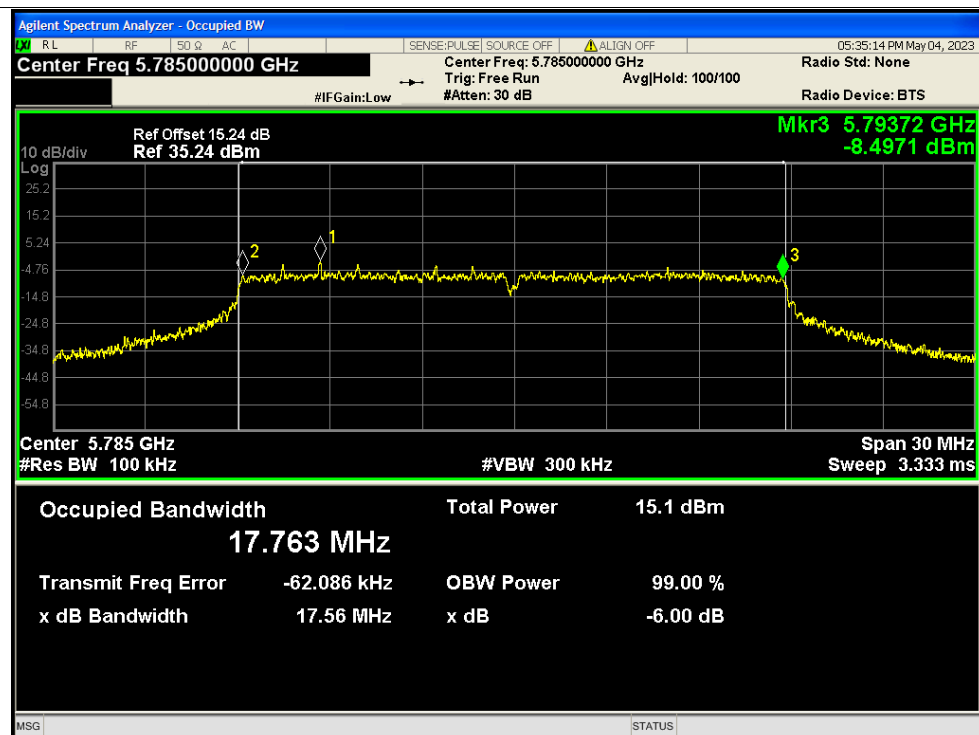




-6dB Bandwidth NVNT ac20 5745MHz Ant1

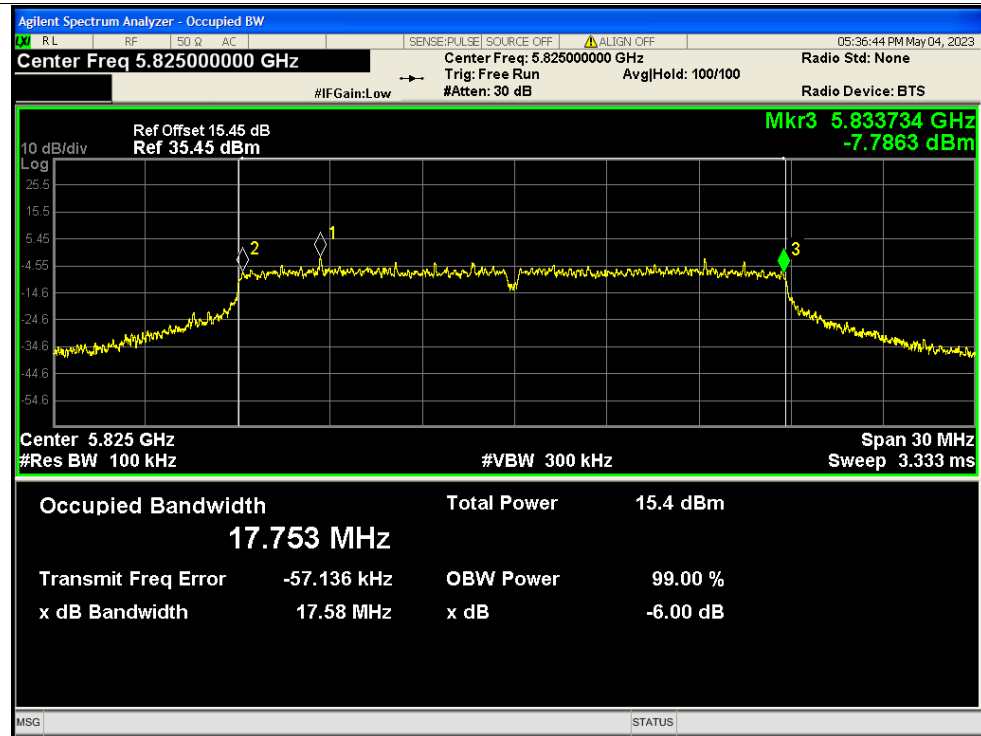


-6dB Bandwidth NVNT ac20 5785MHz Ant1

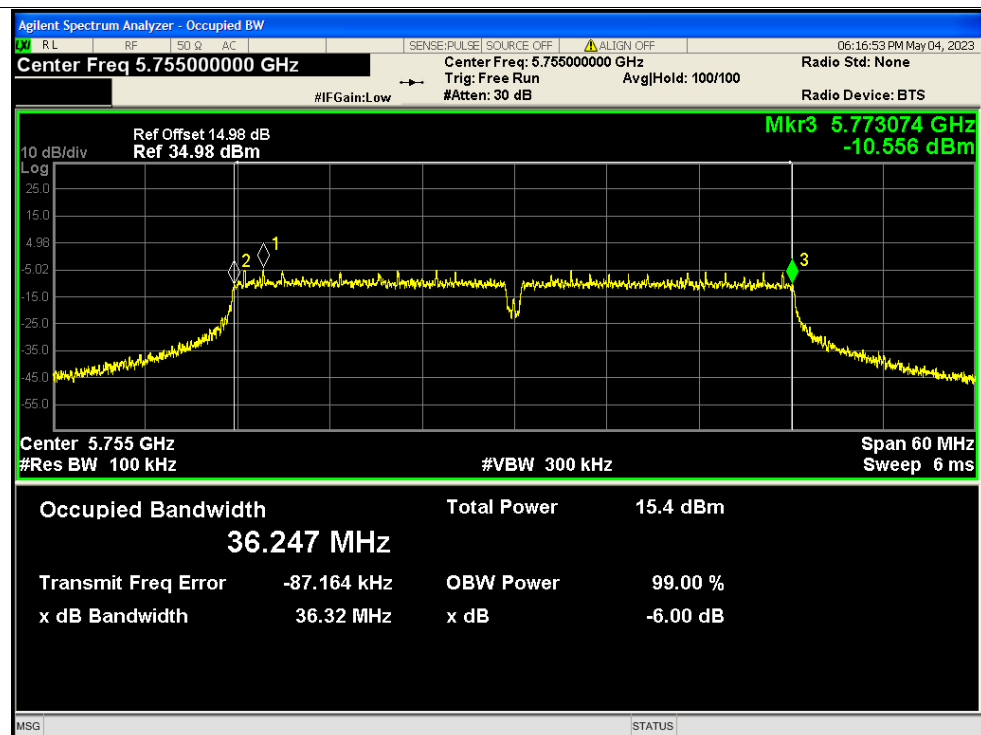




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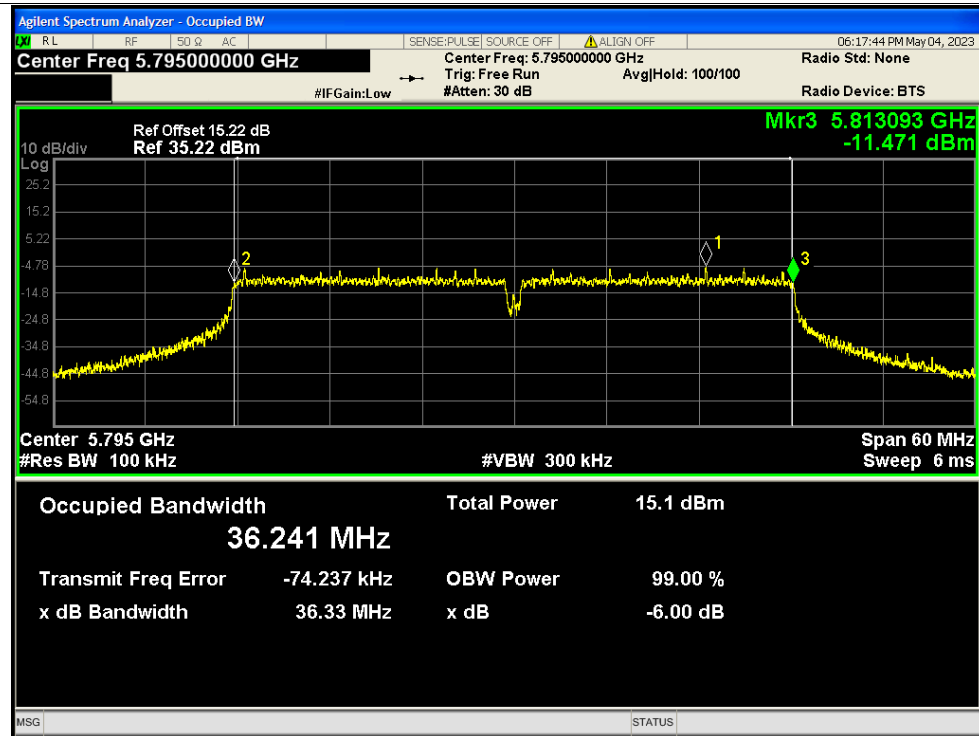


-6dB Bandwidth NVNT ac40 5755MHz Ant1

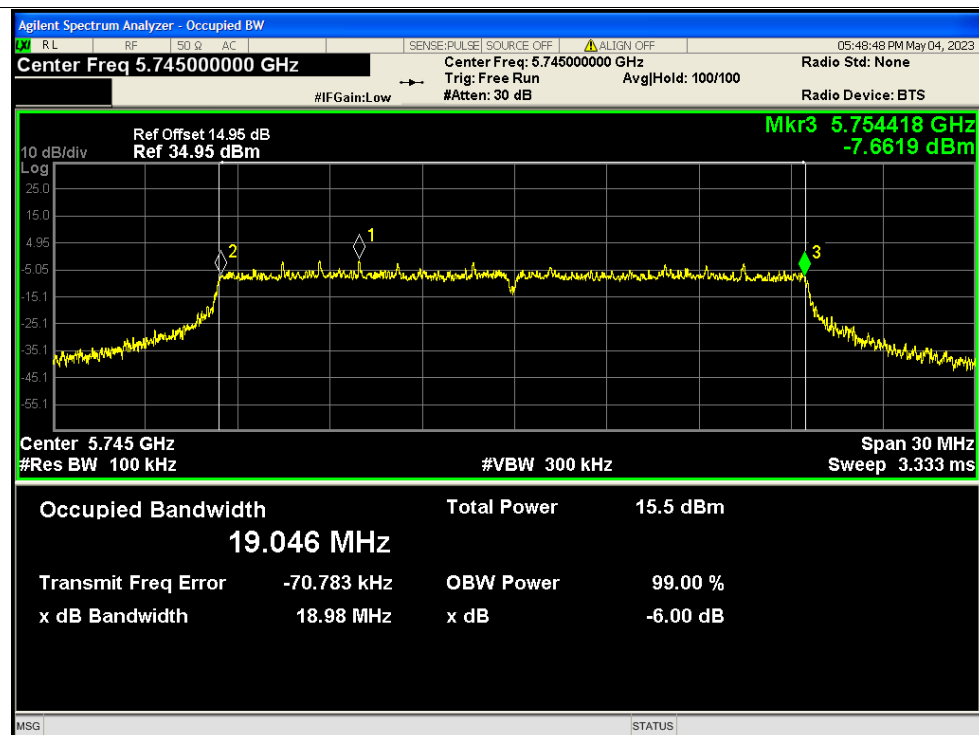




-6dB Bandwidth NVNT ac40 5795MHz Ant1

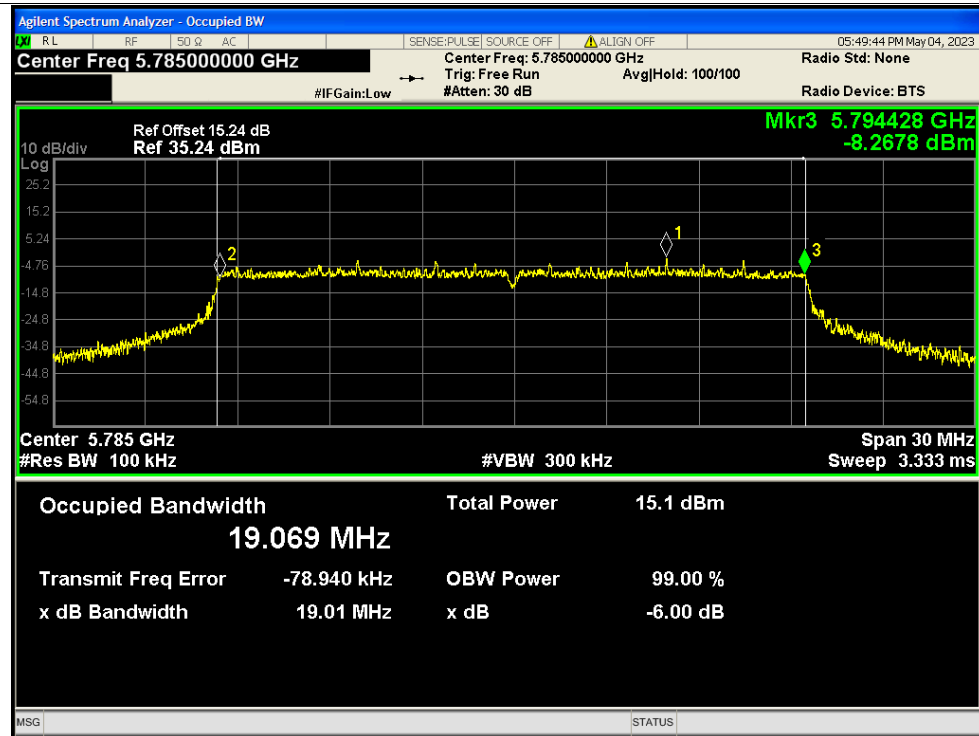


-6dB Bandwidth NVNT ax20 5745MHz Ant1

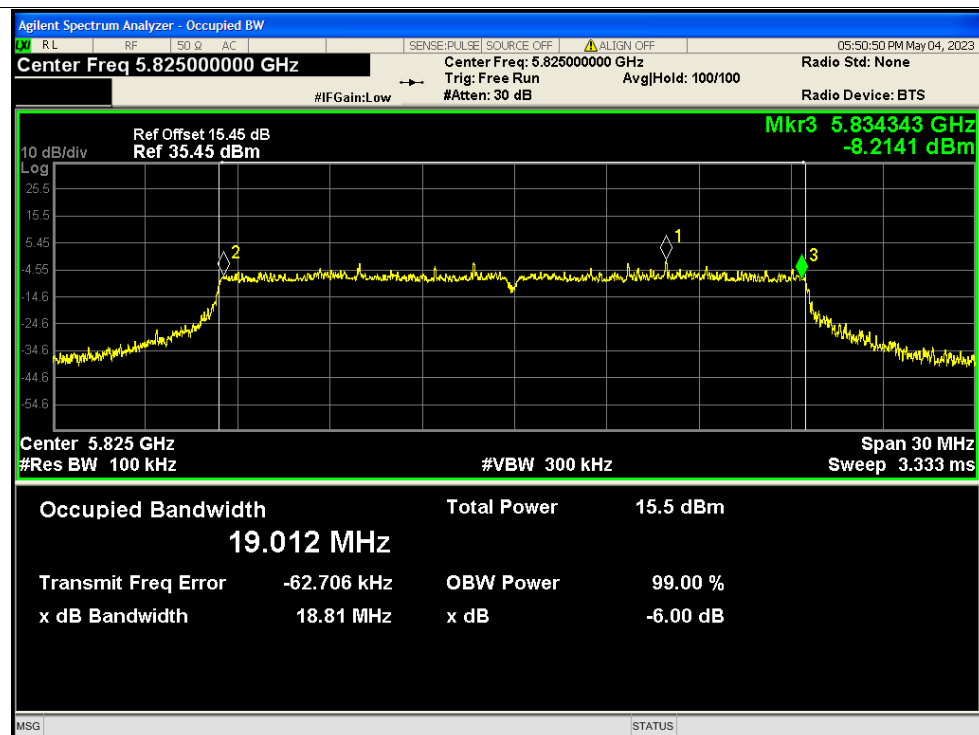




-6dB Bandwidth NVNT ax20 5785MHz Ant1

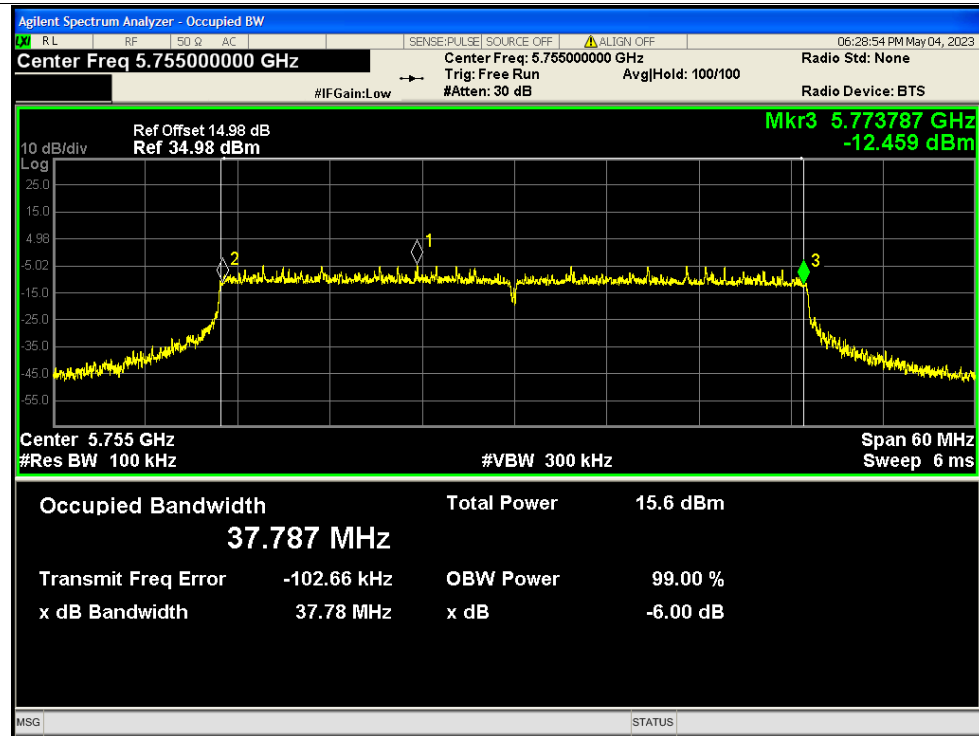


-6dB Bandwidth NVNT ax20 5825MHz Ant1

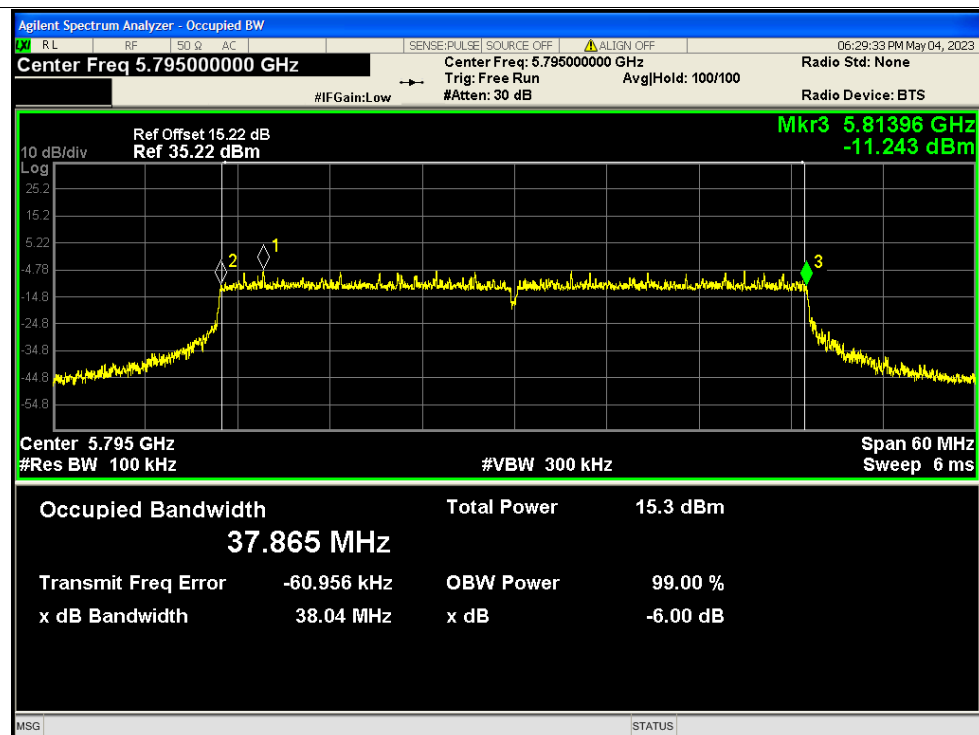




-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1



**A.4. Peak Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.93	0.20	3.13	11	Pass
NVNT	a	5220	Ant1	3.11	0.20	3.31	11	Pass
NVNT	a	5240	Ant1	3.44	0.20	3.64	11	Pass
NVNT	a	5260	Ant1	3.80	0.20	4.00	11	Pass
NVNT	a	5300	Ant1	4.70	0.20	4.90	11	Pass
NVNT	a	5320	Ant1	4.96	0.20	5.16	11	Pass
NVNT	a	5500	Ant1	7.30	0.20	7.50	11	Pass
NVNT	a	5580	Ant1	5.08	0.20	5.28	11	Pass
NVNT	a	5600	Ant1	4.54	0.20	4.74	11	Pass
NVNT	a	5700	Ant1	-0.12	0.20	0.08	11	Pass
NVNT	a	5720	Ant1	-1.01	0.20	-0.81	11	Pass
NVNT	a	5745	Ant1	-4.71	0.20	-4.51	30	Pass
NVNT	a	5785	Ant1	-4.88	0.20	-4.68	30	Pass
NVNT	a	5825	Ant1	-4.52	0.20	-4.32	30	Pass
NVNT	n20	5180	Ant1	2.44	0.23	2.67	11	Pass
NVNT	n20	5220	Ant1	2.78	0.23	3.01	11	Pass
NVNT	n20	5240	Ant1	3.12	0.23	3.35	11	Pass
NVNT	n20	5260	Ant1	3.32	0.23	3.55	11	Pass
NVNT	n20	5300	Ant1	4.34	0.23	4.57	11	Pass
NVNT	n20	5320	Ant1	4.61	0.23	4.84	11	Pass
NVNT	n20	5500	Ant1	7.05	0.23	7.28	11	Pass
NVNT	n20	5580	Ant1	4.70	0.23	4.93	11	Pass
NVNT	n20	5600	Ant1	4.18	0.23	4.41	11	Pass
NVNT	n20	5720	Ant1	-1.49	0.23	-1.26	11	Pass
NVNT	n20	5745	Ant1	-5.01	0.23	-4.78	30	Pass
NVNT	n20	5785	Ant1	-5.17	0.23	-4.94	30	Pass
NVNT	n20	5825	Ant1	-4.79	0.23	-4.56	30	Pass
NVNT	n40	5190	Ant1	-1.01	0.94	-0.07	11	Pass
NVNT	n40	5230	Ant1	-0.66	0.94	0.28	11	Pass
NVNT	n40	5270	Ant1	0.06	0.94	1.00	11	Pass
NVNT	n40	5310	Ant1	1.08	0.94	2.02	11	Pass
NVNT	n40	5510	Ant1	3.29	0.94	4.23	11	Pass
NVNT	n40	5550	Ant1	2.85	0.94	3.79	11	Pass
NVNT	n40	5630	Ant1	-0.63	0.94	0.31	11	Pass



NVNT	n40	5710	Ant1	-4.66	0.94	-3.72	11	Pass
NVNT	n40	5755	Ant1	-8.80	0.94	-7.86	30	Pass
NVNT	n40	5795	Ant1	-8.74	0.94	-7.80	30	Pass
NVNT	ac20	5180	Ant1	3.07	0.34	3.41	11	Pass
NVNT	ac20	5220	Ant1	3.45	0.34	3.79	11	Pass
NVNT	ac20	5240	Ant1	3.51	0.34	3.85	11	Pass
NVNT	ac20	5260	Ant1	3.74	0.34	4.08	11	Pass
NVNT	ac20	5300	Ant1	4.85	0.34	5.19	11	Pass
NVNT	ac20	5320	Ant1	5.06	0.34	5.40	11	Pass
NVNT	ac20	5500	Ant1	7.24	0.34	7.58	11	Pass
NVNT	ac20	5580	Ant1	4.95	0.34	5.29	11	Pass
NVNT	ac20	5600	Ant1	4.30	0.34	4.64	11	Pass
NVNT	ac20	5720	Ant1	-1.30	0.34	-0.96	11	Pass
NVNT	ac20	5745	Ant1	-4.74	0.34	-4.40	30	Pass
NVNT	ac20	5785	Ant1	-5.16	0.34	-4.82	30	Pass
NVNT	ac20	5825	Ant1	-4.84	0.34	-4.50	30	Pass
NVNT	ac40	5190	Ant1	-1.17	0.75	-0.42	11	Pass
NVNT	ac40	5230	Ant1	-0.70	0.75	0.05	11	Pass
NVNT	ac40	5270	Ant1	0.01	0.75	0.76	11	Pass
NVNT	ac40	5310	Ant1	1.02	0.75	1.77	11	Pass
NVNT	ac40	5510	Ant1	3.24	0.75	3.99	11	Pass
NVNT	ac40	5550	Ant1	2.58	0.75	3.33	11	Pass
NVNT	ac40	5630	Ant1	-0.45	0.75	0.30	11	Pass
NVNT	ac40	5710	Ant1	-4.53	0.75	-3.78	11	Pass
NVNT	ac40	5755	Ant1	-8.53	0.75	-7.78	30	Pass
NVNT	ac40	5795	Ant1	-8.88	0.75	-8.13	30	Pass
NVNT	ax20	5180	Ant1	2.20	0.50	2.70	11	Pass
NVNT	ax20	5220	Ant1	2.62	0.50	3.12	11	Pass
NVNT	ax20	5240	Ant1	3.06	0.50	3.56	11	Pass
NVNT	ax20	5260	Ant1	3.10	0.50	3.60	11	Pass
NVNT	ax20	5300	Ant1	4.14	0.50	4.64	11	Pass
NVNT	ax20	5320	Ant1	4.63	0.50	5.13	11	Pass
NVNT	ax20	5500	Ant1	6.93	0.50	7.43	11	Pass
NVNT	ax20	5580	Ant1	4.53	0.50	5.03	11	Pass
NVNT	ax20	5600	Ant1	4.00	0.50	4.50	11	Pass
NVNT	ax20	5720	Ant1	-1.36	0.50	-0.86	11	Pass
NVNT	ax20	5745	Ant1	-5.22	0.50	-4.72	30	Pass
NVNT	ax20	5785	Ant1	-5.46	0.50	-4.96	30	Pass



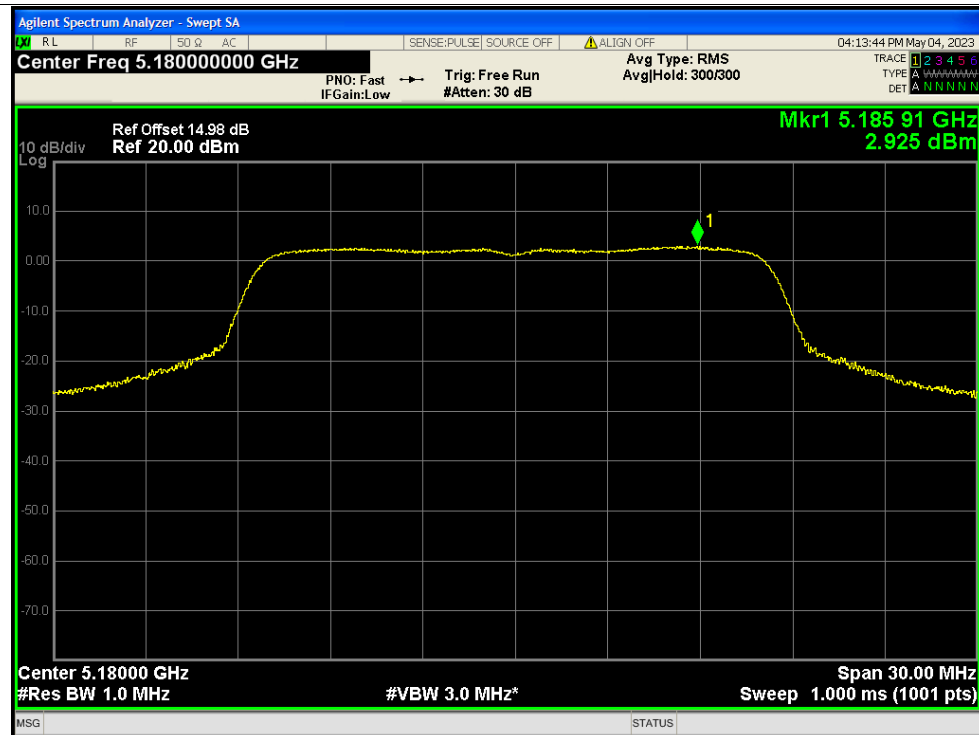
REPORT No. : SZ23030340W03

NVNT	ax20	5825	Ant1	-5.10	0.50	-4.60	30	Pass
NVNT	ax40	5190	Ant1	-1.28	0.88	-0.40	11	Pass
NVNT	ax40	5230	Ant1	-0.88	0.88	0.00	11	Pass
NVNT	ax40	5270	Ant1	-0.30	0.88	0.58	11	Pass
NVNT	ax40	5310	Ant1	1.03	0.88	1.91	11	Pass
NVNT	ax40	5510	Ant1	3.40	0.88	4.28	11	Pass
NVNT	ax40	5550	Ant1	2.56	0.88	3.44	11	Pass
NVNT	ax40	5630	Ant1	-0.37	0.88	0.51	11	Pass
NVNT	ax40	5710	Ant1	-4.84	0.88	-3.96	11	Pass
NVNT	ax40	5755	Ant1	-9.05	0.88	-8.17	30	Pass
NVNT	ax40	5795	Ant1	-9.33	0.88	-8.45	30	Pass

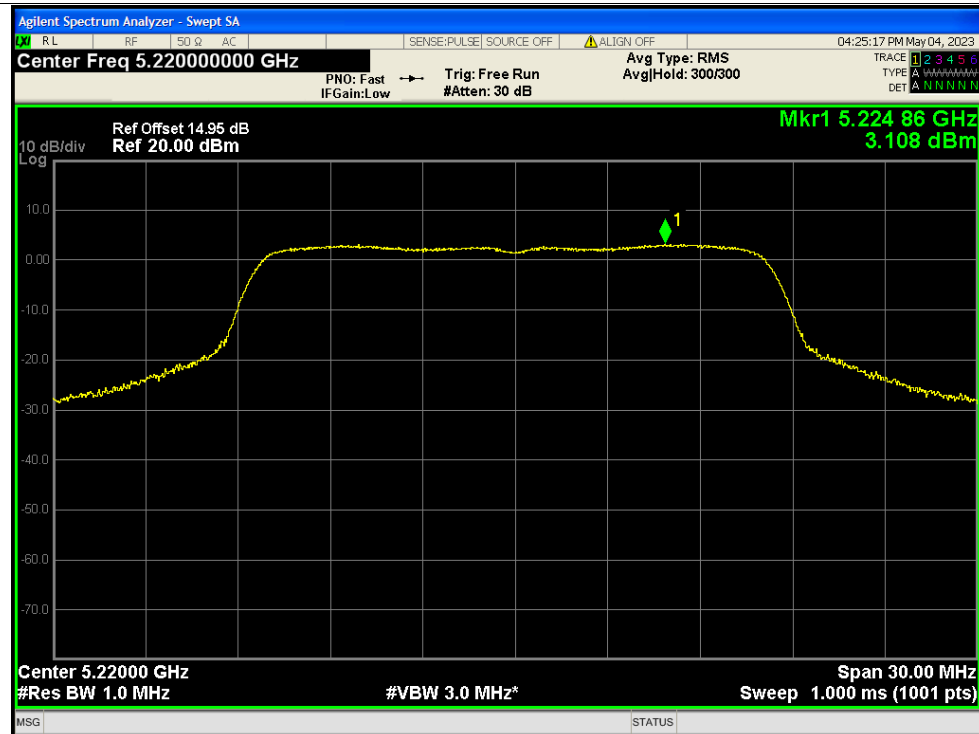


Test Graphs

PSD NVNT a 5180MHz Ant1

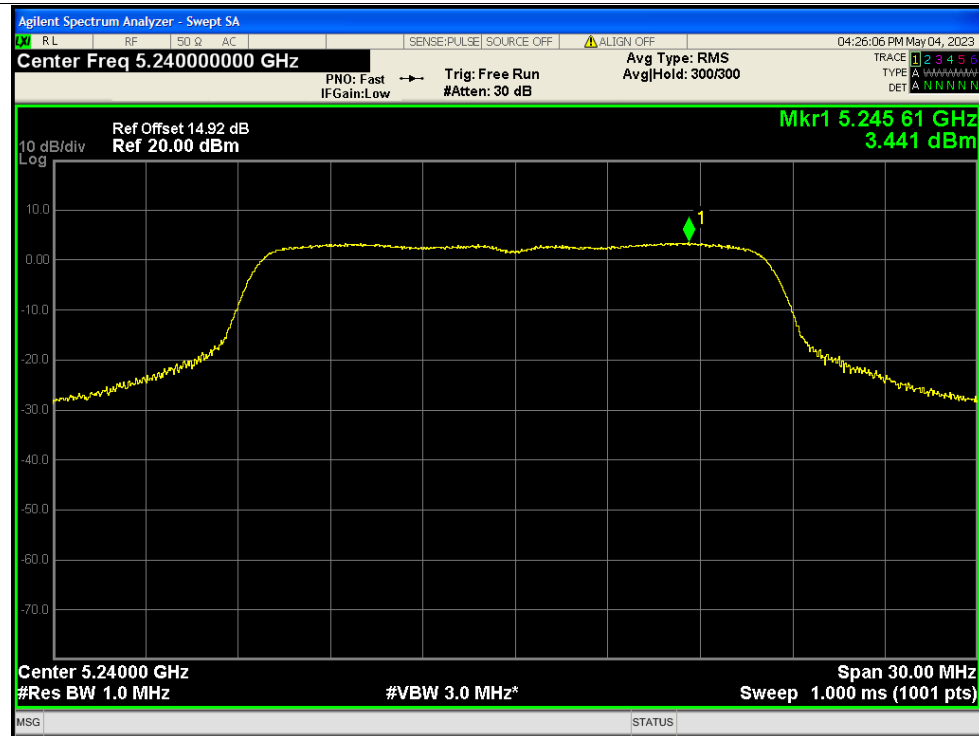


PSD NVNT a 5220MHz Ant1

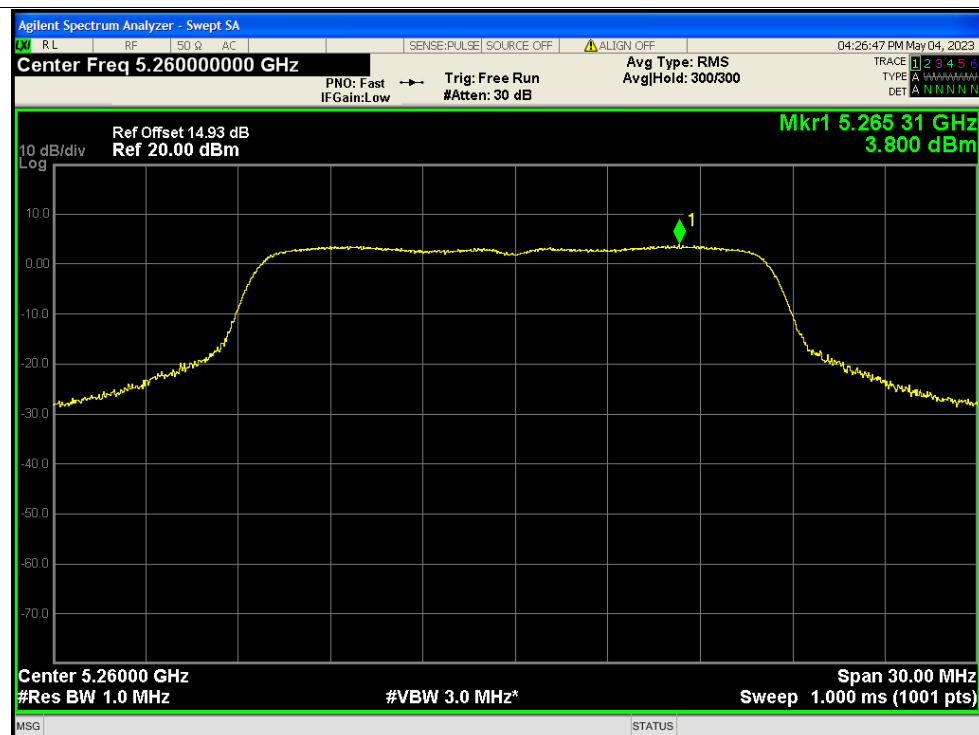




PSD NVNT a 5240MHz Ant1

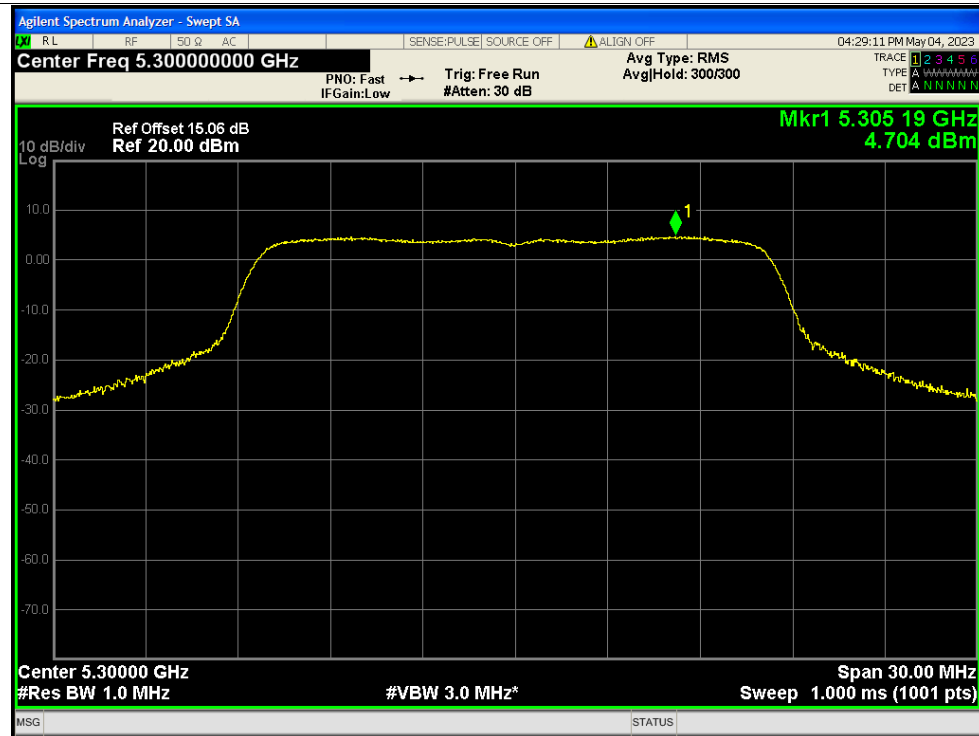


PSD NVNT a 5260MHz Ant1

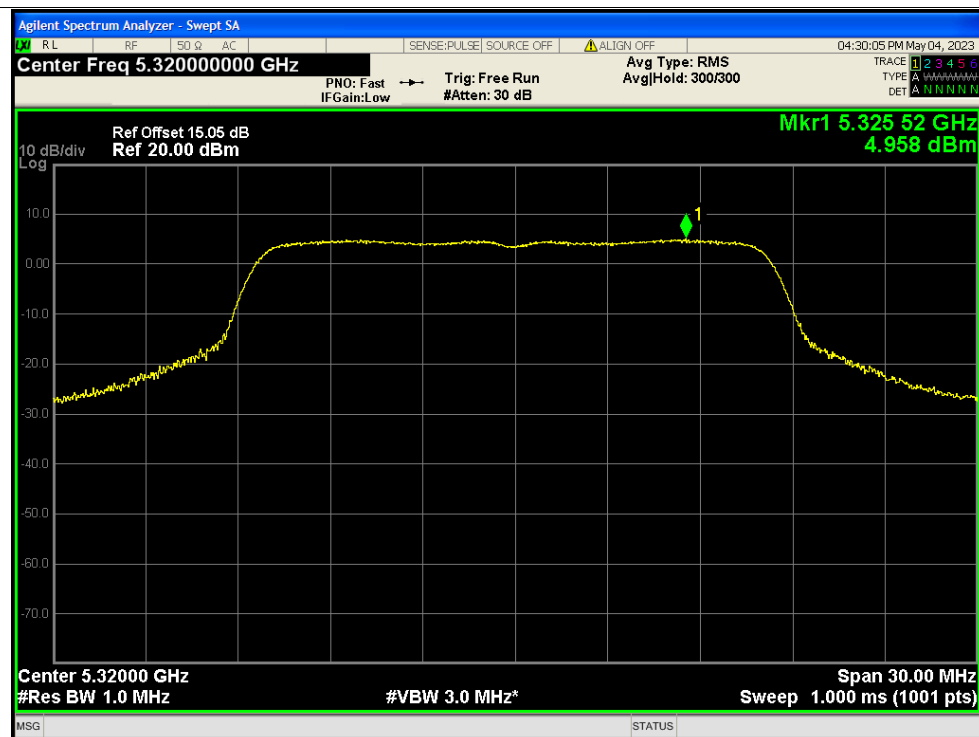




PSD NVNT a 5300MHz Ant1

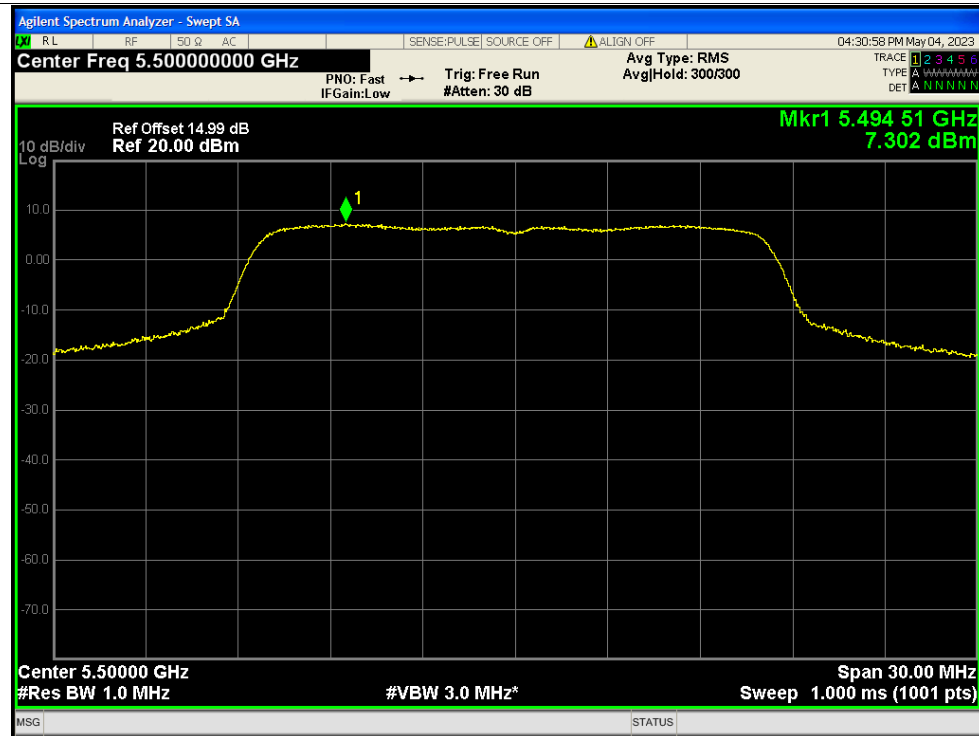


PSD NVNT a 5320MHz Ant1

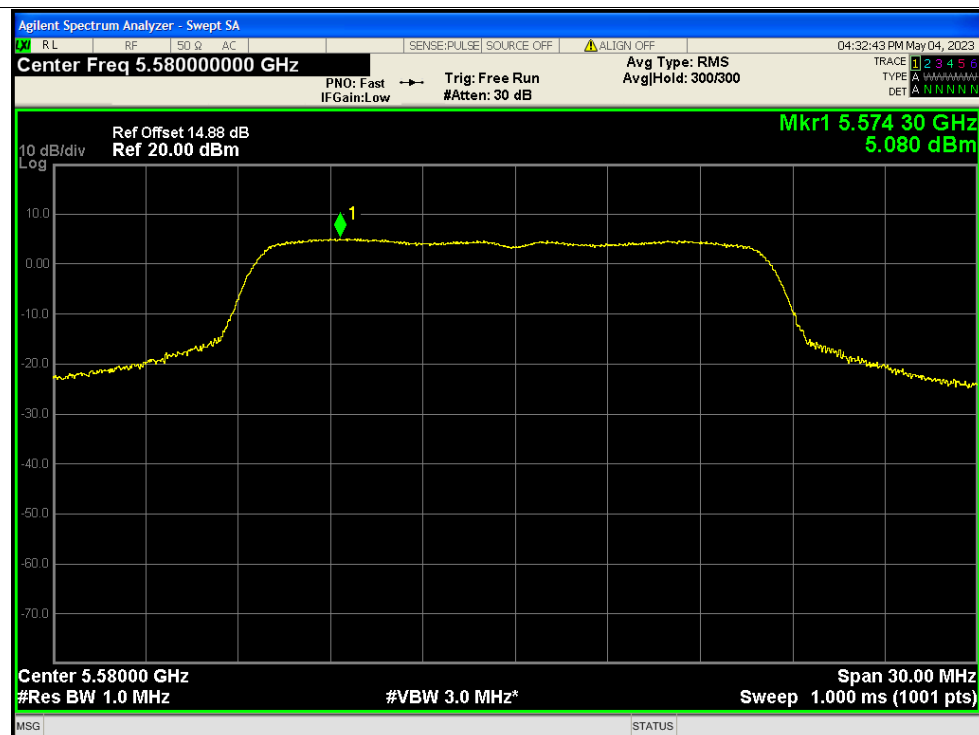




PSD NVNT a 5500MHz Ant1

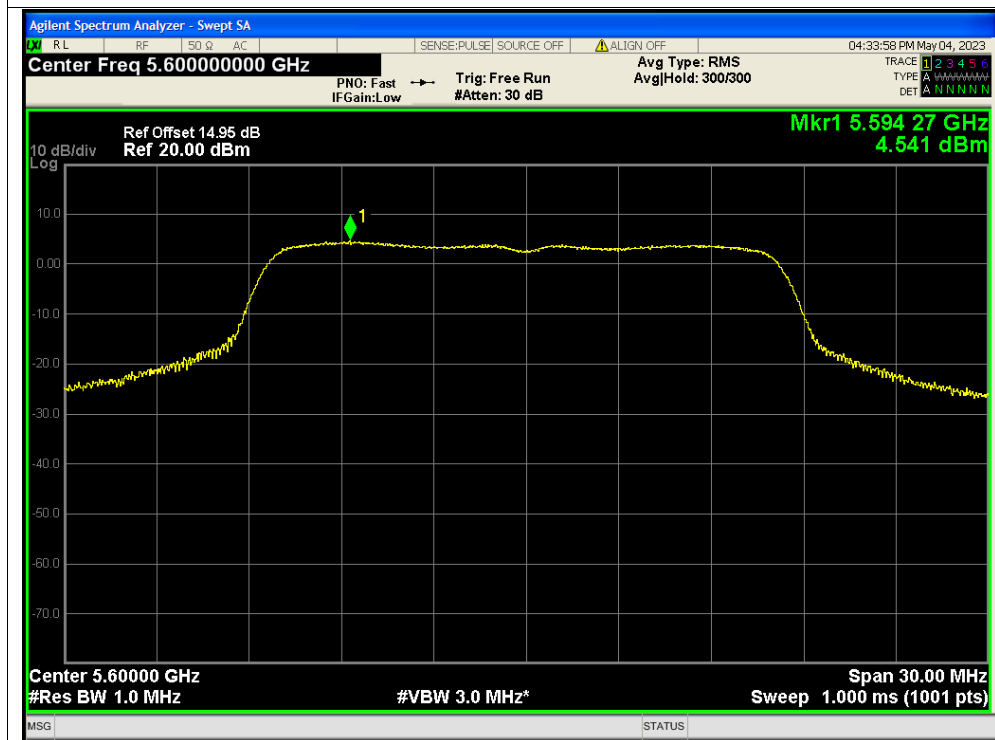


PSD NVNT a 5580MHz Ant1

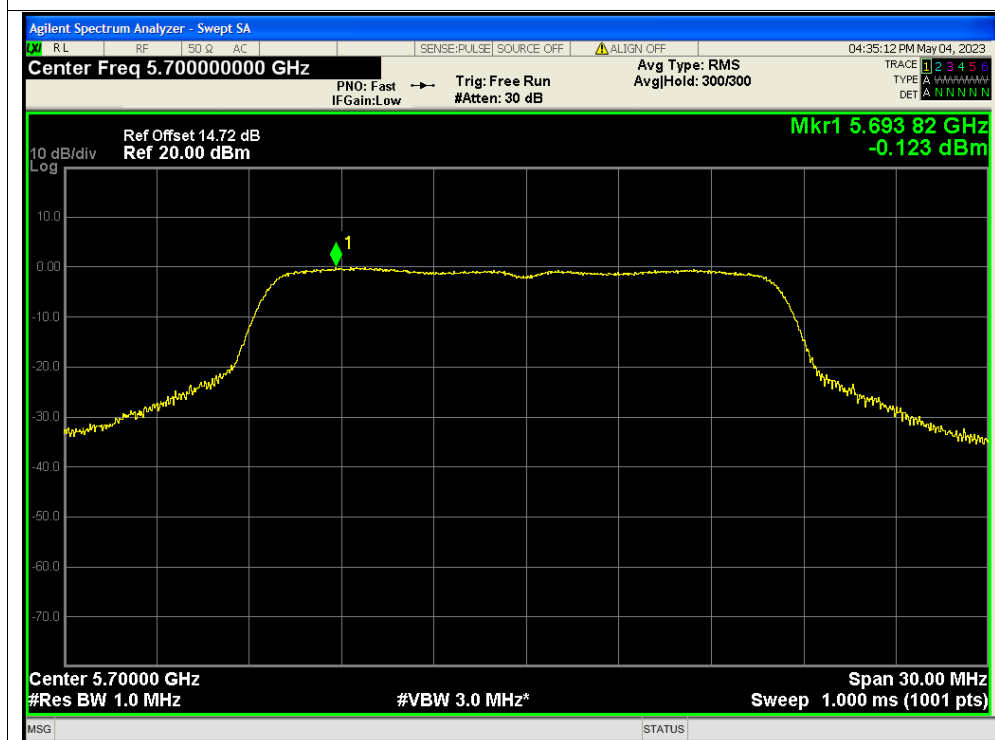




PSD NVNT a 5600MHz Ant1

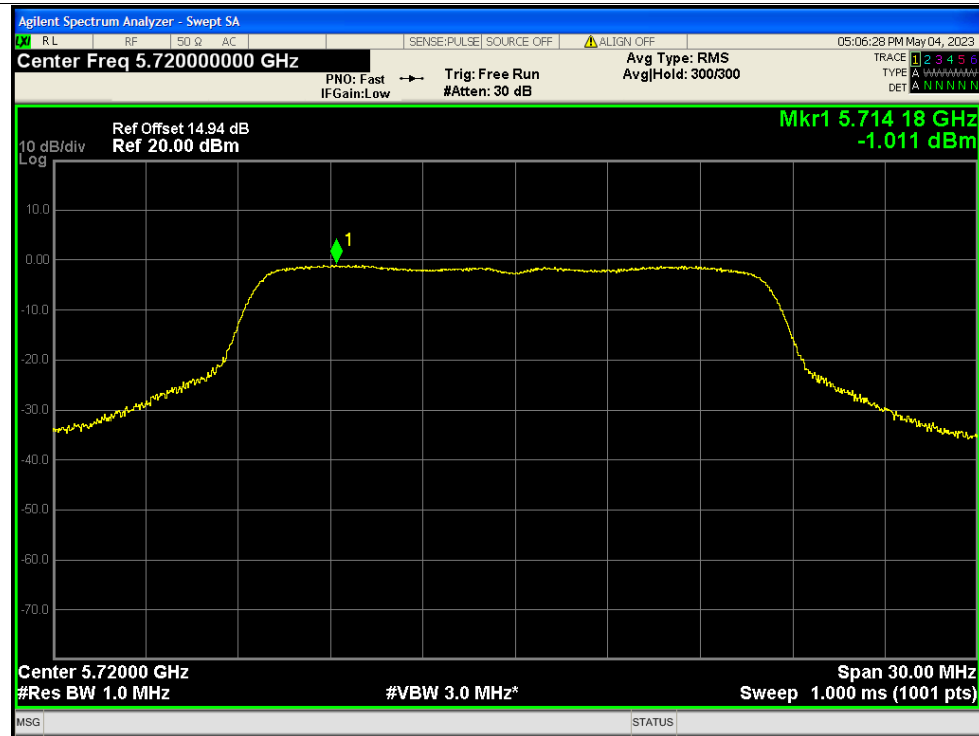


PSD NVNT a 5700MHz Ant1

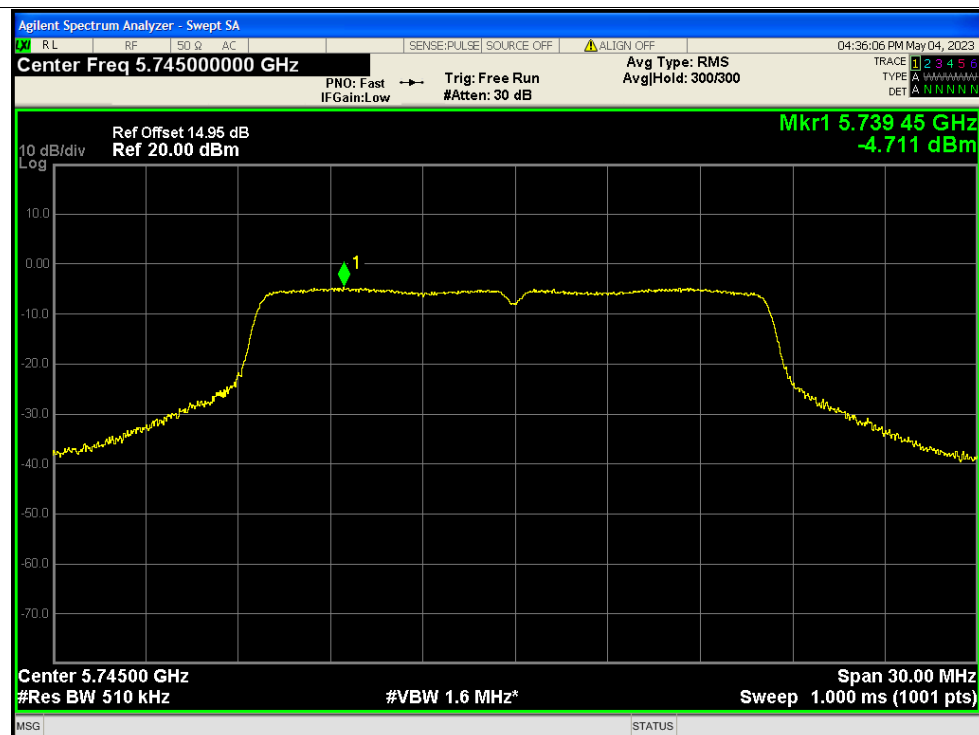




PSD NVNT a 5720MHz Ant1

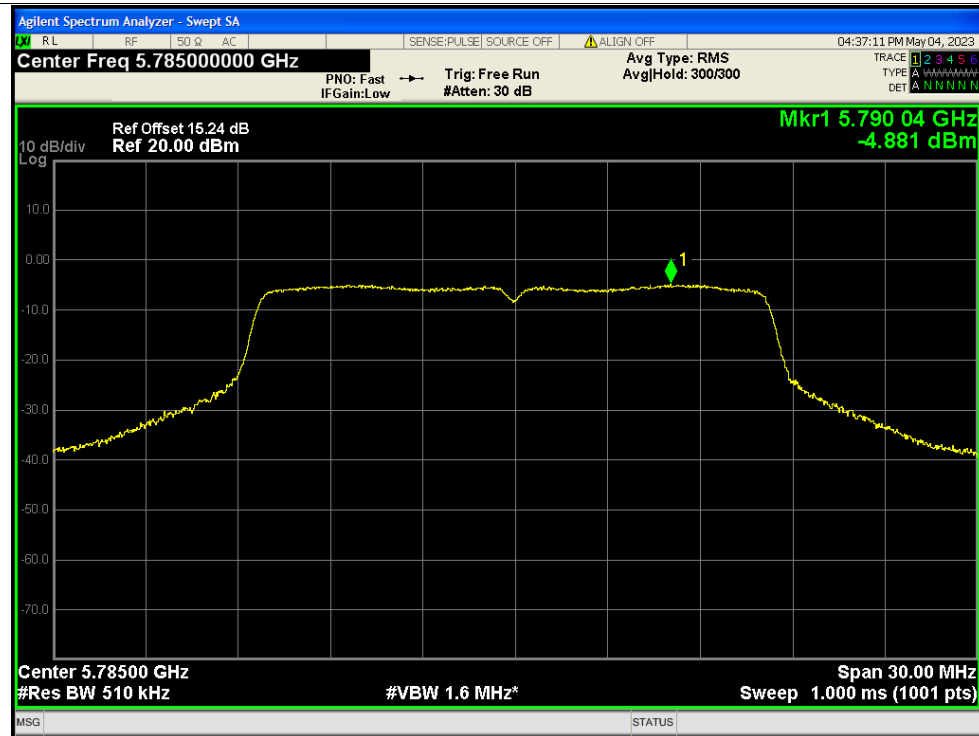


PSD NVNT a 5745MHz Ant1

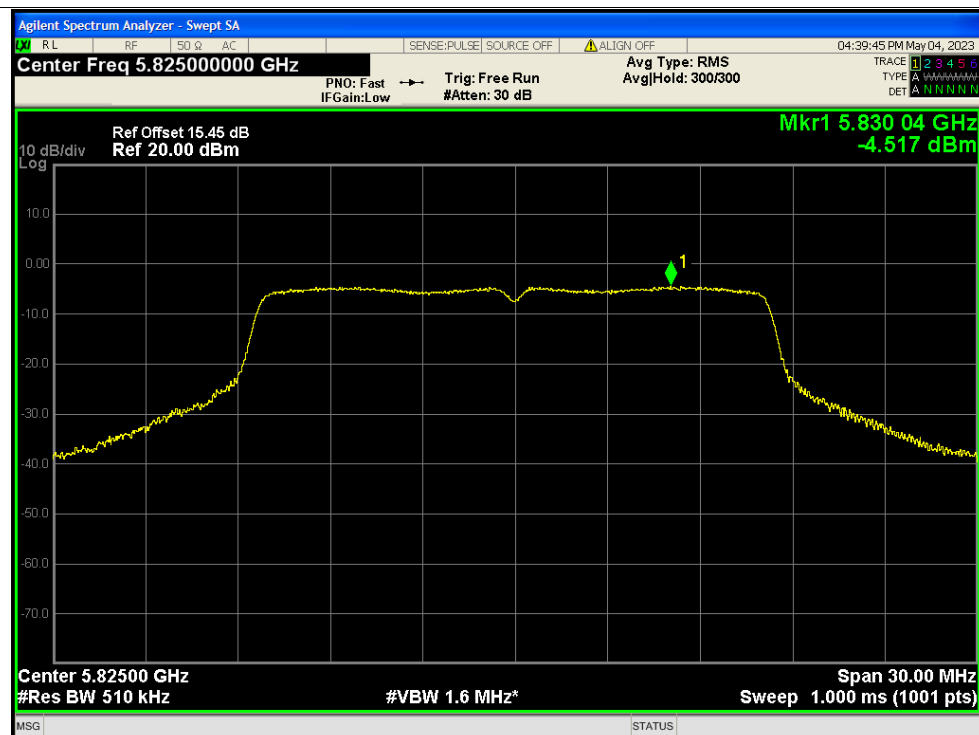




PSD NVNT a 5785MHz Ant1

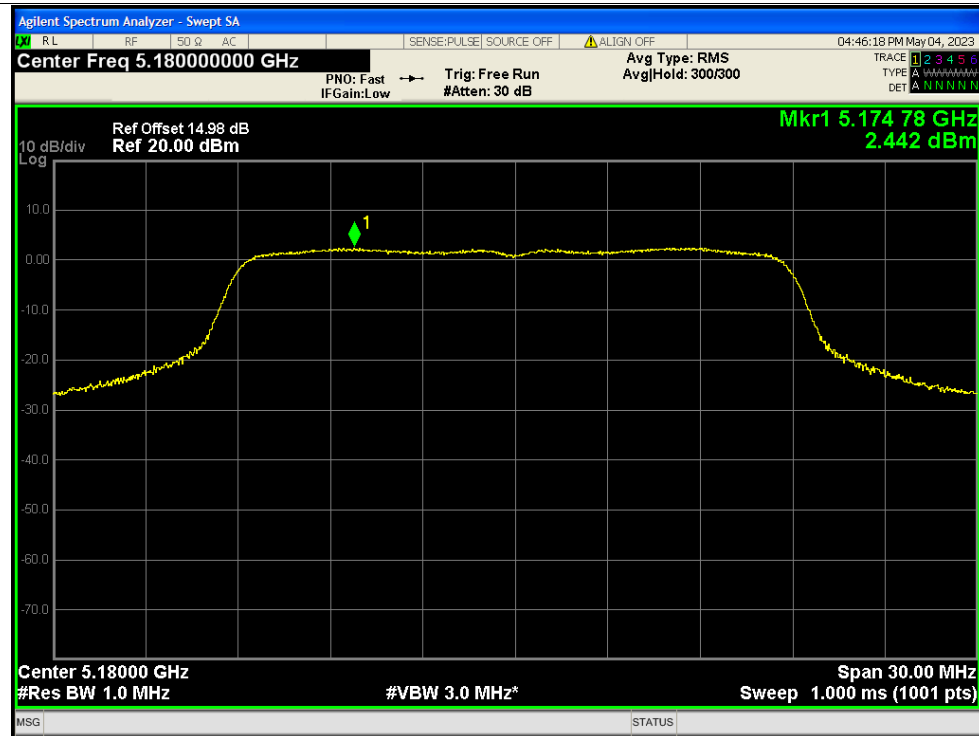


PSD NVNT a 5825MHz Ant1

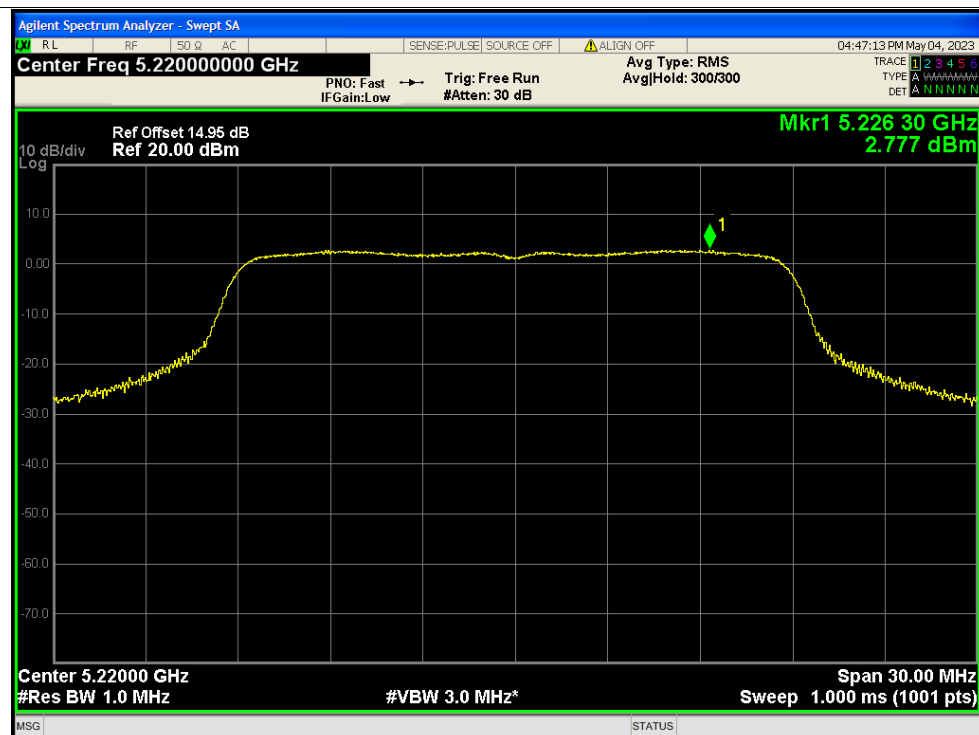




PSD NVNT n20 5180MHz Ant1

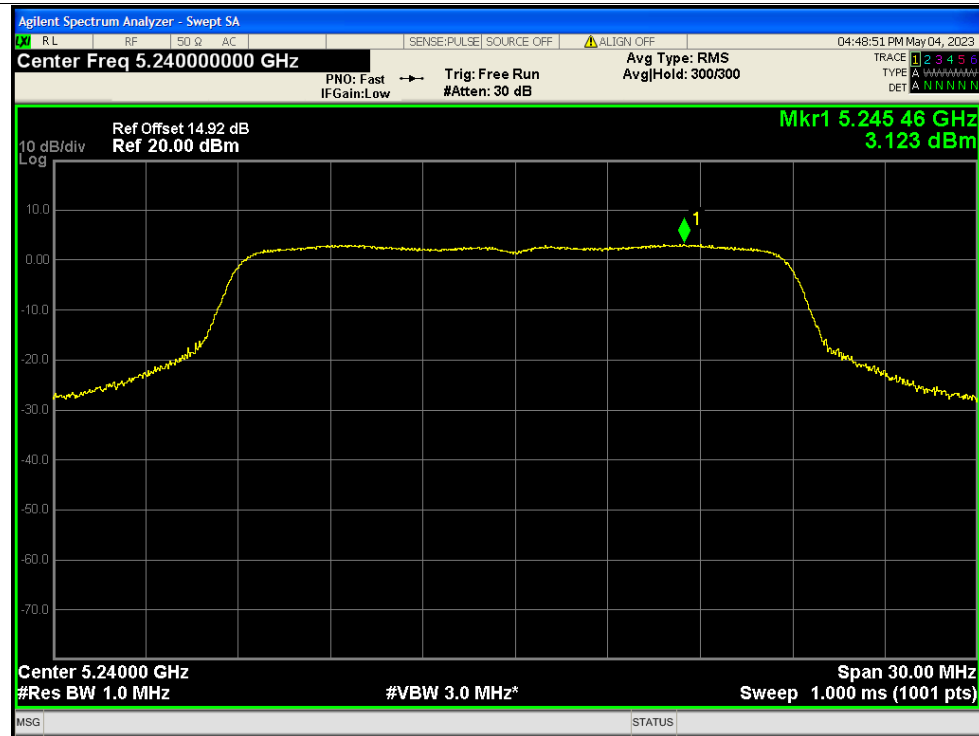


PSD NVNT n20 5220MHz Ant1

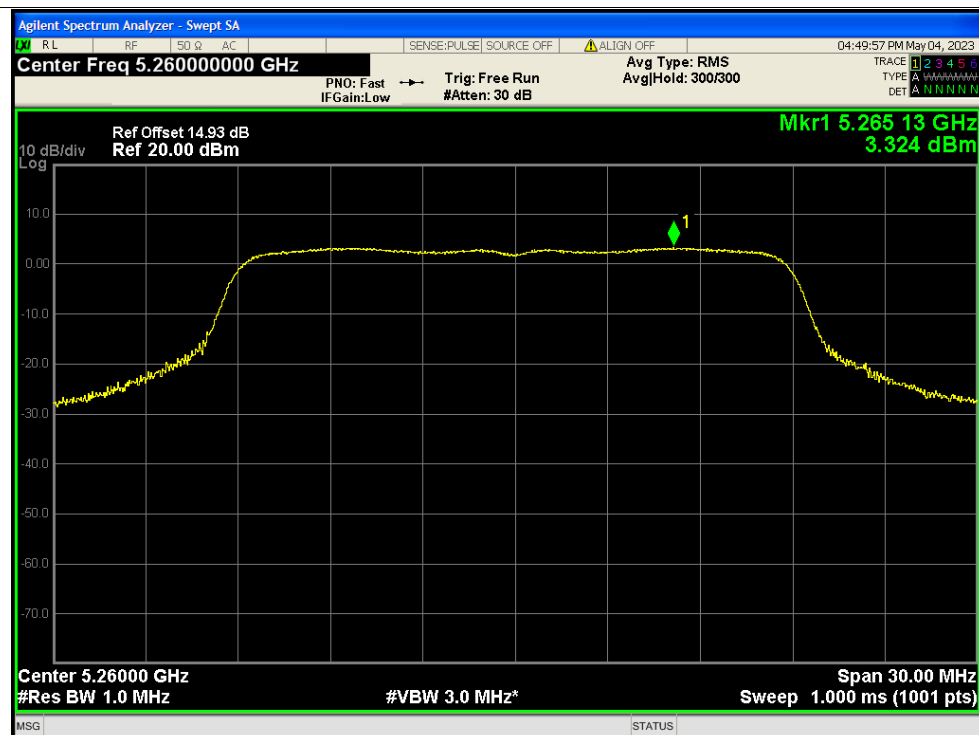




PSD NVNT n20 5240MHz Ant1

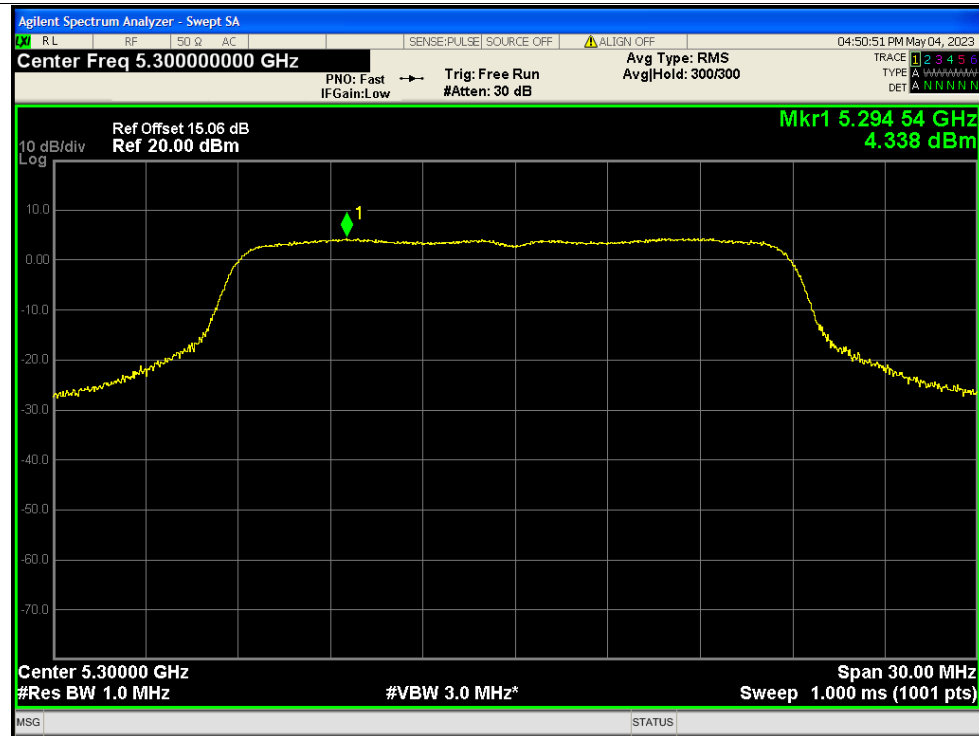


PSD NVNT n20 5260MHz Ant1

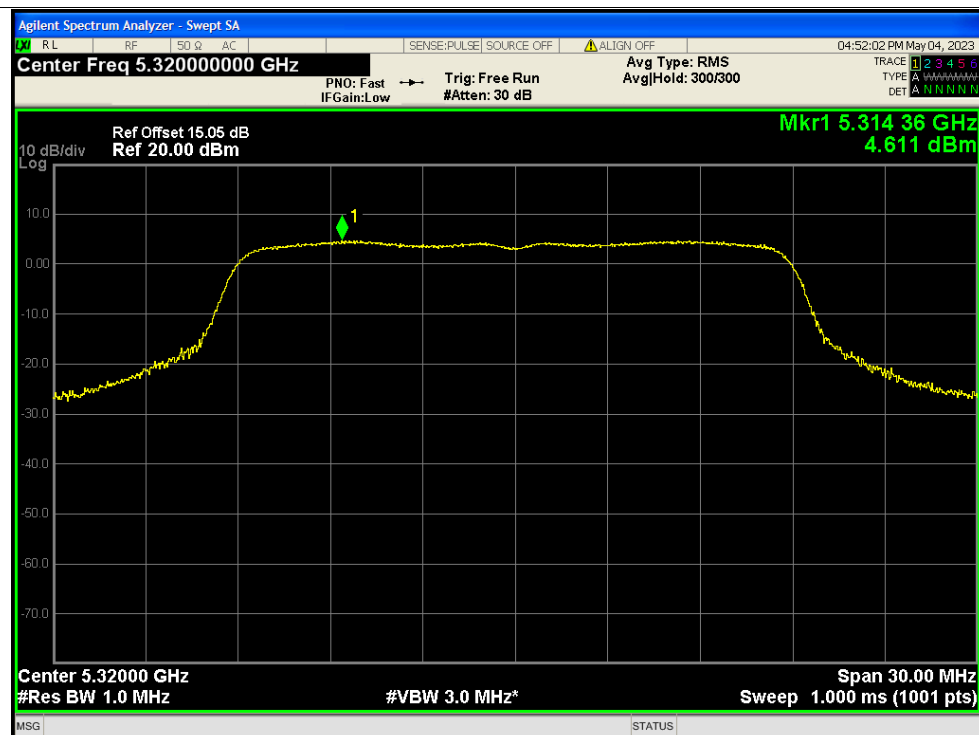




PSD NVNT n20 5300MHz Ant1

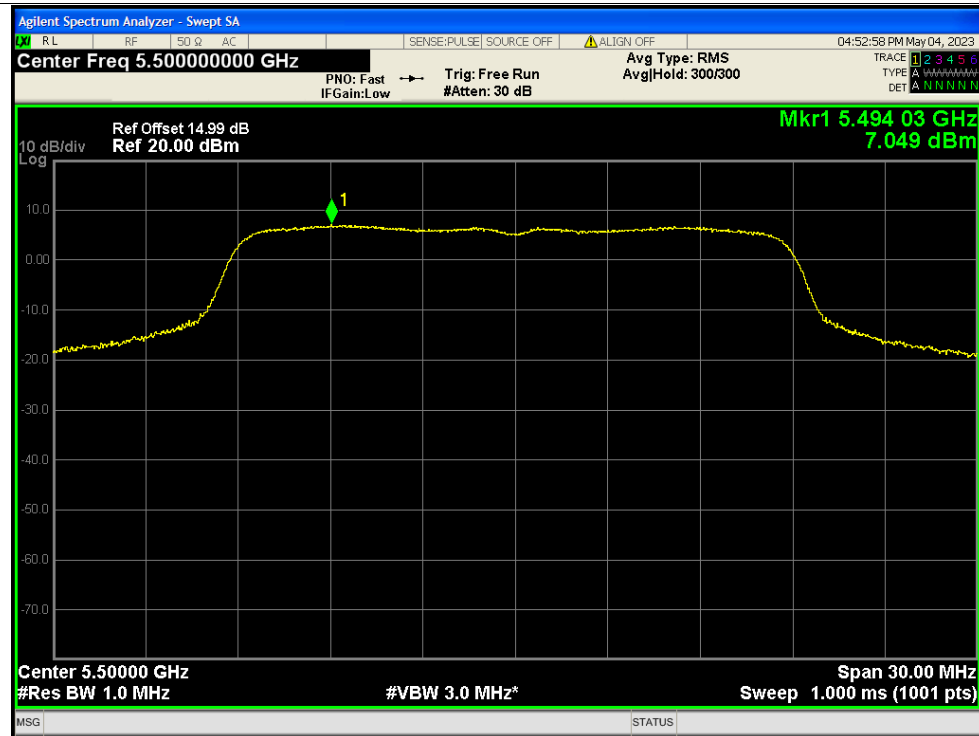


PSD NVNT n20 5320MHz Ant1

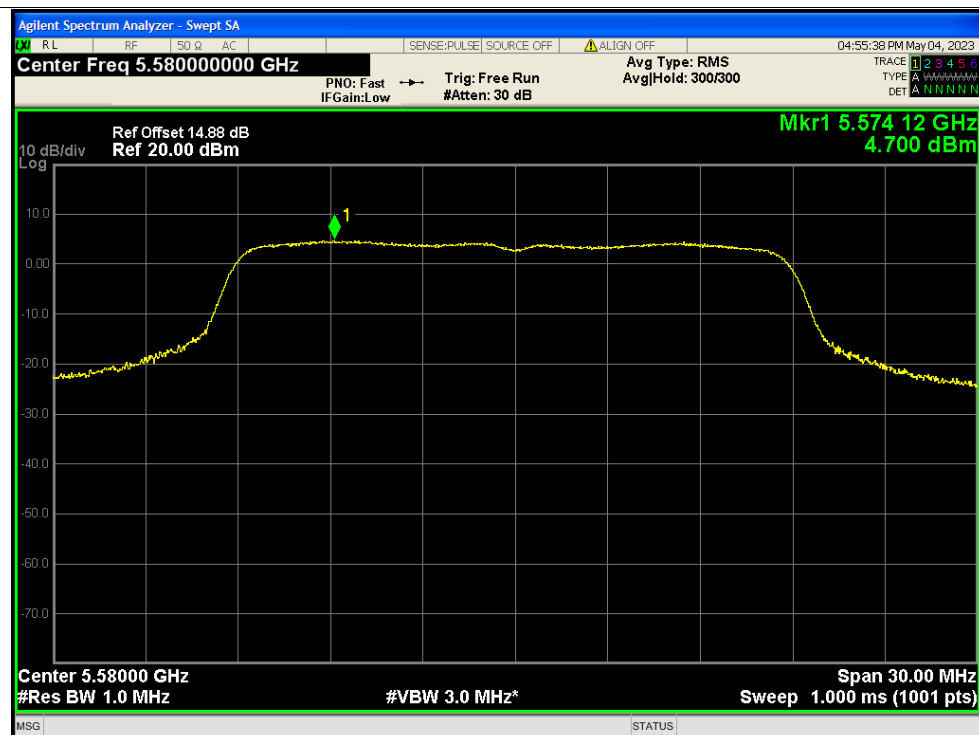




PSD NVNT n20 5500MHz Ant1

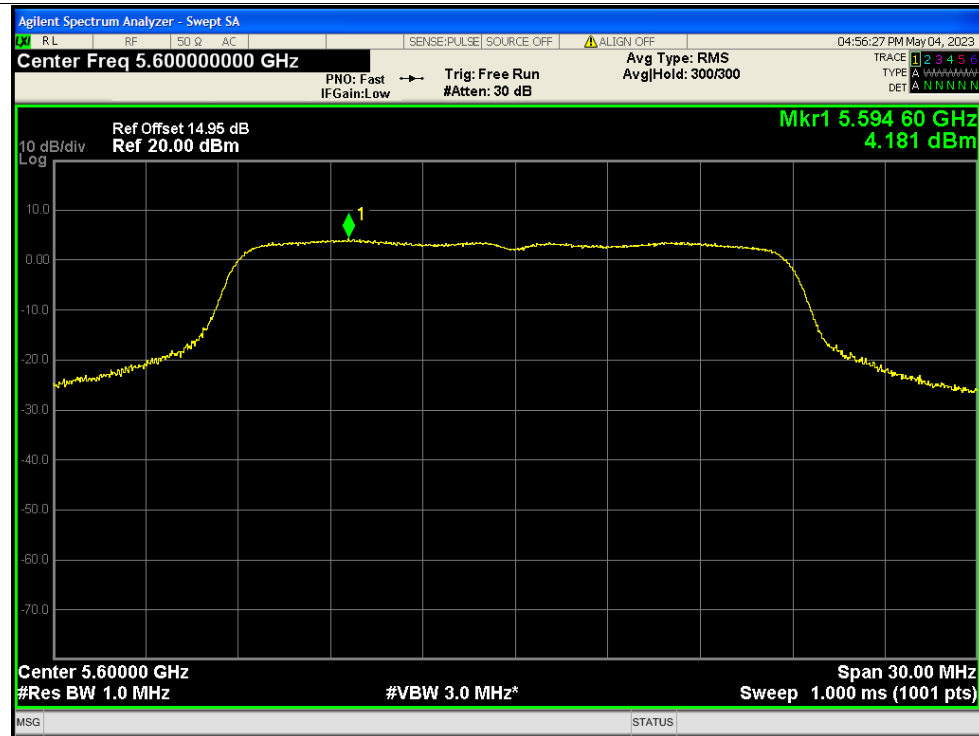


PSD NVNT n20 5580MHz Ant1

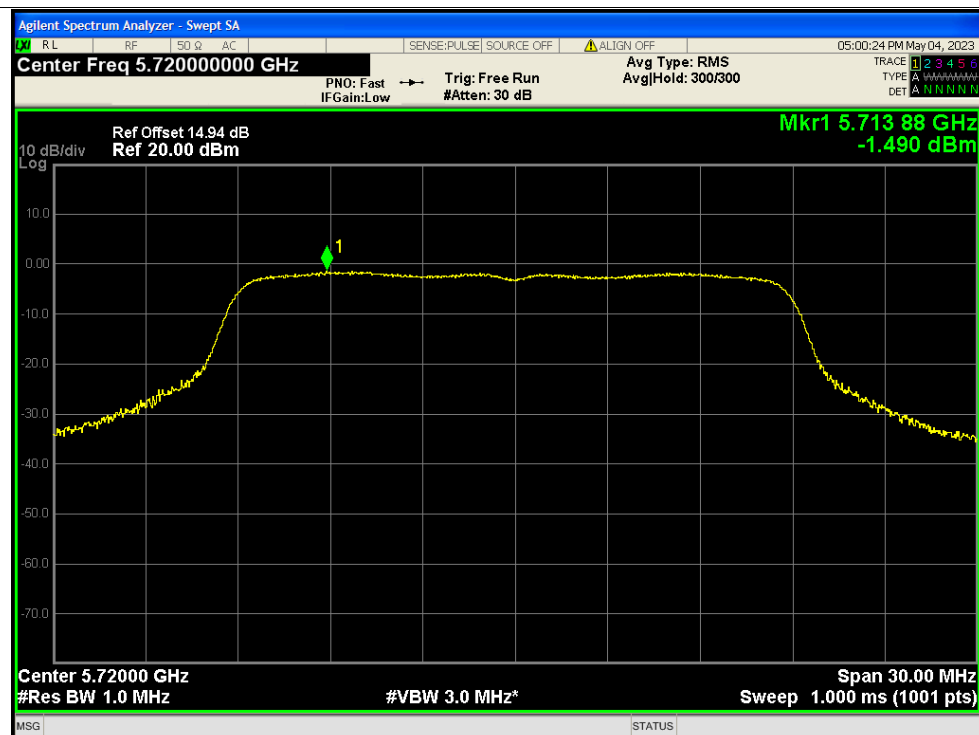




PSD NVNT n20 5600MHz Ant1

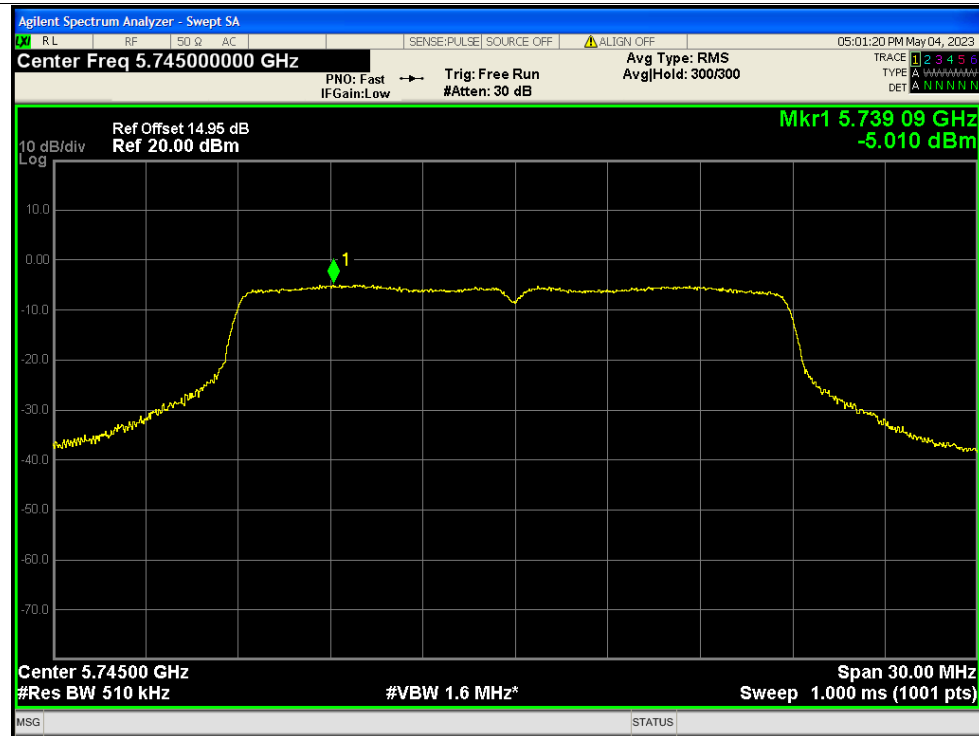


PSD NVNT n20 5720MHz Ant1

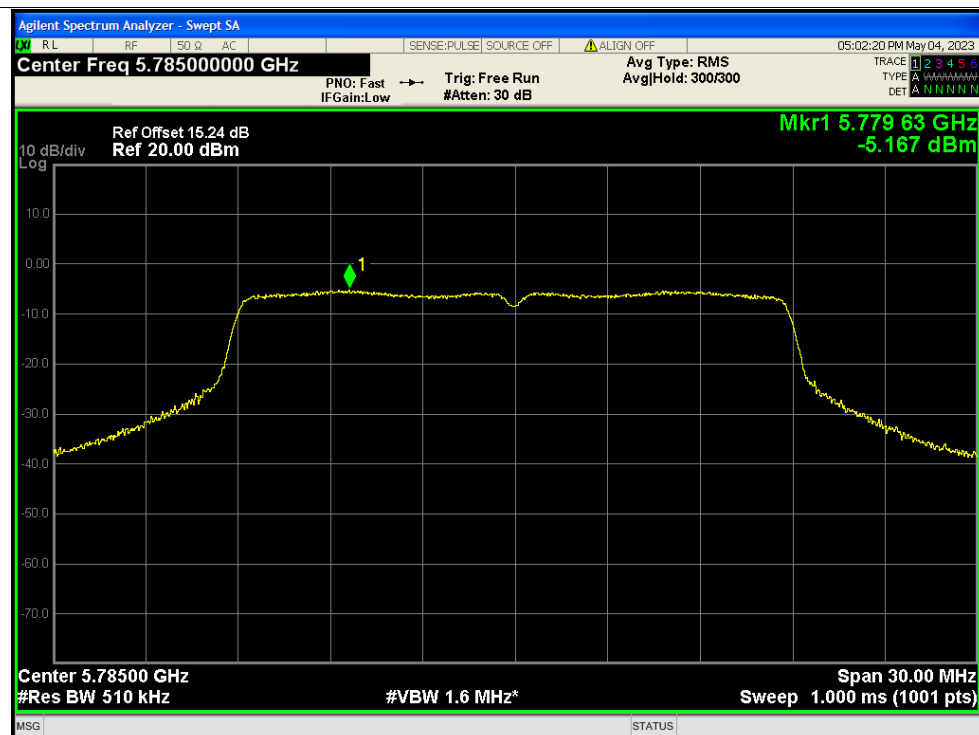




PSD NVNT n20 5745MHz Ant1

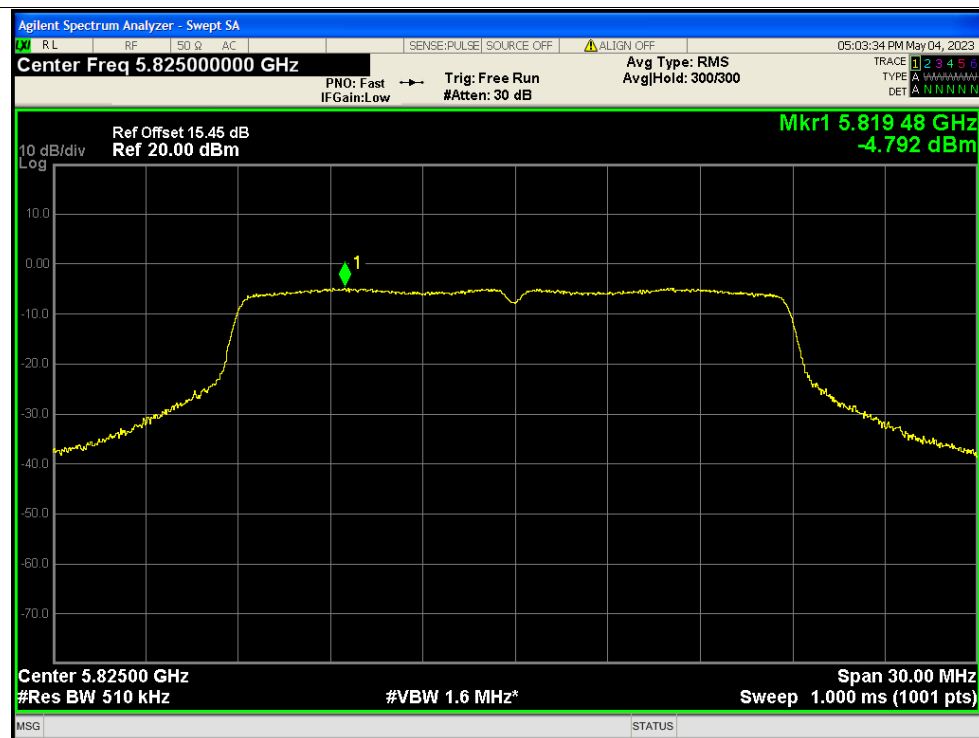


PSD NVNT n20 5785MHz Ant1

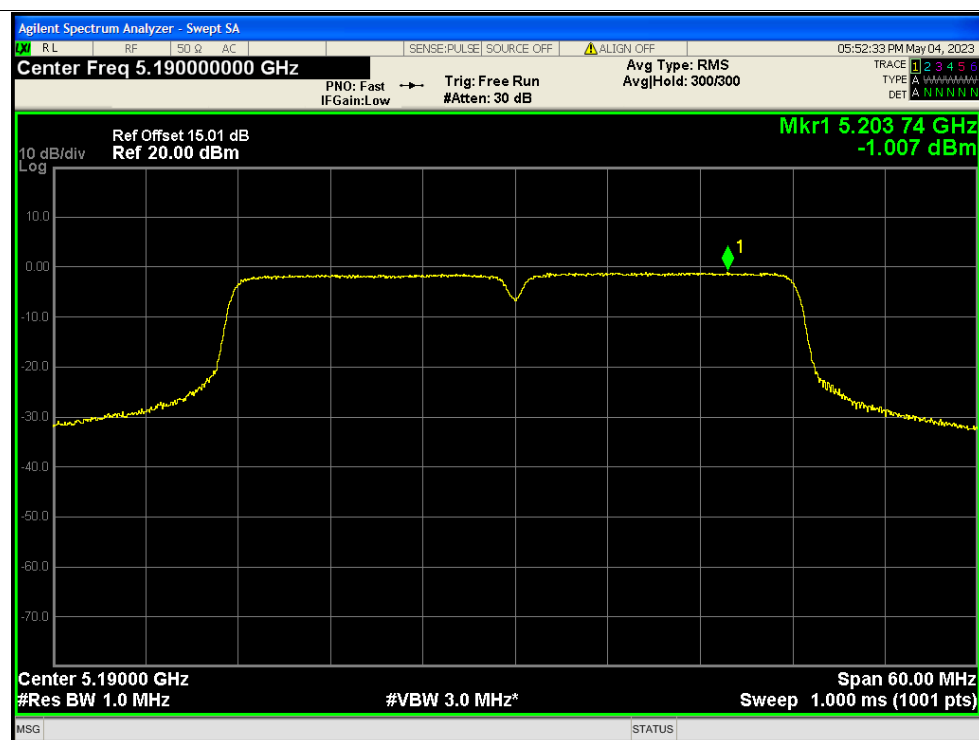




PSD NVNT n20 5825MHz Ant1

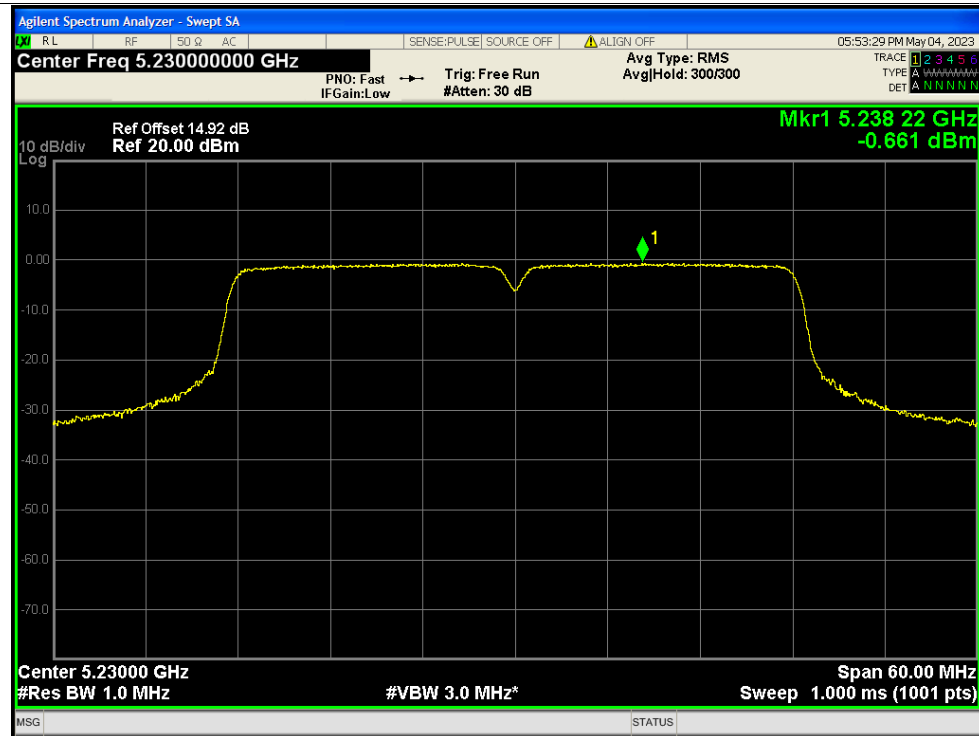


PSD NVNT n40 5190MHz Ant1

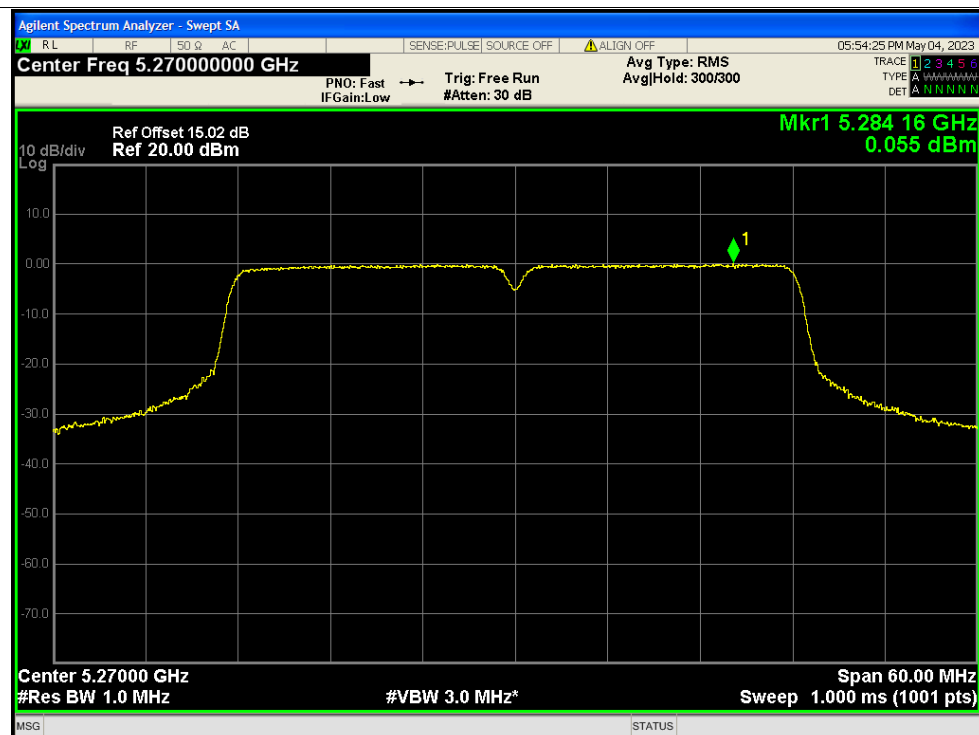




PSD NVNT n40 5230MHz Ant1

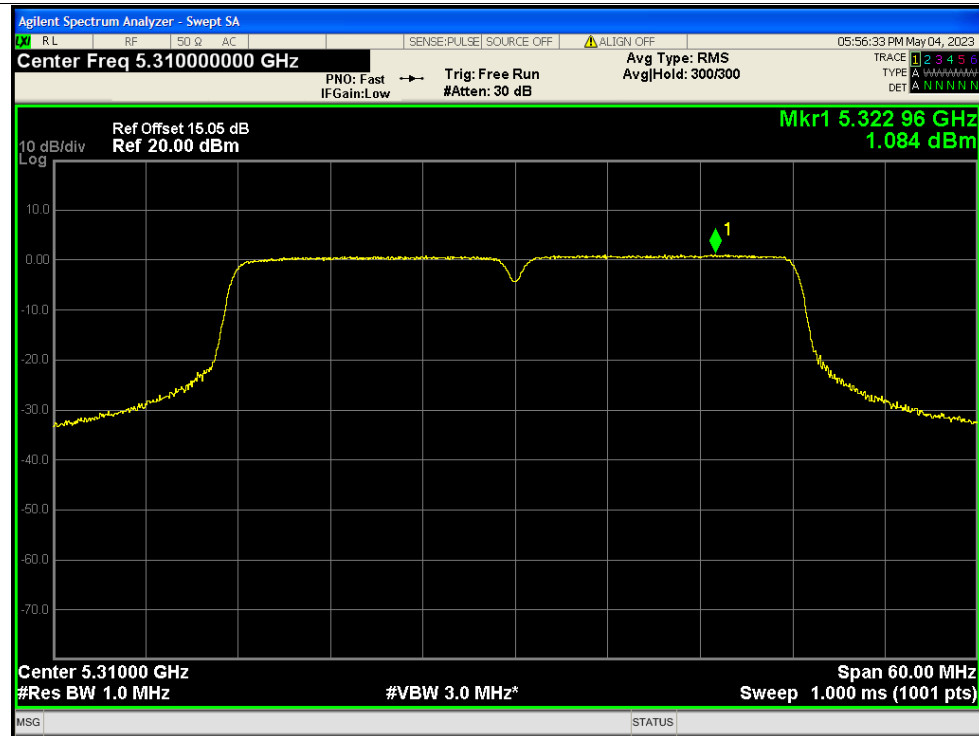


PSD NVNT n40 5270MHz Ant1

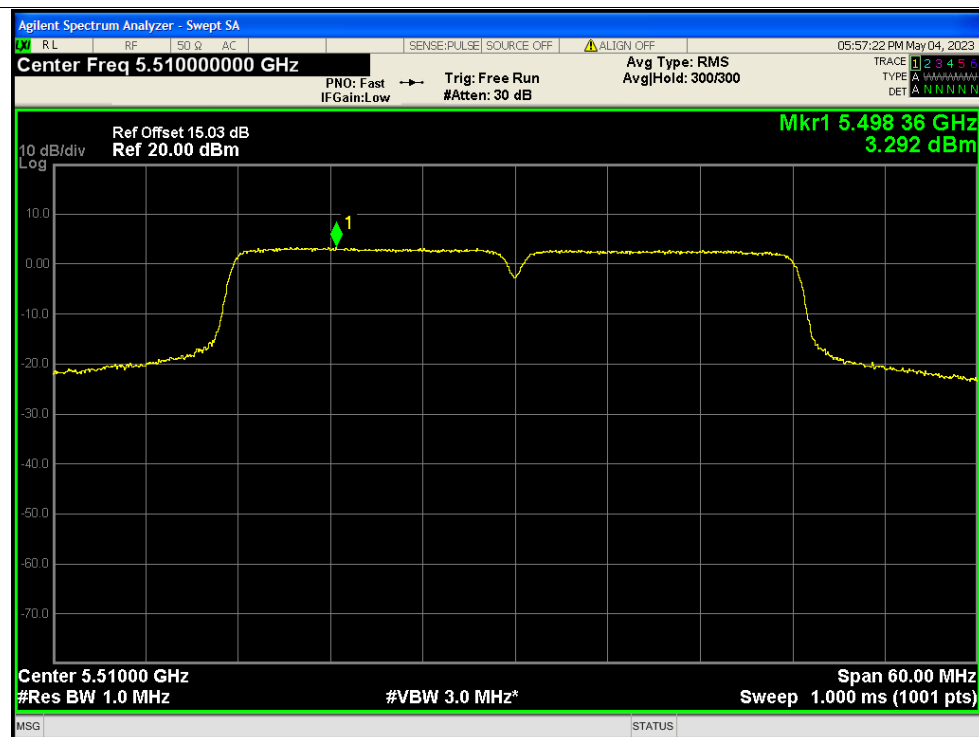




PSD NVNT n40 5310MHz Ant1

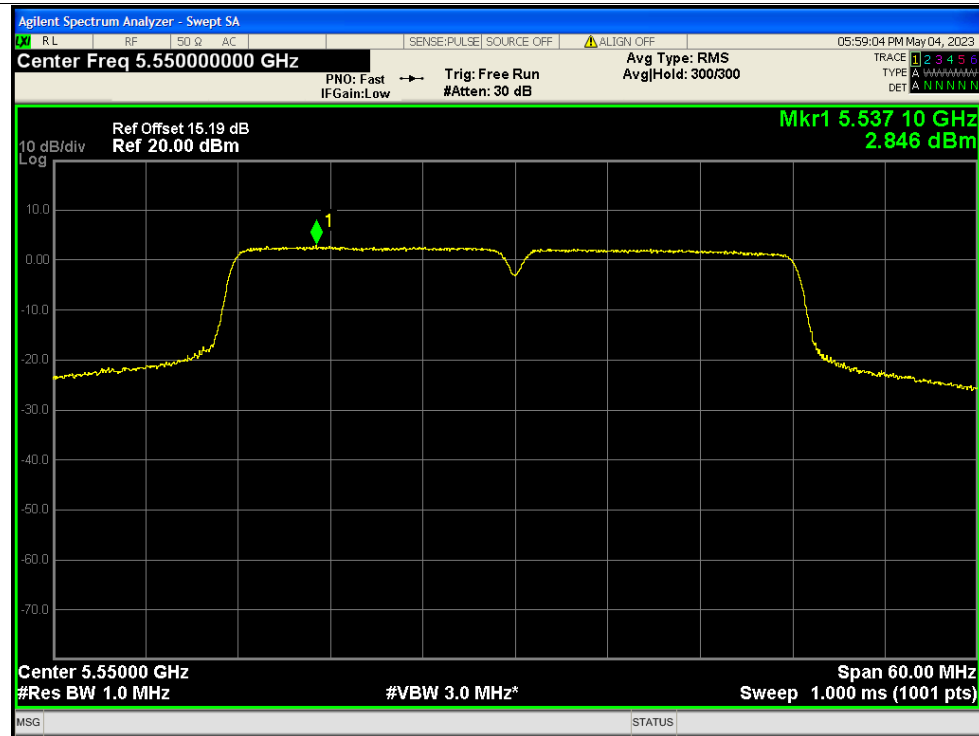


PSD NVNT n40 5510MHz Ant1

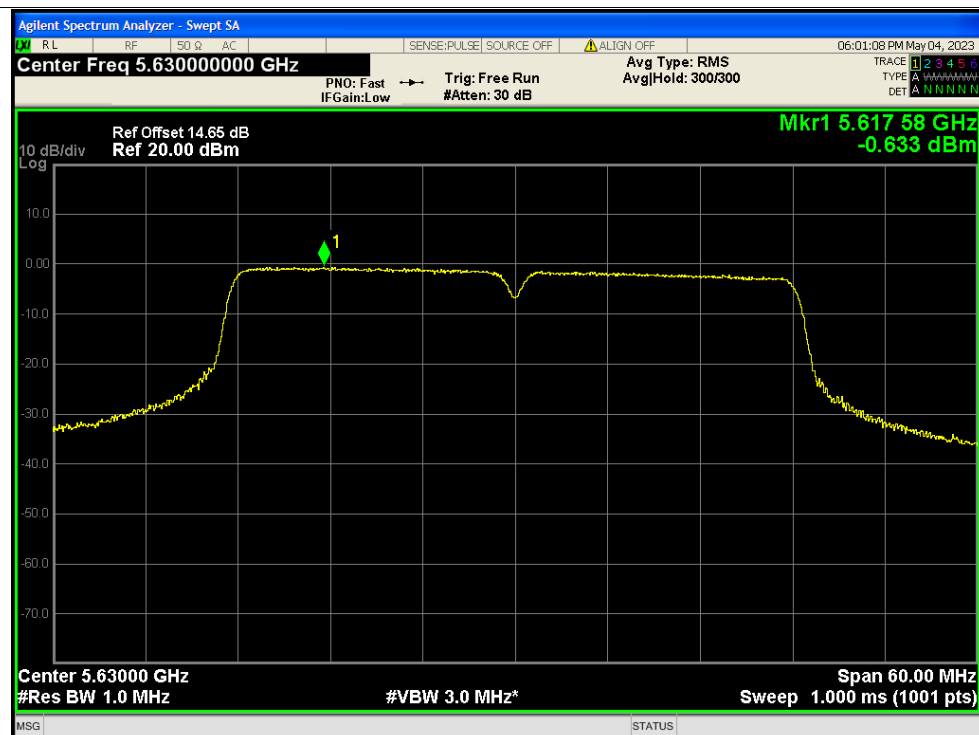


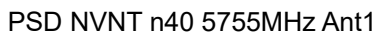


PSD NVNT n40 5550MHz Ant1



PSD NVNT n40 5630MHz Ant1

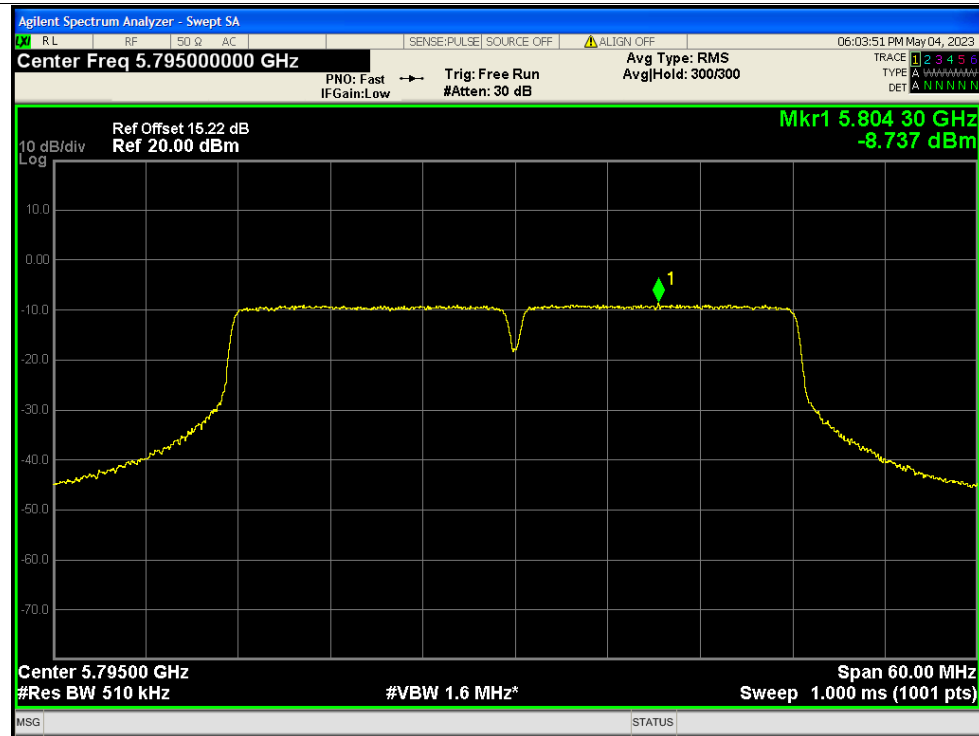




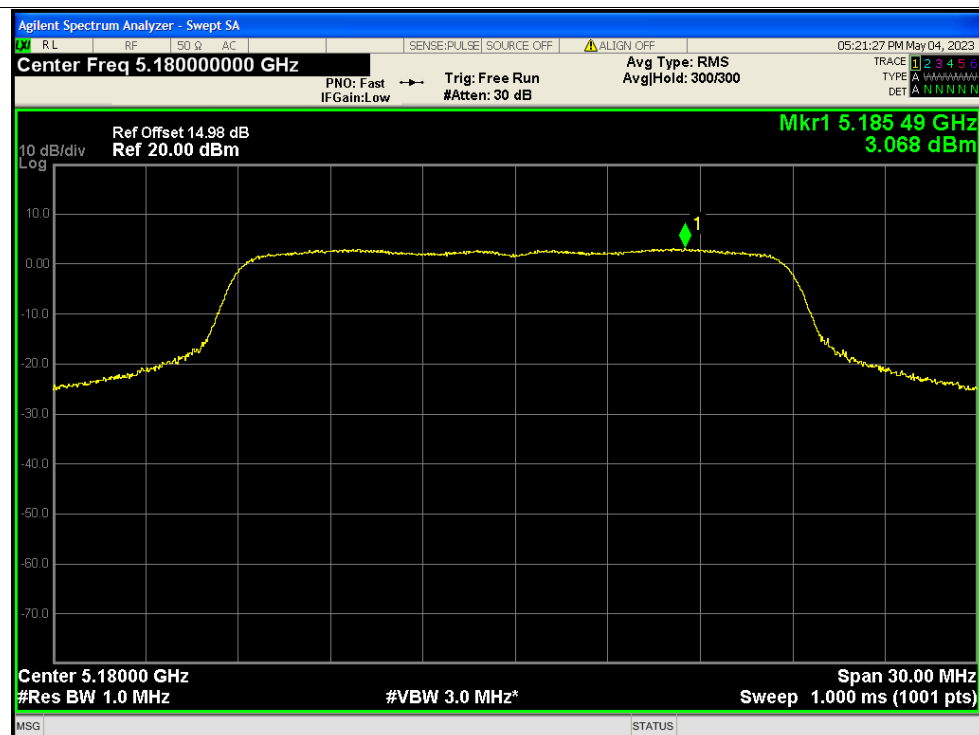
E-mail: service@morlab.cn



PSD NVNT n40 5795MHz Ant1

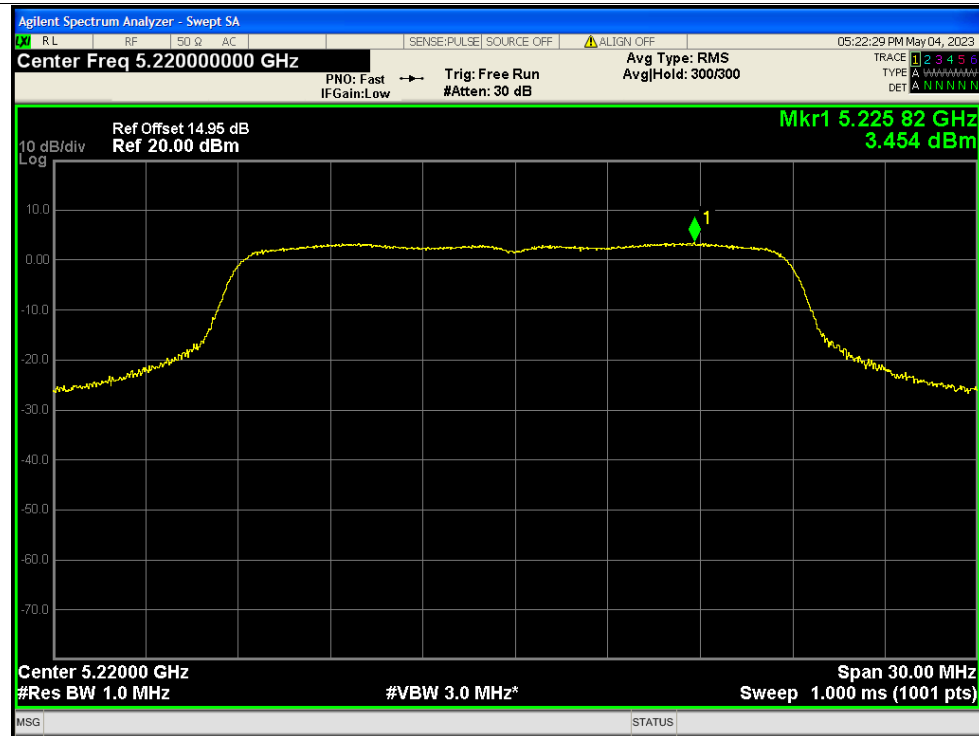


PSD NVNT ac20 5180MHz Ant1

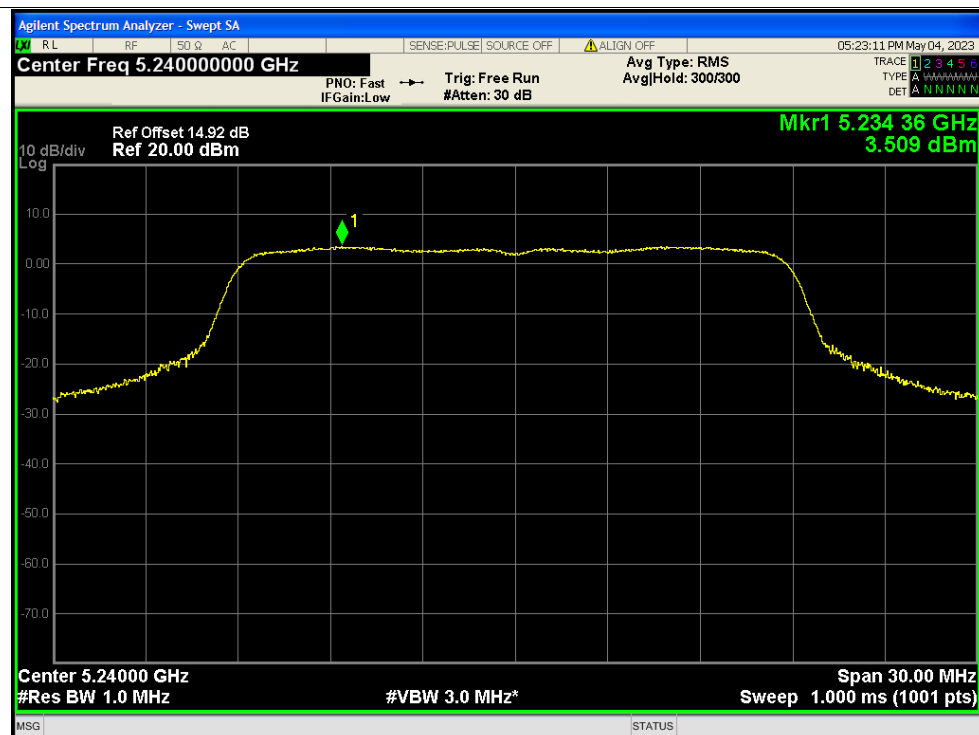




PSD NVNT ac20 5220MHz Ant1

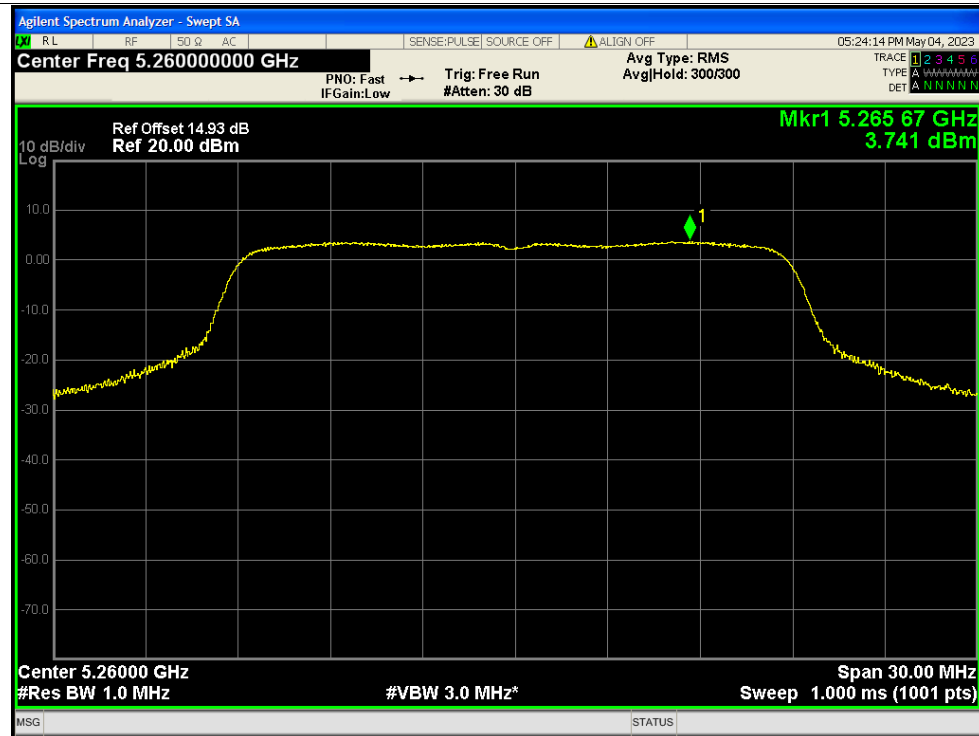


PSD NVNT ac20 5240MHz Ant1

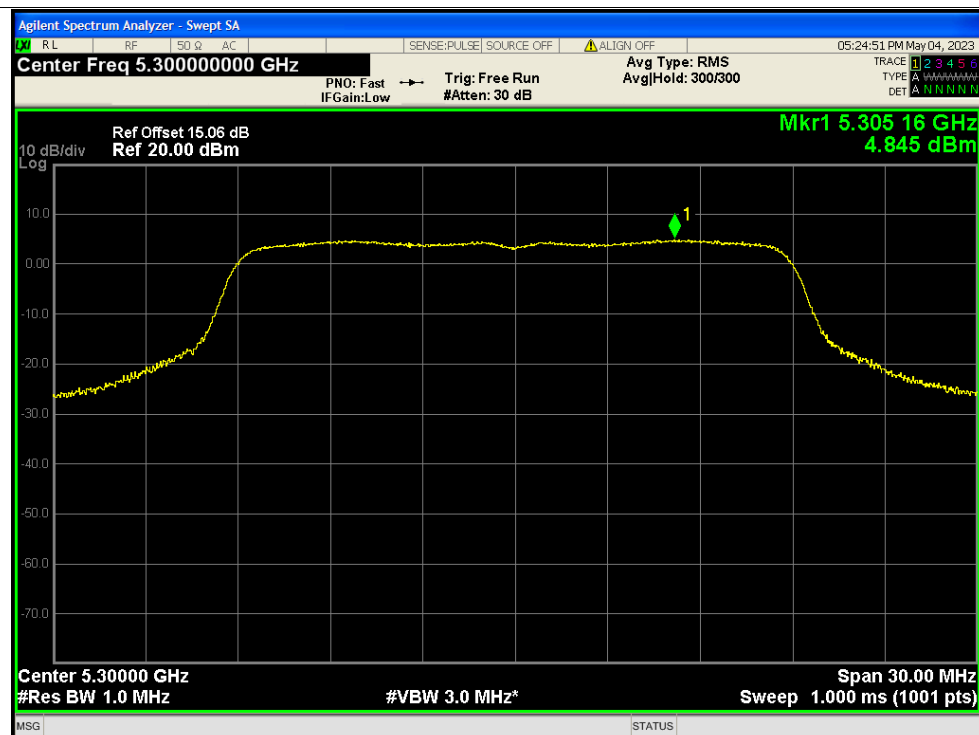




PSD NVNT ac20 5260MHz Ant1

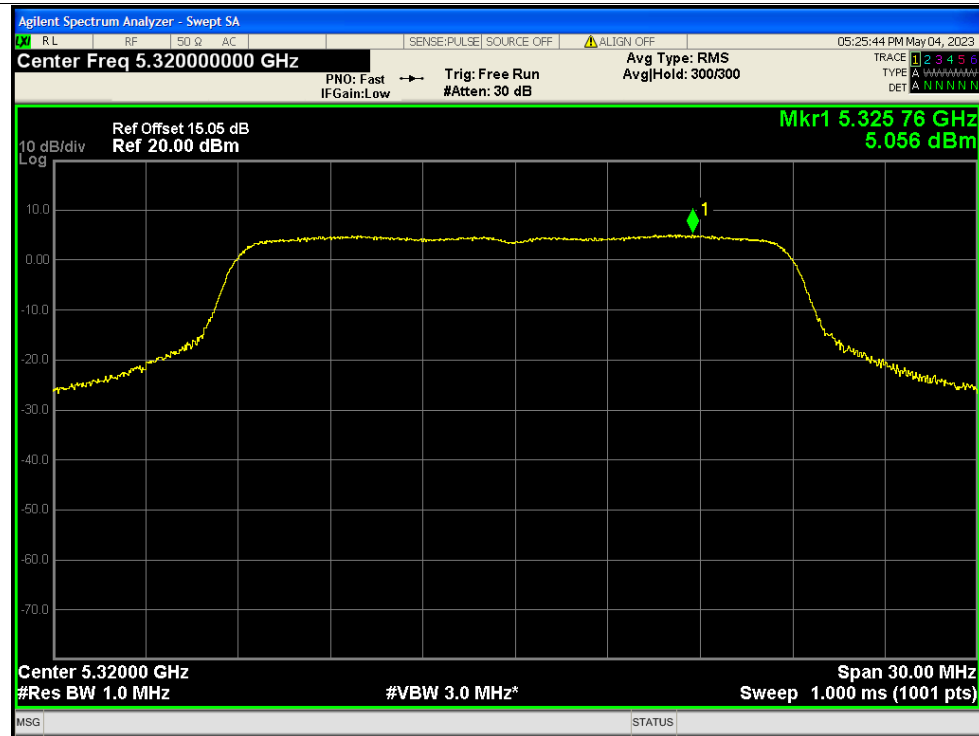


PSD NVNT ac20 5300MHz Ant1

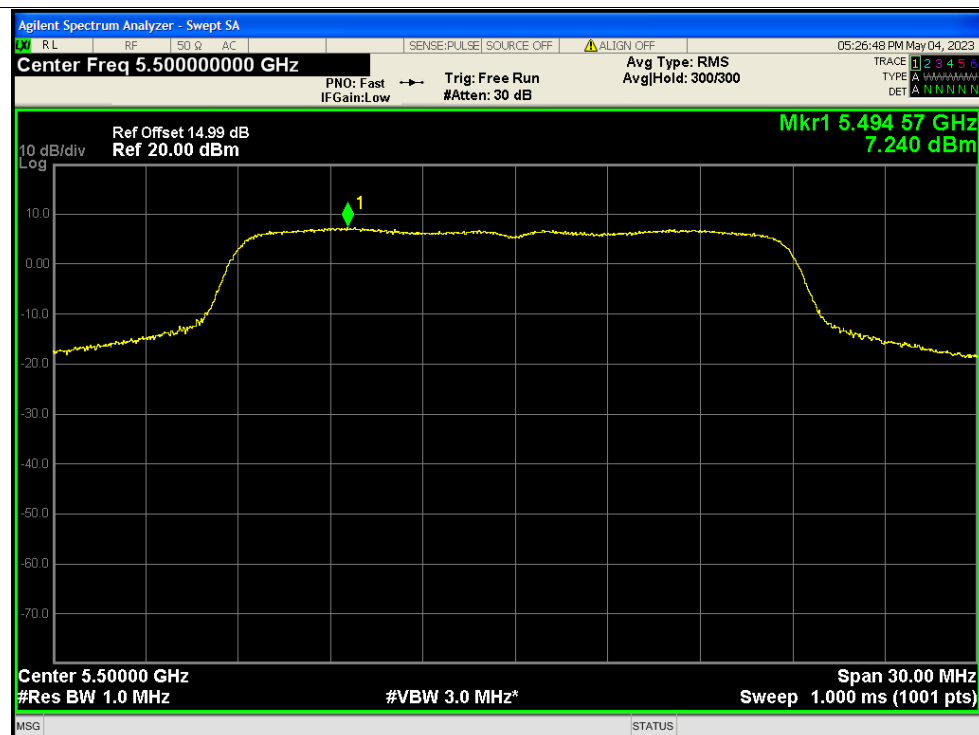




PSD NVNT ac20 5320MHz Ant1

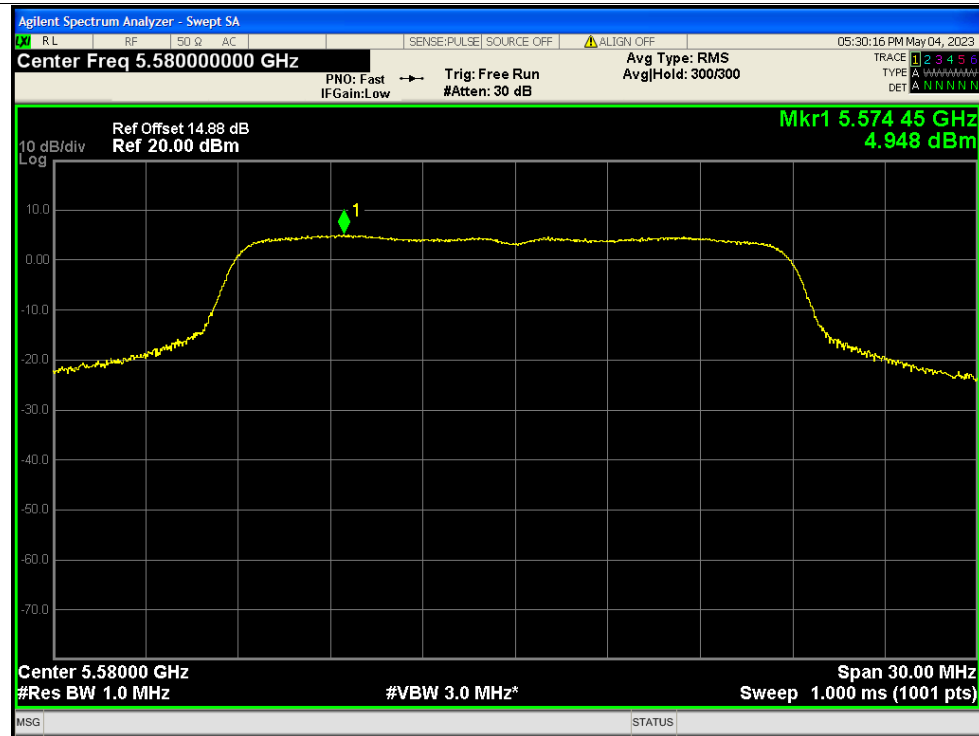


PSD NVNT ac20 5500MHz Ant1

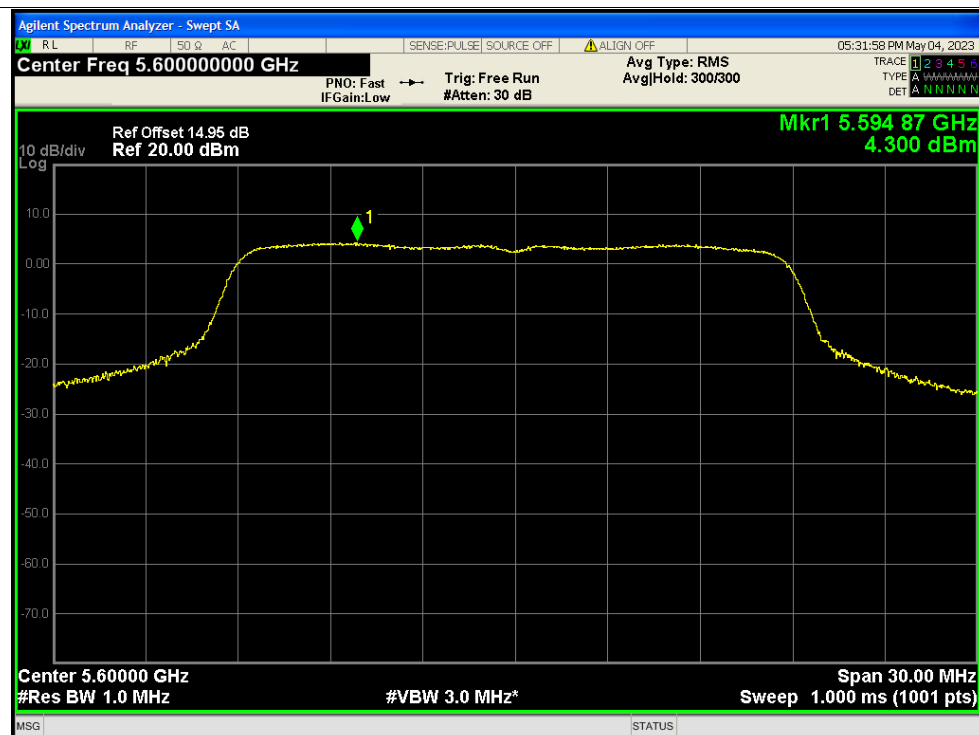




PSD NVNT ac20 5580MHz Ant1

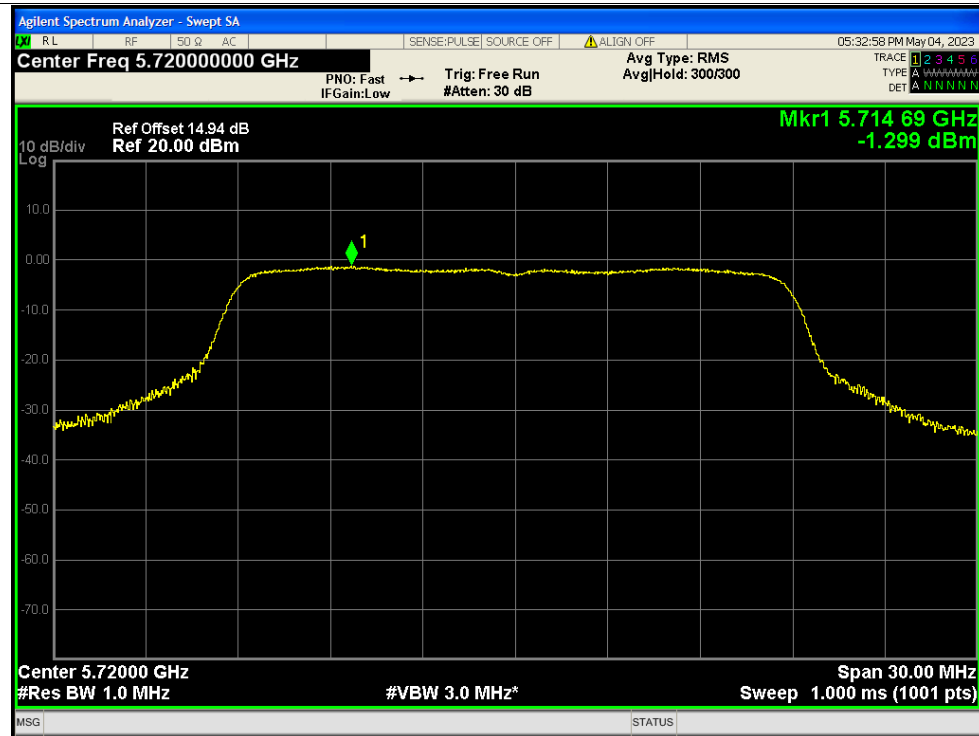


PSD NVNT ac20 5600MHz Ant1

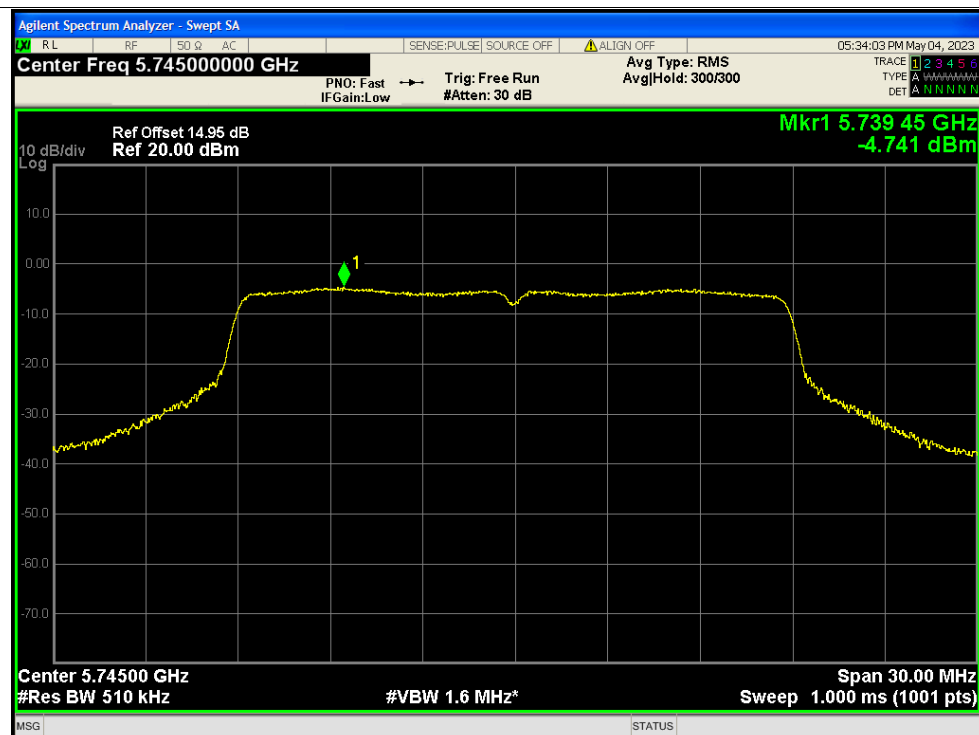




PSD NVNT ac20 5720MHz Ant1

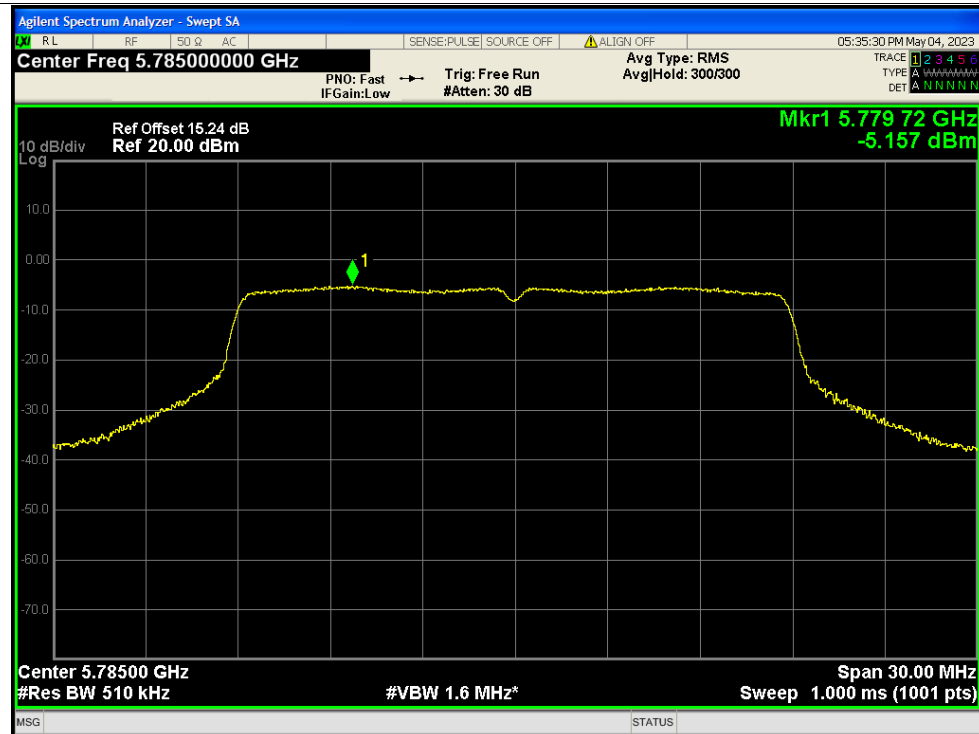


PSD NVNT ac20 5745MHz Ant1

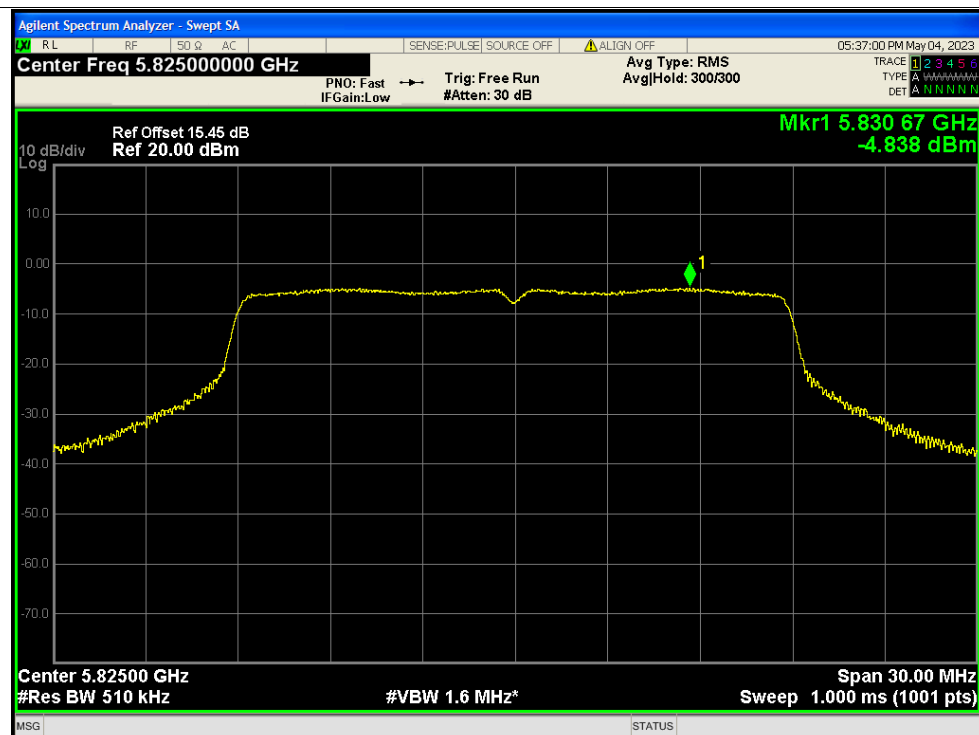




PSD NVNT ac20 5785MHz Ant1

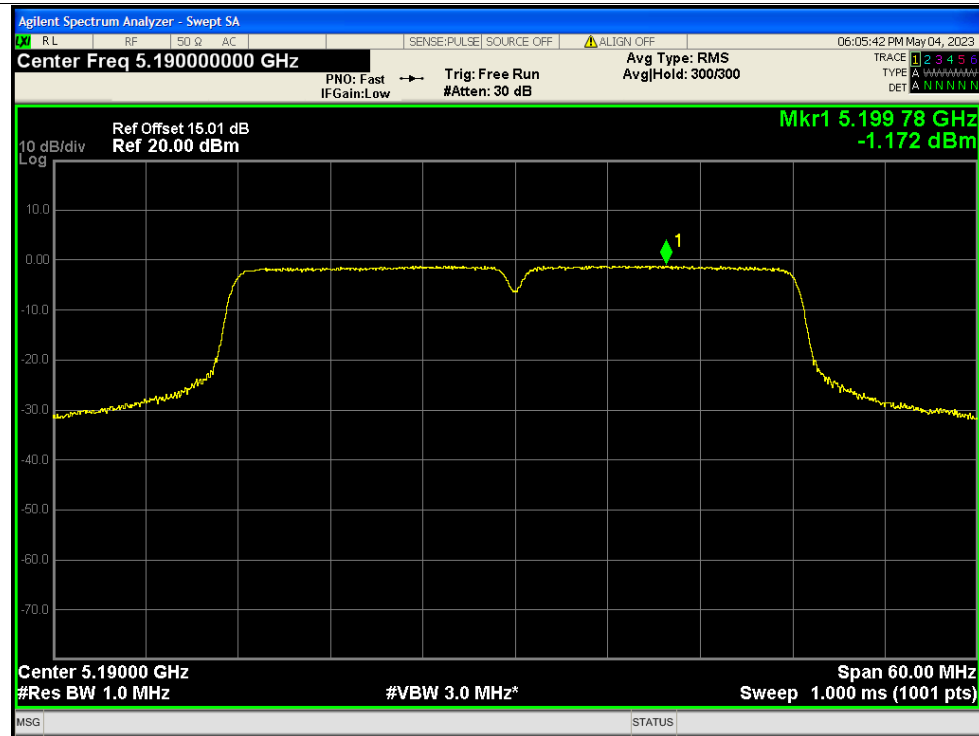


PSD NVNT ac20 5825MHz Ant1

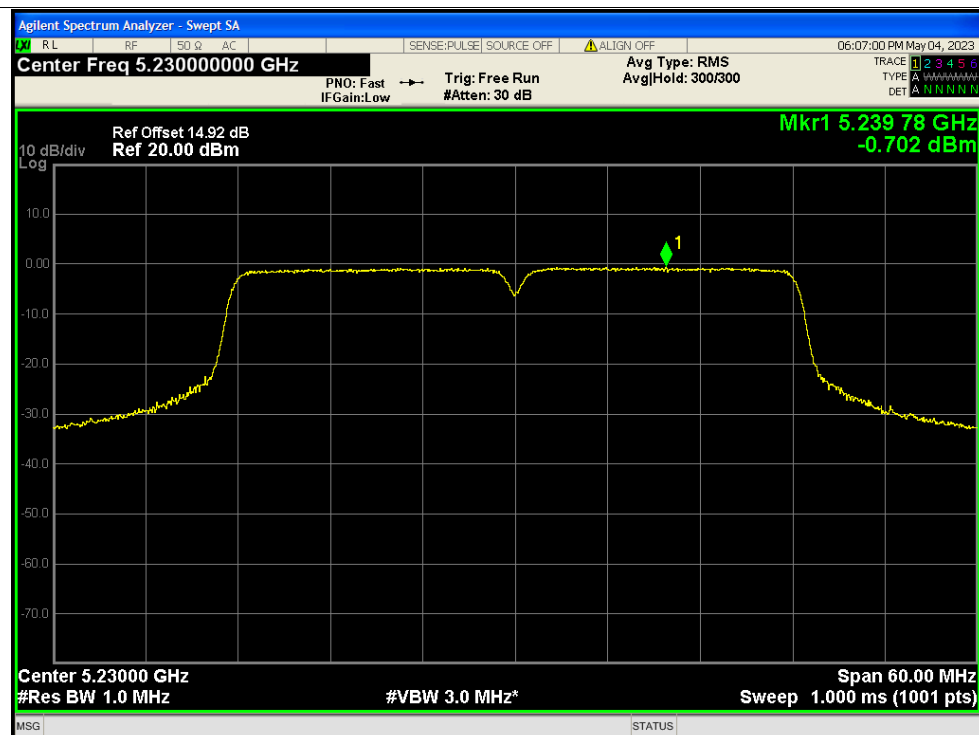




PSD NVNT ac40 5190MHz Ant1

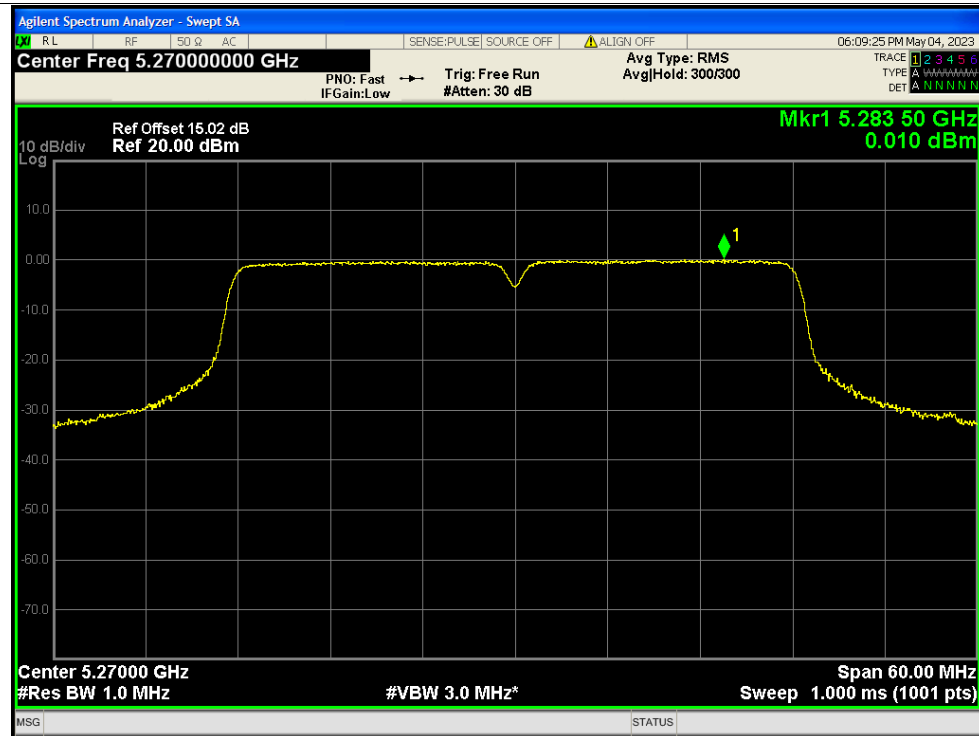


PSD NVNT ac40 5230MHz Ant1

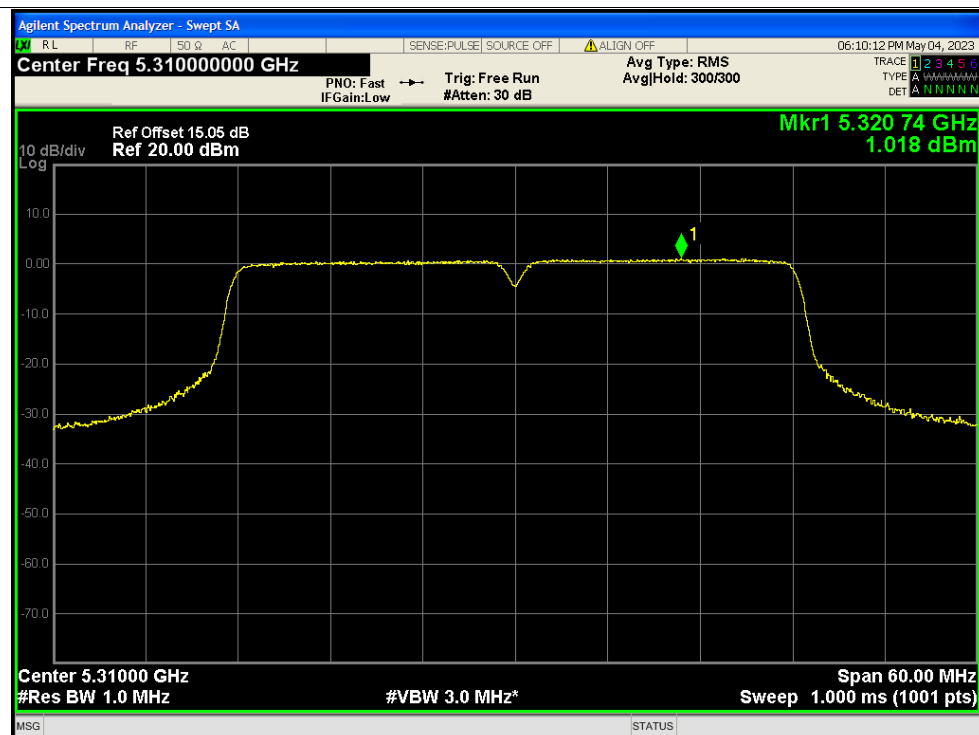




PSD NVNT ac40 5270MHz Ant1

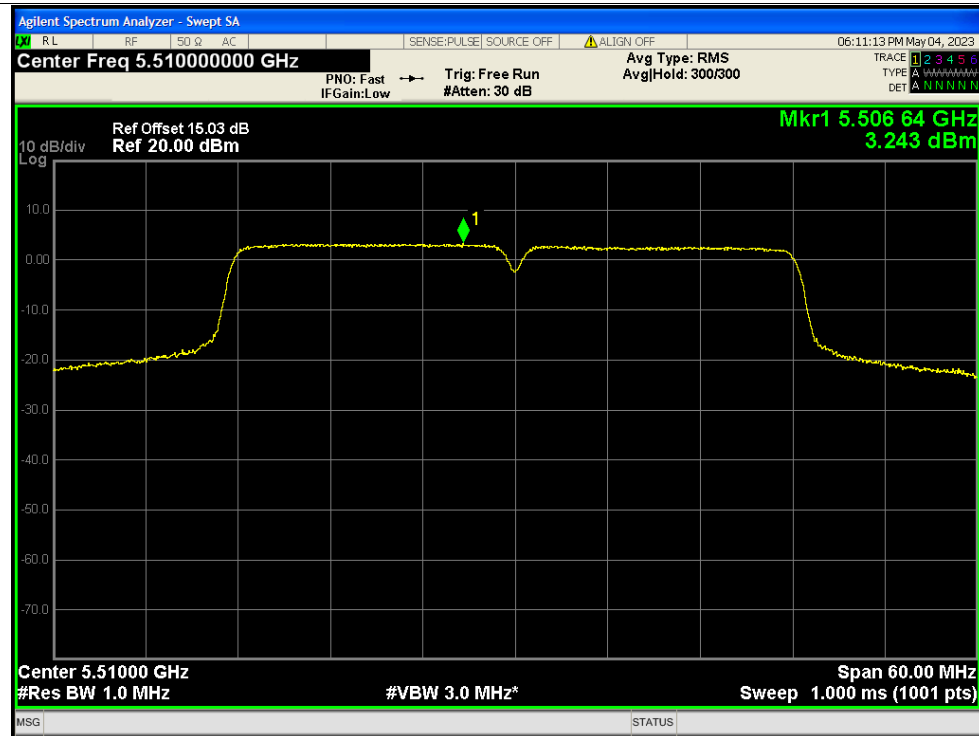


PSD NVNT ac40 5310MHz Ant1

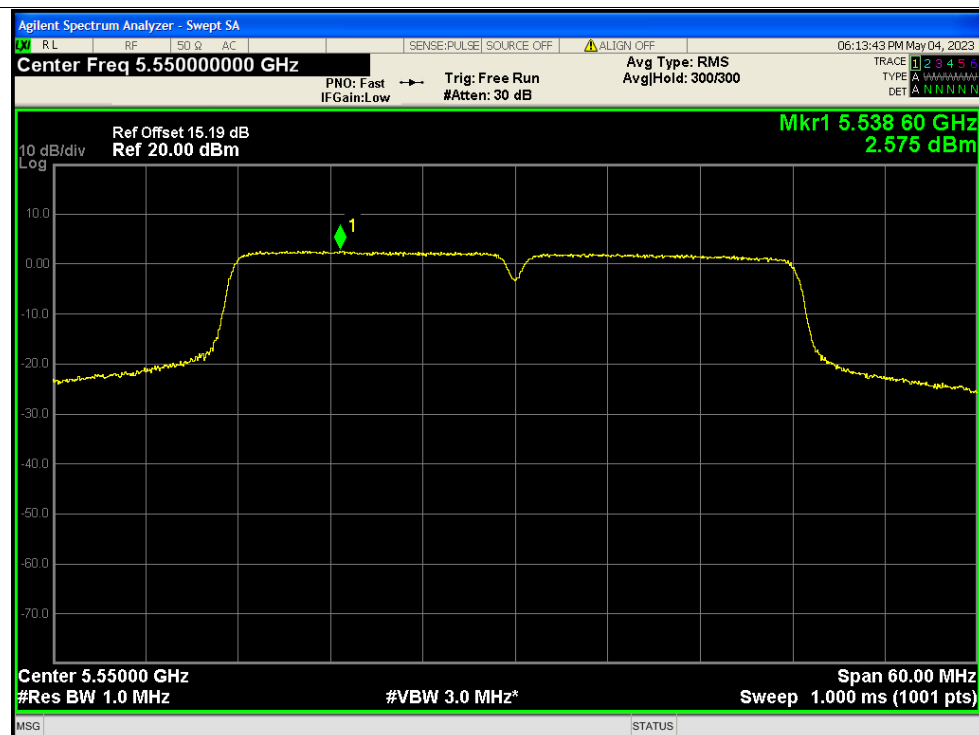




PSD NVNT ac40 5510MHz Ant1

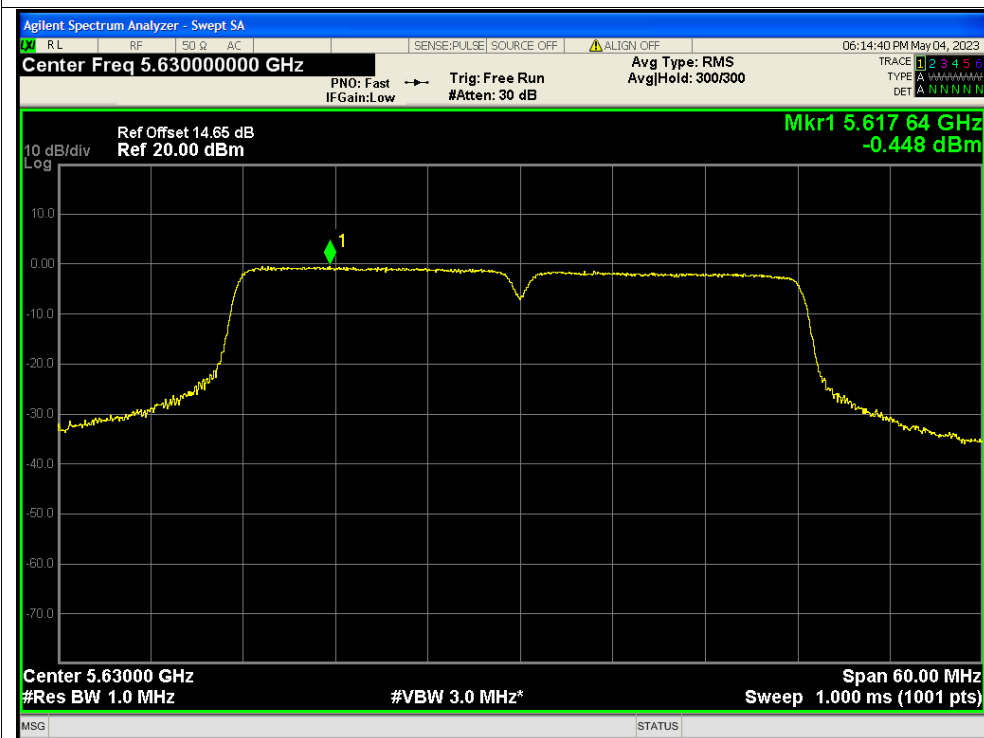


PSD NVNT ac40 5550MHz Ant1

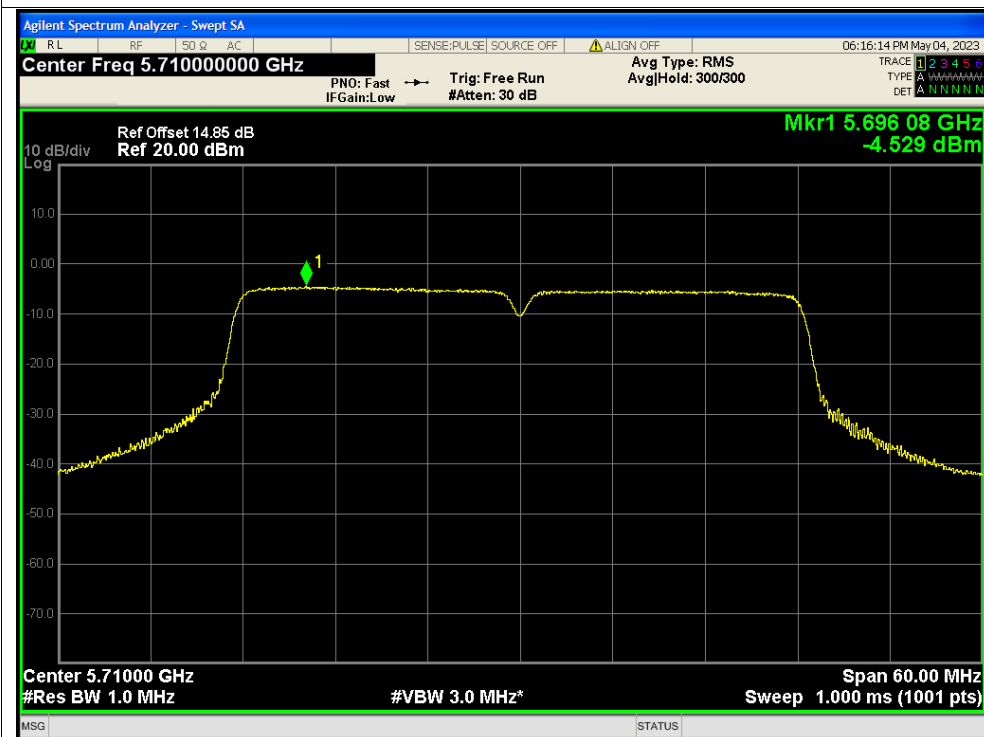




PSD NVNT ac40 5630MHz Ant1

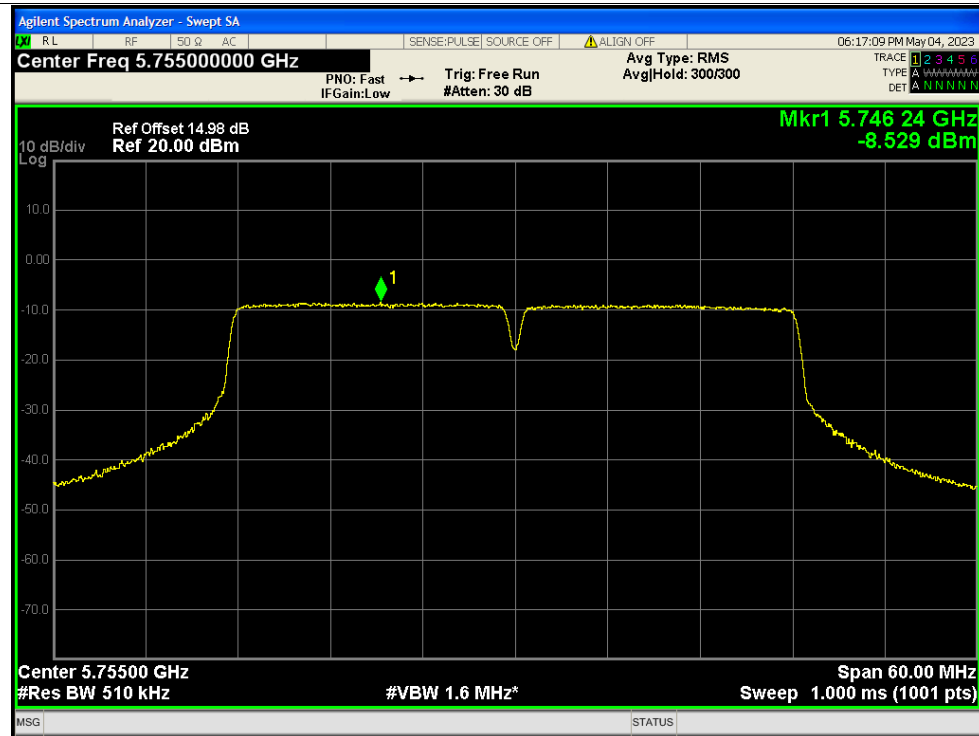


PSD NVNT ac40 5710MHz Ant1

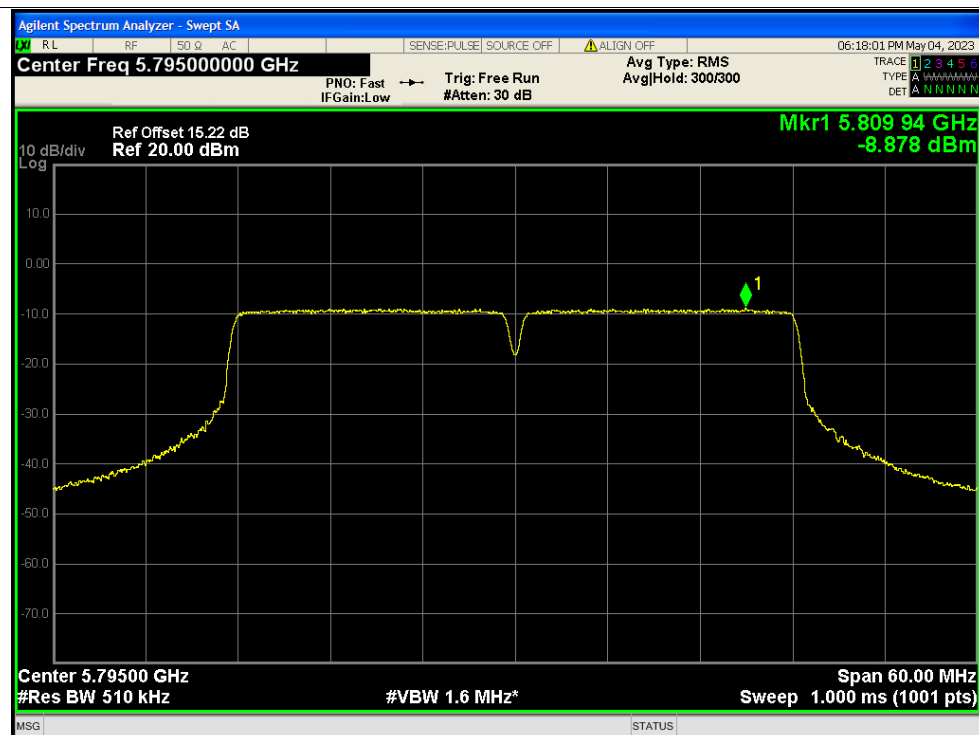




PSD NVNT ac40 5755MHz Ant1

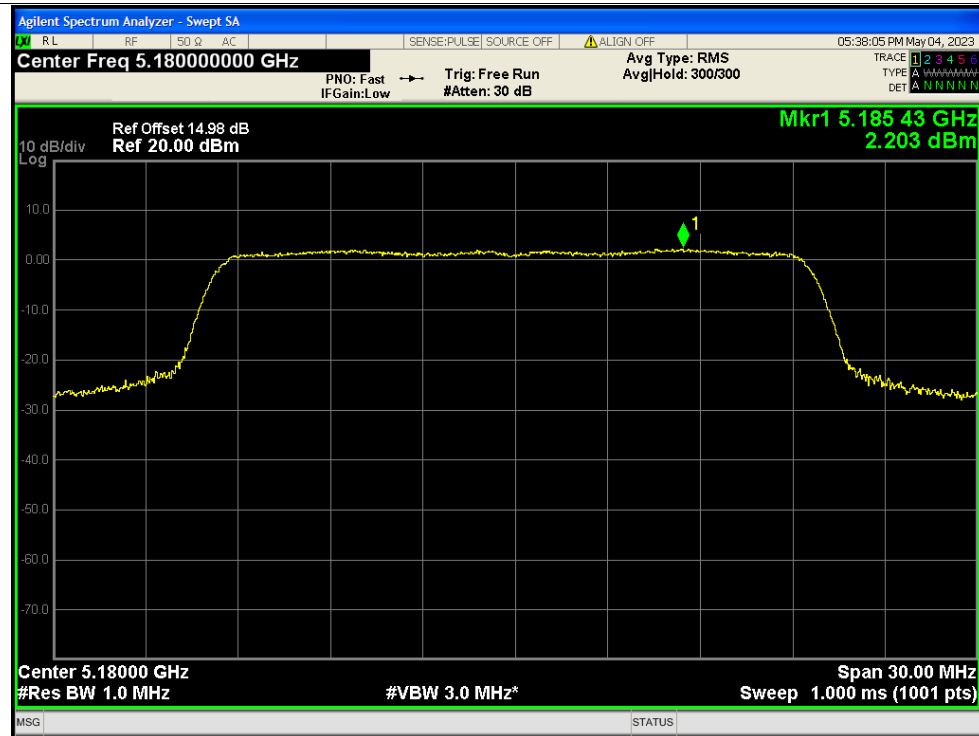


PSD NVNT ac40 5795MHz Ant1

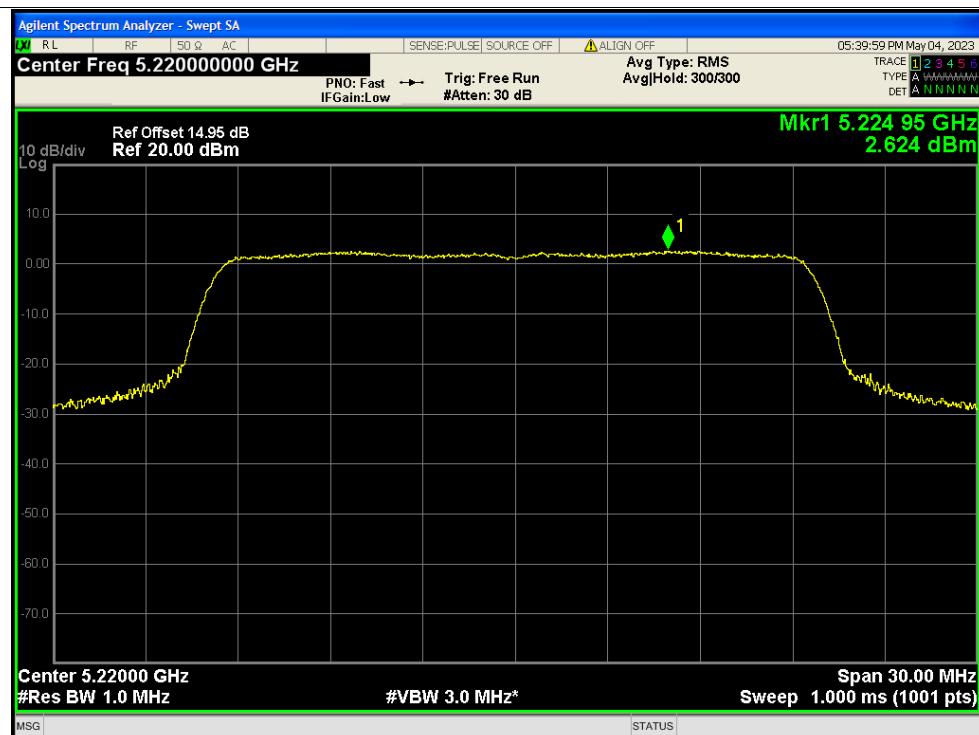




PSD NVNT ax20 5180MHz Ant1

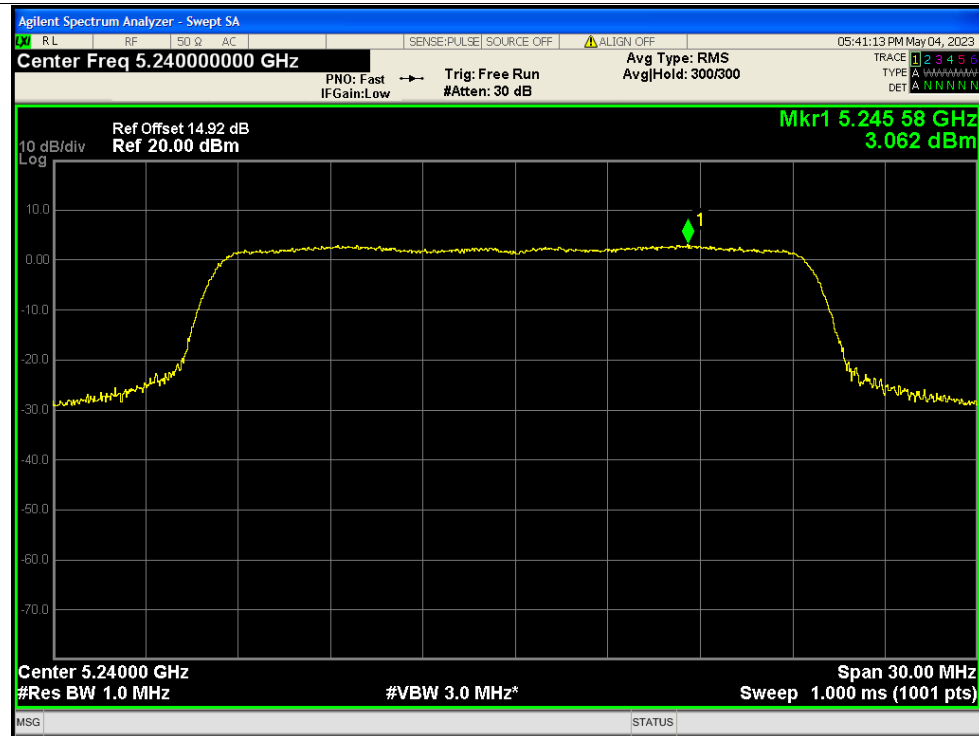


PSD NVNT ax20 5220MHz Ant1

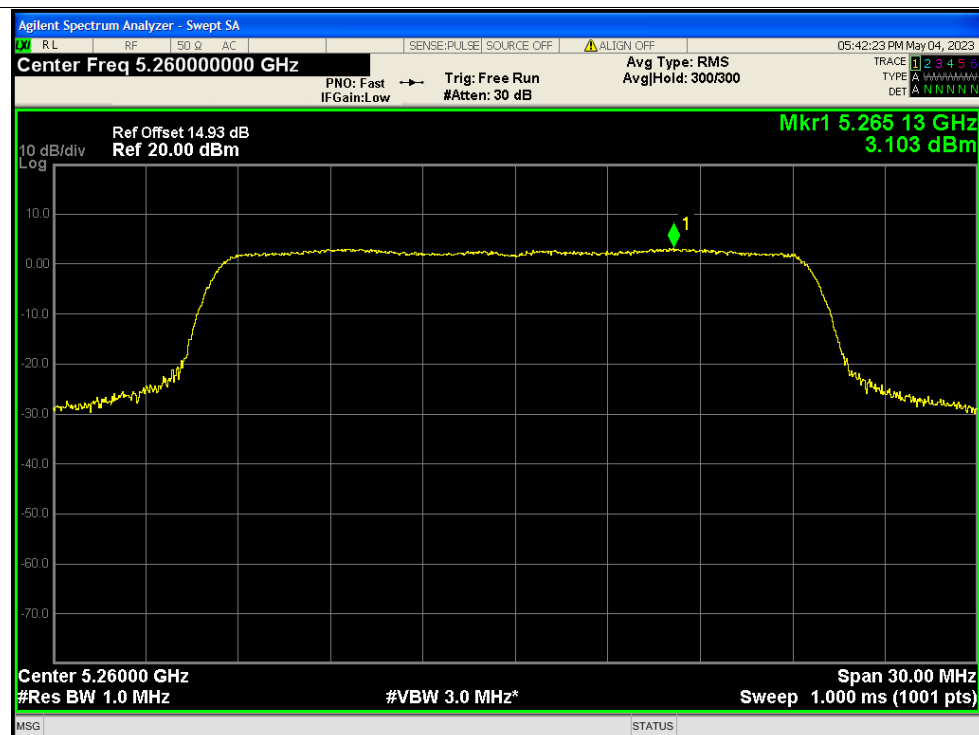




PSD NVNT ax20 5240MHz Ant1

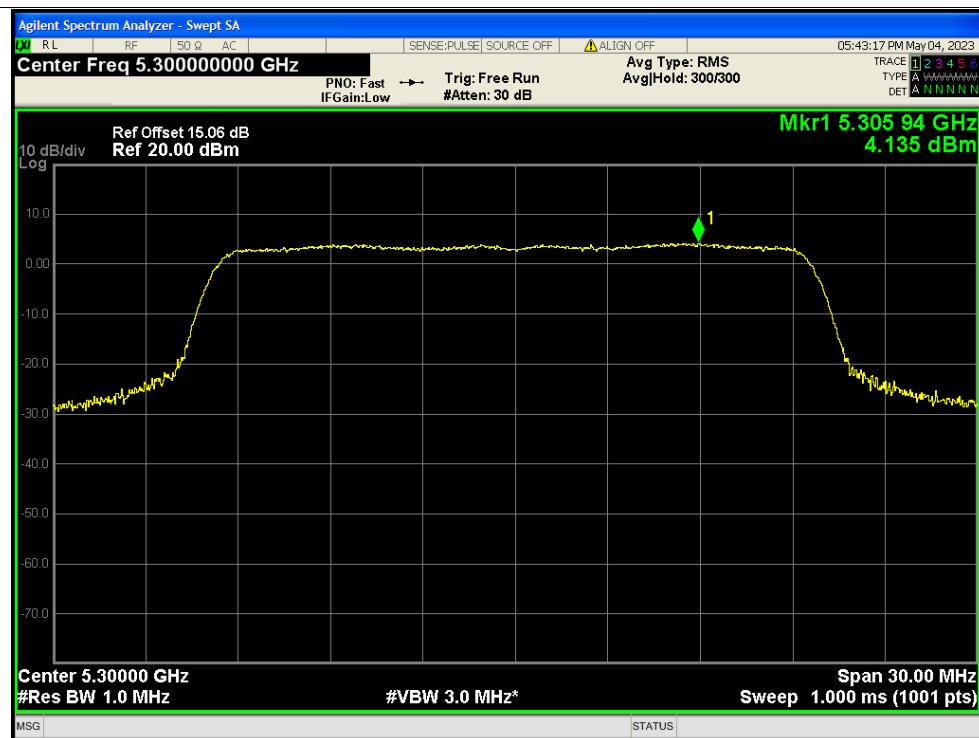


PSD NVNT ax20 5260MHz Ant1

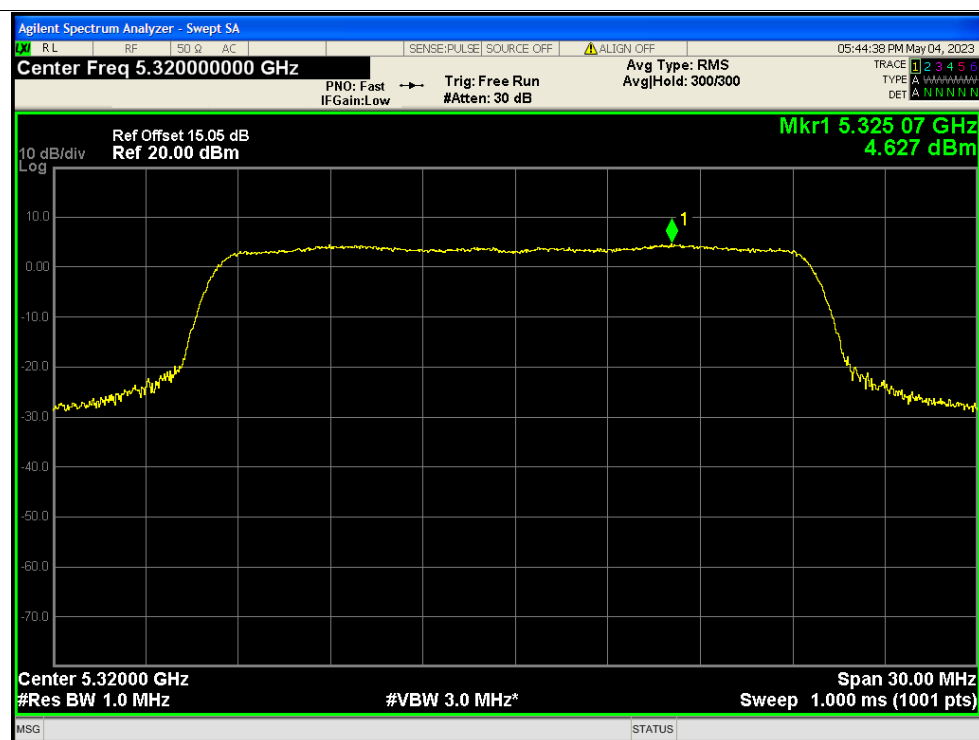




PSD NVNT ax20 5300MHz Ant1

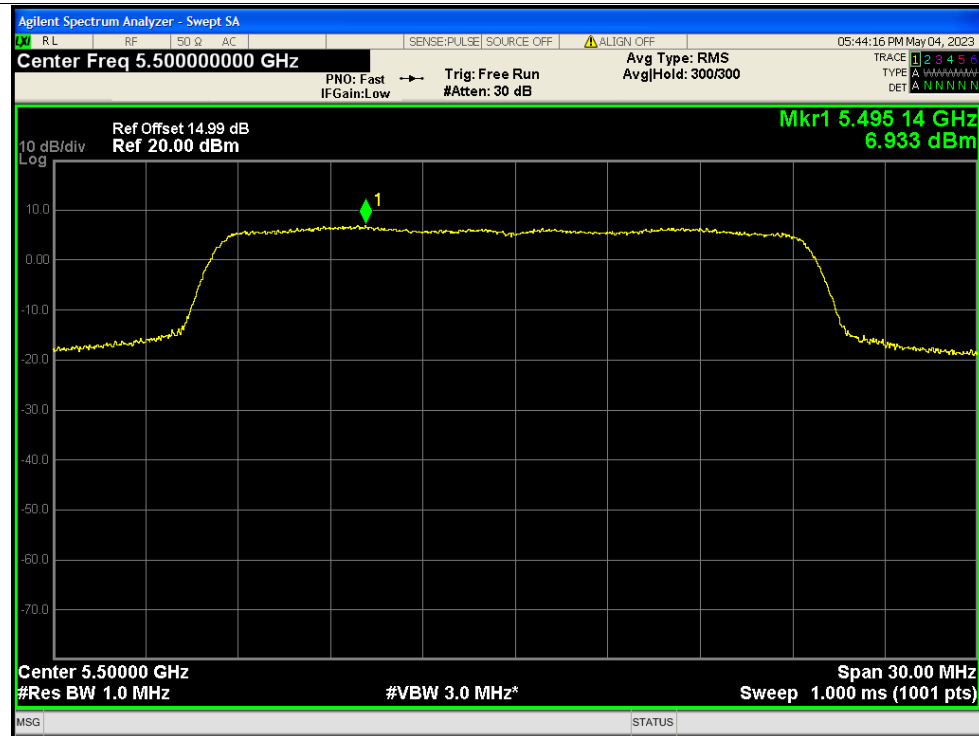


PSD NVNT ax20 5320MHz Ant1

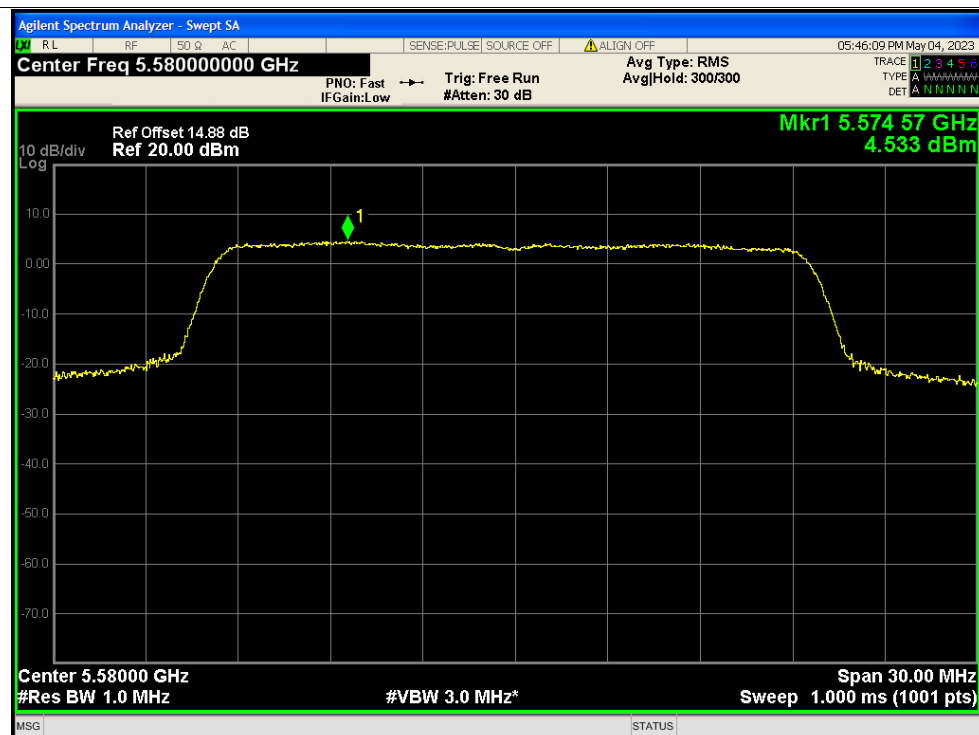




PSD NVNT ax20 5500MHz Ant1

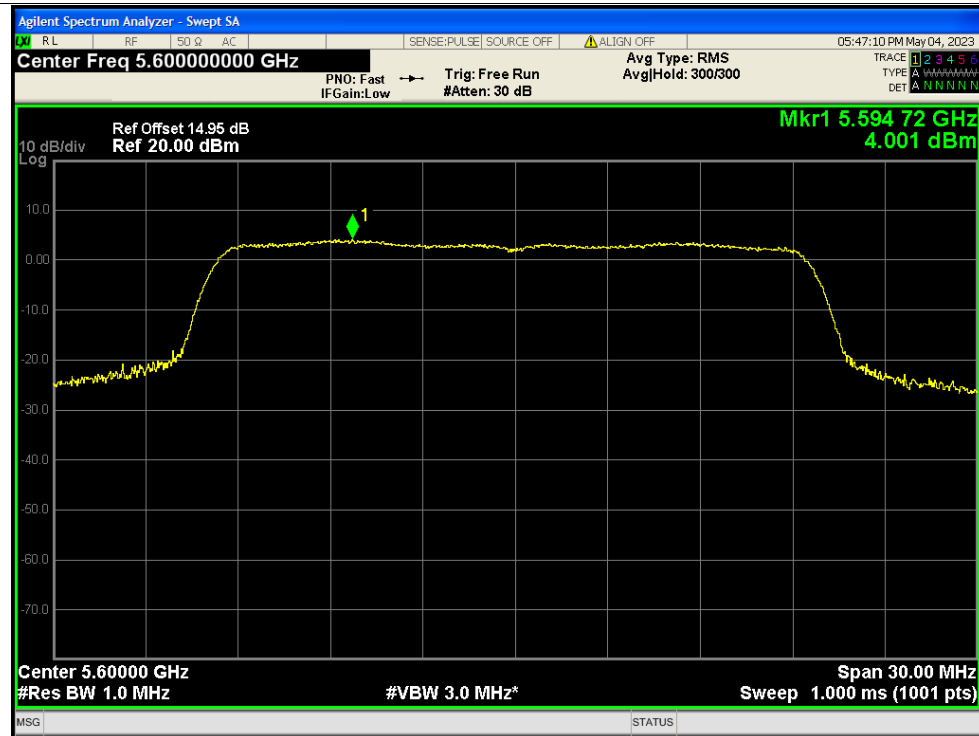


PSD NVNT ax20 5580MHz Ant1

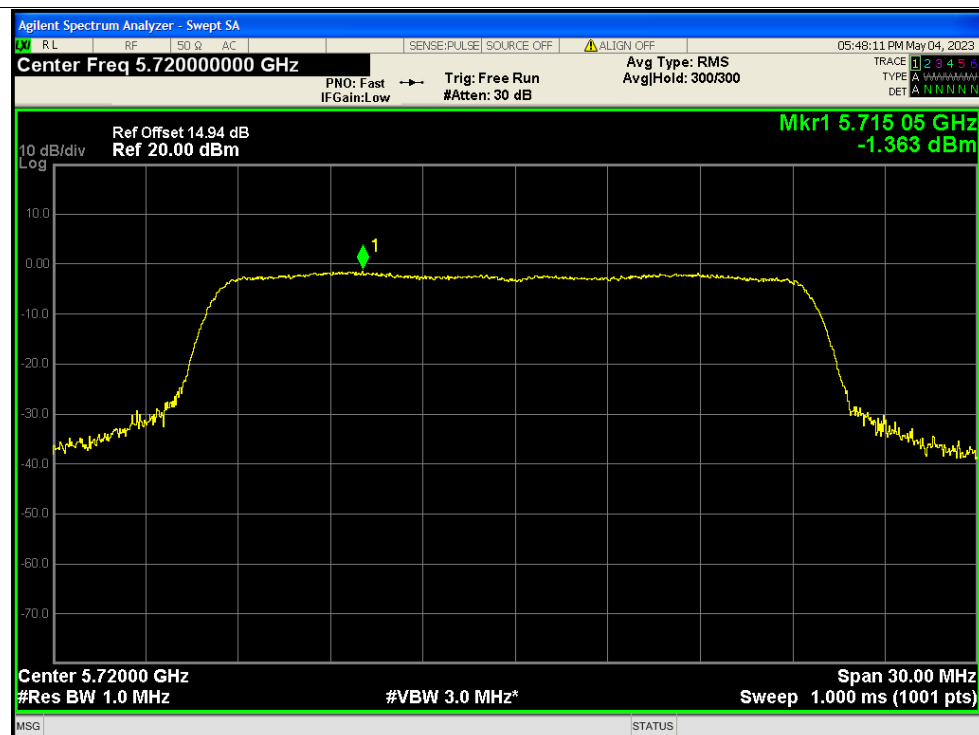




PSD NVNT ax20 5600MHz Ant1

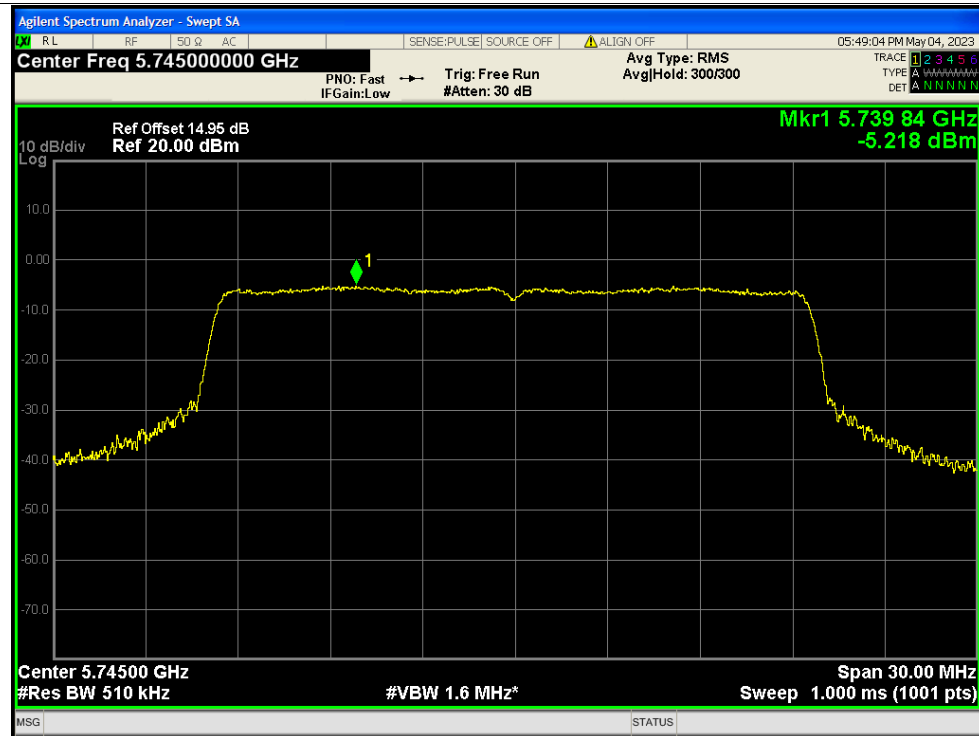


PSD NVNT ax20 5720MHz Ant1

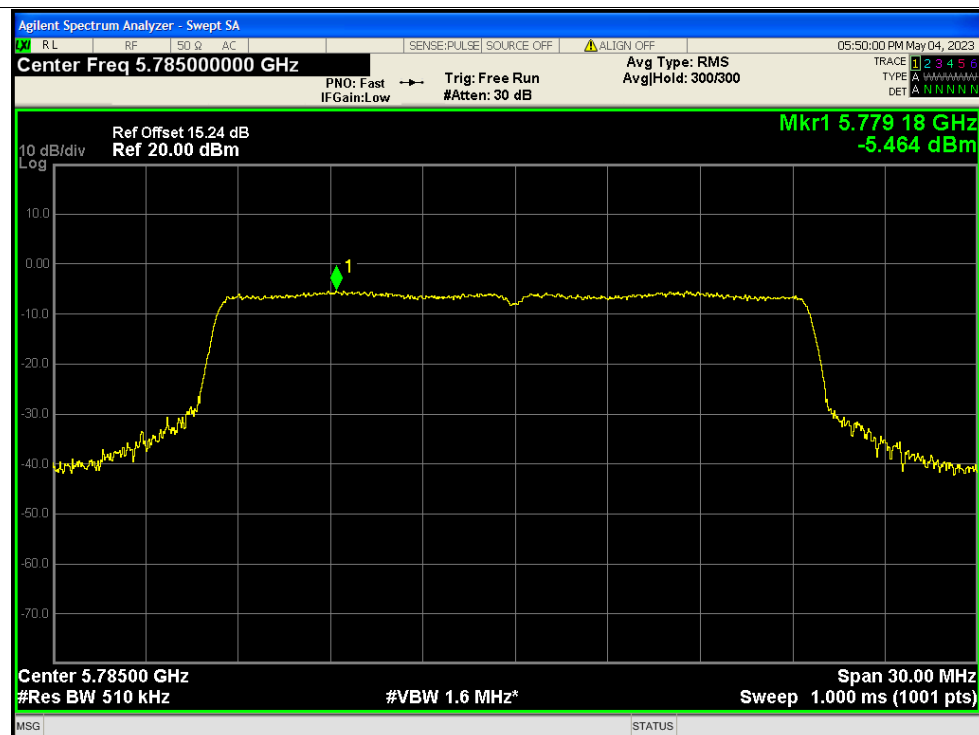




PSD NVNT ax20 5745MHz Ant1

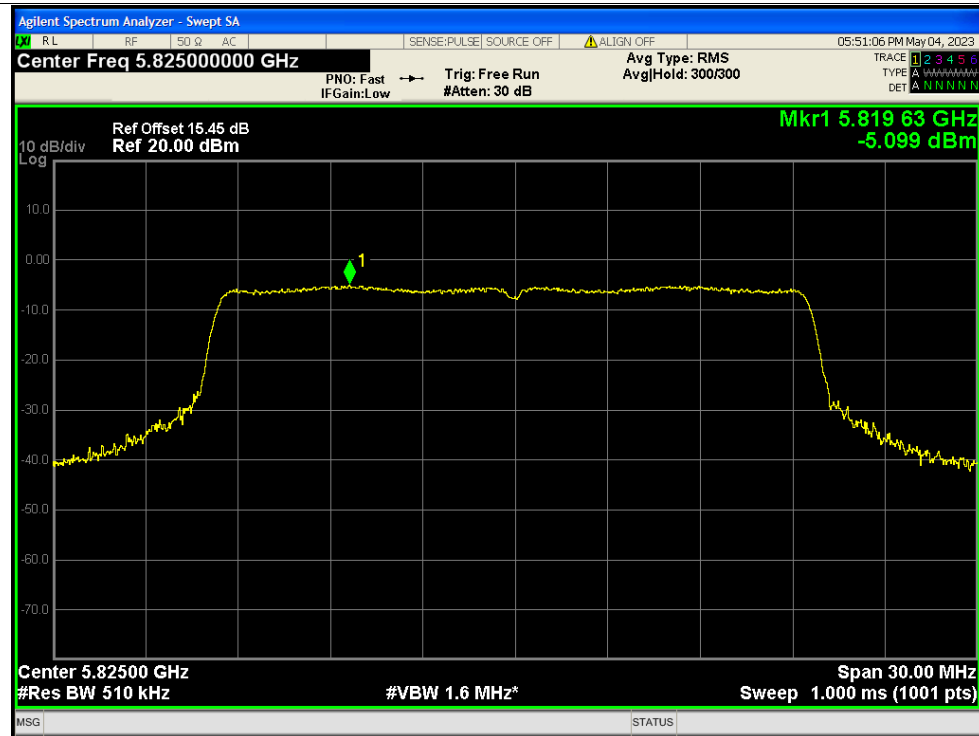


PSD NVNT ax20 5785MHz Ant1

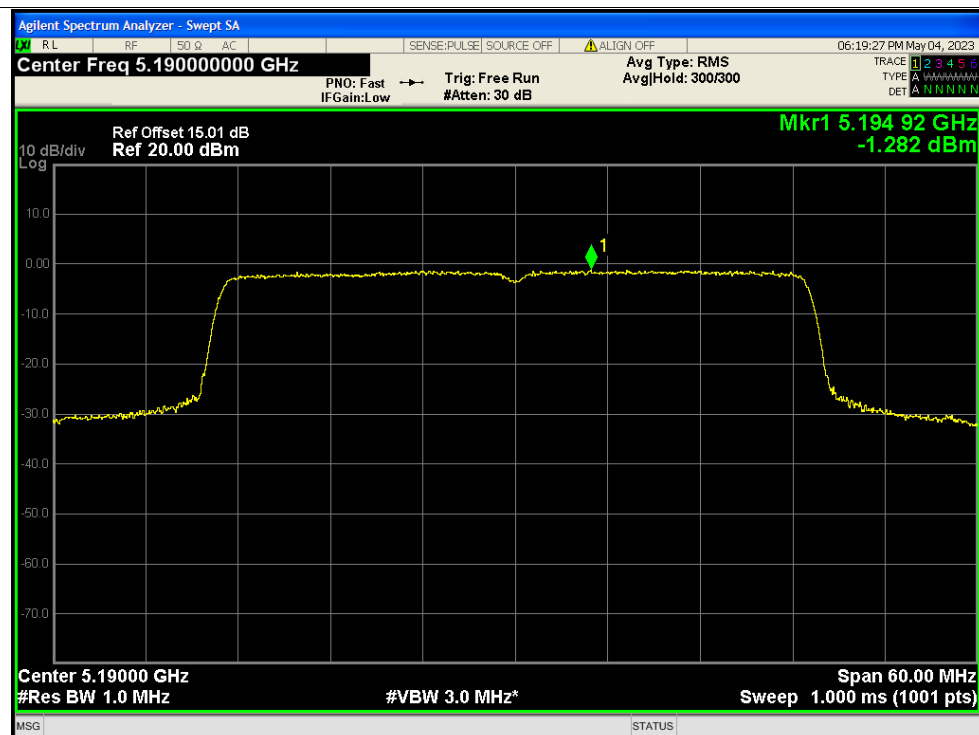




PSD NVNT ax20 5825MHz Ant1

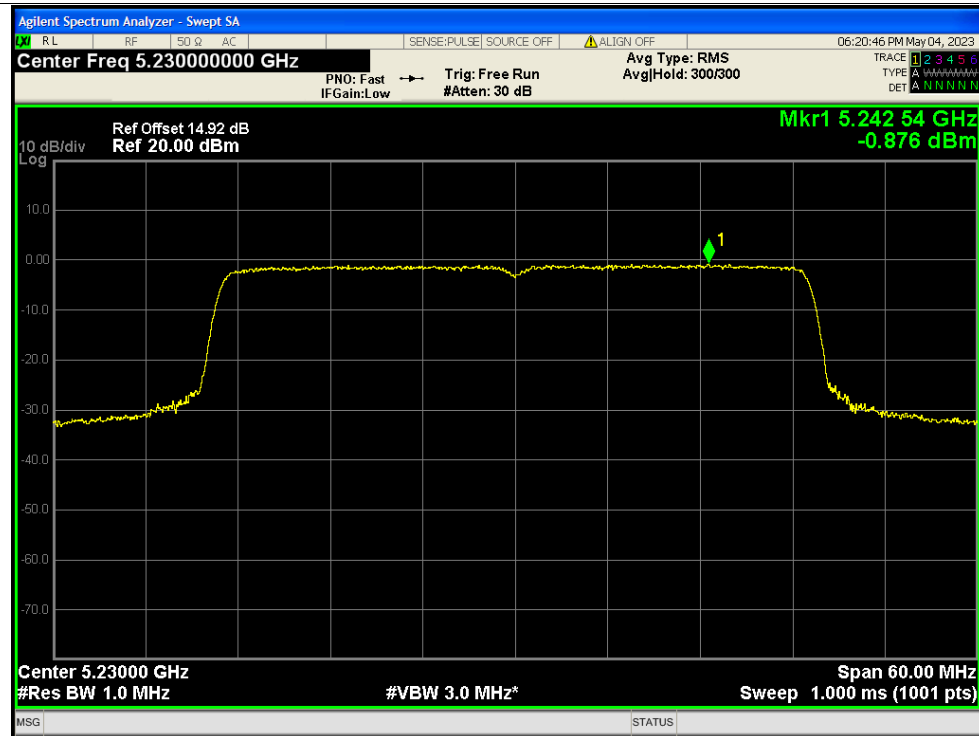


PSD NVNT ax40 5190MHz Ant1

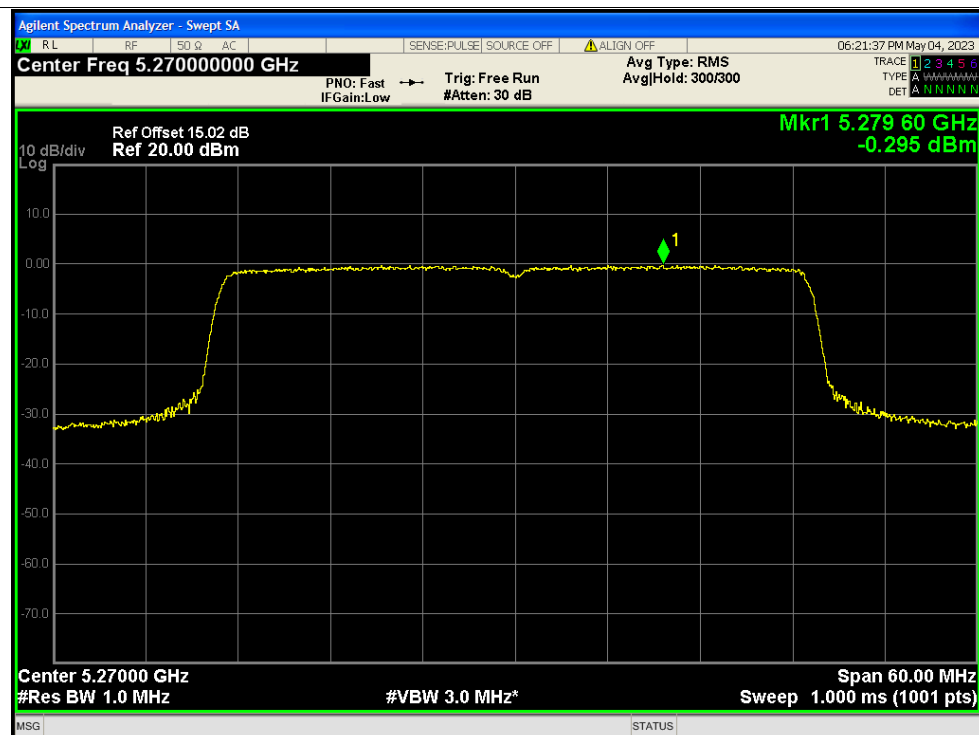




PSD NVNT ax40 5230MHz Ant1

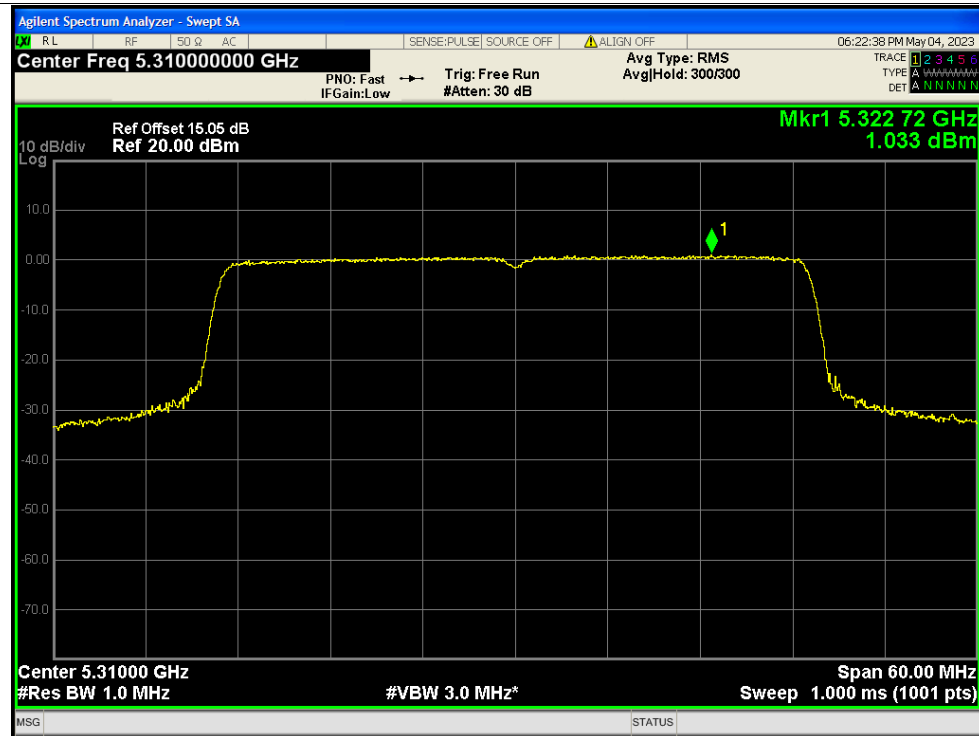


PSD NVNT ax40 5270MHz Ant1

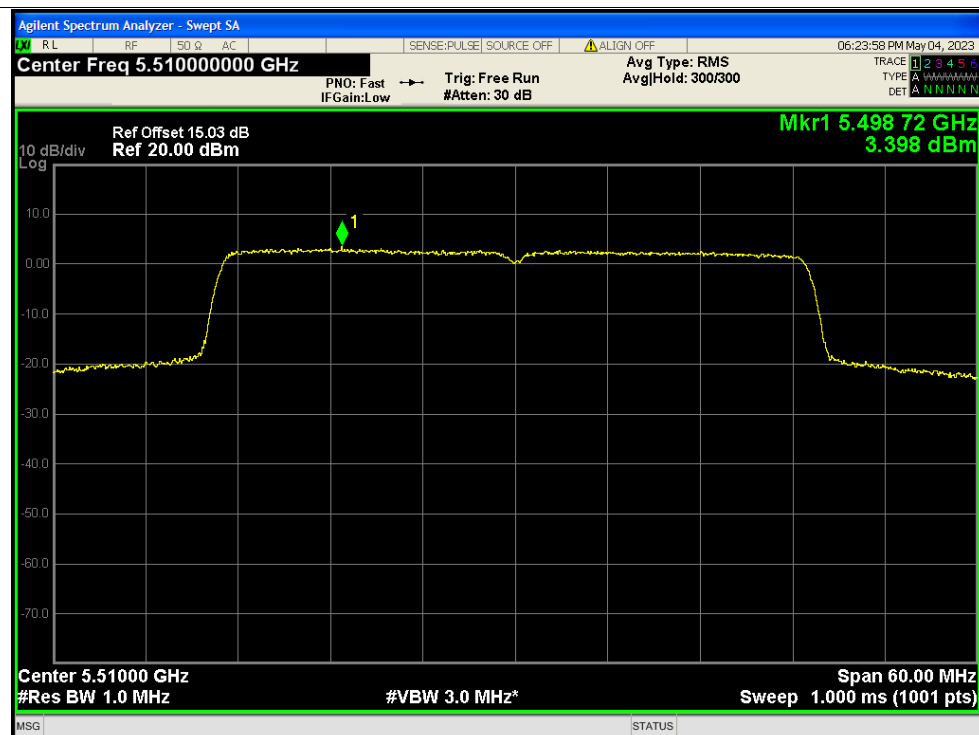




PSD NVNT ax40 5310MHz Ant1

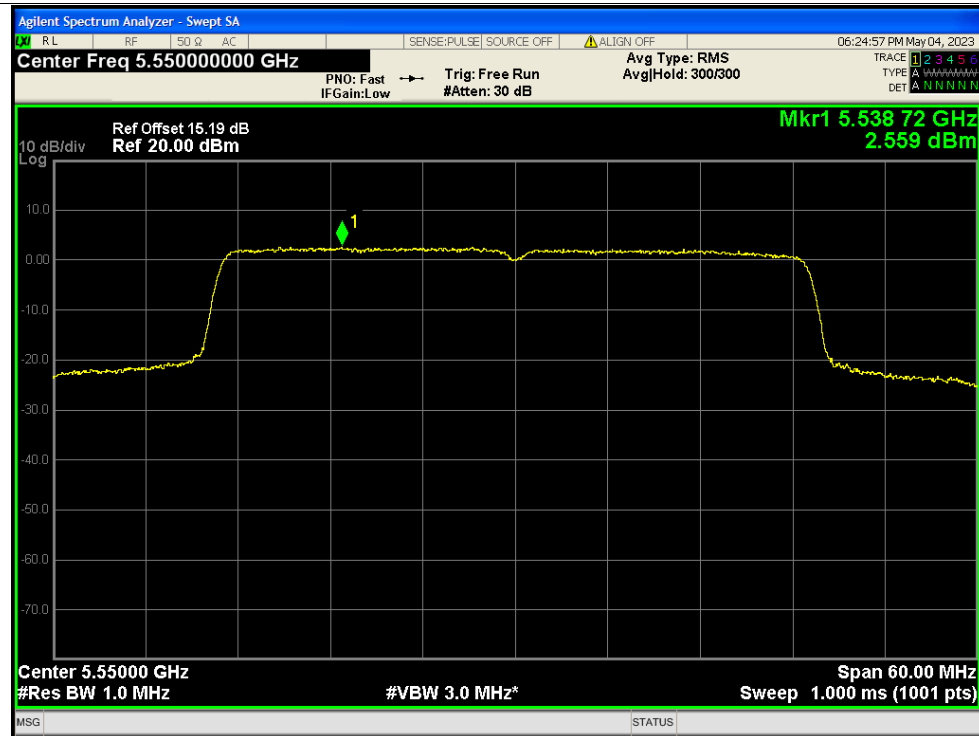


PSD NVNT ax40 5510MHz Ant1

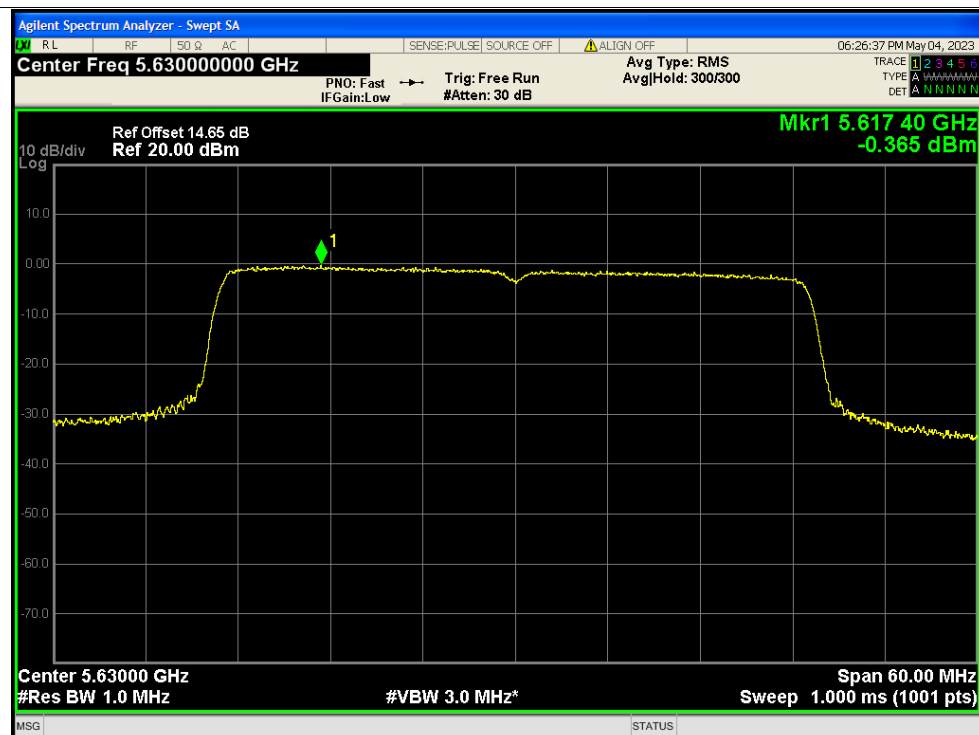




PSD NVNT ax40 5550MHz Ant1

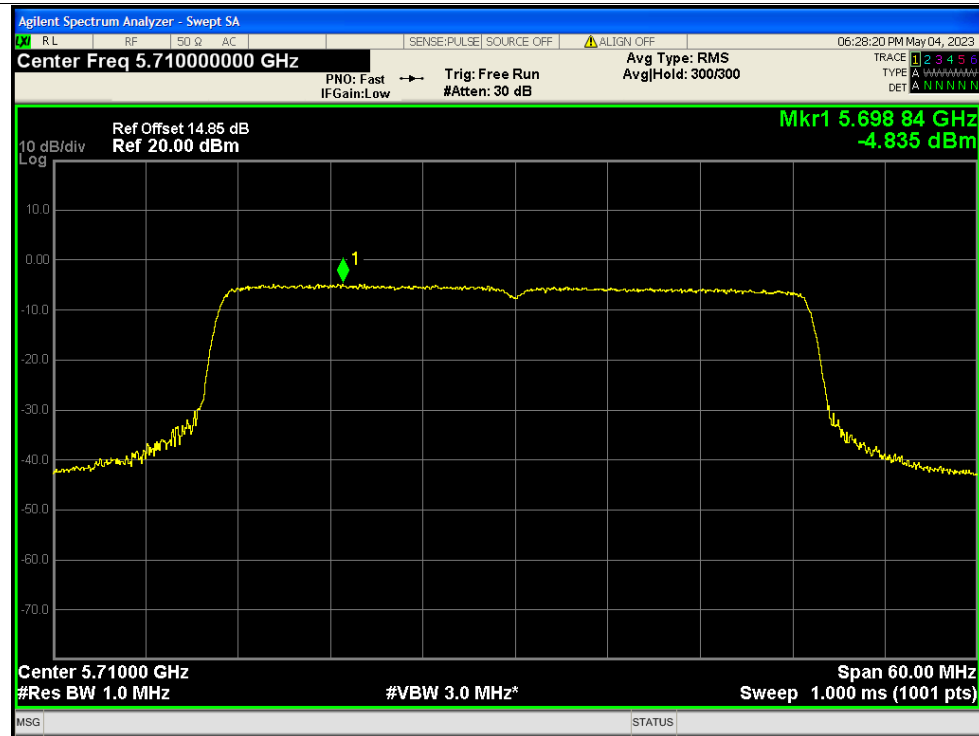


PSD NVNT ax40 5630MHz Ant1

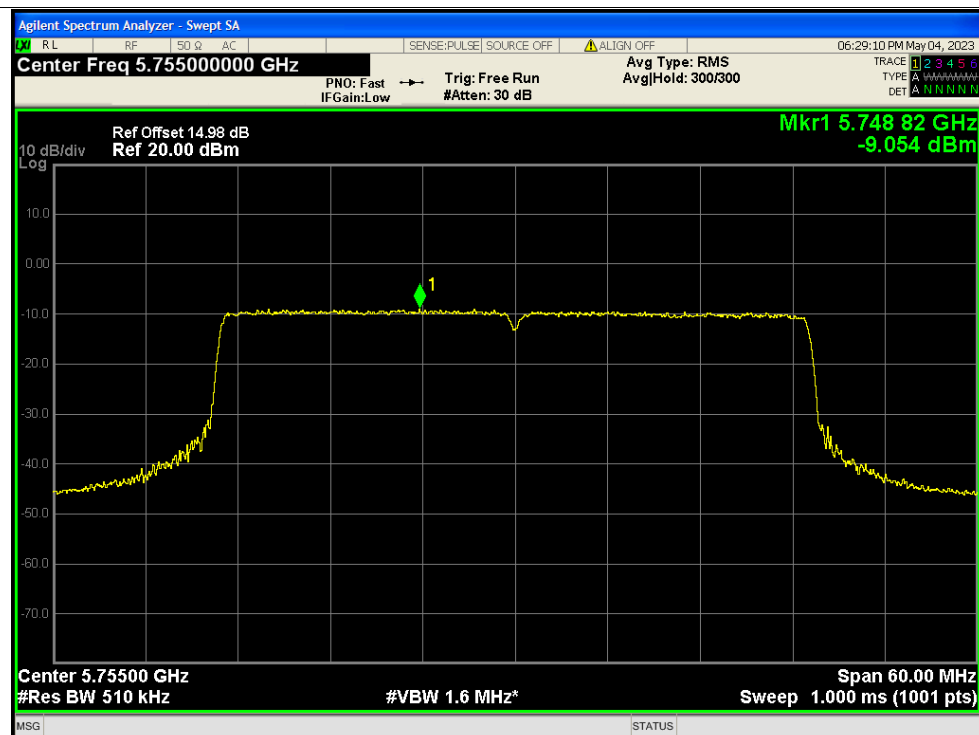


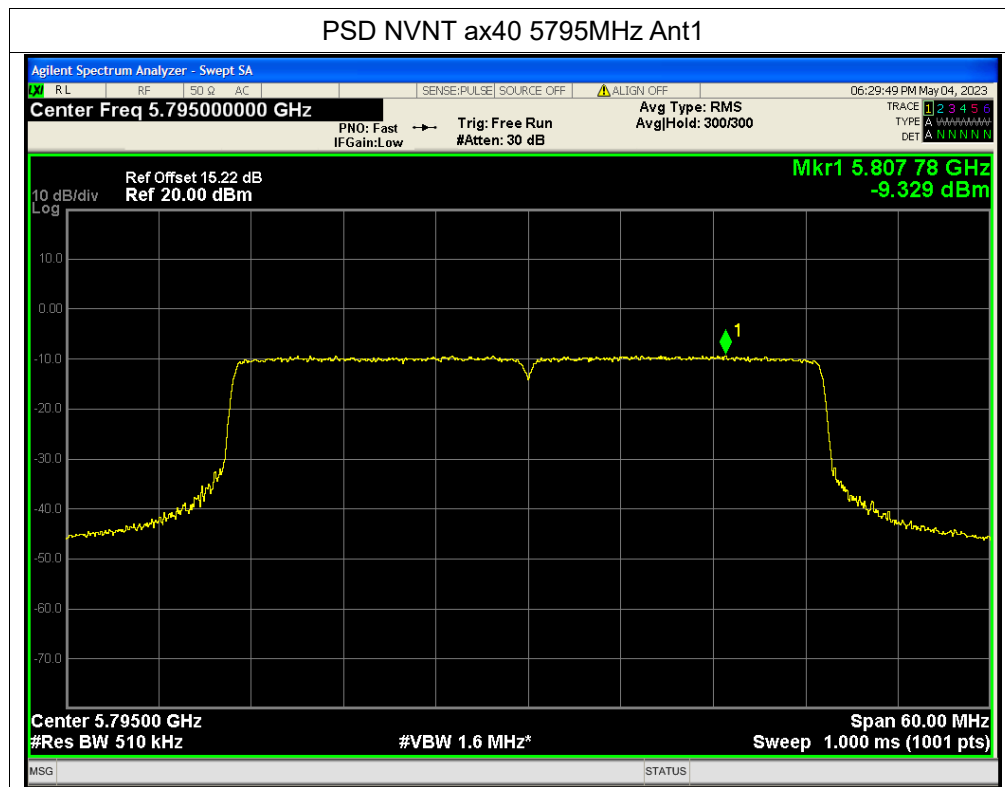


PSD NVNT ax40 5710MHz Ant1



PSD NVNT ax40 5755MHz Ant1





**A.5. Frequency Stability**

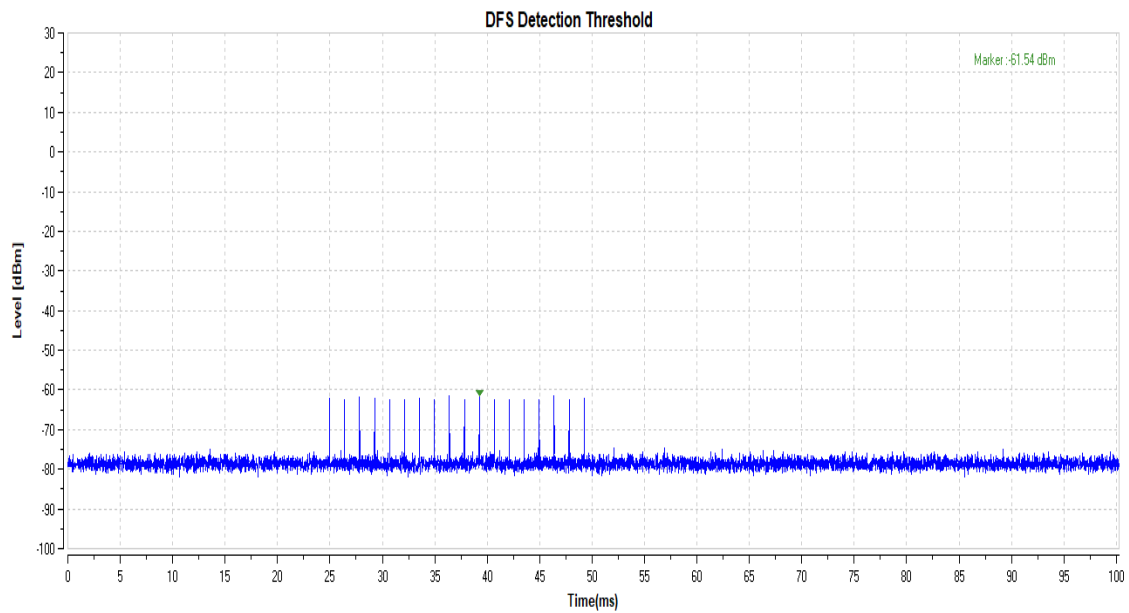
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 4.75V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
20C 5V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
20C 5.25V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
0C 5V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
10C 5V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
30C 5V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
40C 5V	Unmodulated	5180	Ant1	5179.927	-73000	-14.09	25	Pass
20C 4.75V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
20C 5V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
20C 5.25V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
0C 5V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
10C 5V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
30C 5V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
40C 5V	Unmodulated	5260	Ant1	5259.925	-75000	-14.26	25	Pass
20C 4.75V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
20C 5V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
20C 5.25V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
0C 5V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
10C 5V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
30C 5V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
40C 5V	Unmodulated	5500	Ant1	5499.922	-78000	-14.18	25	Pass
20C 4.75V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass
20C 5V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass
20C 5.25V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass
0C 5V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass
10C 5V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass
30C 5V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass
40C 5V	Unmodulated	5745	Ant1	5744.919	-81000	-14.1	25	Pass

**A.6. Dynamic Frequency Selection****Detection Thresholds**

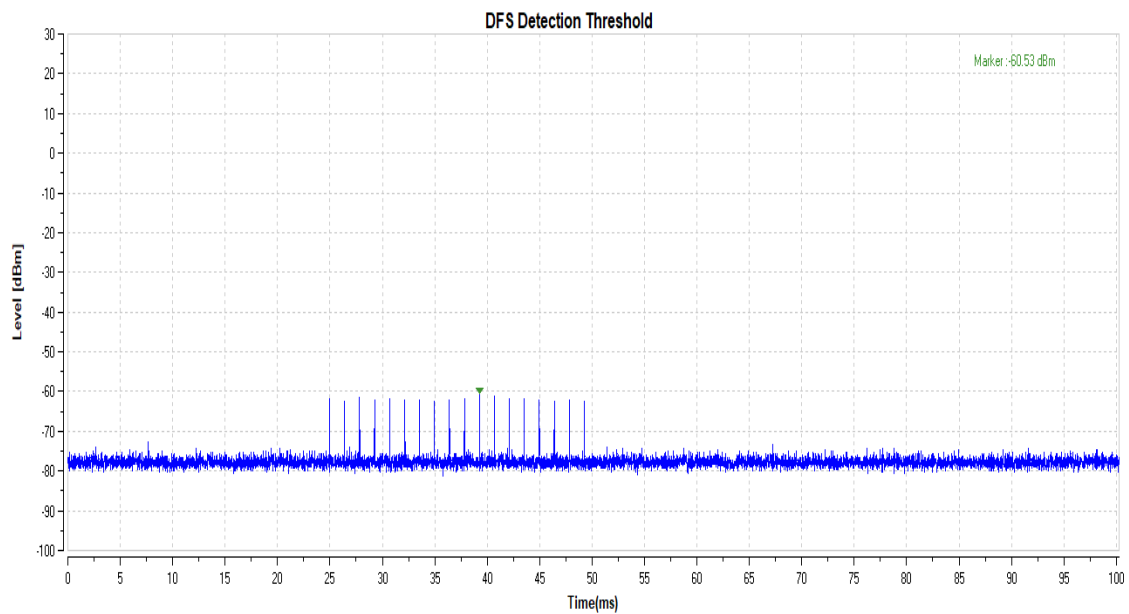
Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AX20SISO	5320	Reference	-61.54	-50.41	PASS
	5500	Reference	-60.53	-54.53	PASS
11AX40SISO	5310	Reference	-59.26	-56.25	PASS
	5510	Reference	-60.08	-56.25	PASS



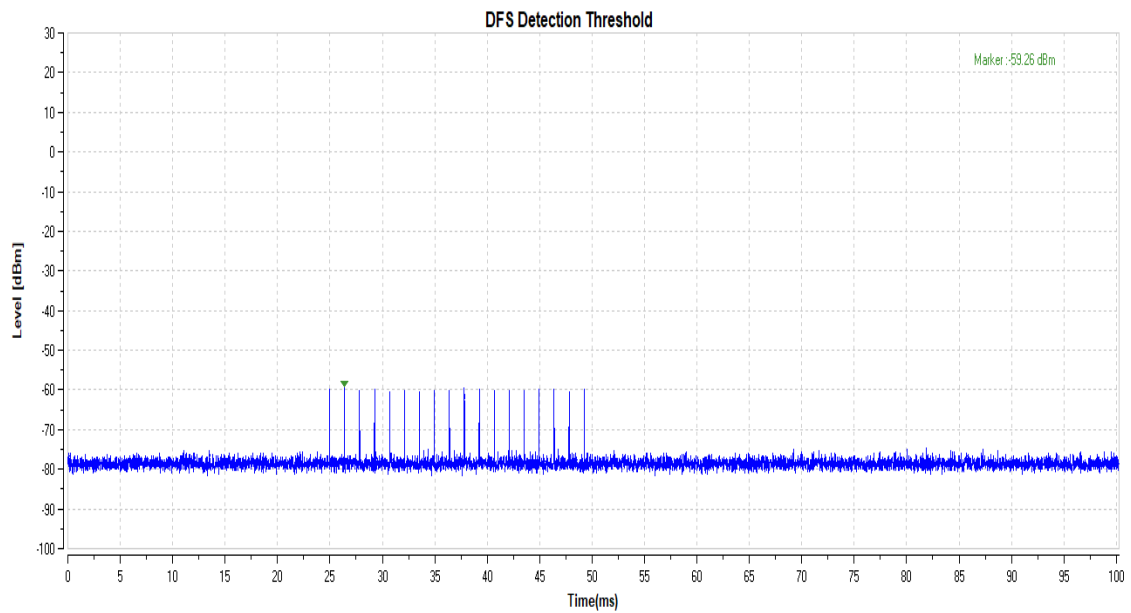
11AC20SISO_5320_Reference



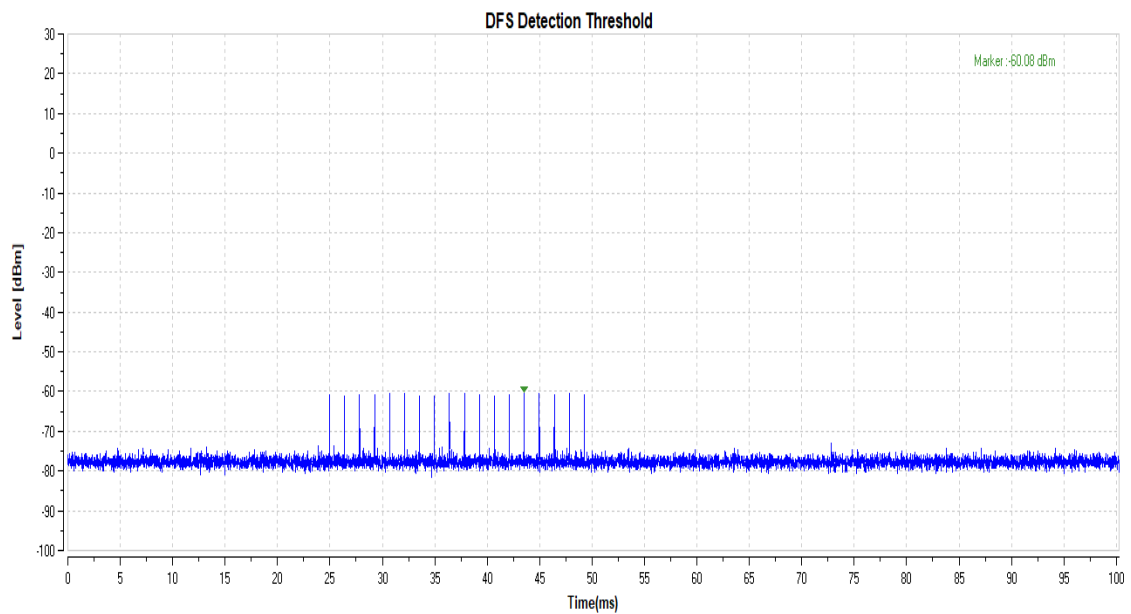
11AC20SISO_5500_Reference



11AX40SISO_5310_Reference



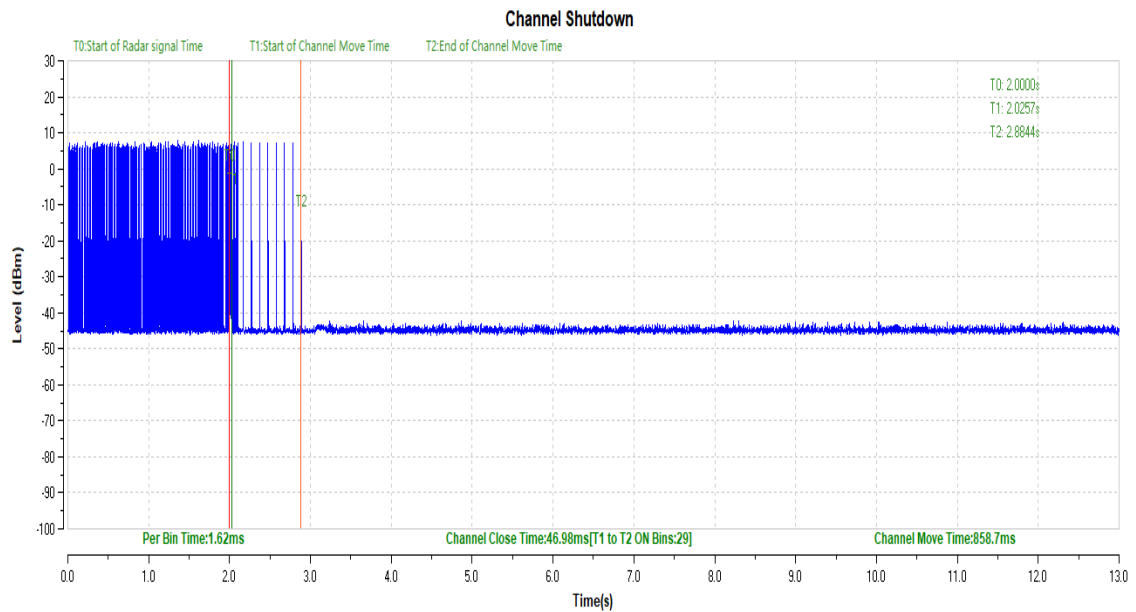
11AX40SISO_5510_Reference



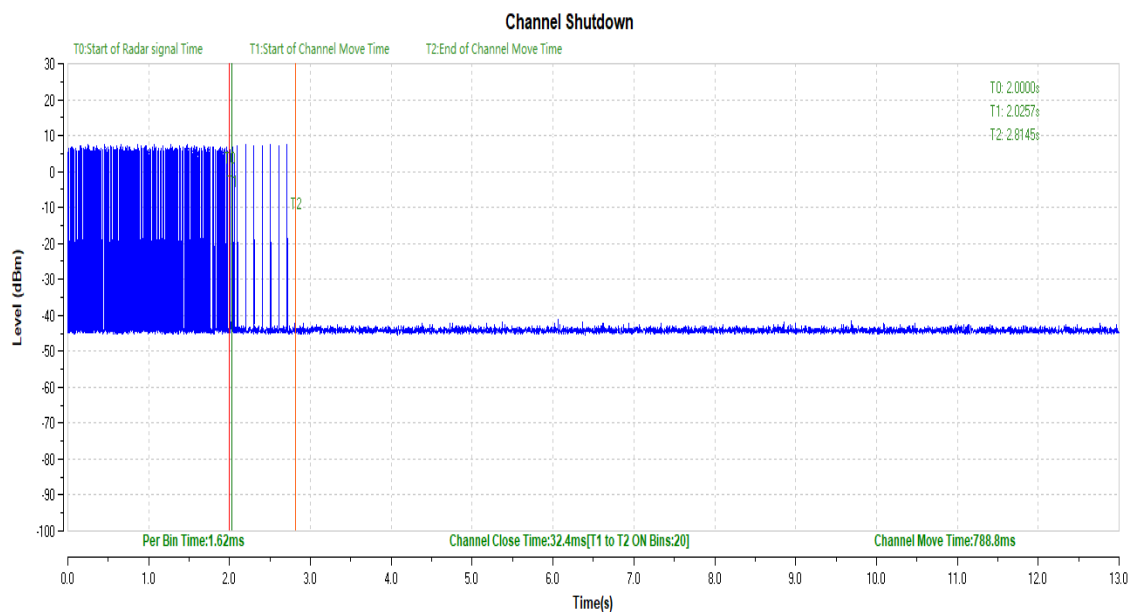
**Channel Move Time and Channel Closing Transmission Time :**

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	46.98	260	858.7	10000	PASS
	5500	32.4	260	788.8	10000	PASS
11AC40SISO	5310	14.58	260	766.1	10000	PASS
	5510	34.02	260	850.6	10000	PASS

11AC20SISO_5320

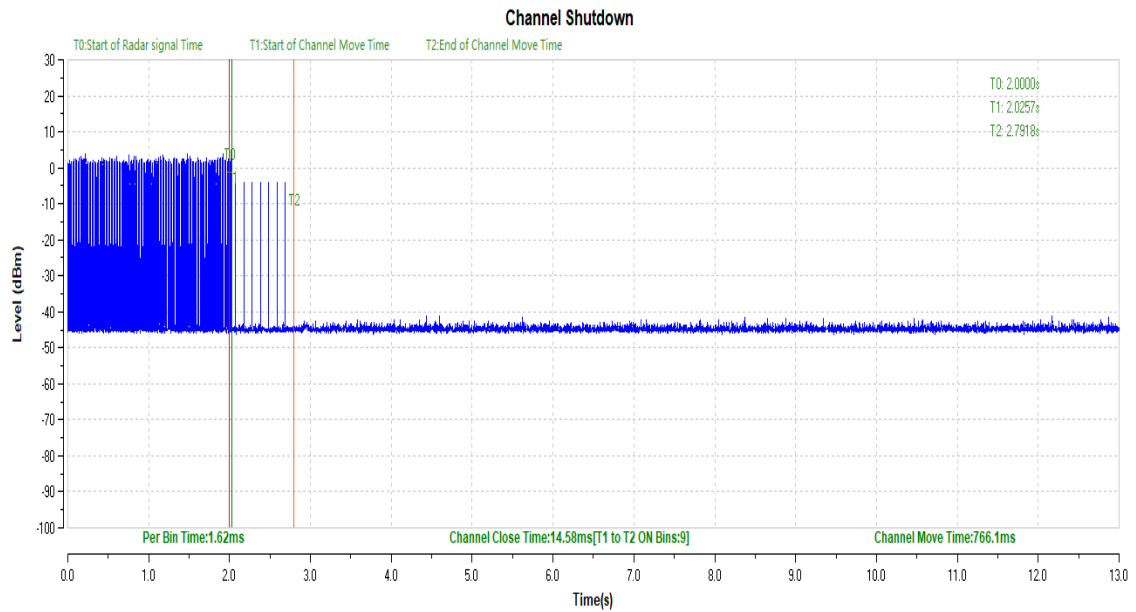


11AC20SISO_5500

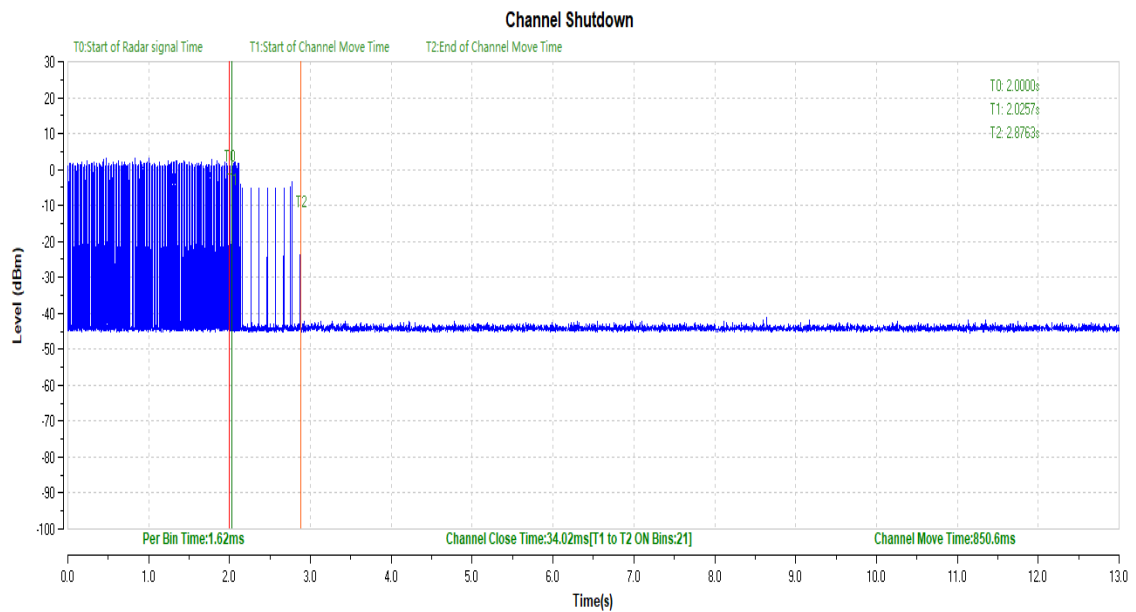




11AX40SISO_5310



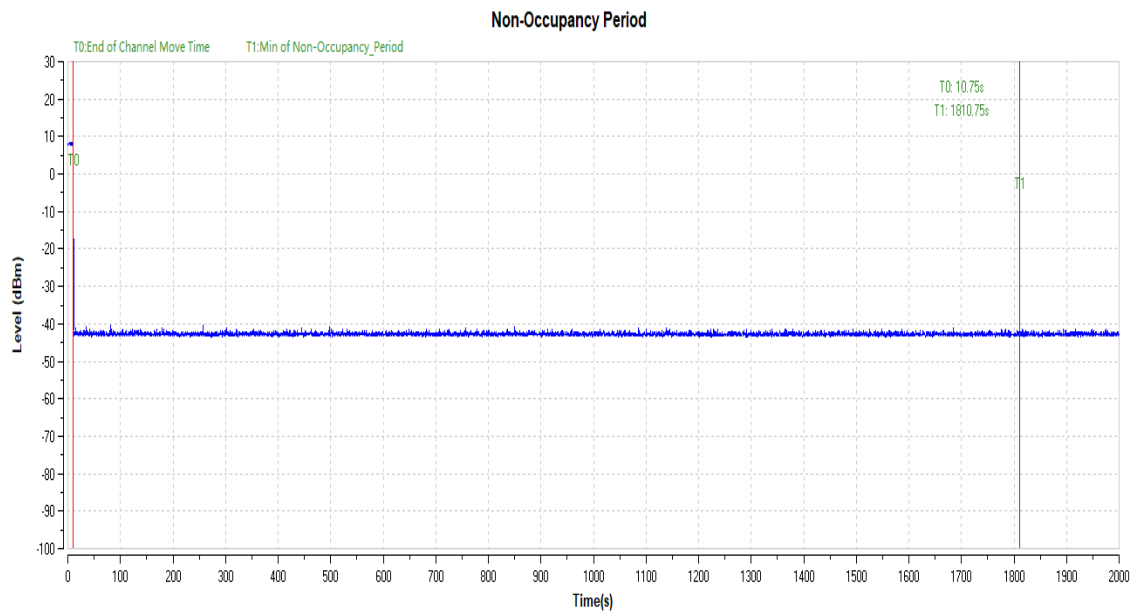
11AX40SISO_5510



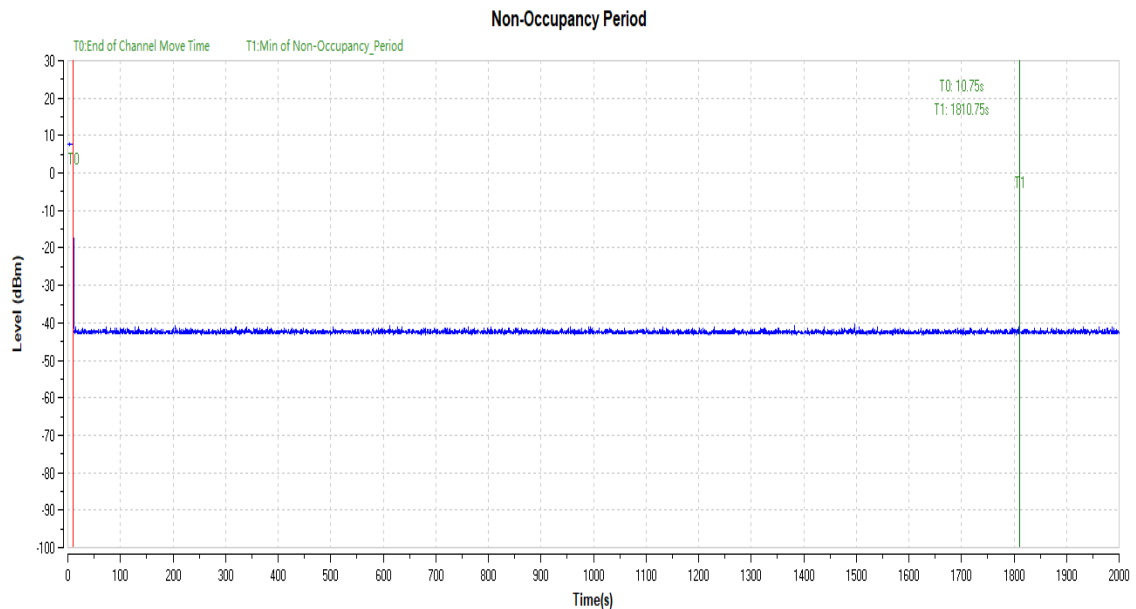
**Non-Occupancy Period**

Test Mode	Channel	Result	Limit[s]	Verdict
11AX20SISO	5320	see test graph	≥ 1800	PASS
	5500	see test graph	≥ 1800	PASS

11AX20SISO_5320



11AX20SISO_5500





A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT + USB Cable + PC +WIFI TX

Test voltage: AC 120V/60Hz

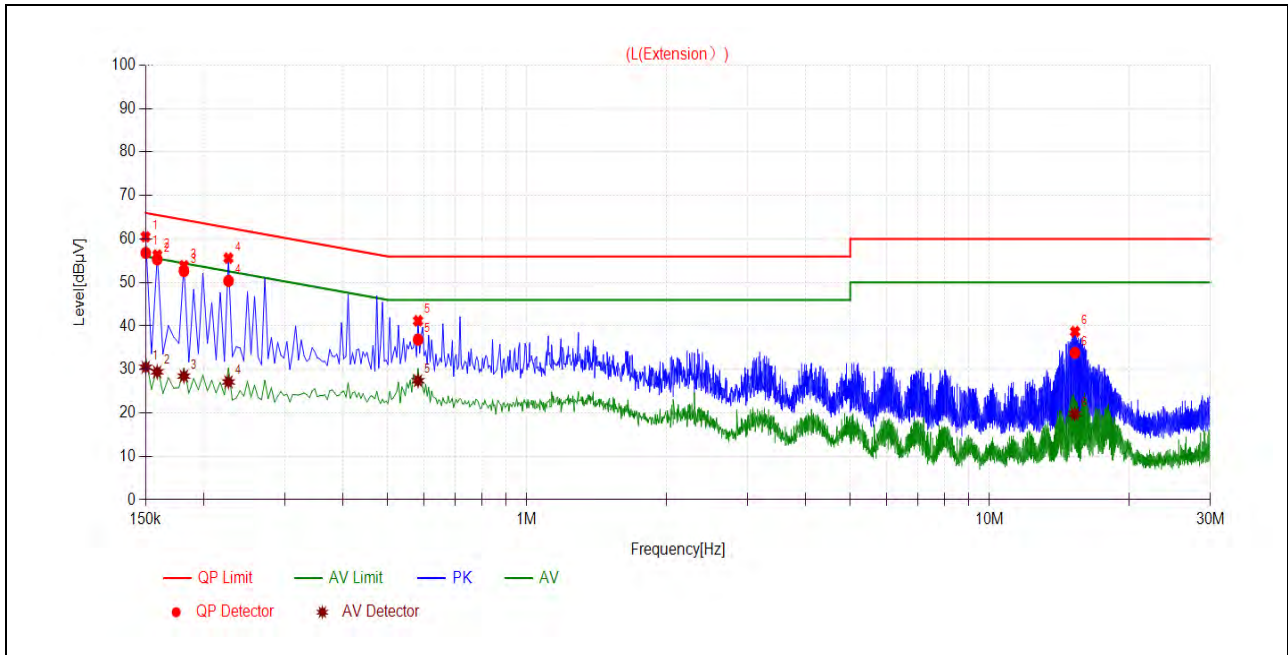
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

U_R : Receiver Reading

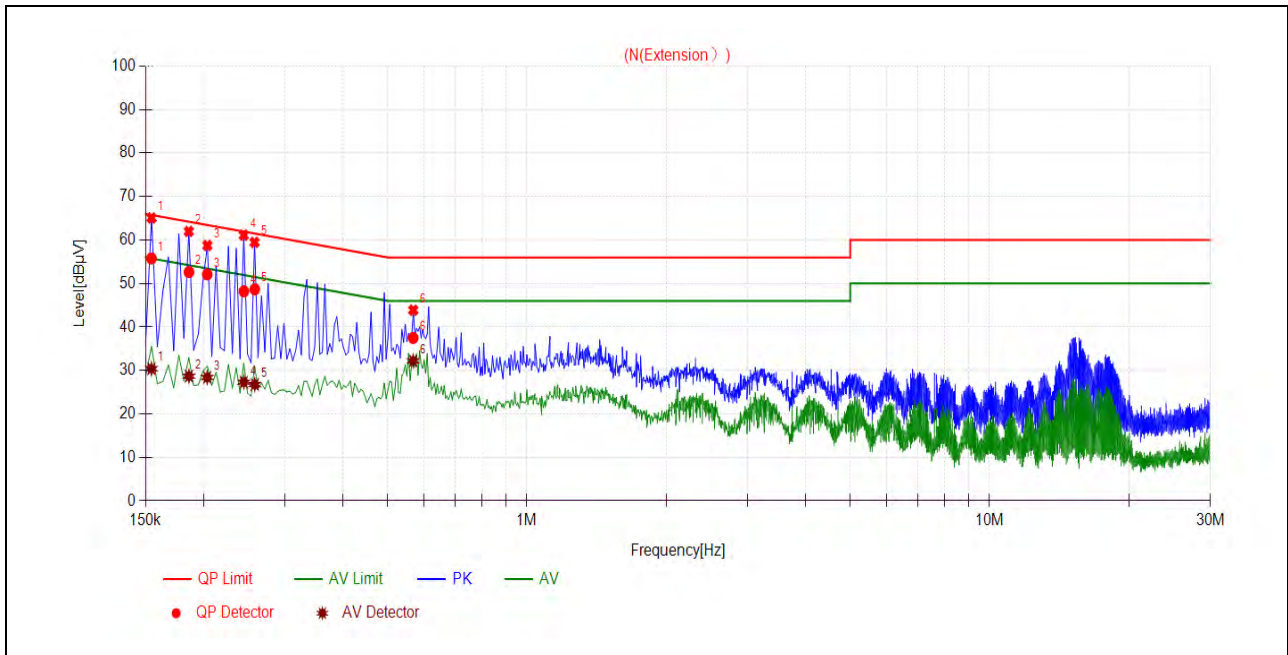
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1501	56.82	30.50	66.00	56.00	Line	PASS
2	0.1589	55.33	29.44	65.52	55.52		PASS
3	0.1815	52.63	28.47	64.42	54.42		PASS
4	0.2266	50.36	27.13	62.57	52.57		PASS
5	0.5819	36.84	27.40	56.00	46.00		PASS
6	15.2885	33.82	19.75	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1544	55.77	30.39	65.76	55.76	Neutral	PASS
2	0.1861	52.63	28.68	64.21	54.21		PASS
3	0.2038	52.10	28.39	63.45	53.45		PASS
4	0.2446	48.20	27.31	61.94	51.94		PASS
5	0.2582	48.67	26.77	61.49	51.49		PASS
6	0.5680	37.47	32.20	56.00	46.00		PASS