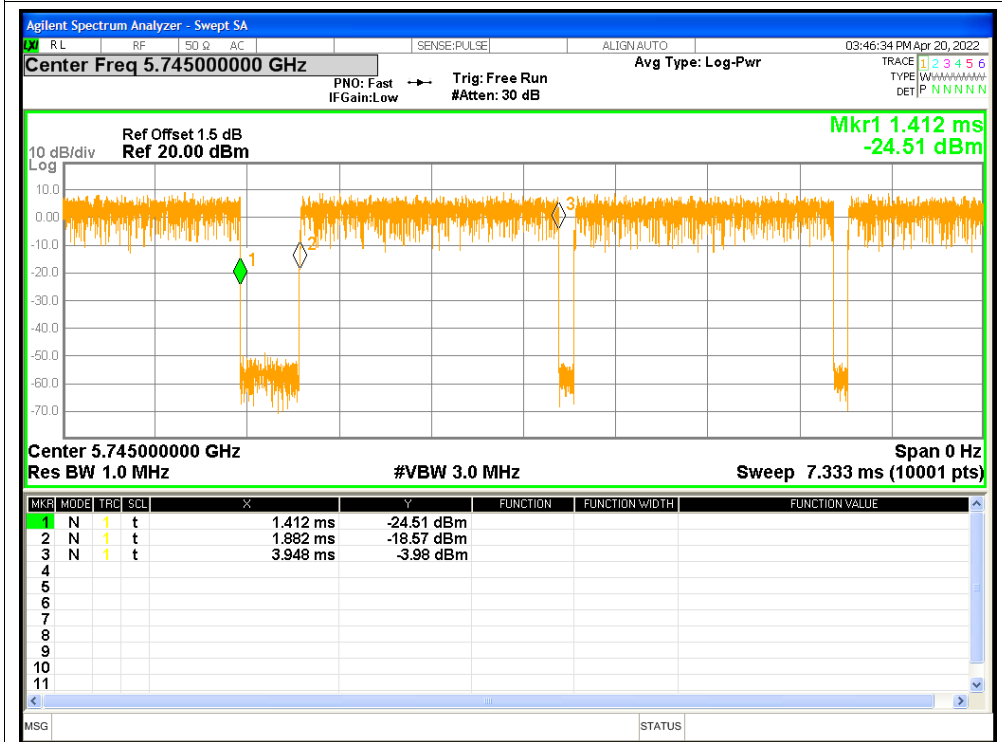


## Duty Cycle

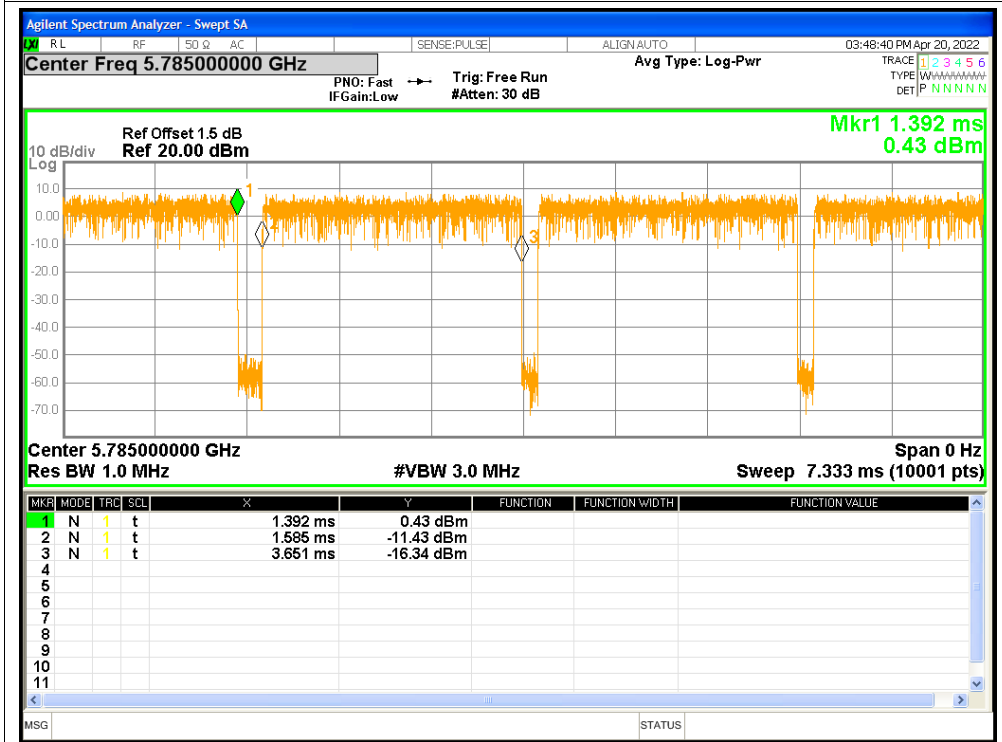
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	81.44	0.89	0.48
NVNT	a	5785	91.43	0.39	0.48
NVNT	a	5825	94.44	0.25	0.48
NVNT	n20	5745	85.37	0.69	0.52
NVNT	n20	5785	73.31	1.35	0.52
NVNT	n20	5825	90.85	0.42	0.52
NVNT	n40	5755	89.42	0.49	1.06
NVNT	n40	5795	65.64	1.83	1.06
NVNT	ac20	5745	86.18	0.65	0.52
NVNT	ac20	5785	89.14	0.5	0.52
NVNT	ac20	5825	92.62	0.33	0.52
NVNT	ac40	5755	84.05	0.75	1.05
NVNT	ac40	5795	80.91	0.92	1.05
NVNT	ac80	5775	68.17	1.66	2.16

Test Graphs

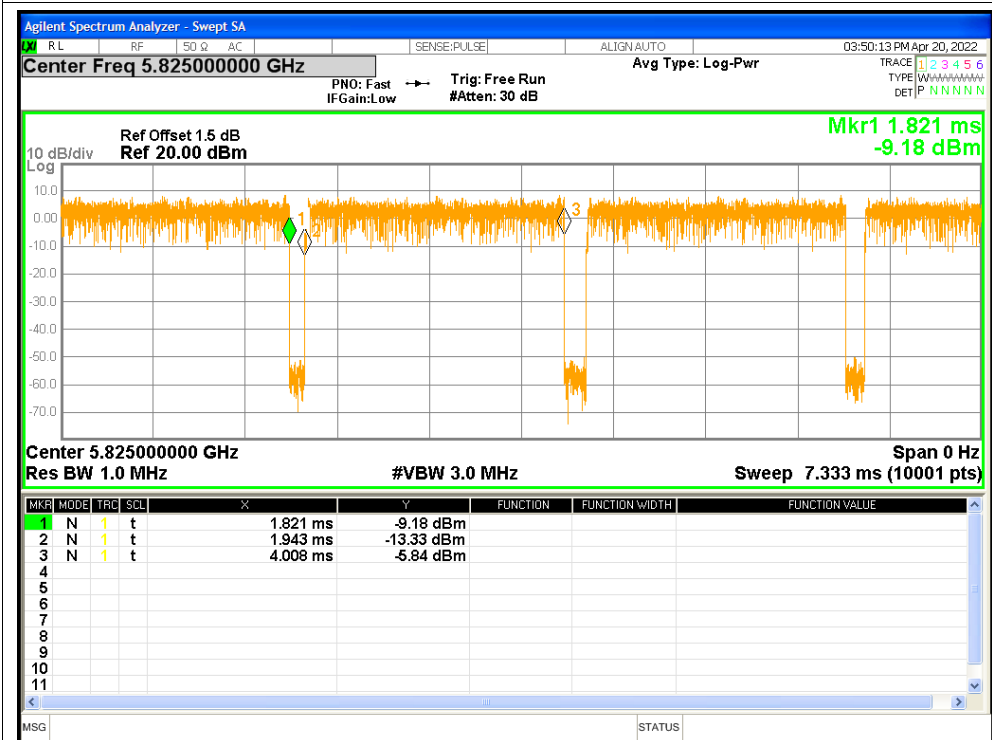
Duty Cycle NVNT a 5745MHz



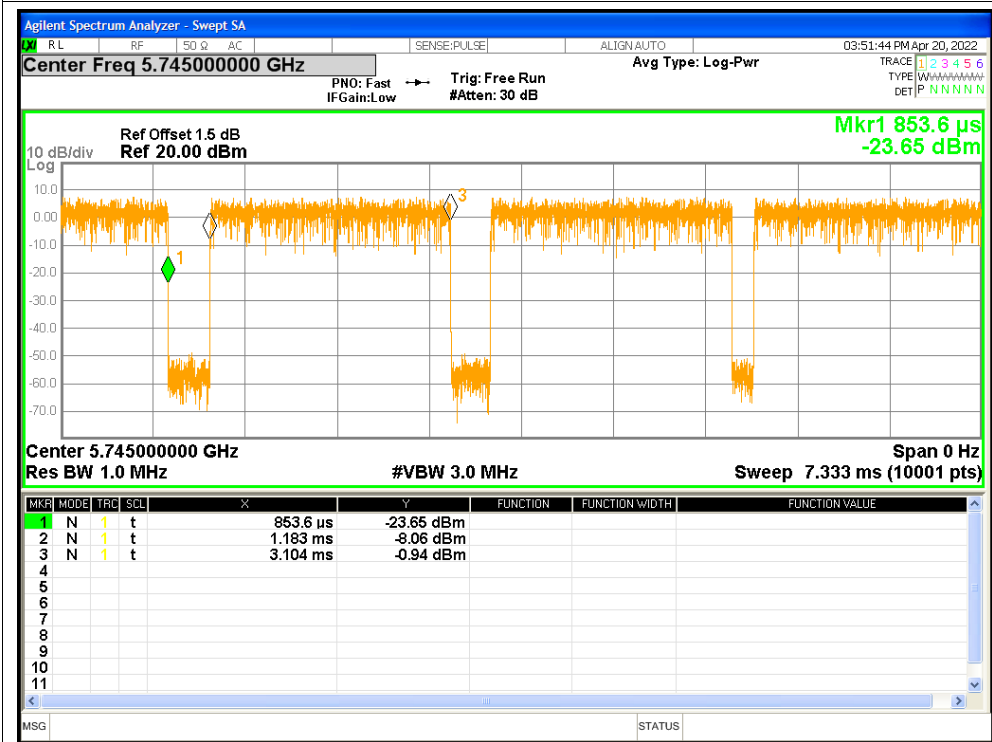
Duty Cycle NVNT a 5785MHz

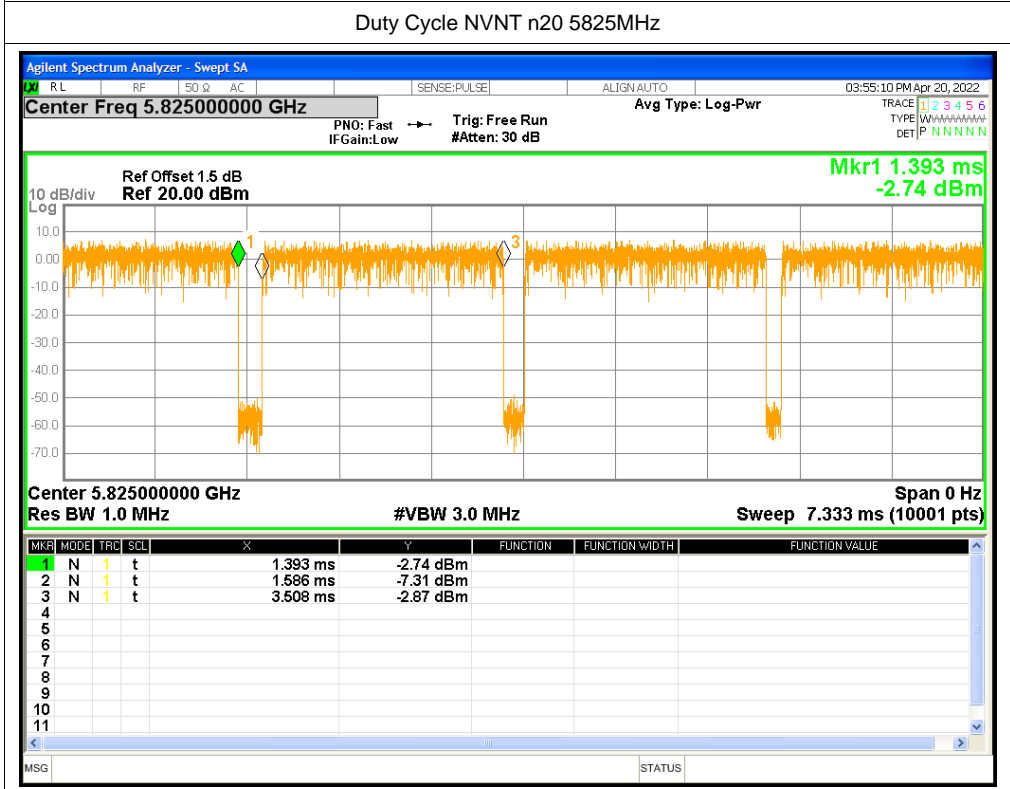
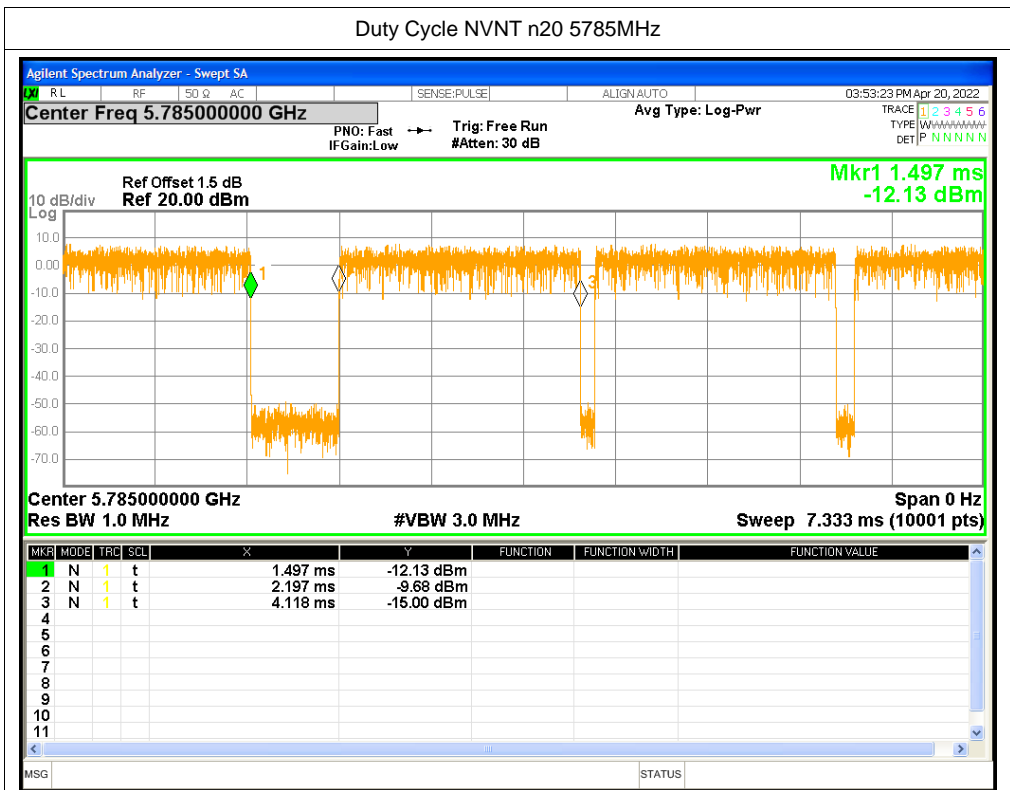


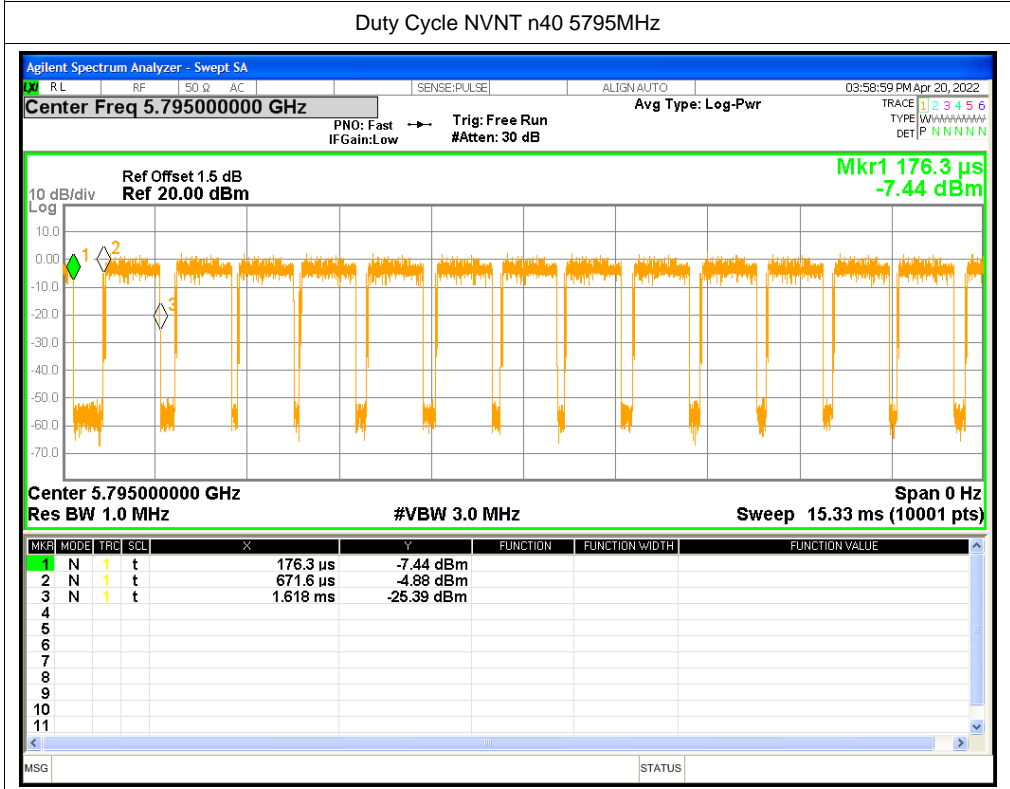
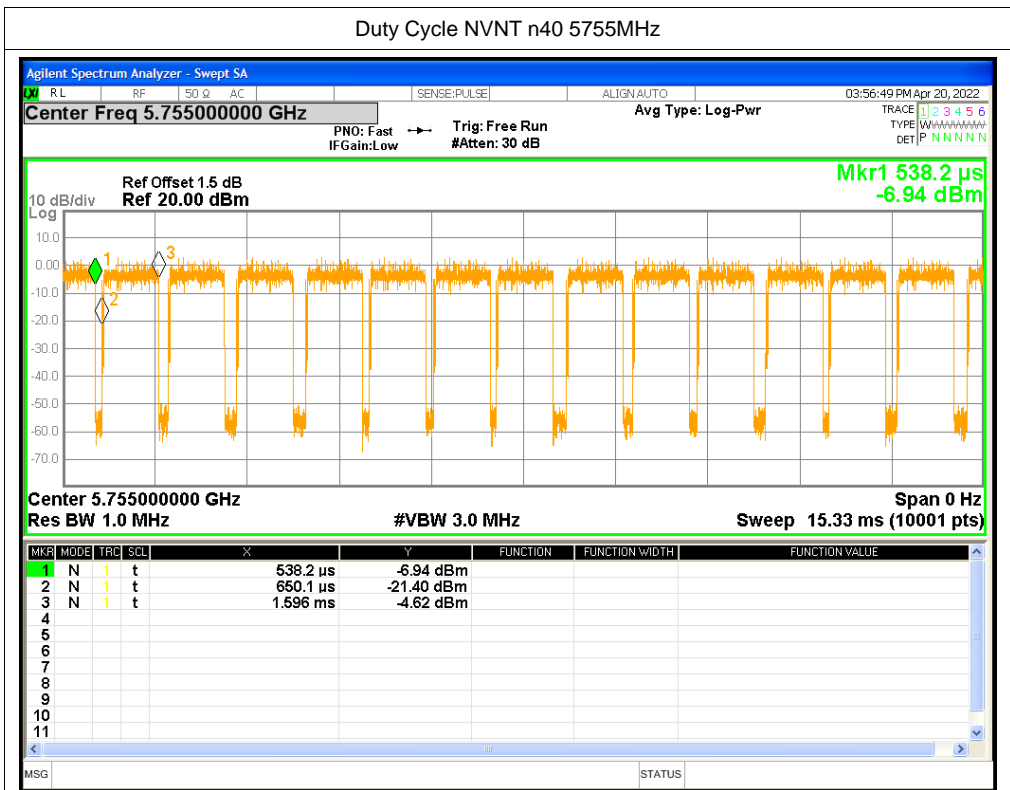
Duty Cycle NVNT a 5825MHz



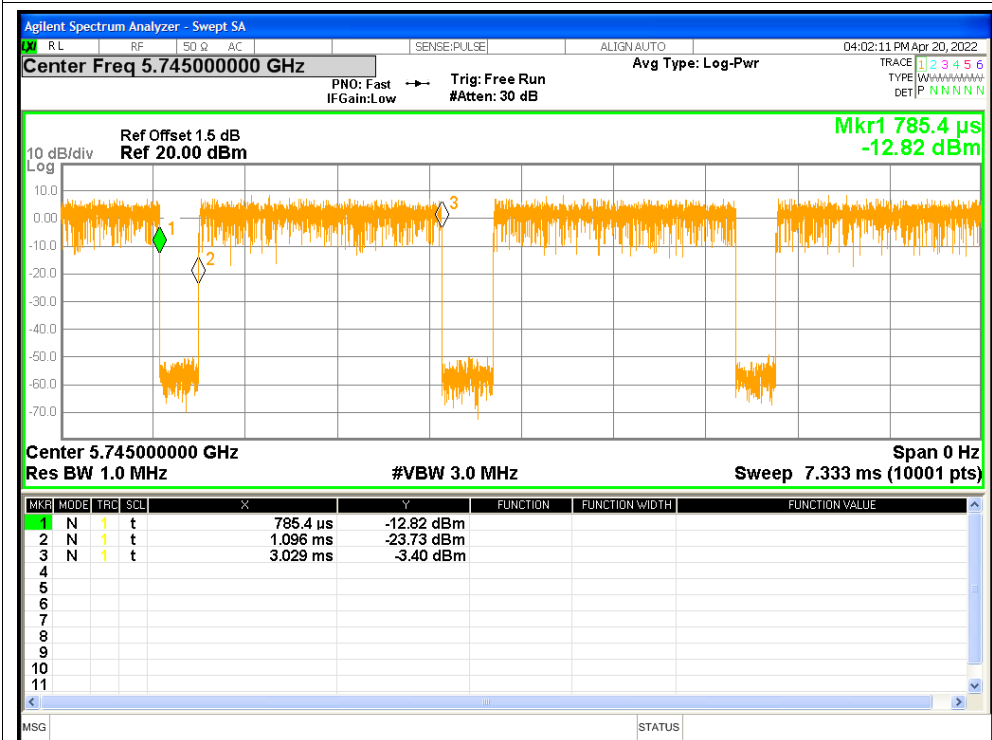
Duty Cycle NVNT n20 5745MHz



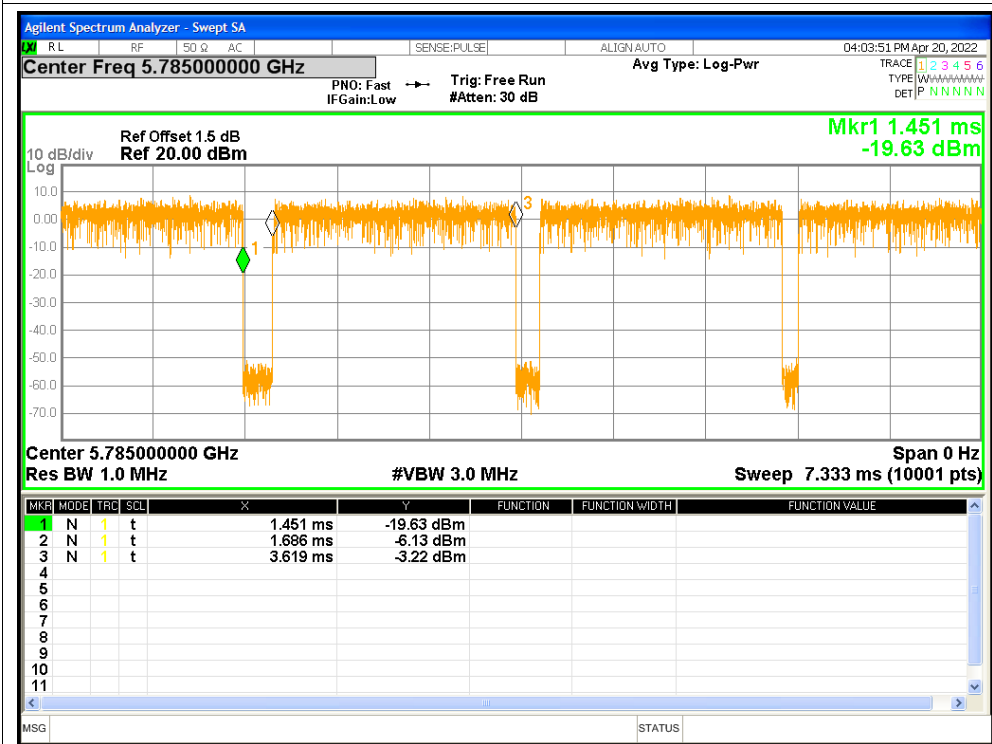




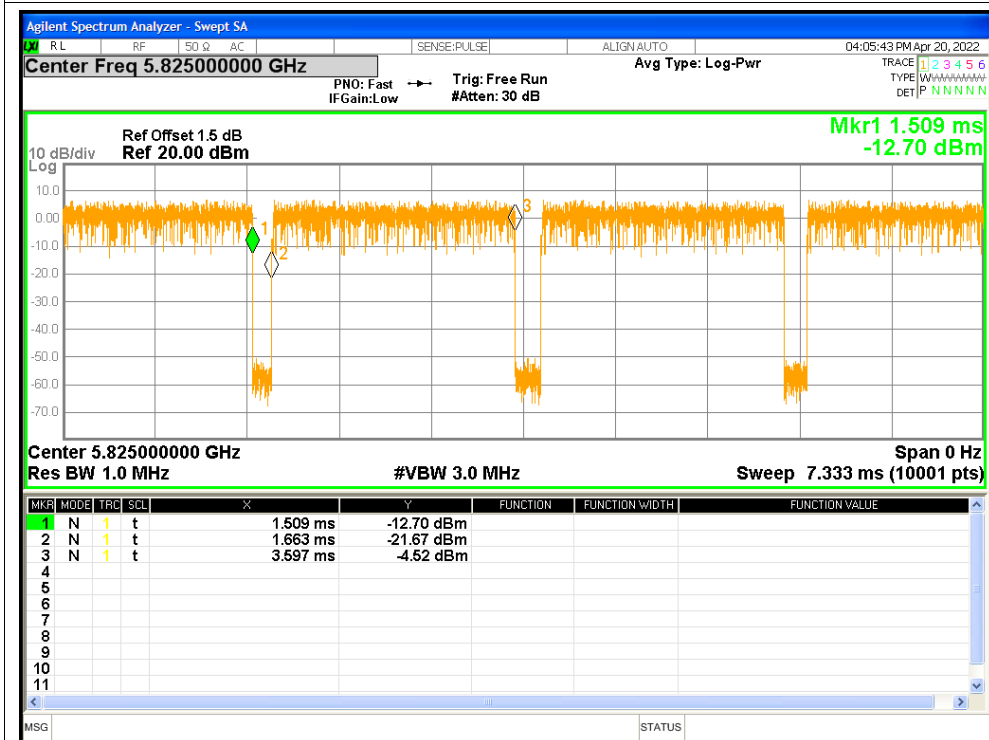
Duty Cycle NVNT ac20 5745MHz



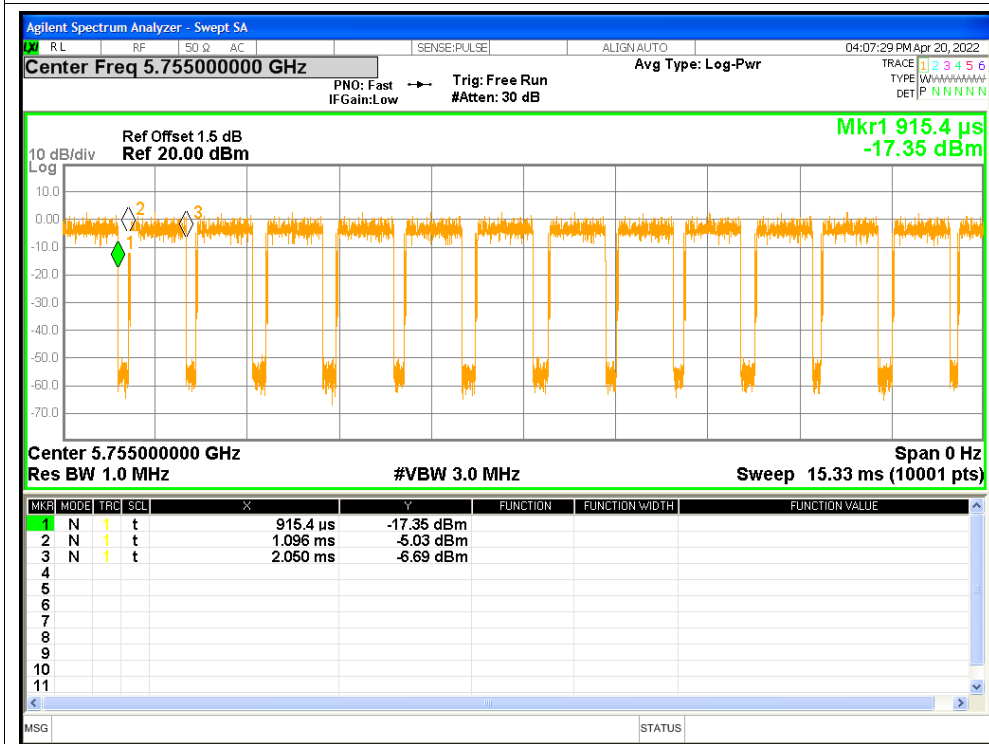
Duty Cycle NVNT ac20 5785MHz



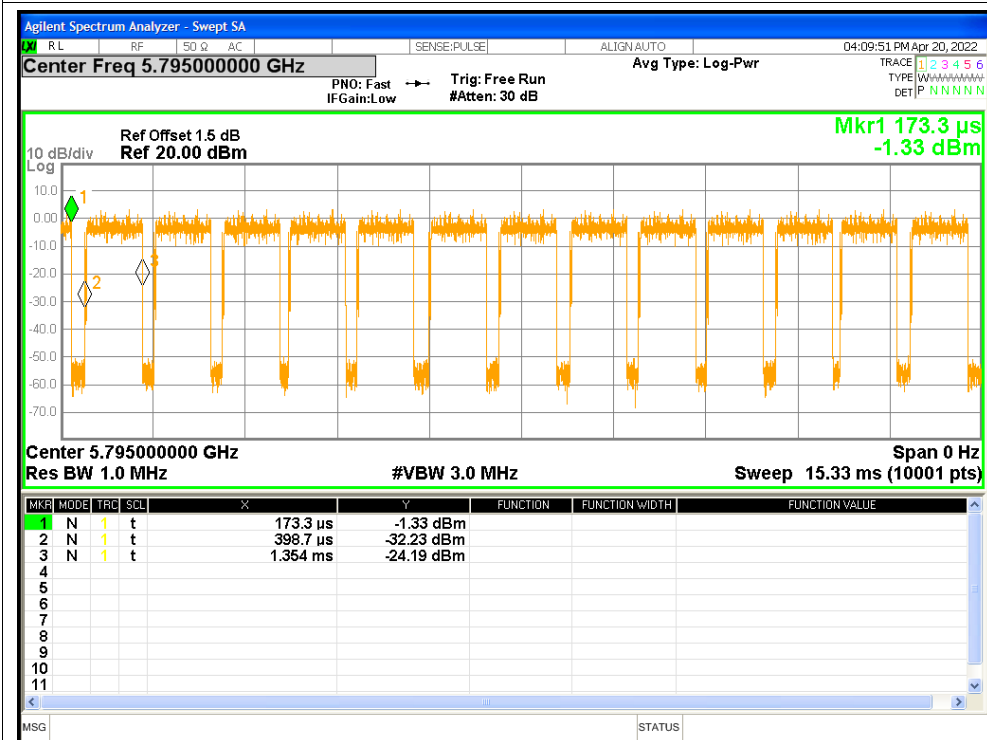
Duty Cycle NVNT ac20 5825MHz



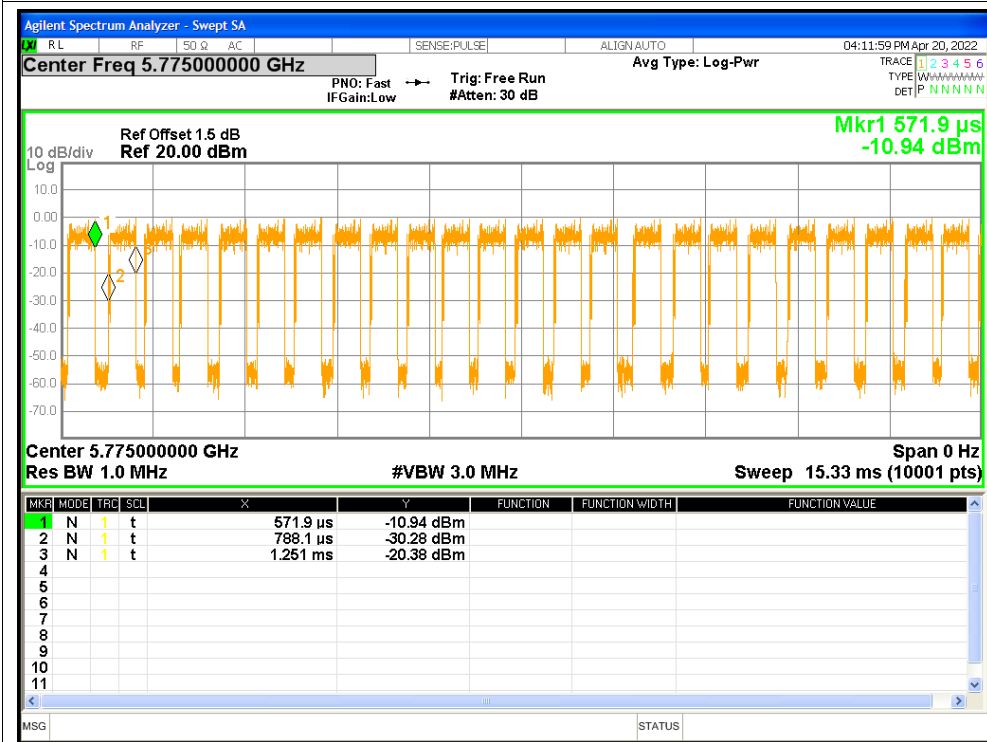
Duty Cycle NVNT ac40 5755MHz



Duty Cycle NVNT ac40 5795MHz



Duty Cycle NVNT ac80 5775MHz





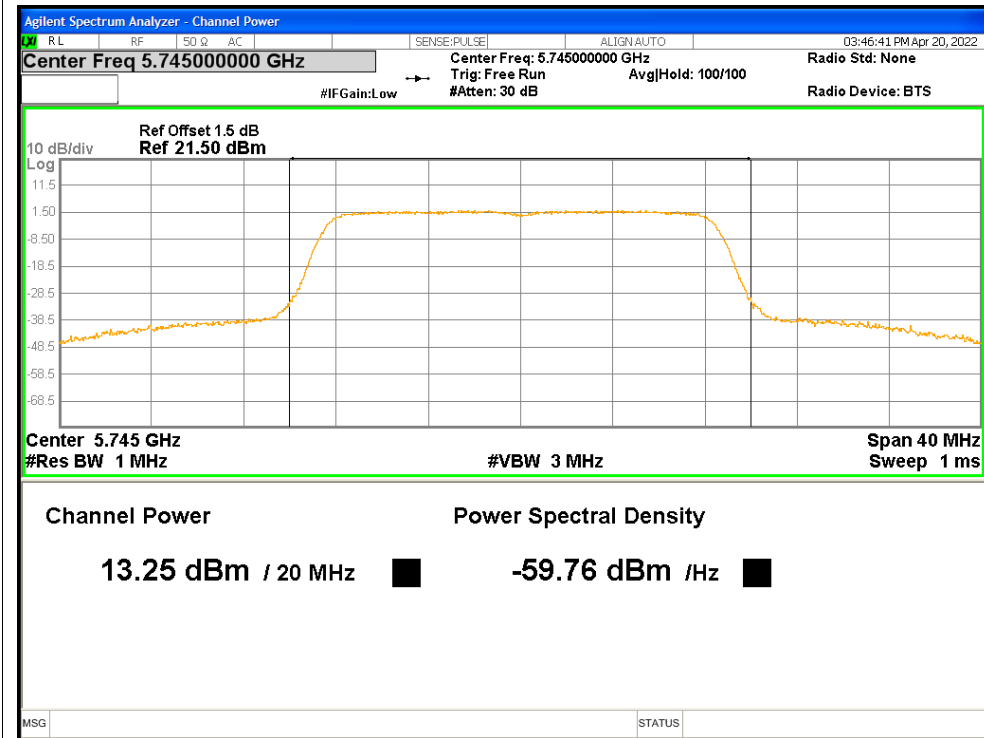
## Maximum Average Conducted Output Power

Test Channel	Frequency (MHz)	Direct measurement Ant_A AV Power (dBm)	Direct measurement Ant B_AV Power (dBm)	Duty cycle factor (dB)	Final Ant_A AV Power (dBm)	Final Ant_B AV Power (dBm)	AV Power Total (dBm)	LIMIT (dBm)
802.11a								
149	5745	13.25	12.37	0.890	14.14	13.26	--	23.98
157	5785	13.22	12.47	0.390	13.61	12.86	--	23.98
165	5825	13.11	11.63	0.250	13.36	11.88	--	23.98
802.11n(HT20)								
149	5745	12.54	11.67	0.690	13.23	12.36	15.83	23.98
157	5785	12.71	11.86	1.350	14.06	13.21	16.67	23.98
165	5825	12.22	10.96	0.420	12.64	11.38	15.09	23.98
802.11n(HT40)								
151	5755	12.19	11.20	0.490	12.68	11.69	15.22	23.98
159	5795	12.09	11.01	1.830	13.92	12.84	16.42	23.98
802.11ac(VHT20)								
149	5745	12.61	11.66	0.650	13.26	12.31	15.82	23.98
157	5785	12.64	11.71	0.500	13.14	12.21	15.71	23.98
165	5825	12.27	10.79	0.330	12.60	11.12	14.93	23.98
802.11ac(VHT40)								
151	5755	12.01	10.93	0.750	12.76	11.68	15.26	23.98
159	5795	11.93	10.98	0.920	12.85	11.90	15.41	23.98
802.11ac(VHT80)								
155	5775	11.25	10.03	1.660	12.91	11.69	15.35	23.98

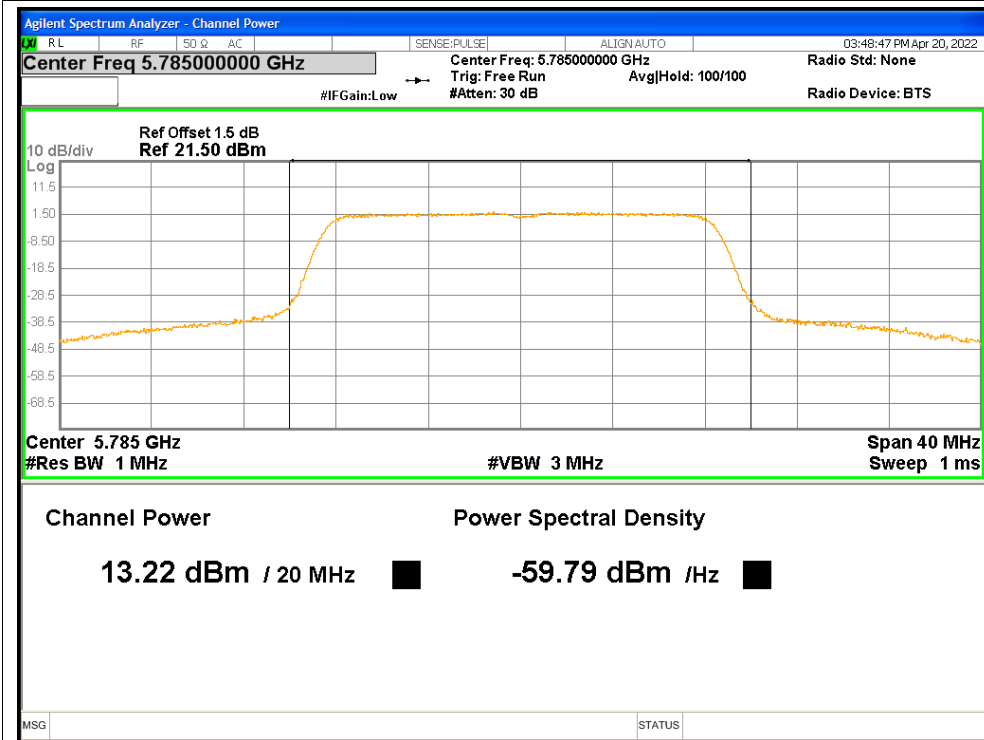
ANT A

Test Graphs

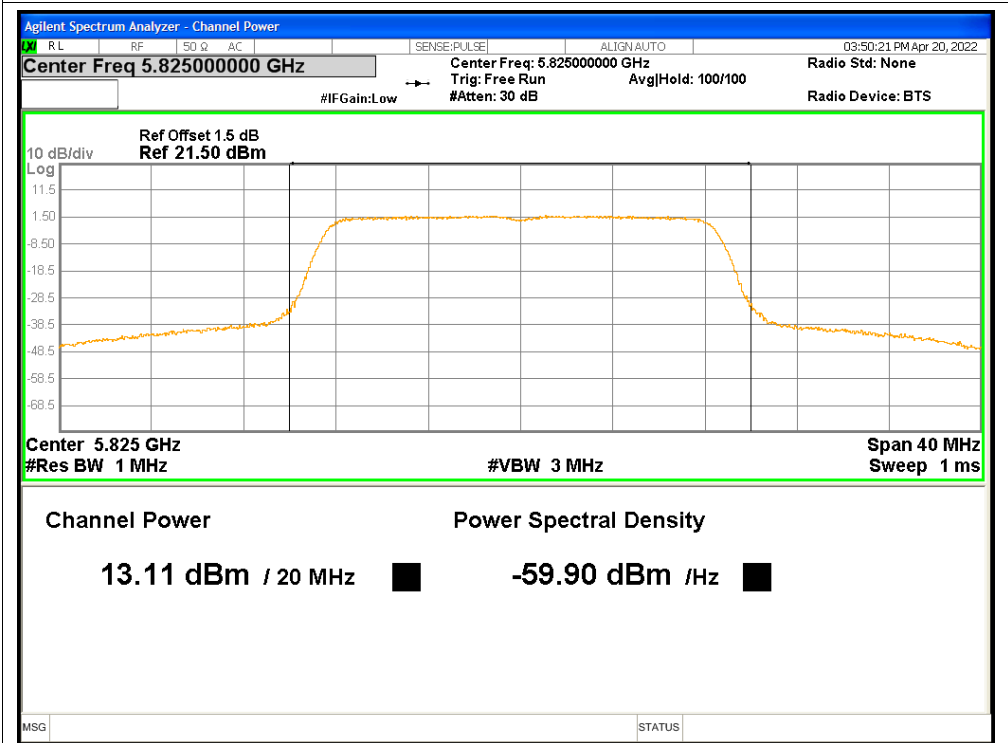
Average Power NVNT a 5745MHz



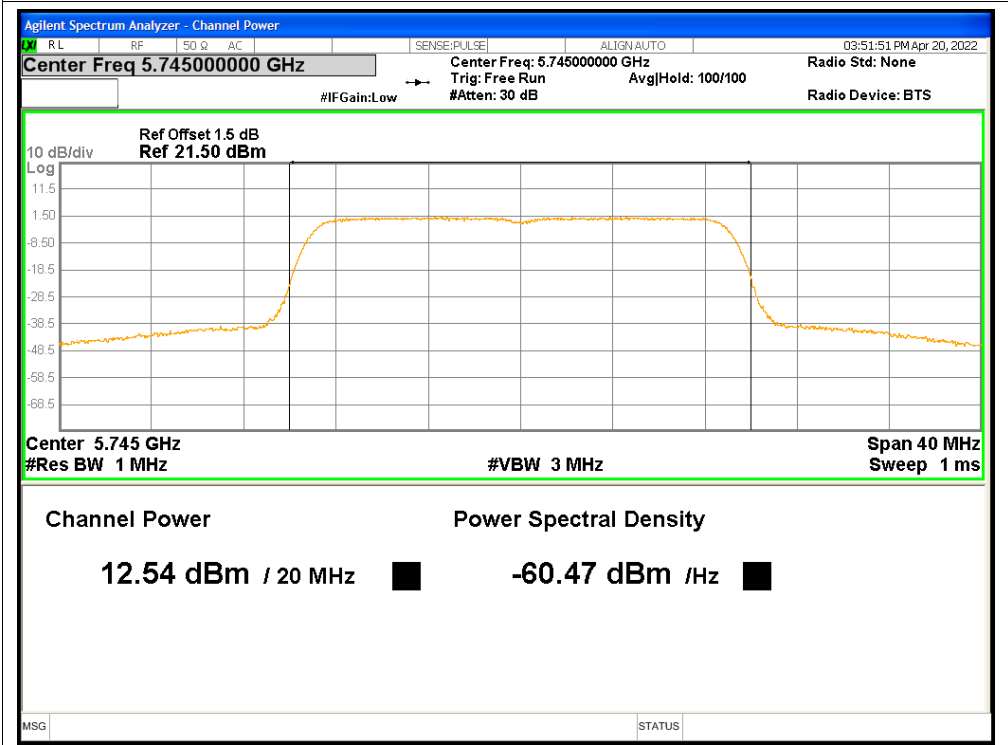
Average Power NVNT a 5785MHz



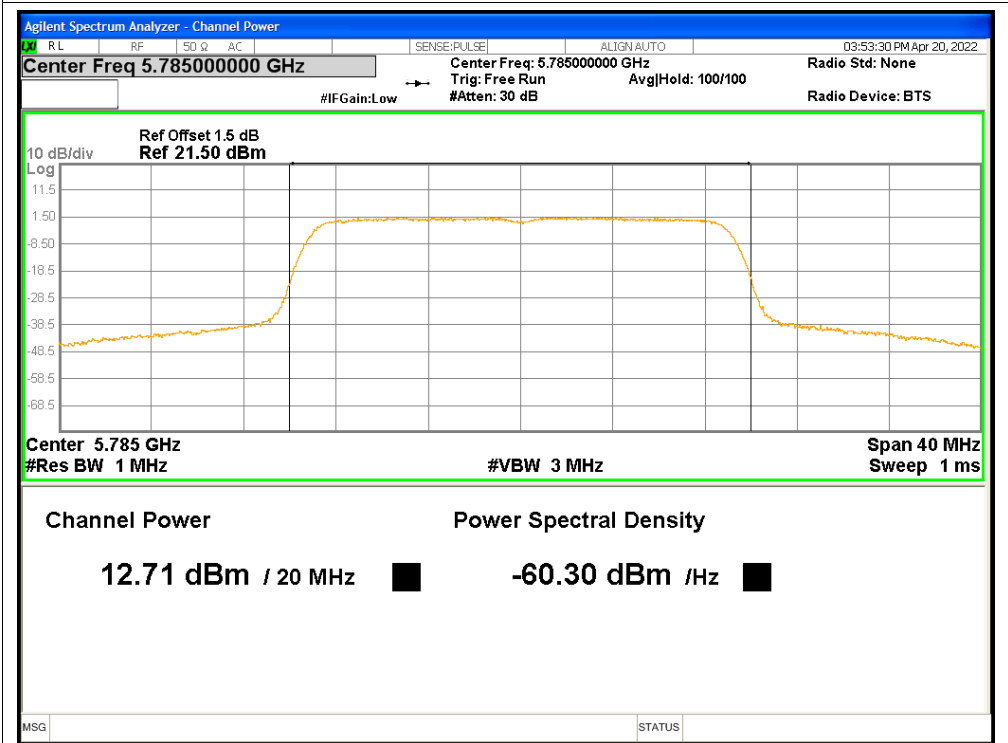
Average Power NVNT a 5825MHz



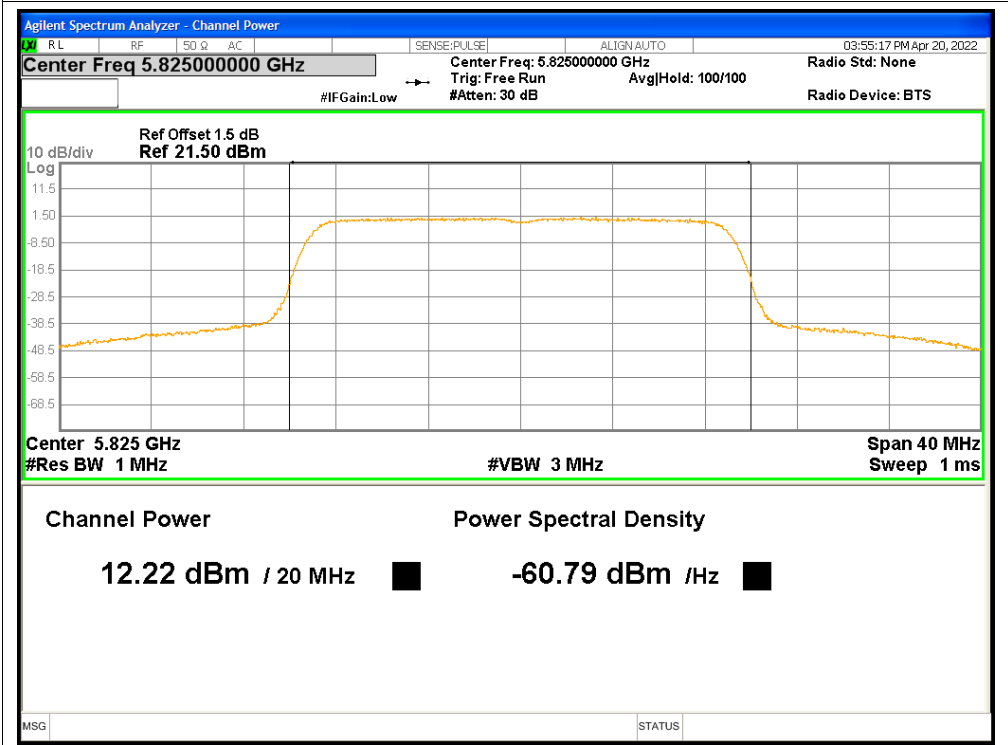
Average Power NVNT n20 5745MHz



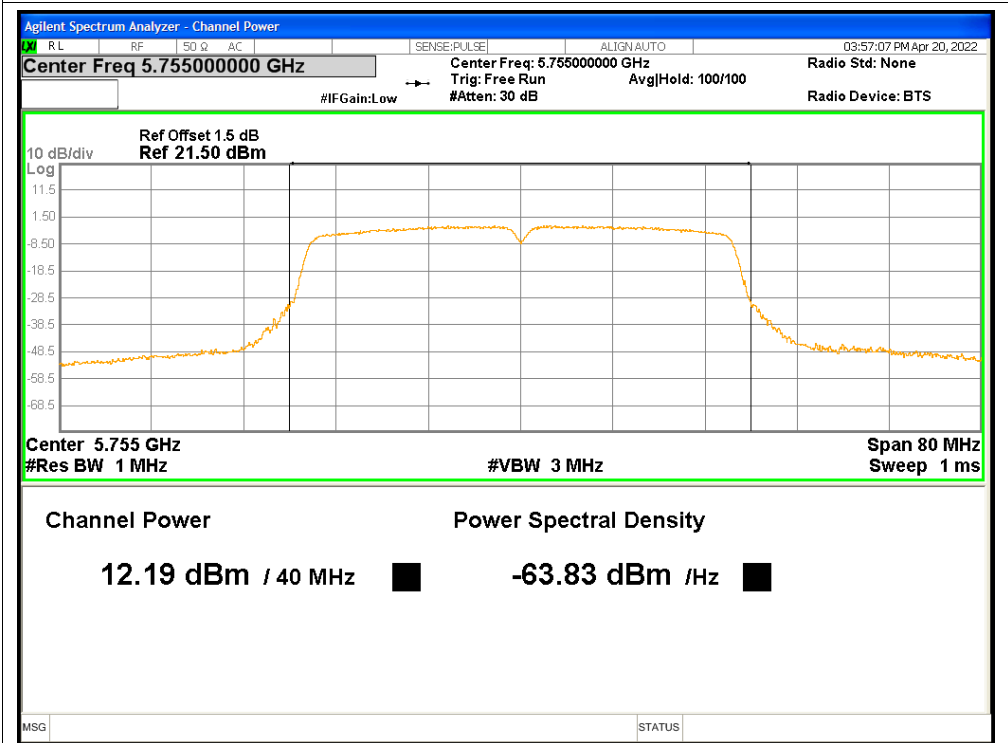
Average Power NVNT n20 5785MHz



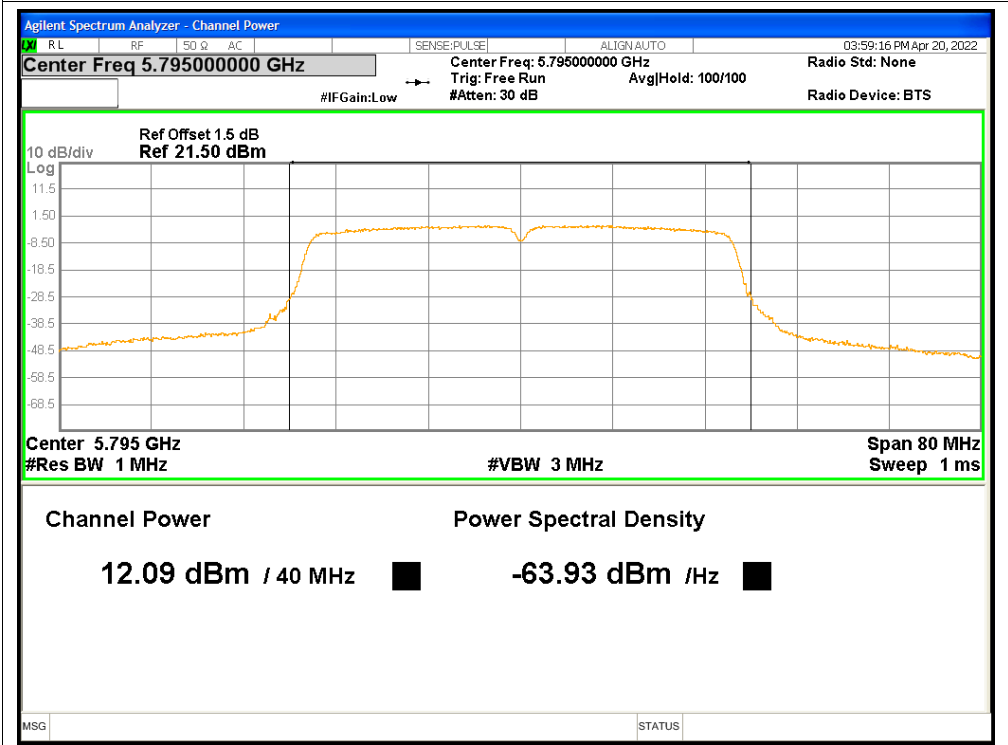
Average Power NVNT n20 5825MHz



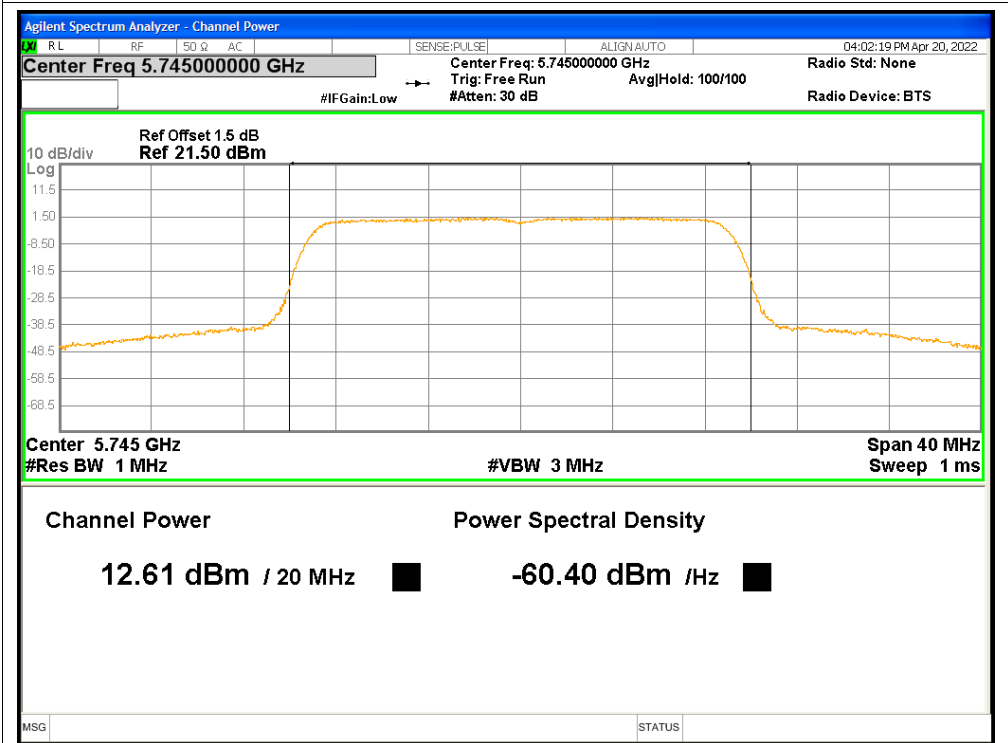
Average Power NVNT n40 5755MHz



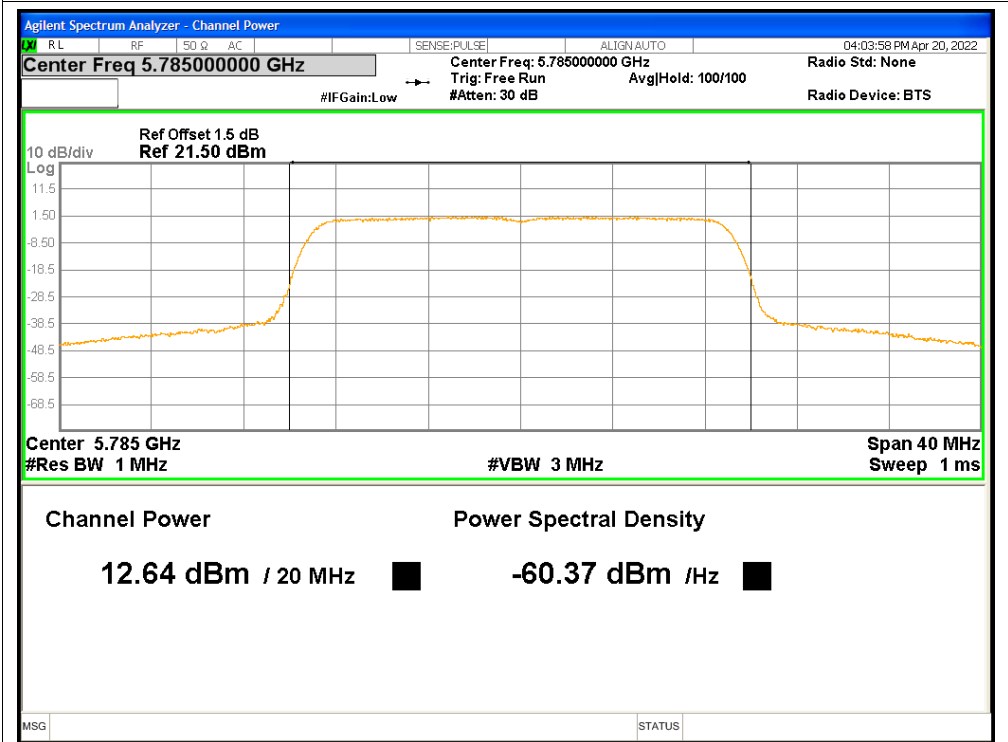
Average Power NVNT n40 5795MHz



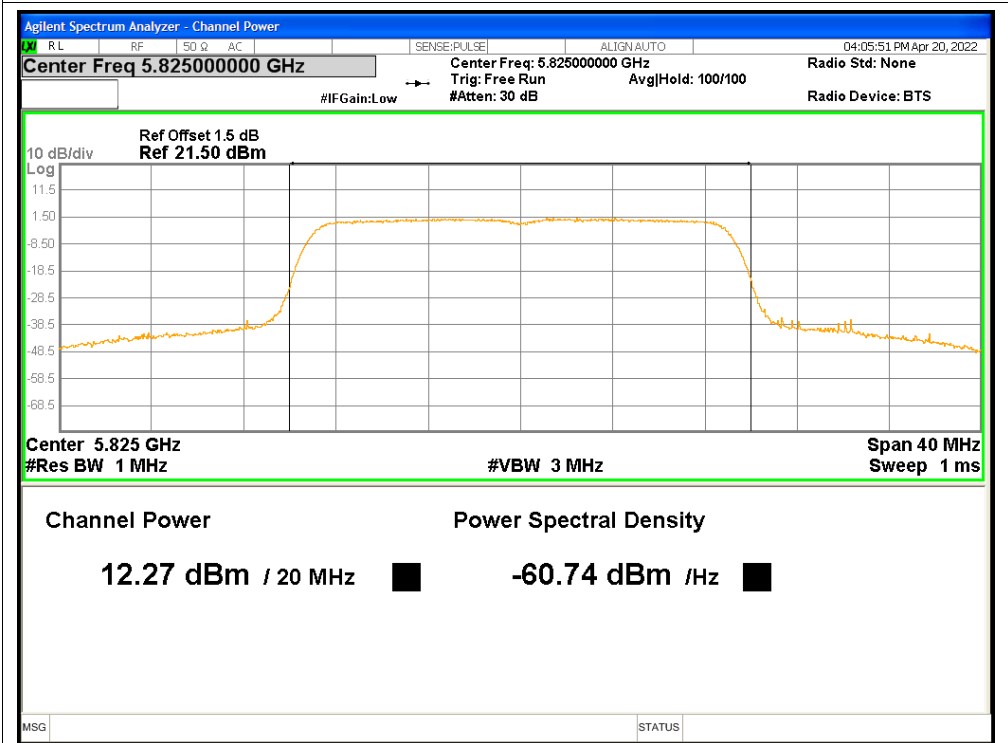
Average Power NVNT ac20 5745MHz



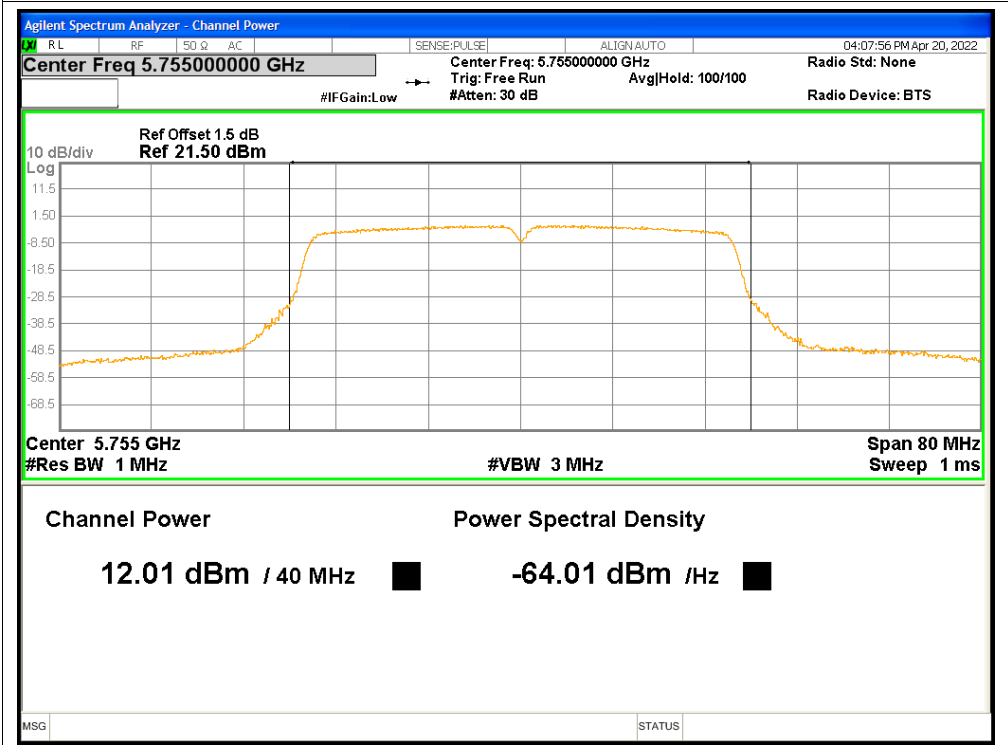
Average Power NVNT ac20 5785MHz



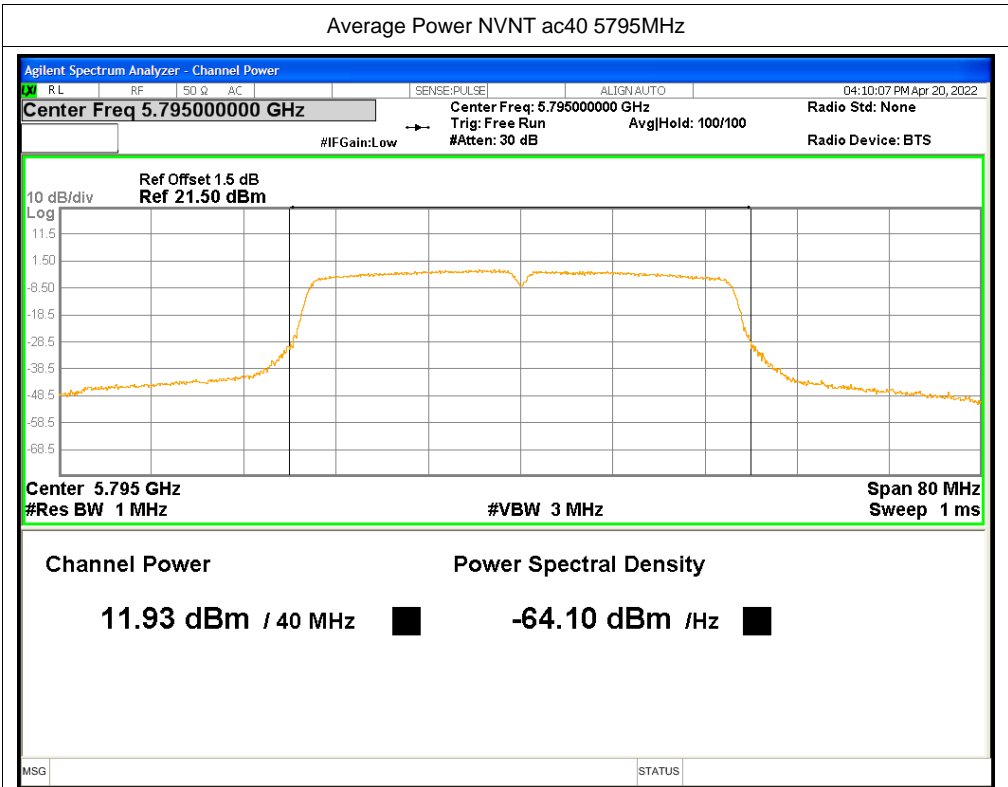
Average Power NVNT ac20 5825MHz



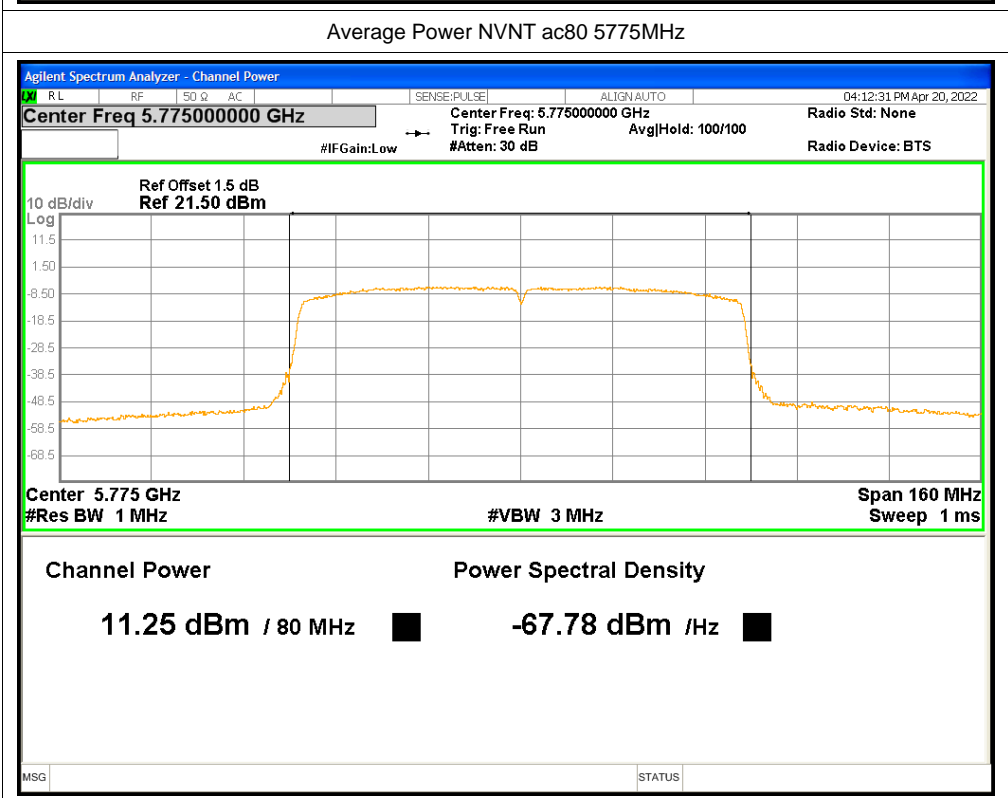
Average Power NVNT ac40 5755MHz



Average Power NVNT ac40 5795MHz



Average Power NVNT ac80 5775MHz

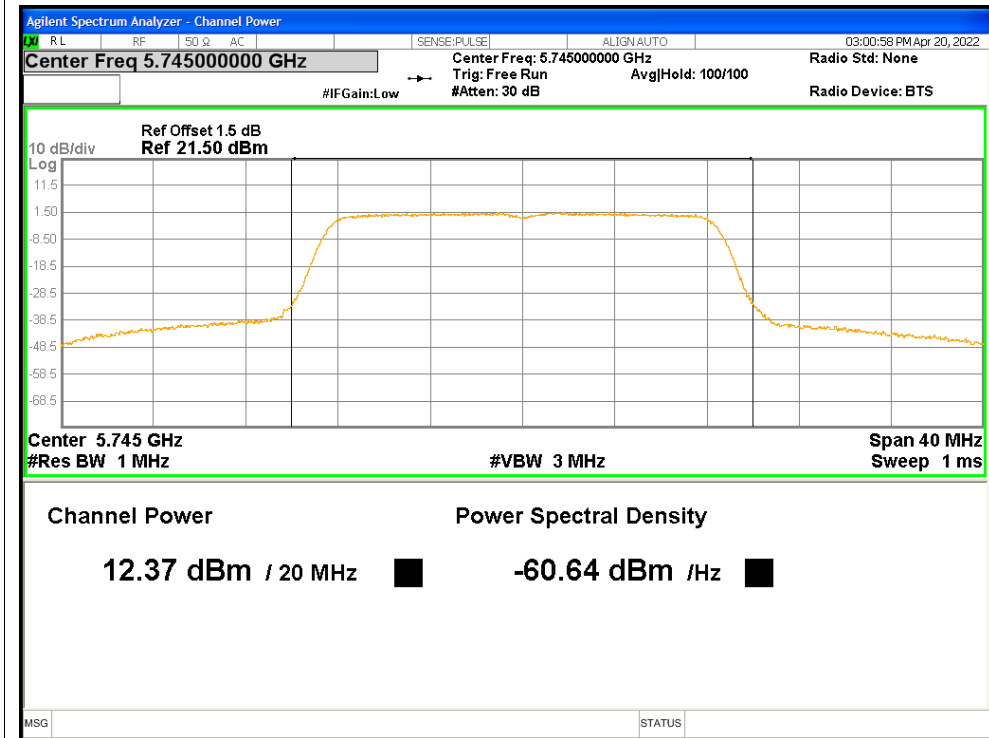




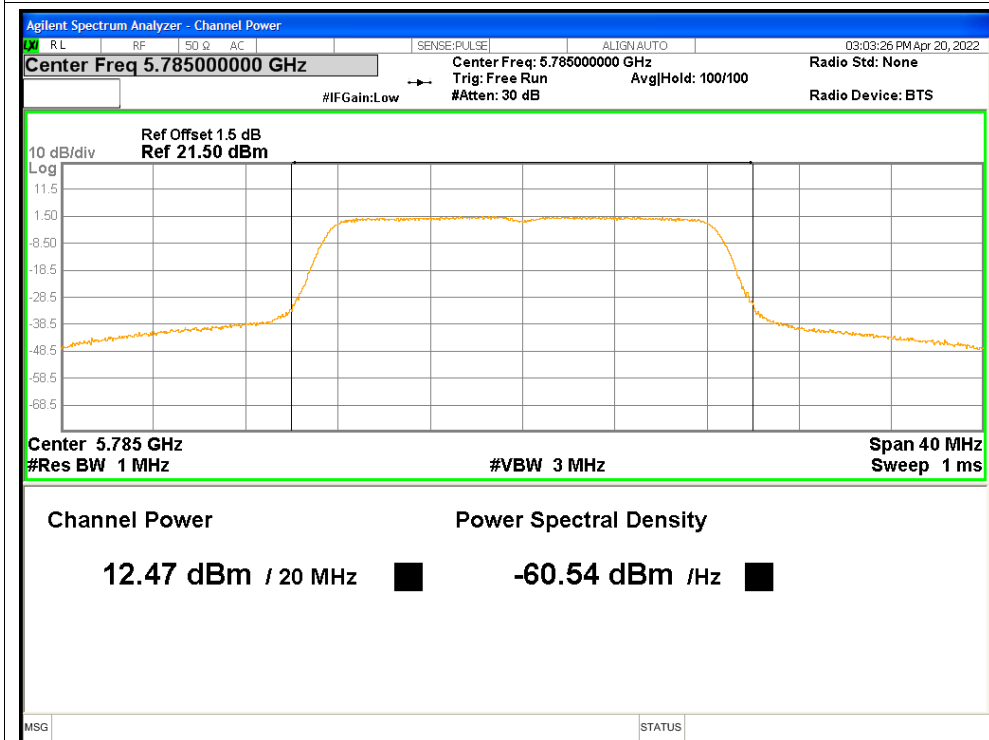
ANT B

Test Graphs

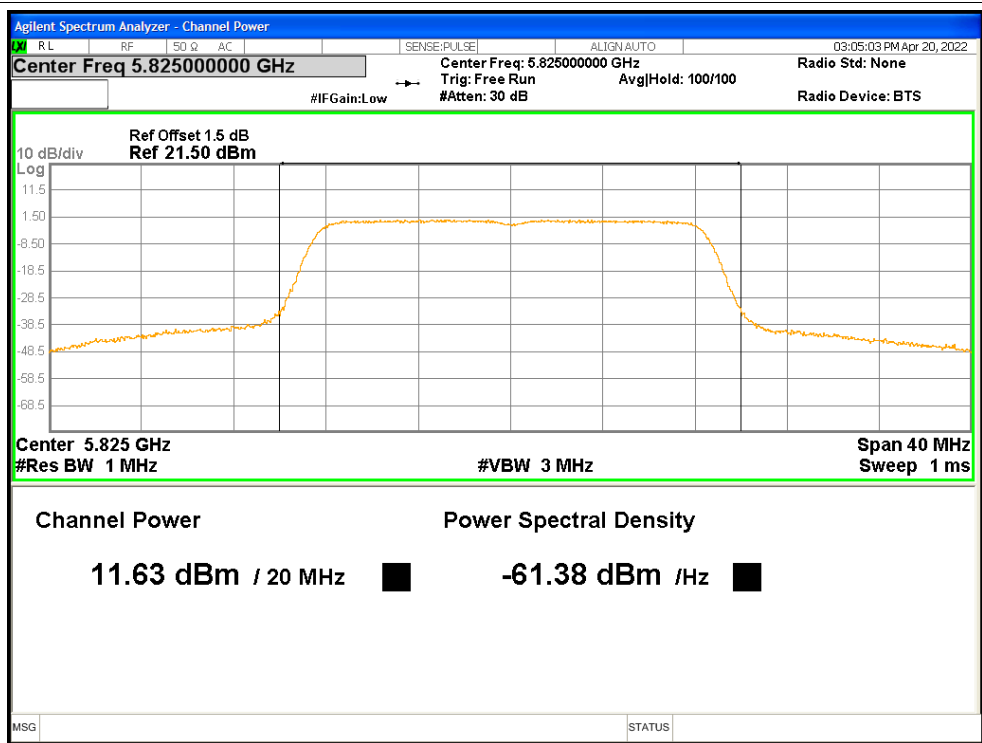
Average Power NVNT a 5745MHz



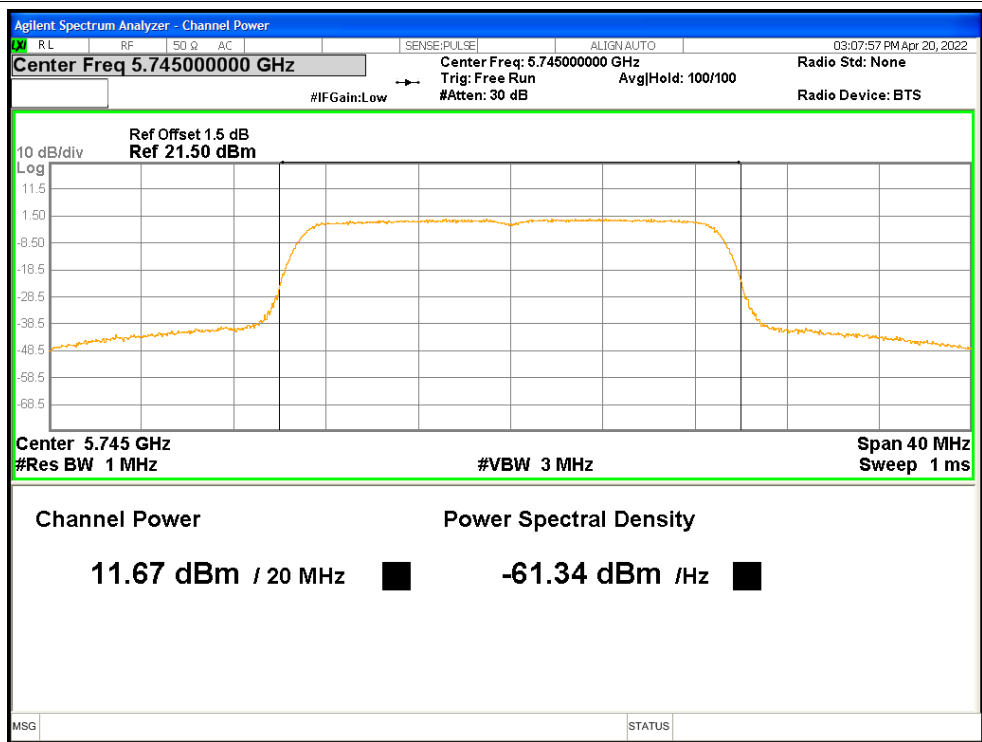
Average Power NVNT a 5785MHz



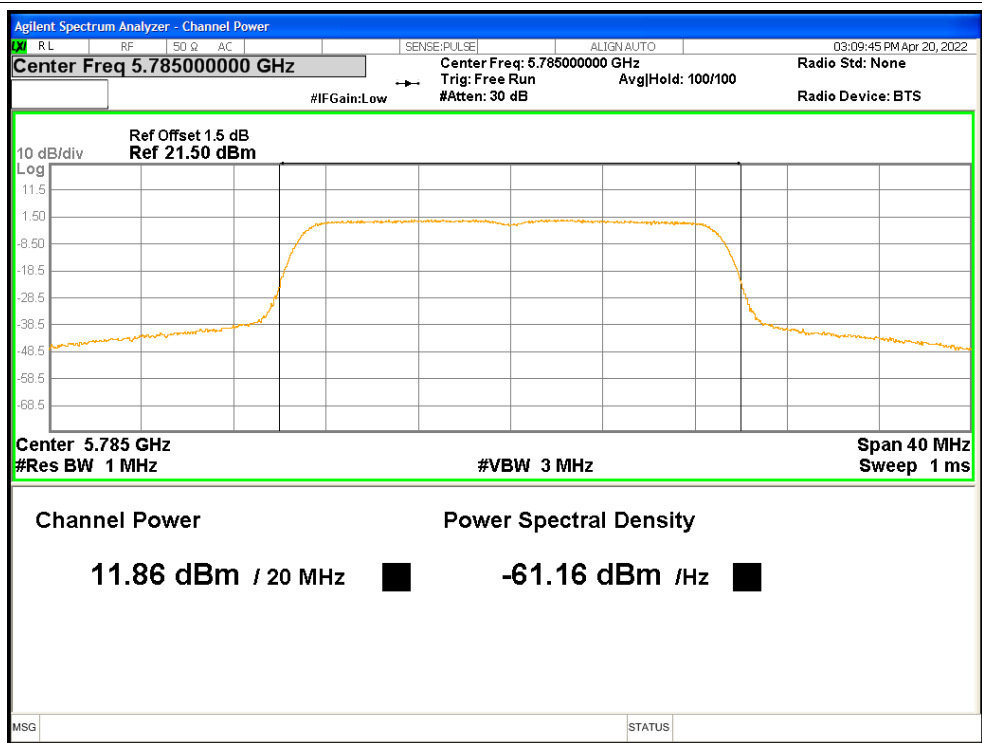
Average Power NVNT a 5825MHz



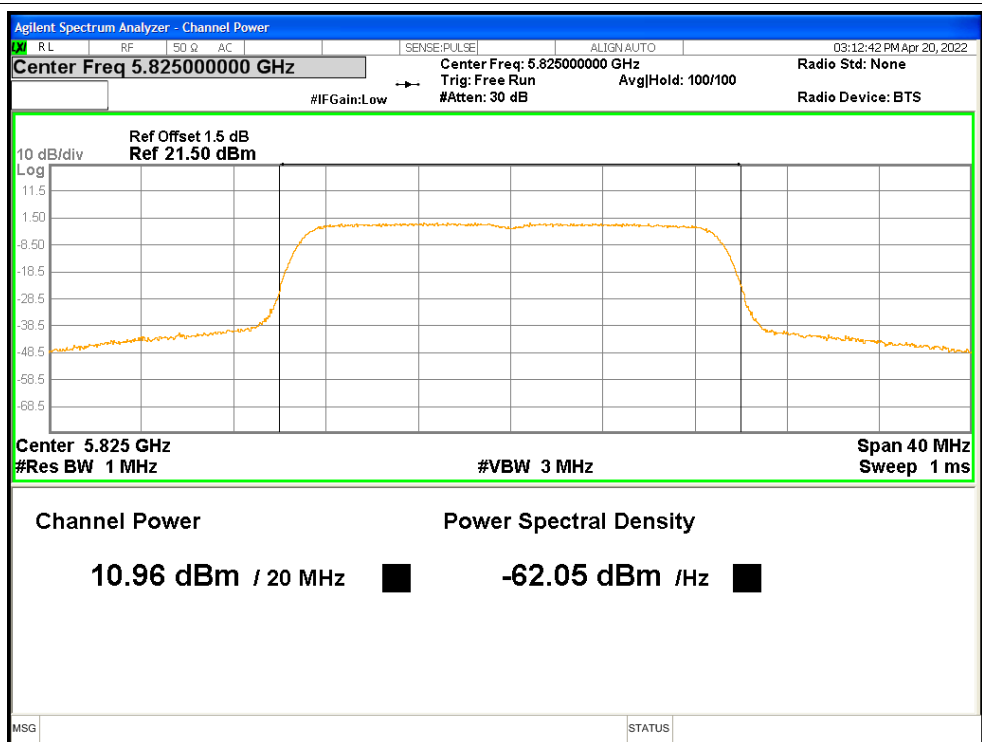
Average Power NVNT n20 5745MHz



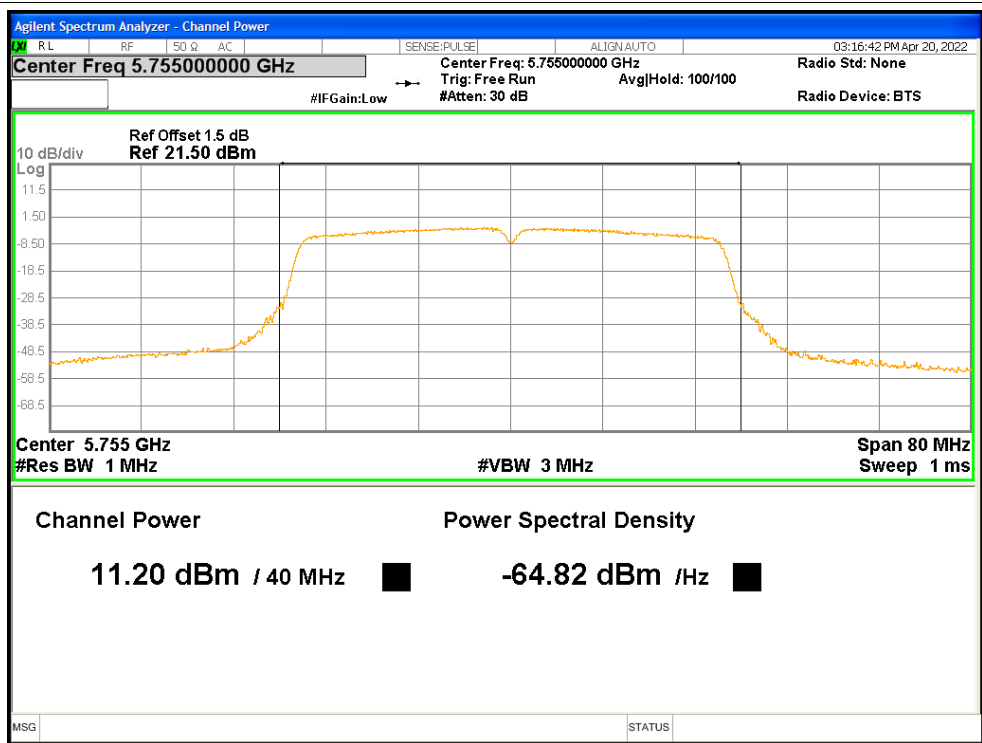
Average Power NVNT n20 5785MHz



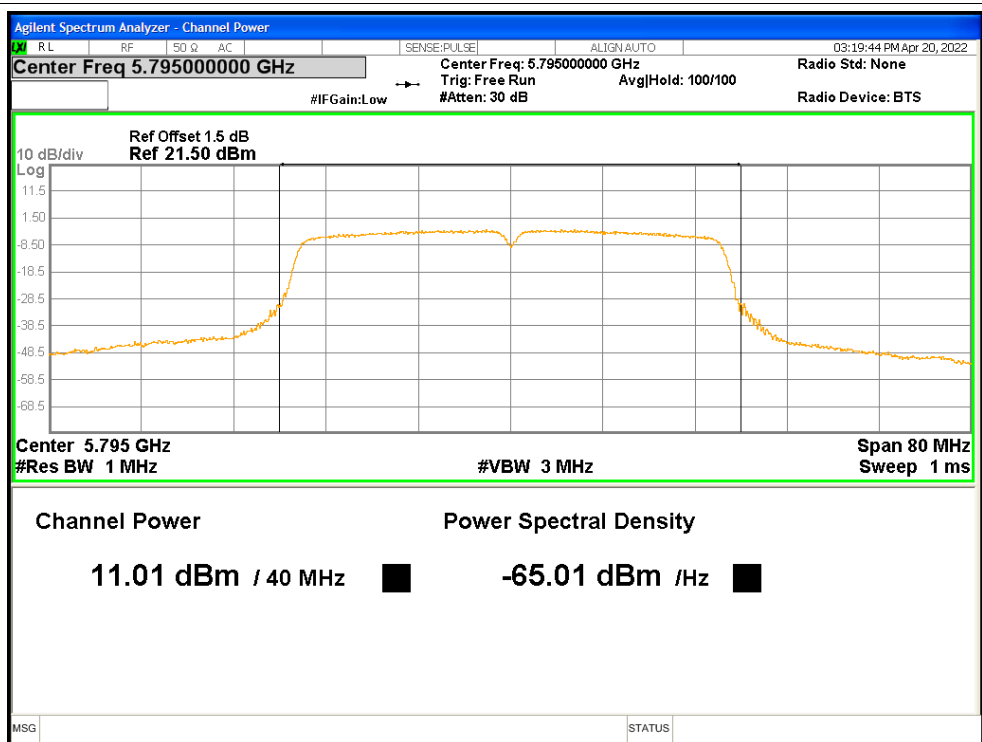
Average Power NVNT n20 5825MHz



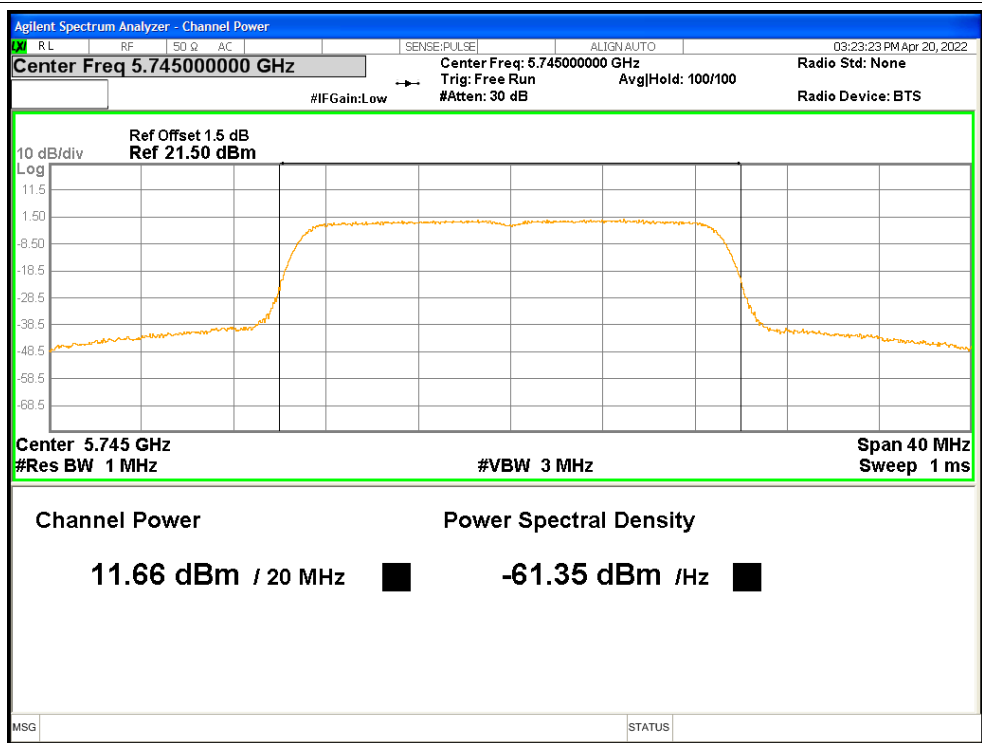
Average Power NVNT n40 5755MHz



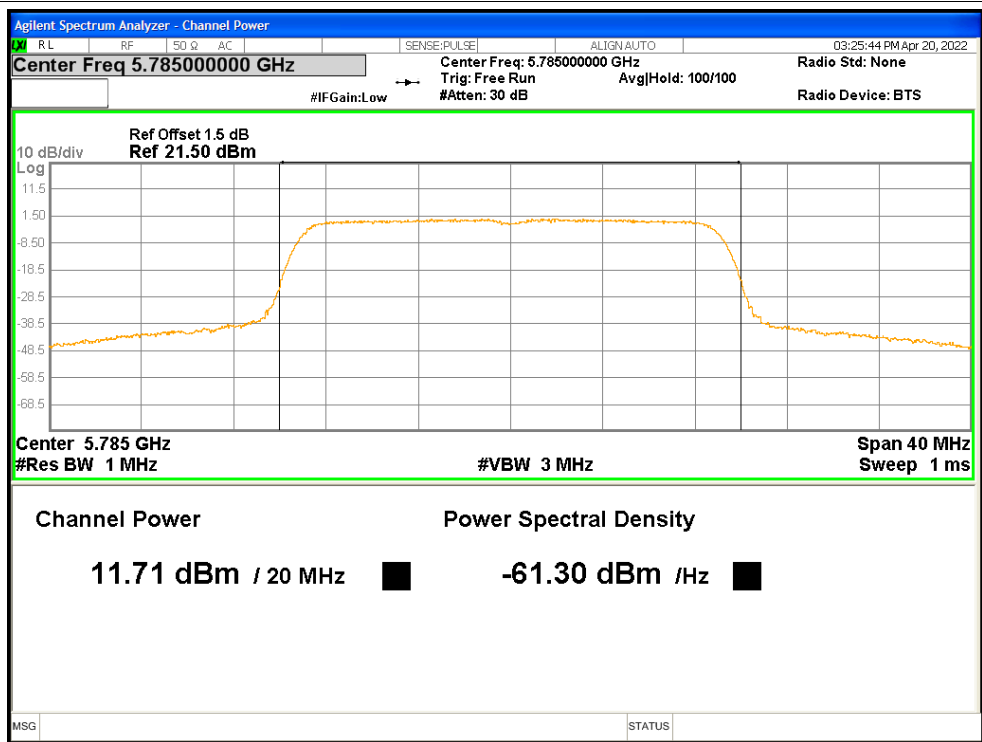
Average Power NVNT n40 5795MHz

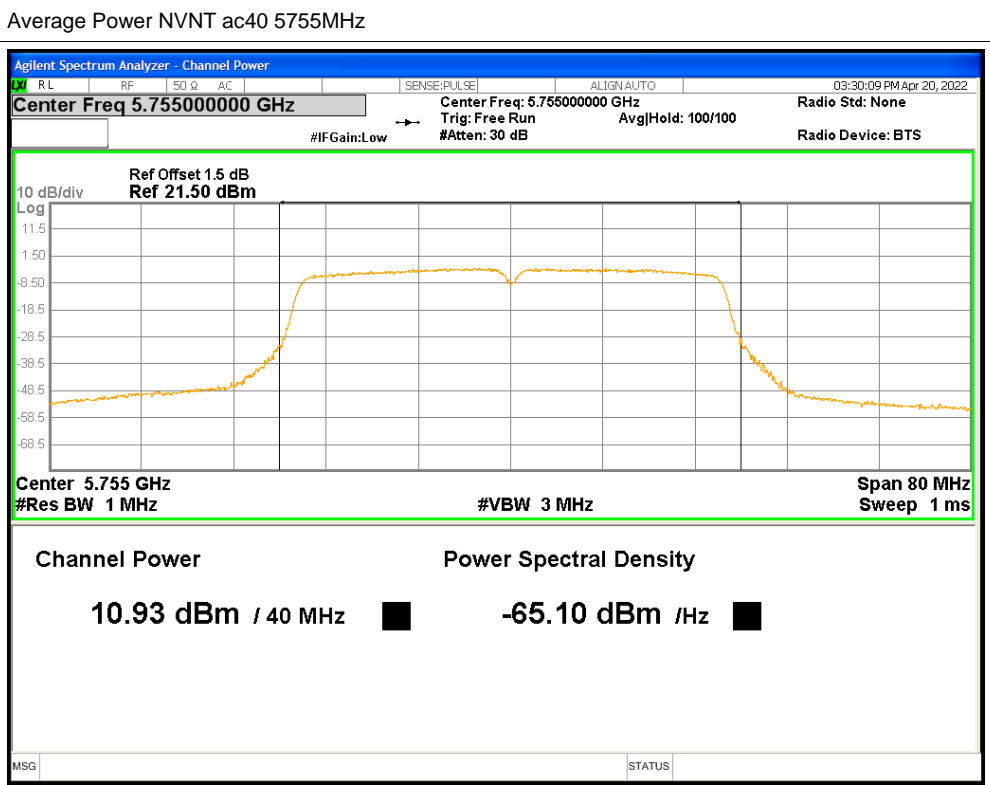
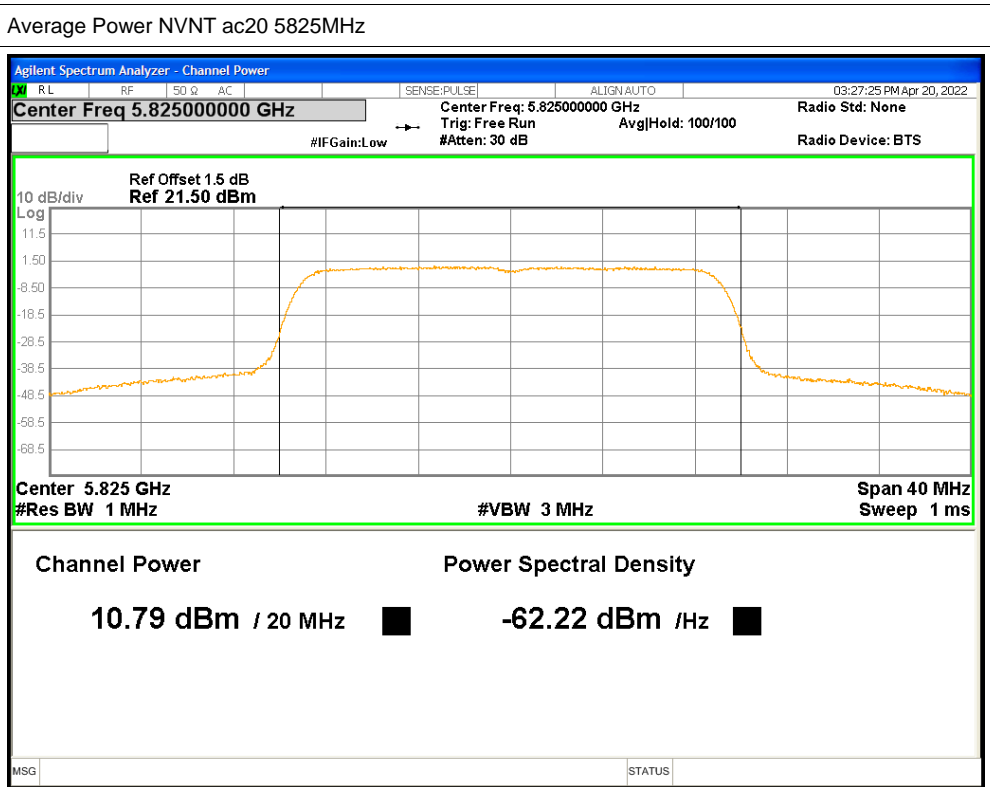


Average Power NVNT ac20 5745MHz

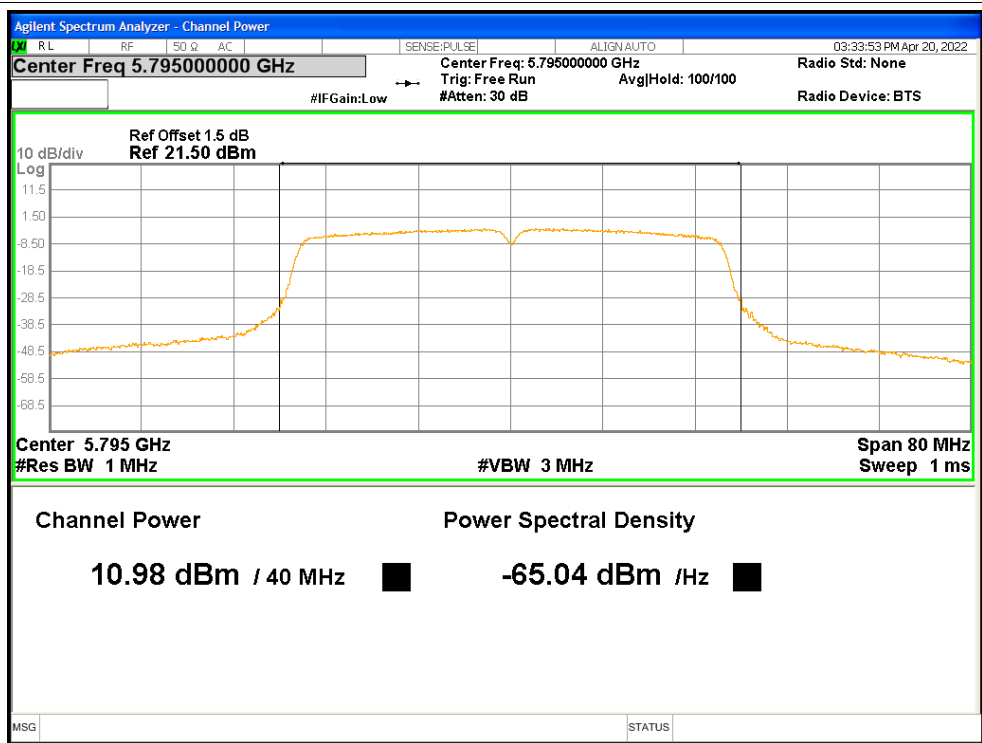


Average Power NVNT ac20 5785MHz

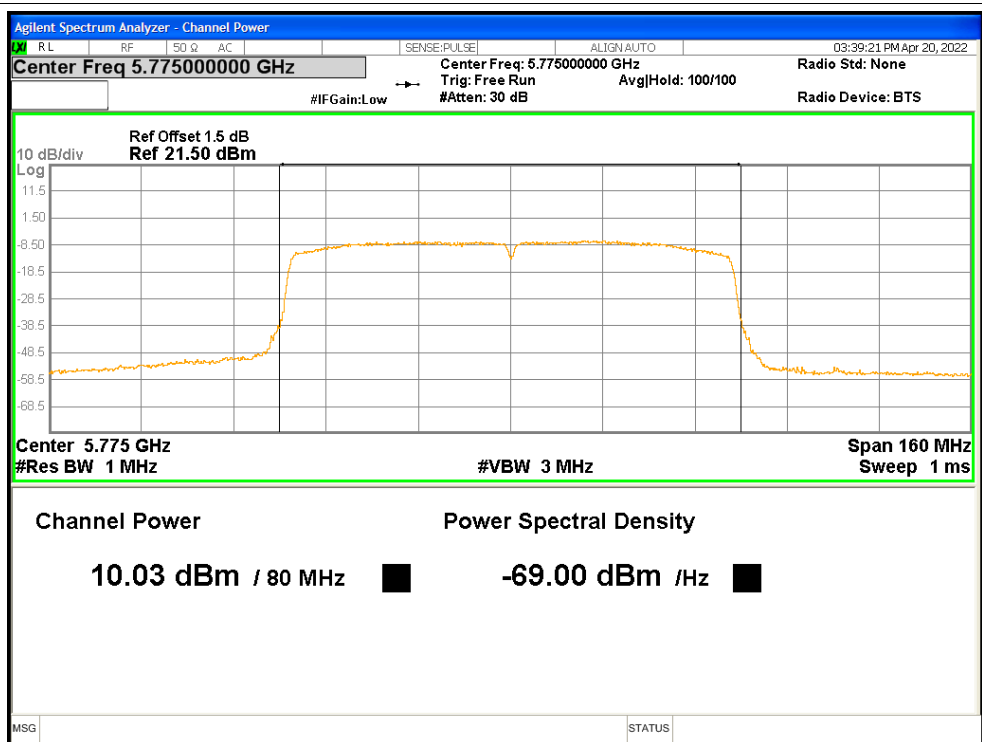




Average Power NVNT ac40 5795MHz



Average Power NVNT ac80 5775MHz



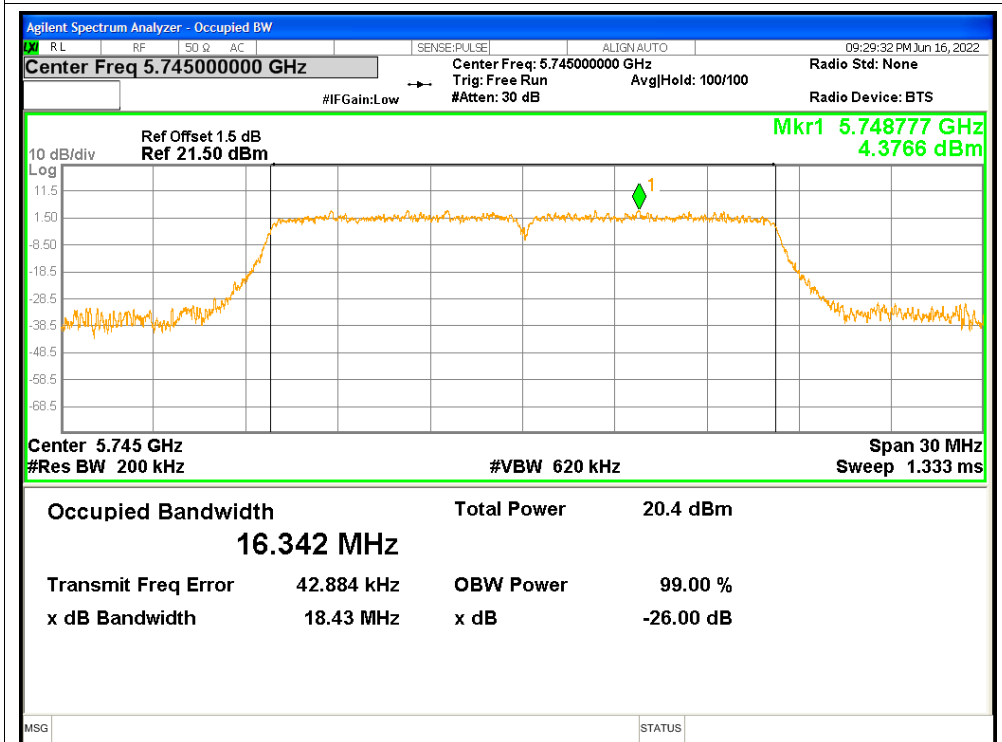
## 1. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5745	16.342
NVNT	a	5785	16.39
NVNT	a	5825	16.391
NVNT	n20	5745	17.537
NVNT	n20	5785	17.552
NVNT	n20	5825	17.559
NVNT	n40	5755	36.117
NVNT	n40	5795	36.128
NVNT	ac20	5745	17.535
NVNT	ac20	5785	17.56
NVNT	ac20	5825	17.557
NVNT	ac40	5755	36.1
NVNT	ac40	5795	36.087
NVNT	ac80	5775	74.711

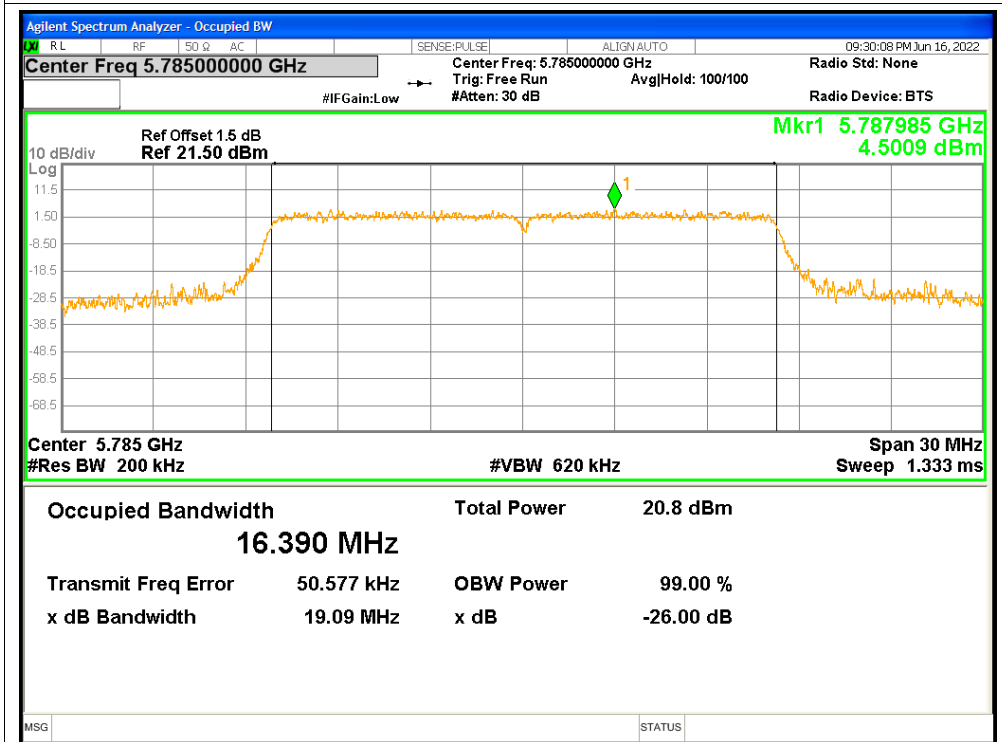


### Test Graphs

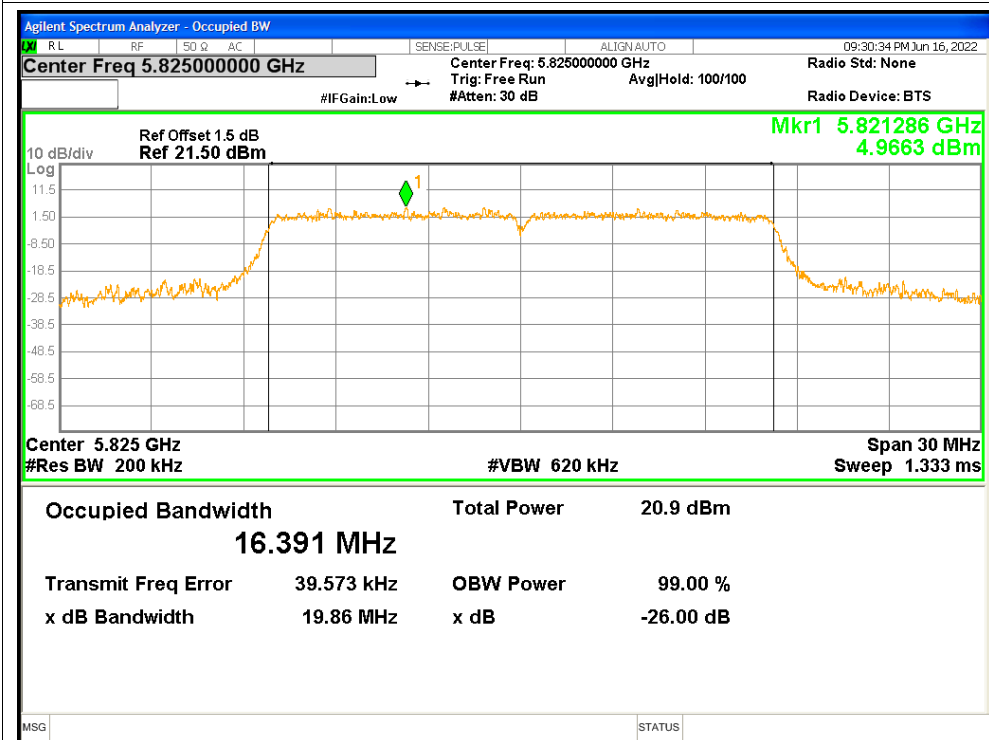
#### OBW NVNT a 5745MHz



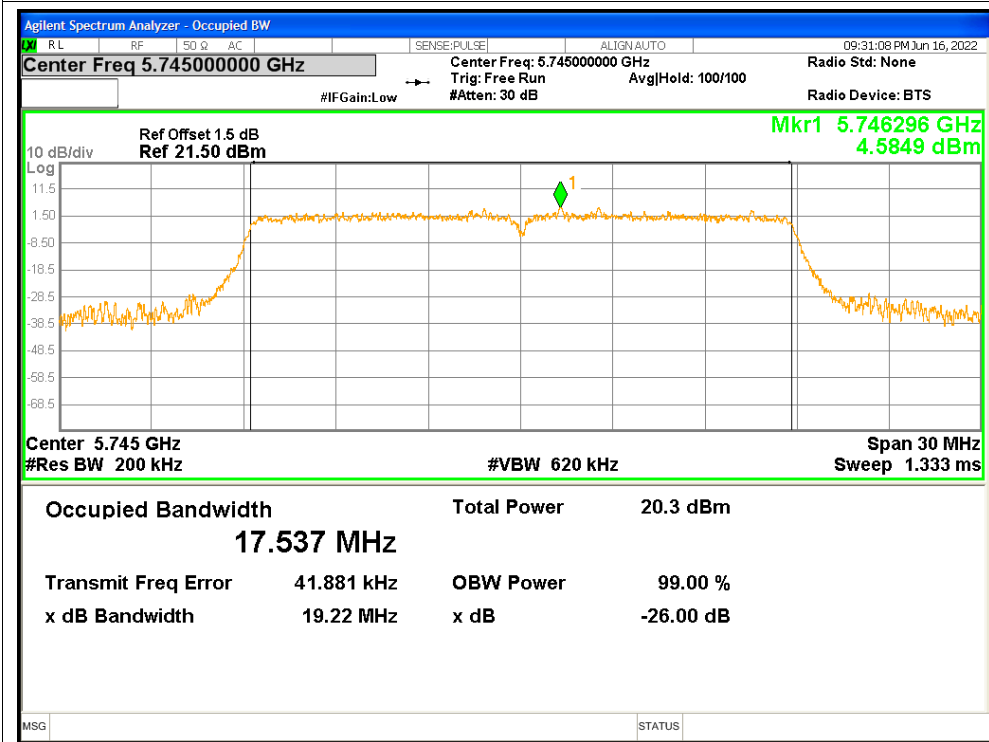
#### OBW NVNT a 5785MHz



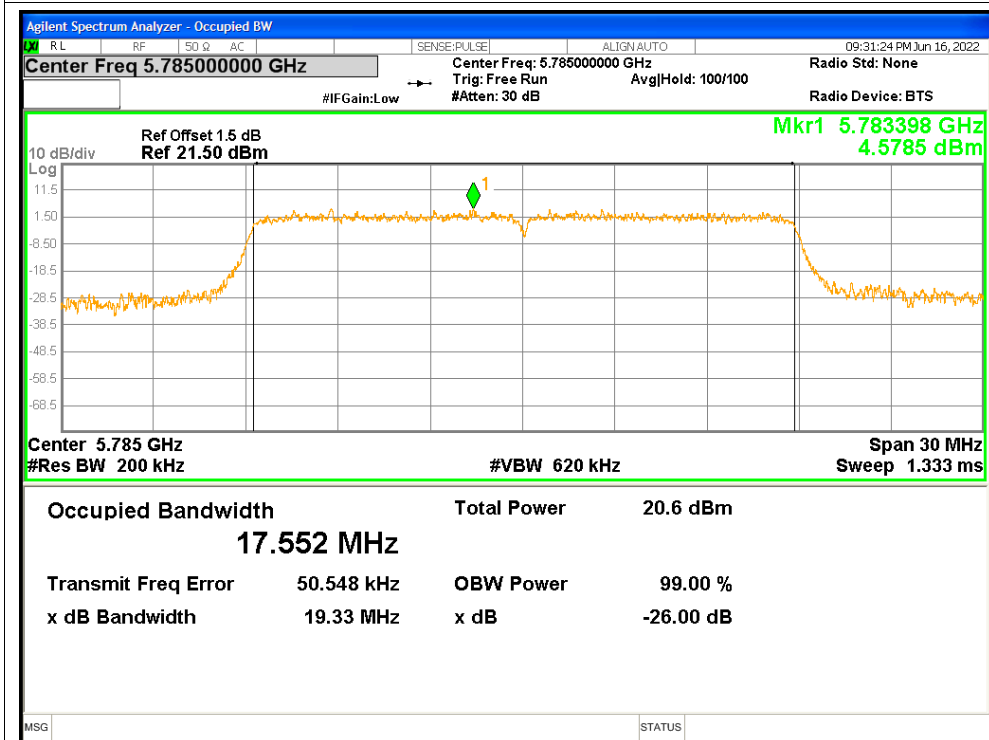
### OBW NVNT a 5825MHz



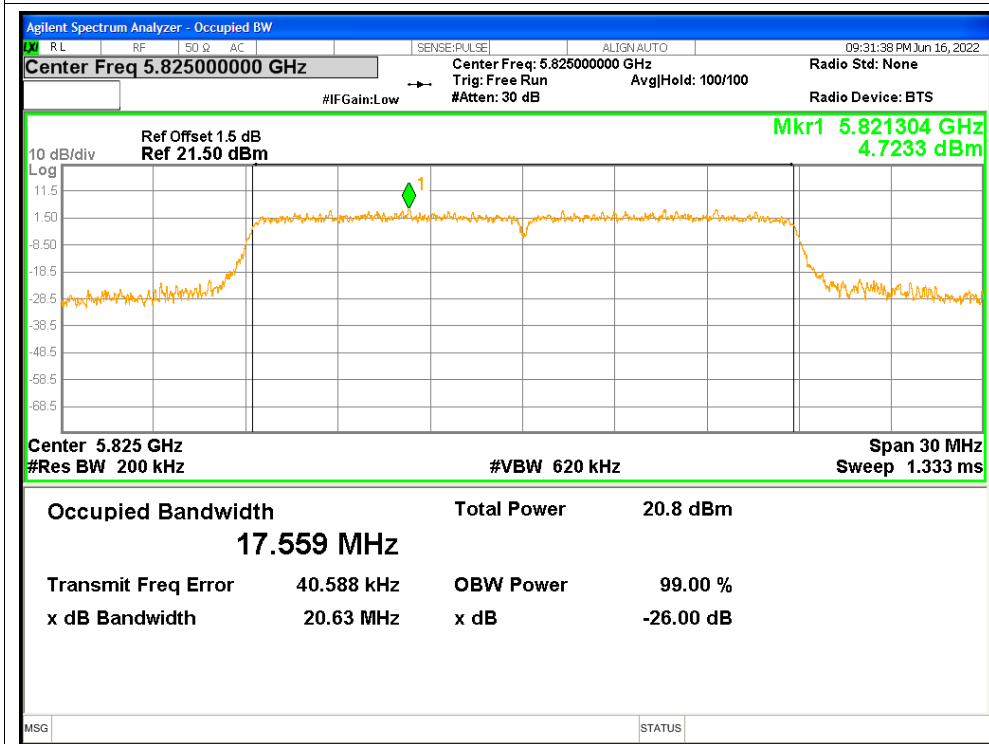
### OBW NVNT n20 5745MHz



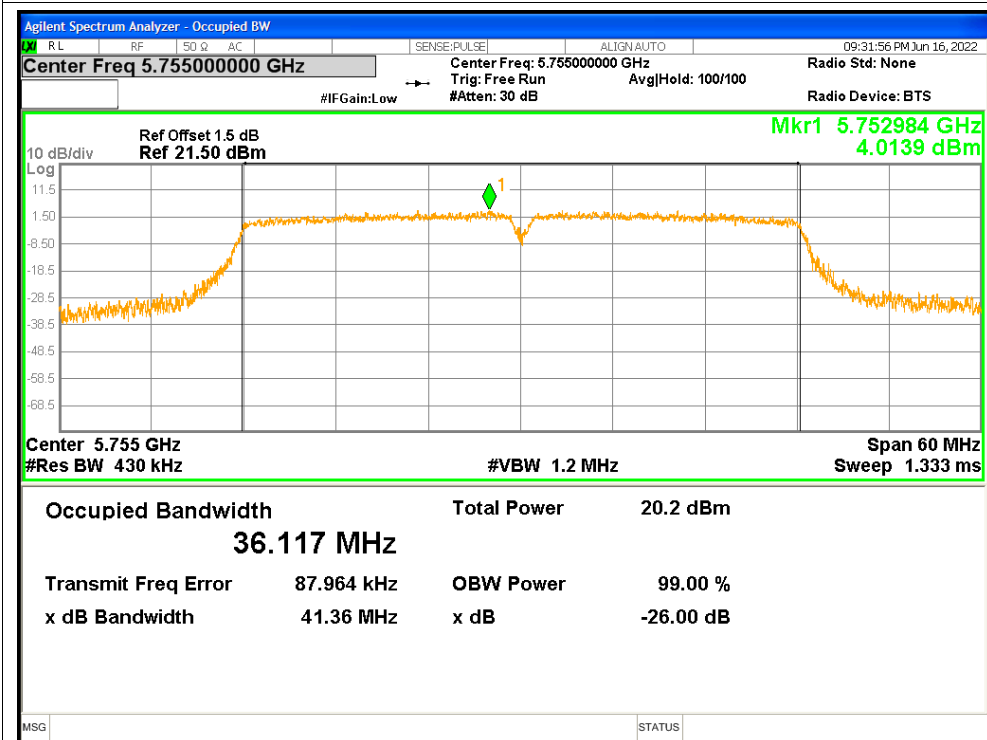
### OBW NVNT n20 5785MHz



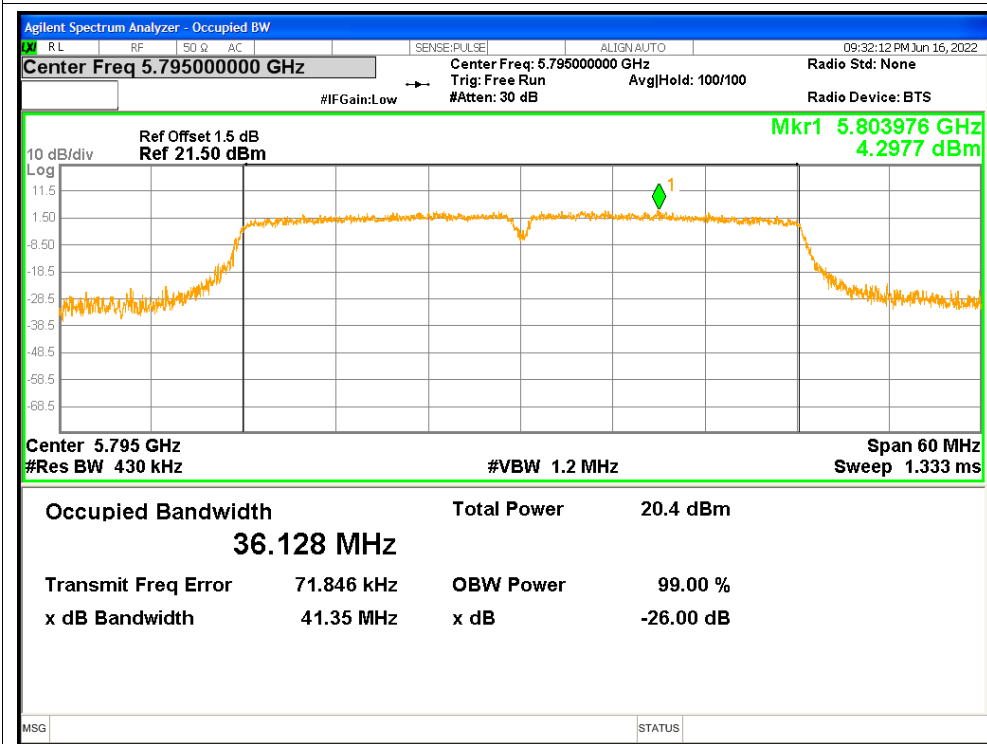
### OBW NVNT n20 5825MHz



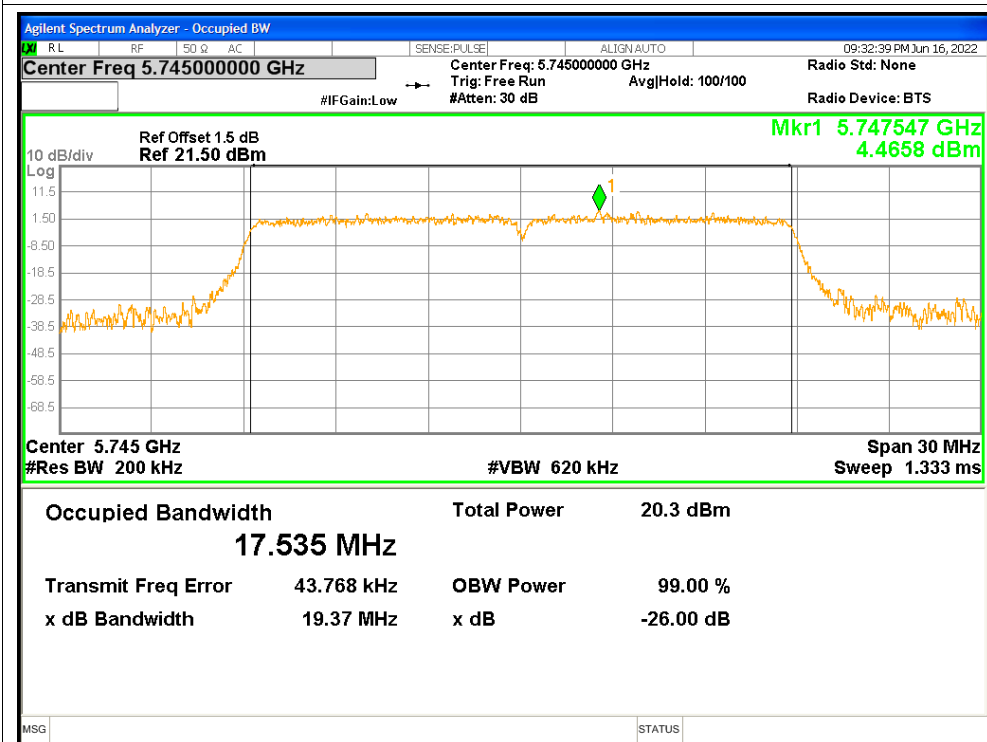
### OBW NVNT n40 5755MHz



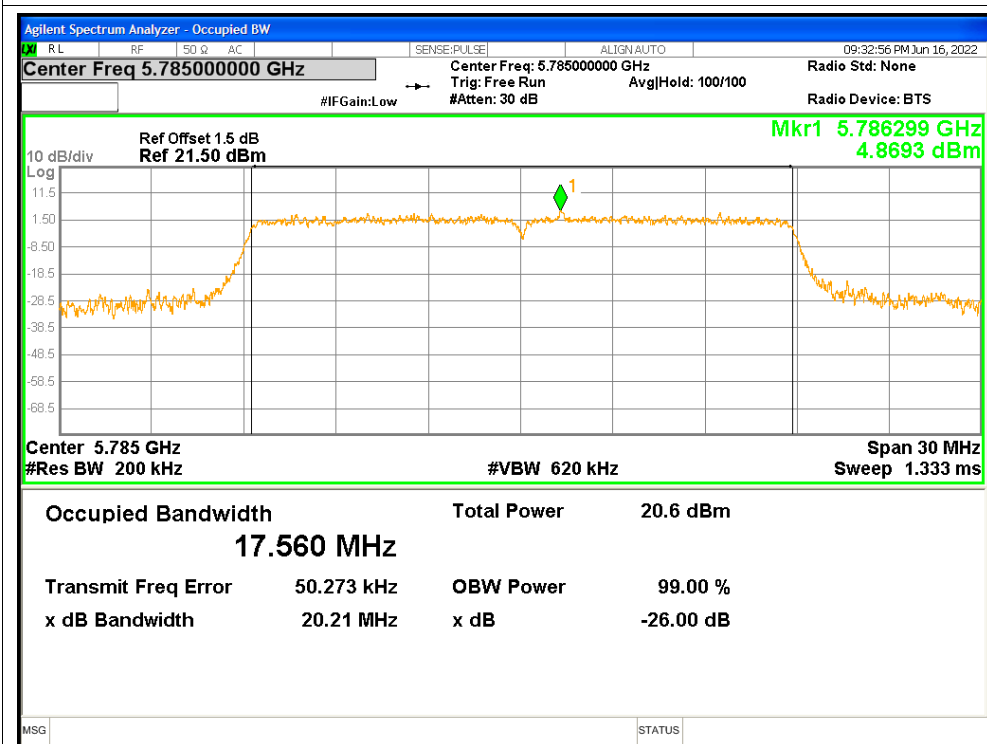
### OBW NVNT n40 5795MHz



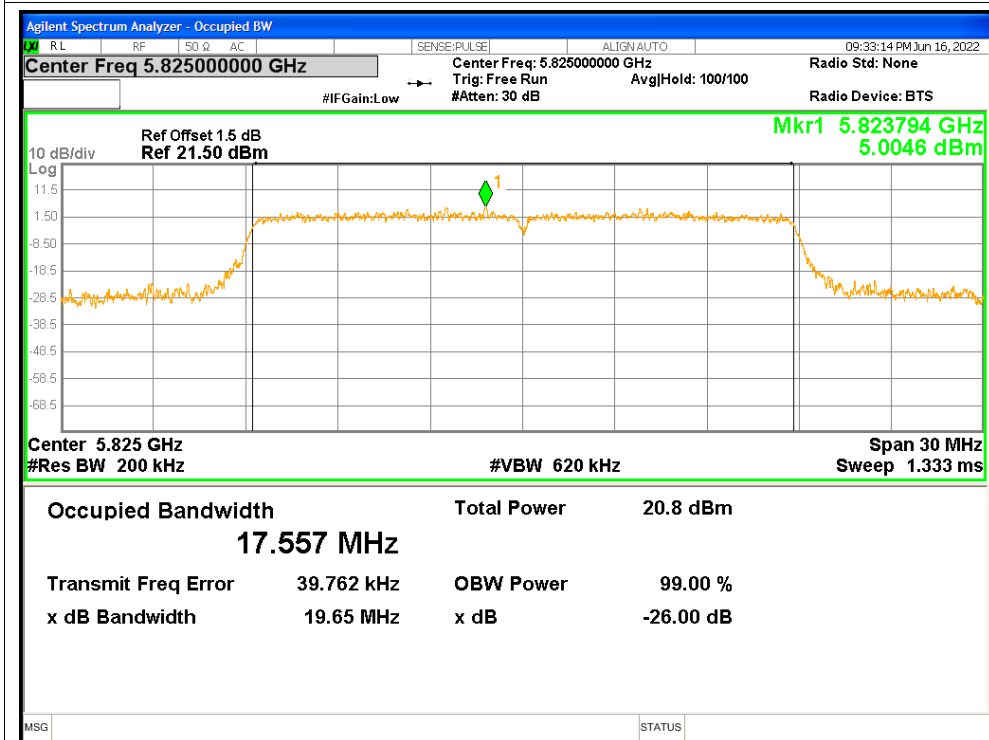
### OBW NVNT ac20 5745MHz



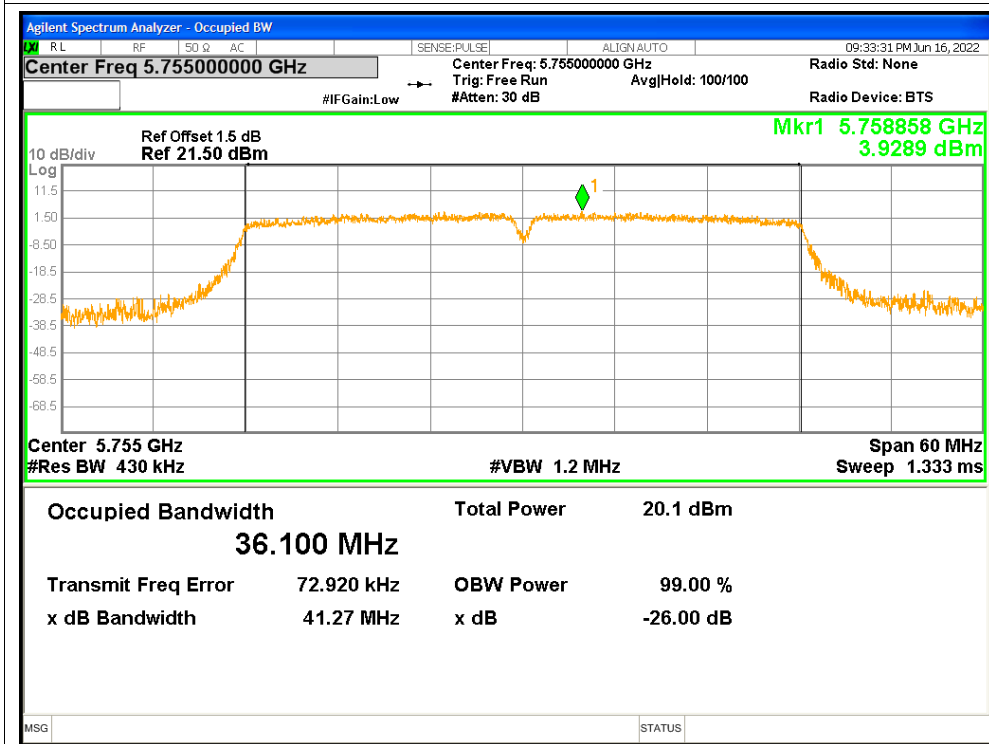
### OBW NVNT ac20 5785MHz



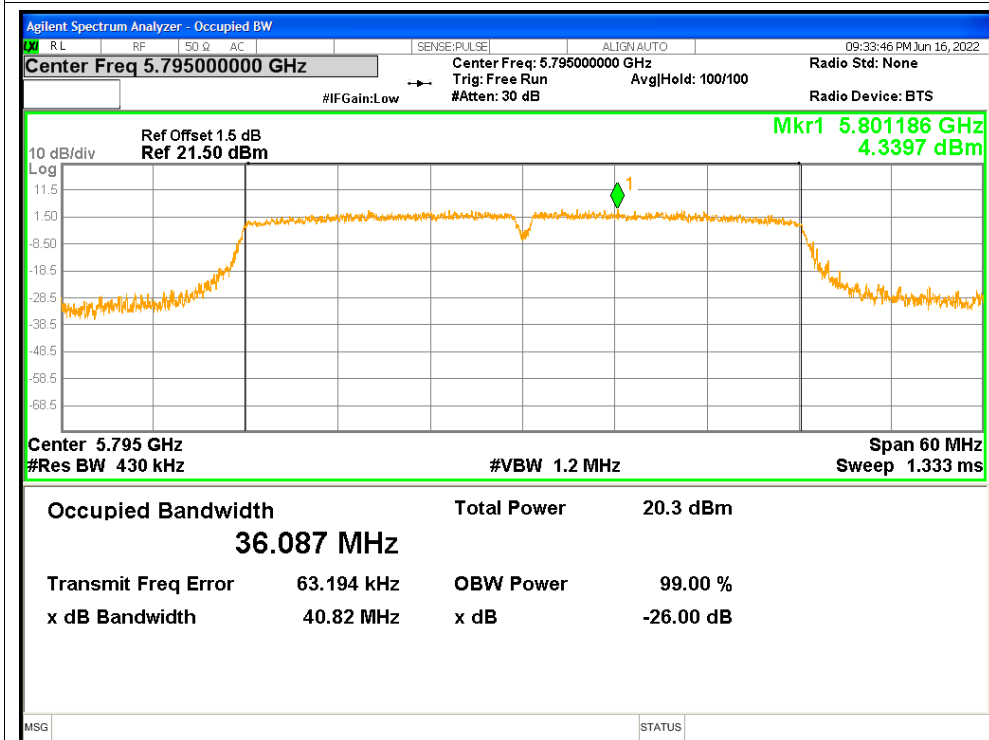
### OBW NVNT ac20 5825MHz



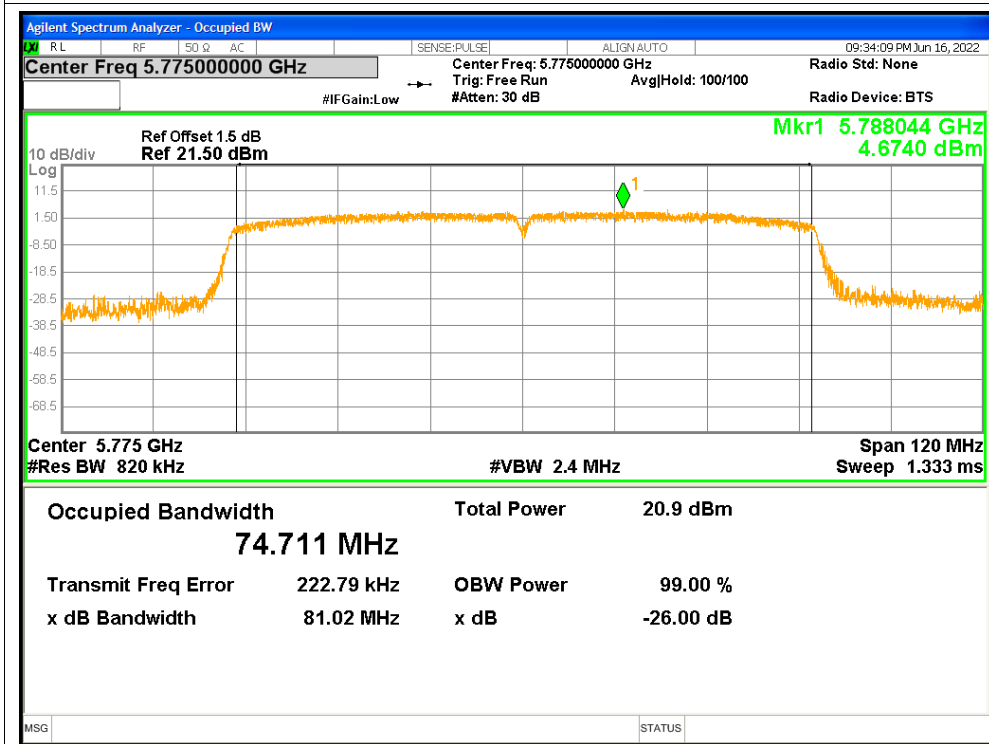
### OBW NVNT ac40 5755MHz



### OBW NVNT ac40 5795MHz



### OBW NVNT ac80 5775MHz



## -6dB Bandwidth

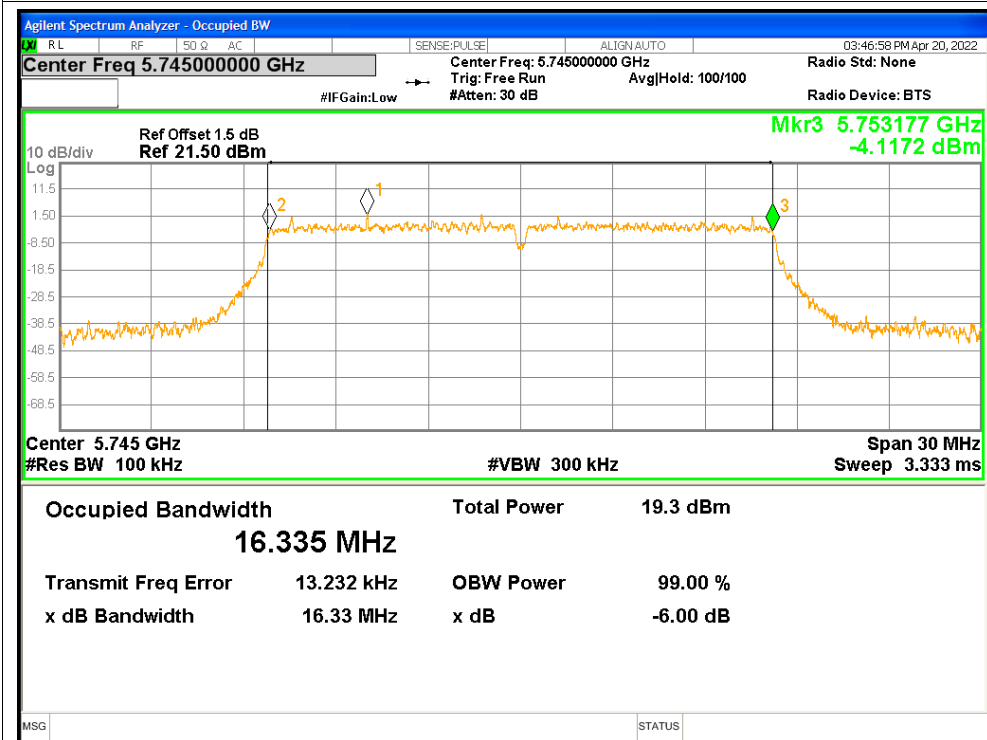
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	16.327	0.5	Pass
NVNT	a	5785	16.312	0.5	Pass
NVNT	a	5825	16.345	0.5	Pass
NVNT	n20	5745	17.556	0.5	Pass
NVNT	n20	5785	17.524	0.5	Pass
NVNT	n20	5825	17.549	0.5	Pass
NVNT	n40	5755	35.112	0.5	Pass
NVNT	n40	5795	35.088	0.5	Pass
NVNT	ac20	5745	17.543	0.5	Pass
NVNT	ac20	5785	17.538	0.5	Pass
NVNT	ac20	5825	17.554	0.5	Pass
NVNT	ac40	5755	35.041	0.5	Pass
NVNT	ac40	5795	35.121	0.5	Pass
NVNT	ac80	5775	72.52	0.5	Pass



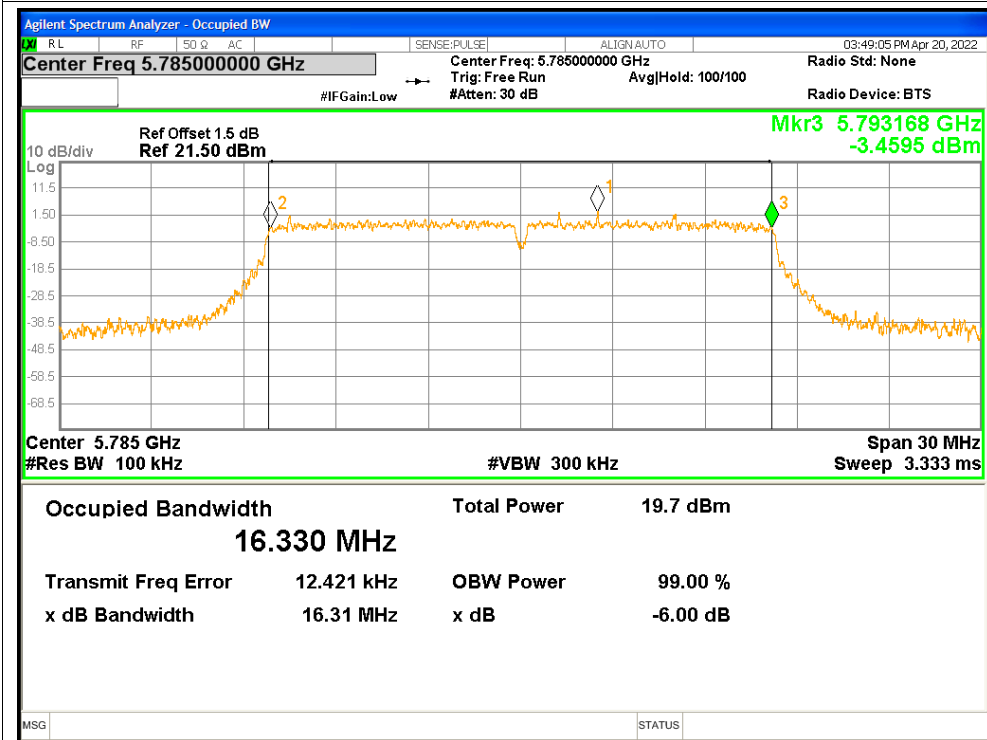


Test Graphs

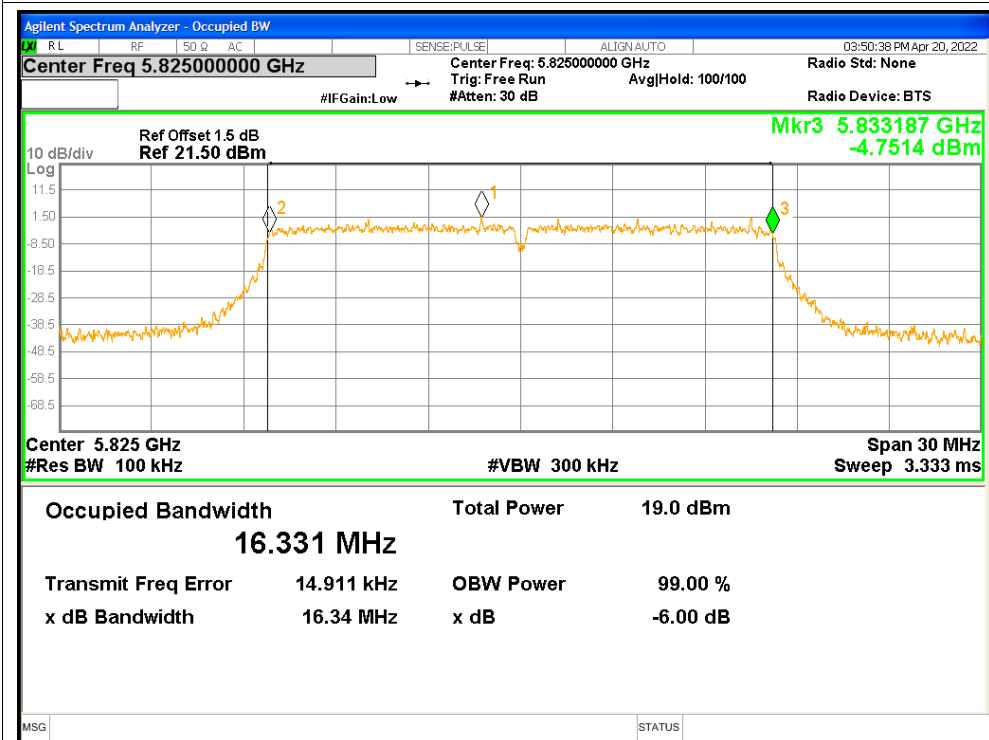
-6dB Bandwidth NVNT a 5745MHz



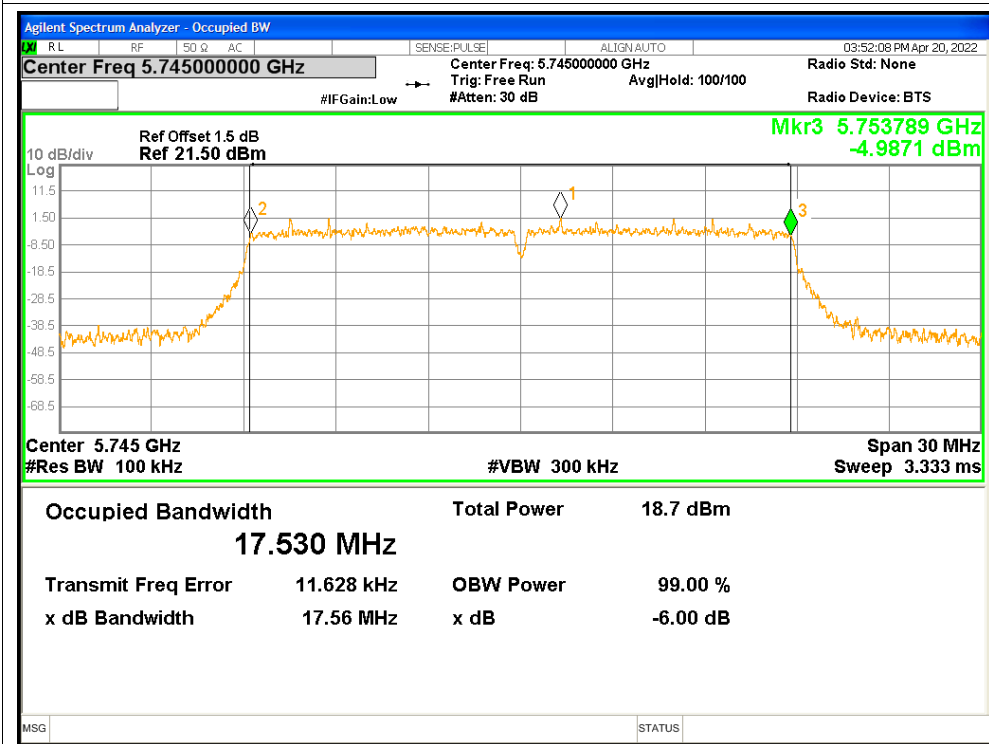
-6dB Bandwidth NVNT a 5785MHz



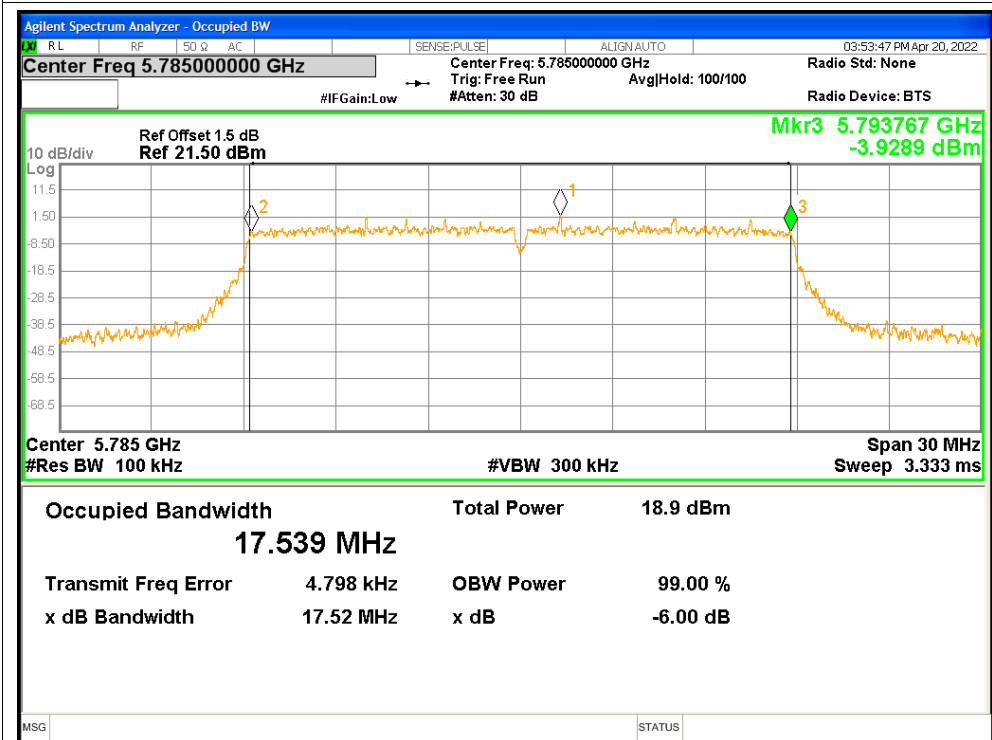
-6dB Bandwidth NVNT a 5825MHz



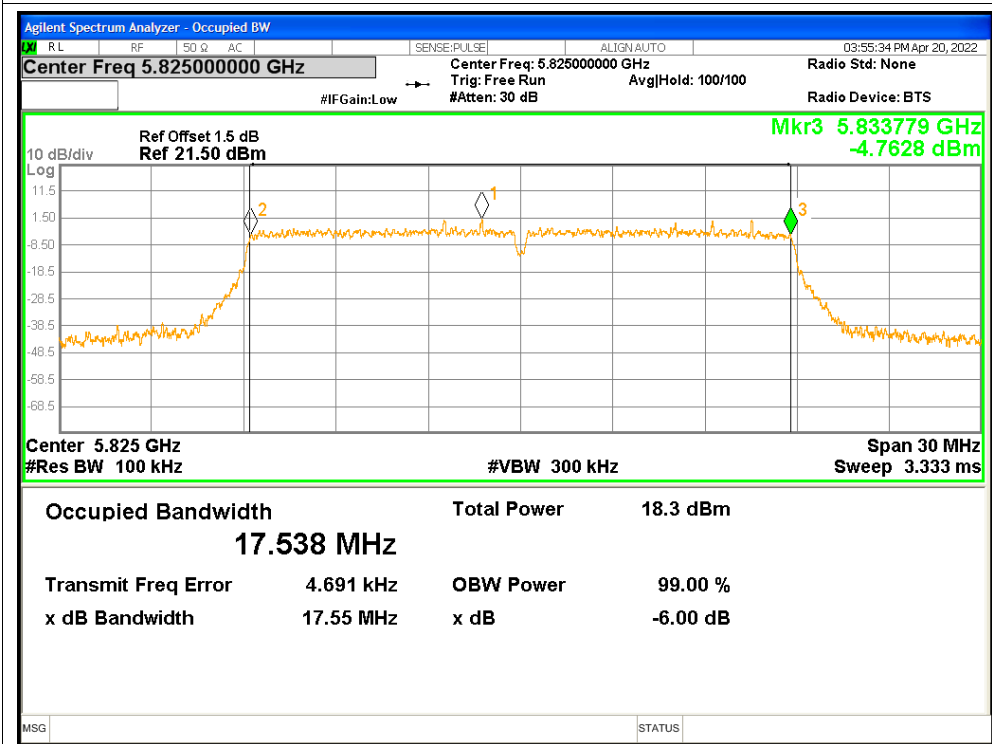
-6dB Bandwidth NVNT n20 5745MHz



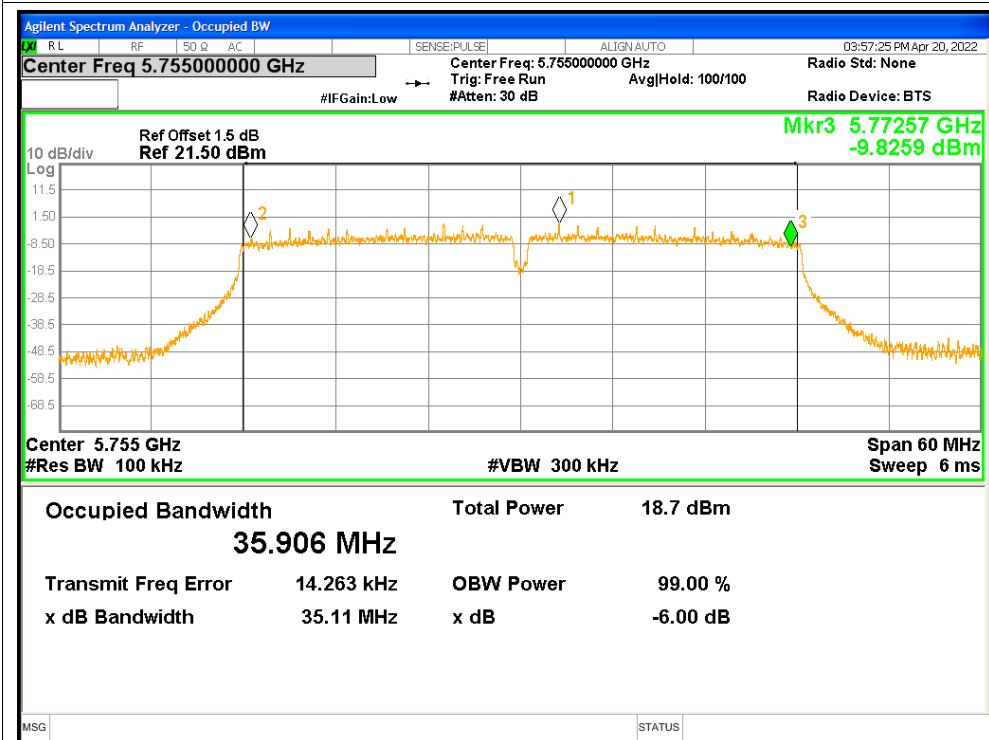
-6dB Bandwidth NVNT n20 5785MHz



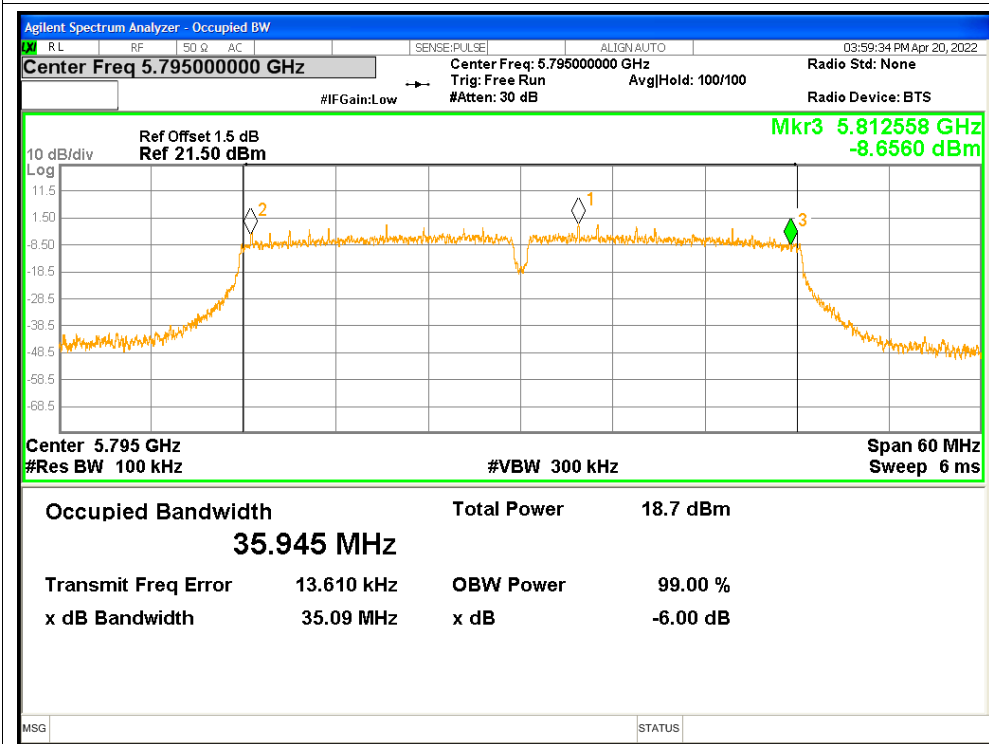
-6dB Bandwidth NVNT n20 5825MHz



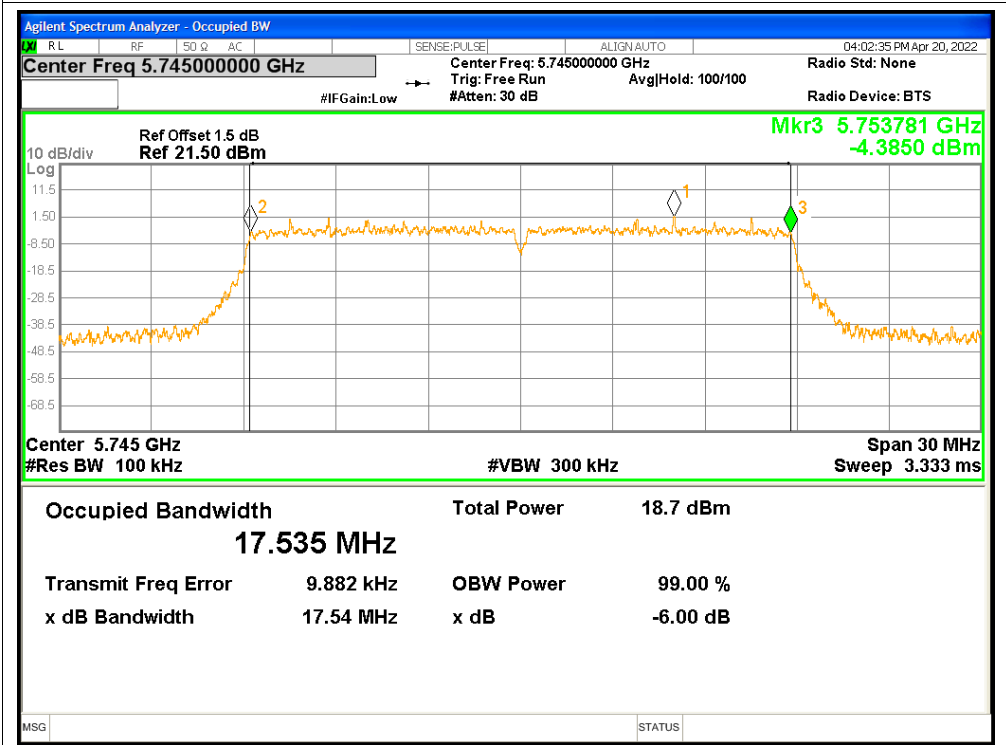
-6dB Bandwidth NVNT n40 5755MHz



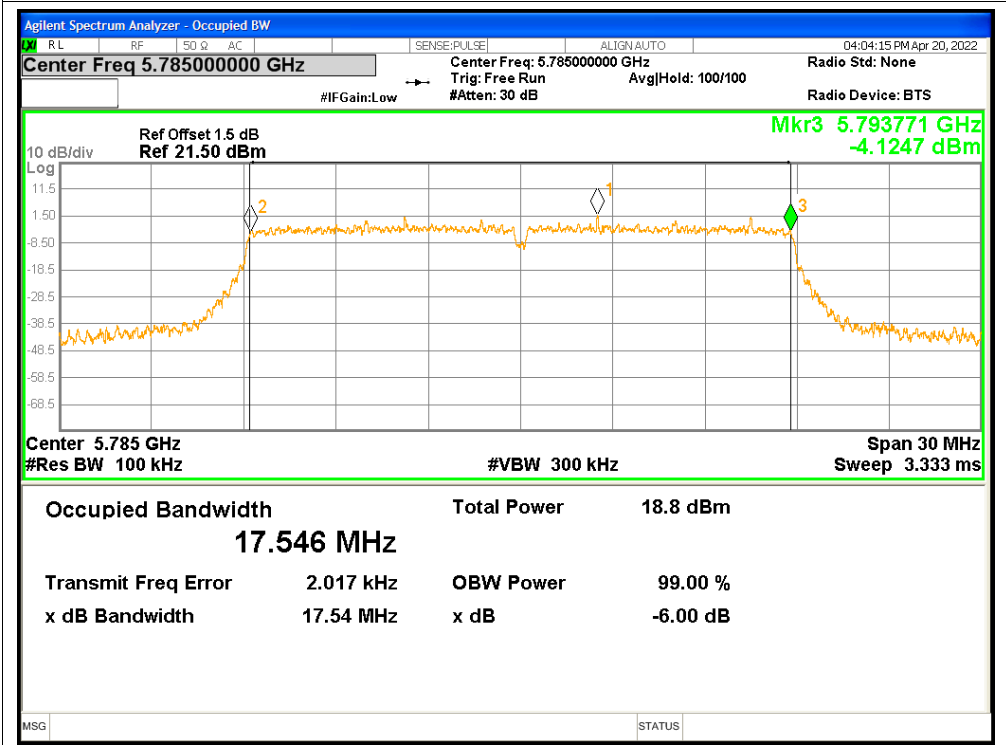
-6dB Bandwidth NVNT n40 5795MHz



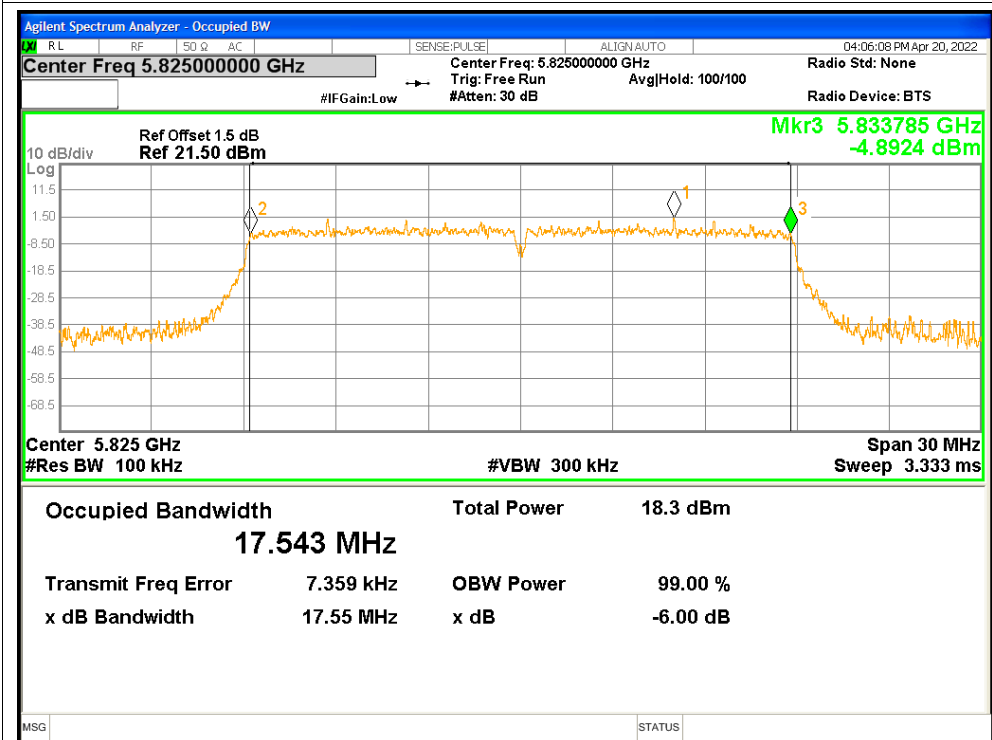
-6dB Bandwidth NVNT ac20 5745MHz



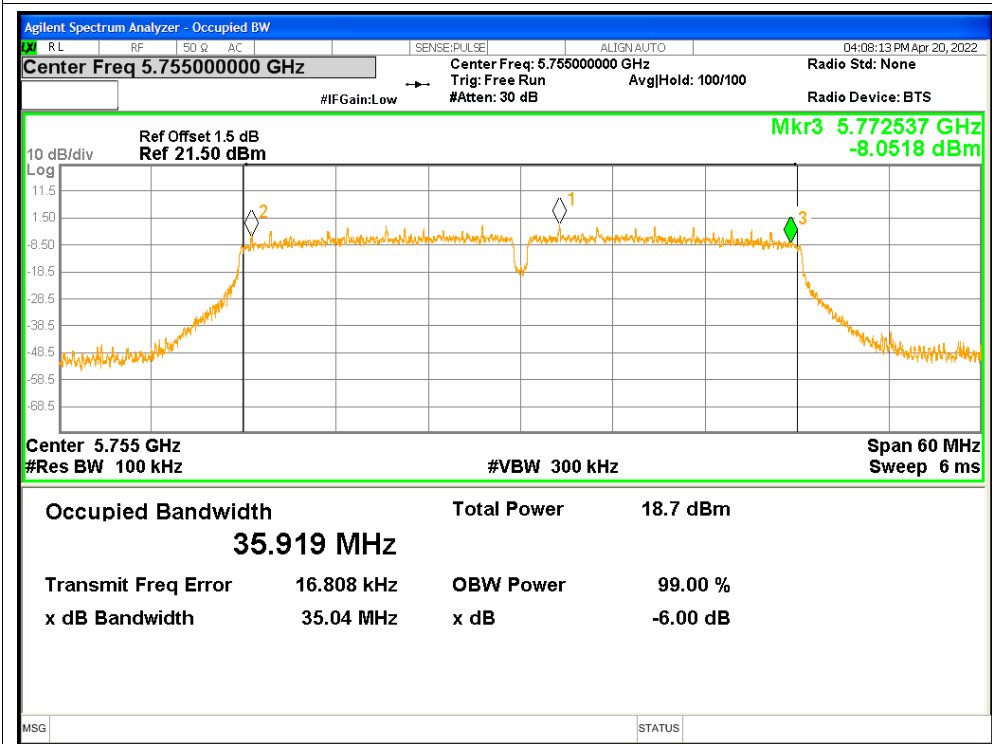
-6dB Bandwidth NVNT ac20 5785MHz

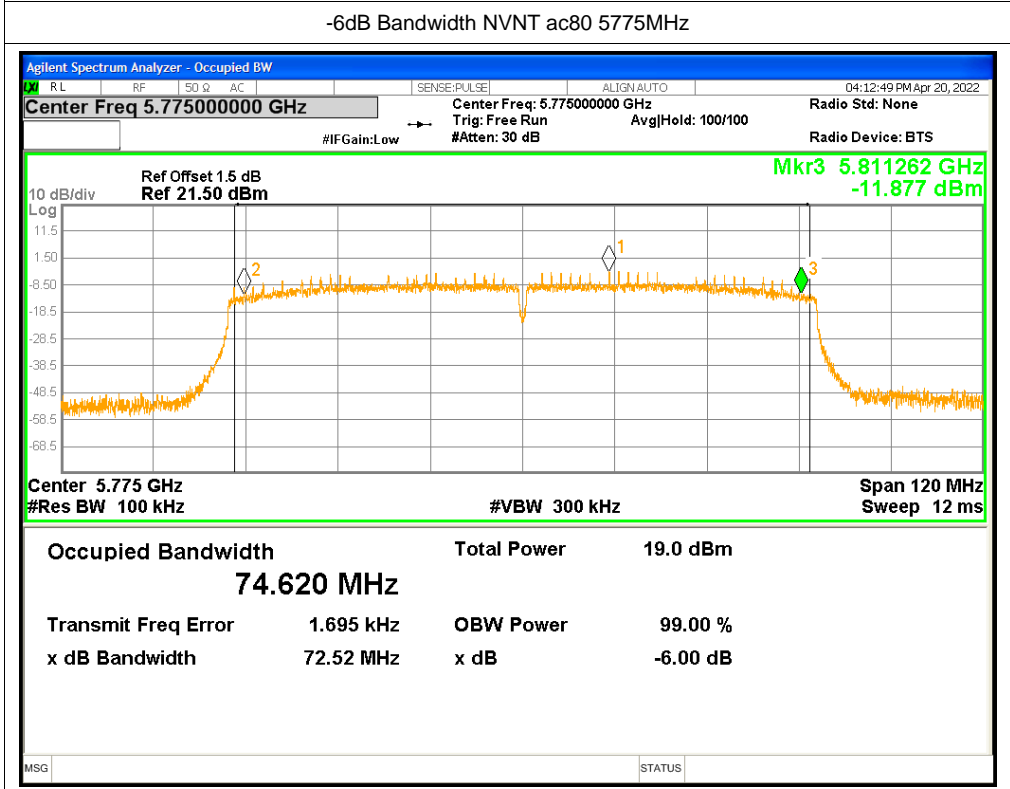
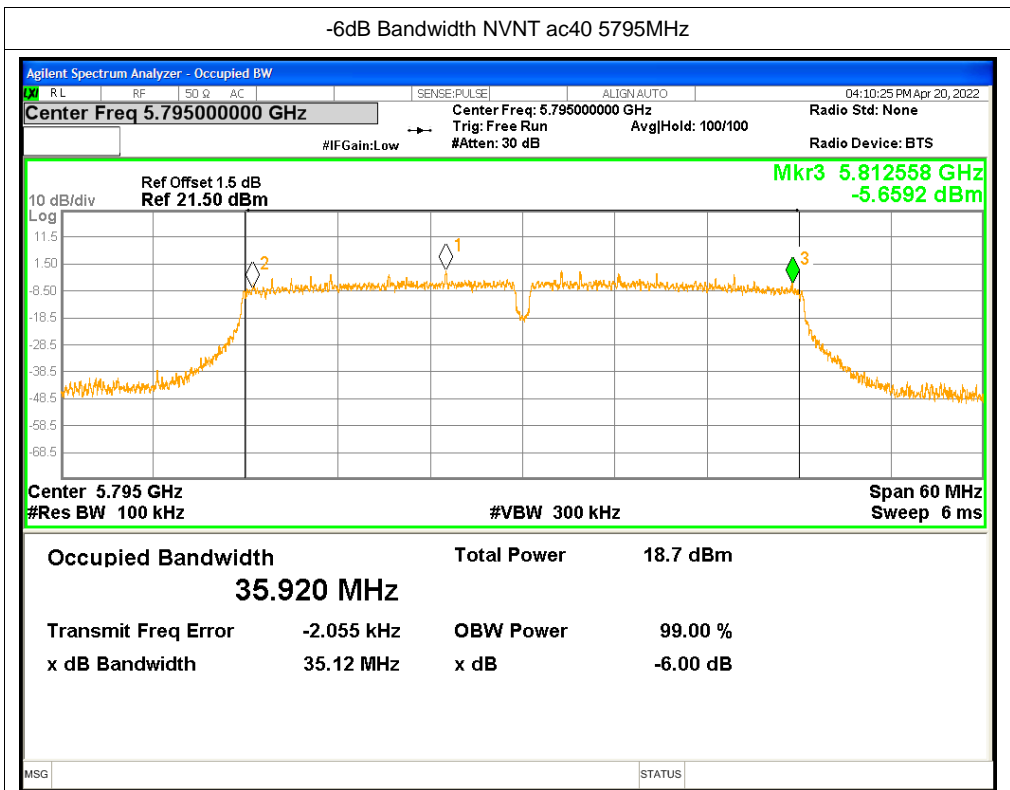


-6dB Bandwidth NVNT ac20 5825MHz



-6dB Bandwidth NVNT ac40 5755MHz





### Maximum Power Spectral Density Level



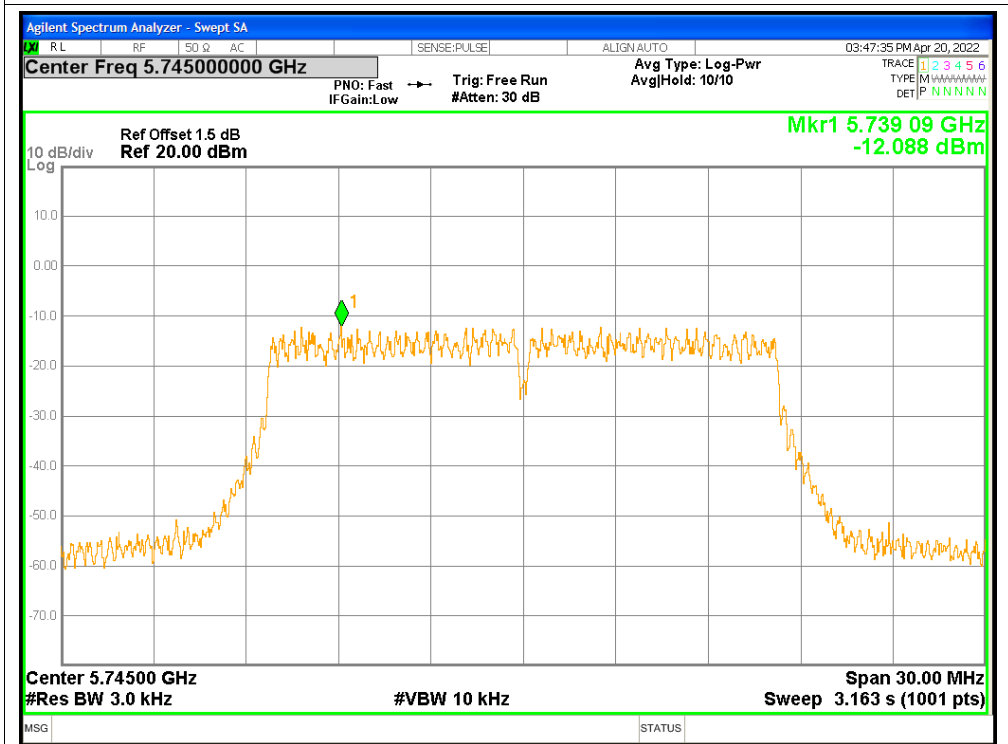
Frequency (MHz)	Use RBW 510KHz direct measurement Ant_A Power Density (dBm)	Use RBW 510KHz direct measurement Ant_B Power Density (dBm)	Convert to 500KHz direct measurement Ant_A Power Density (dBm)	Convert to 500KHz direct measurement Ant_B Power Density (dBm)	Duty cycle factor (dB)	Final Ant_A Power Density (dBm)	Final Ant_B Power Density (dBm)	Power Density Total (dBm)	Limit (dBm/500KHz)	Result
802.11a										
5745	-12.090	-12.410	-12.176	-12.496	0.890	-11.286	-11.606	--	30	PASS
5785	-11.250	-11.540	-11.336	-11.626	0.390	-10.946	-11.236	--	30	PASS
5825	-11.060	-13.100	-11.146	-13.186	0.250	-10.896	-12.936	--	30	PASS
802.11n20										
5745	-12.050	-12.890	-12.136	-12.976	0.690	-11.446	-12.286	-8.835	30	PASS
5785	-12.730	-13.000	-12.816	-13.086	1.350	-11.466	-11.736	-8.589	30	PASS
5825	-12.110	-13.590	-12.196	-13.676	0.420	-11.776	-13.256	-9.443	30	PASS
802.11n40										
5755	-15.500	-16.190	-15.586	-16.276	0.490	-15.096	-15.786	-12.417	30	PASS
5795	-15.690	-15.960	-15.776	-16.046	1.830	-13.946	-14.216	-11.069	30	PASS
802.11ac20										
5745	-13.000	-13.380	-13.086	-13.466	0.650	-12.436	-12.816	-9.612	30	PASS
5785	-12.380	-14.330	-12.466	-14.416	0.500	-11.966	-13.916	-9.822	30	PASS
5825	-12.520	-13.990	-12.606	-14.076	0.330	-12.276	-13.746	-9.939	30	PASS
802.11ac40										
5755	-14.970	-14.840	-15.056	-14.926	0.750	-14.306	-14.176	-11.230	30	PASS
5795	-15.800	-16.390	-15.886	-16.476	0.920	-14.966	-15.556	-12.241	30	PASS
802.11ac80										
5775	-18.410	-19.580	-18.496	-19.666	1.660	-16.836	-18.006	-14.371	30	PASS



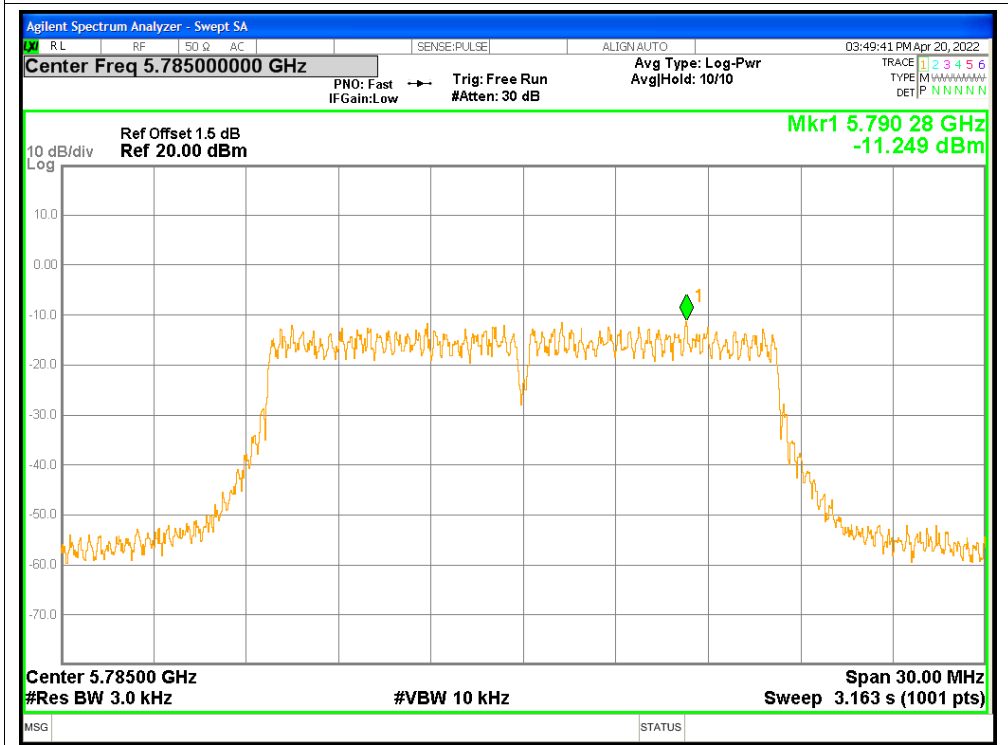
ANT A

Test Graphs

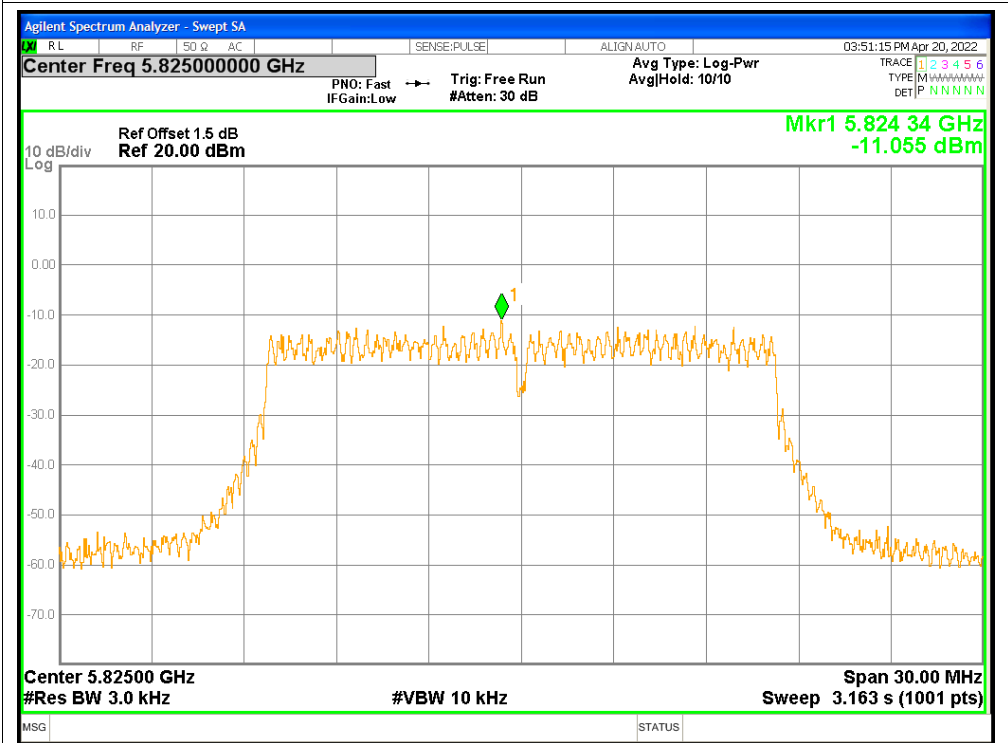
PSD NVNT a 5745MHz



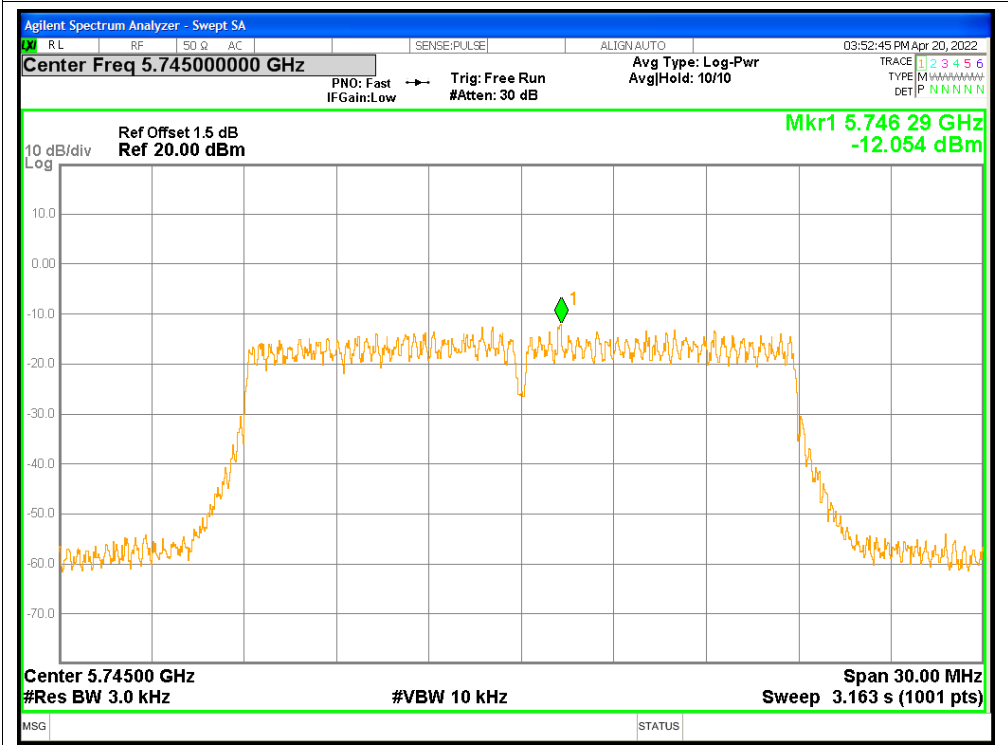
PSD NVNT a 5785MHz

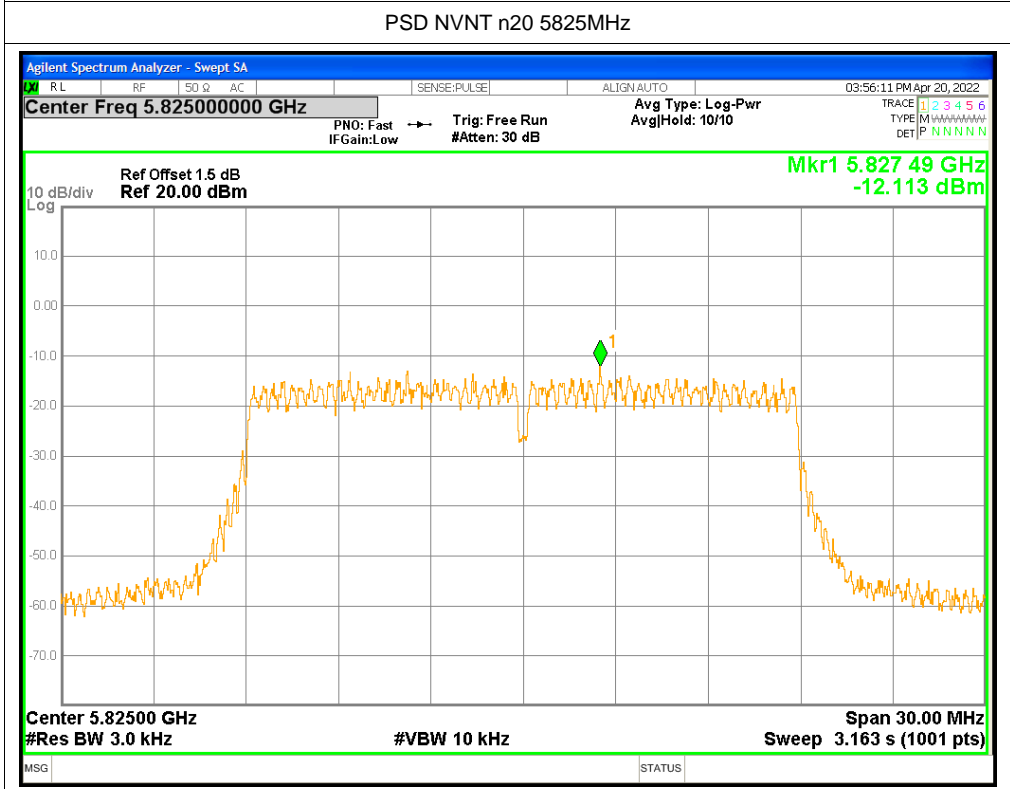
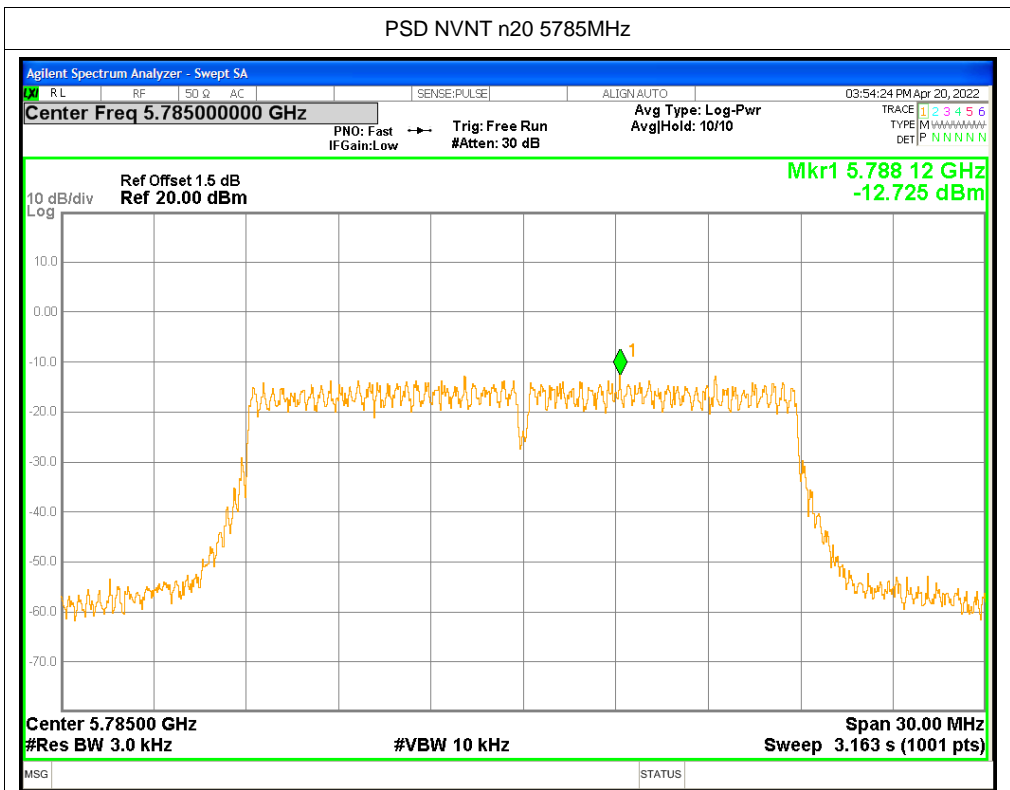


PSD NVNT a 5825MHz

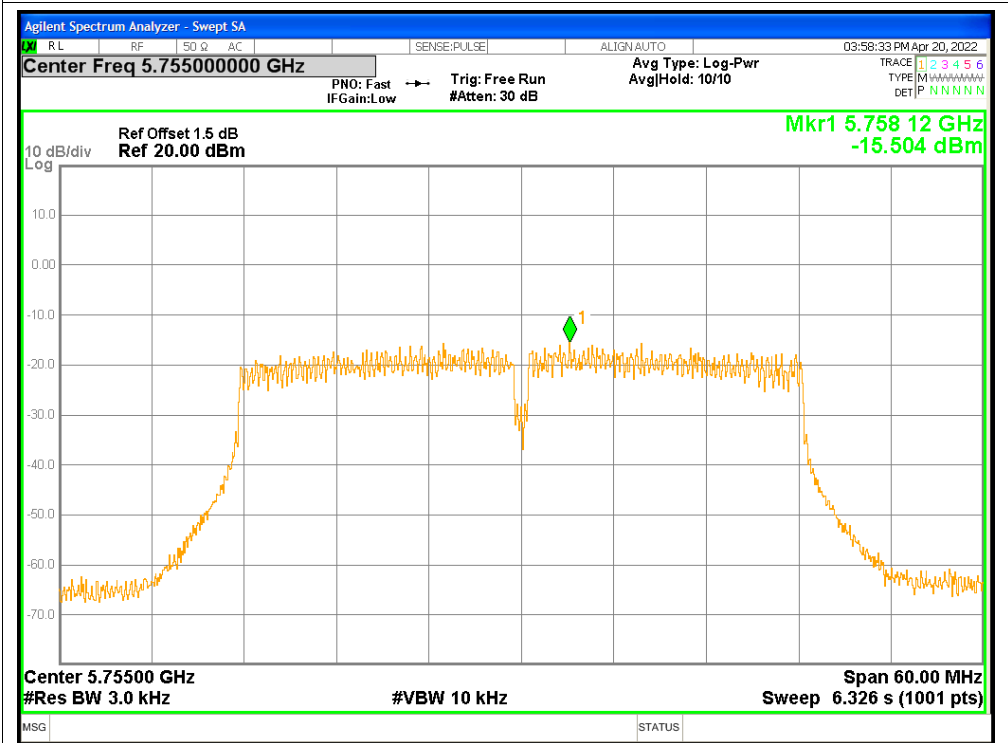


PSD NVNT n20 5745MHz

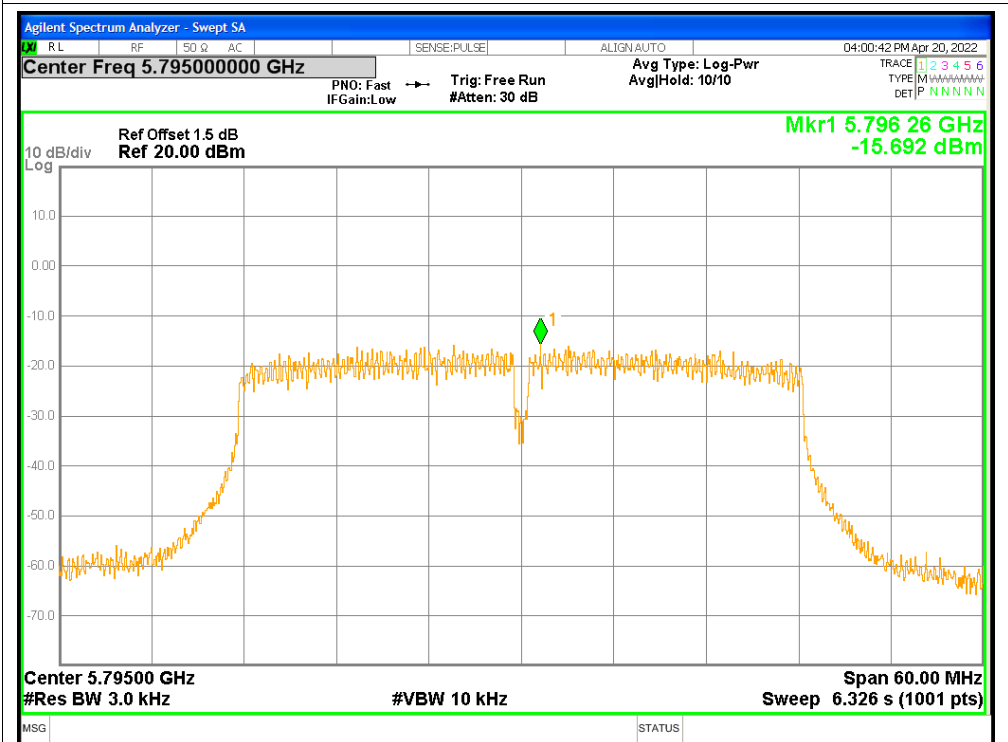


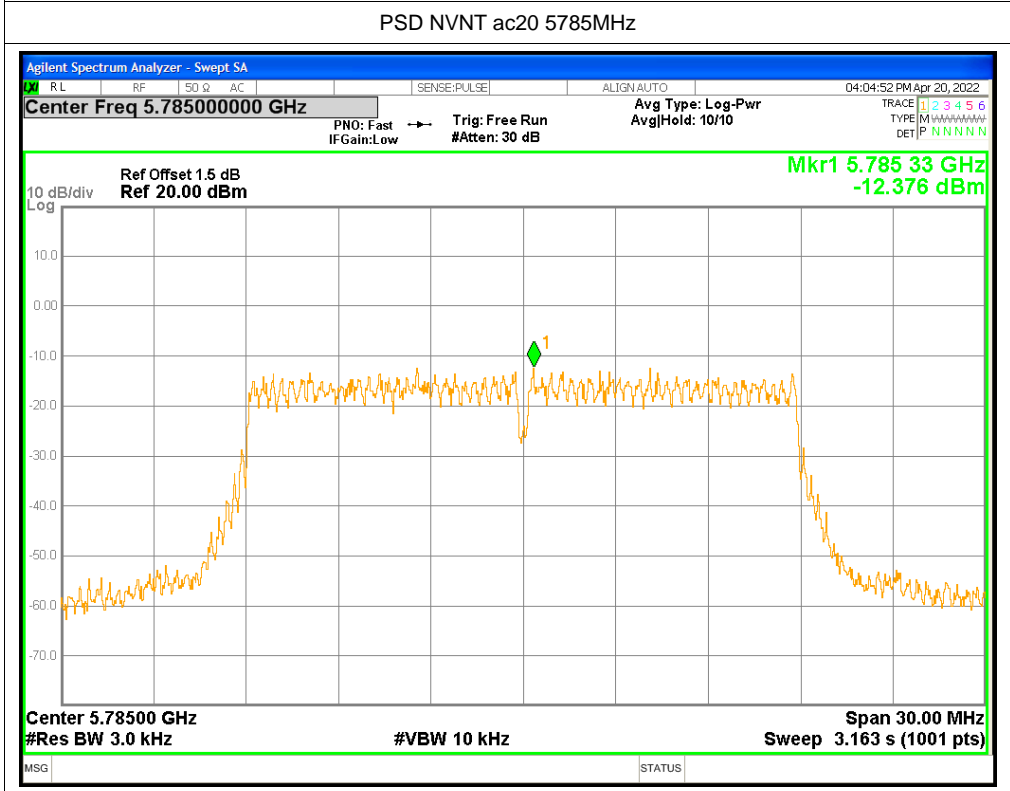
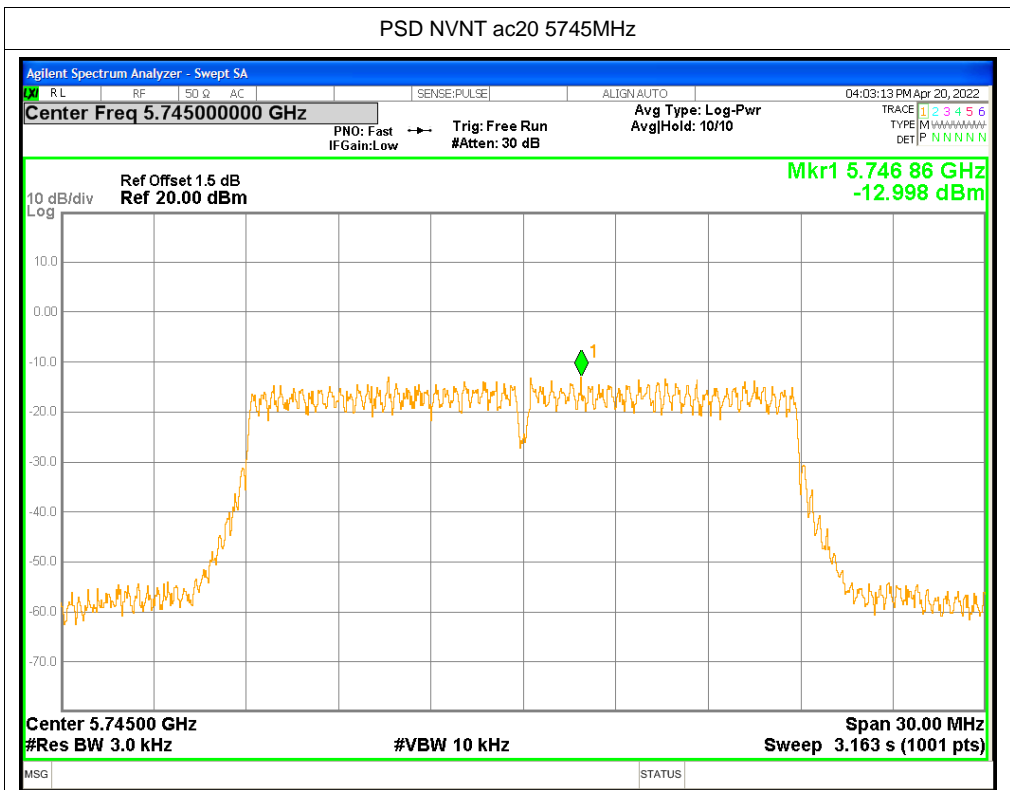


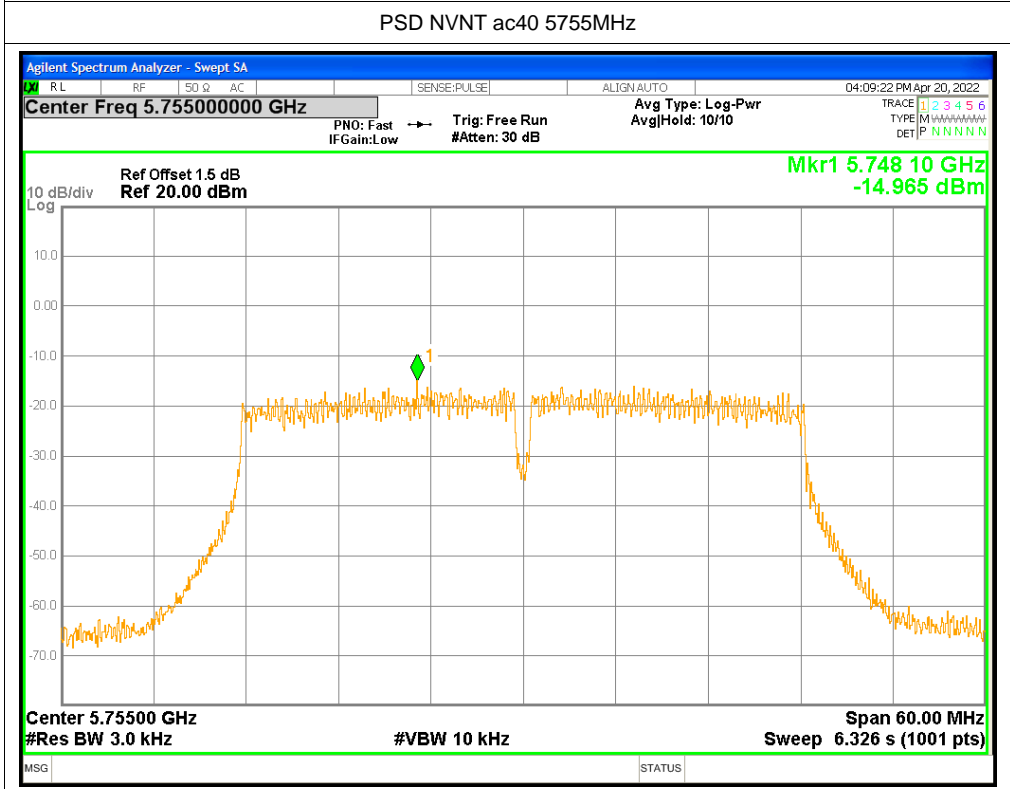
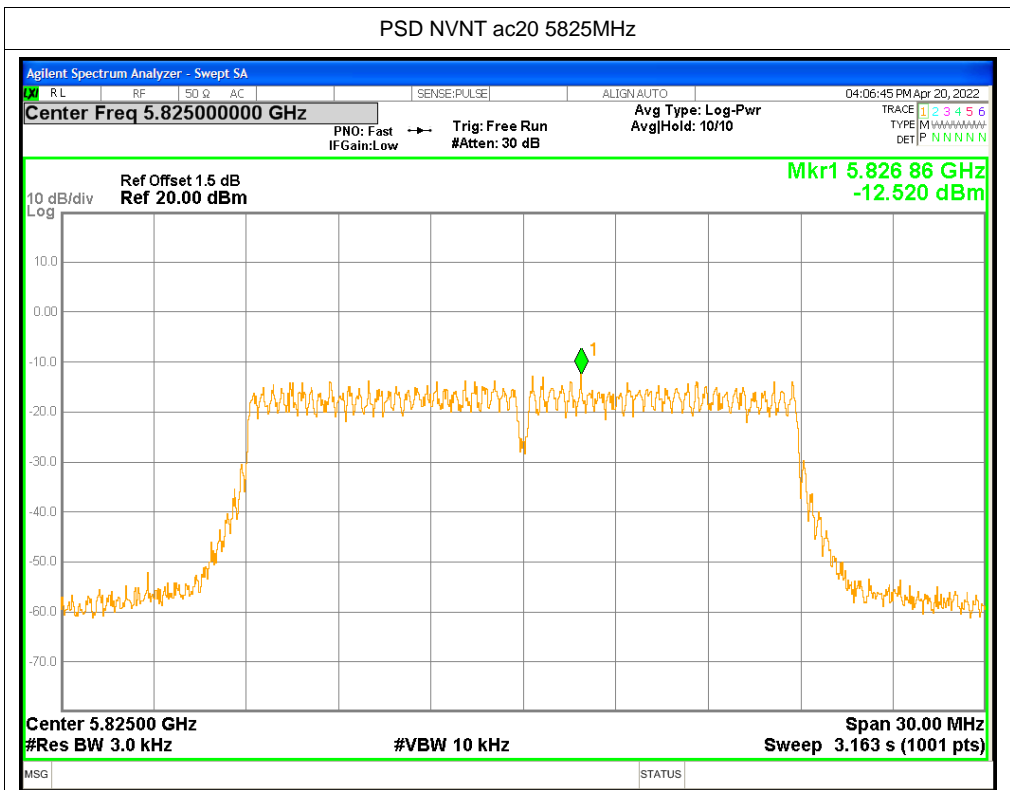
PSD NVNT n40 5755MHz



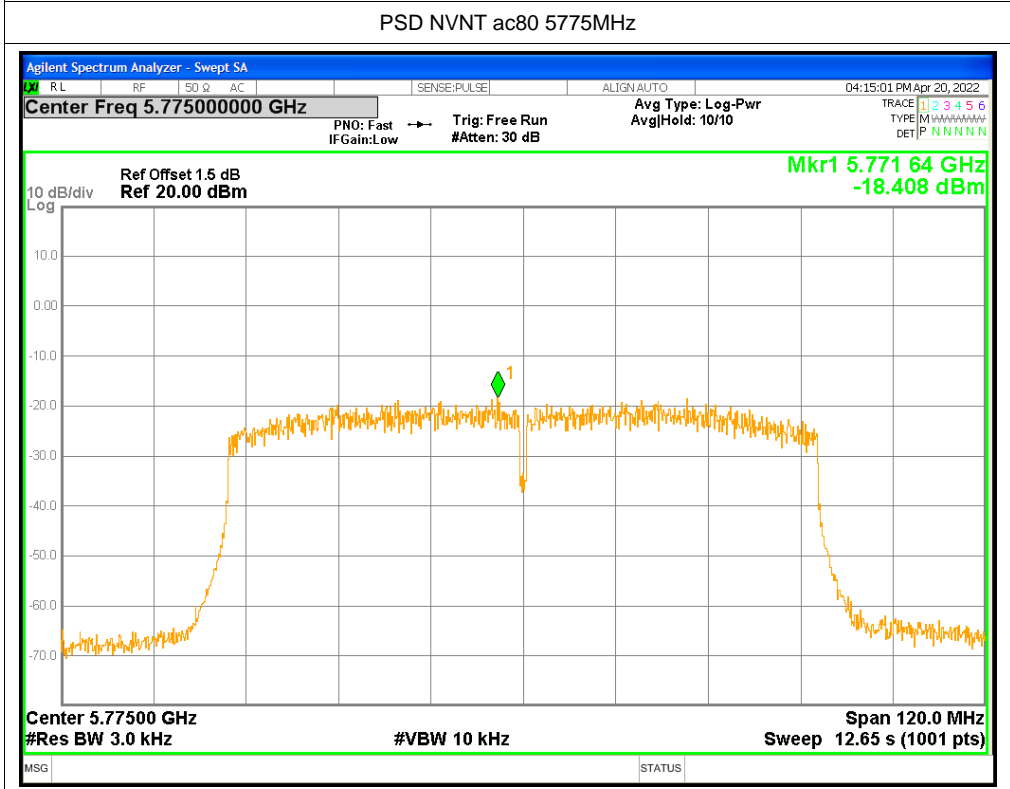
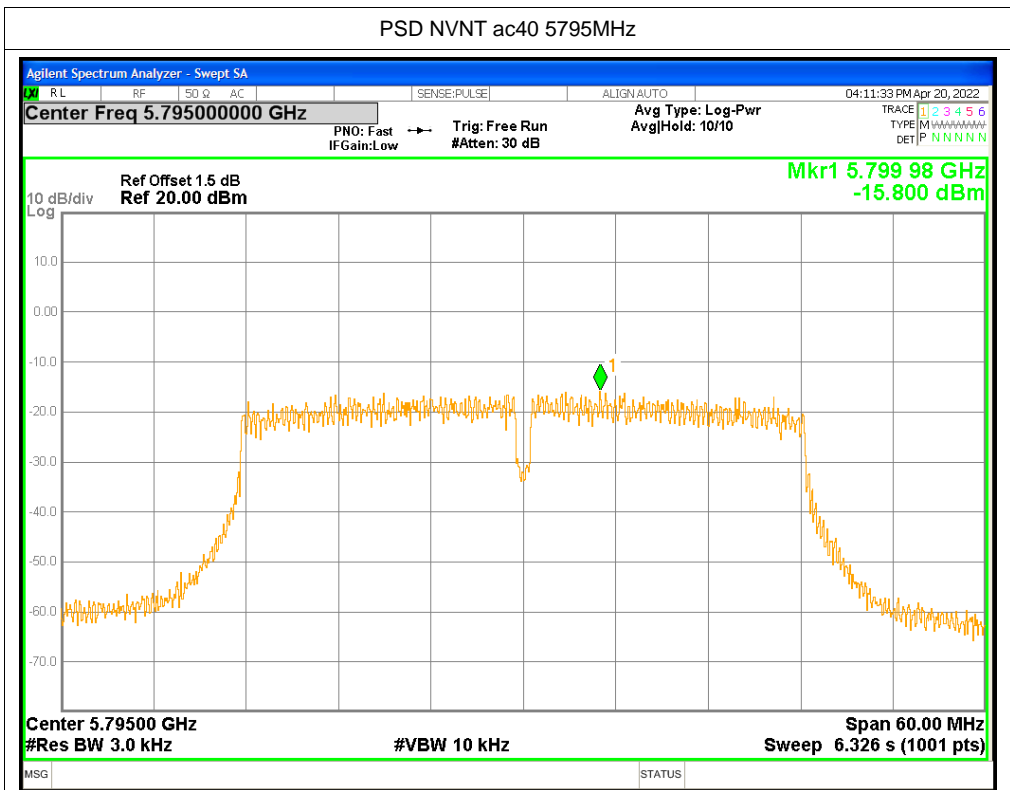
PSD NVNT n40 5795MHz







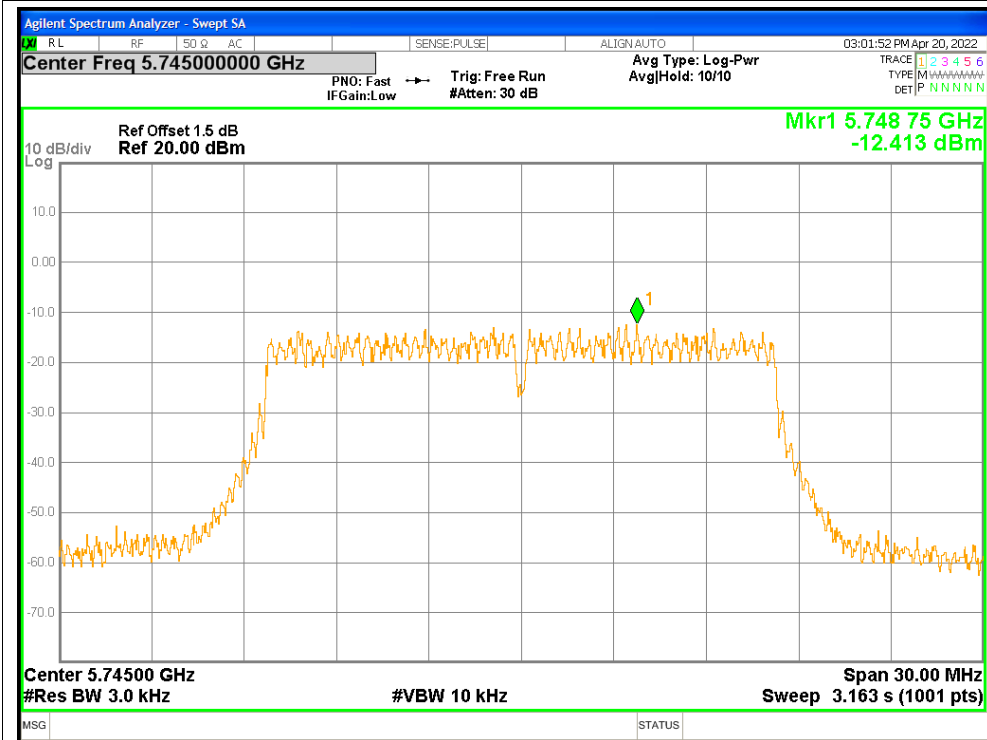




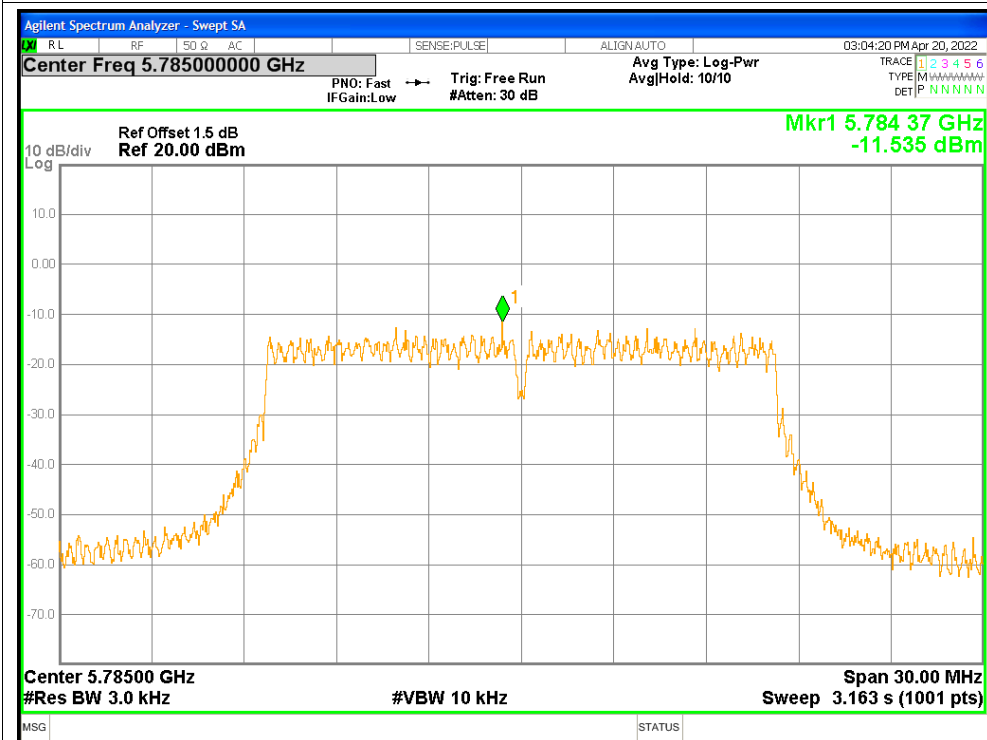
ANT B

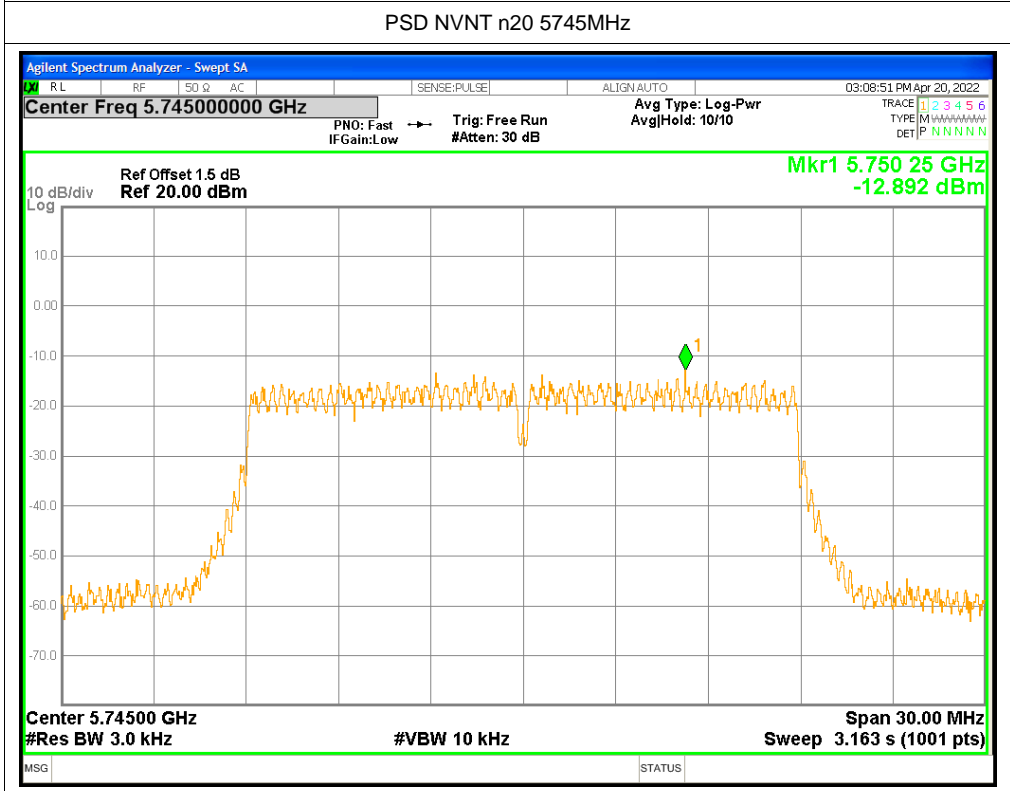
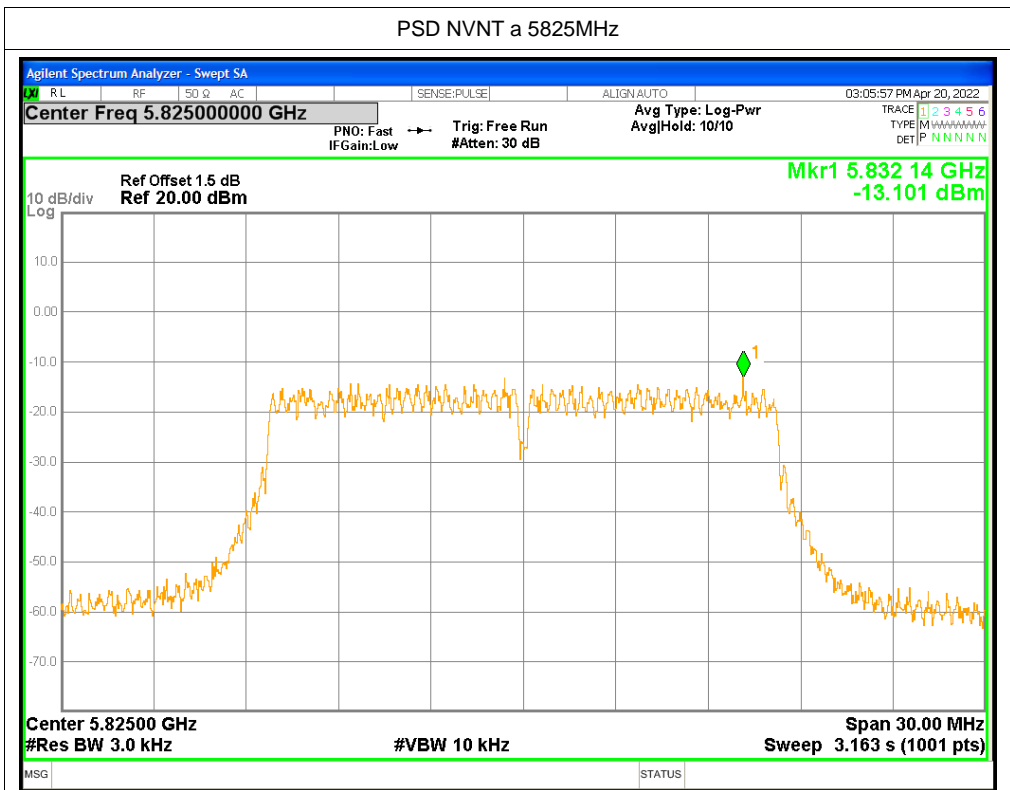
Test Graphs

PSD NVNT a 5745MHz

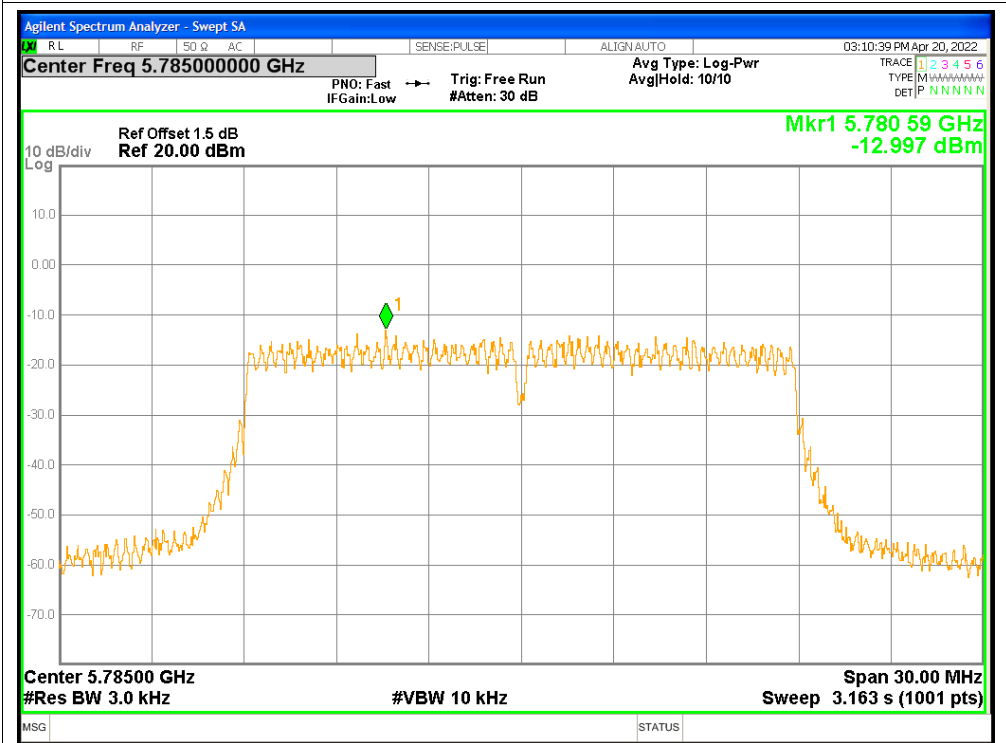


PSD NVNT a 5785MHz

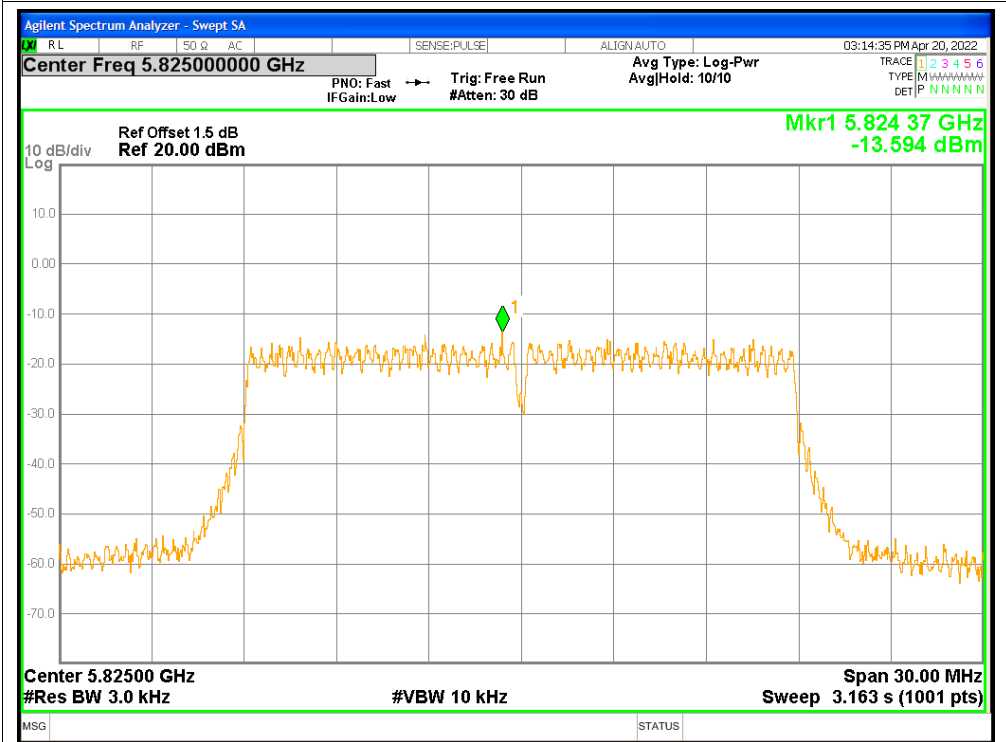


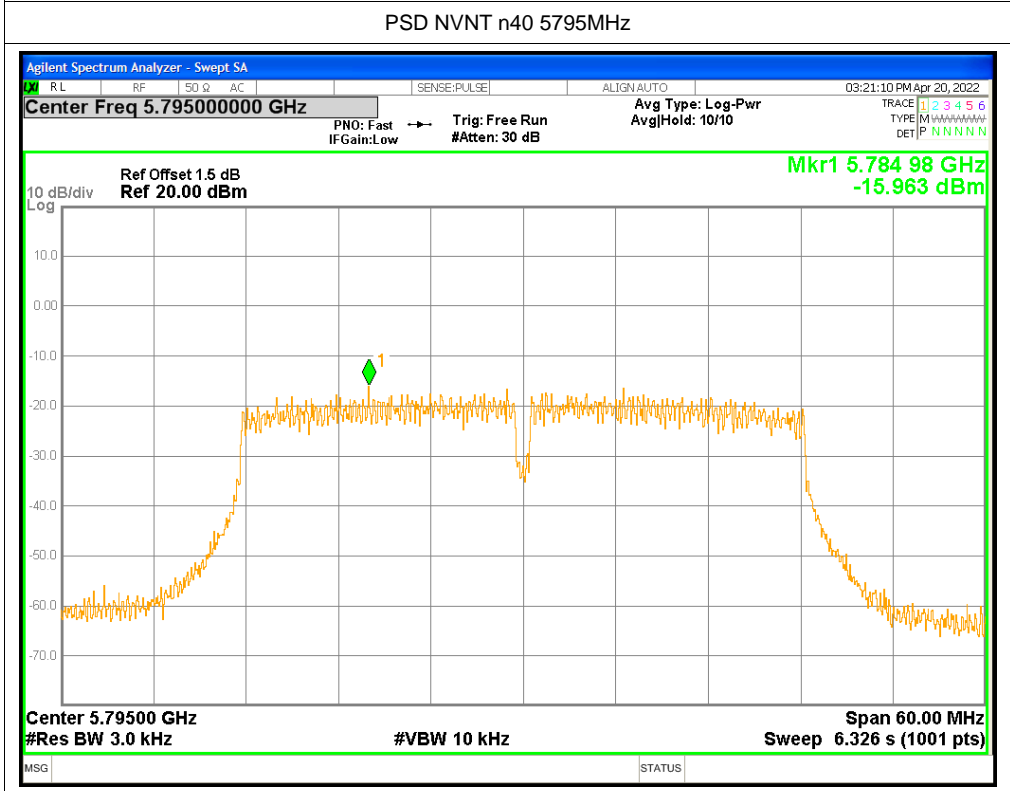
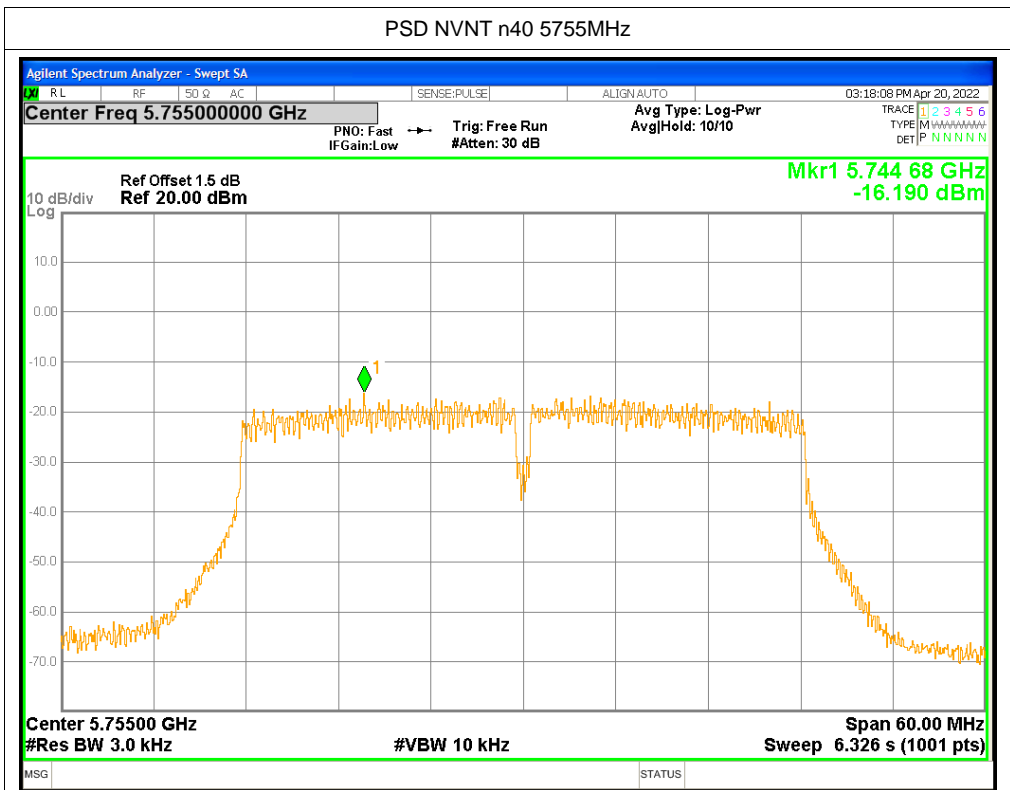


PSD NVNT n20 5785MHz

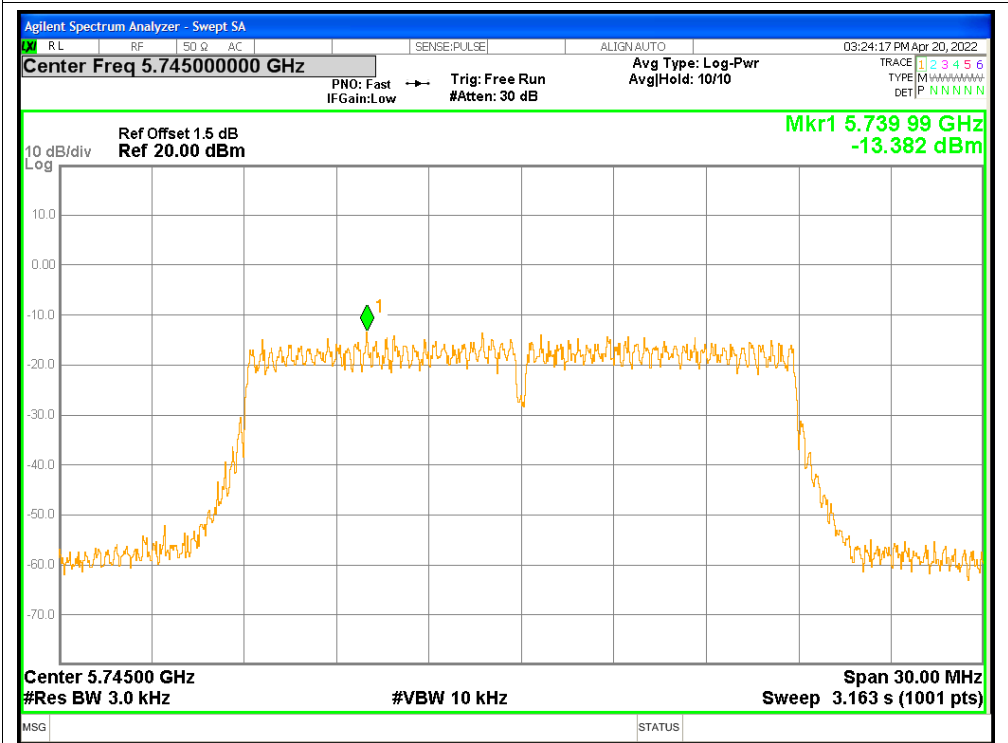


PSD NVNT n20 5825MHz

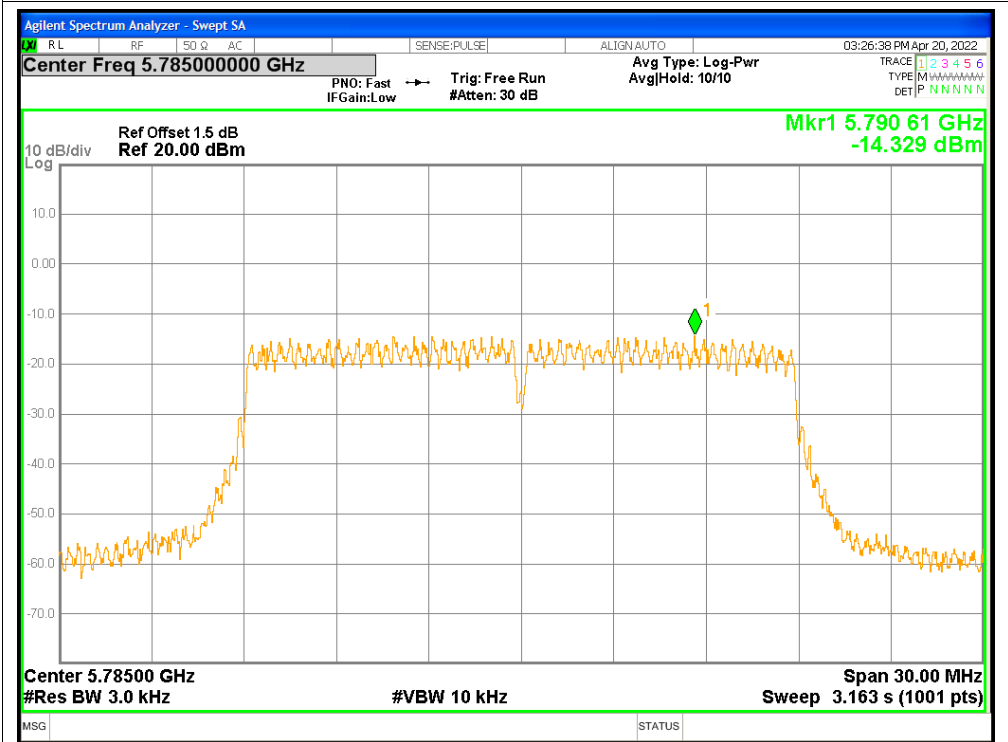




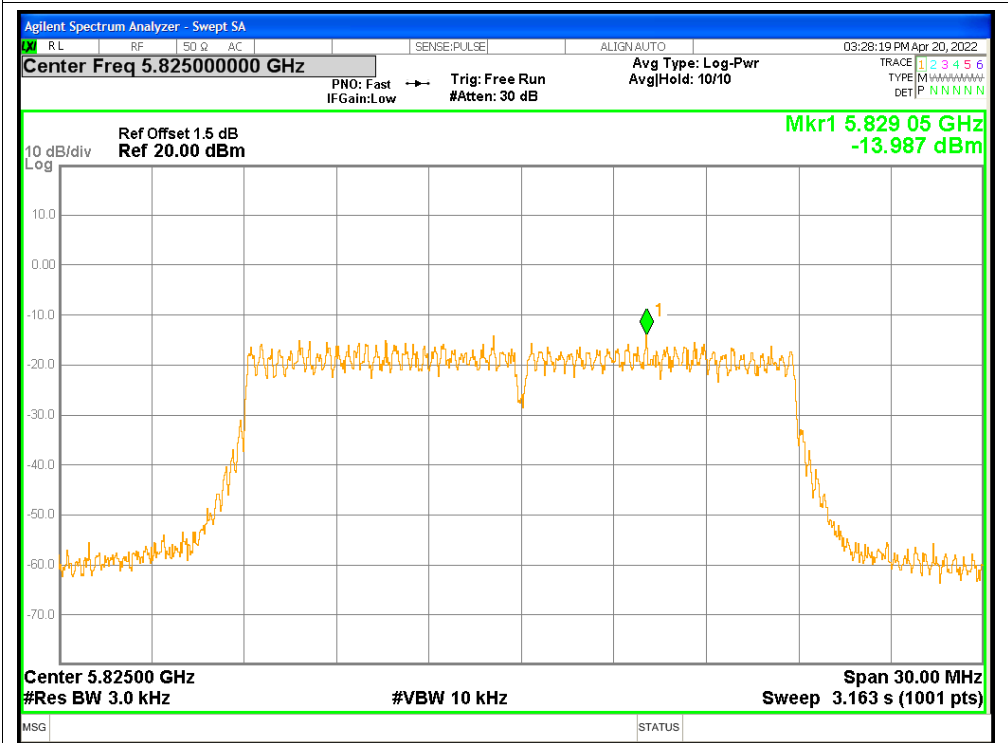
PSD NVNT ac20 5745MHz



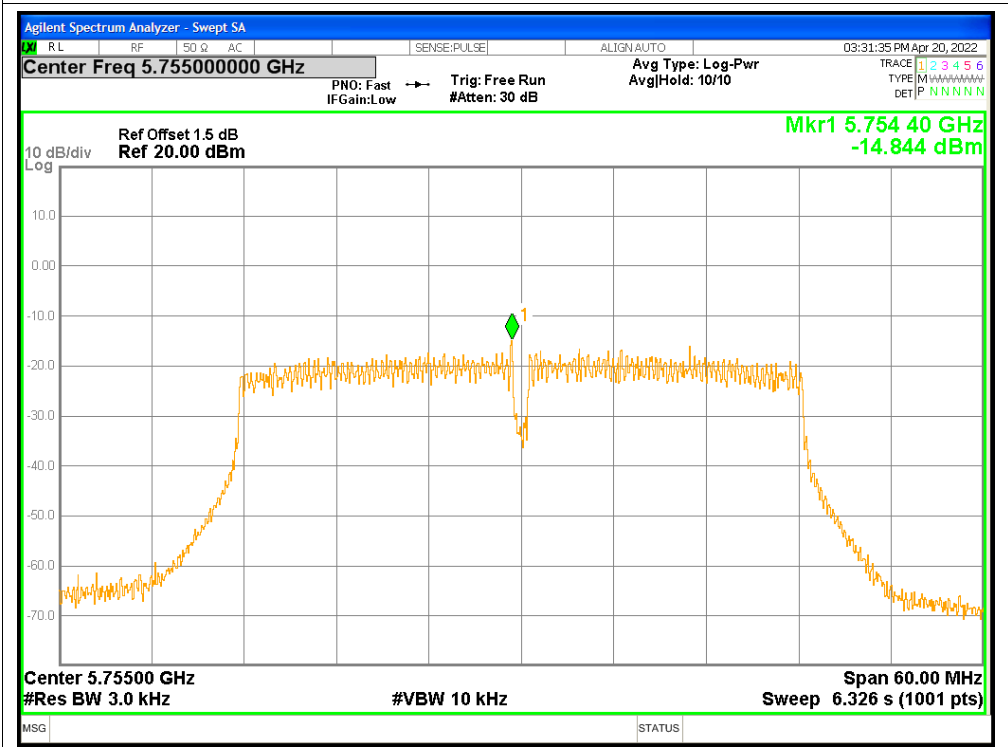
PSD NVNT ac20 5785MHz



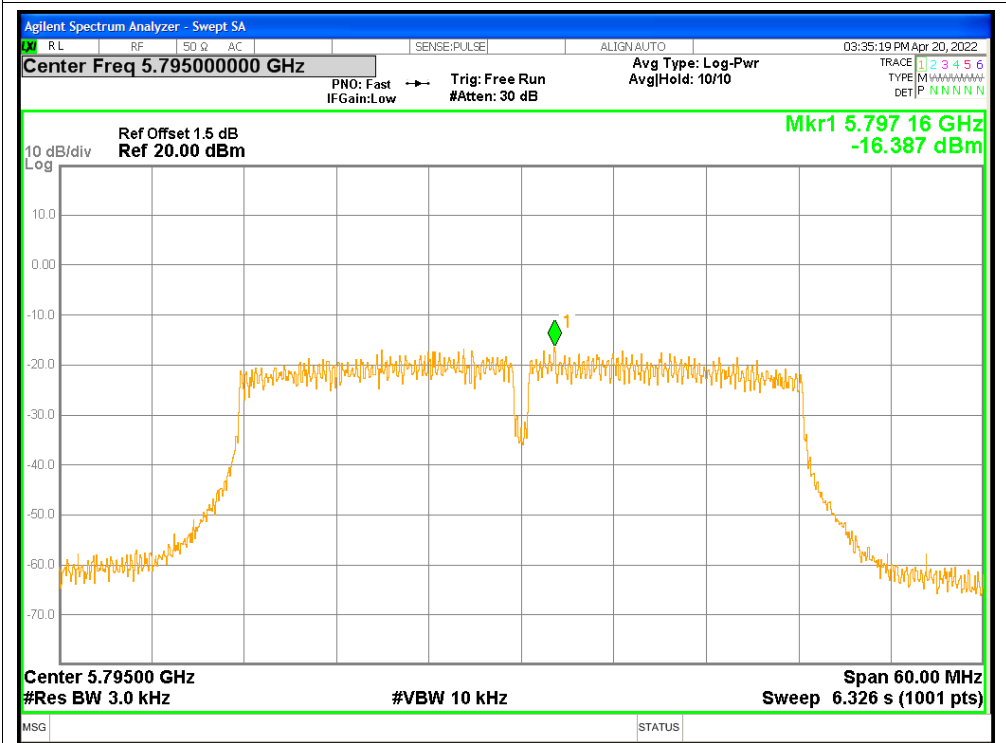
PSD NVNT ac20 5825MHz



PSD NVNT ac40 5755MHz



PSD NVNT ac40 5795MHz



PSD NVNT ac80 5775MHz

