

FCC Test Report

ANNEX 2 5G WIFI

FCC ID: 2A5EP-S10

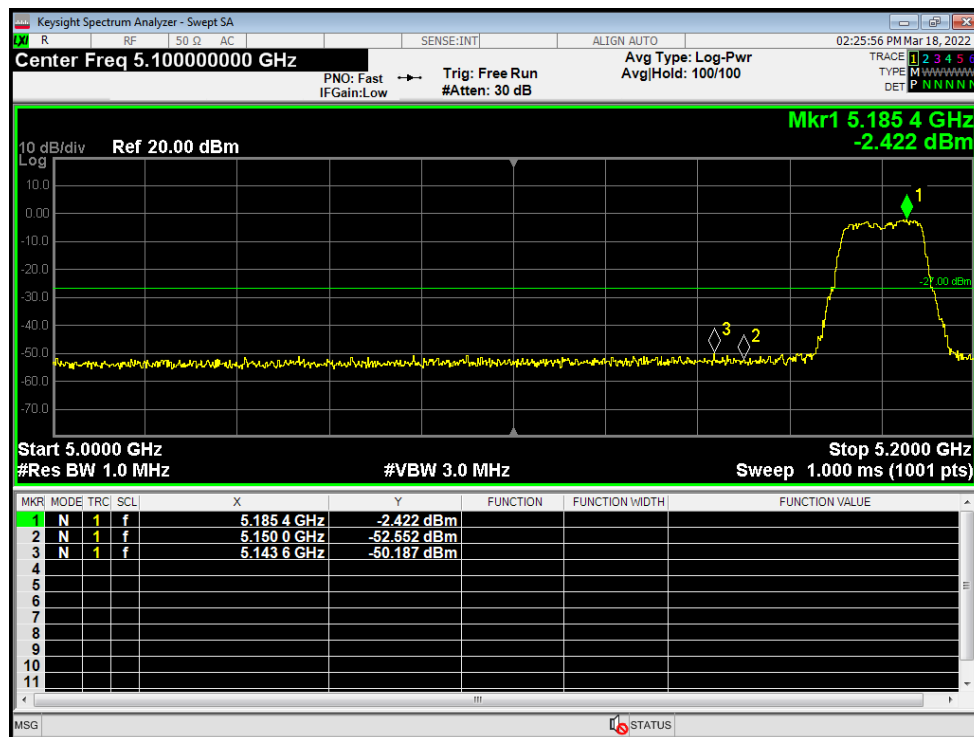
Applicant:	SZ TPS CO., LTD
Address:	Floor 2, Building 2, No.596, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen, China
Manufacturer:	SZ TPS CO., LTD
Address:	Floor 2, Building 2, No.596, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen, China
EUT:	Tablet PC
Trade Mark:	N/A
Model Number:	S10, S8-9863A, S7-7731E, Q8-7731E, S10-9863A, W116, P30, M70, M50, SF116, SF133, K116, Q7, Q8, Q10, SQ8, 7 INCH KIDS, N10, W133B, W101, P10, W801, K8, W102, FS8-6753, N4120, A789, RK3126
Date of Receipt:	Feb. 25, 2022
Test Date:	Feb. 25, 2022 – Mar. 20, 2022
Date of Report:	Mar. 20, 2022
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China
Applicable Standards:	FCC PART 15 C 15.407 ANSI C63.10:2013
Test Result:	Pass

Band Edge

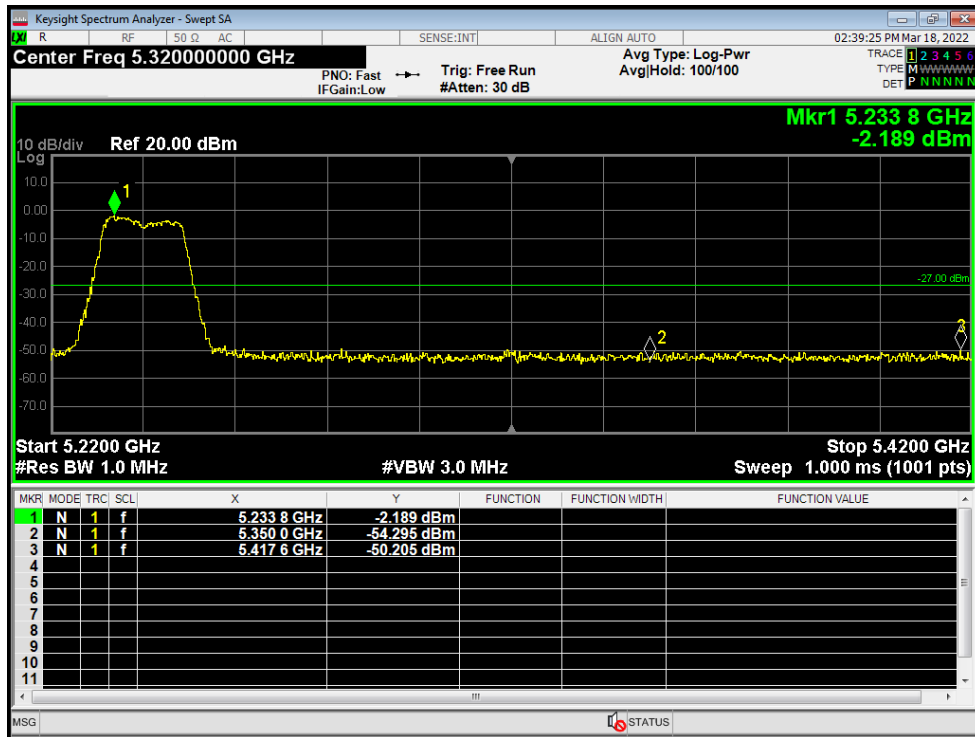
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-50.18	-27	Pass
NVNT	a	5240	Ant1	-50.2	-27	Pass
NVNT	n20	5180	Ant1	-50.85	-27	Pass
NVNT	n20	5240	Ant1	-49.81	-27	Pass
NVNT	n40	5190	Ant1	-50.06	-27	Pass
NVNT	n40	5230	Ant1	-50.33	-27	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-47.16	-27	Pass
NVNT	a	5825	Ant1	-48.18	-27	Pass
NVNT	n20	5745	Ant1	-46.63	-27	Pass
NVNT	n20	5825	Ant1	-49.09	-27	Pass
NVNT	n40	5755	Ant1	-48.01	-27	Pass
NVNT	n40	5795	Ant1	-49.01	-27	Pass

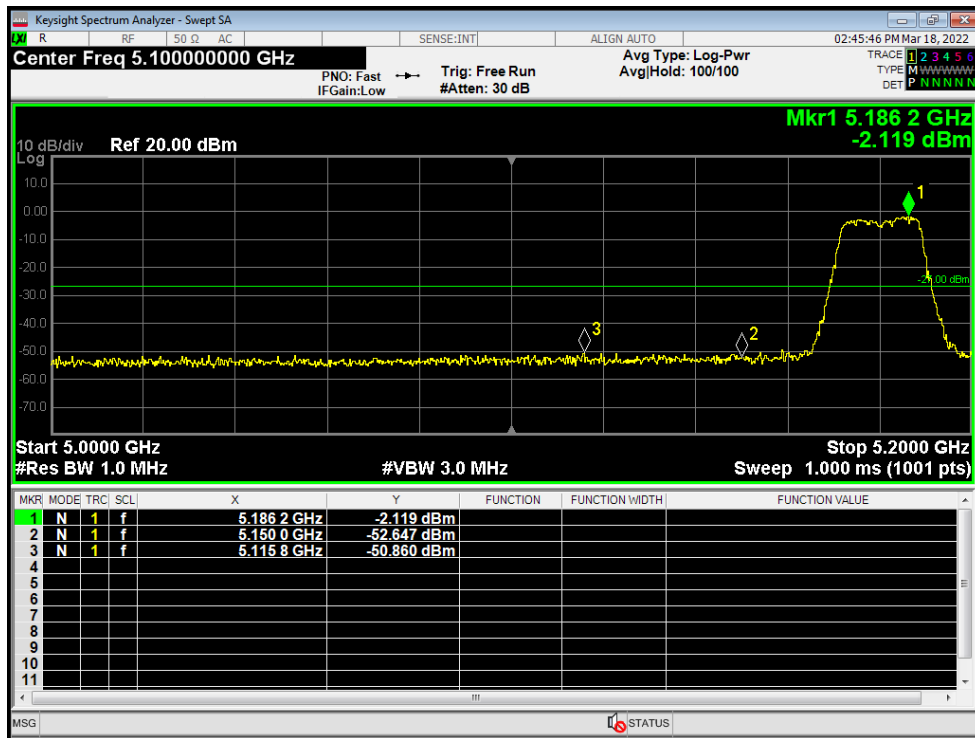
Band Edge NVNT a 5180MHz Low Ant1



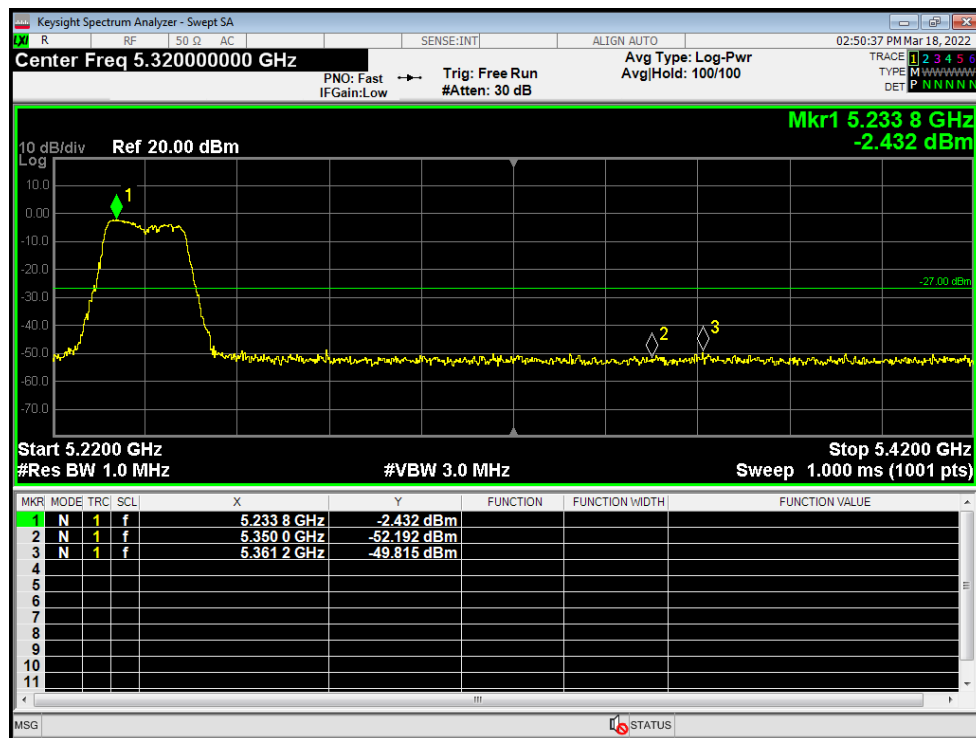
Band Edge NVNT a 5240MHz High Ant1



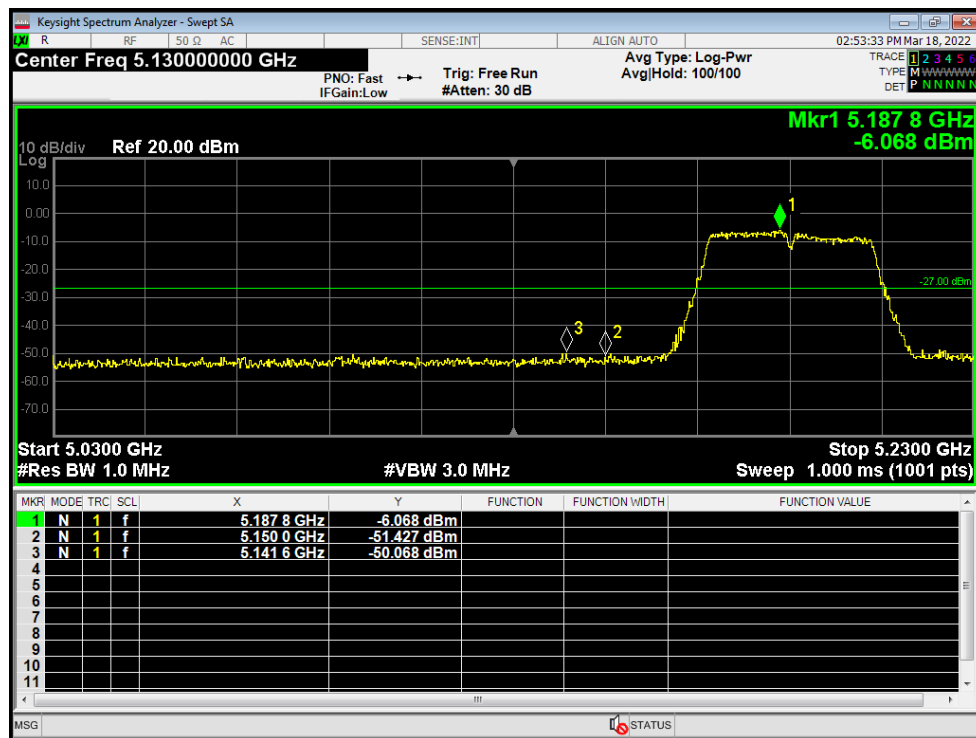
Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

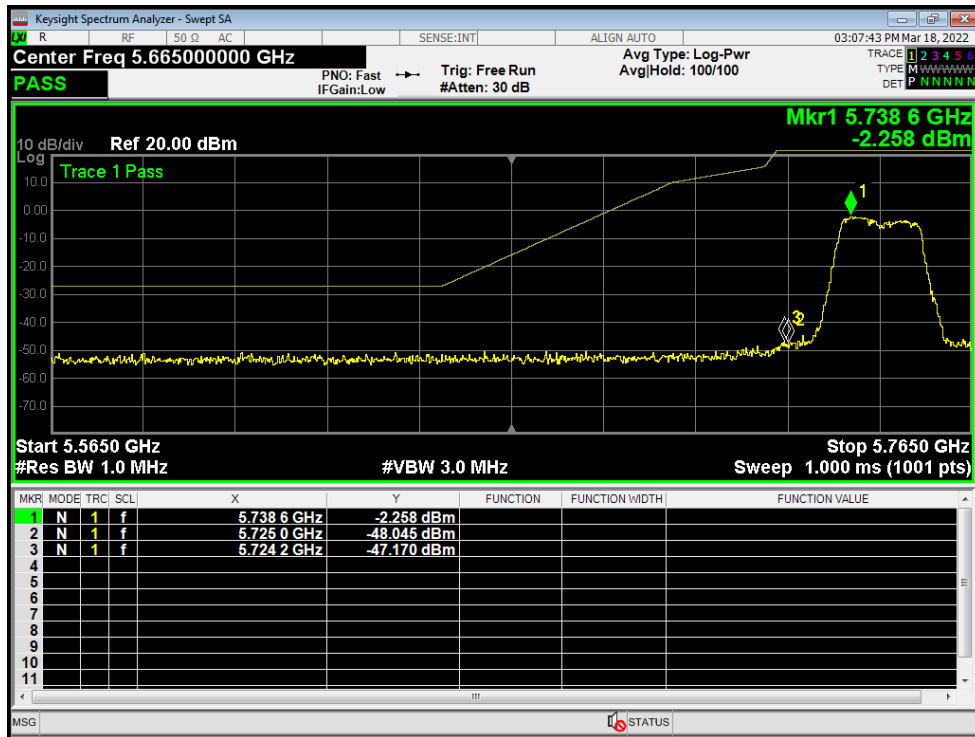


Band Edge NVNT n40 5190MHz Low Ant1

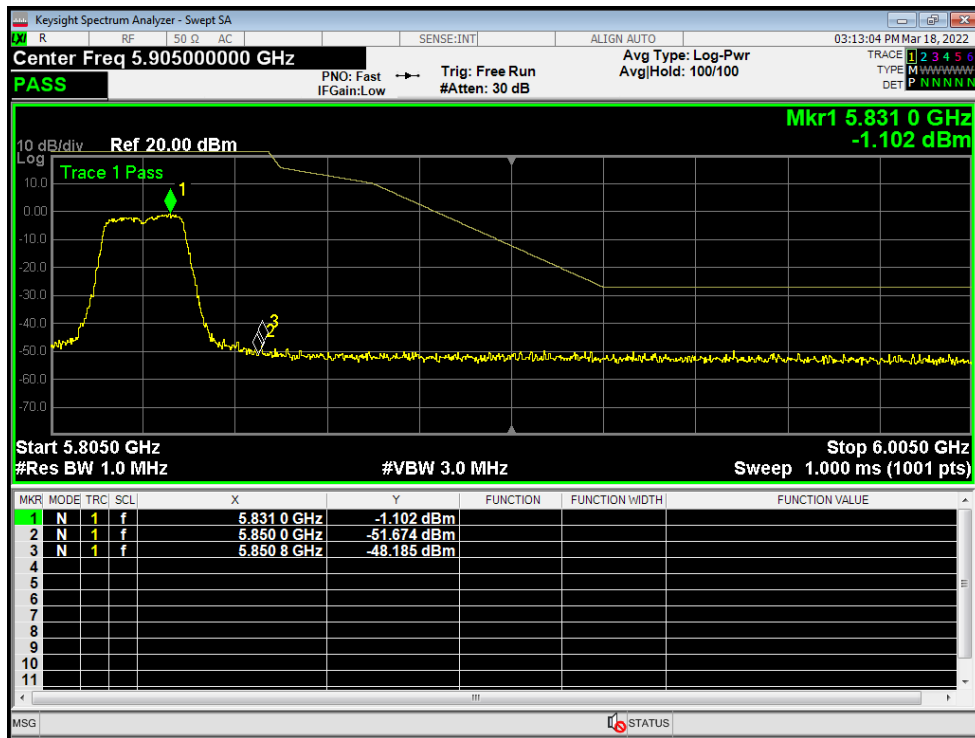


[illegible]

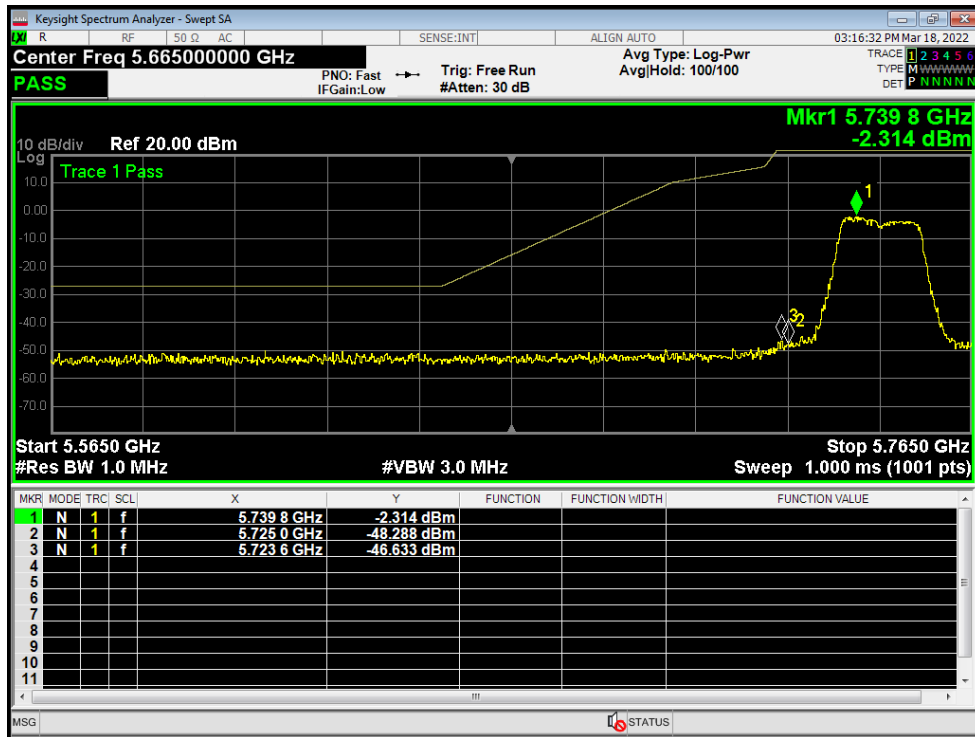
Band Edge NVNT a 5745MHz Low Ant1



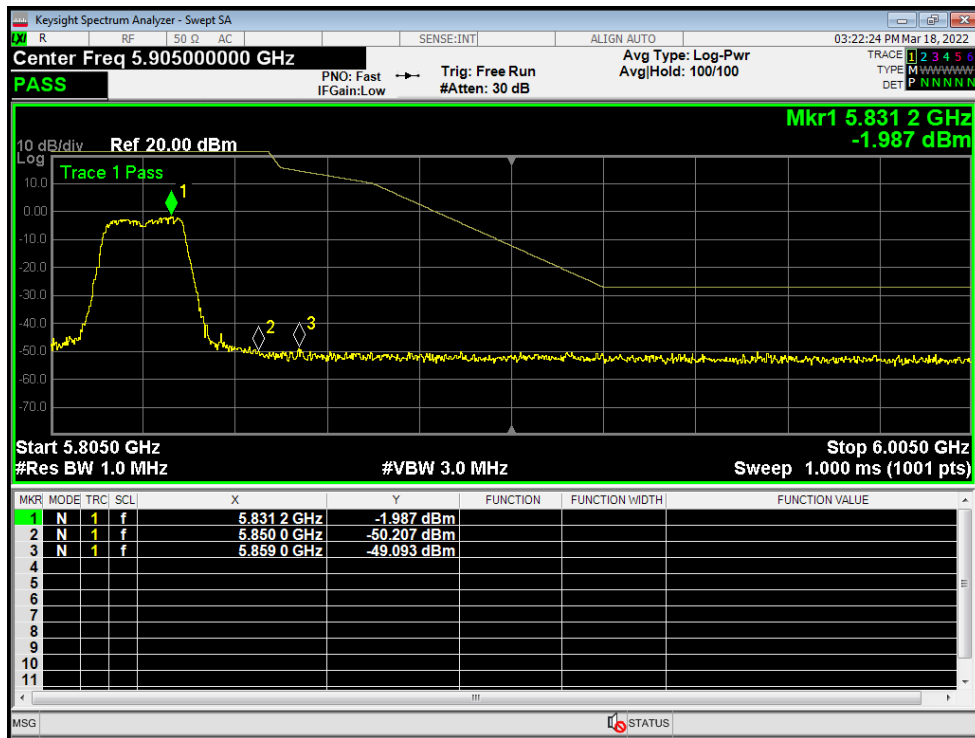
Band Edge NVNT a 5825MHz High Ant1



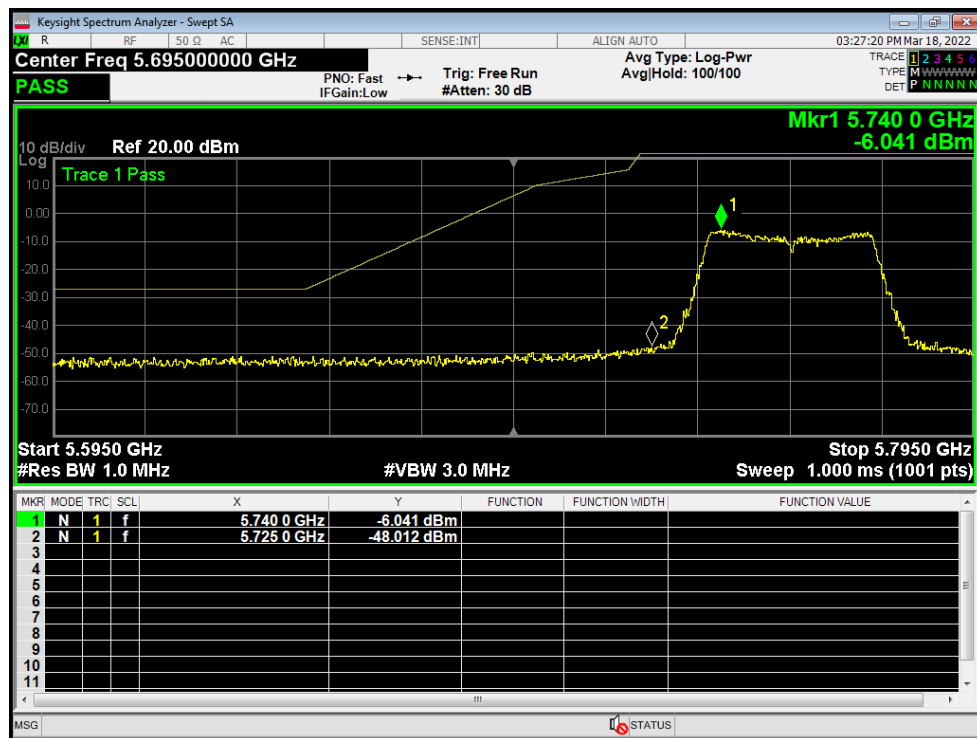
Band Edge NVNT n20 5745MHz Low Ant1



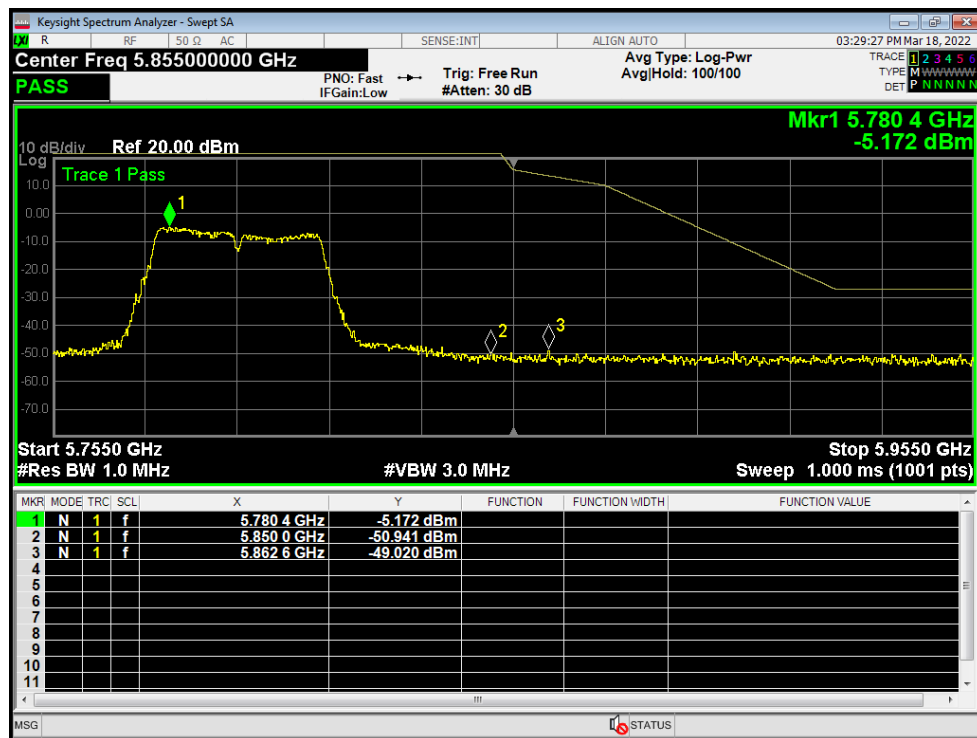
Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1

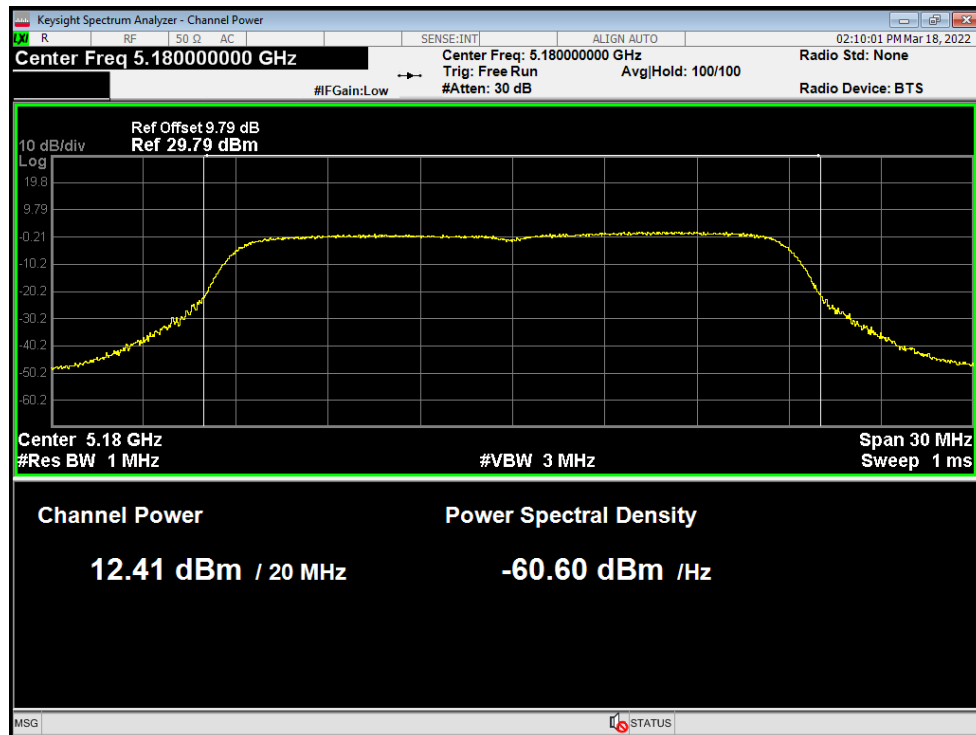


Maximum Conducted Output Power

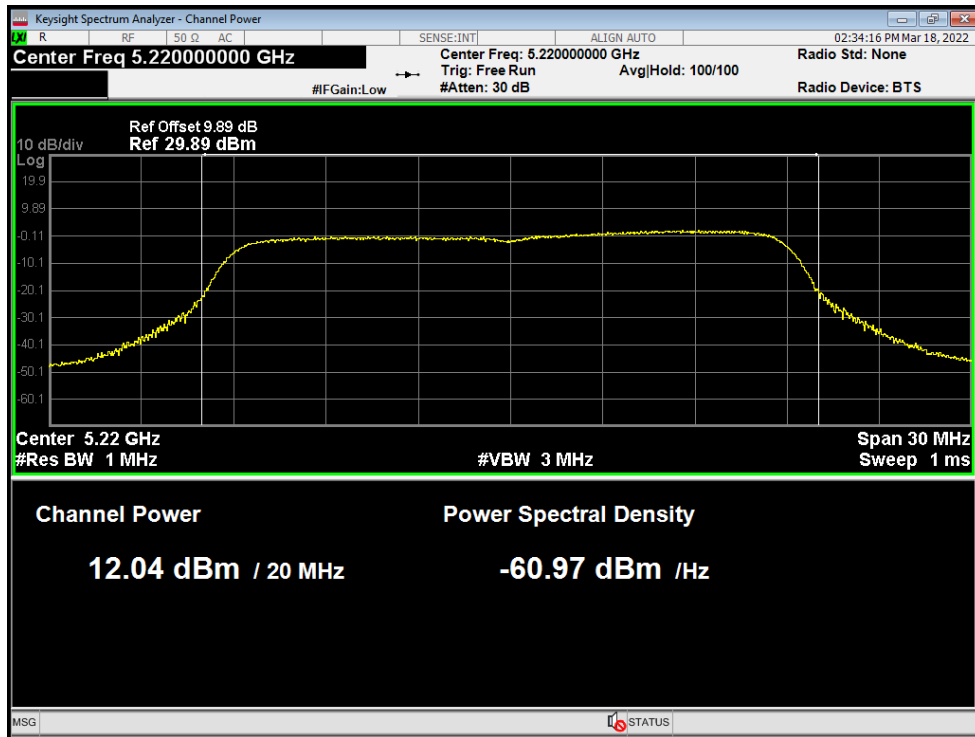
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.413	0	12.413	23.98	Pass
NVNT	a	5220	Ant1	12.044	0	12.044	23.98	Pass
NVNT	a	5240	Ant1	11.909	0	11.909	23.98	Pass
NVNT	n20	5180	Ant1	11.481	0	11.481	23.98	Pass
NVNT	n20	5220	Ant1	11.744	0	11.744	23.98	Pass
NVNT	n20	5240	Ant1	11.214	0	11.214	23.98	Pass
NVNT	n40	5190	Ant1	10.585	0	10.585	23.98	Pass
NVNT	n40	5230	Ant1	10.893	0	10.893	23.98	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.276	0	12.276	30	Pass
NVNT	a	5785	Ant1	12.261	0	12.261	30	Pass
NVNT	a	5825	Ant1	12.535	0	12.535	30	Pass
NVNT	n20	5745	Ant1	11.086	0	11.086	30	Pass
NVNT	n20	5785	Ant1	11.263	0	11.263	30	Pass
NVNT	n20	5825	Ant1	11.544	0	11.544	30	Pass
NVNT	n40	5755	Ant1	10.205	0	10.205	30	Pass
NVNT	n40	5795	Ant1	10.912	0	10.912	30	Pass

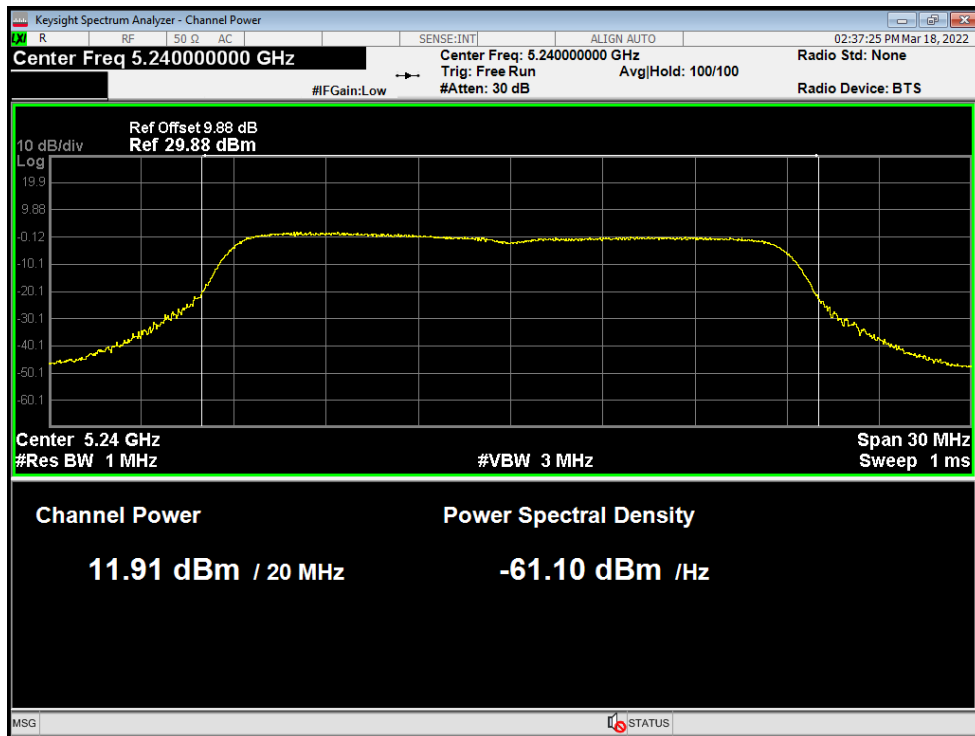
Power NVNT a 5180MHz Ant1



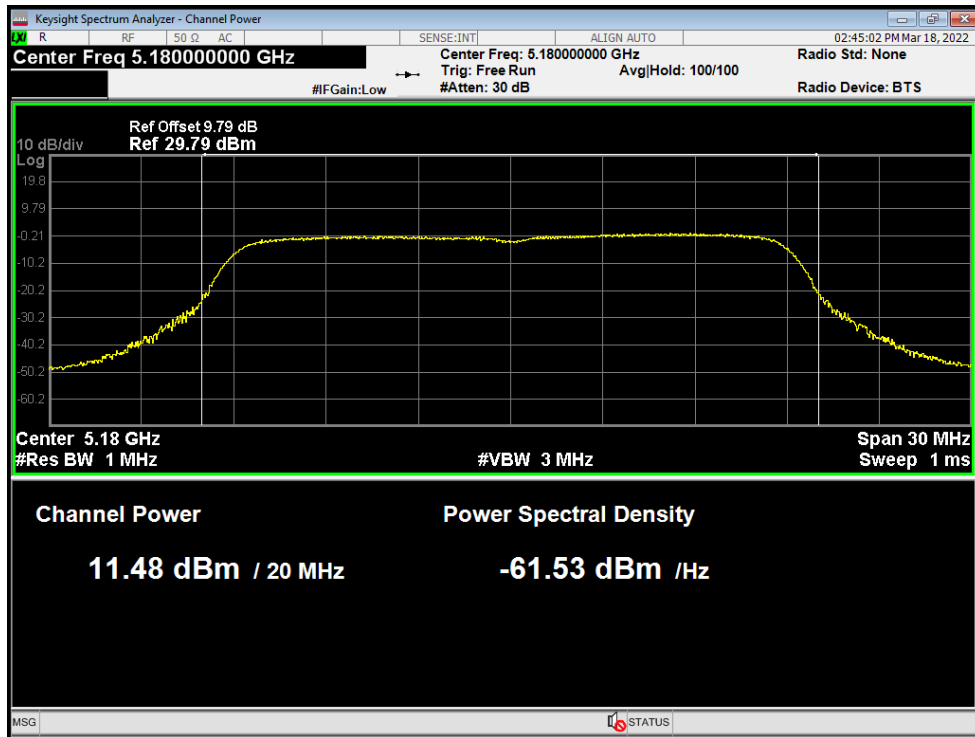
Power NVNT a 5220MHz Ant1



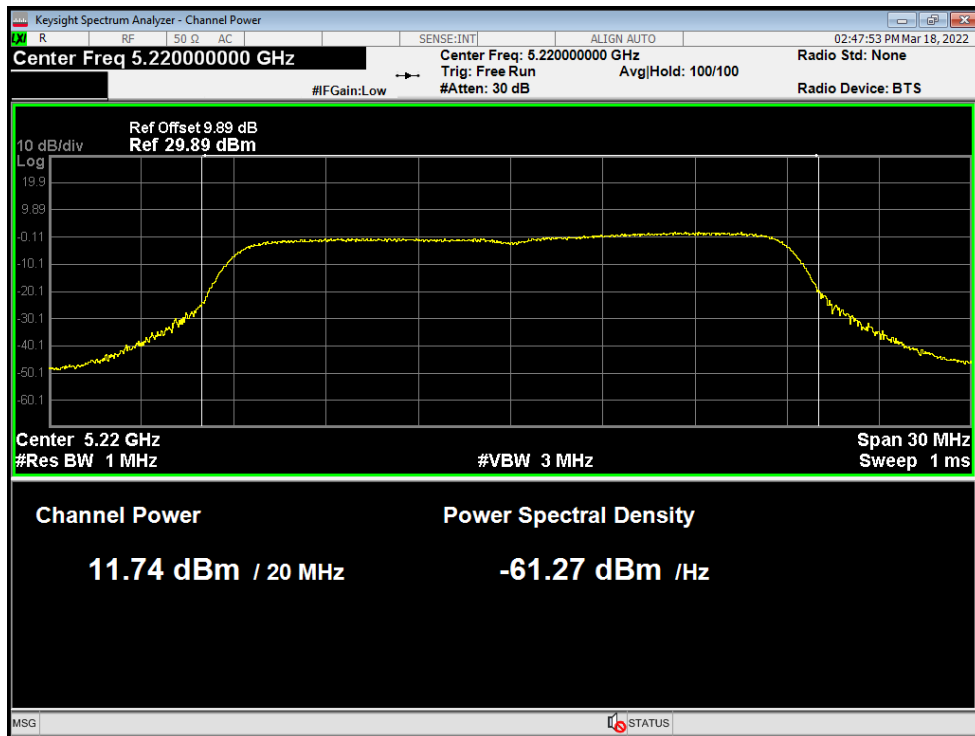
Power NVNT a 5240MHz Ant1



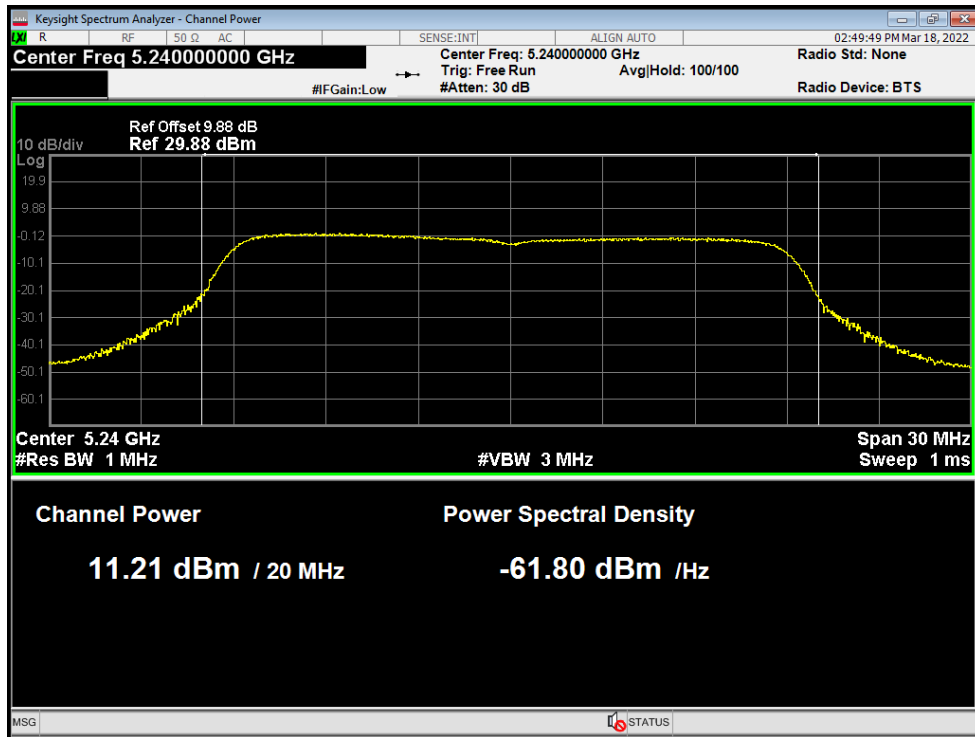
Power NVNT n20 5180MHz Ant1



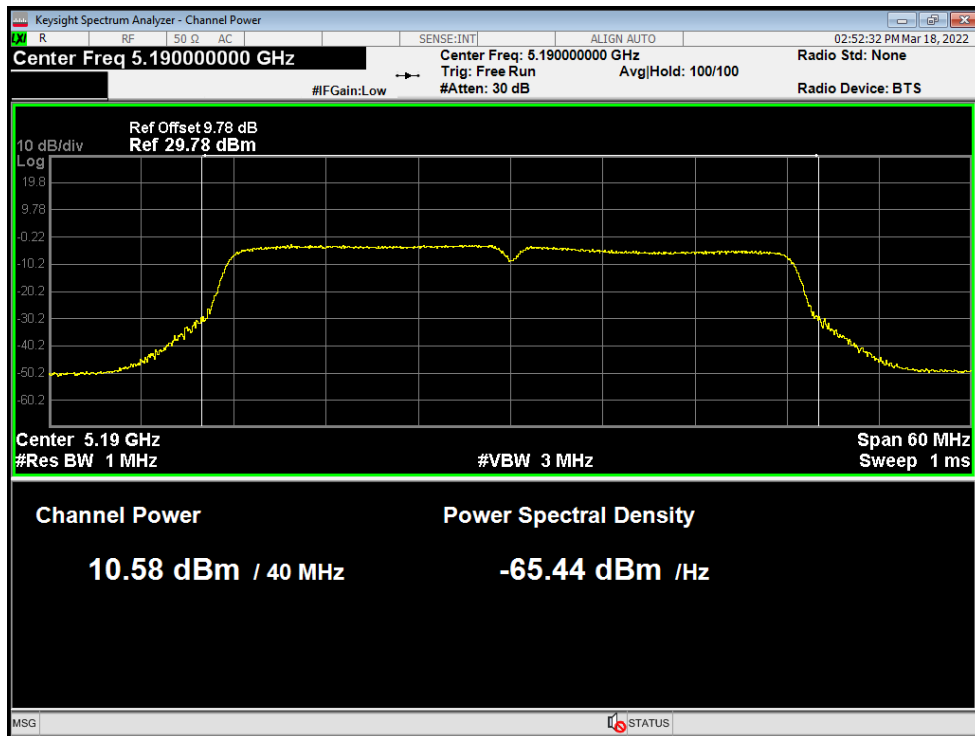
Power NVNT n20 5220MHz Ant1



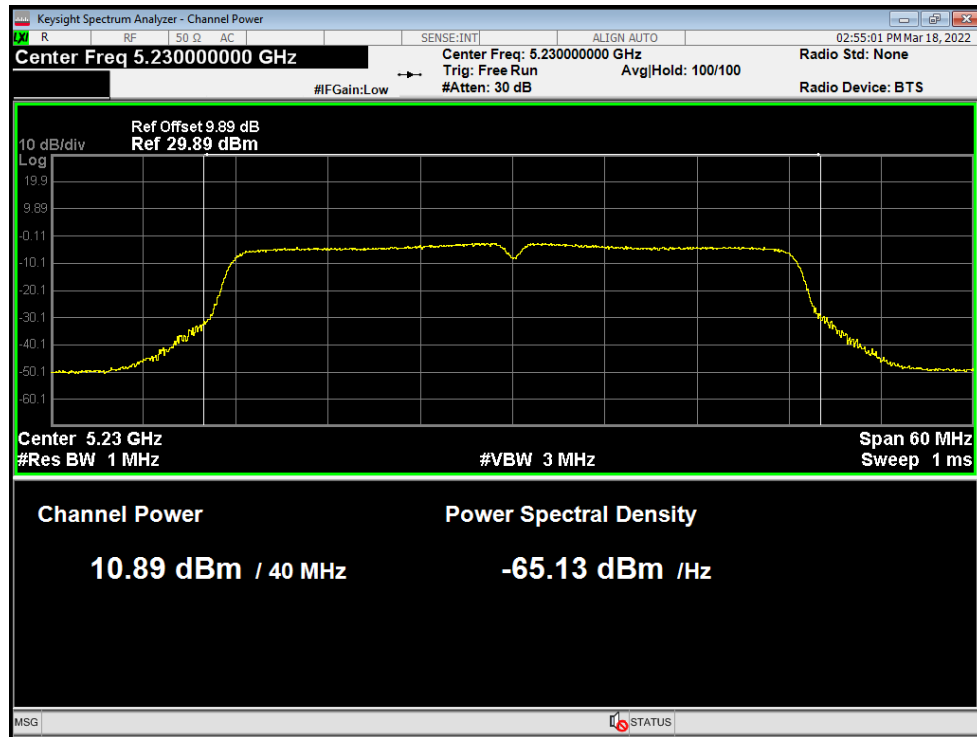
Power NVNT n20 5240MHz Ant1



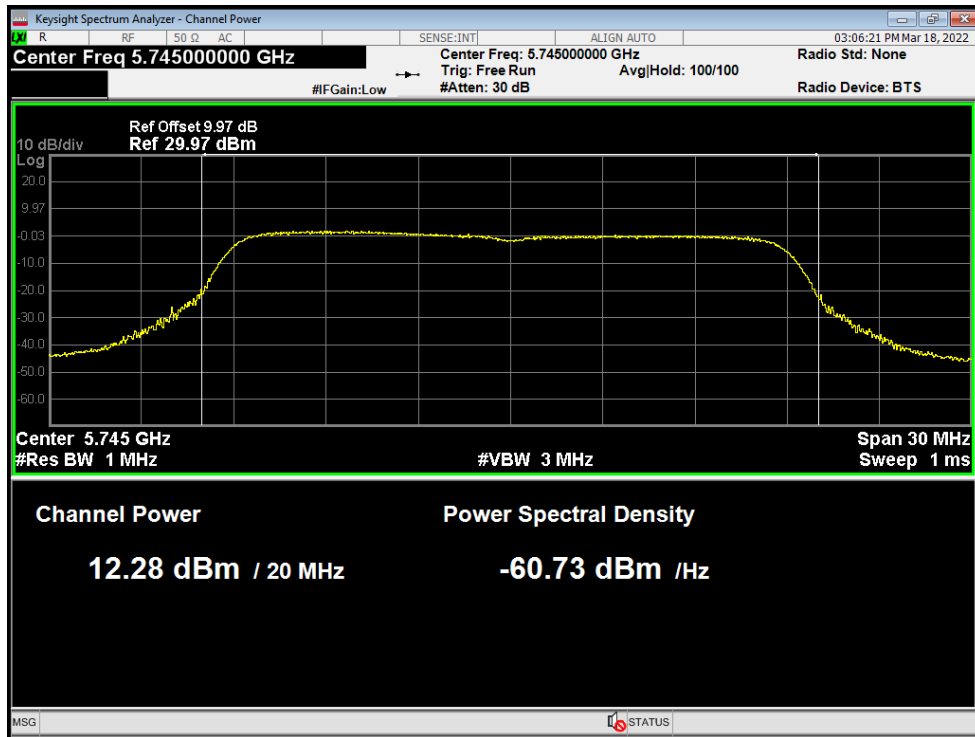
Power NVNT n40 5190MHz Ant1



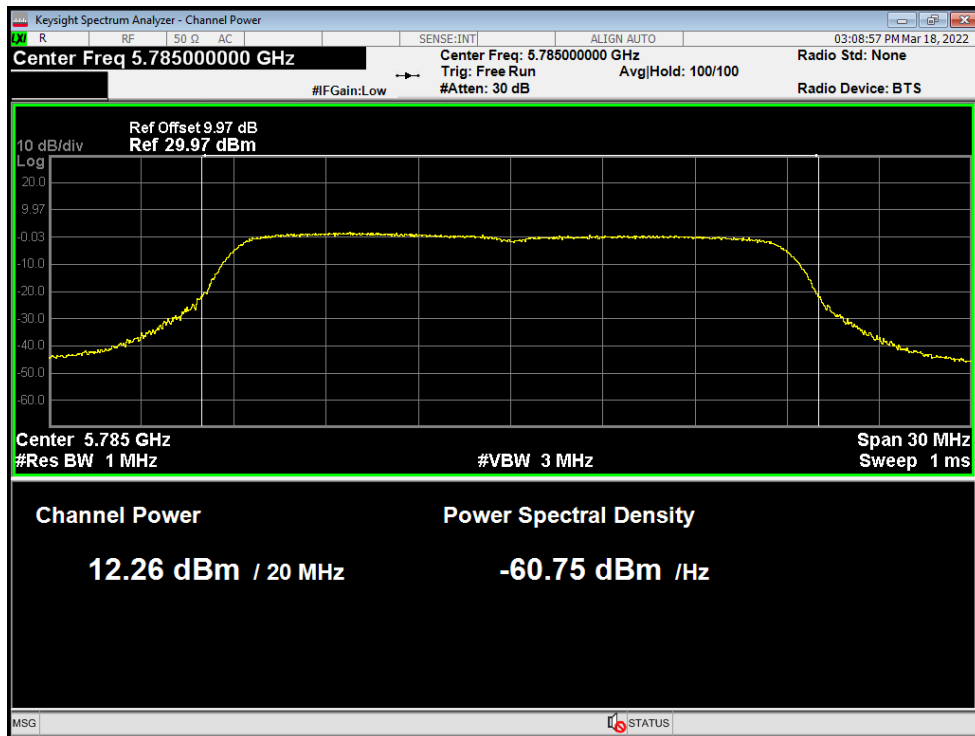
Power NVNT n40 5230MHz Ant1



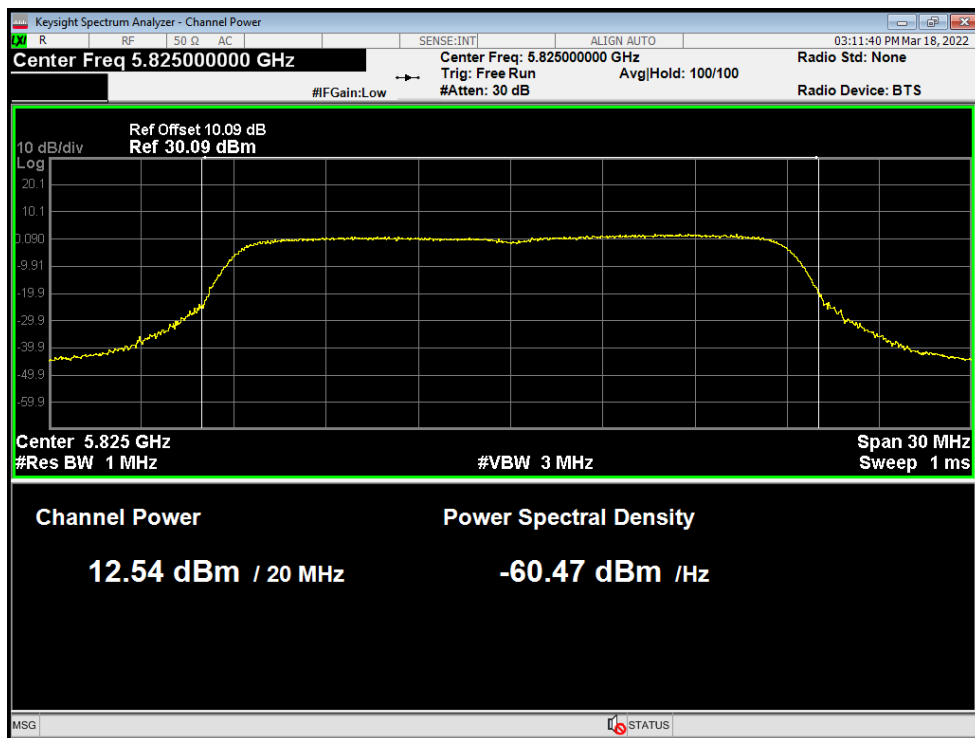
Power NVNT a 5745MHz Ant1



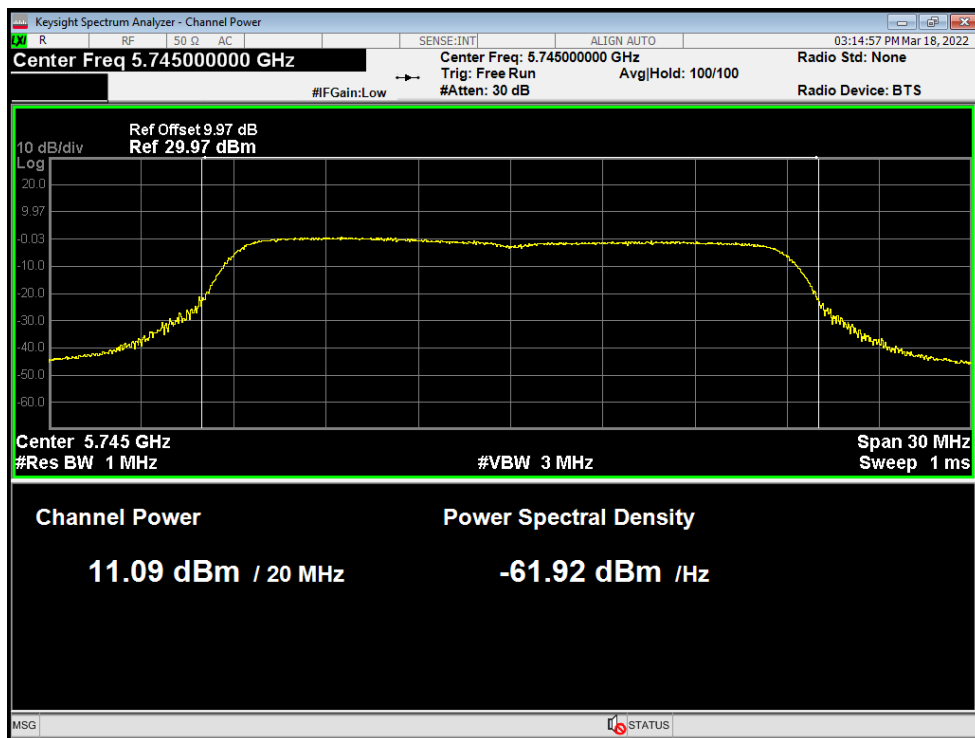
Power NVNT a 5785MHz Ant1



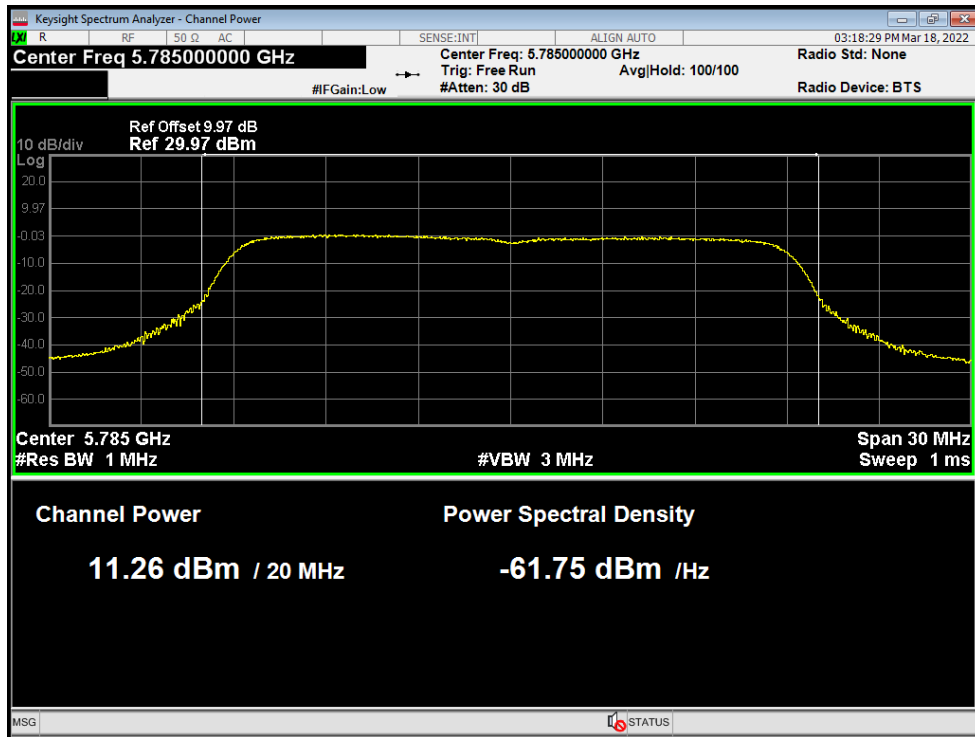
Power NVNT a 5825MHz Ant1



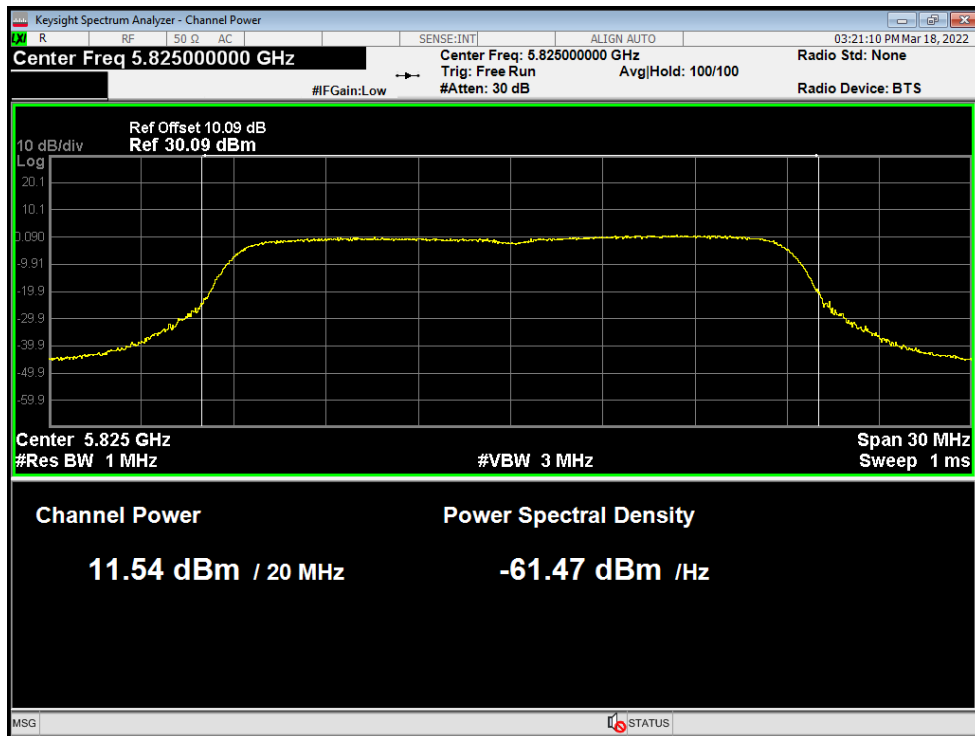
Power NVNT n20 5745MHz Ant1



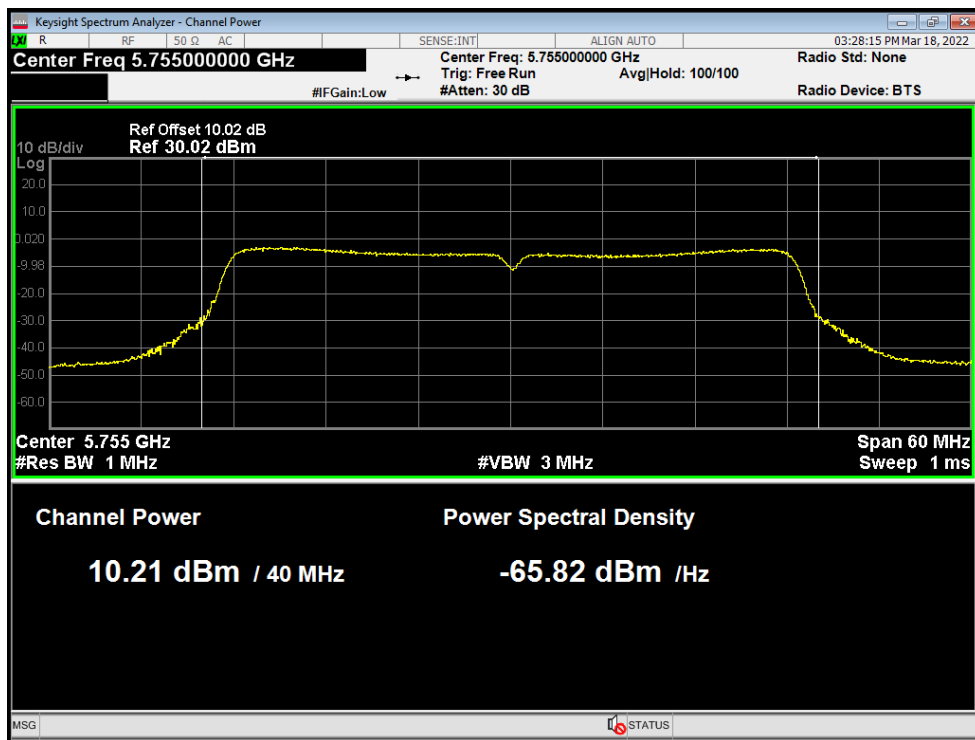
Power NVNT n20 5785MHz Ant1



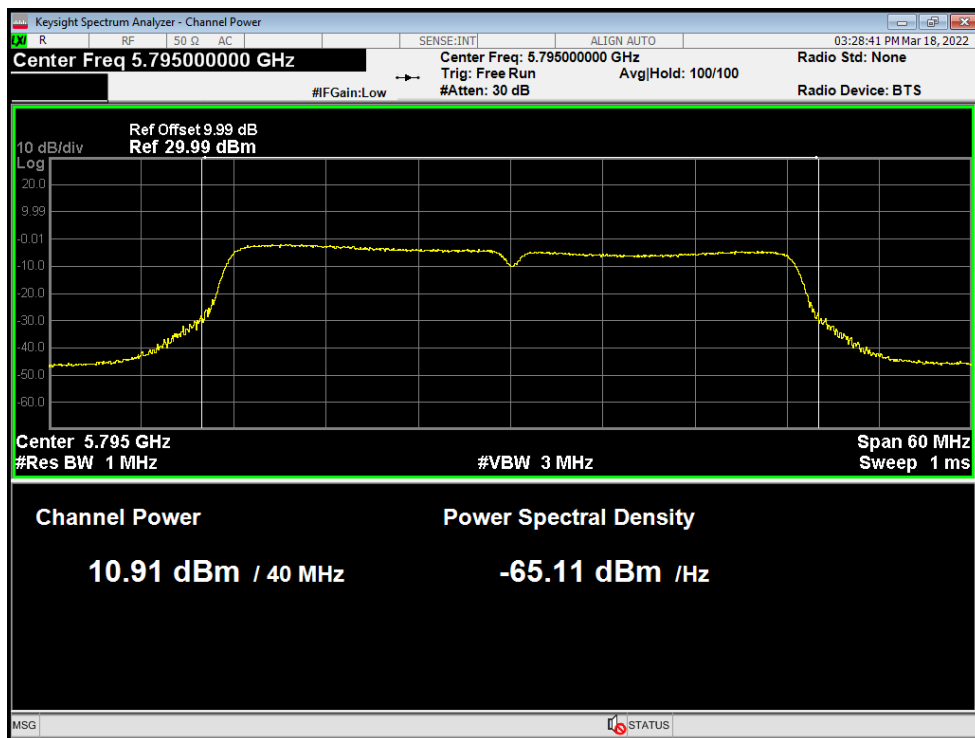
Power NVNT n20 5825MHz Ant1



Power NVNT n40 5755MHz Ant1



Power NVNT n40 5795MHz Ant1

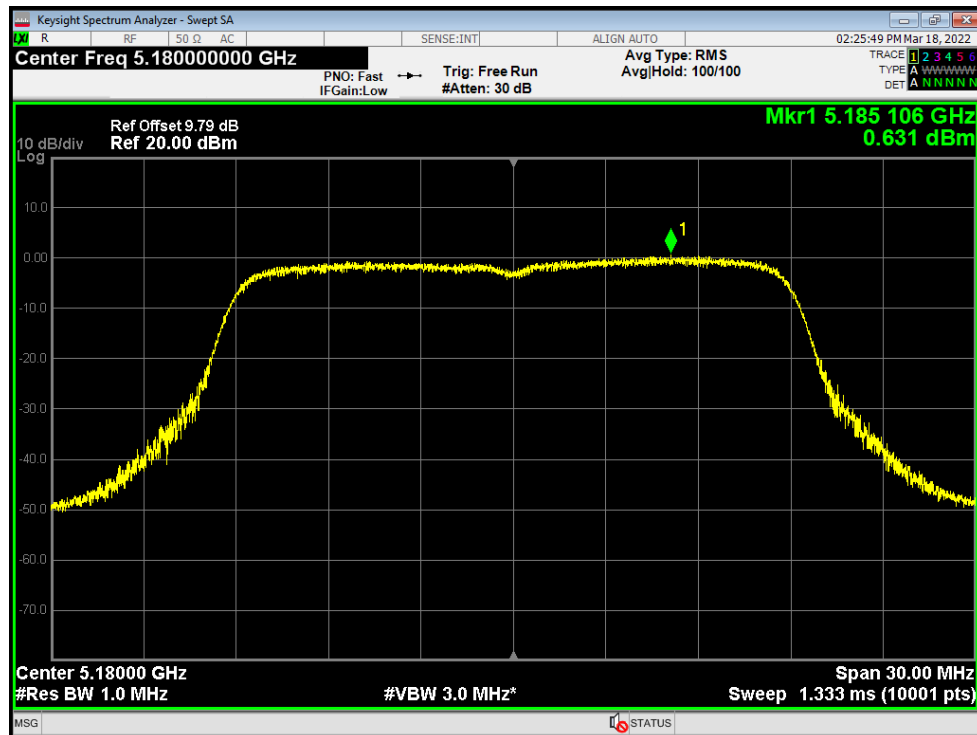


Maximum Power Spectral Density Level

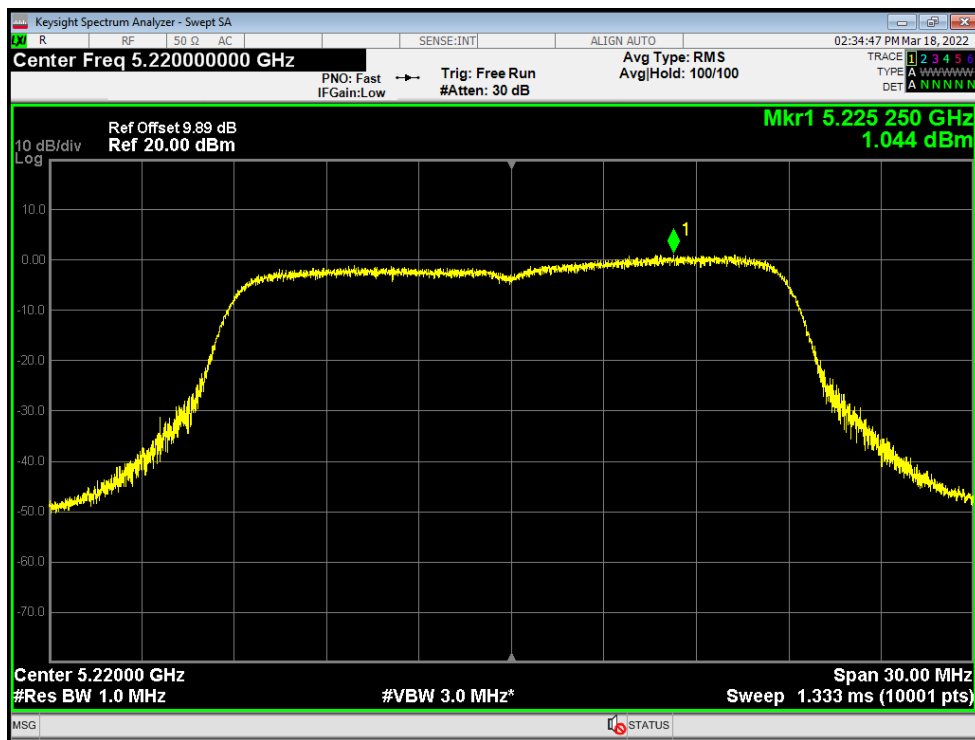
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.631	11	Pass
NVNT	a	5220	Ant1	1.044	11	Pass
NVNT	a	5240	Ant1	0.781	11	Pass
NVNT	n20	5180	Ant1	0.706	11	Pass
NVNT	n20	5220	Ant1	1.475	11	Pass
NVNT	n20	5240	Ant1	1.067	11	Pass
NVNT	n40	5190	Ant1	-3.635	11	Pass
NVNT	n40	5230	Ant1	-2.817	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-2.435	30	Pass
NVNT	a	5785	Ant1	-1.846	30	Pass
NVNT	a	5825	Ant1	-1.153	30	Pass
NVNT	n20	5745	Ant1	-2.268	30	Pass
NVNT	n20	5785	Ant1	-2.378	30	Pass
NVNT	n20	5825	Ant1	-2.408	30	Pass
NVNT	n40	5755	Ant1	-6.11	30	Pass
NVNT	n40	5795	Ant1	-4.801	30	Pass

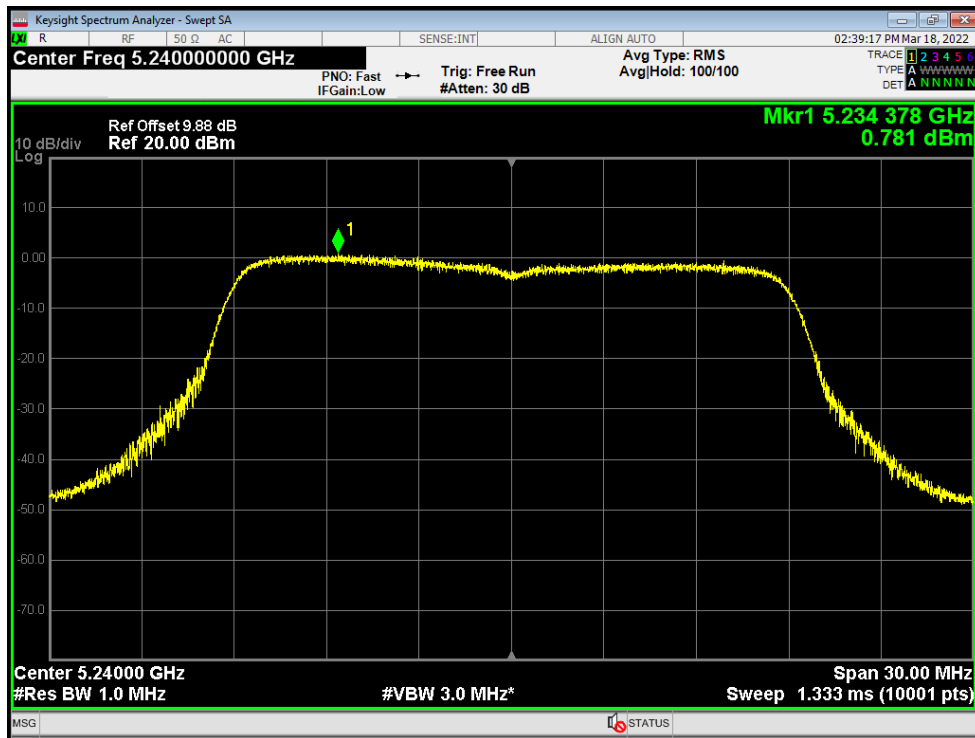
PSD NVNT a 5180MHz Ant1



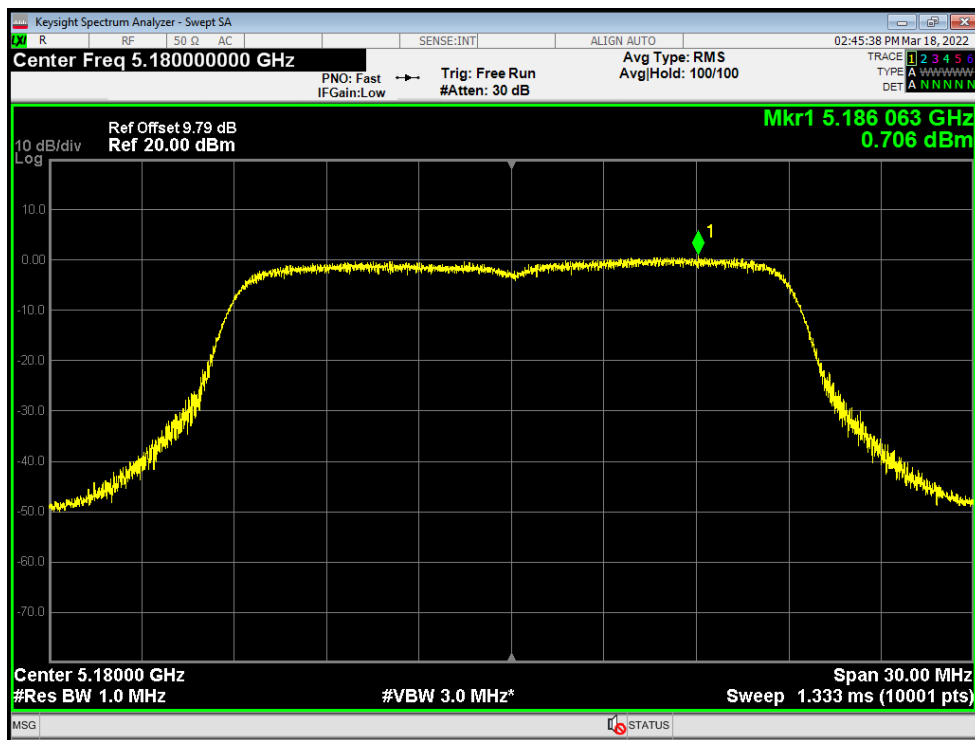
PSD NVNT a 5220MHz Ant1



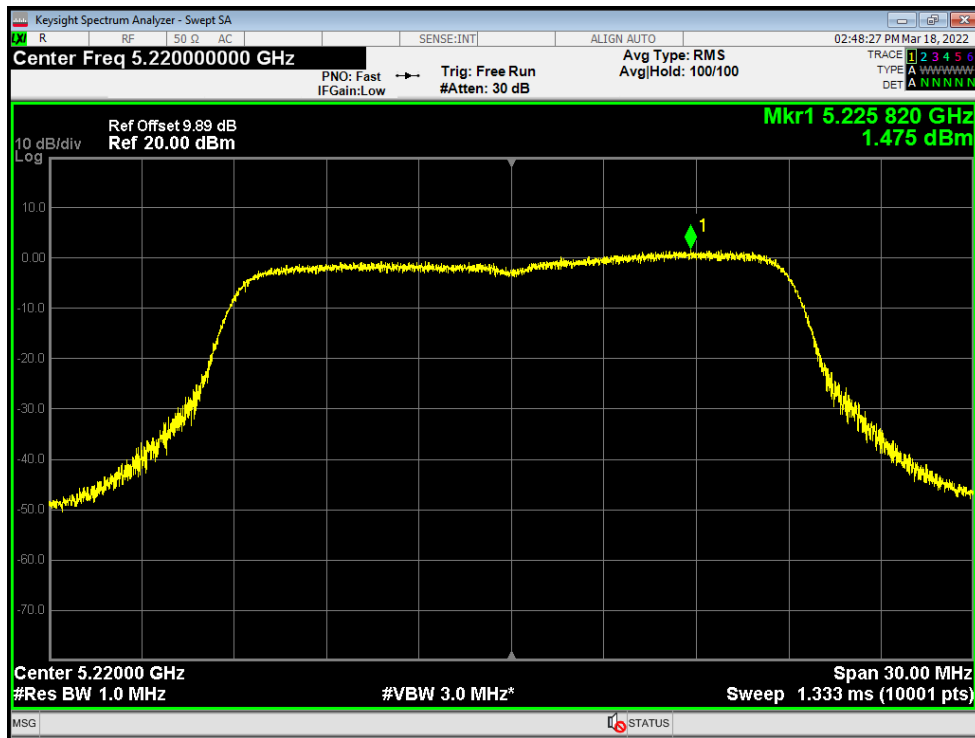
PSD NVNT a 5240MHz Ant1



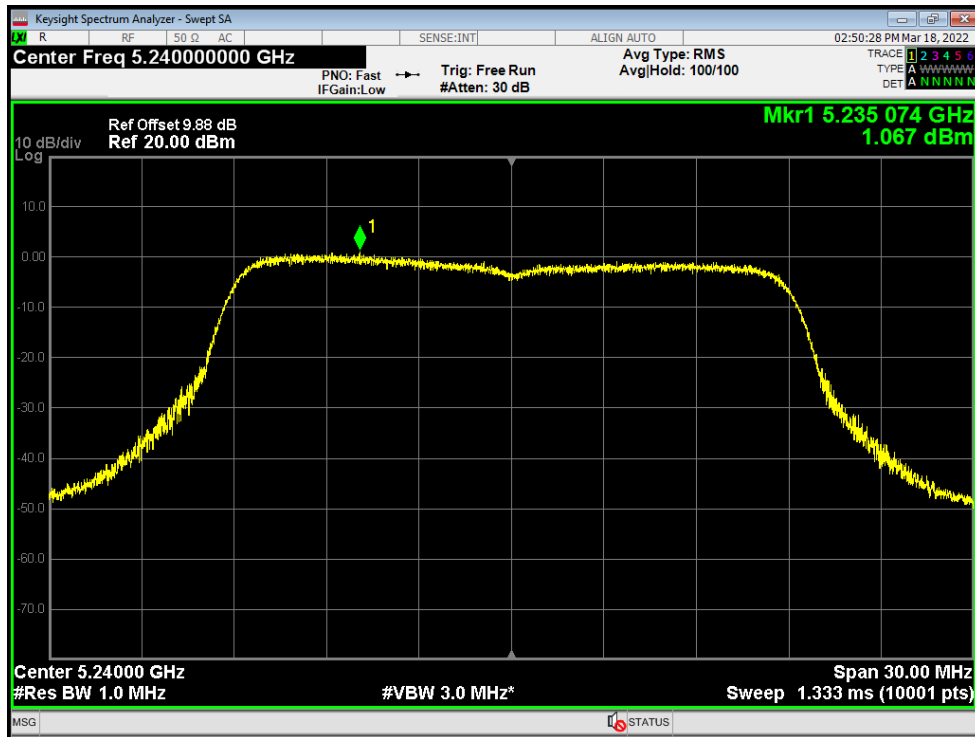
PSD NVNT n20 5180MHz Ant1



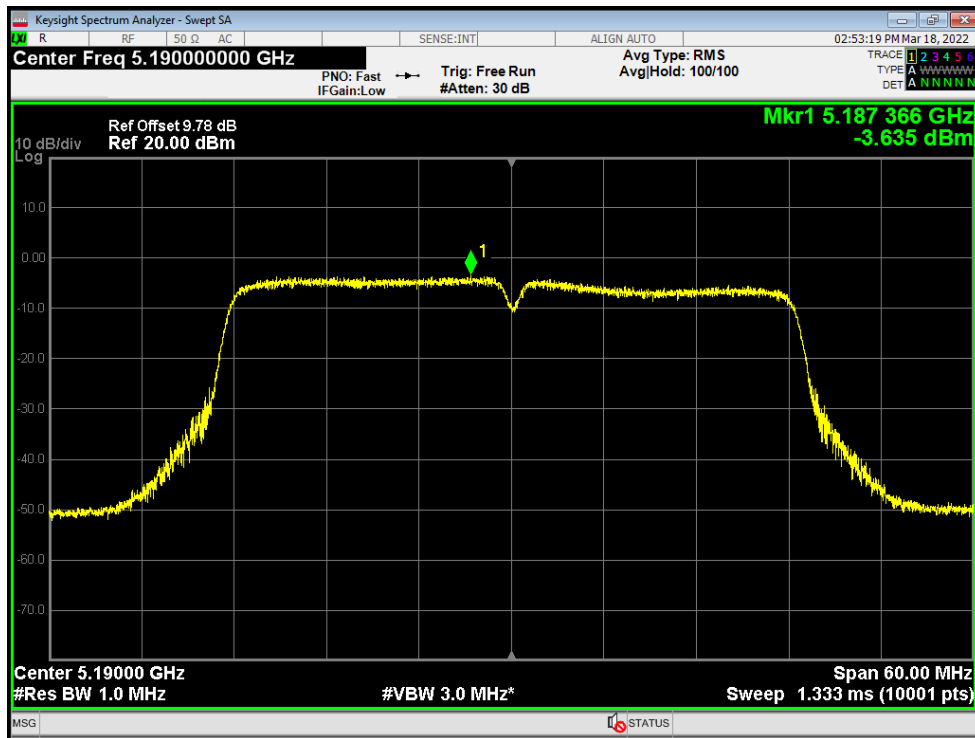
PSD NVNT n20 5220MHz Ant1



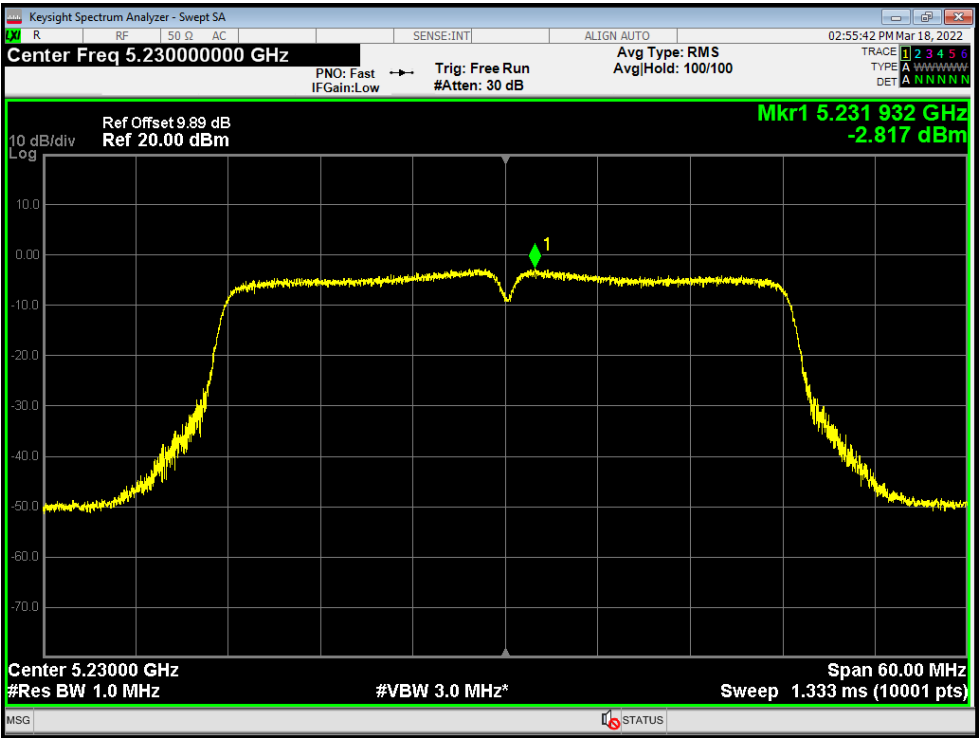
PSD NVNT n20 5240MHz Ant1



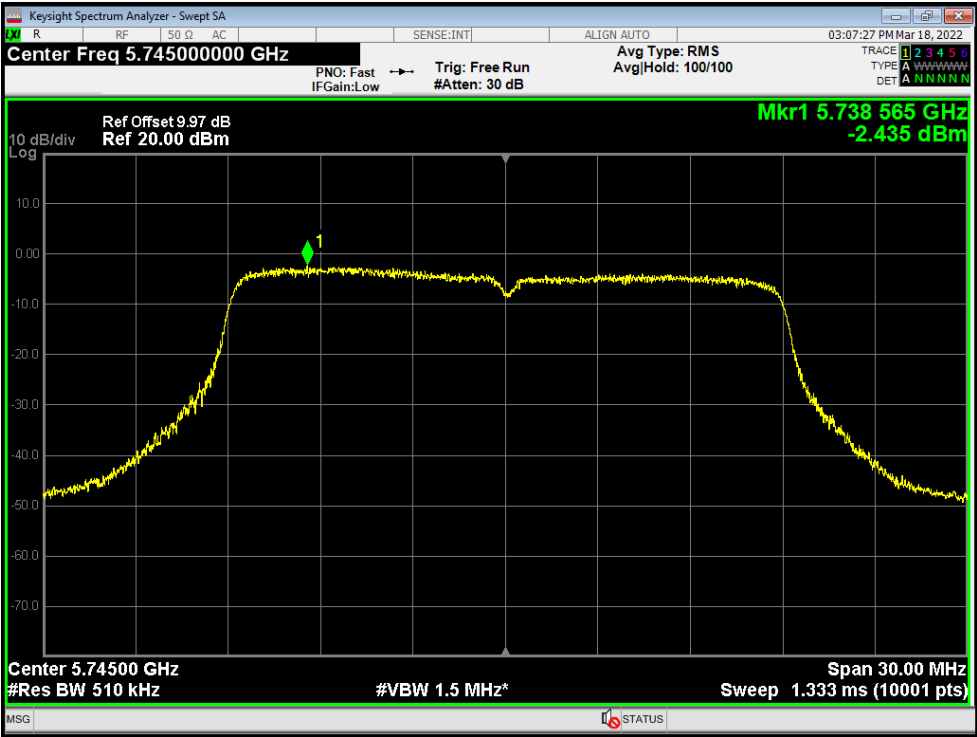
PSD NVNT n40 5190MHz Ant1



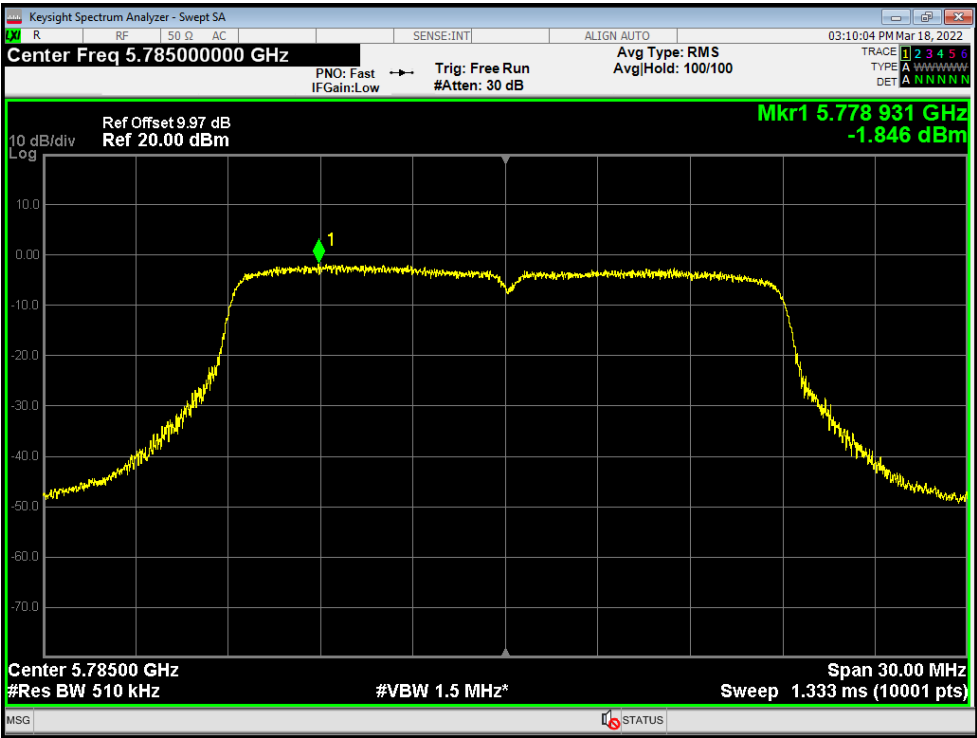
PSD NVNT n40 5230MHz Ant1



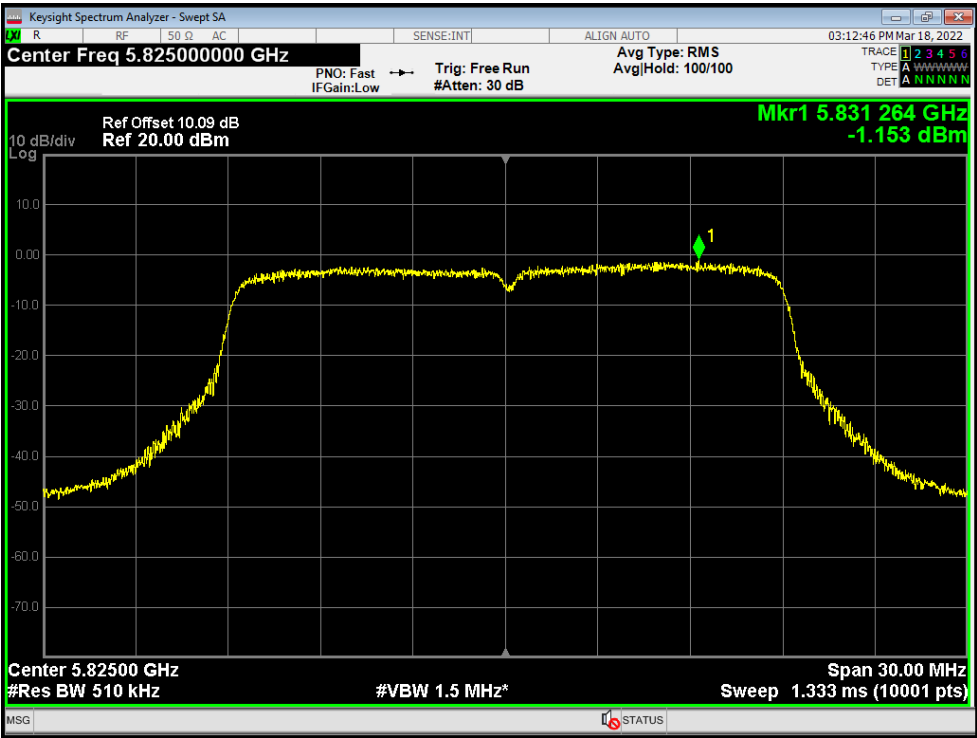
PSD NVNT a 5745MHz Ant1



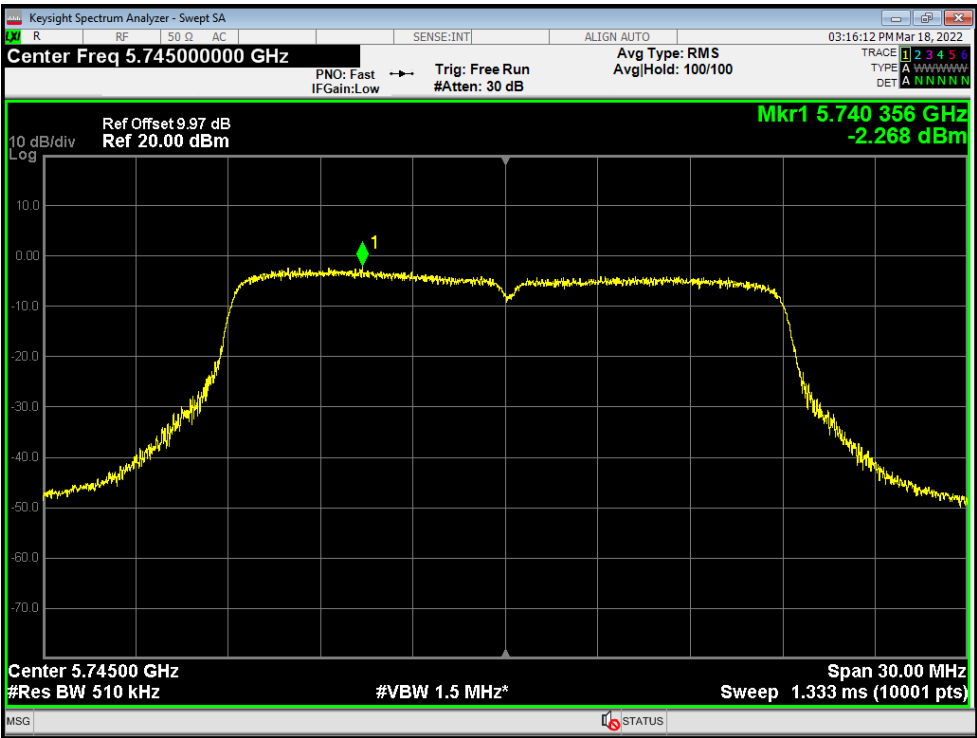
PSD NVNT a 5785MHz Ant1



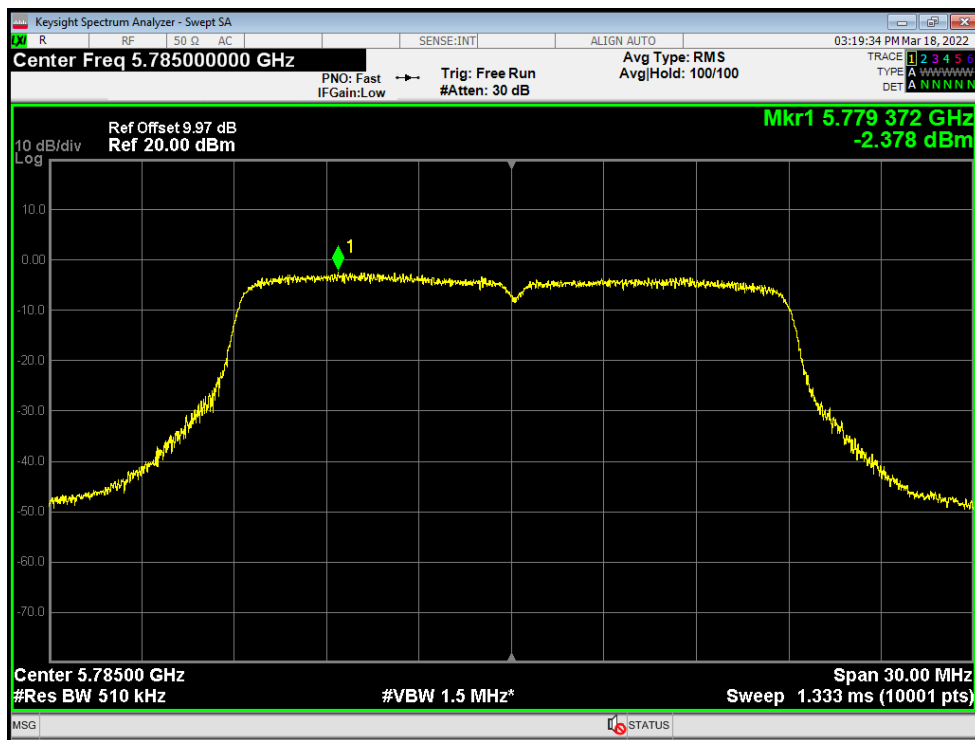
PSD NVNT a 5825MHz Ant1



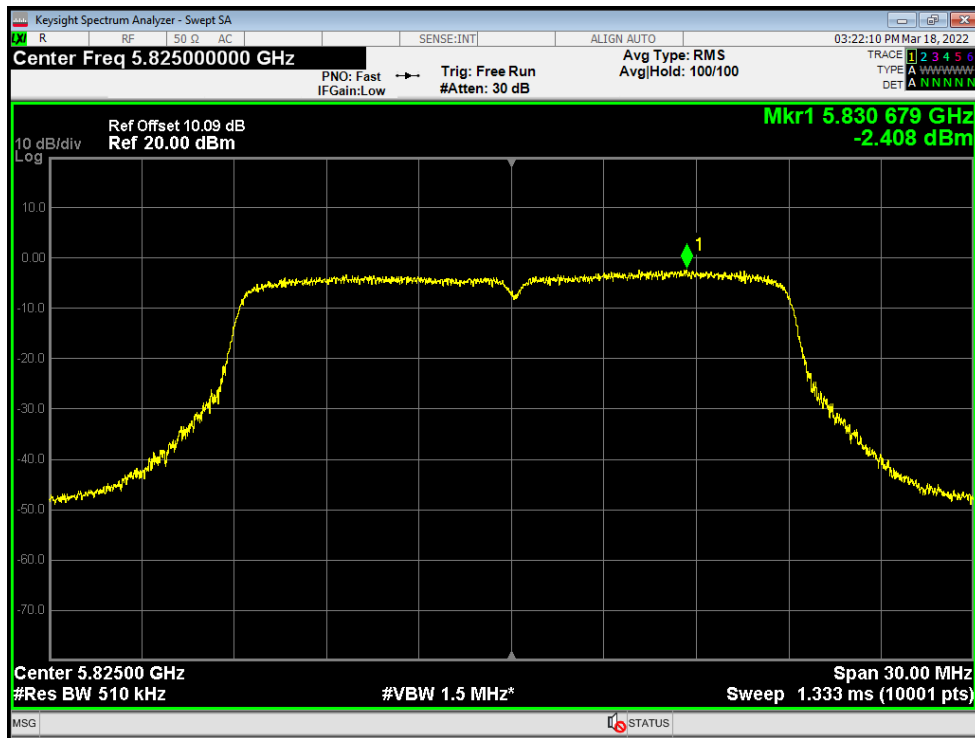
PSD NVNT n20 5745MHz Ant1



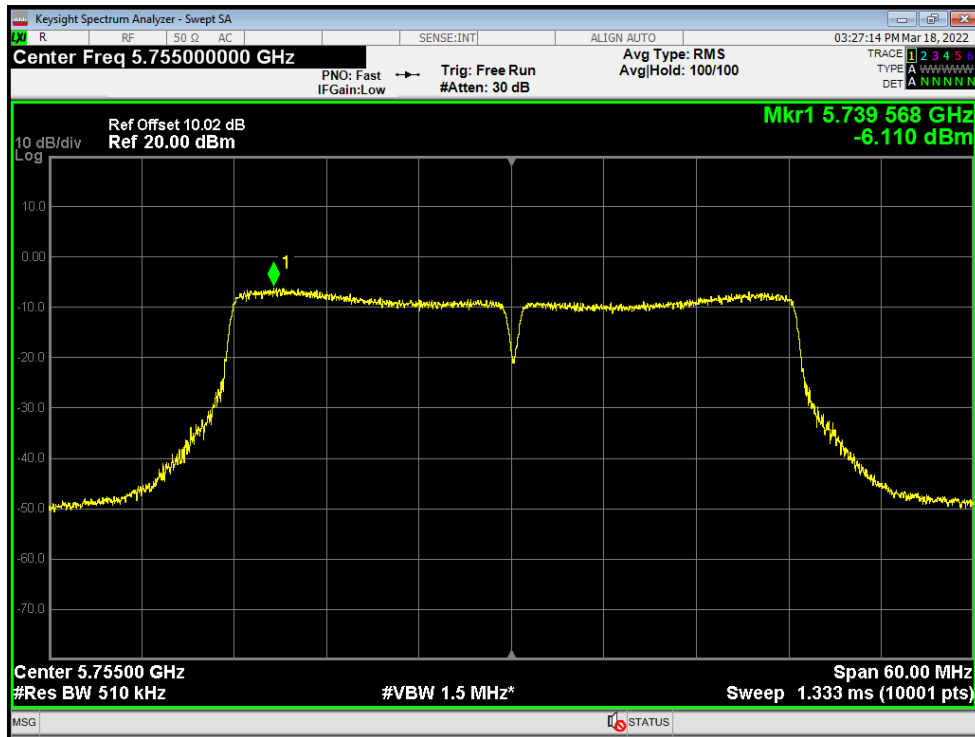
PSD NVNT n20 5785MHz Ant1



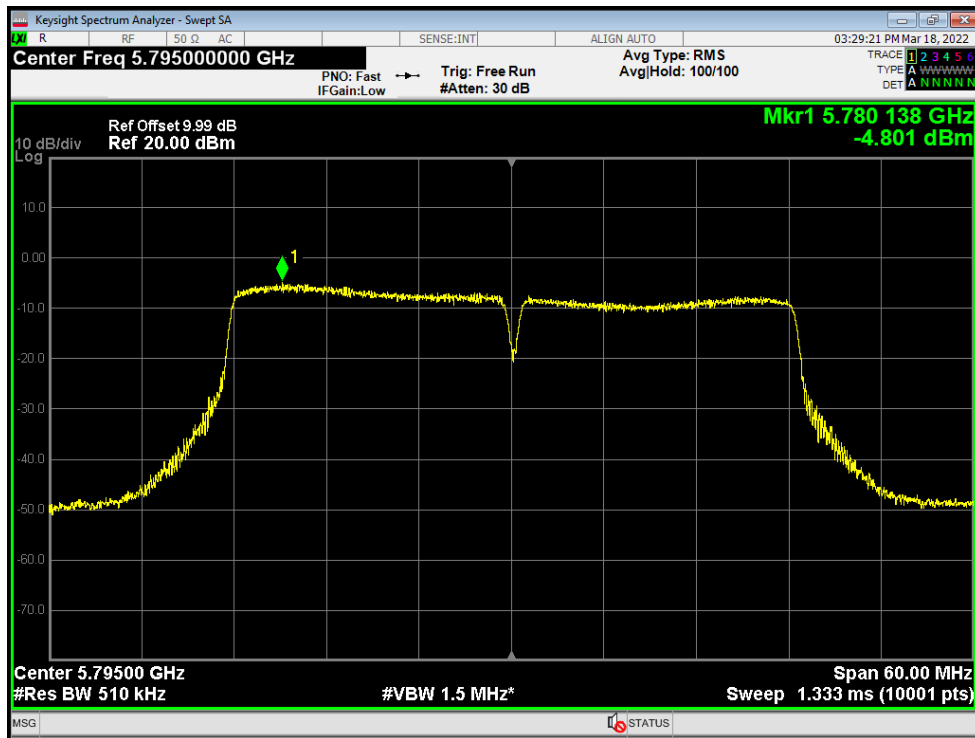
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



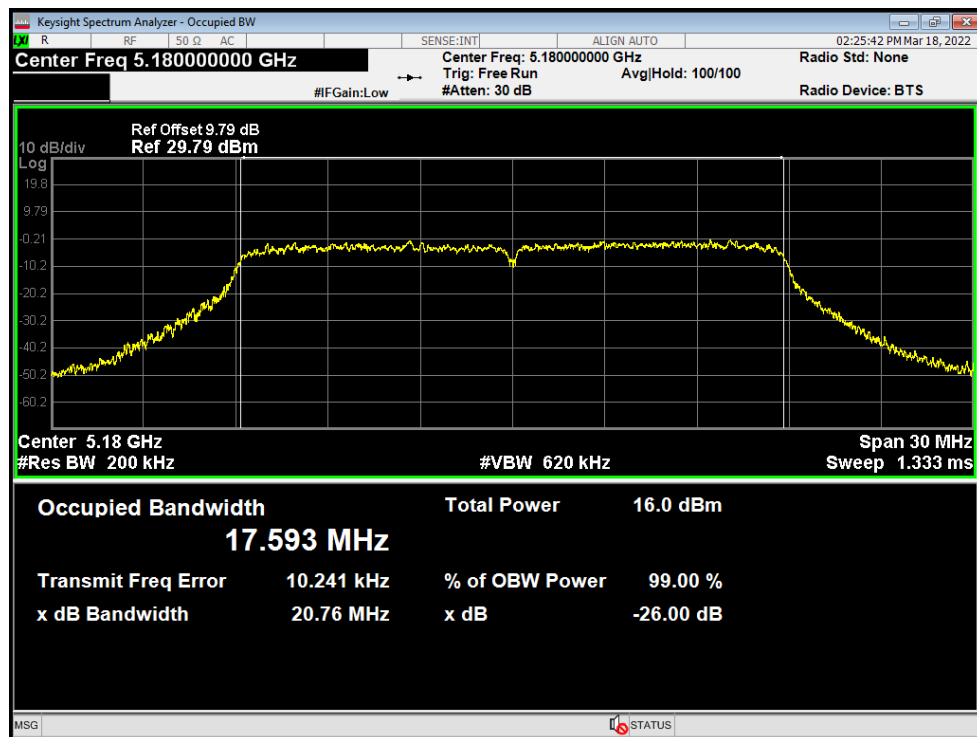
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	26dB Bandwidth
NVNT	a	5180	Ant1	17.593	20.76
NVNT	a	5220	Ant1	17.634	20.66
NVNT	a	5240	Ant1	17.685	20.68
NVNT	n20	5180	Ant1	17.583	20.64
NVNT	n20	5220	Ant1	17.621	20.55
NVNT	n20	5240	Ant1	17.670	20.75
NVNT	n40	5190	Ant1	36.217	41.66
NVNT	n40	5230	Ant1	36.114	41.81

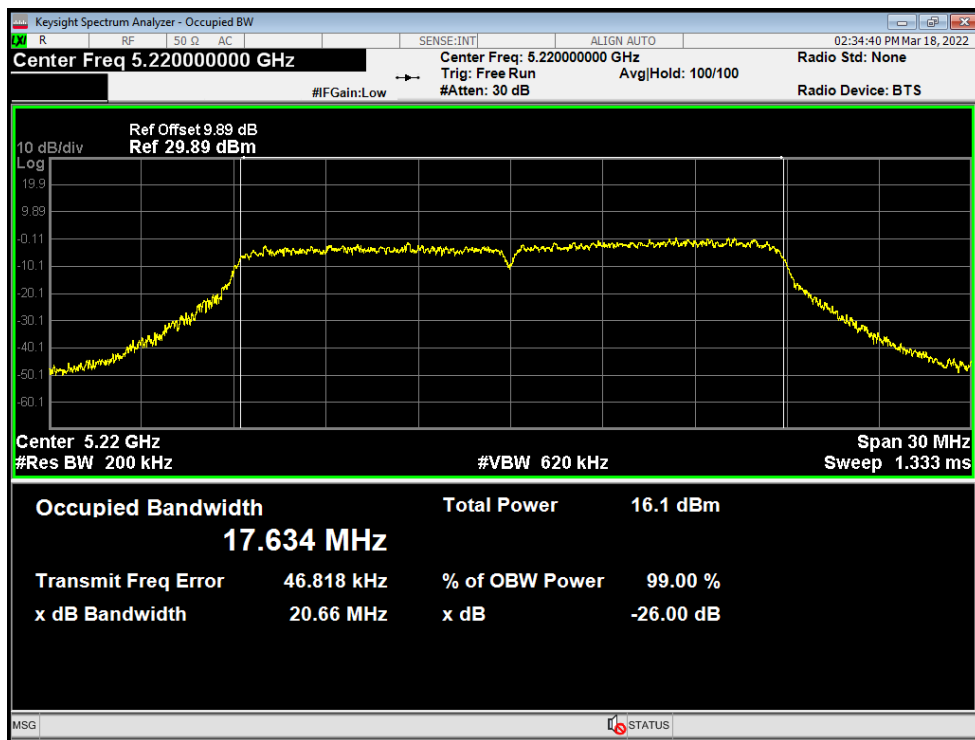
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	17.295	0.5	Pass
NVNT	a	5785	Ant1	17.591	0.5	Pass
NVNT	a	5825	Ant1	17.622	0.5	Pass
NVNT	n20	5745	Ant1	17.238	0.5	Pass
NVNT	n20	5785	Ant1	17.621	0.5	Pass
NVNT	n20	5825	Ant1	17.633	0.5	Pass
NVNT	n40	5755	Ant1	36.519	0.5	Pass
NVNT	n40	5795	Ant1	36.420	0.5	Pass

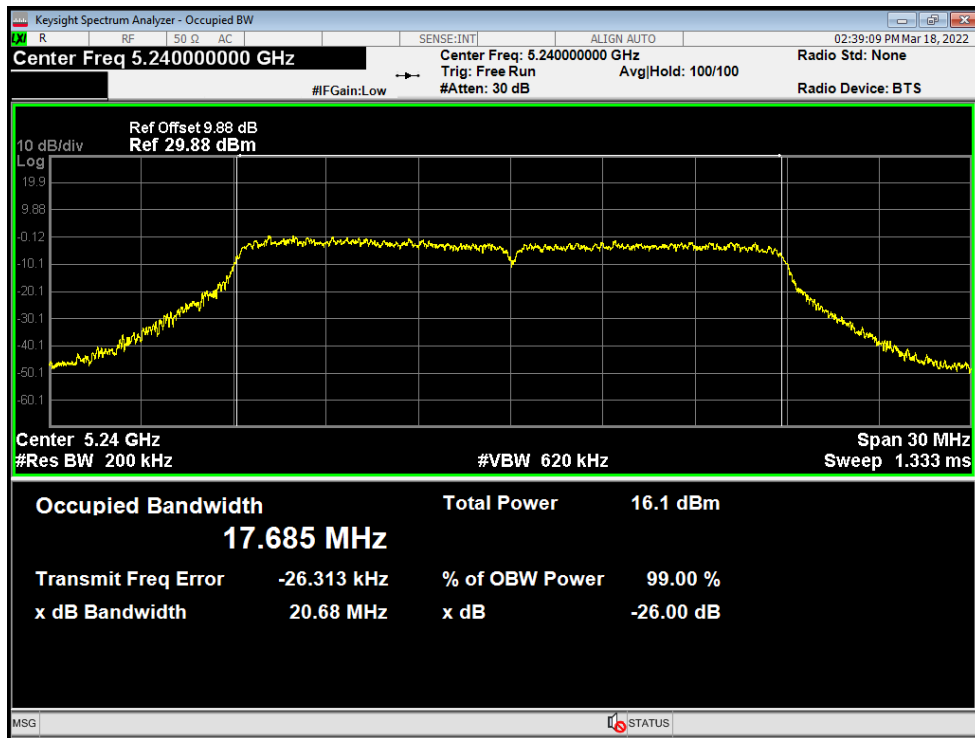
OBW NVNT a 5180MHz Ant1



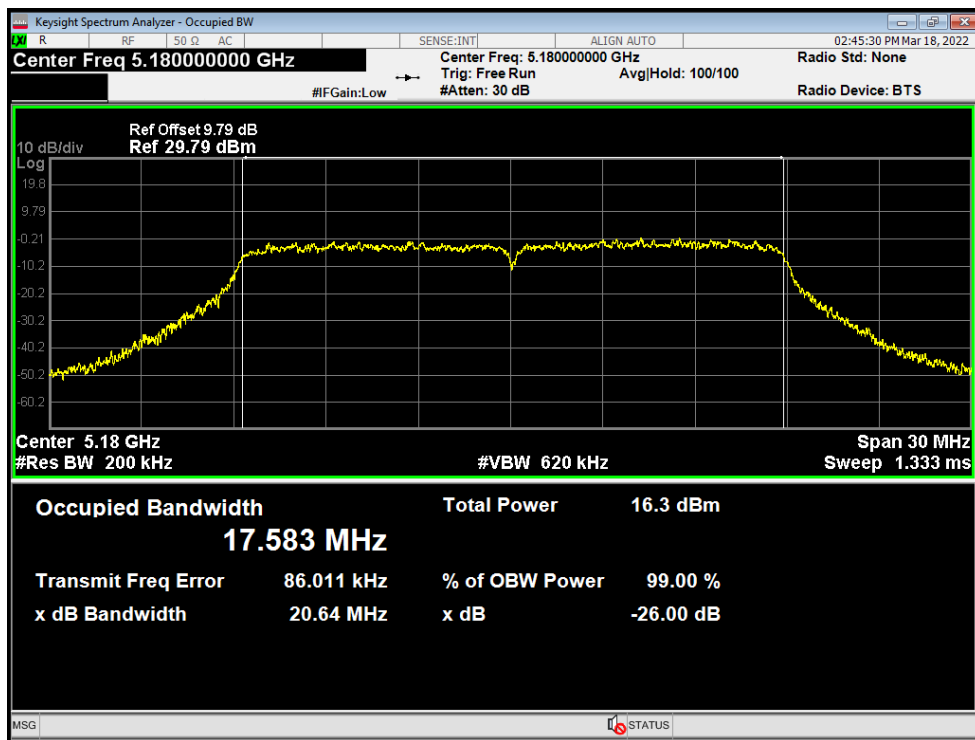
OBW NVNT a 5220MHz Ant1



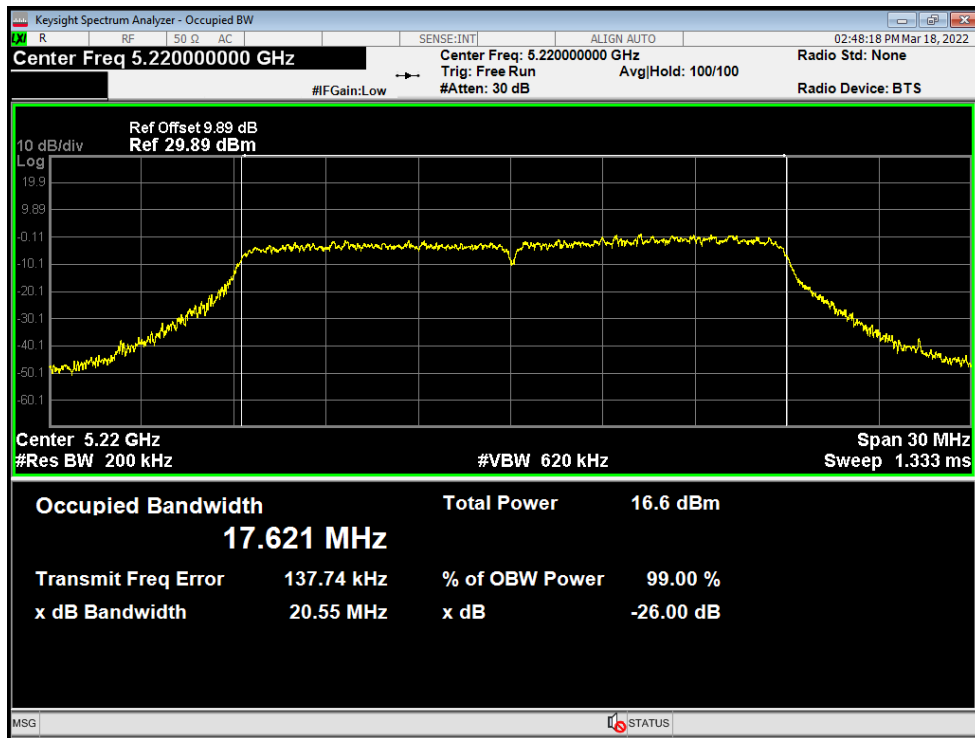
OBW NVNT a 5240MHz Ant1



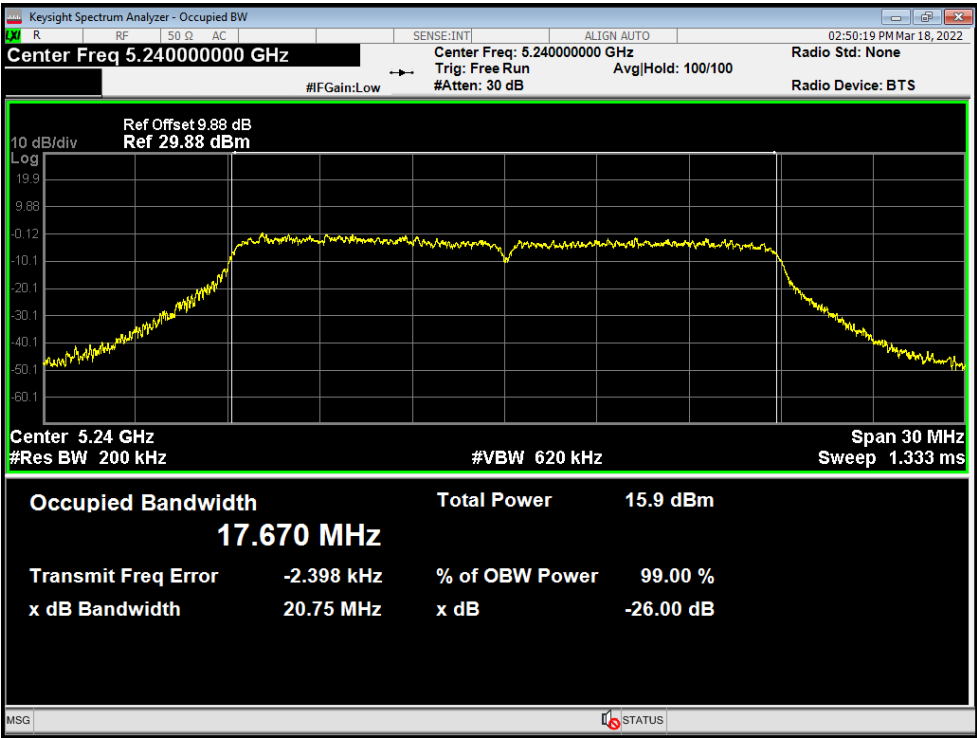
OBW NVNT n20 5180MHz Ant1



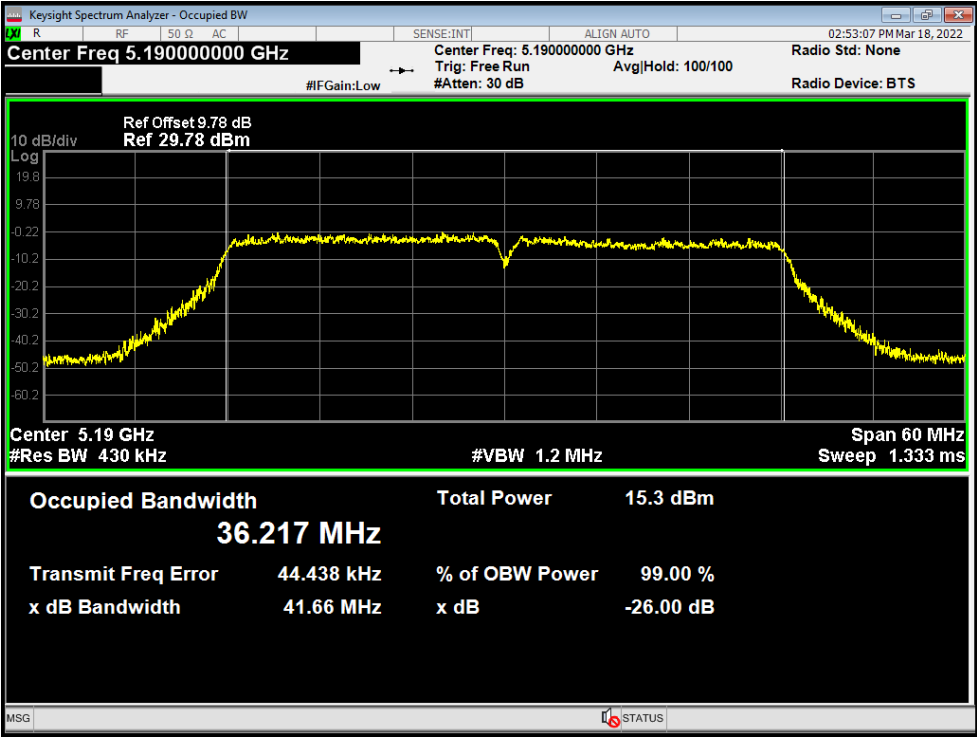
OBW NVNT n20 5220MHz Ant1



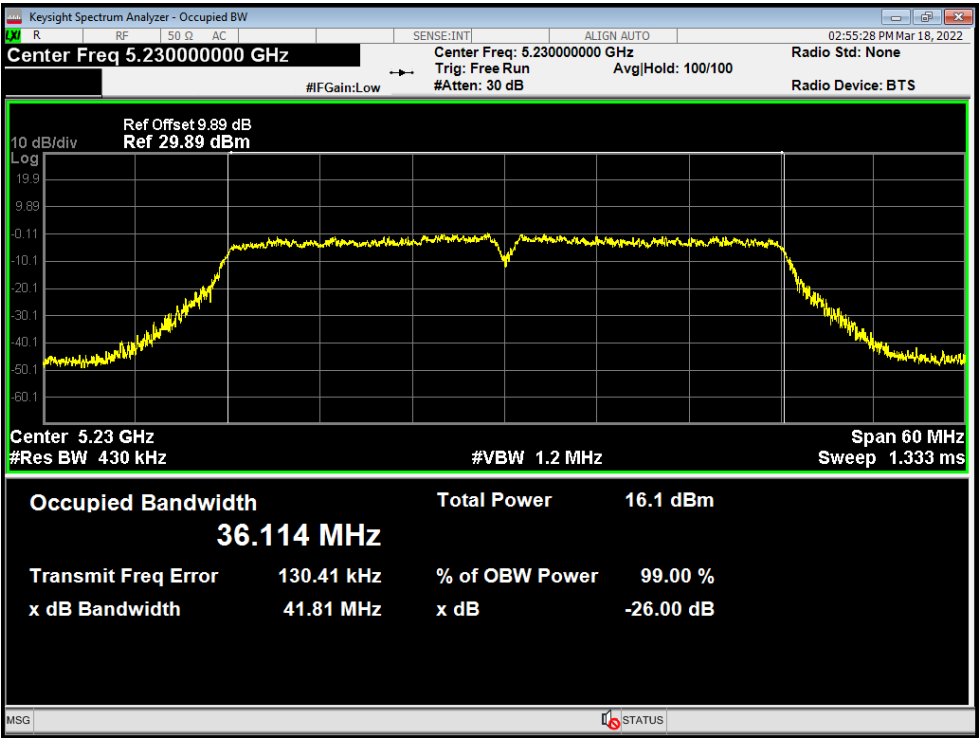
OBW NVNT n20 5240MHz Ant1



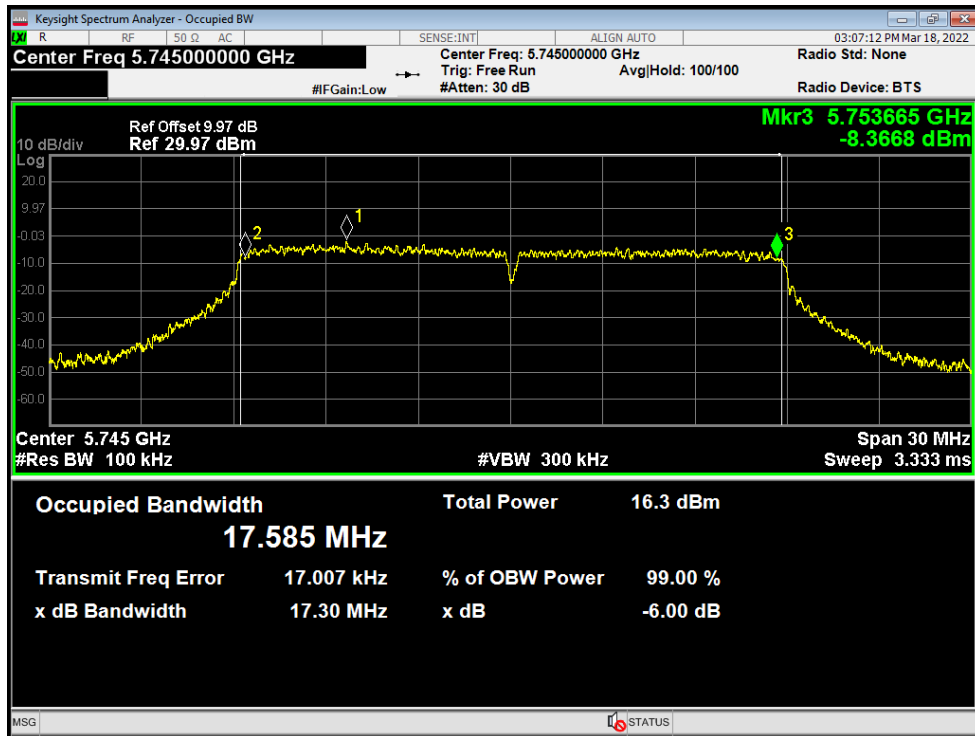
OBW NVNT n40 5190MHz Ant1



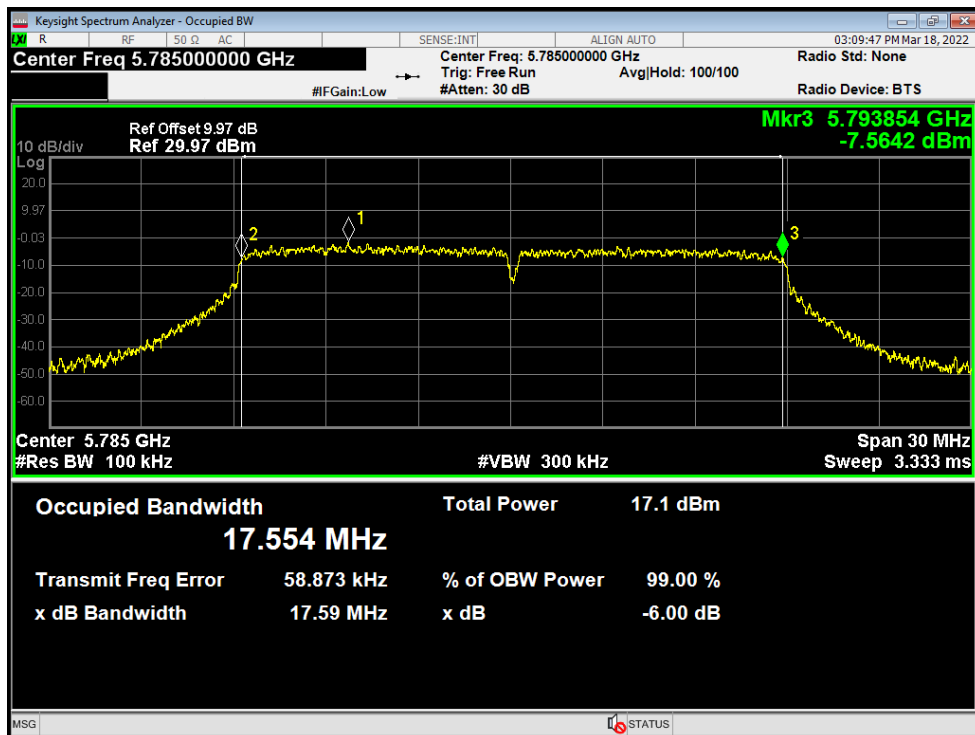
OBW NVNT n40 5230MHz Ant1



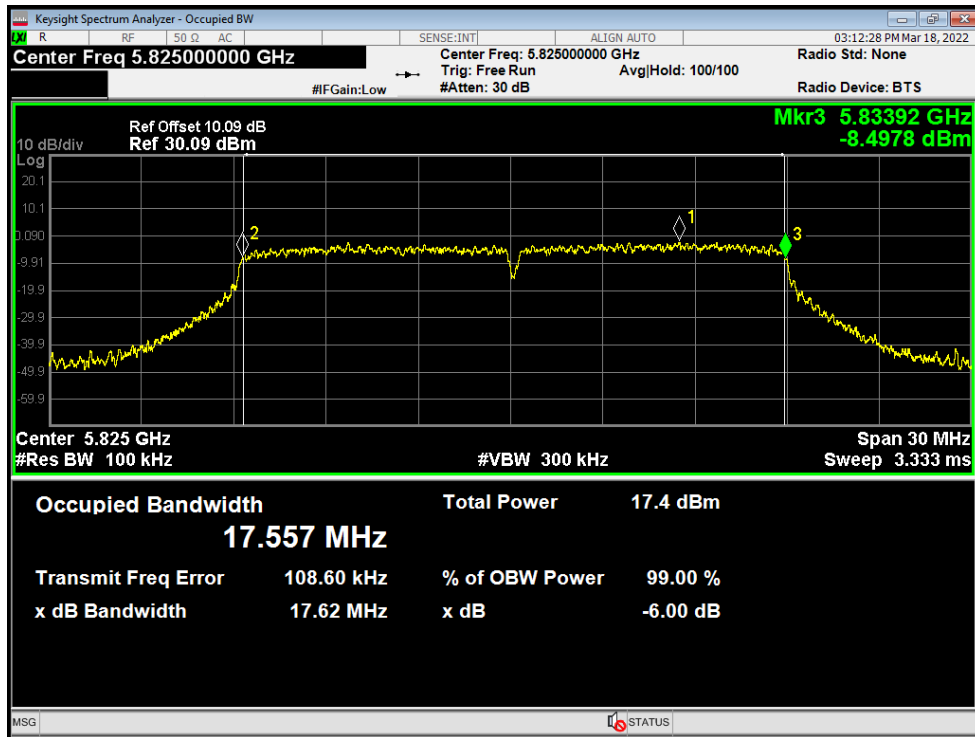
-6dB Bandwidth NVNT a 5745MHz Ant1



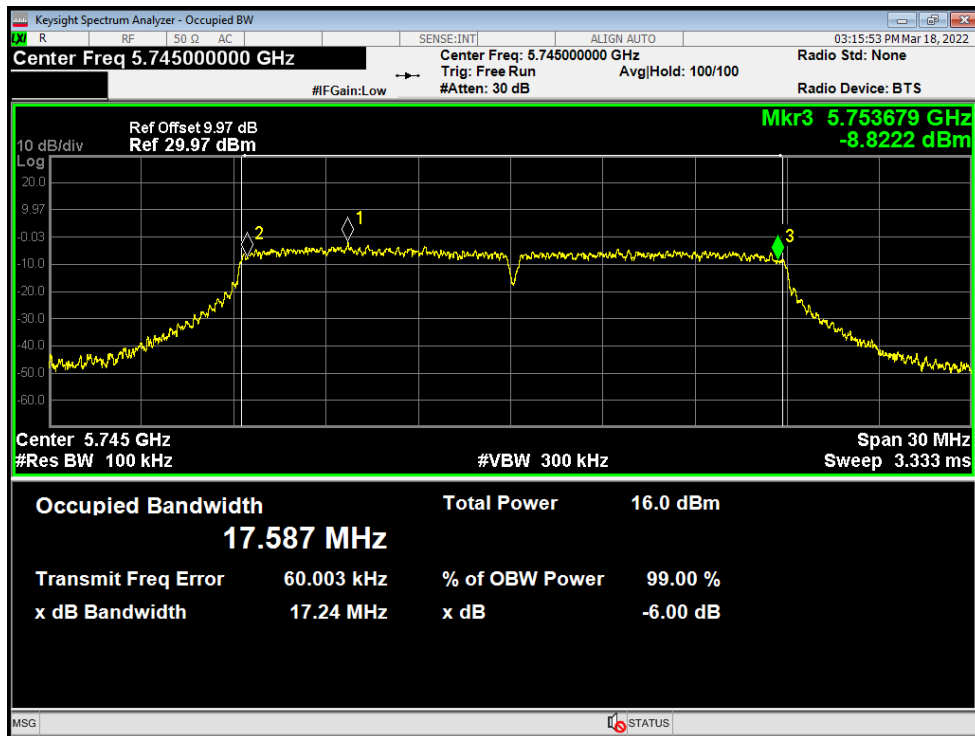
-6dB Bandwidth NVNT a 5785MHz Ant1



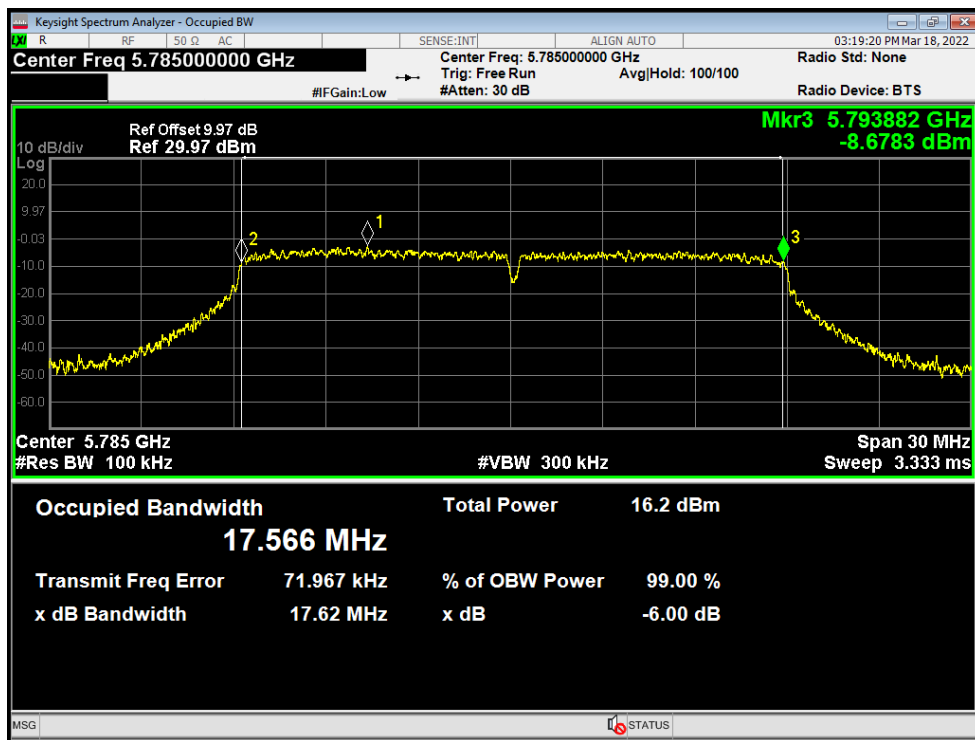
-6dB Bandwidth NVNT a 5825MHz Ant1



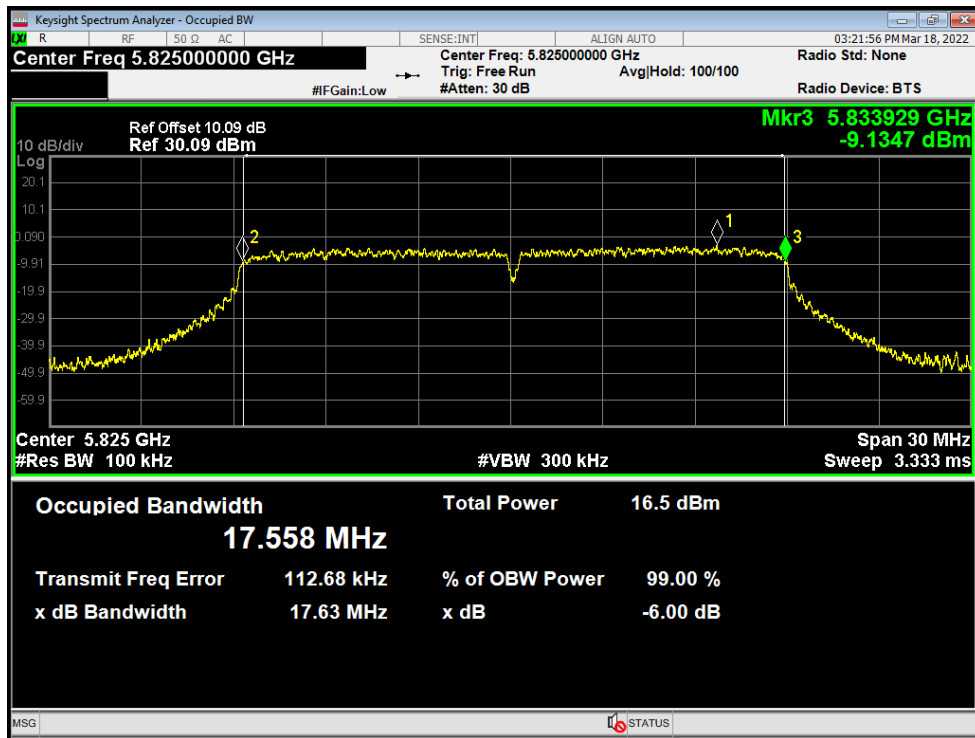
-6dB Bandwidth NVNT n20 5745MHz Ant1



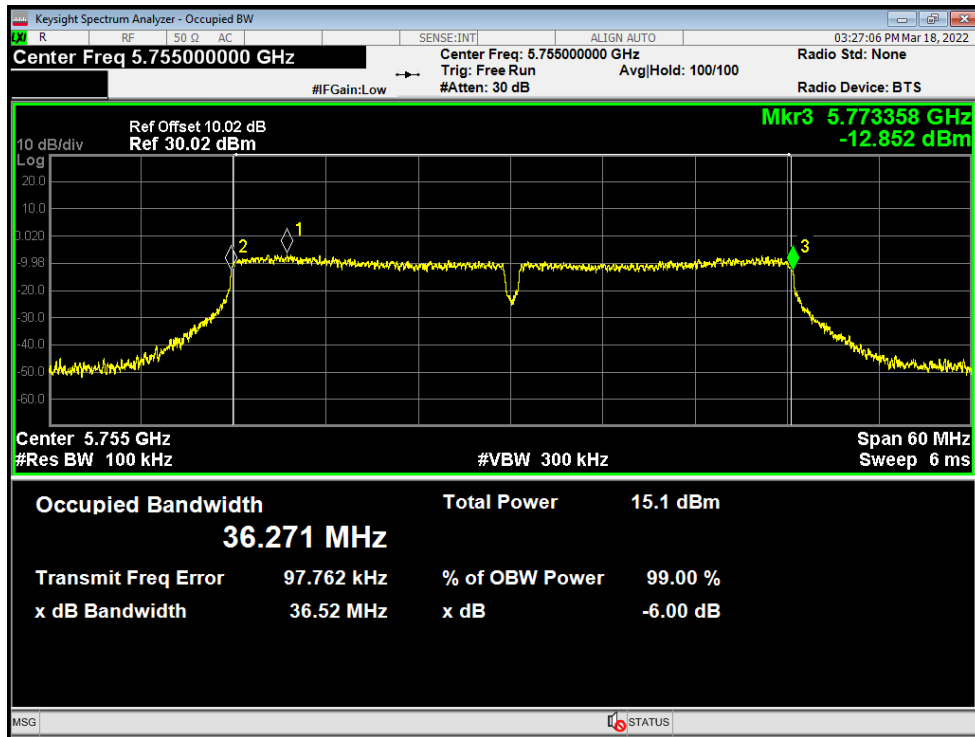
-6dB Bandwidth NVNT n20 5785MHz Ant1



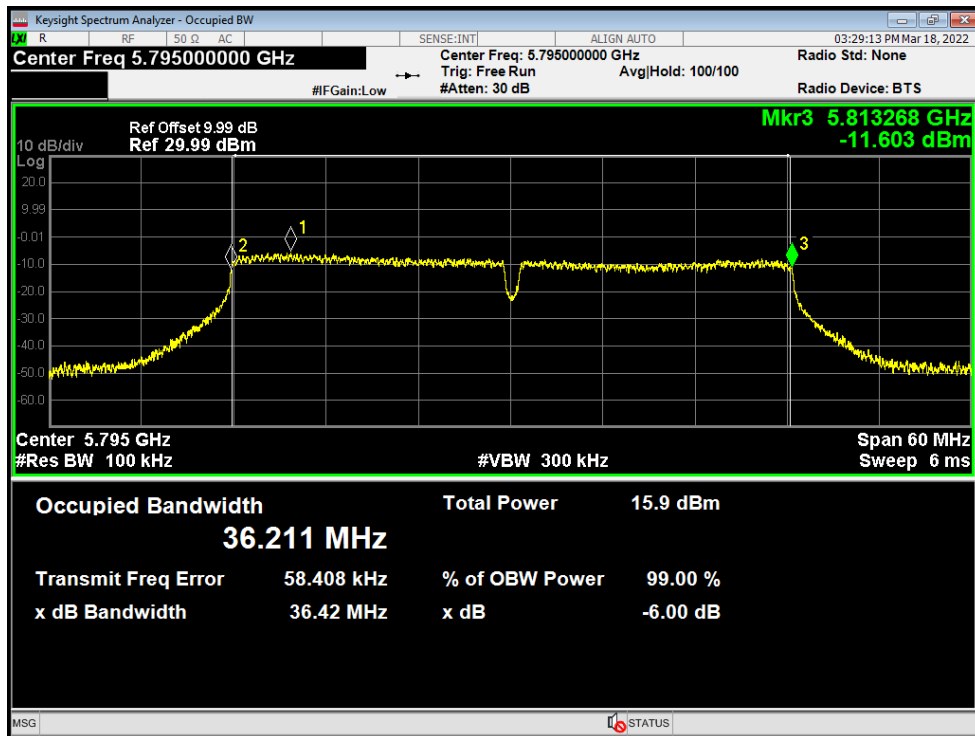
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

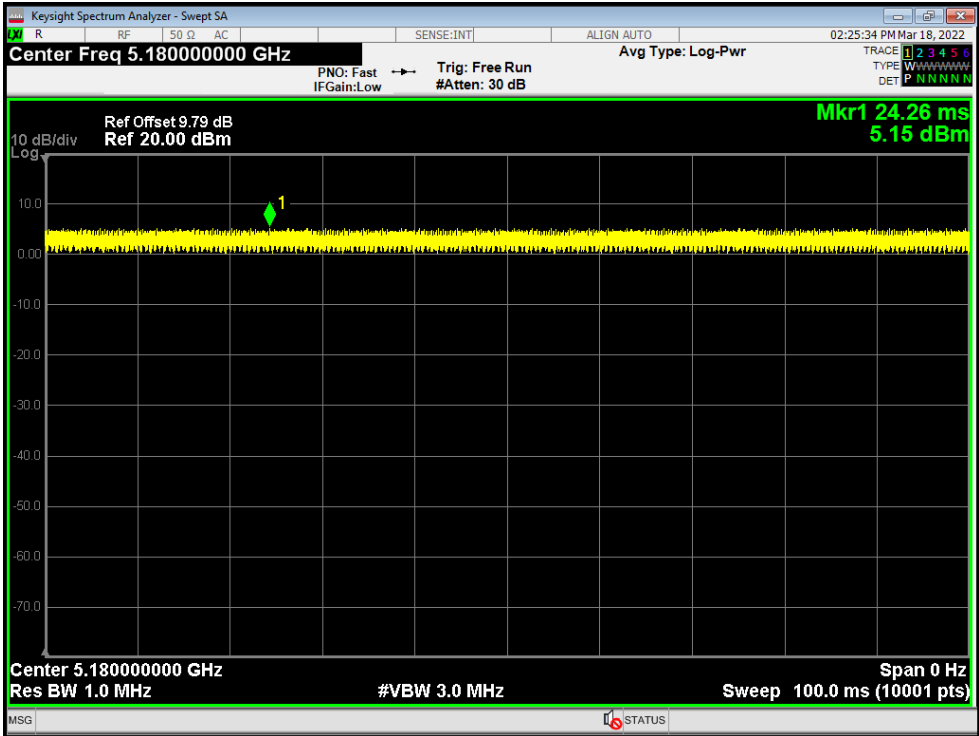


Duty Cycle

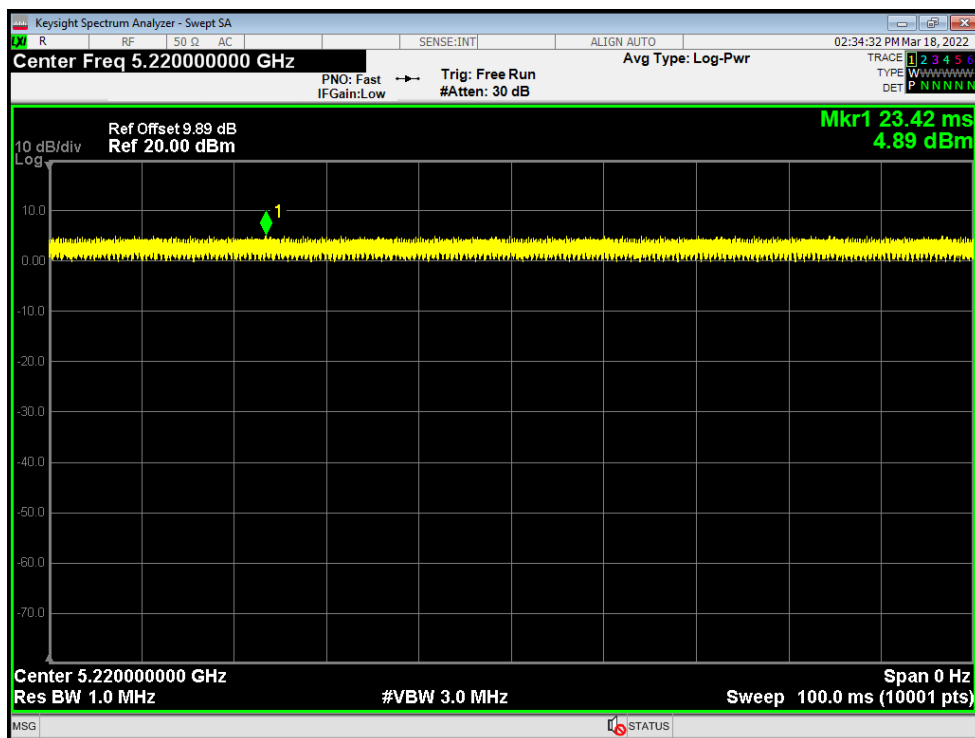
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5220	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5220	Ant1	100	0
NVNT	n20	5240	Ant1	100	0
NVNT	n40	5190	Ant1	100	0
NVNT	n40	5230	Ant1	100	0

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	n20	5745	Ant1	100	0
NVNT	n20	5785	Ant1	100	0
NVNT	n20	5825	Ant1	100	0
NVNT	n40	5755	Ant1	100	0
NVNT	n40	5795	Ant1	100	0

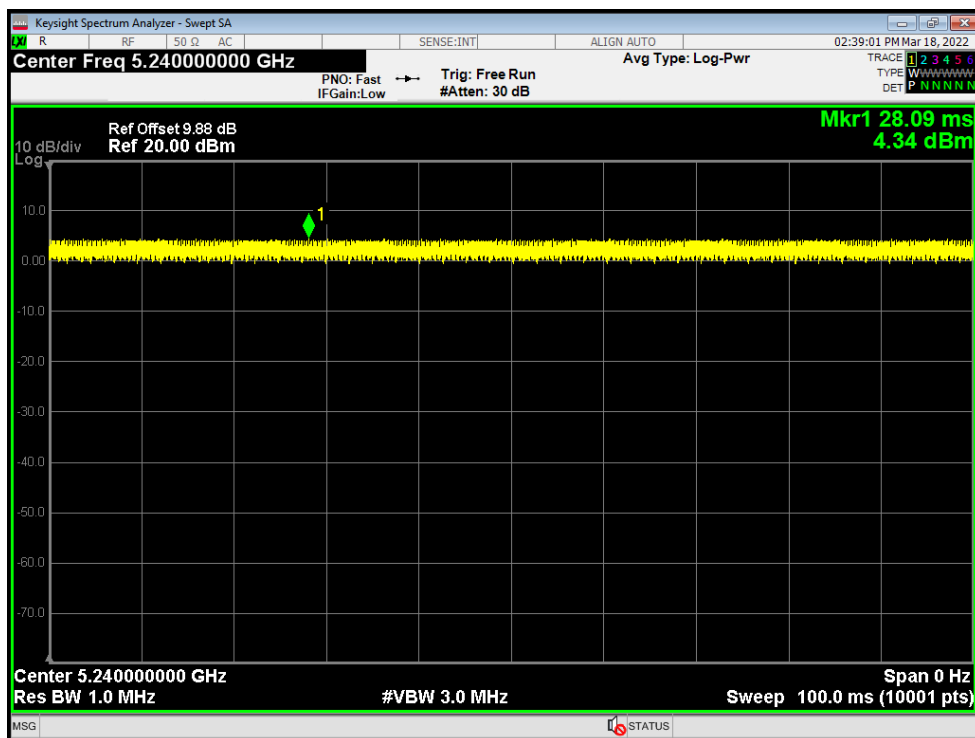
Duty Cycle NVNT a 5180MHz Ant1



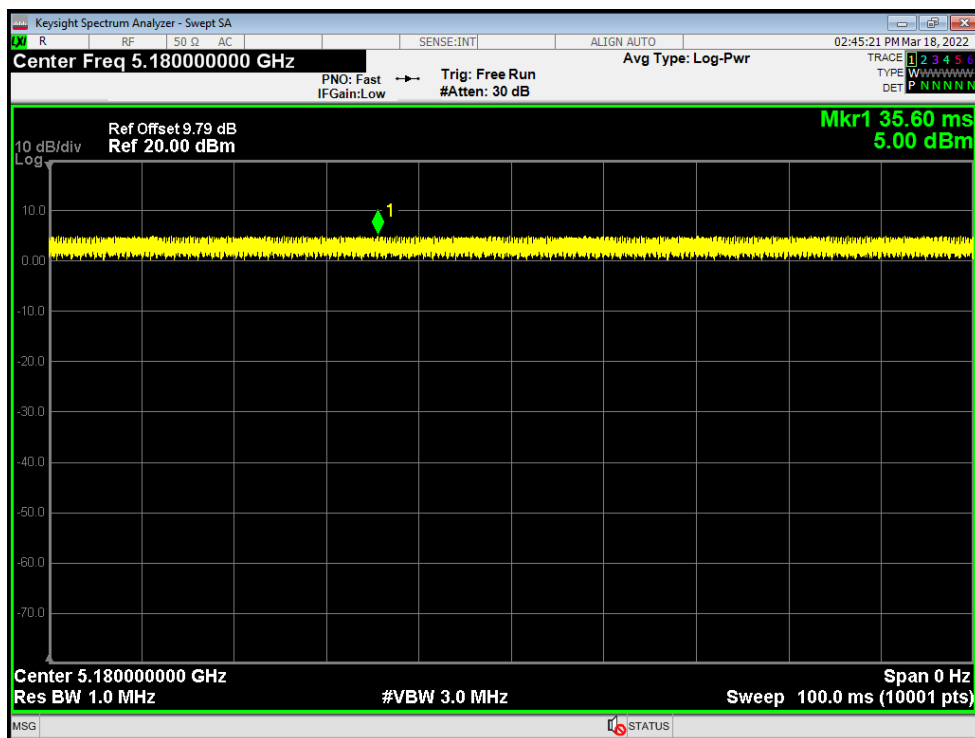
Duty Cycle NVNT a 5220MHz Ant1



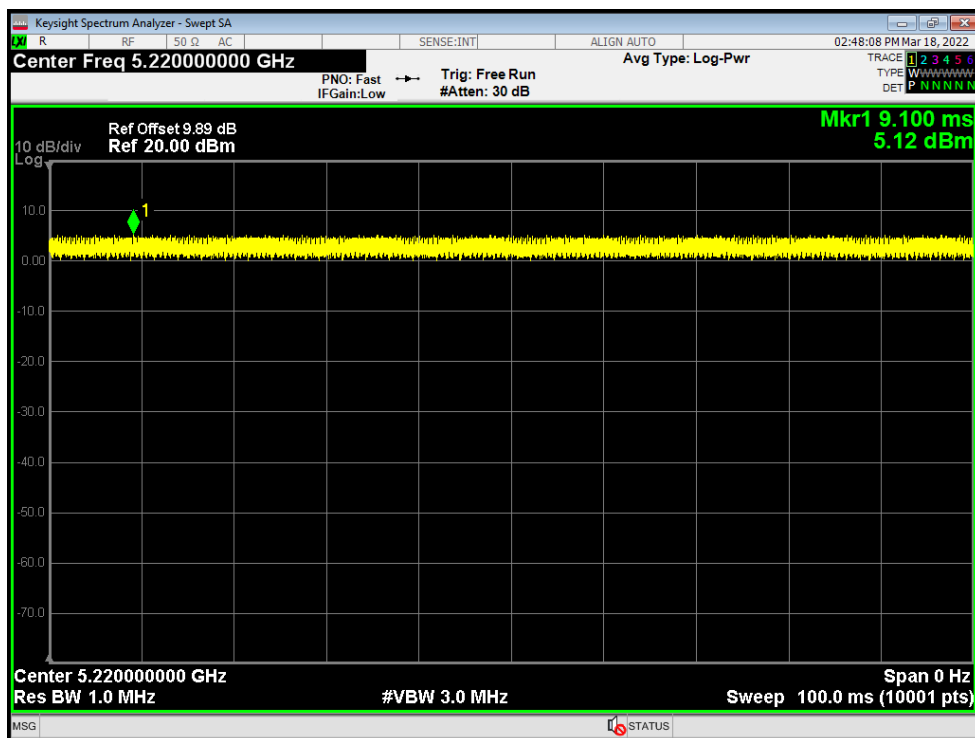
Duty Cycle NVNT a 5240MHz Ant1



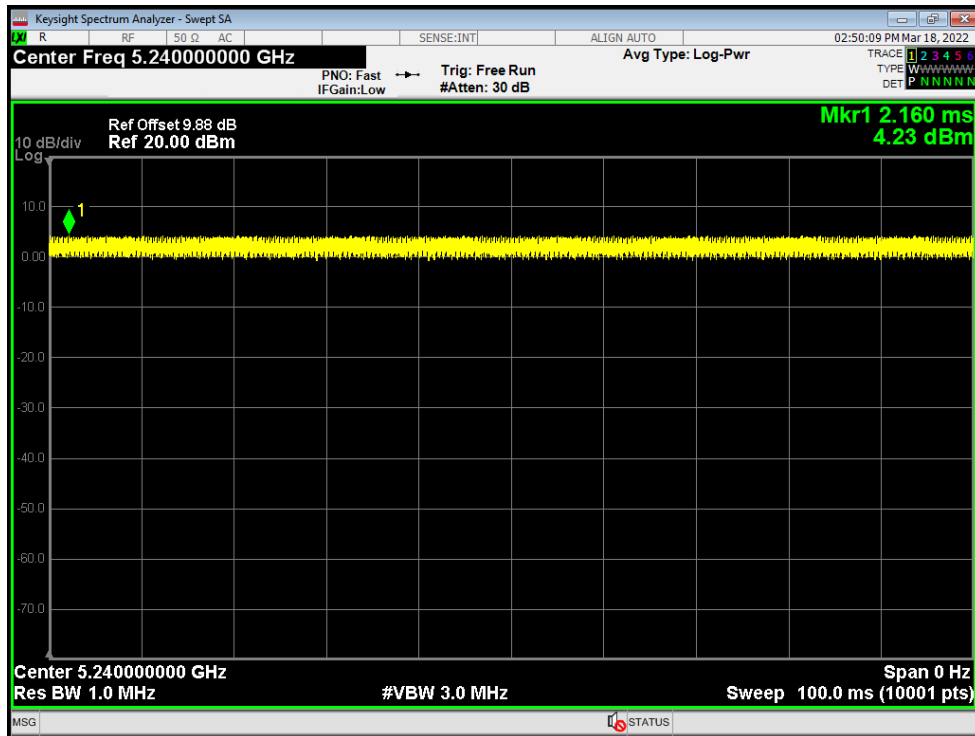
Duty Cycle NVNT n20 5180MHz Ant1



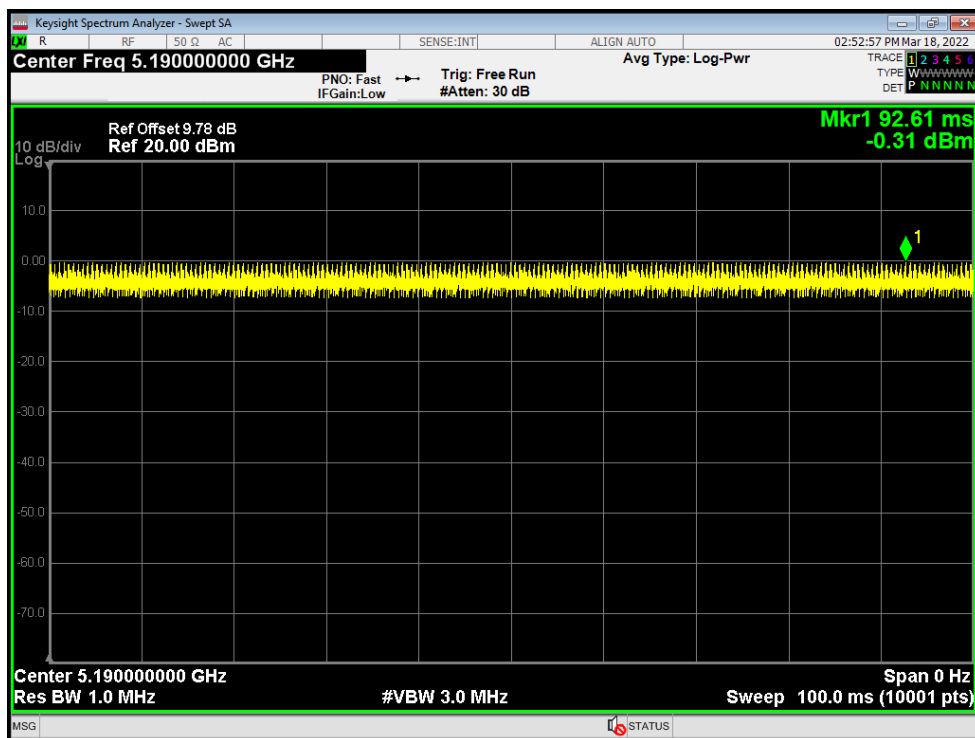
Duty Cycle NVNT n20 5220MHz Ant1



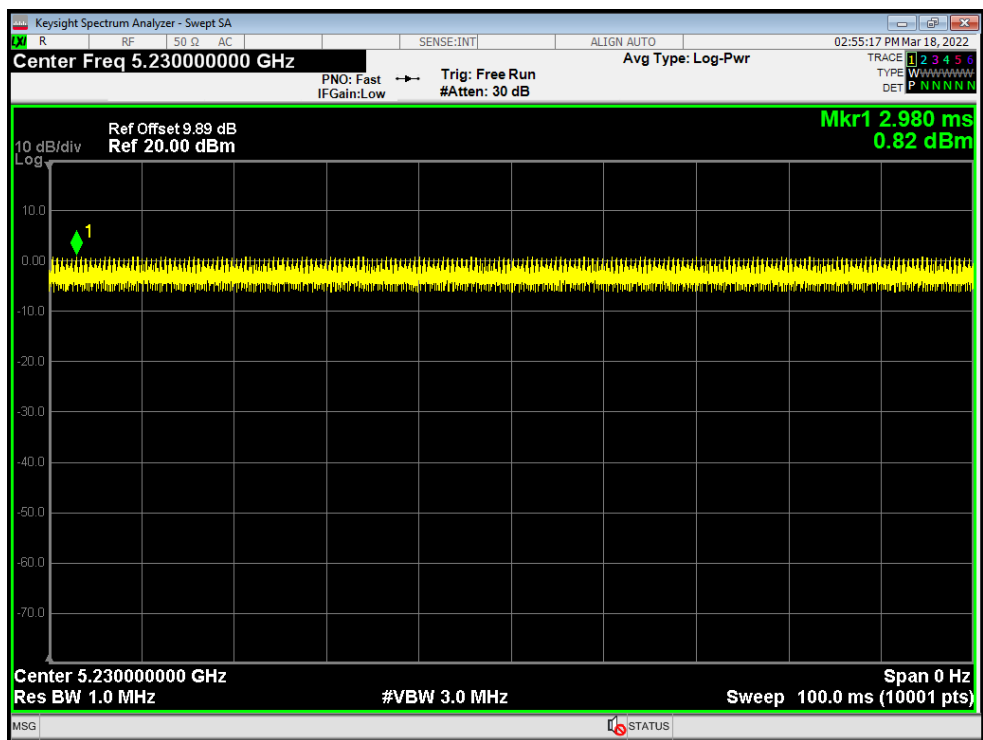
Duty Cycle NVNT n20 5240MHz Ant1



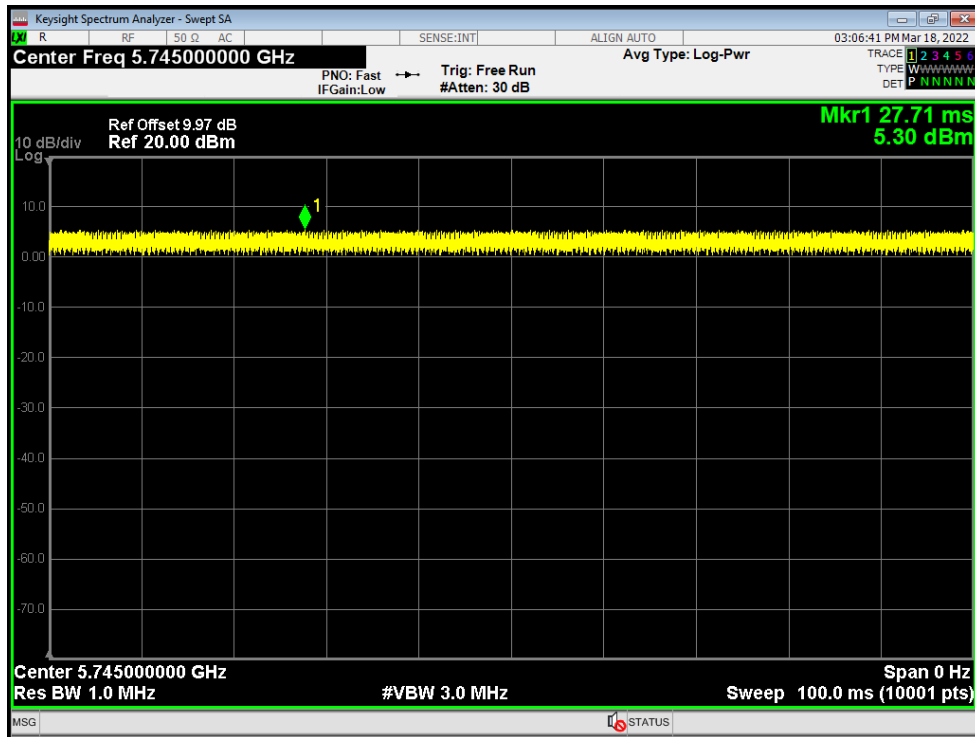
Duty Cycle NVNT n40 5190MHz Ant1



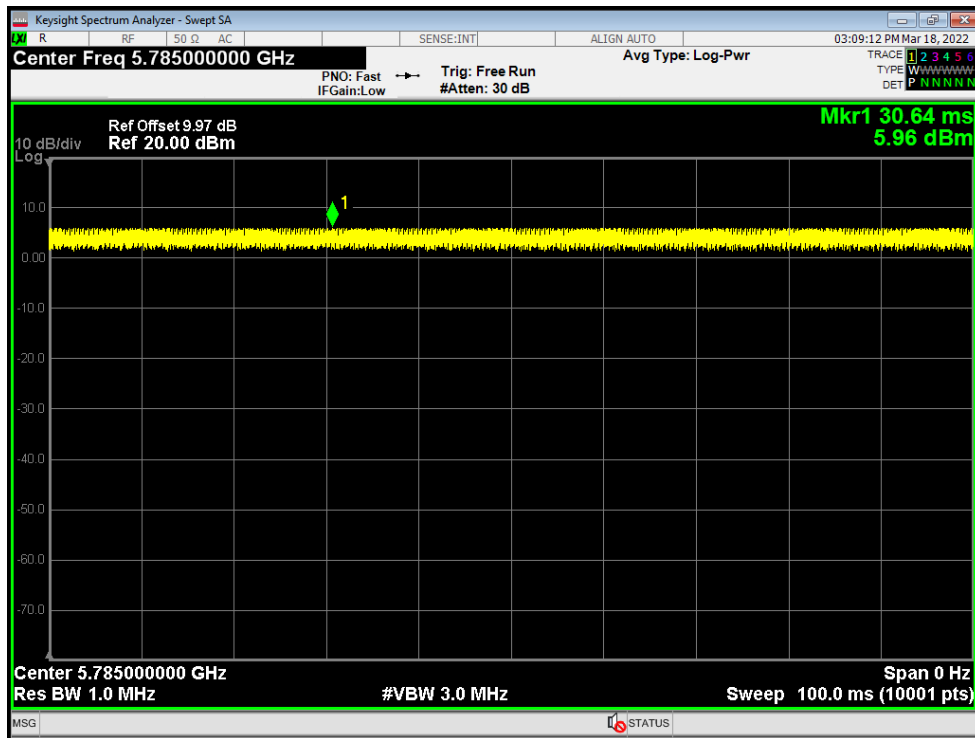
Duty Cycle NVNT n40 5230MHz Ant1



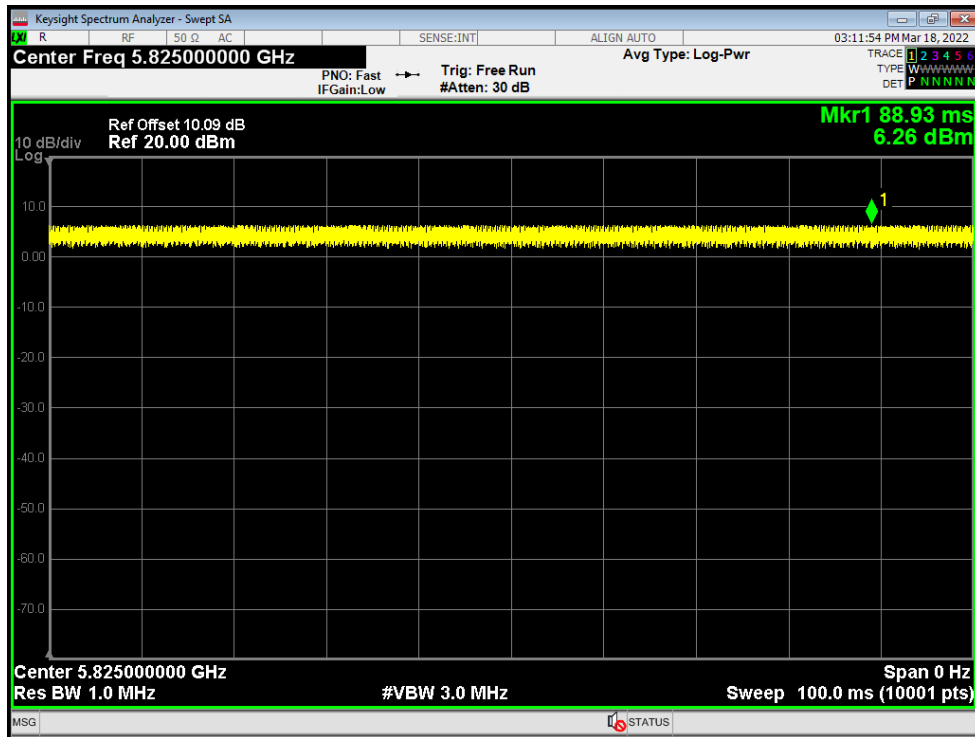
Duty Cycle NVNT a 5745MHz Ant1



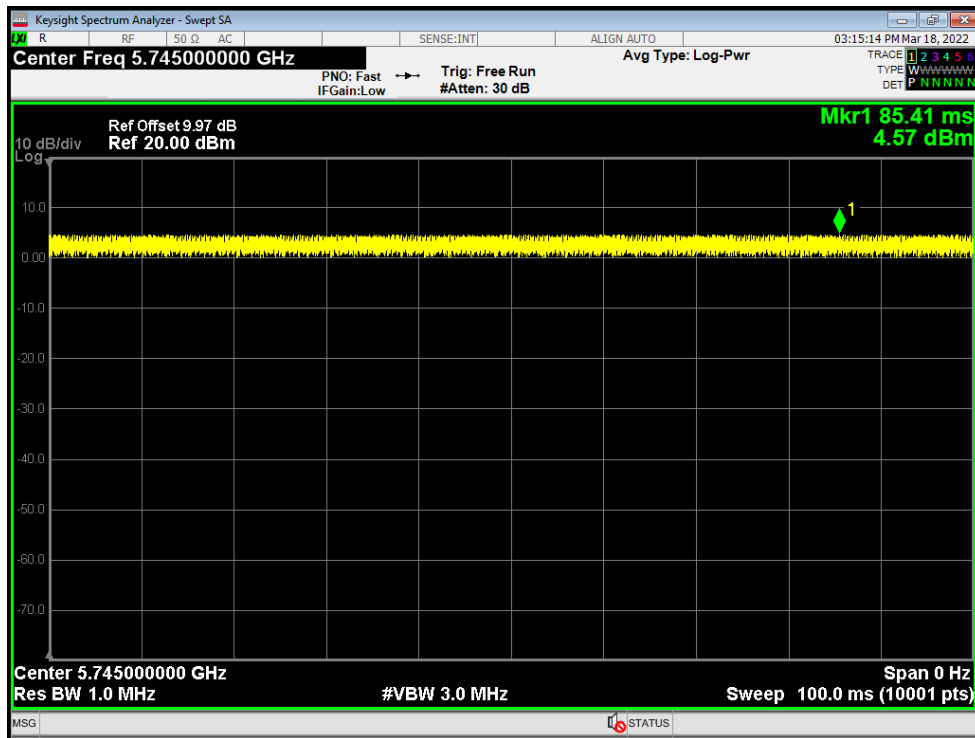
Duty Cycle NVNT a 5785MHz Ant1



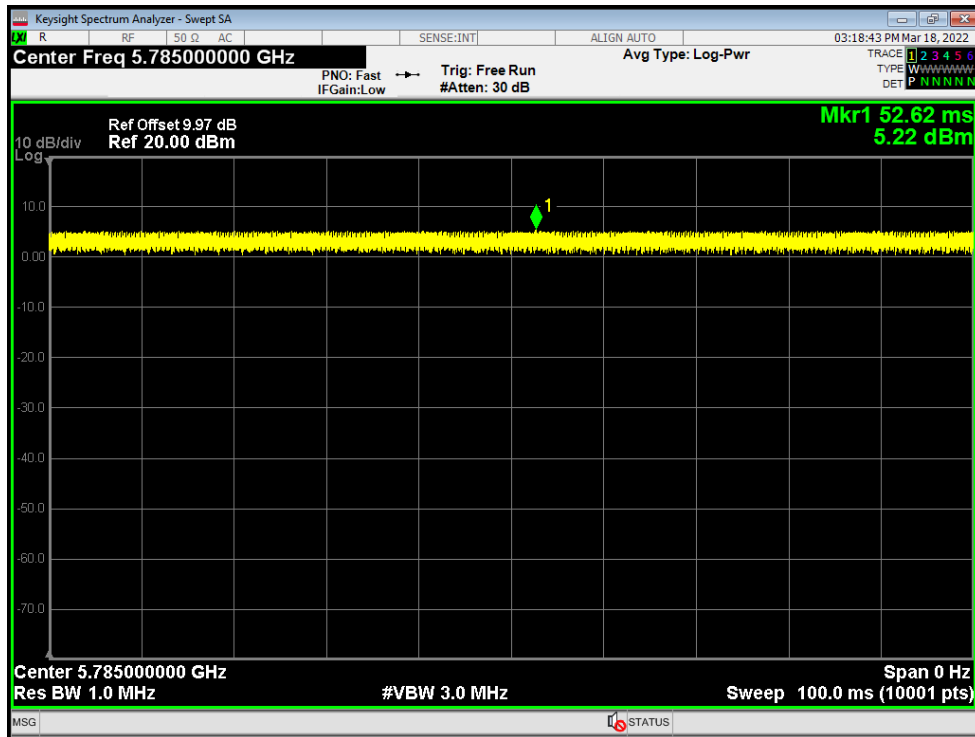
Duty Cycle NVNT a 5825MHz Ant1



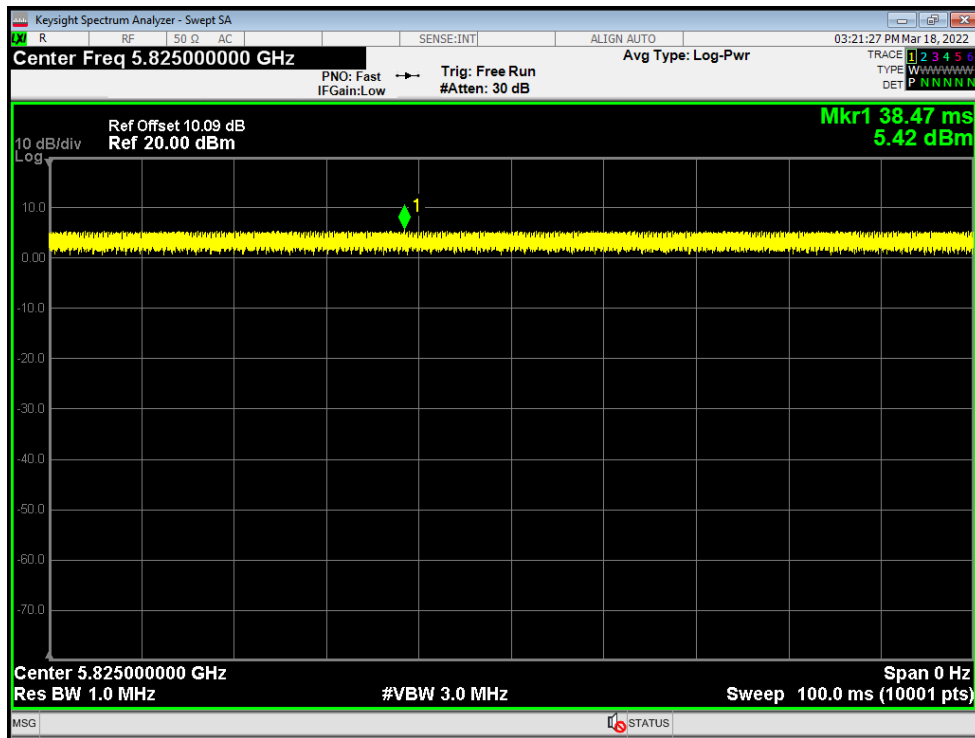
Duty Cycle NVNT n20 5745MHz Ant1



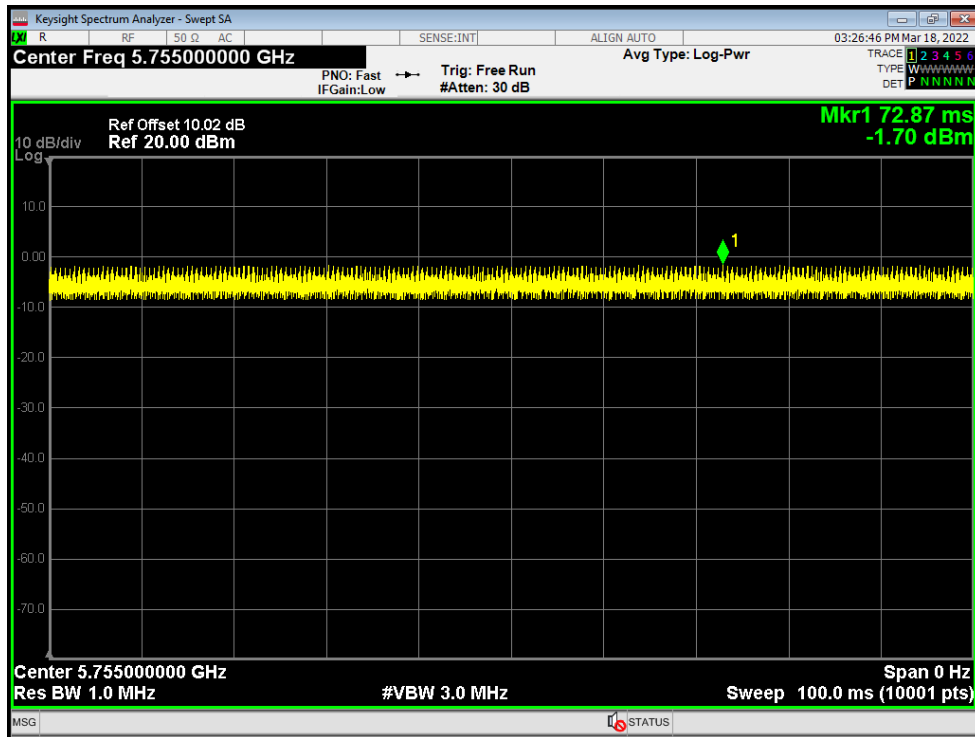
Duty Cycle NVNT n20 5785MHz Ant1



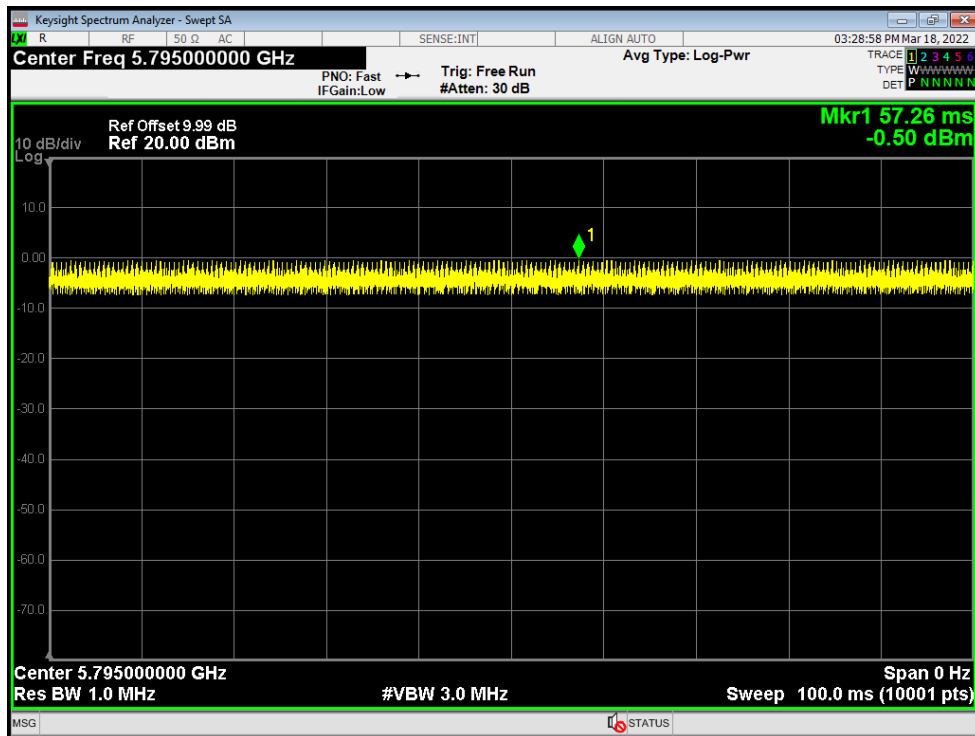
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



***** END OF REPORT *****