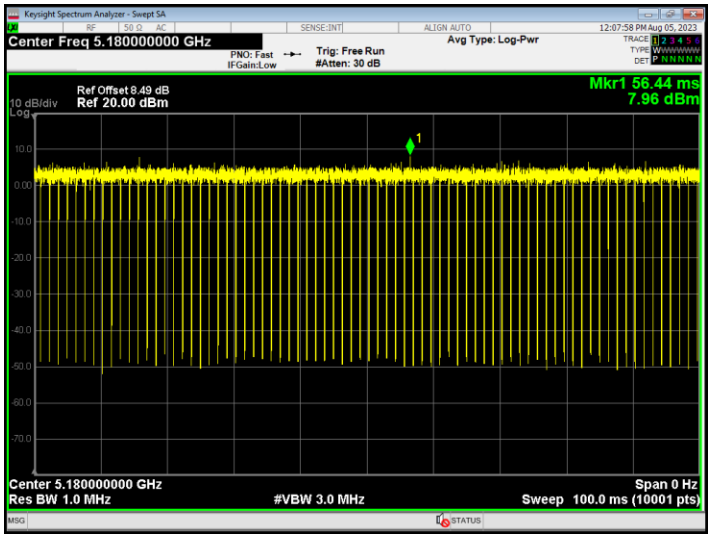
ANNEX 2
FCC Part 15C Test Report
FCC ID: 2BCCW-PF4LV100

Applicant:	Shenzhen Qianfeng Technology Co., Ltd.
Address:	2nd Floor, Building 2, Fuxingda Industrial Park, Lanzhubei Road, Pingshan District, Shenzhen, China
Manufacturer:	Shenzhen Qianfeng Technology Co., Ltd.
Address:	2nd Floor, Building 2, Fuxingda Industrial Park, Lanzhubei Road, Pingshan District, Shenzhen, China
EUT:	Smart Pet Feeder
Trade Mark:	N/A
Model Number:	PF4LV100
Date of Receipt:	Jul. 23, 2023
Test Date:	Jul. 23, 2023 - Aug. 11, 2023
Date of Report:	Aug. 11, 2023
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 E 15.407 ANSI C63.10:2013
Test Result:	Pass

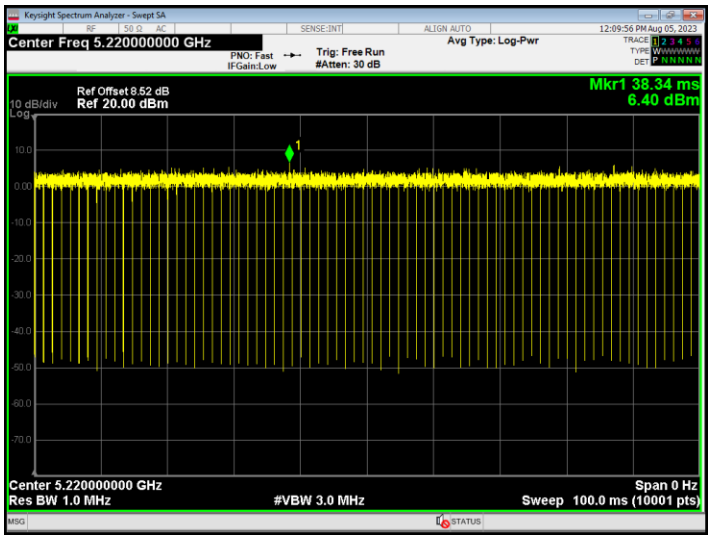
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	97.61	0.11
NVNT	a	5220	Ant1	97.57	0.11
NVNT	a	5240	Ant1	97.59	0.11
NVNT	n20	5180	Ant1	95.41	0.2
NVNT	n20	5220	Ant1	95.41	0.2
NVNT	n20	5240	Ant1	95.4	0.2

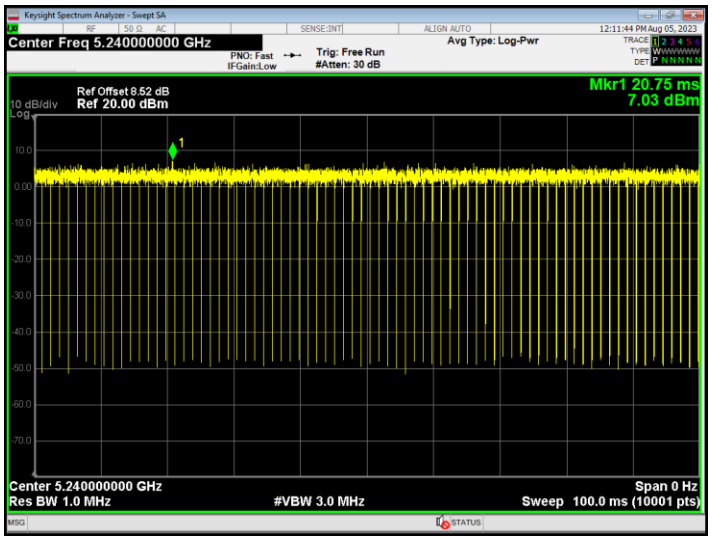
Duty Cycle NVNT a 5180MHz Ant1



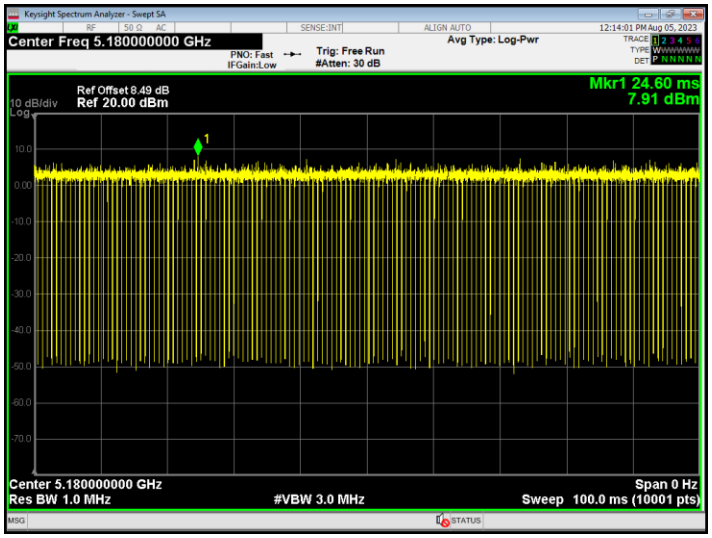
Duty Cycle NVNT a 5220MHz Ant1



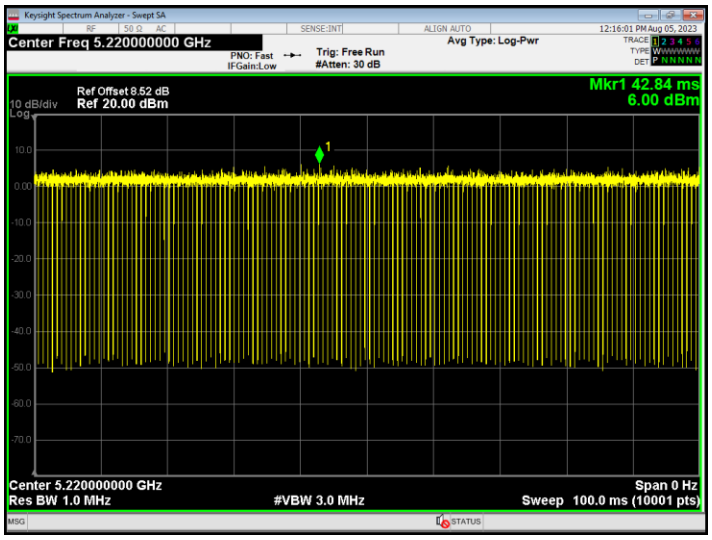
Duty Cycle NVNT a 5240MHz Ant1



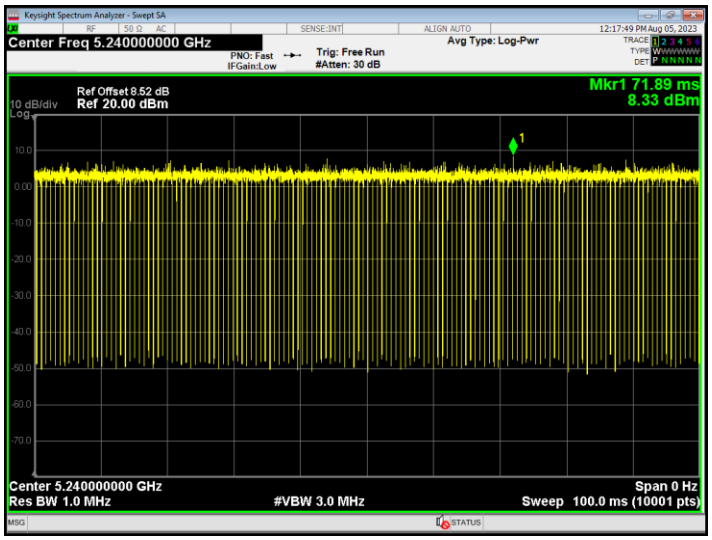
Duty Cycle NVNT n20 5180MHz Ant1



Duty Cycle NVNT n20 5220MHz Ant1



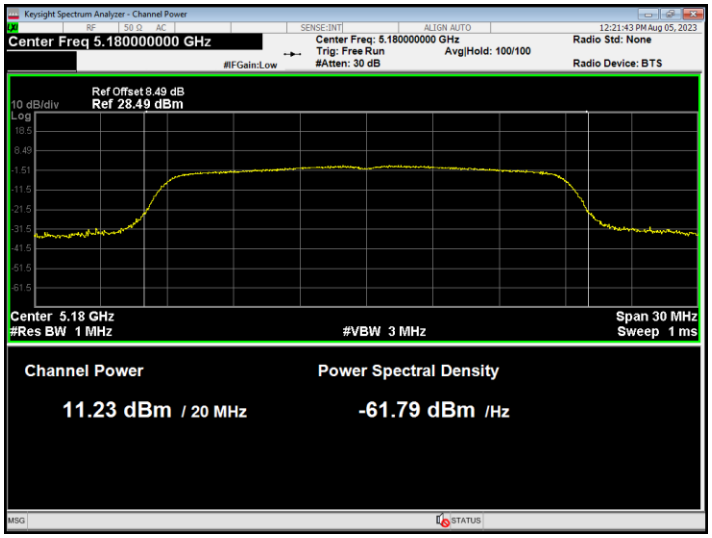
Duty Cycle NVNT n20 5240MHz Ant1



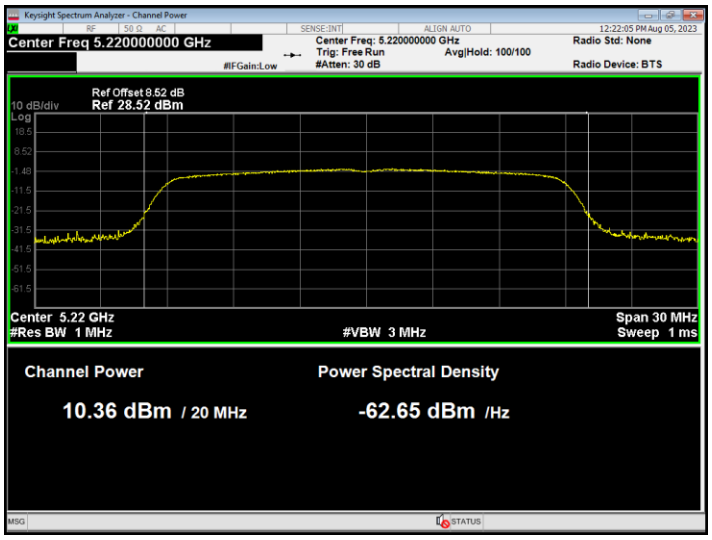
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.225	0.11	11.335	24	Pass
NVNT	a	5220	Ant1	10.358	0.11	10.468	24	Pass
NVNT	a	5240	Ant1	11.32	0.11	11.43	24	Pass
NVNT	n20	5180	Ant1	10.89	0.2	11.09	24	Pass
NVNT	n20	5220	Ant1	10.252	0.2	10.452	24	Pass
NVNT	n20	5240	Ant1	10.057	0.2	10.257	24	Pass

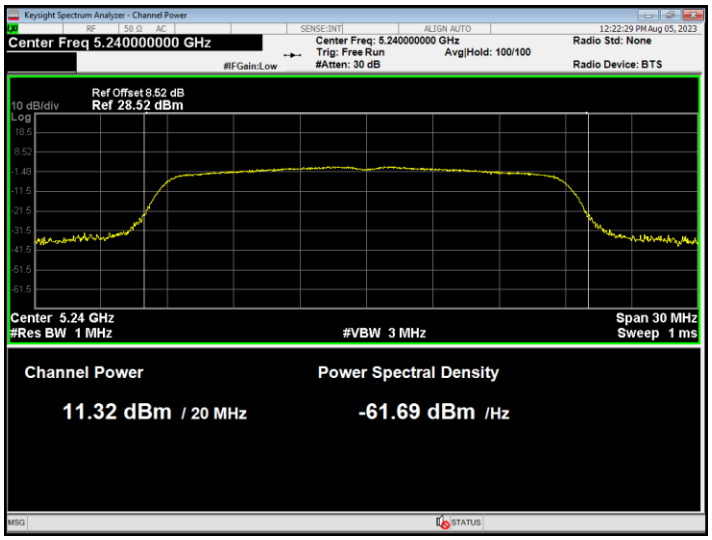
Power NVNT a 5180MHz Ant1



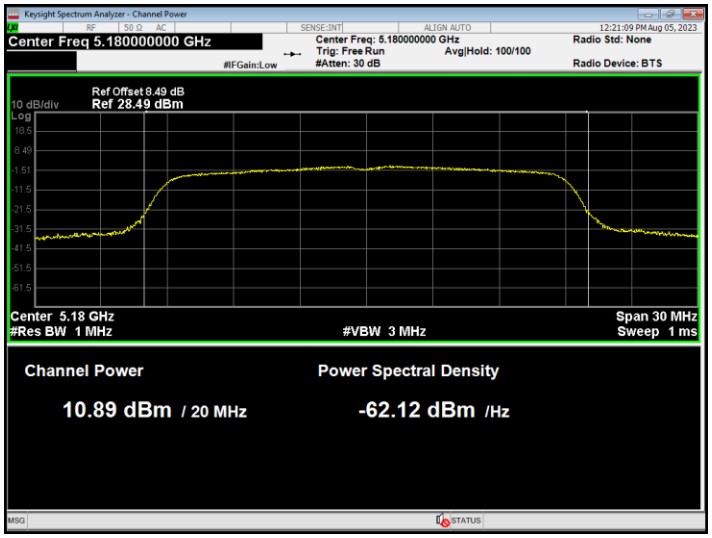
Power NVNT a 5220MHz Ant1



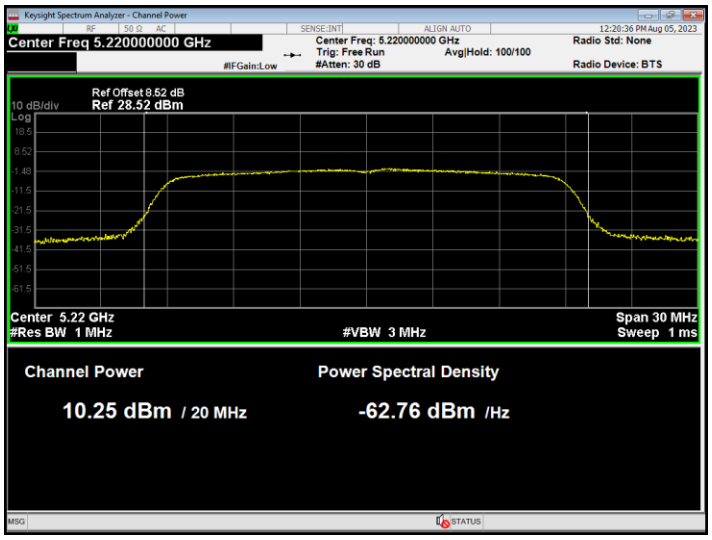
Power NVNT a 5240MHz Ant1



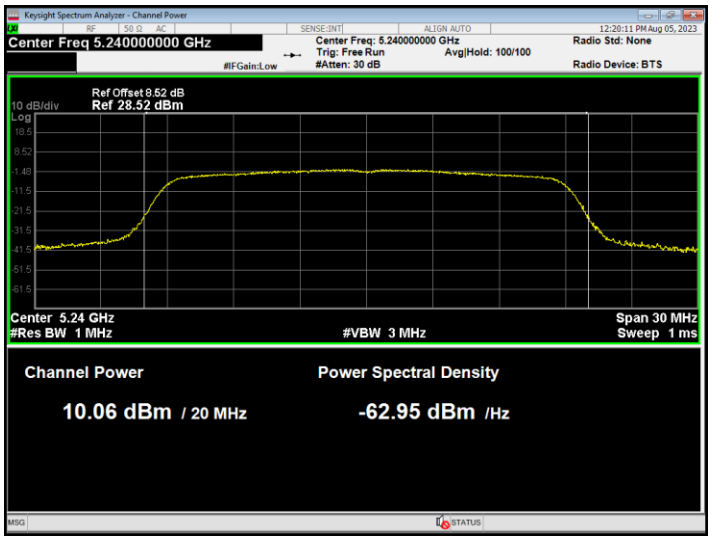
Power NVNT n20 5180MHz Ant1



Power NVNT n20 5220MHz Ant1



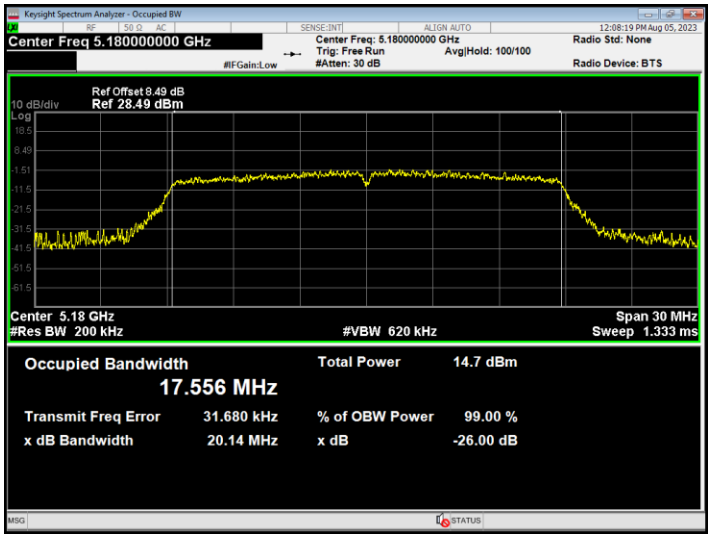
Power NVNT n20 5240MHz Ant1



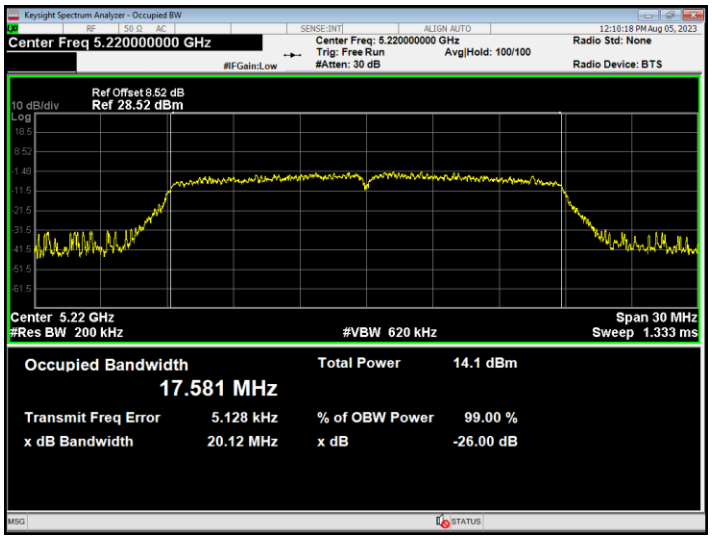
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26dB (MHz)	99% OBW (MHz)
NVNT	a	5180	Ant1	20.14	17.56
NVNT	a	5220	Ant1	20.12	17.58
NVNT	a	5240	Ant1	20.11	17.53
NVNT	n20	5180	Ant1	19.94	17.55
NVNT	n20	5220	Ant1	20.15	17.56
NVNT	n20	5240	Ant1	19.84	17.51

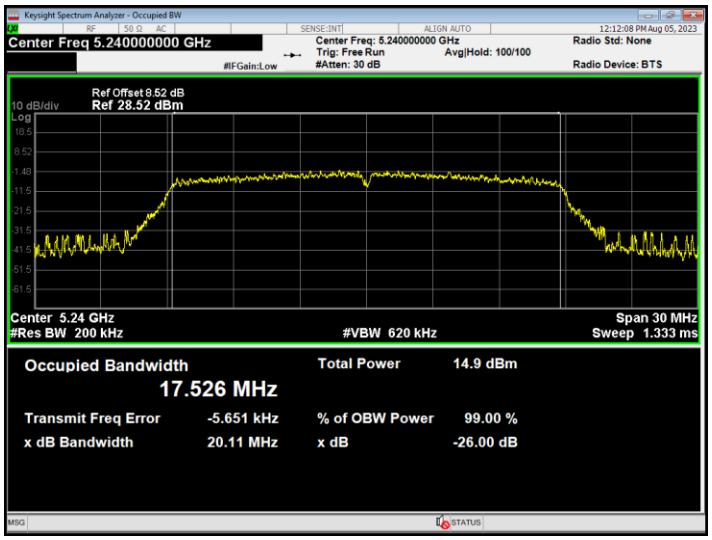
OBW NVNT a 5180MHz Ant1



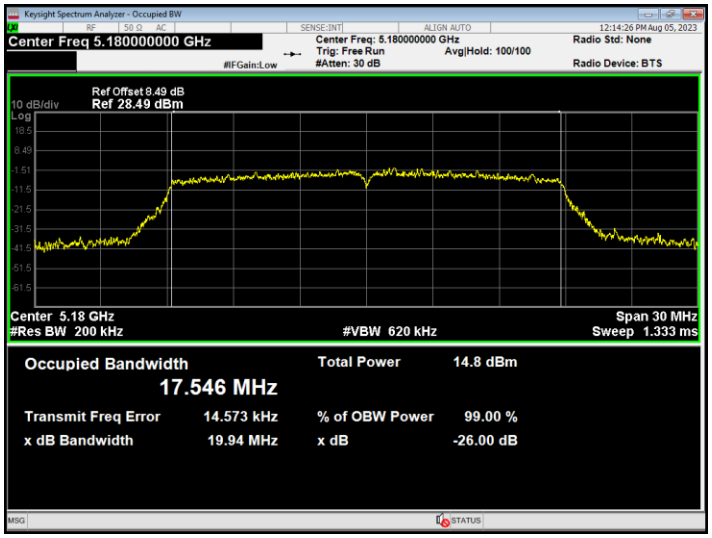
OBW NVNT a 5220MHz Ant1



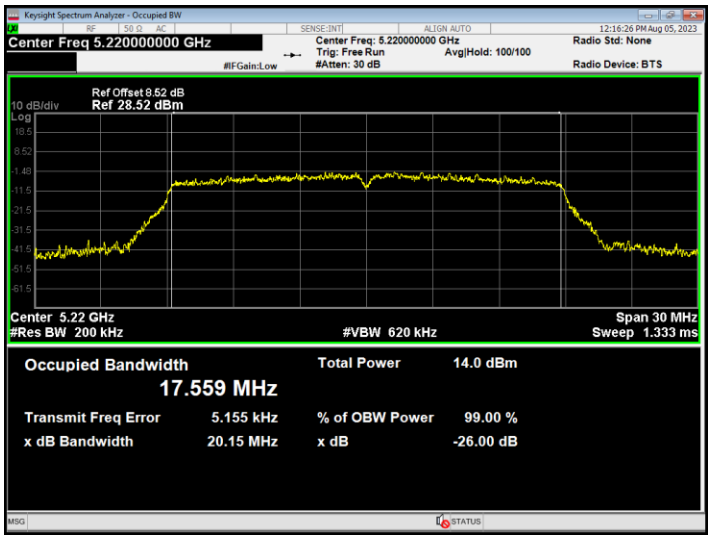
OBW NVNT a 5240MHz Ant1



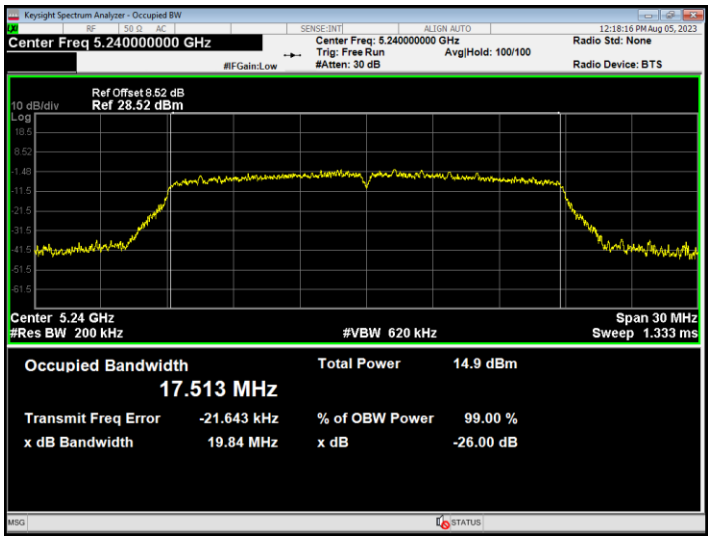
OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5220MHz Ant1



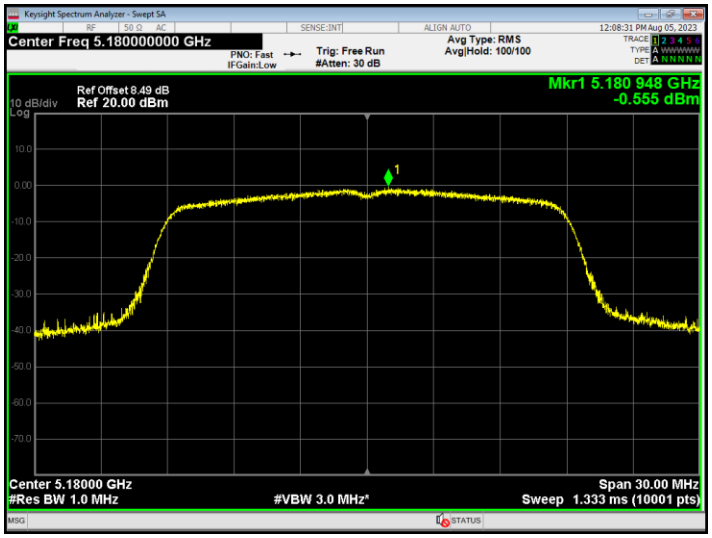
OBW NVNT n20 5240MHz Ant1



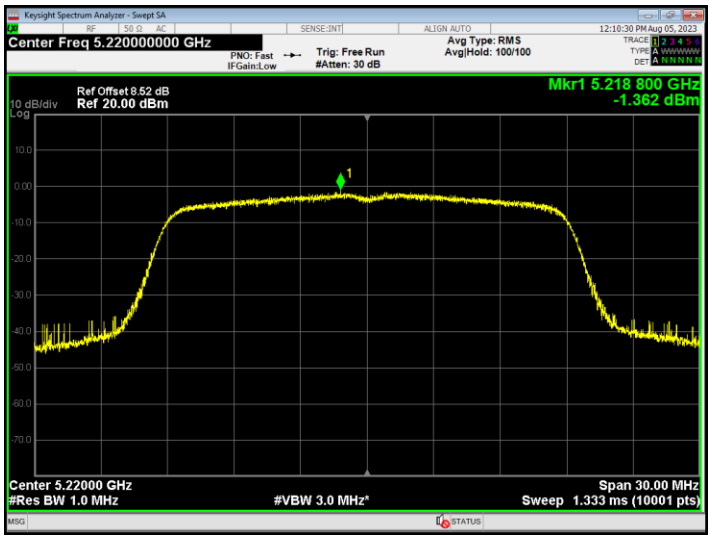
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.555	11	Pass
NVNT	a	5220	Ant1	-1.362	11	Pass
NVNT	a	5240	Ant1	-0.533	11	Pass
NVNT	n20	5180	Ant1	-0.692	11	Pass
NVNT	n20	5220	Ant1	-1.733	11	Pass
NVNT	n20	5240	Ant1	-0.414	11	Pass

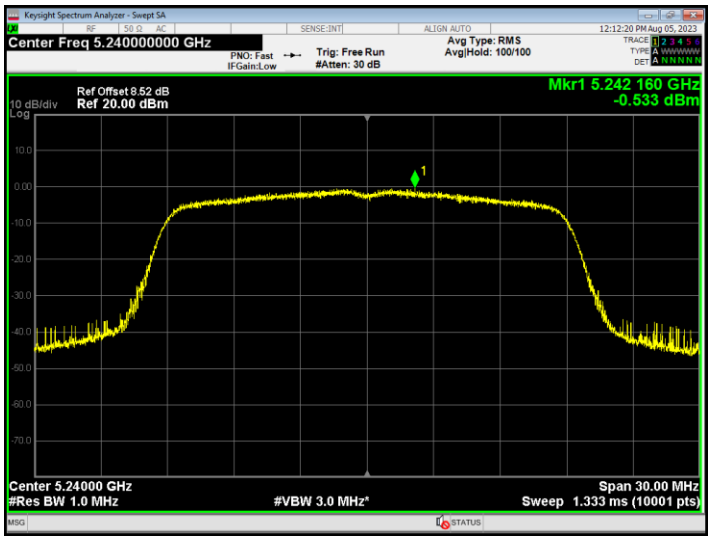
PSD NVNT a 5180MHz Ant1



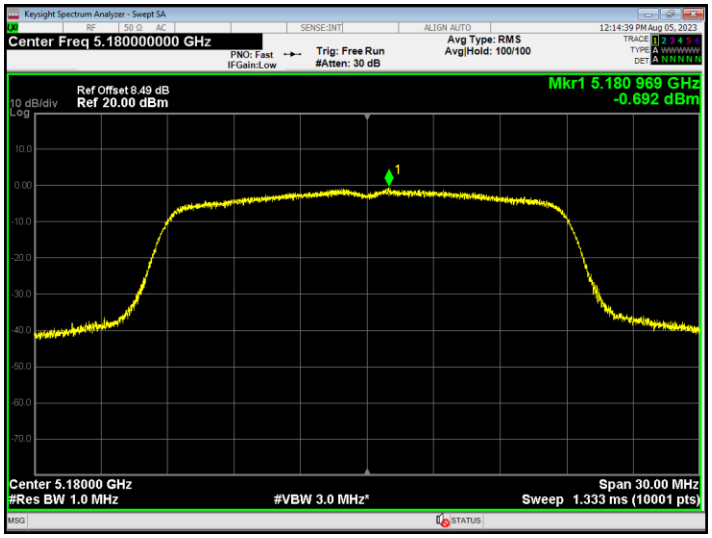
PSD NVNT a 5220MHz Ant1



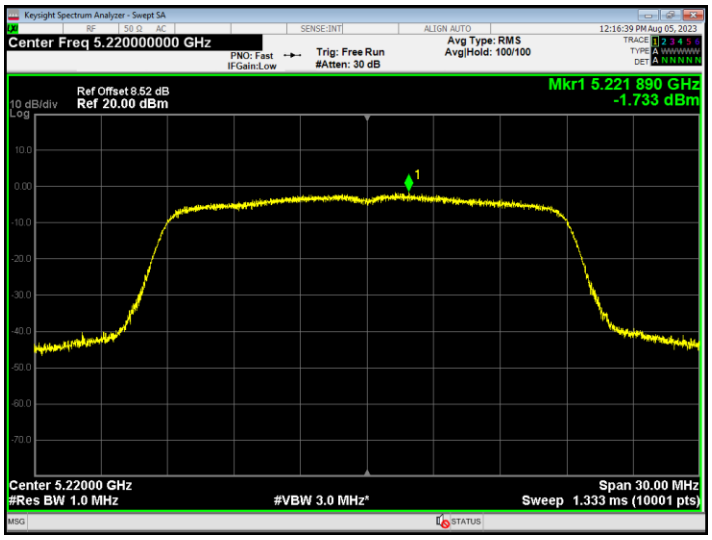
PSD NVNT a 5240MHz Ant1



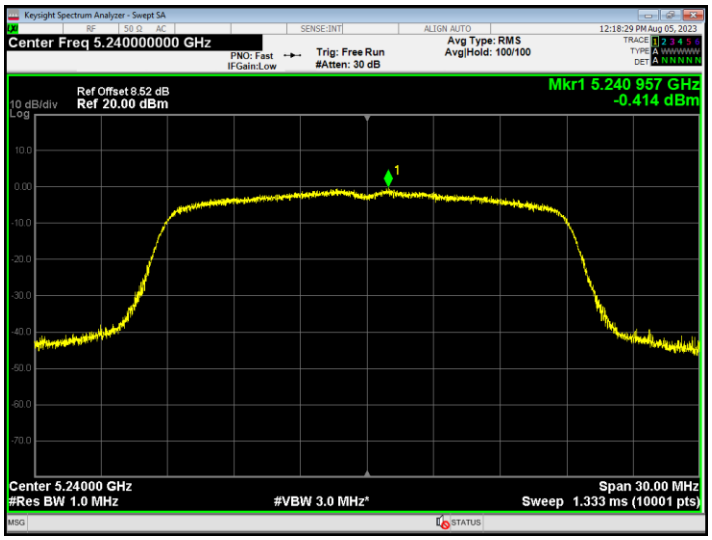
PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5220MHz Ant1



PSD NVNT n20 5240MHz Ant1

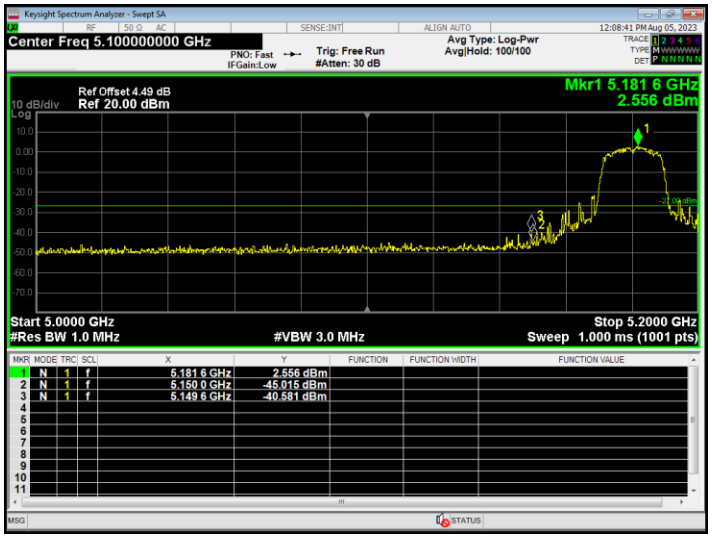


Band Edge

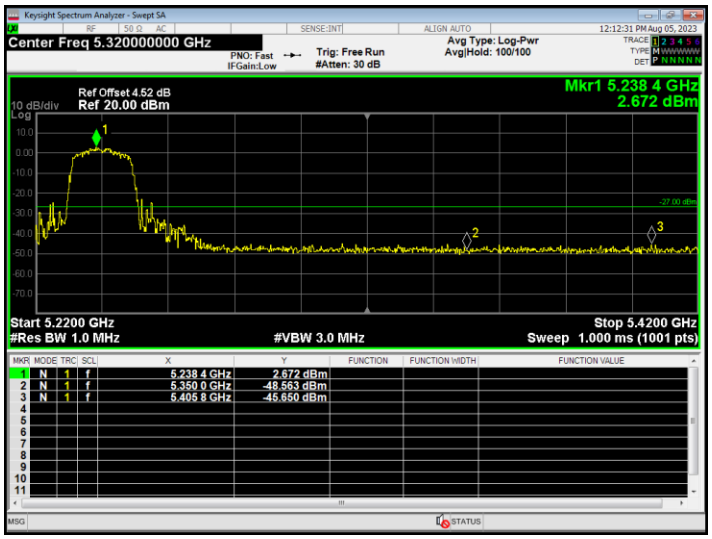
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-40.58	-27	Pass
NVNT	a	5240	Ant1	-45.64	-27	Pass
NVNT	n20	5180	Ant1	-43.73	-27	Pass
NVNT	n20	5240	Ant1	-45.46	-27	Pass

The ref offset=antenna gain + cable loss

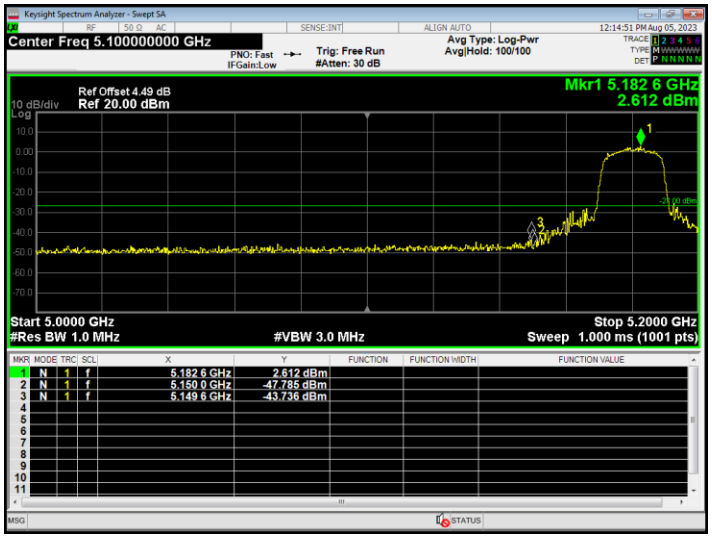
Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1