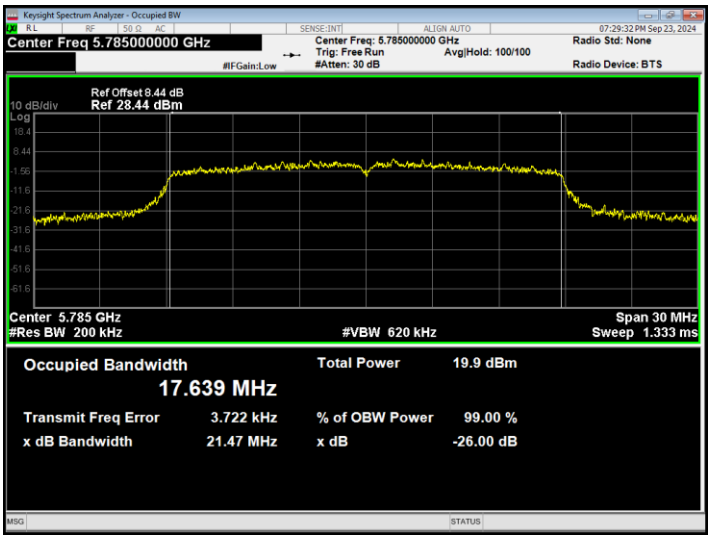
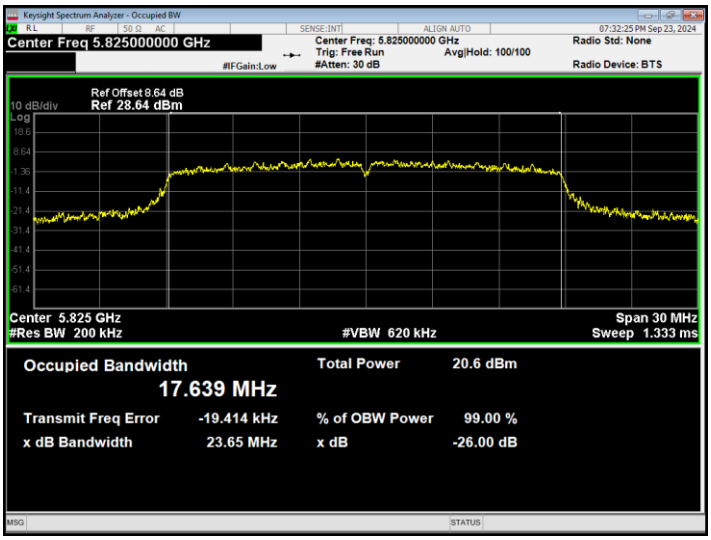
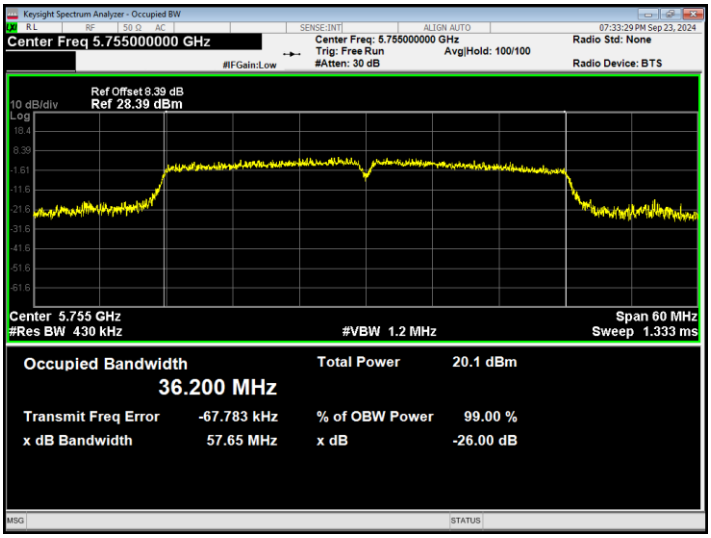


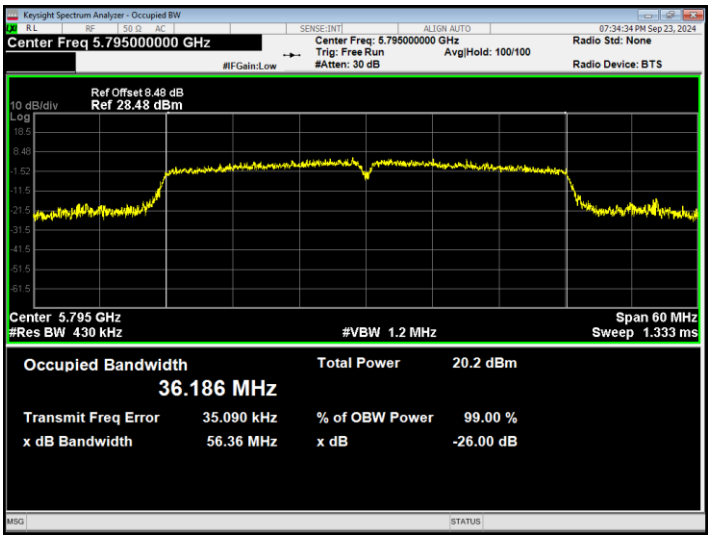
OBW NVNT ax20 5825MHz Ant2



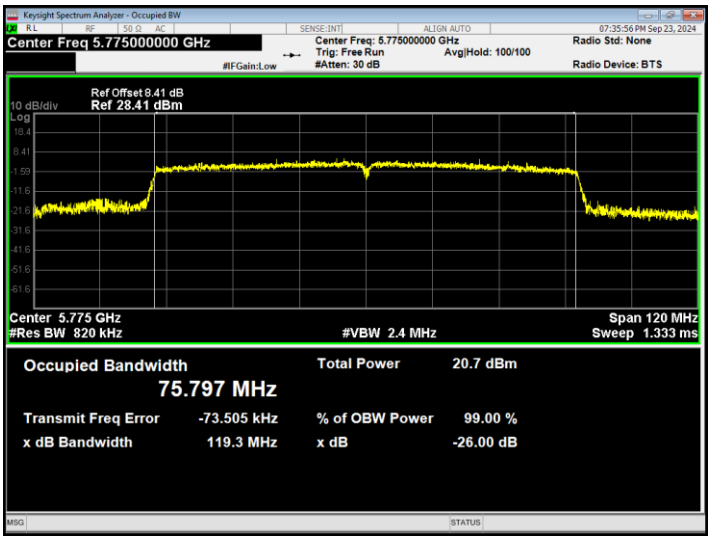
OBW NVNT ax40 5755MHz Ant2



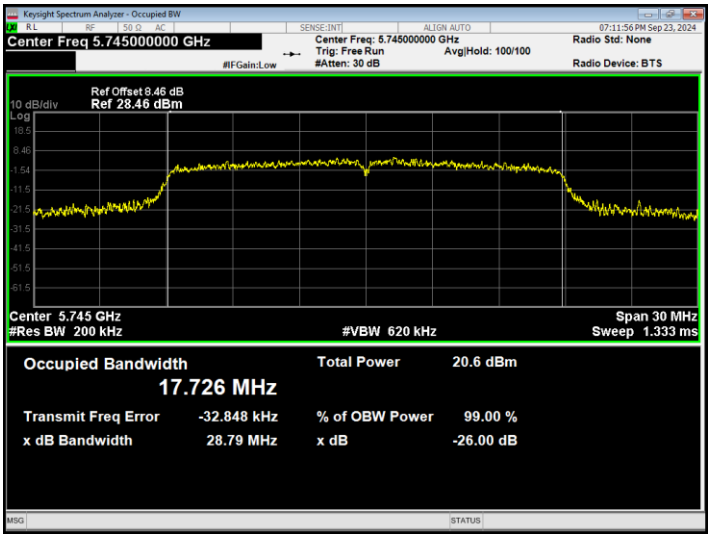
OBW NVNT ax40 5795MHz Ant2



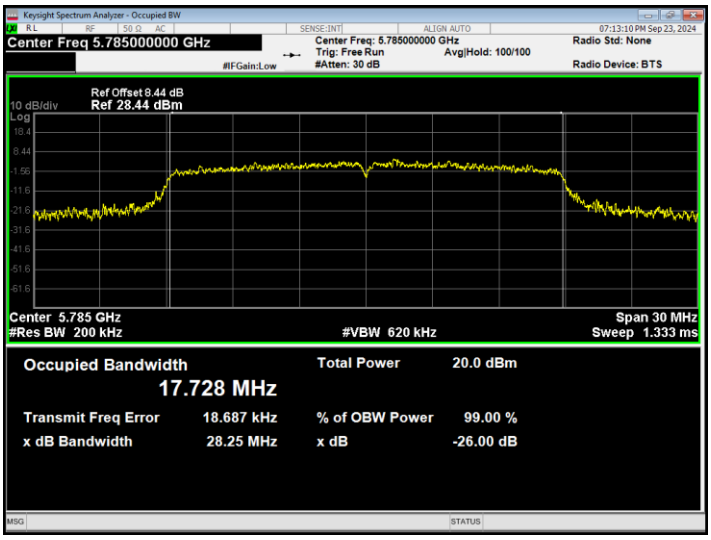
OBW NVNT ax80 5775MHz Ant2



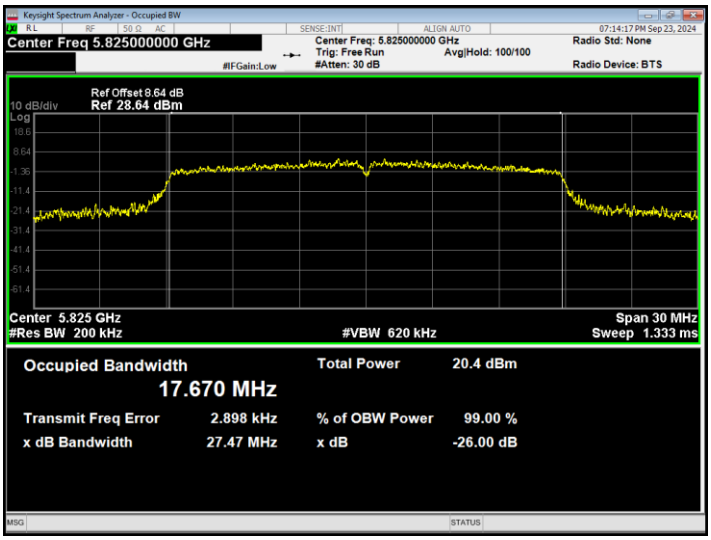
OBW NVNT n20 5745MHz Ant2



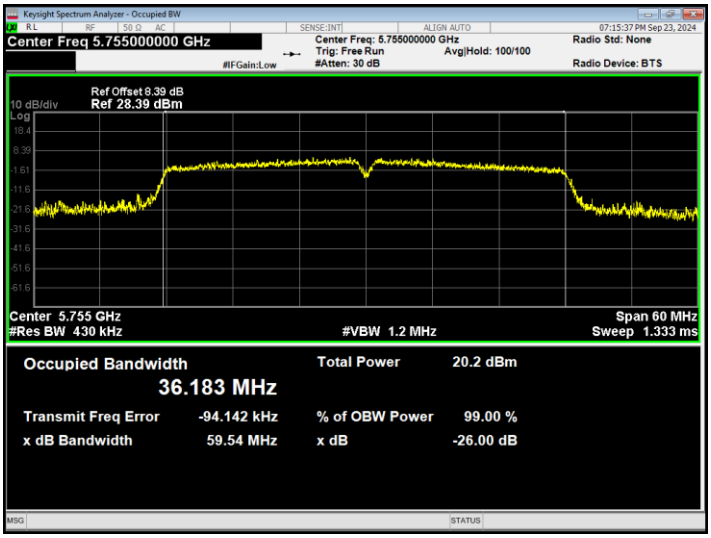
OBW NVNT n20 5785MHz Ant2



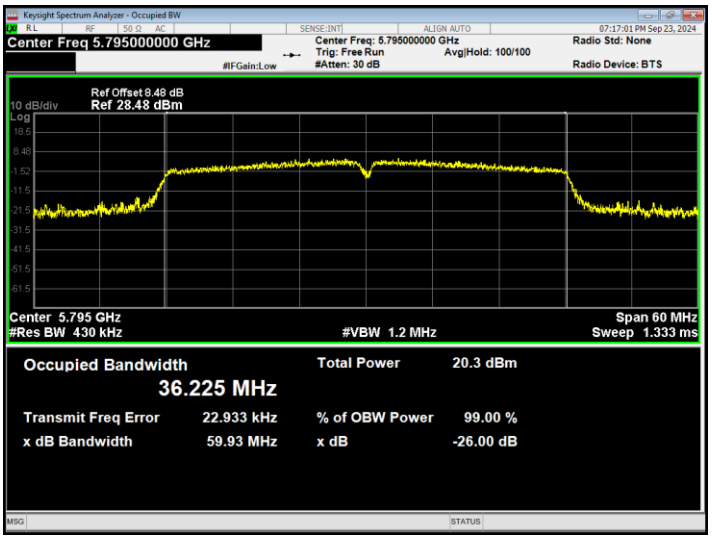
OBW NVNT n20 5825MHz Ant2



OBW NVNT n40 5755MHz Ant2



OBW NVNT n40 5795MHz Ant2


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:17:01 PM Sep 23, 2024
Center Freq 5.795000000 GHz
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Radio Std: None
Radio Device: BTS
Ref Offset 8.48 dB
10 dB/div
Ref 28.48 dBm
Log
18.5
8.48
-1.52
-11.5
-21.5
-31.5
-41.5
-51.5
-61.5
Center 5.795 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 60 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.225 MHz
Total Power 20.3 dBm
Transmit Freq Error 22.933 kHz
% of OBW Power 99.00 %
x dB Bandwidth 59.93 MHz
x dB -26.00 dB
MSG
STATUS

Maximum Power Spectral Density Level

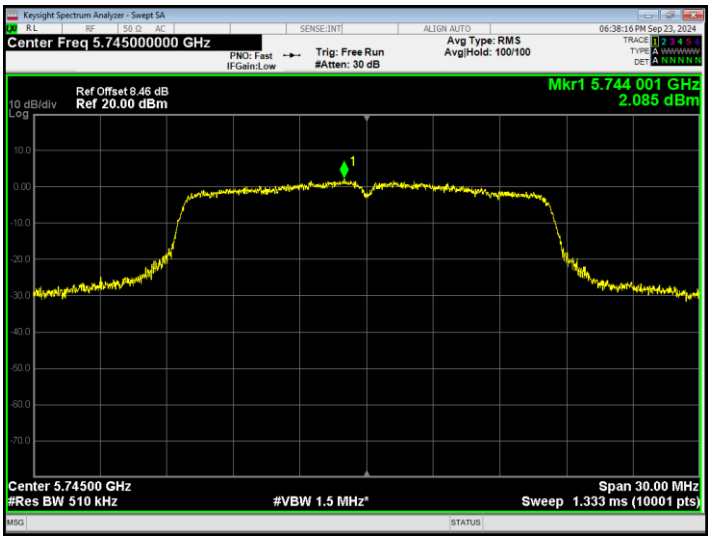
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	2.085	0.87	2.955	30	Pass
NVNT	a	5785	Ant1	1.69	0.87	2.56	30	Pass
NVNT	a	5825	Ant1	1.863	0.87	2.733	30	Pass
NVNT	ac20	5745	Ant1	1.927	0.31	2.237	30	Pass
NVNT	ac20	5785	Ant1	1.514	0.31	1.824	30	Pass
NVNT	ac20	5825	Ant1	1.924	0.25	2.174	30	Pass
NVNT	ac40	5755	Ant1	-1.367	0.47	-0.897	30	Pass
NVNT	ac40	5795	Ant1	-1.166	0.47	-0.696	30	Pass
NVNT	ac80	5775	Ant1	-5.336	1.06	-4.276	30	Pass
NVNT	ax20	5745	Ant1	2.188	0.35	2.538	30	Pass
NVNT	ax20	5785	Ant1	1.076	0.36	1.436	30	Pass
NVNT	ax20	5825	Ant1	1.672	0.35	2.022	30	Pass
NVNT	ax40	5755	Ant1	-1.391	0.82	-0.571	30	Pass
NVNT	ax40	5795	Ant1	-1.652	0.67	-0.982	30	Pass
NVNT	ax80	5775	Ant1	-5.519	1.41	-4.109	30	Pass
NVNT	n20	5745	Ant1	2.222	0.13	2.352	30	Pass
NVNT	n20	5785	Ant1	1.622	0.16	1.782	30	Pass
NVNT	n20	5825	Ant1	2.327	0.16	2.487	30	Pass
NVNT	n40	5755	Ant1	-1.211	0.26	-0.951	30	Pass
NVNT	n40	5795	Ant1	-1.246	0.26	-0.986	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	1.767	1.12	2.887	30	Pass
NVNT	a	5785	Ant2	1.475	0.87	2.345	30	Pass
NVNT	a	5825	Ant2	1.669	0.87	2.539	30	Pass
NVNT	ac20	5745	Ant2	2.21	0.31	2.52	30	Pass
NVNT	ac20	5785	Ant2	1.241	0.31	1.551	30	Pass
NVNT	ac20	5825	Ant2	2.152	0.25	2.402	30	Pass
NVNT	ac40	5755	Ant2	-1.384	0.47	-0.914	30	Pass
NVNT	ac40	5795	Ant2	-1.183	0.47	-0.713	30	Pass
NVNT	ac80	5775	Ant2	-5.123	1.06	-4.063	30	Pass
NVNT	ax20	5745	Ant2	1.974	0.45	2.424	30	Pass
NVNT	ax20	5785	Ant2	1.174	0.45	1.624	30	Pass
NVNT	ax20	5825	Ant2	1.764	0.35	2.114	30	Pass
NVNT	ax40	5755	Ant2	-1.496	0.64	-0.856	30	Pass
NVNT	ax40	5795	Ant2	-1.394	0.82	-0.574	30	Pass
NVNT	ax80	5775	Ant2	-5.378	1.09	-4.288	30	Pass
NVNT	n20	5745	Ant2	2.011	0.13	2.141	30	Pass
NVNT	n20	5785	Ant2	1.348	0.16	1.508	30	Pass
NVNT	n20	5825	Ant2	1.931	0.13	2.061	30	Pass
NVNT	n40	5755	Ant2	-1.181	0.26	-0.921	30	Pass
NVNT	n40	5795	Ant2	-0.968	0.32	-0.648	30	Pass

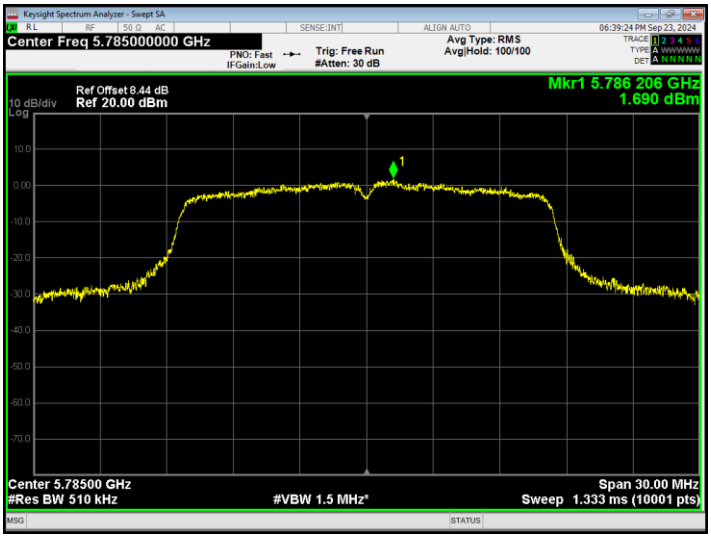
MIMO Mode

Mode	Frequency (MHz)	Antenna	Total PSD (dBm)	Limit (dBm)	Verdict
ac20	5745	Ant1+2	5.39	30	Pass
ac20	5785	Ant1+2	4.70	30	Pass
ac20	5825	Ant1+2	5.30	30	Pass
ac40	5755	Ant1+2	2.10	30	Pass
ac40	5795	Ant1+2	2.31	30	Pass
ac80	5775	Ant1+2	-1.16	30	Pass
ax20	5745	Ant1+2	5.49	30	Pass
ax20	5785	Ant1+2	4.54	30	Pass
ax20	5825	Ant1+2	5.08	30	Pass
ax40	5755	Ant1+2	2.30	30	Pass
ax40	5795	Ant1+2	2.24	30	Pass
ax80	5775	Ant1+2	-1.19	30	Pass
n20	5745	Ant1+2	5.26	30	Pass
n20	5785	Ant1+2	4.66	30	Pass
n20	5825	Ant1+2	5.29	30	Pass
n40	5755	Ant1+2	2.07	30	Pass
n40	5795	Ant1+2	2.20	30	Pass

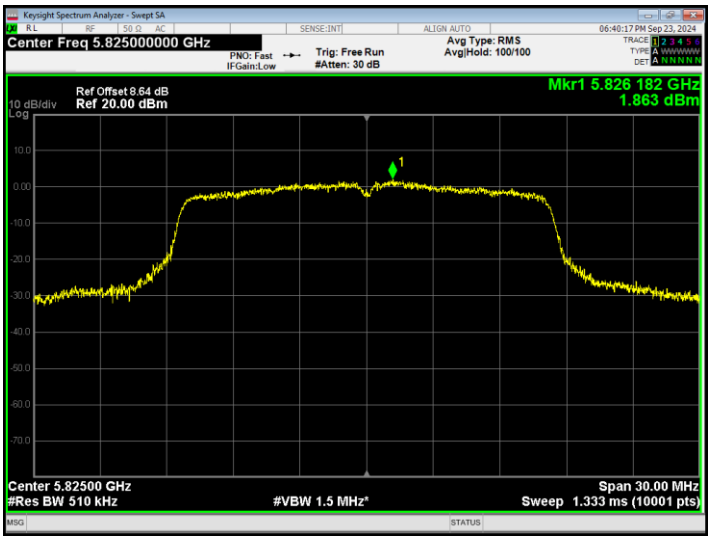
PSD NVNT a 5745MHz Ant1



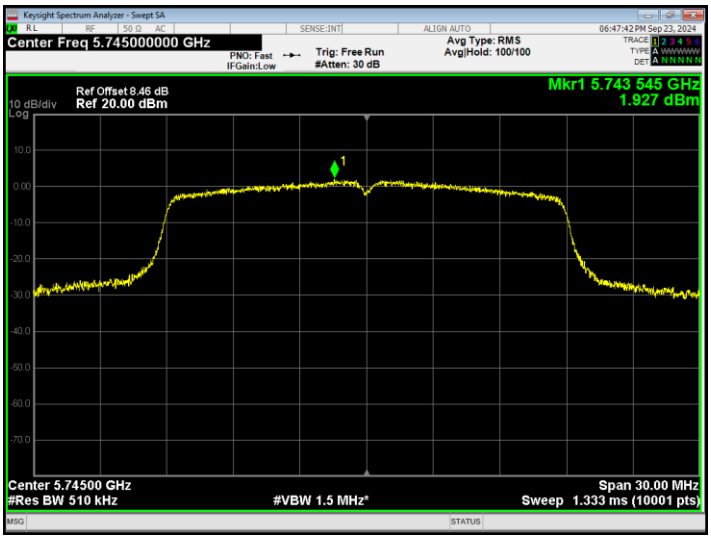
PSD NVNT a 5785MHz Ant1



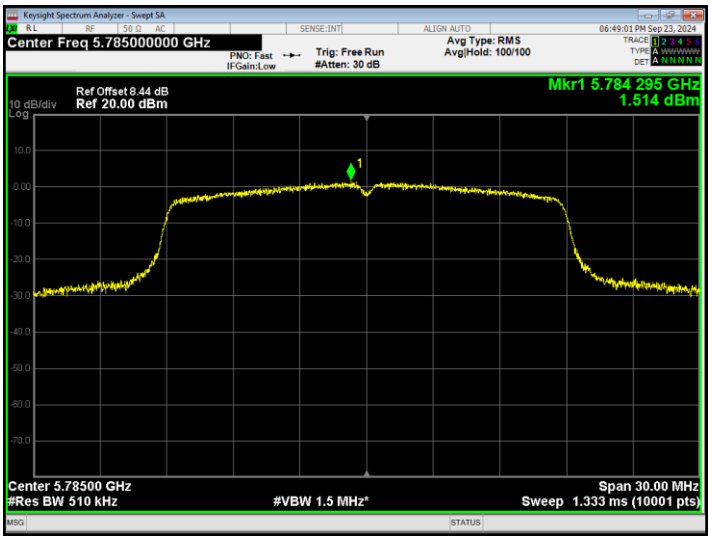
PSD NVNT a 5825MHz Ant1



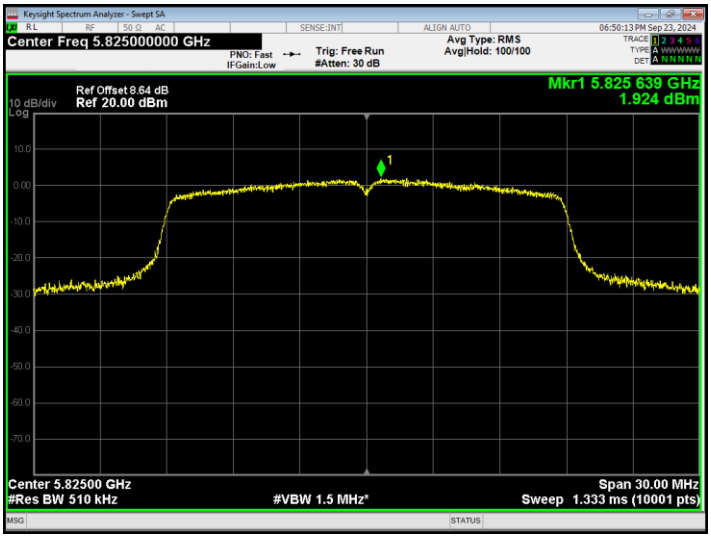
PSD NVNT ac20 5745MHz Ant1



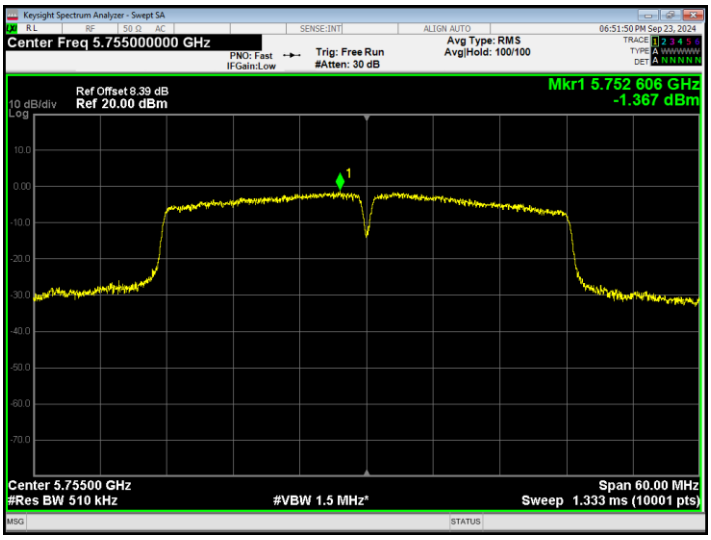
PSD NVNT ac20 5785MHz Ant1



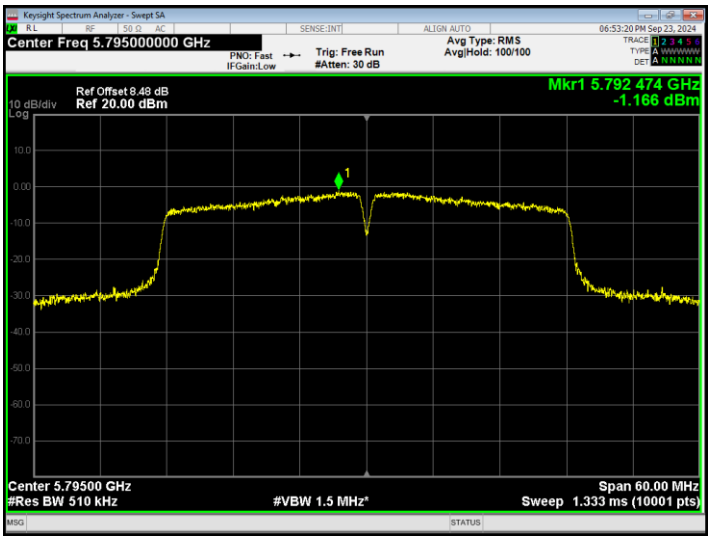
PSD NVNT ac20 5825MHz Ant1



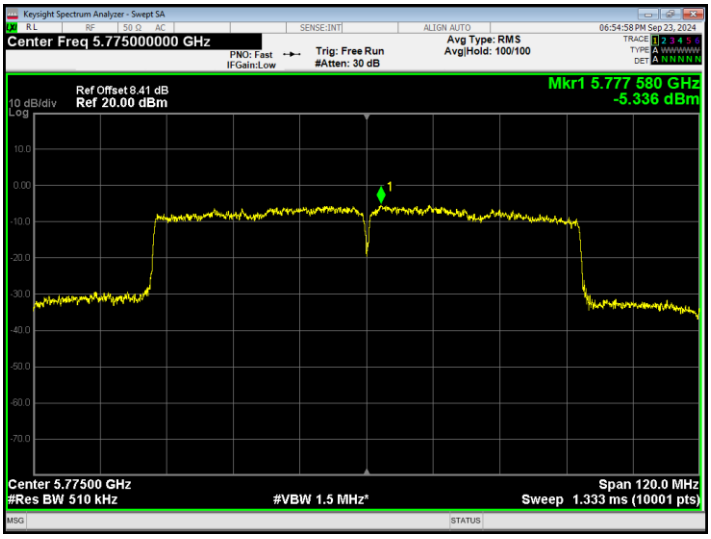
PSD NVNT ac40 5755MHz Ant1



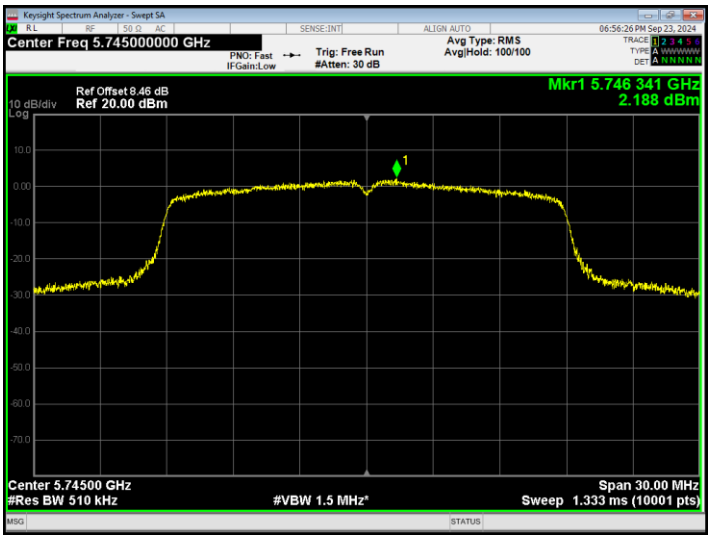
PSD NVNT ac40 5795MHz Ant1



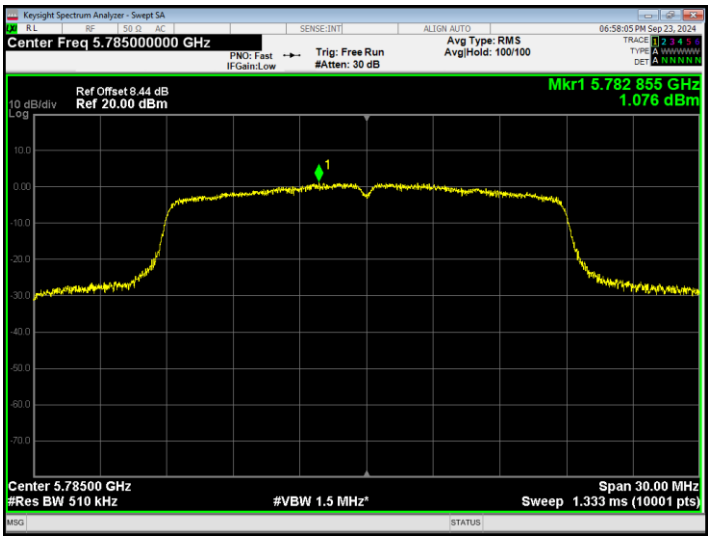
PSD NVNT ac80 5775MHz Ant1



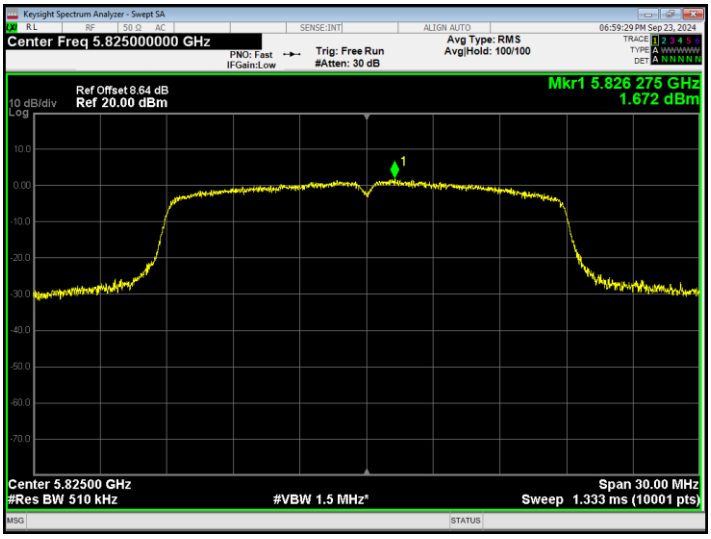
PSD NVNT ax20 5745MHz Ant1



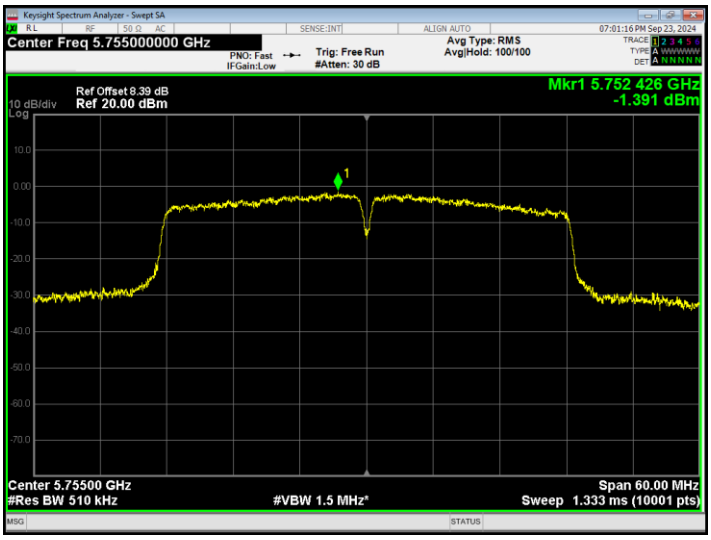
PSD NVNT ax20 5785MHz Ant1



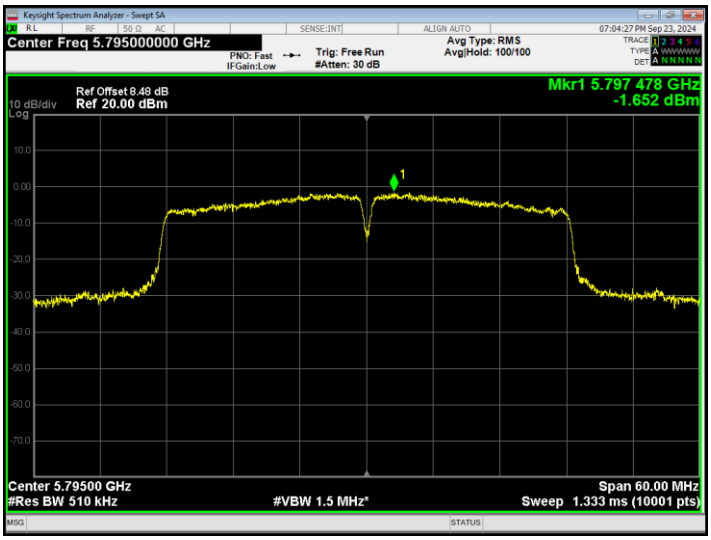
PSD NVNT ax20 5825MHz Ant1



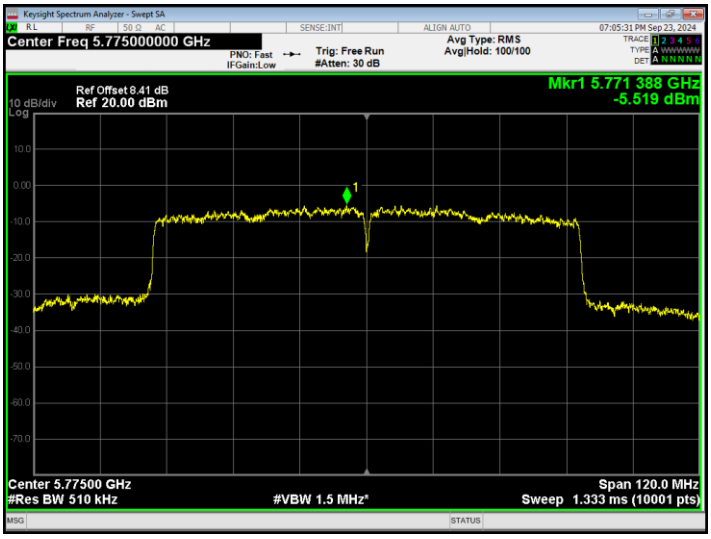
PSD NVNT ax40 5755MHz Ant1



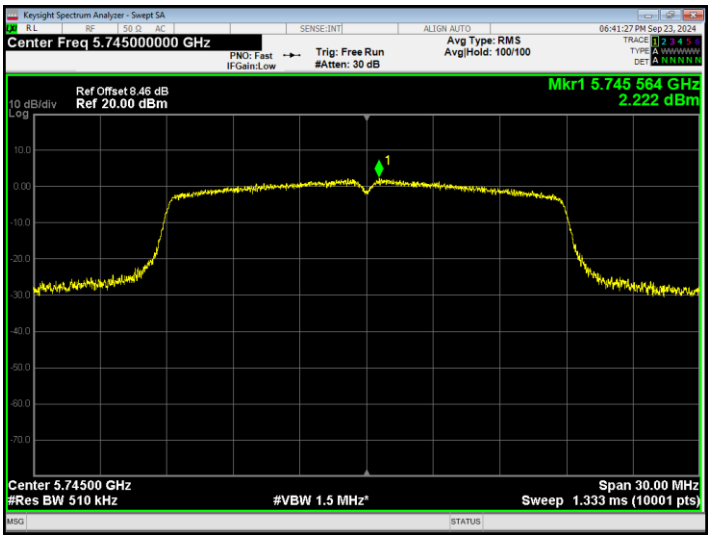
PSD NVNT ax40 5795MHz Ant1



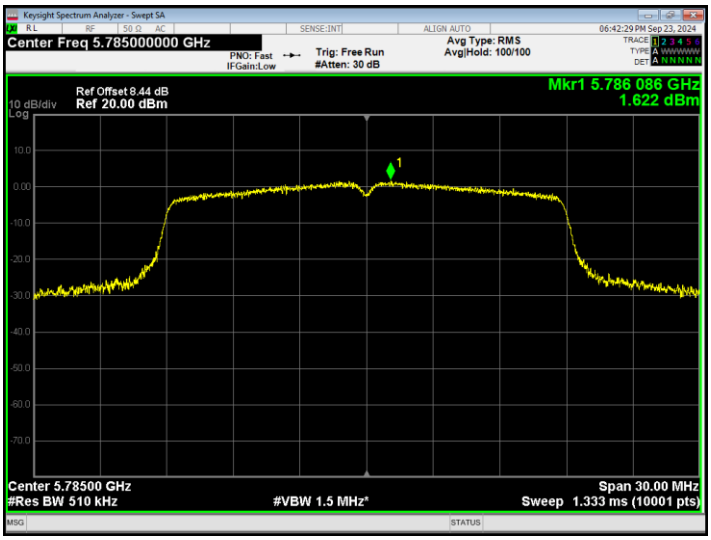
PSD NVNT ax80 5775MHz Ant1



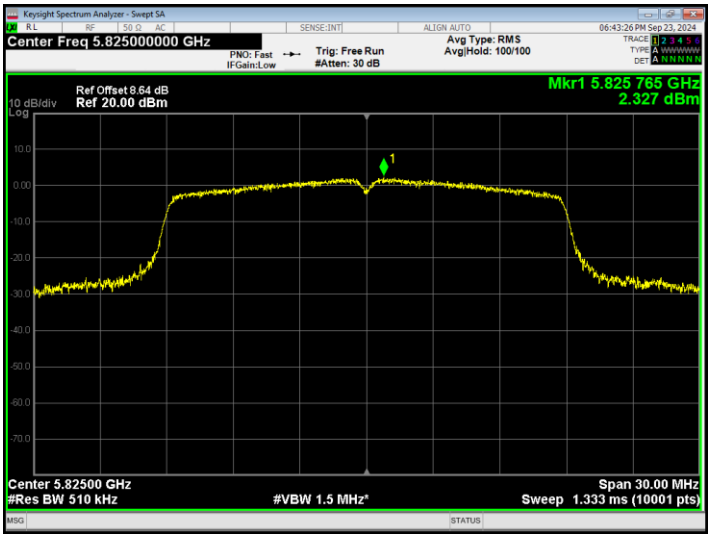
PSD NVNT n20 5745MHz Ant1



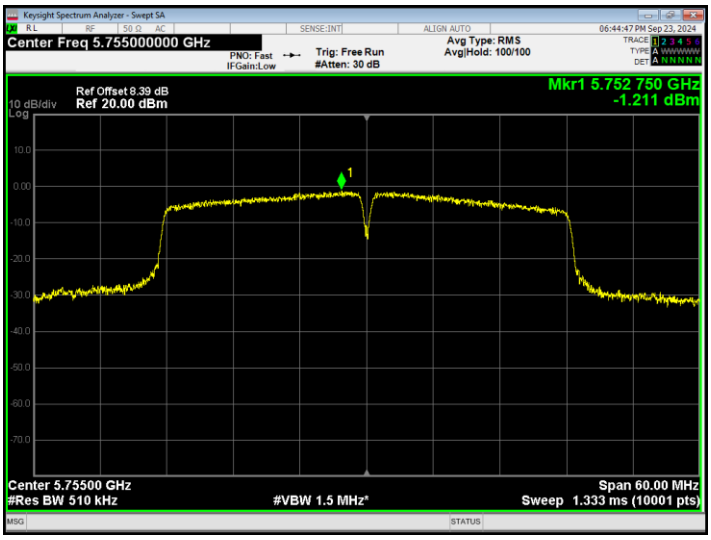
PSD NVNT n20 5785MHz Ant1



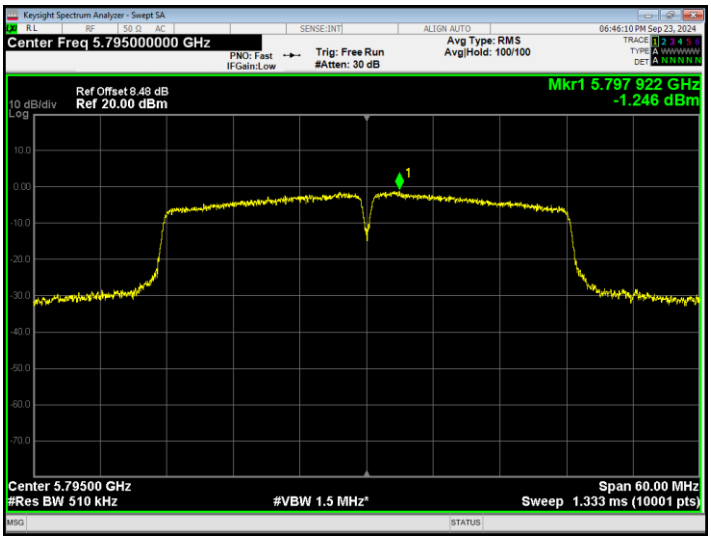
PSD NVNT n20 5825MHz Ant1



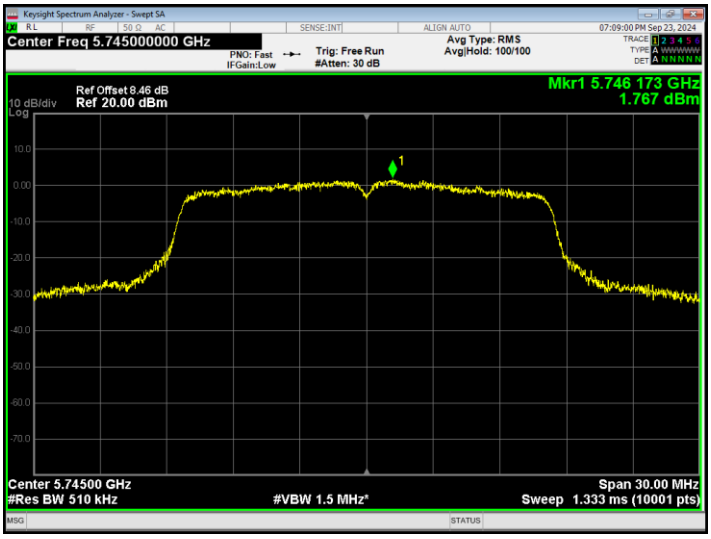
PSD NVNT n40 5755MHz Ant1



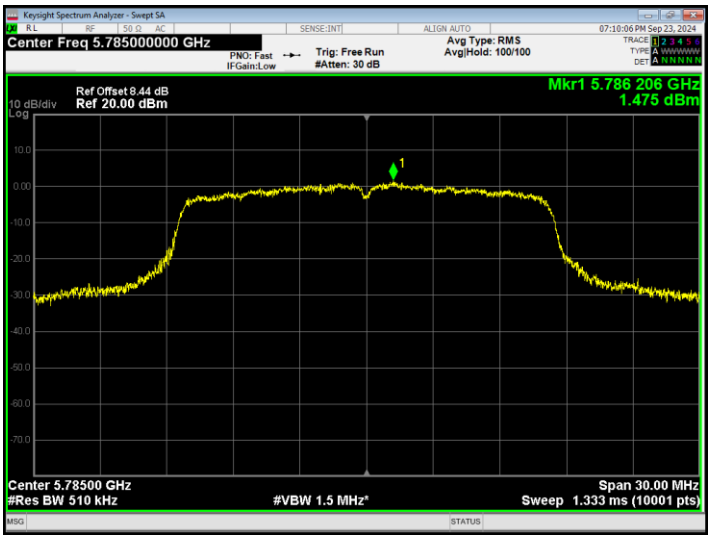
PSD NVNT n40 5795MHz Ant1



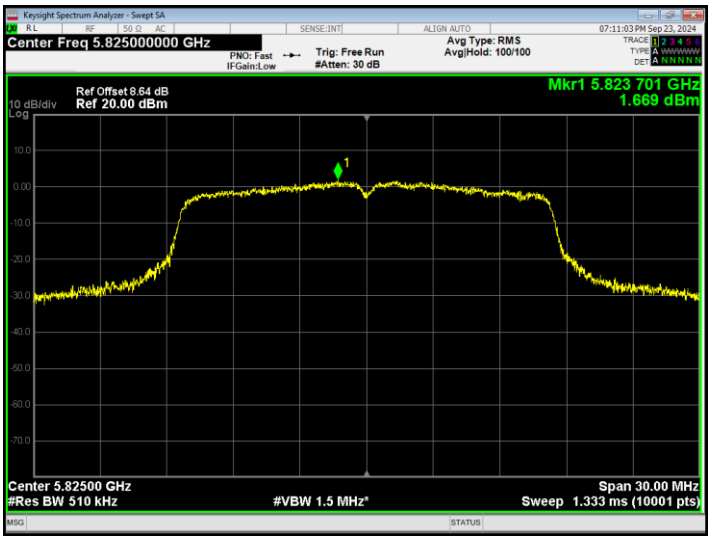
PSD NVNT a 5745MHz Ant2



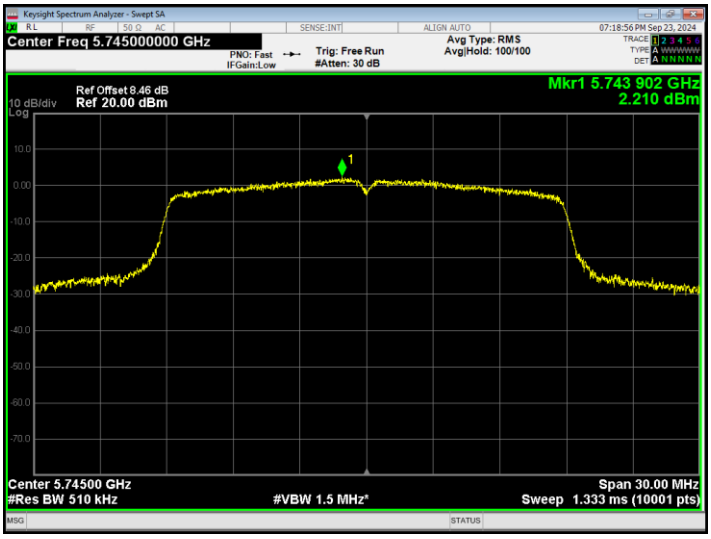
PSD NVNT a 5785MHz Ant2



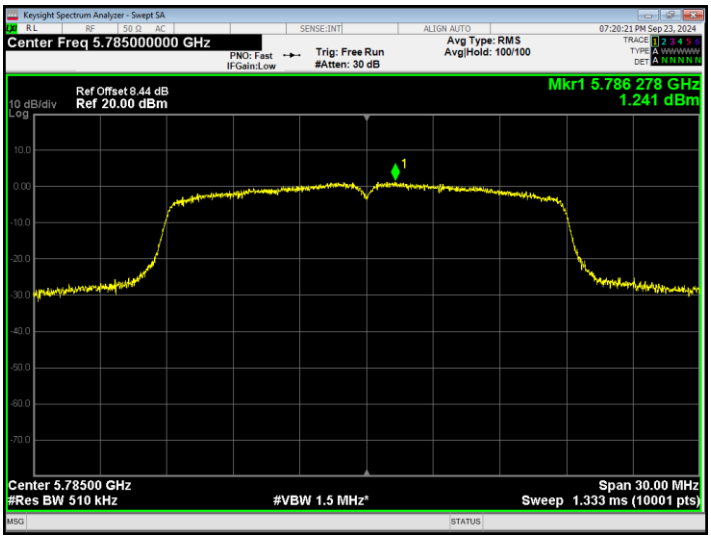
PSD NVNT a 5825MHz Ant2



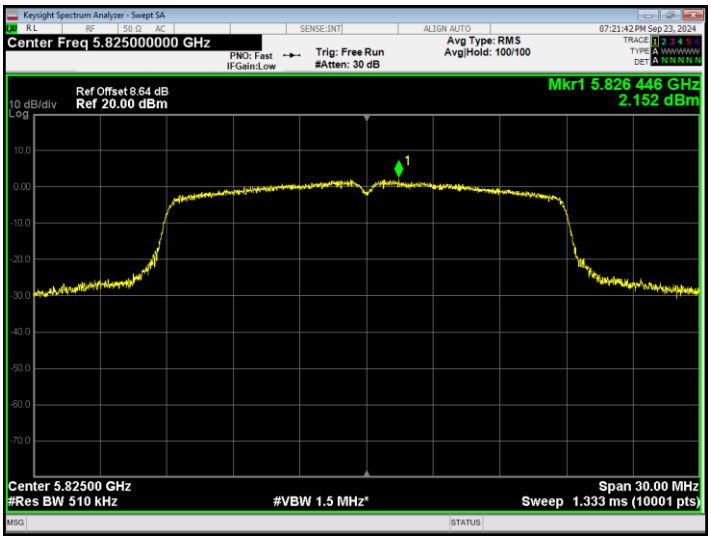
PSD NVNT ac20 5745MHz Ant2



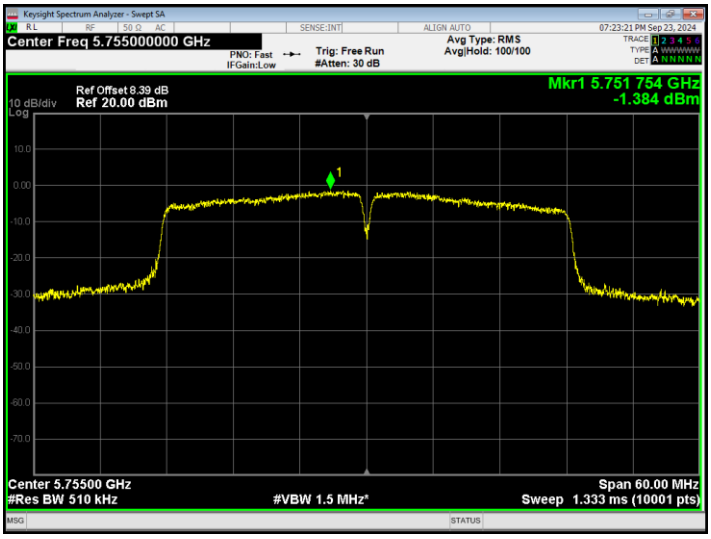
PSD NVNT ac20 5785MHz Ant2



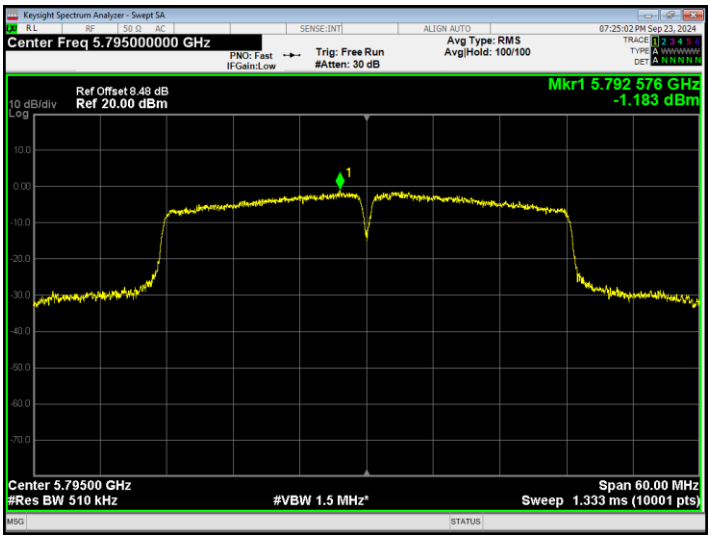
PSD NVNT ac20 5825MHz Ant2



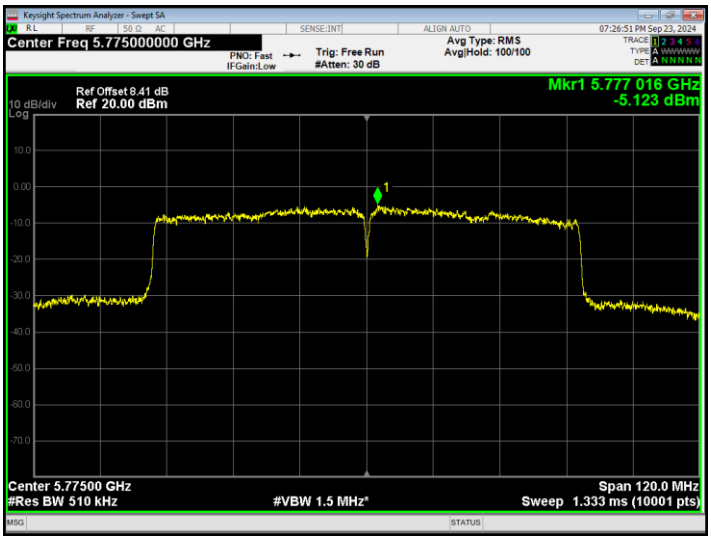
PSD NVNT ac40 5755MHz Ant2



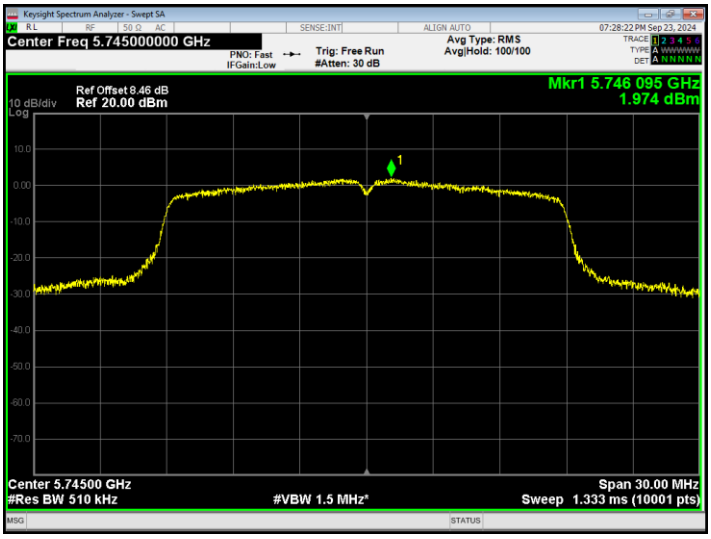
PSD NVNT ac40 5795MHz Ant2



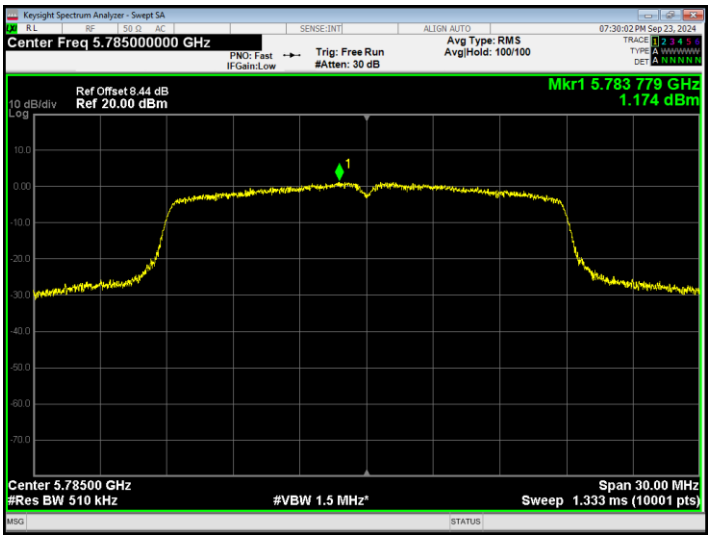
PSD NVNT ac80 5775MHz Ant2



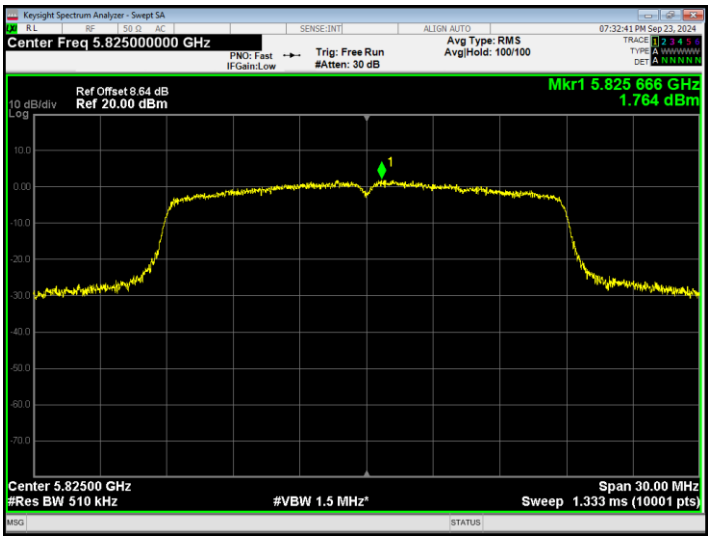
PSD NVNT ax20 5745MHz Ant2



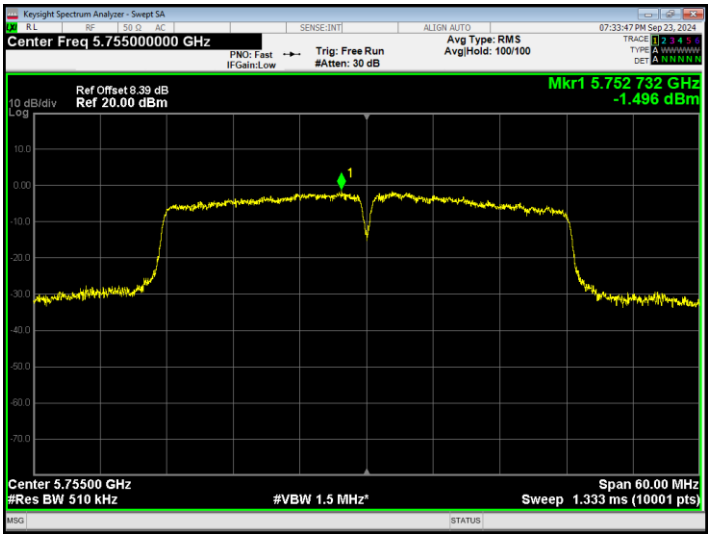
PSD NVNT ax20 5785MHz Ant2



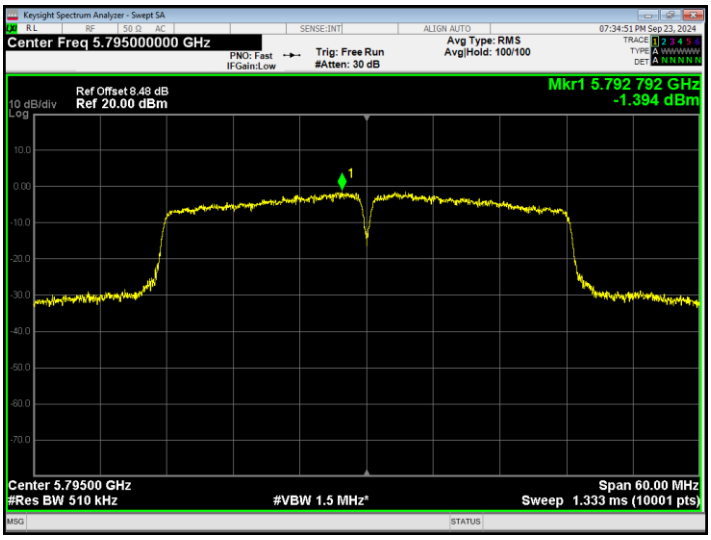
PSD NVNT ax20 5825MHz Ant2



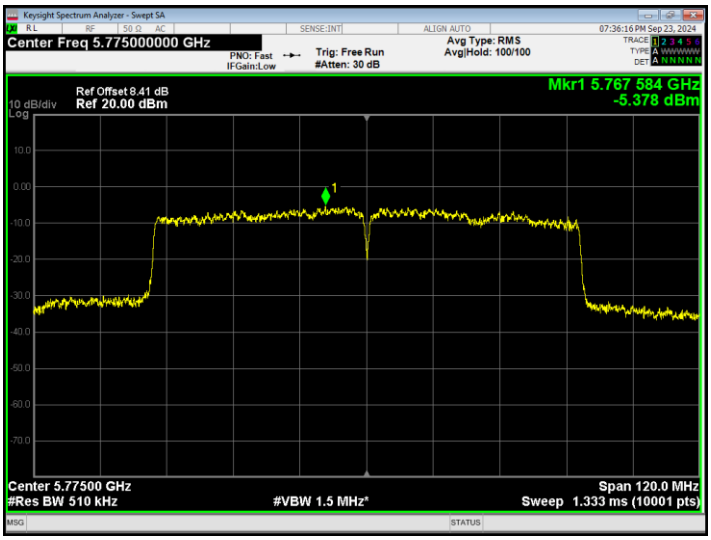
PSD NVNT ax40 5755MHz Ant2



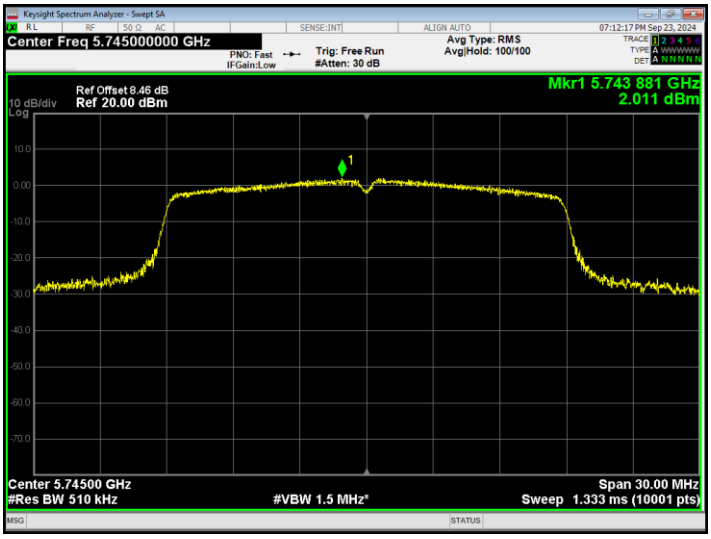
PSD NVNT ax40 5795MHz Ant2



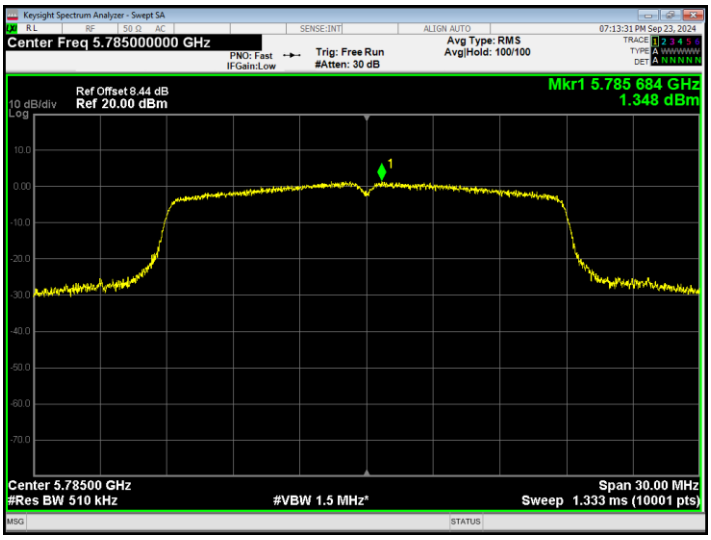
PSD NVNT ax80 5775MHz Ant2



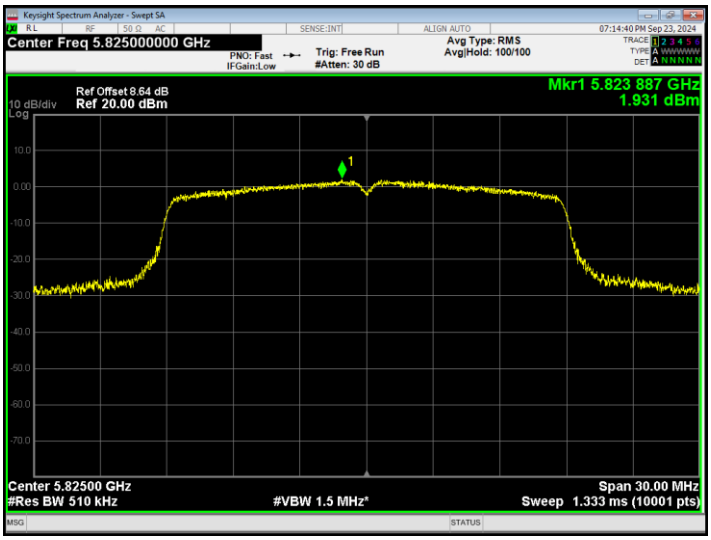
PSD NVNT n20 5745MHz Ant2



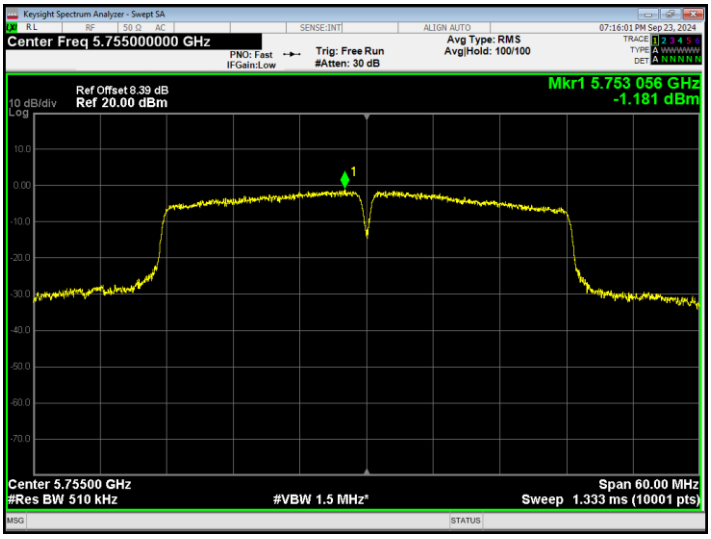
PSD NVNT n20 5785MHz Ant2



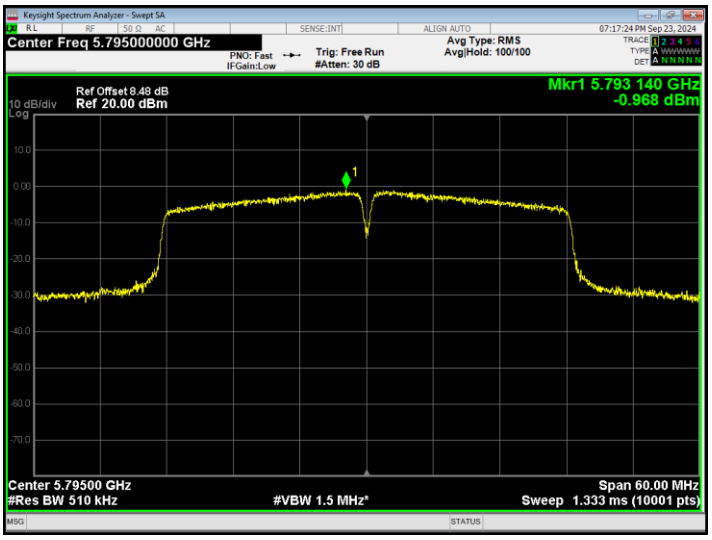
PSD NVNT n20 5825MHz Ant2



PSD NVNT n40 5755MHz Ant2



PSD NVNT n40 5795MHz Ant2


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
07:17:24 PM Sep 23, 2024
Ref Offset 8.48 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.793 140 GHz
-0.968 dBm
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 60.00 MHz
Sweep 1.333 ms (10001 pts)

Band Edge

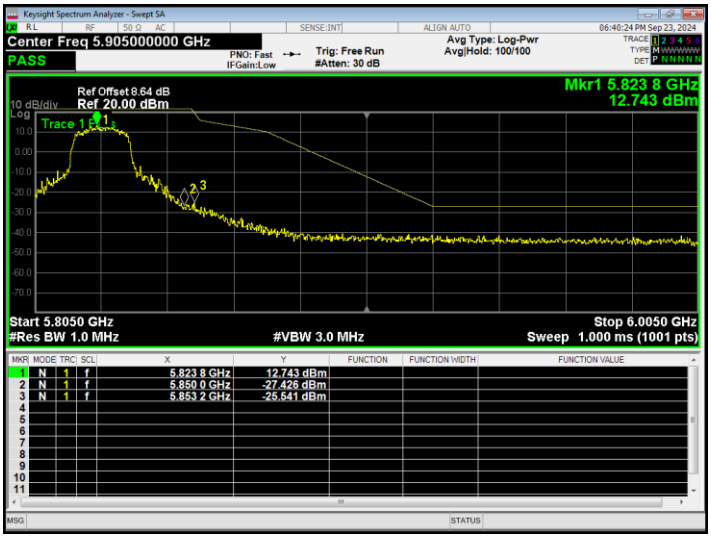
Note:the ref offset=antenna gain+cable loss

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-15.87	Pass
NVNT	a	5825	Ant1	-25.54	Pass
NVNT	ac20	5745	Ant1	-18.78	Pass
NVNT	ac20	5825	Ant1	-24.67	Pass
NVNT	ac40	5755	Ant1	-13.79	Pass
NVNT	ac40	5795	Ant1	-27.15	Pass
NVNT	ax20	5745	Ant1	-17.41	Pass
NVNT	ax20	5825	Ant1	-25.17	Pass
NVNT	ax40	5755	Ant1	-12.75	Pass
NVNT	ax40	5795	Ant1	-27.91	Pass
NVNT	n20	5745	Ant1	-16.79	Pass
NVNT	n20	5825	Ant1	-23.74	Pass
NVNT	n40	5755	Ant1	-13.93	Pass
NVNT	n40	5795	Ant1	-22.63	Pass

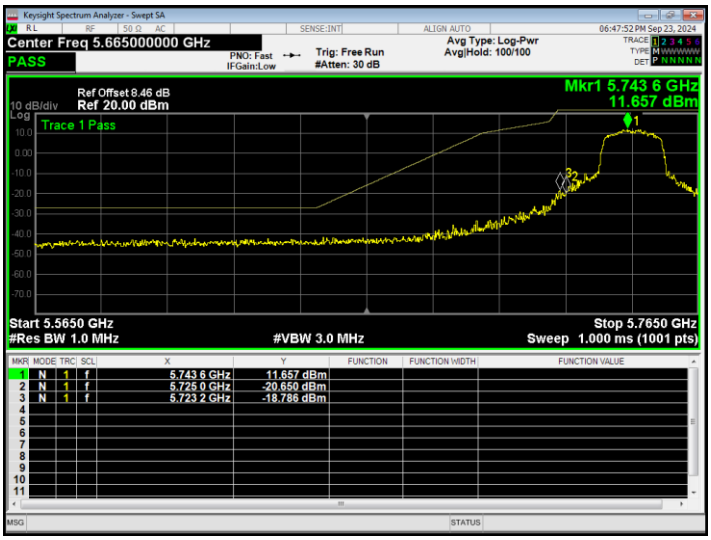
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant2	-19.86	Pass
NVNT	a	5825	Ant2	-24.18	Pass
NVNT	ac20	5745	Ant2	-17.11	Pass
NVNT	ac20	5825	Ant2	-24.44	Pass
NVNT	ac40	5755	Ant2	-12.4	Pass
NVNT	ac40	5795	Ant2	-28.61	Pass
NVNT	ax20	5745	Ant2	-18.63	Pass
NVNT	ax20	5825	Ant2	-24.93	Pass
NVNT	ax40	5755	Ant2	-12.27	Pass
NVNT	ax40	5795	Ant2	-27.48	Pass
NVNT	ax80	5775	Ant2	0	Pass
NVNT	n20	5745	Ant2	-17.67	Pass
NVNT	n20	5825	Ant2	-22.82	Pass
NVNT	n40	5755	Ant2	-14	Pass
NVNT	n40	5795	Ant2	-22.46	Pass

Band Edge NVNT a 5745MHz Low Ant1

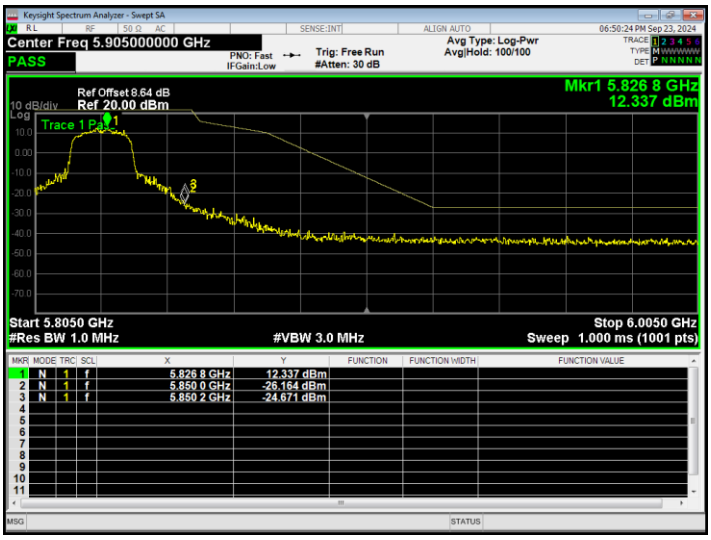
Band Edge NVNT a 5825MHz High Ant1



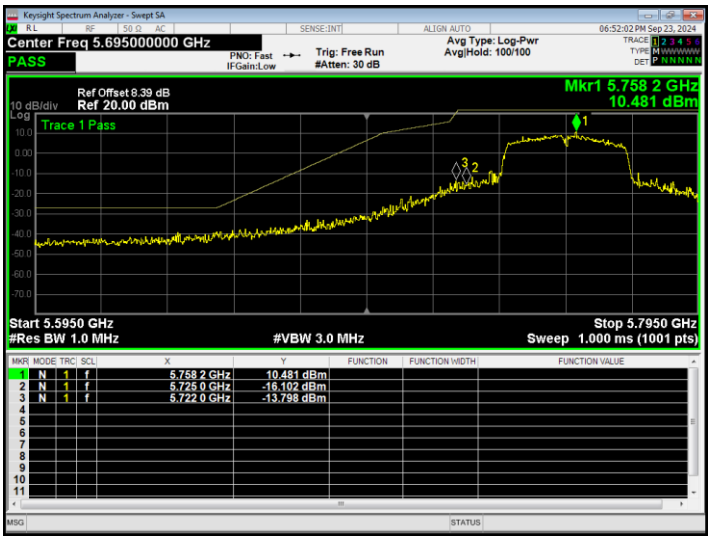
Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1

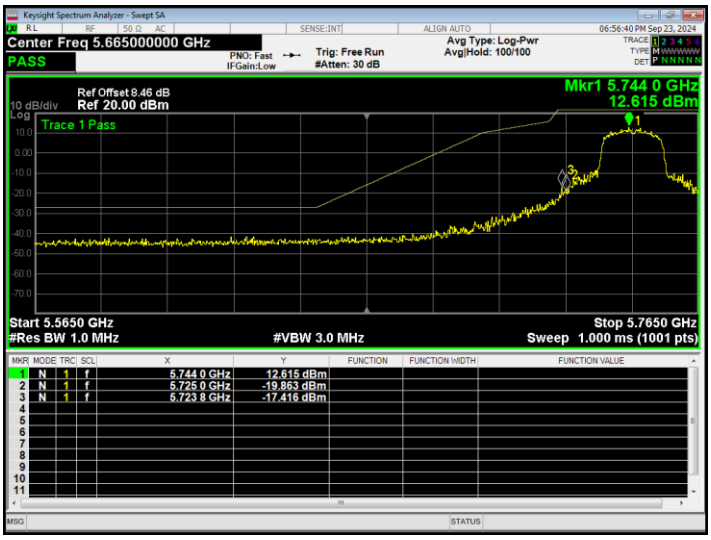


Band Edge NVNT ac40 5755MHz Low Ant1



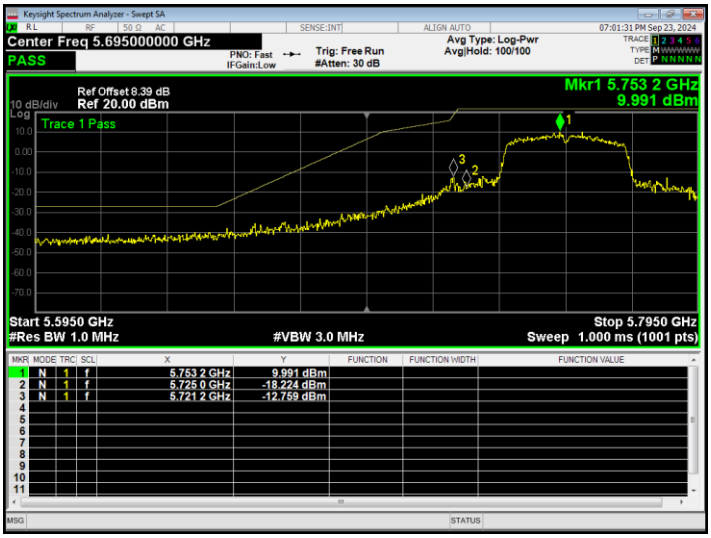
Band Edge NVNT ac40 5795MHz High Ant1

Band Edge NVNT ax20 5745MHz Low Ant1



Band Edge NVNT ax20 5825MHz High Ant1

Band Edge NVNT ax40 5755MHz Low Ant1

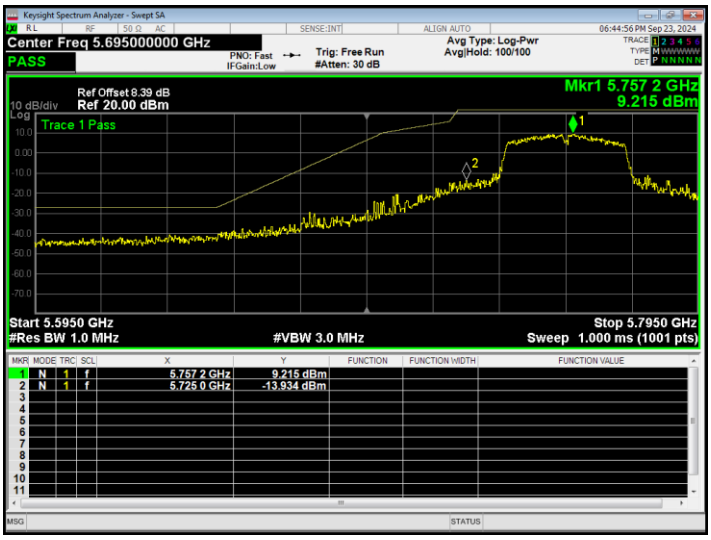


Band Edge NVNT ax40 5795MHz High Ant1

Band Edge NVNT n20 5745MHz Low Ant1

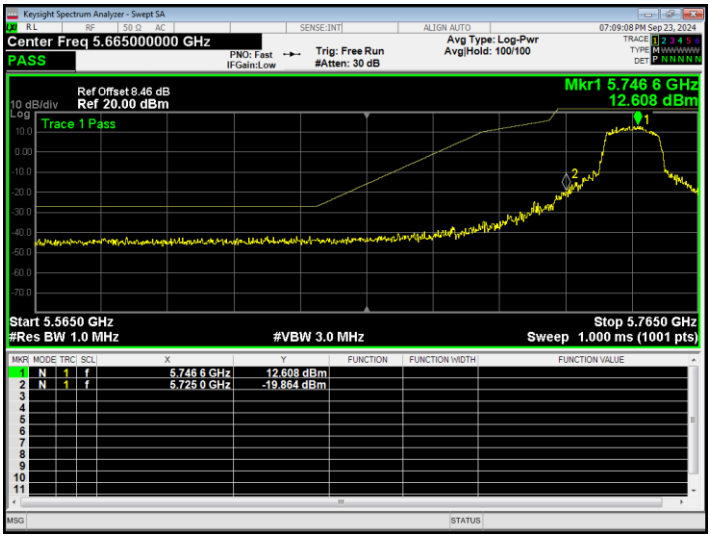
Band Edge NVNT n20 5825MHz High Ant1

Band Edge NVNT n40 5755MHz Low Ant1

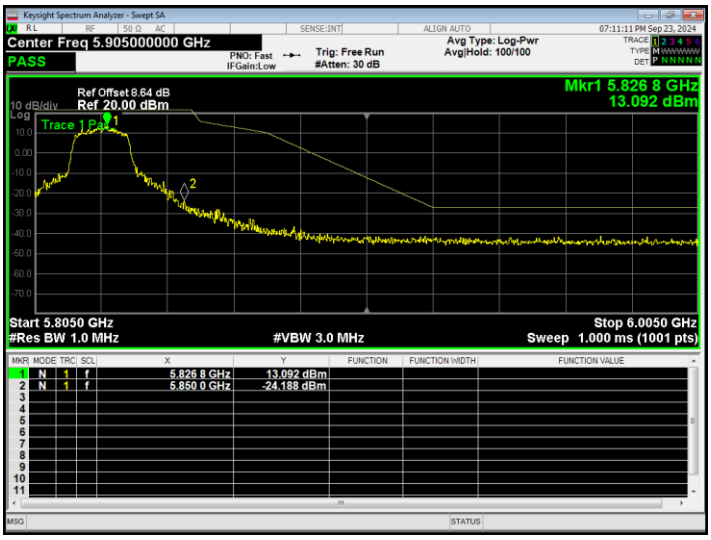


Band Edge NVNT n40 5795MHz High Ant1

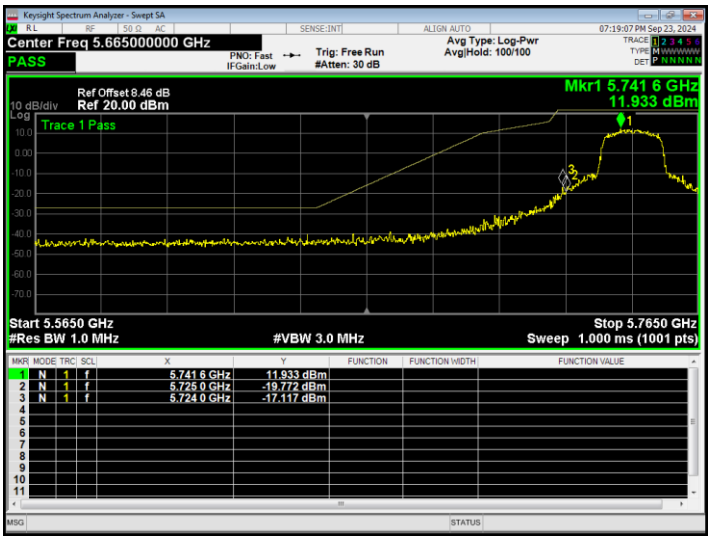
Band Edge NVNT a 5745MHz Low Ant2



Band Edge NVNT a 5825MHz High Ant2

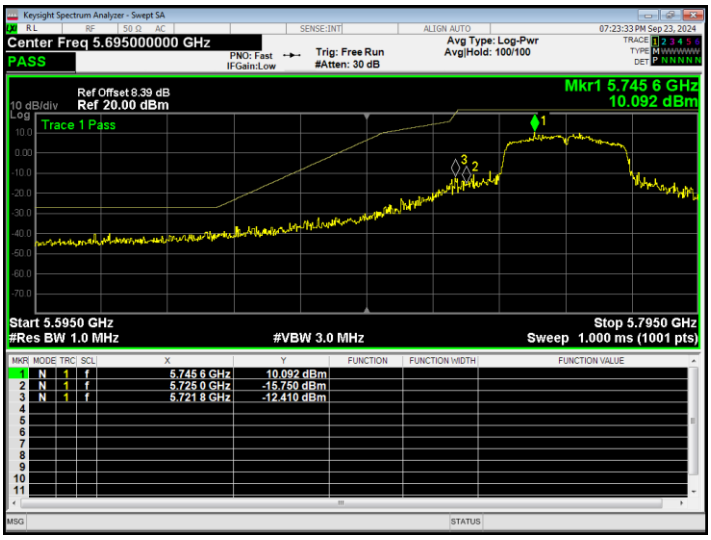


Band Edge NVNT ac20 5745MHz Low Ant2



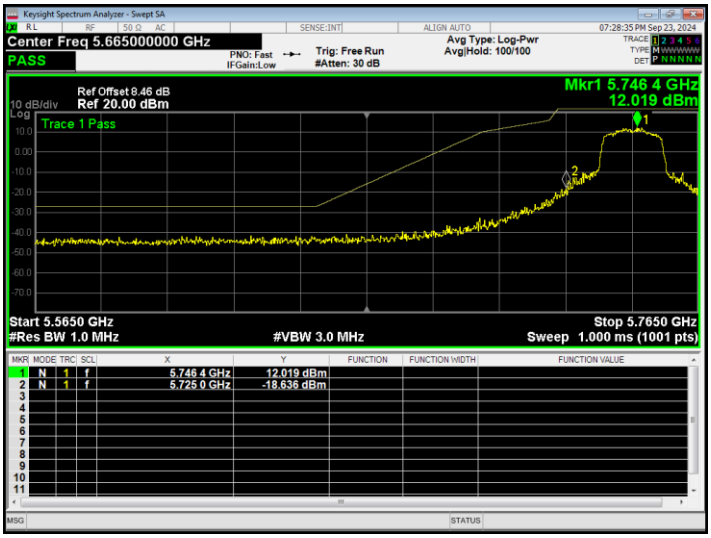
Band Edge NVNT ac20 5825MHz High Ant2

Band Edge NVNT ac40 5755MHz Low Ant2

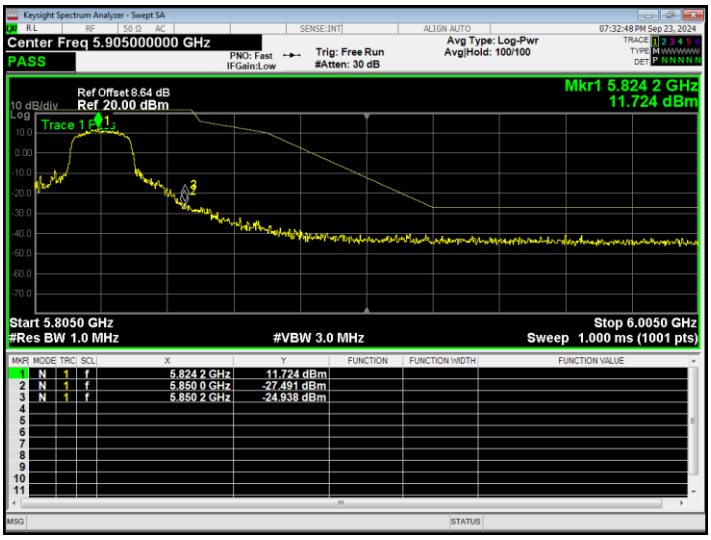


Band Edge NVNT ac40 5795MHz High Ant2

Band Edge NVNT ax20 5745MHz Low Ant2



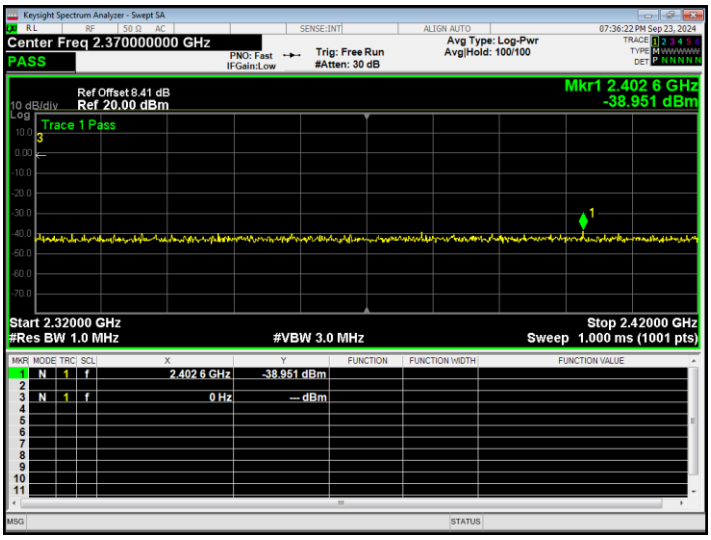
Band Edge NVNT ax20 5825MHz High Ant2



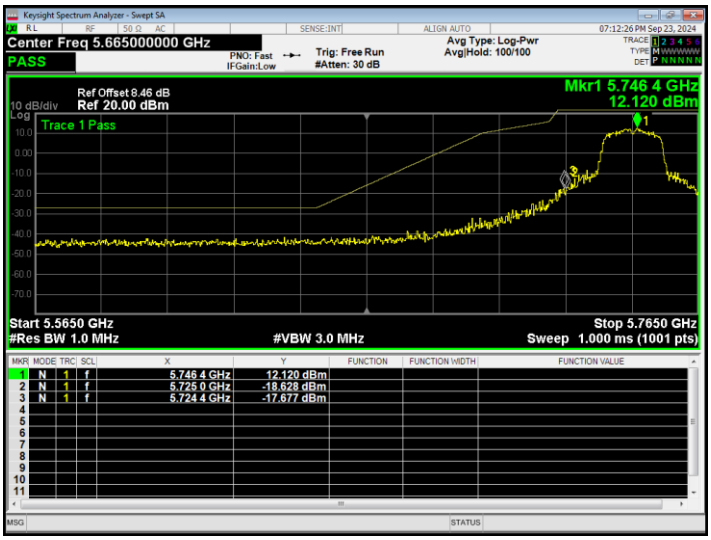
Band Edge NVNT ax40 5755MHz Low Ant2

Band Edge NVNT ax40 5795MHz High Ant2

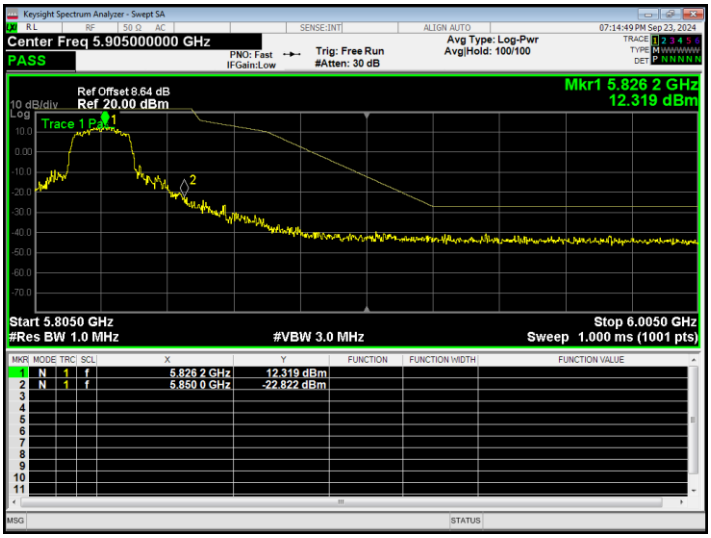
Band Edge NVNT ax80 5775MHz Mid Ant2



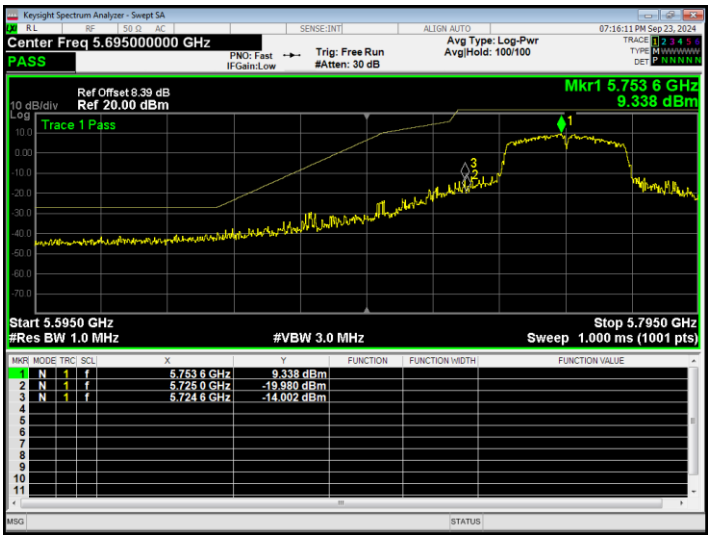
Band Edge NVNT n20 5745MHz Low Ant2



Band Edge NVNT n20 5825MHz High Ant2



Band Edge NVNT n40 5755MHz Low Ant2



Band Edge NVNT n40 5795MHz High Ant2