OBW NVNT ac20 5240MHz Ant1
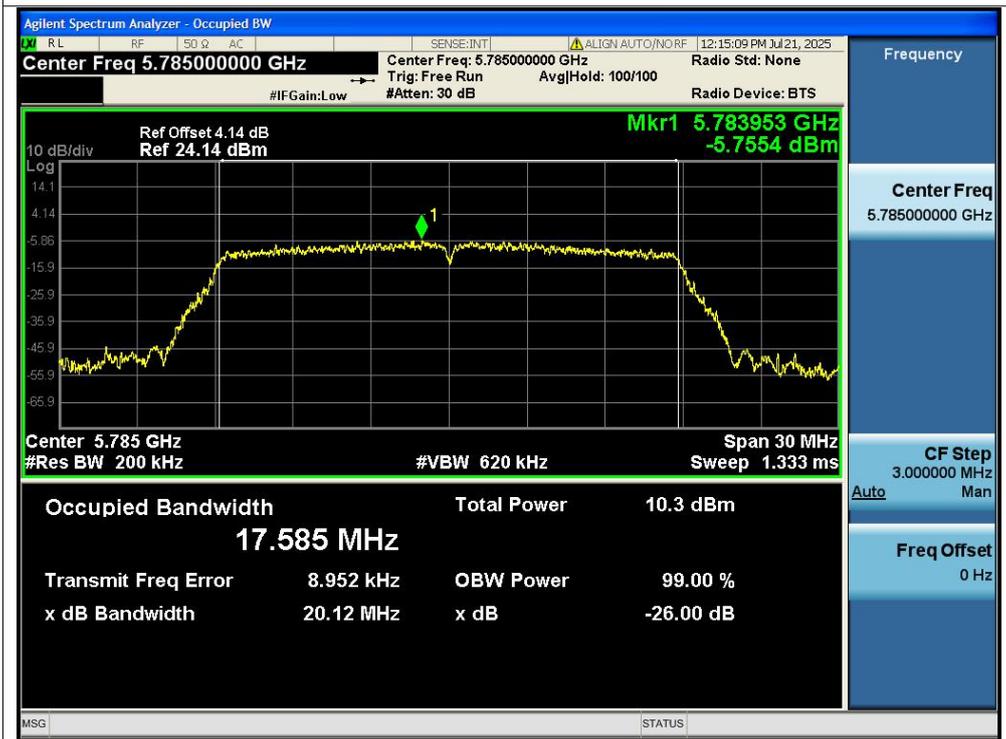

OBW NVNT ac20 5745MHz Ant1

OBW NVNT ac20 5785MHz Ant1
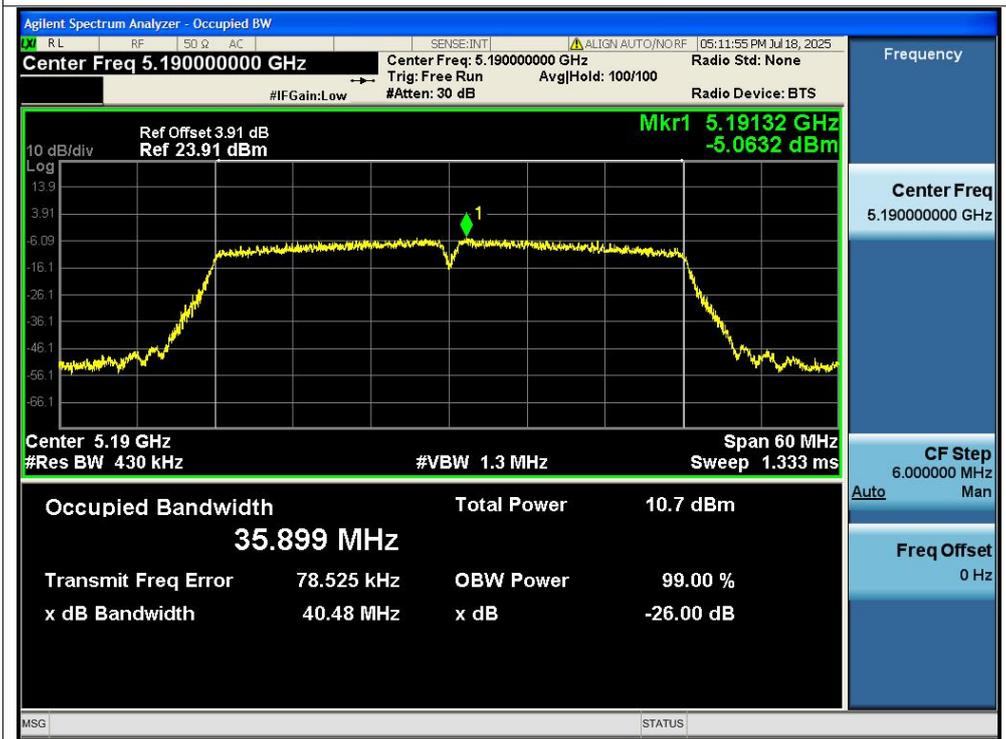
Agilent Spectrum Analyzer - Occupied BW

| LXI | R L | RF | 50 Ω | AC | | SENSE:INT | | ⚠ ALIGN AUTO/NORF | 12:15:09 PM Jul 21, 2025 | Frequency |

Center Freq 5.785000000 GHz

Center Freq: 5.785000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 100/100
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS

Ref Offset 4.14 dB
Ref 24.14 dBm

10 dB/div
Log

Mkr1 5.783953 GHz
-5.7554 dBm

14.1
4.14
-5.86
-15.9
-25.9
-35.9
-45.9
-55.9
-65.9

Center 5.785 GHz   **Span 30 MHz**
#Res BW 200 kHz   **#VBW 620 kHz**   **Sweep 1.333 ms**

Occupied Bandwidth   Total Power   10.3 dBm

17.585 MHz

Transmit Freq Error   8.952 kHz   OBW Power   99.00 %
x dB Bandwidth   20.12 MHz   x dB   -26.00 dB

Center Freq
5.785000000 GHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

MSG   STATUS

OBW NVNT ac20 5825MHz Ant1

Agilent Spectrum Analyzer - Occupied BW

| LXI | R L | RF | 50 Ω | AC | | SENSE:INT | | ⚠ ALIGN AUTO/NORF | 12:16:39 PM Jul 21, 2025 | Frequency |

Center Freq 5.825000000 GHz

Center Freq: 5.825000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 100/100
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS

Ref Offset 4.18 dB
Ref 24.18 dBm

10 dB/div
Log

Mkr1 5.826692 GHz
-5.3086 dBm

14.2
4.18
-5.82
-15.8
-25.8
-35.8
-45.8
-55.8
-65.8

Center 5.825 GHz   **Span 30 MHz**
#Res BW 200 kHz   **#VBW 620 kHz**   **Sweep 1.333 ms**

Occupied Bandwidth   Total Power   10.4 dBm

17.529 MHz

Transmit Freq Error   27.182 kHz   OBW Power   99.00 %
x dB Bandwidth   20.24 MHz   x dB   -26.00 dB

Center Freq
5.825000000 GHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

MSG   STATUS
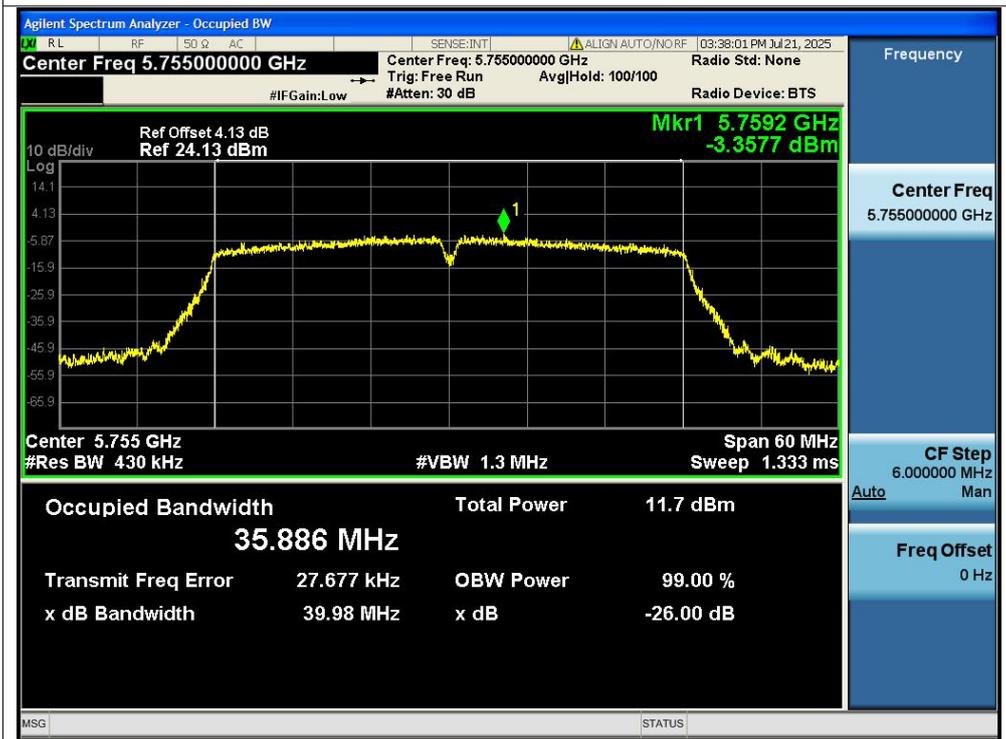
OBW NVNT ac40 5190MHz Ant1

OBW NVNT ac40 5230MHz Ant1
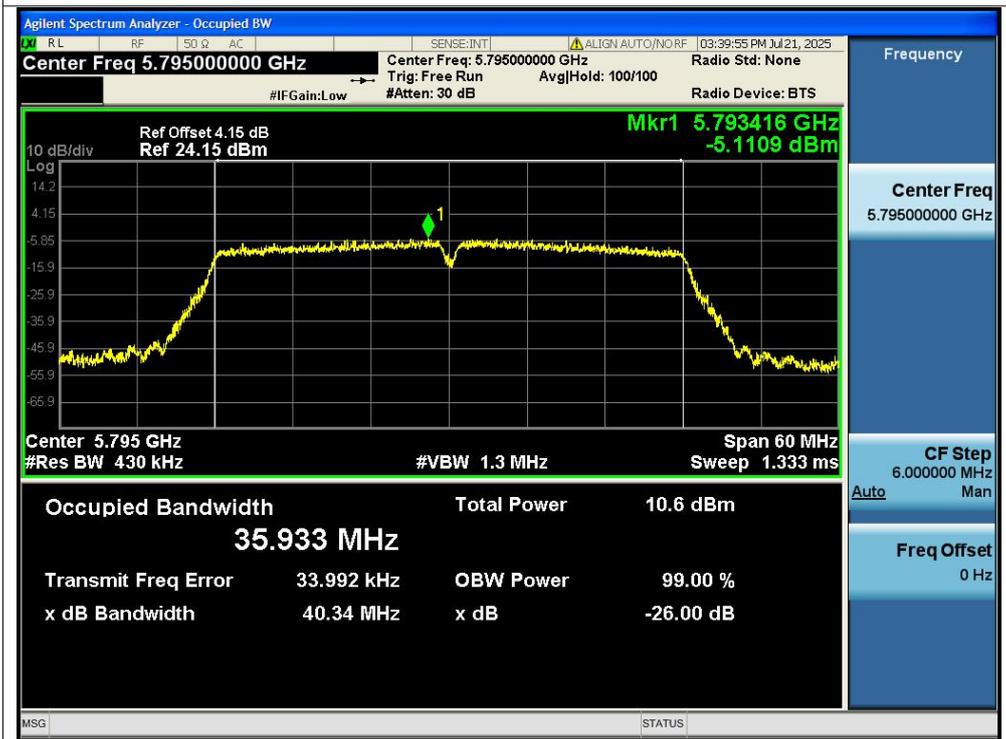
OBW NVNT ac40 5755MHz Ant1

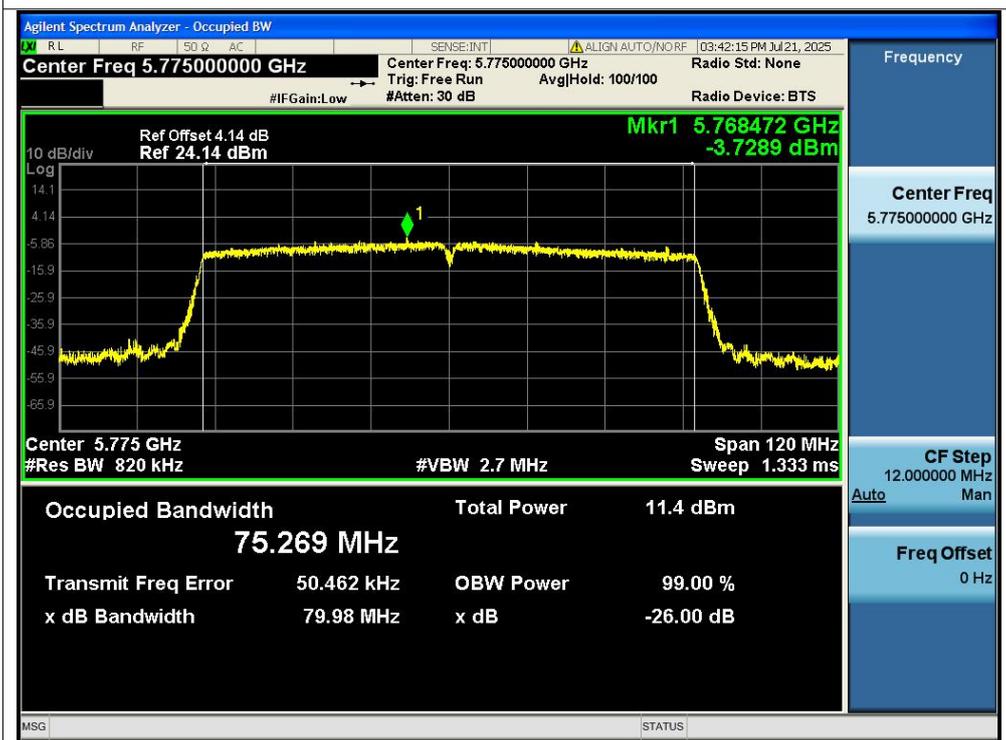
OBW NVNT ac40 5795MHz Ant1

OBW NVNT ac80 5210MHz Ant1

OBW NVNT ac80 5775MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	-3.02	0.11	-2.91	11	Pass
NVNT	a	5200	Ant1	-3.96	0.12	-3.84	11	Pass
NVNT	a	5240	Ant1	-4.38	0.11	-4.27	11	Pass
NVNT	n20	5180	Ant1	-4.32	0.12	-4.2	11	Pass
NVNT	n20	5200	Ant1	-4.31	0.12	-4.19	11	Pass
NVNT	n20	5240	Ant1	-4.46	0.12	-4.34	11	Pass
NVNT	n40	5190	Ant1	-7.46	0.22	-7.24	11	Pass
NVNT	n40	5230	Ant1	-6.88	0.23	-6.65	11	Pass
NVNT	ac20	5180	Ant1	-4.49	0.11	-4.38	11	Pass
NVNT	ac20	5200	Ant1	-4.52	0.12	-4.4	11	Pass
NVNT	ac20	5240	Ant1	-4.17	0.11	-4.06	11	Pass
NVNT	ac40	5190	Ant1	-7.85	0.23	-7.62	11	Pass
NVNT	ac40	5230	Ant1	-7.65	0.22	-7.43	11	Pass
NVNT	ac80	5210	Ant1	-10.36	0.43	-9.93	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/510KHz)	10log (500/510)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant1	-6.28	0.11	-6.17	-0.086	-6.26	30	Pass
NVNT	a	5785	Ant1	-7.22	0.11	-7.11	-0.086	-7.20	30	Pass
NVNT	a	5825	Ant1	-7.13	0.11	-7.02	-0.086	-7.11	30	Pass
NVNT	n20	5745	Ant1	-6.79	0.12	-6.67	-0.086	-6.76	30	Pass
NVNT	n20	5785	Ant1	-7.63	0.12	-7.51	-0.086	-7.60	30	Pass
NVNT	n20	5825	Ant1	-7.48	0.12	-7.36	-0.086	-7.45	30	Pass
NVNT	n40	5755	Ant1	-9.67	0.23	-9.44	-0.086	-9.53	30	Pass
NVNT	n40	5795	Ant1	-10.37	0.23	-10.14	-0.086	-10.23	30	Pass
NVNT	ac20	5745	Ant1	-7.14	0.11	-7.03	-0.086	-7.12	30	Pass
NVNT	ac20	5785	Ant1	-7.98	0.11	-7.87	-0.086	-7.96	30	Pass
NVNT	ac20	5825	Ant1	-7.94	0.11	-7.83	-0.086	-7.92	30	Pass
NVNT	ac40	5755	Ant1	-9.67	0.23	-9.44	-0.086	-9.53	30	Pass
NVNT	ac40	5795	Ant1	-10.92	0.22	-10.7	-0.086	-10.79	30	Pass
NVNT	ac80	5775	Ant1	-14.28	0.43	-13.85	-0.086	-13.94	30	Pass

Note：Total PSD=Conducted PSD + Duty factor+(10log(Test RBW/Limit RBW)

Test Graphs
PSD NVNT a 5180MHz Ant1
PSD NVNT a 5200MHz Ant1

PSD NVNT a 5240MHz Ant1

PSD NVNT a 5745MHz Ant1

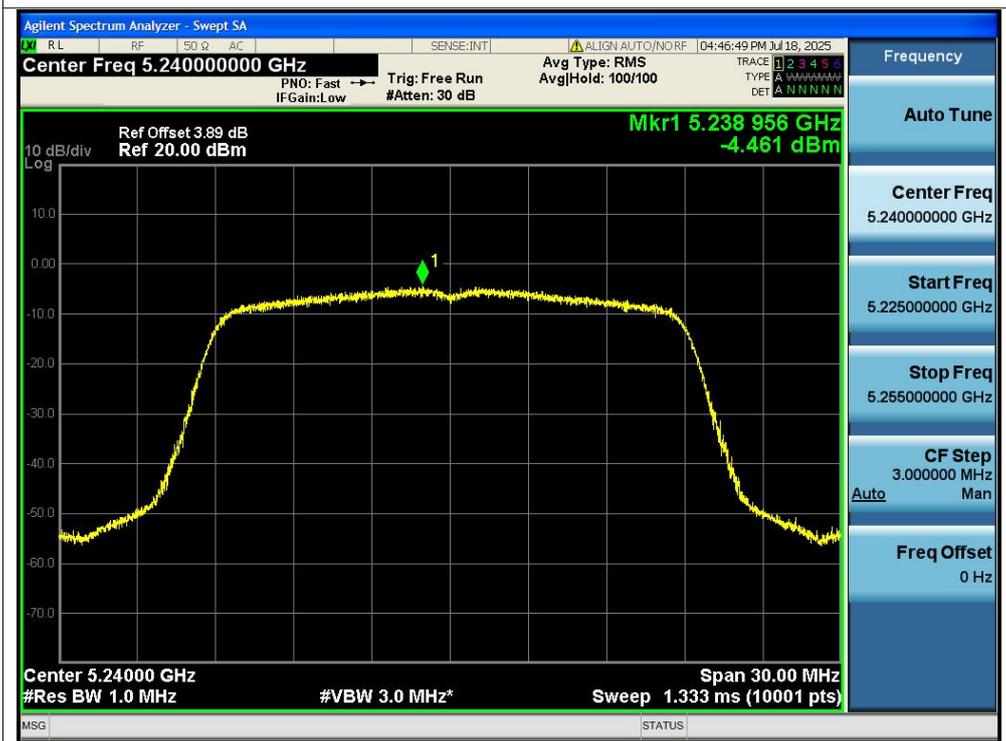| PSD NVNT a 5785MHz Ant1 |
|---|

PSD NVNT a 5825MHz Ant1

PSD NVNT n20 5180MHz Ant1

PSD NVNT n20 5200MHz Ant1

PSD NVNT n20 5240MHz Ant1

PSD NVNT n20 5745MHz Ant1

PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1

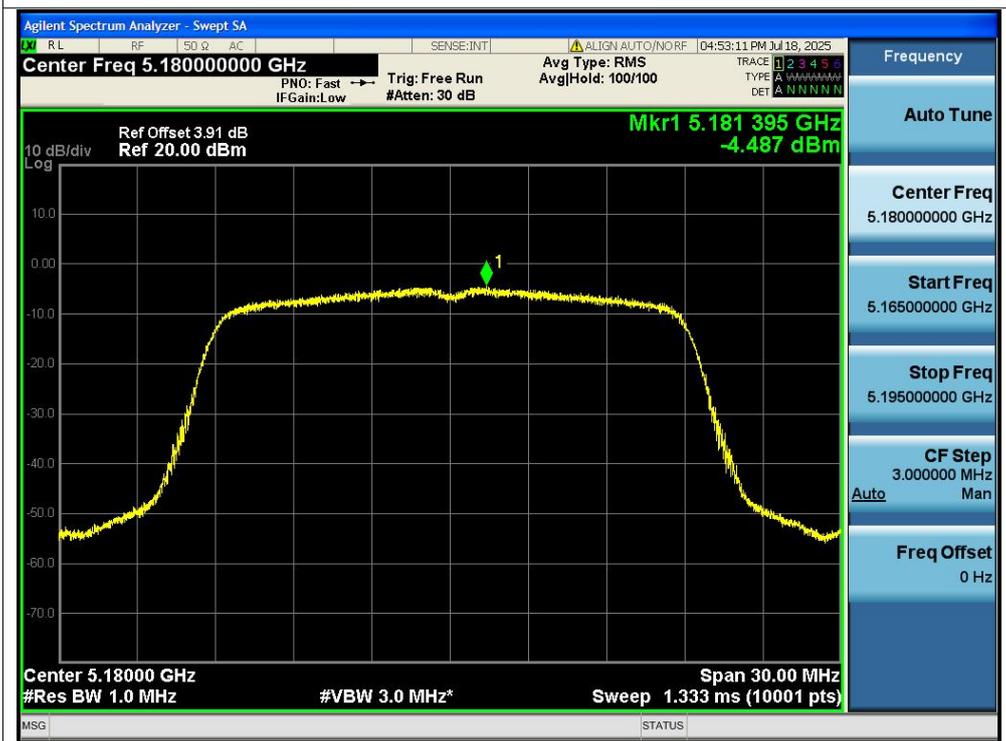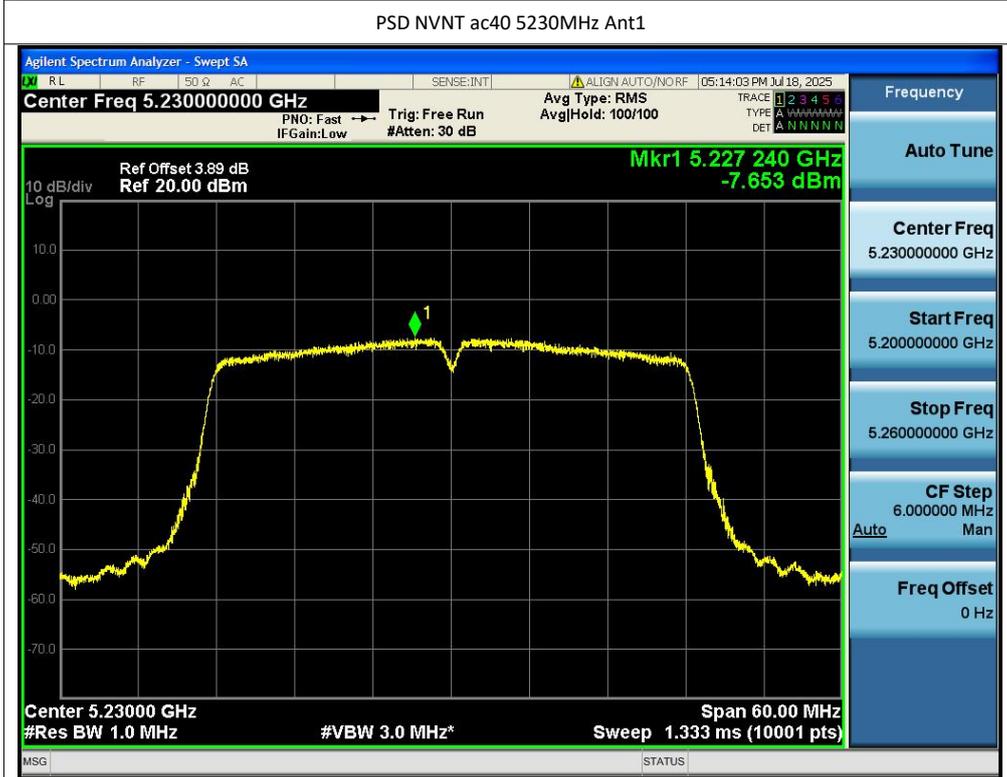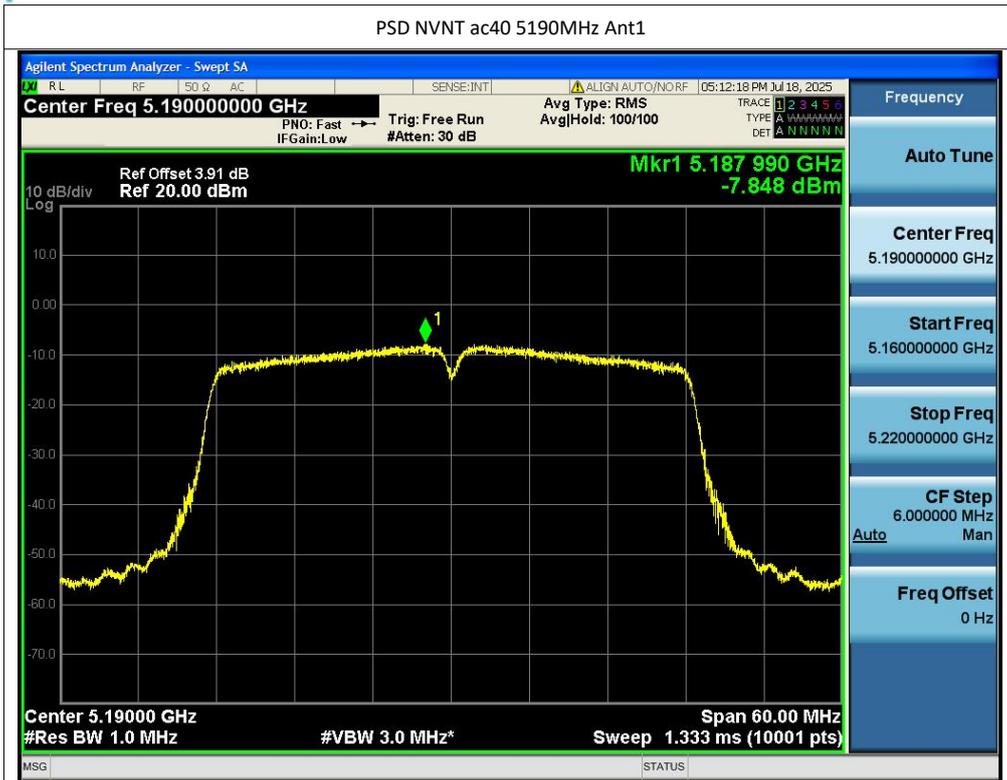PSD NVNT n40 5190MHz Ant1

PSD NVNT n40 5230MHz Ant1

PSD NVNT n40 5755MHz Ant1

PSD NVNT n40 5795MHz Ant1

PSD NVNT ac20 5180MHz Ant1

PSD NVNT ac20 5200MHz Ant1
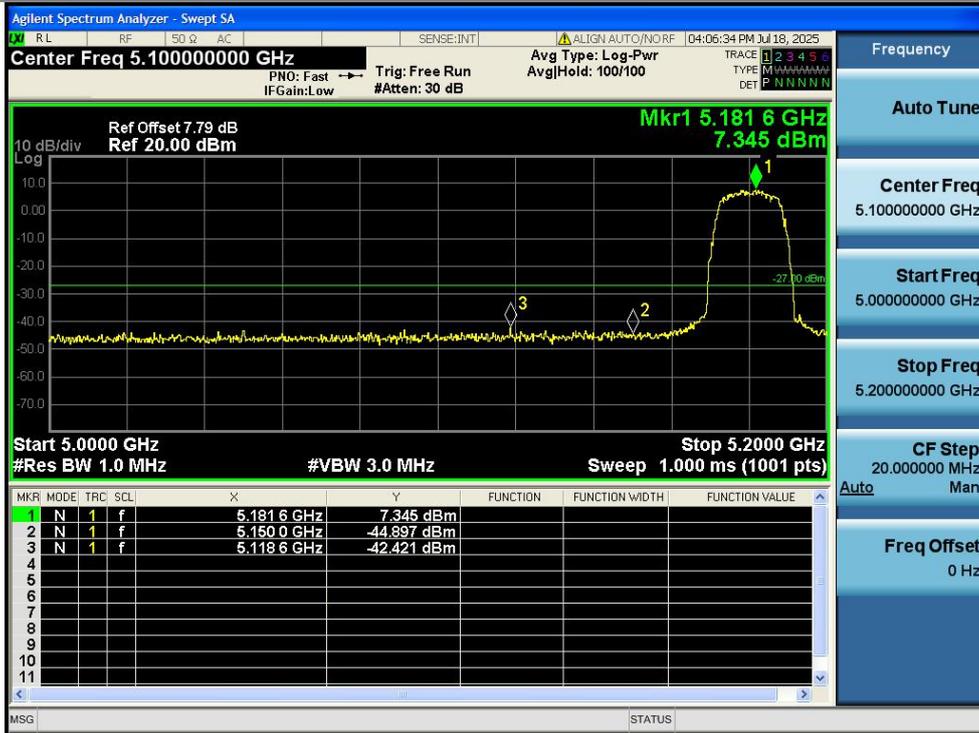
PSD NVNT ac20 5240MHz Ant1

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 5755MHz Ant1

PSD NVNT ac40 5795MHz Ant1

PSD NVNT ac80 5210MHz Ant1

PSD NVNT ac80 5775MHz Ant1

Band Edge

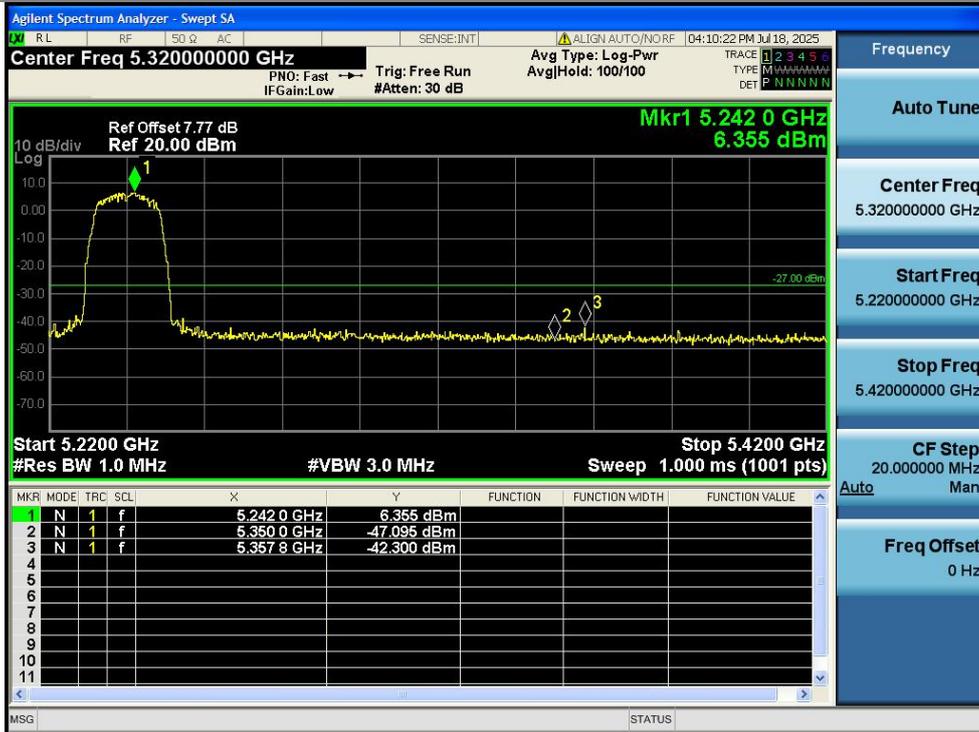| Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5180	Ant1	-42.42	Pass
NVNT	a	5240	Ant1	-42.3	Pass
NVNT	a	5745	Ant1	-42.99	Pass
NVNT	a	5825	Ant1	-43.75	Pass
NVNT	n20	5180	Ant1	-43.02	Pass
NVNT	n20	5240	Ant1	-43.29	Pass
NVNT	n20	5745	Ant1	-42.08	Pass
NVNT	n20	5825	Ant1	-43.74	Pass
NVNT	n40	5190	Ant1	-42.39	Pass
NVNT	n40	5230	Ant1	-43.4	Pass
NVNT	n40	5755	Ant1	-34.1	Pass
NVNT	n40	5795	Ant1	-43.66	Pass
NVNT	ac20	5180	Ant1	-42.81	Pass
NVNT	ac20	5240	Ant1	-43.16	Pass
NVNT	ac20	5745	Ant1	-43.1	Pass
NVNT	ac20	5825	Ant1	-43.4	Pass
NVNT	ac40	5190	Ant1	-43.11	Pass
NVNT	ac40	5230	Ant1	-43.49	Pass
NVNT	ac40	5755	Ant1	-39.63	Pass
NVNT	ac40	5795	Ant1	-43.27	Pass
NVNT	ac80	5775	Ant1	-39.38	Pass

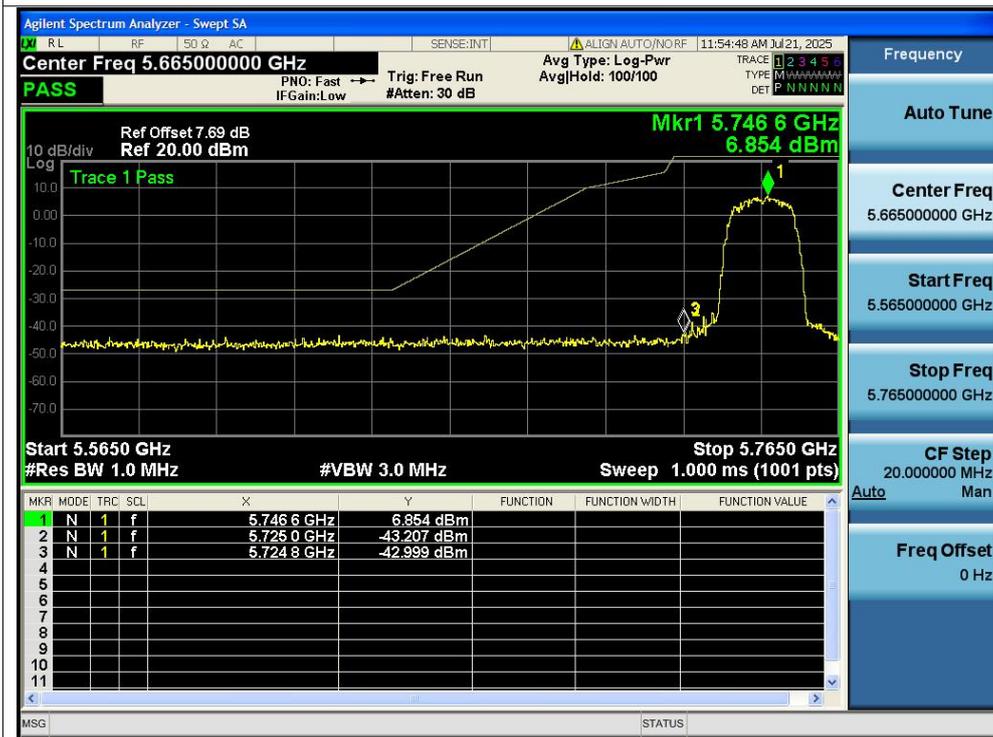| Test Graphs |
| --- |

Band Edge NVNT a 5180MHz Low Ant1
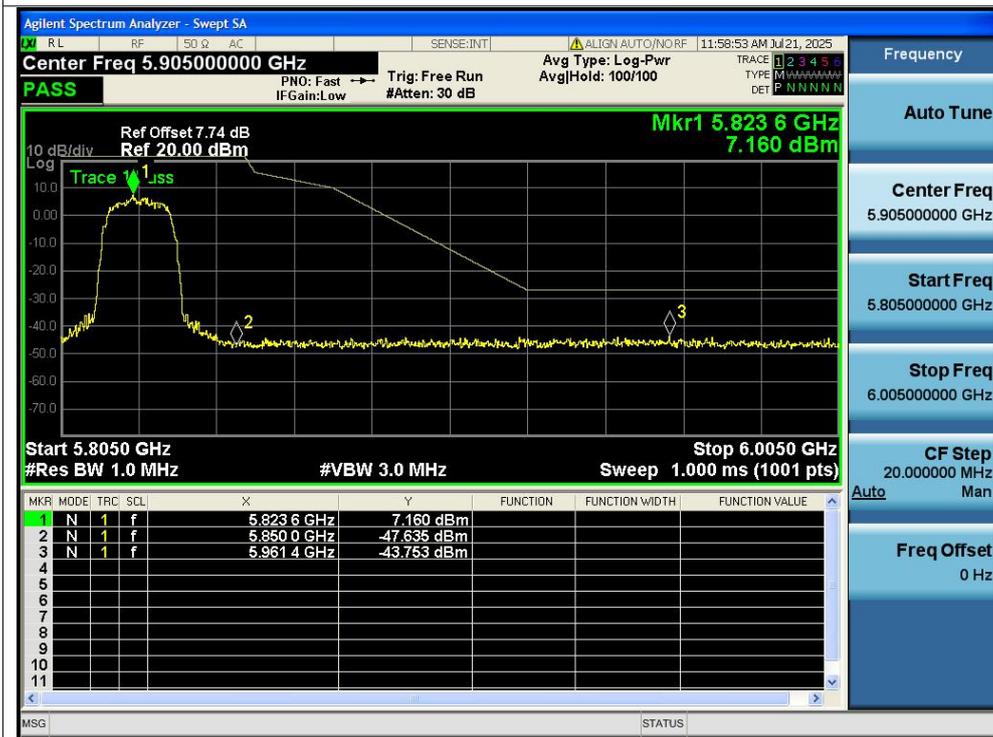

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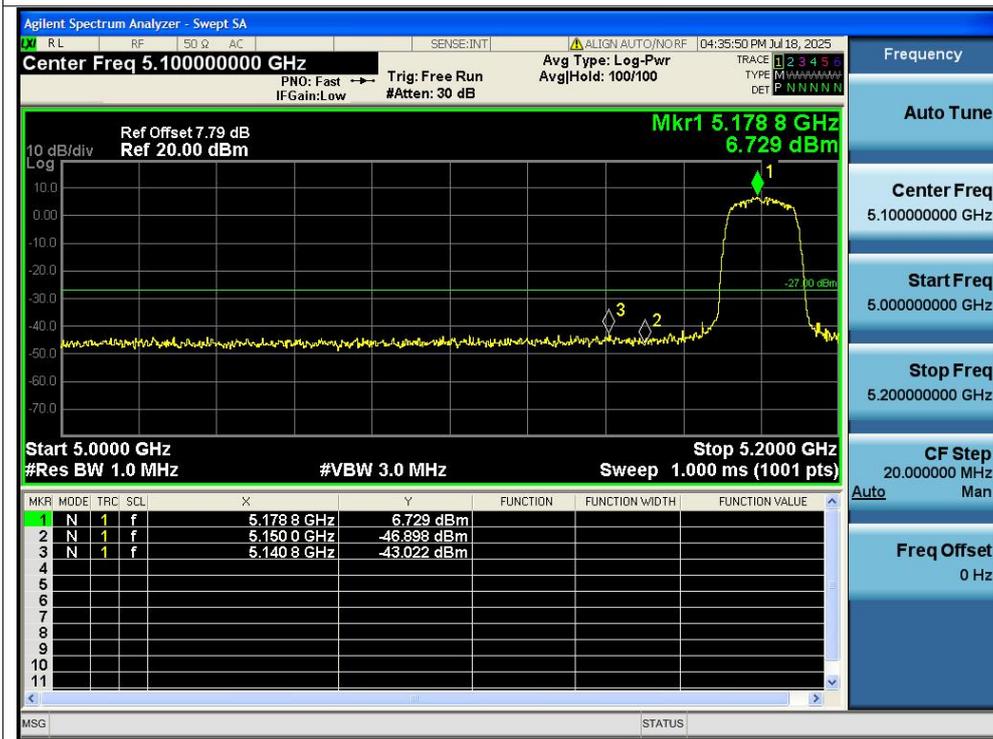
Band Edge NVNT a 5745MHz Low Ant1

Band Edge NVNT a 5825MHz High Ant1

Band Edge NVNT n20 5180MHz Low Ant1

Band Edge NVNT n20 5240MHz High Ant1