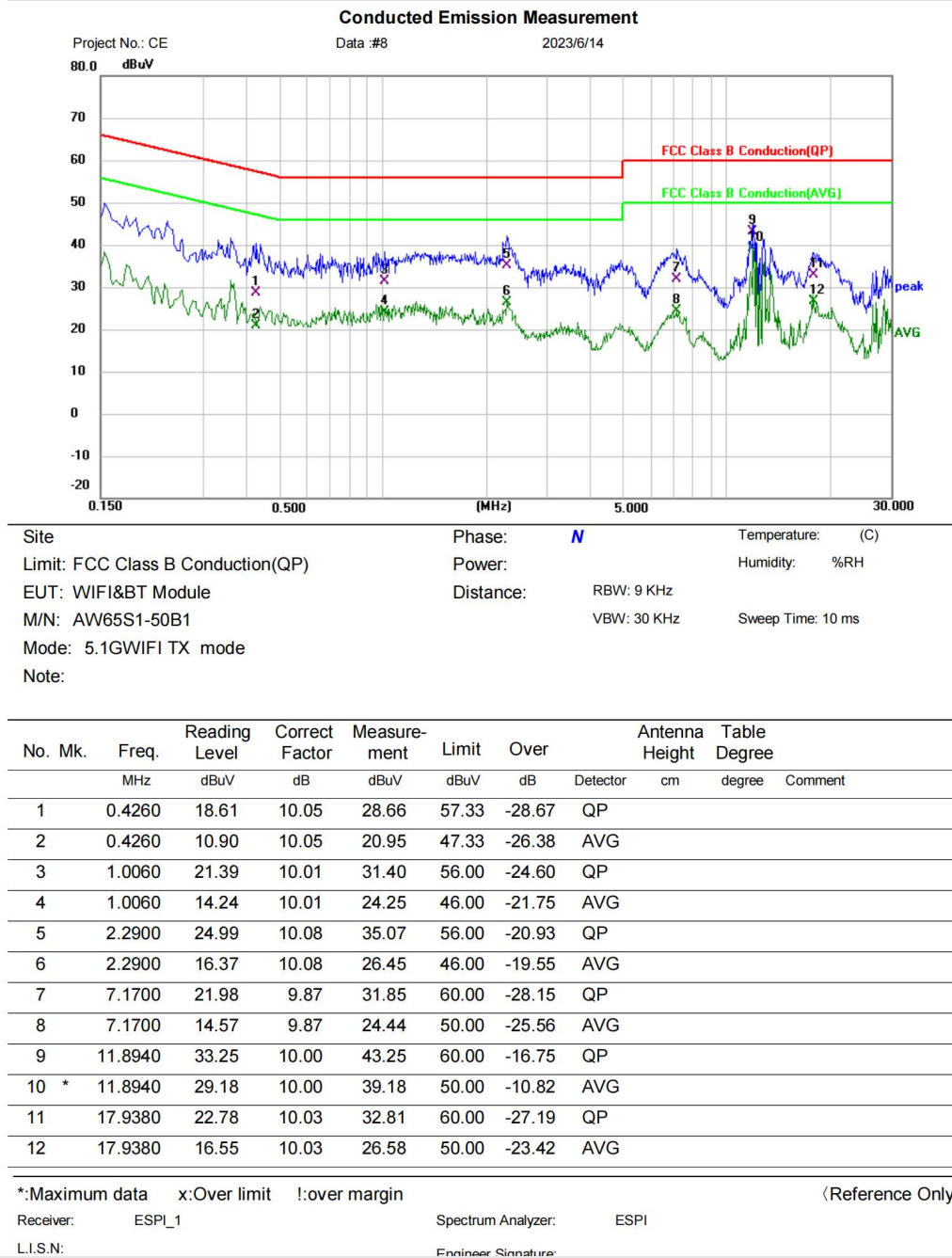


21.4 TEST DATA

[TestMode: Transmitting mode]; [Line: Nutral] ;[Power:AC120V/60Hz]



Test Result: Pass

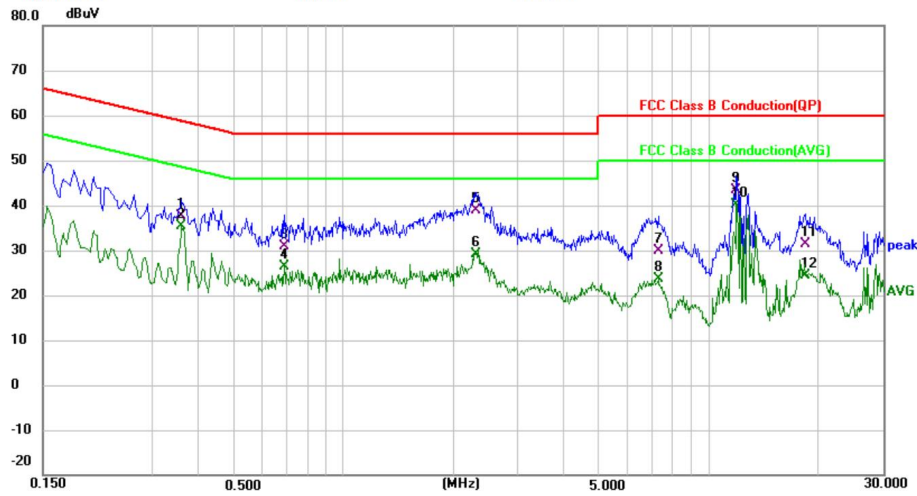
[TestMode: Transmitting mode]; [Line: Line] ;[Power:AC120V/60Hz]

Conducted Emission Measurement

Project No.: CE

Data :#7

2023/6/14



Site
Limit: FCC Class B Conduction(QP)
EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5.1GWIFI TX mode
Note:

Phase: **L1** Temperature: (C)
Power: Humidity: %RH
Distance: RBW: 9 KHz
VBW: 30 KHz Sweep Time: 10 ms

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	dBuV	Factor	ment	dBuV	dB	Height	Degree	Comment
				dB	dBuV	dBuV	dB	cm	degree	
1		0.3580	27.64	10.07	37.71	58.77	-21.06	QP		
2		0.3580	25.31	10.07	35.38	48.77	-13.39	AVG		
3		0.6860	20.73	10.09	30.82	56.00	-25.18	QP		
4		0.6860	16.32	10.09	26.41	46.00	-19.59	AVG		
5		2.3060	28.54	10.28	38.82	56.00	-17.18	QP		
6		2.3060	18.95	10.28	29.23	46.00	-16.77	AVG		
7		7.2780	19.80	10.08	29.88	60.00	-30.12	QP		
8		7.2780	13.56	10.08	23.64	50.00	-26.36	AVG		
9		11.8940	33.25	10.08	43.33	60.00	-16.67	QP		
10	*	11.8940	30.06	10.08	40.14	50.00	-9.86	AVG		
11		18.3660	21.27	9.99	31.26	60.00	-28.74	QP		
12		18.3660	14.37	9.99	24.36	50.00	-25.64	AVG		

*:Maximum data x:Over limit !:over margin

<Reference Only

Receiver: ESPI_1

Spectrum Analyzer: ESPI

L.I.S.N:

Engineer Signature:

Test Result: Pass

Remark:

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

BlueAsia

22 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	N/A

22.1 CONCLUSION

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The best case gain of the antenna is 3dBi.

23 APPENDIX

23.1 802.11A/N/AC:

23.1.1 Maximum Conducted Output Power

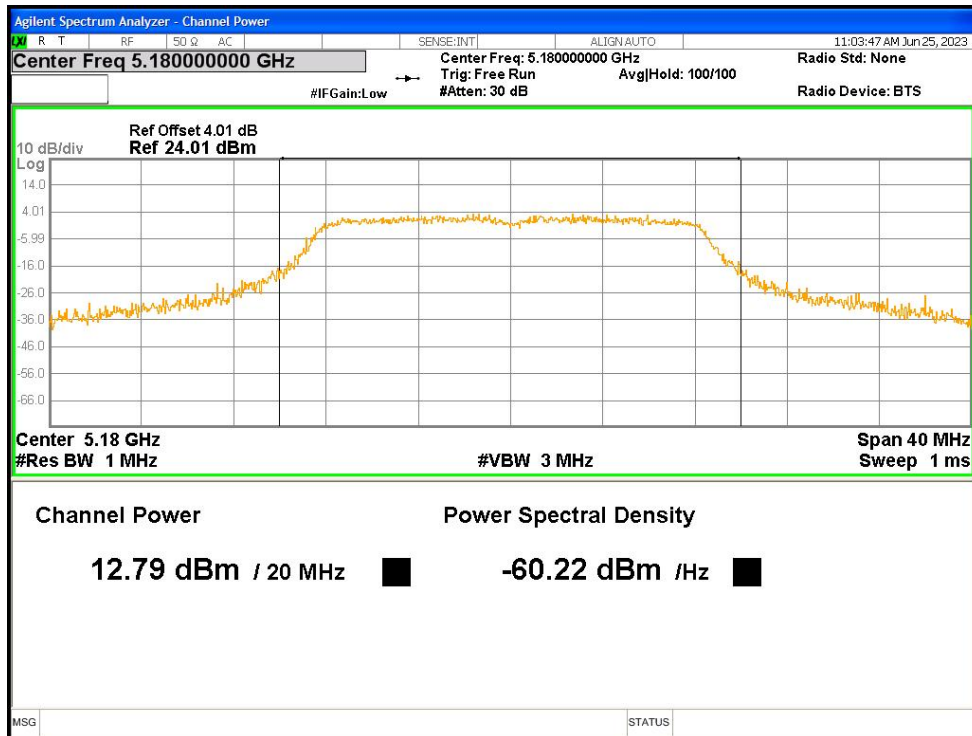
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.789	24	Pass
NVNT	a	5200	Ant1	12.642	24	Pass
NVNT	a	5240	Ant1	12.069	24	Pass
NVNT	a	5260	Ant1	12.403	24	Pass
NVNT	a	5280	Ant1	12.957	24	Pass
NVNT	a	5320	Ant1	12.467	24	Pass
NVNT	a	5500	Ant1	13.095	24	Pass
NVNT	a	5600	Ant1	12.236	24	Pass
NVNT	a	5700	Ant1	12.268	24	Pass
NVNT	a	5745	Ant1	12.773	30	Pass
NVNT	a	5785	Ant1	12.441	30	Pass
NVNT	a	5825	Ant1	12.456	30	Pass
NVNT	a	5180	Ant2	13.23	24	Pass
NVNT	a	5200	Ant2	11.997	24	Pass
NVNT	a	5240	Ant2	12.308	24	Pass
NVNT	a	5260	Ant2	12.455	24	Pass
NVNT	a	5280	Ant2	12.028	24	Pass
NVNT	a	5320	Ant2	12	24	Pass
NVNT	a	5500	Ant2	12.922	24	Pass
NVNT	a	5600	Ant2	13.478	24	Pass
NVNT	a	5700	Ant2	13.756	24	Pass
NVNT	a	5745	Ant2	12.968	30	Pass
NVNT	a	5785	Ant2	13.75	30	Pass
NVNT	a	5825	Ant2	13.918	30	Pass
NVNT	ac20	5180	Ant1	11.797	23.99	Pass
NVNT	ac20	5180	Ant2	16.186	23.99	Pass
NVNT	ac20	5180	Sum	17.534	23.99	Pass
NVNT	ac20	5200	Ant1	11.347	23.99	Pass
NVNT	ac20	5200	Ant2	14.444	23.99	Pass
NVNT	ac20	5200	Sum	16.176	23.99	Pass
NVNT	ac20	5240	Ant1	11.049	23.99	Pass
NVNT	ac20	5240	Ant2	12.881	23.99	Pass
NVNT	ac20	5240	Sum	15.071	23.99	Pass
NVNT	ac20	5260	Ant1	11.626	23.99	Pass
NVNT	ac20	5260	Ant2	12.918	23.99	Pass
NVNT	ac20	5260	Sum	15.33	23.99	Pass
NVNT	ac20	5280	Ant1	11.417	23.99	Pass
NVNT	ac20	5280	Ant2	12.468	23.99	Pass
NVNT	ac20	5280	Sum	14.985	23.99	Pass
NVNT	ac20	5320	Ant1	11.411	23.99	Pass

NVNT	ac20	5320	Ant2	11.162	23.99	Pass
NVNT	ac20	5320	Sum	14.299	23.99	Pass
NVNT	ac20	5500	Ant1	12.028	23.99	Pass
NVNT	ac20	5500	Ant2	11.933	23.99	Pass
NVNT	ac20	5500	Sum	14.991	23.99	Pass
NVNT	ac20	5600	Ant1	12.199	23.99	Pass
NVNT	ac20	5600	Ant2	11.531	23.99	Pass
NVNT	ac20	5600	Sum	14.888	23.99	Pass
NVNT	ac20	5700	Ant1	11.81	23.99	Pass
NVNT	ac20	5700	Ant2	12.141	23.99	Pass
NVNT	ac20	5700	Sum	14.989	23.99	Pass
NVNT	ac20	5745	Ant1	11.829	29.99	Pass
NVNT	ac20	5745	Ant2	11.69	29.99	Pass
NVNT	ac20	5745	Sum	14.77	29.99	Pass
NVNT	ac20	5785	Ant1	12.175	29.99	Pass
NVNT	ac20	5785	Ant2	11.213	29.99	Pass
NVNT	ac20	5785	Sum	14.731	29.99	Pass
NVNT	ac20	5825	Ant1	12.431	29.99	Pass
NVNT	ac20	5825	Ant2	11.561	29.99	Pass
NVNT	ac20	5825	Sum	15.028	29.99	Pass
NVNT	ac40	5190	Ant1	11.818	23.99	Pass
NVNT	ac40	5190	Ant2	16.99	23.99	Pass
NVNT	ac40	5190	Sum	18.143	23.99	Pass
NVNT	ac40	5230	Ant1	11.89	23.99	Pass
NVNT	ac40	5230	Ant2	15.475	23.99	Pass
NVNT	ac40	5230	Sum	17.053	23.99	Pass
NVNT	ac40	5270	Ant1	11.072	23.99	Pass
NVNT	ac40	5270	Ant2	13.69	23.99	Pass
NVNT	ac40	5270	Sum	15.586	23.99	Pass
NVNT	ac40	5310	Ant1	11.347	23.99	Pass
NVNT	ac40	5310	Ant2	13.208	23.99	Pass
NVNT	ac40	5310	Sum	15.387	23.99	Pass
NVNT	ac40	5510	Ant1	11.681	23.99	Pass
NVNT	ac40	5510	Ant2	12.213	23.99	Pass
NVNT	ac40	5510	Sum	14.965	23.99	Pass
NVNT	ac40	5570	Ant1	11.078	23.99	Pass
NVNT	ac40	5570	Ant2	12.194	23.99	Pass
NVNT	ac40	5570	Sum	14.682	23.99	Pass
NVNT	ac40	5670	Ant1	11.592	23.99	Pass
NVNT	ac40	5670	Ant2	12.674	23.99	Pass
NVNT	ac40	5670	Sum	15.177	23.99	Pass
NVNT	ac40	5755	Ant1	11.234	29.99	Pass
NVNT	ac40	5755	Ant2	11.924	29.99	Pass
NVNT	ac40	5755	Sum	14.603	29.99	Pass
NVNT	ac40	5795	Ant1	11.343	29.99	Pass
NVNT	ac40	5795	Ant2	11.089	29.99	Pass
NVNT	ac40	5795	Sum	14.228	29.99	Pass

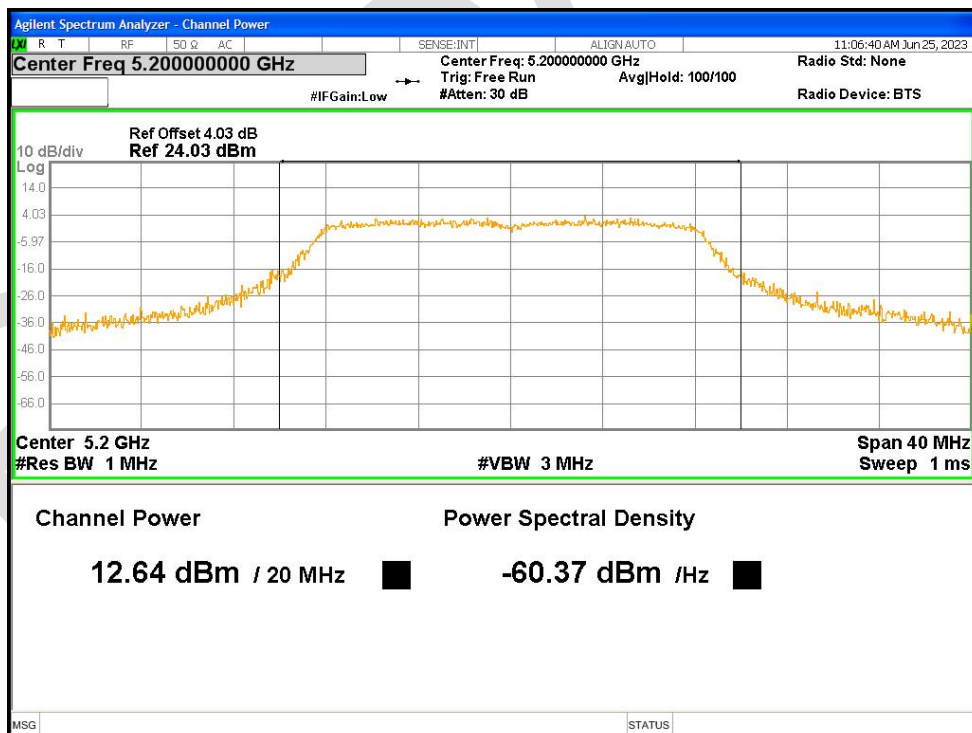
NVNT	ac80	5210	Ant1	11.598	23.99	Pass
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NVNT	ac80	5210	Sum	16.919	23.99	Pass
NVNT	ac80	5290	Ant1	11.751	23.99	Pass
NVNT	ac80	5290	Ant2	14.197	23.99	Pass
NVNT	ac80	5290	Sum	16.154	23.99	Pass
NVNT	ac80	5530	Ant1	11.144	23.99	Pass
NVNT	ac80	5530	Ant2	11.994	23.99	Pass
NVNT	ac80	5530	Sum	14.6	23.99	Pass
NVNT	ac80	5610	Ant1	11.925	23.99	Pass
NVNT	ac80	5610	Ant2	11.799	23.99	Pass
NVNT	ac80	5610	Sum	14.873	23.99	Pass
NVNT	ac80	5775	Ant1	11.062	29.99	Pass
NVNT	ac80	5775	Ant2	11.785	29.99	Pass
NVNT	ac80	5775	Sum	14.449	29.99	Pass
NVNT	n20	5180	Ant1	12.813	23.99	Pass
NVNT	n20	5180	Ant2	14.739	23.99	Pass
NVNT	n20	5180	Sum	16.892	23.99	Pass
NVNT	n20	5200	Ant1	12.38	23.99	Pass
NVNT	n20	5200	Ant2	13.366	23.99	Pass
NVNT	n20	5200	Sum	15.911	23.99	Pass
NVNT	n20	5240	Ant1	12.965	23.99	Pass
NVNT	n20	5240	Ant2	12.937	23.99	Pass
NVNT	n20	5240	Sum	15.961	23.99	Pass
NVNT	n20	5260	Ant1	12.241	23.99	Pass
NVNT	n20	5260	Ant2	12.04	23.99	Pass
NVNT	n20	5260	Sum	15.152	23.99	Pass
NVNT	n20	5280	Ant1	12.005	23.99	Pass
NVNT	n20	5280	Ant2	12.594	23.99	Pass
NVNT	n20	5280	Sum	15.32	23.99	Pass
NVNT	n20	5320	Ant1	13.106	23.99	Pass
NVNT	n20	5320	Ant2	13.408	23.99	Pass
NVNT	n20	5320	Sum	16.27	23.99	Pass
NVNT	n20	5500	Ant1	13.298	23.99	Pass
NVNT	n20	5500	Ant2	12.871	23.99	Pass
NVNT	n20	5500	Sum	16.1	23.99	Pass
NVNT	n20	5600	Ant1	12.993	23.99	Pass
NVNT	n20	5600	Ant2	12.049	23.99	Pass
NVNT	n20	5600	Sum	15.557	23.99	Pass
NVNT	n20	5700	Ant1	12.1	23.99	Pass
NVNT	n20	5700	Ant2	12.454	23.99	Pass
NVNT	n20	5700	Sum	15.291	23.99	Pass
NVNT	n20	5745	Ant1	12.089	29.99	Pass
NVNT	n20	5745	Ant2	12.152	29.99	Pass
NVNT	n20	5745	Sum	15.131	29.99	Pass
NVNT	n20	5785	Ant1	13.43	29.99	Pass
NVNT	n20	5785	Ant2	12.088	29.99	Pass

NVNT	n20	5785	Sum	15.821	29.99	Pass
NVNT	n20	5825	Ant1	13.692	29.99	Pass
NVNT	n20	5825	Ant2	12.77	29.99	Pass
NVNT	n20	5825	Sum	16.266	29.99	Pass
NVNT	n40	5190	Ant1	12.531	23.99	Pass
NVNT	n40	5190	Ant2	16.67	23.99	Pass
NVNT	n40	5190	Sum	18.086	23.99	Pass
NVNT	n40	5230	Ant1	12.751	23.99	Pass
NVNT	n40	5230	Ant2	14.844	23.99	Pass
NVNT	n40	5230	Sum	16.933	23.99	Pass
NVNT	n40	5270	Ant1	12.83	23.99	Pass
NVNT	n40	5270	Ant2	13.731	23.99	Pass
NVNT	n40	5270	Sum	16.314	23.99	Pass
NVNT	n40	5310	Ant1	12.896	23.99	Pass
NVNT	n40	5310	Ant2	14.259	23.99	Pass
NVNT	n40	5310	Sum	16.641	23.99	Pass
NVNT	n40	5510	Ant1	12.417	23.99	Pass
NVNT	n40	5510	Ant2	12.178	23.99	Pass
NVNT	n40	5510	Sum	15.309	23.99	Pass
NVNT	n40	5570	Ant1	12.767	23.99	Pass
NVNT	n40	5570	Ant2	13.633	23.99	Pass
NVNT	n40	5570	Sum	16.232	23.99	Pass
NVNT	n40	5670	Ant1	12.097	23.99	Pass
NVNT	n40	5670	Ant2	13.069	23.99	Pass
NVNT	n40	5670	Sum	15.62	23.99	Pass
NVNT	n40	5755	Ant1	12.127	29.99	Pass
NVNT	n40	5755	Ant2	12.336	29.99	Pass
NVNT	n40	5755	Sum	15.243	29.99	Pass
NVNT	n40	5795	Ant1	13.155	29.99	Pass
NVNT	n40	5795	Ant2	12.856	29.99	Pass
NVNT	n40	5795	Sum	16.018	29.99	Pass

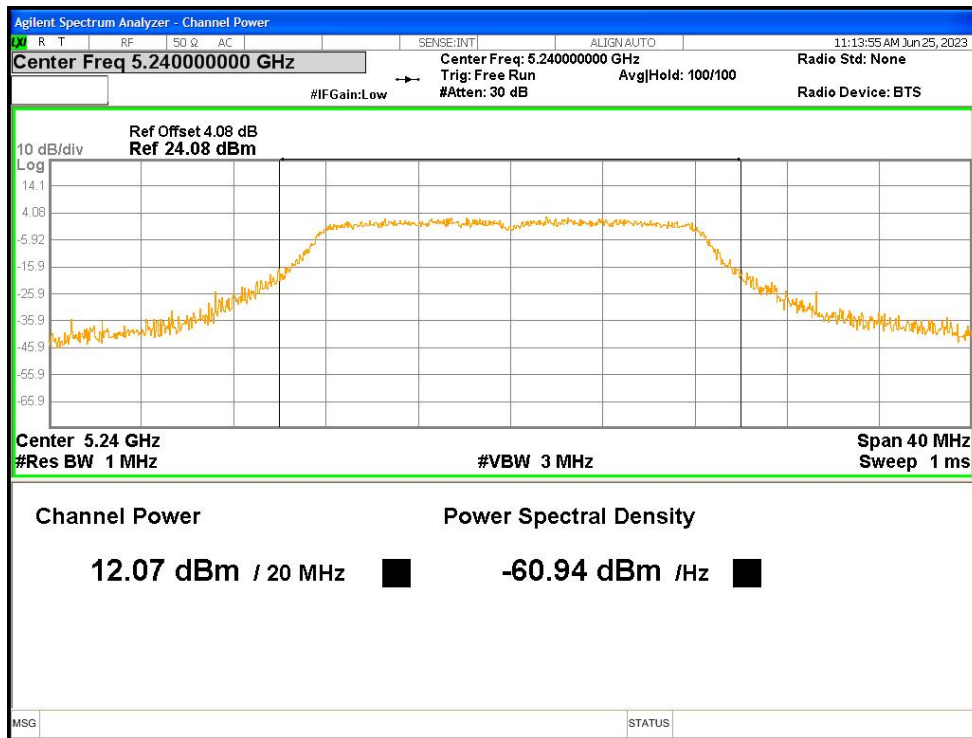
Power NVNT a 5180MHz Ant1



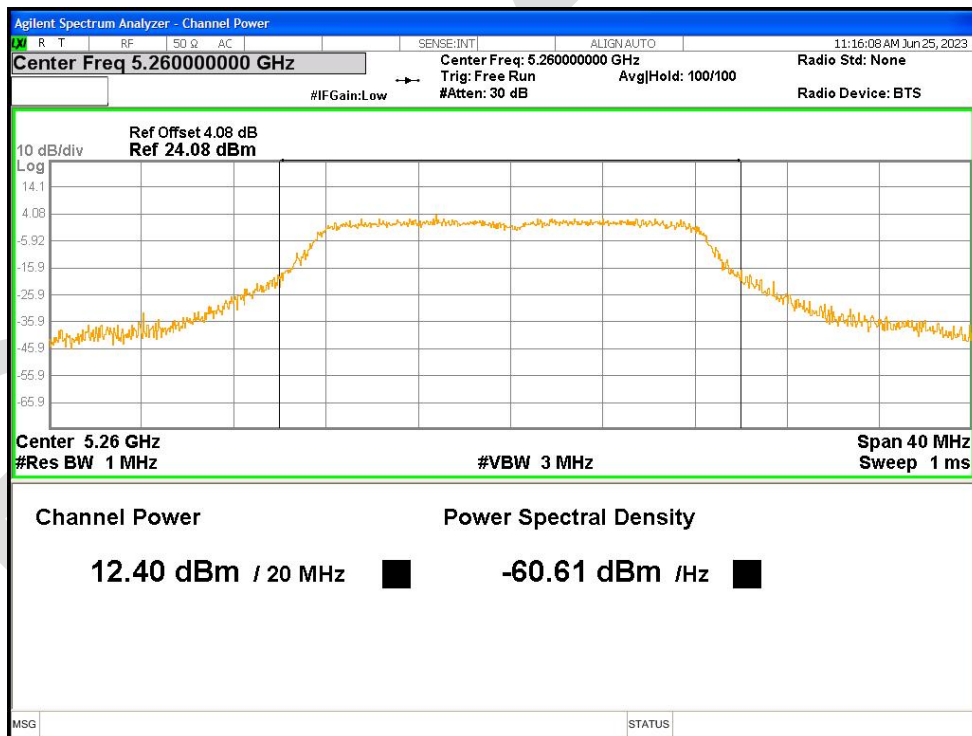
Power NVNT a 5200MHz Ant1



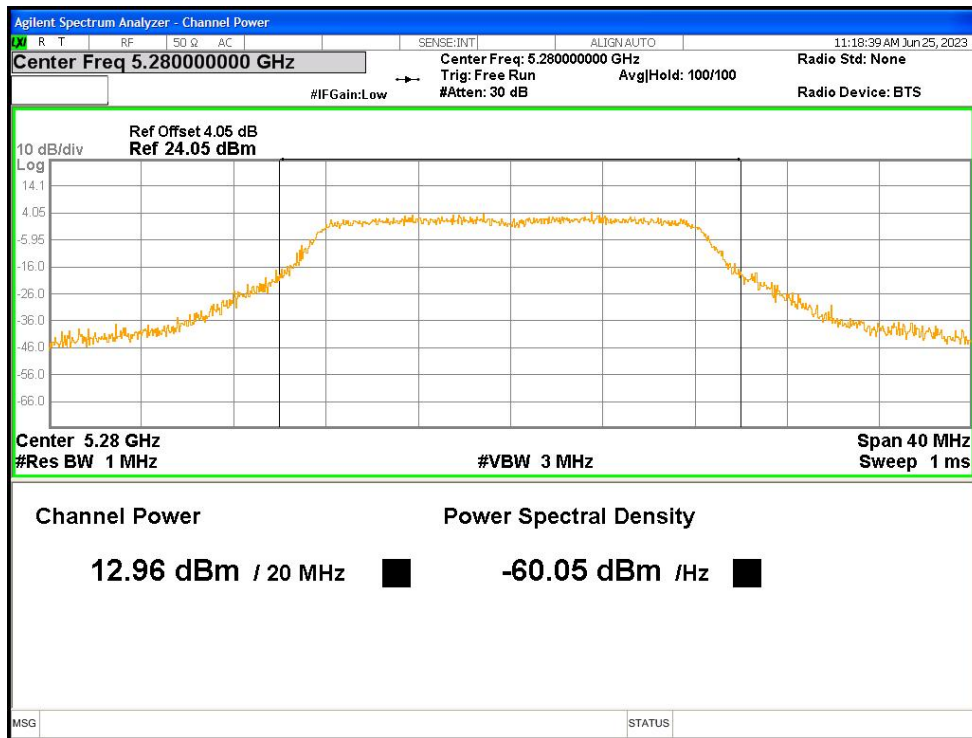
Power NVNT a 5240MHz Ant1



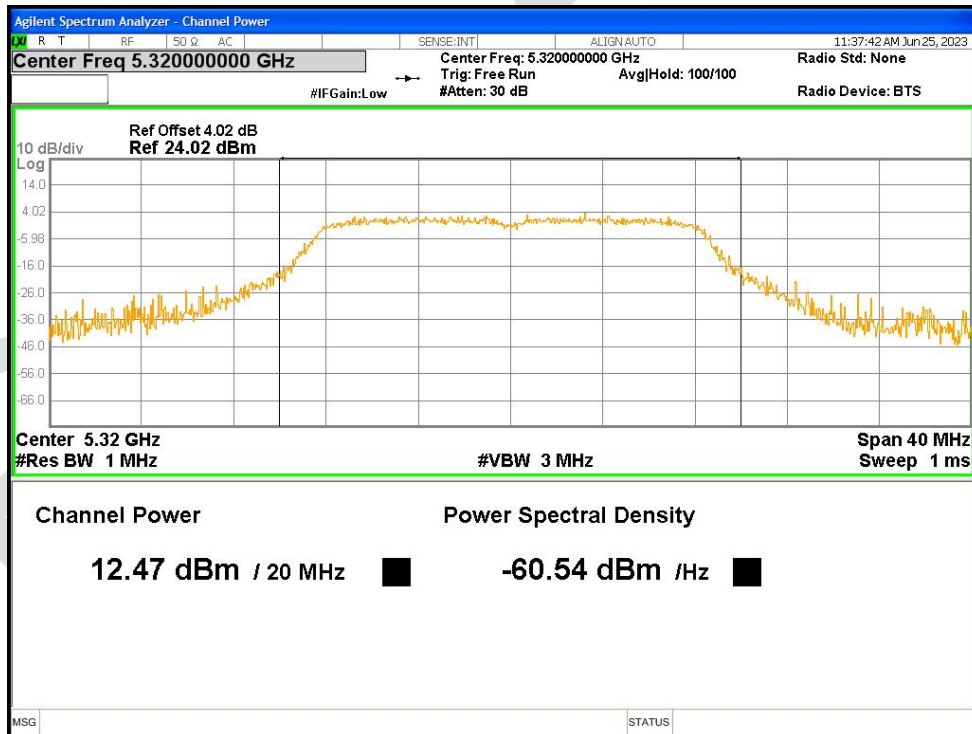
Power NVNT a 5260MHz Ant1



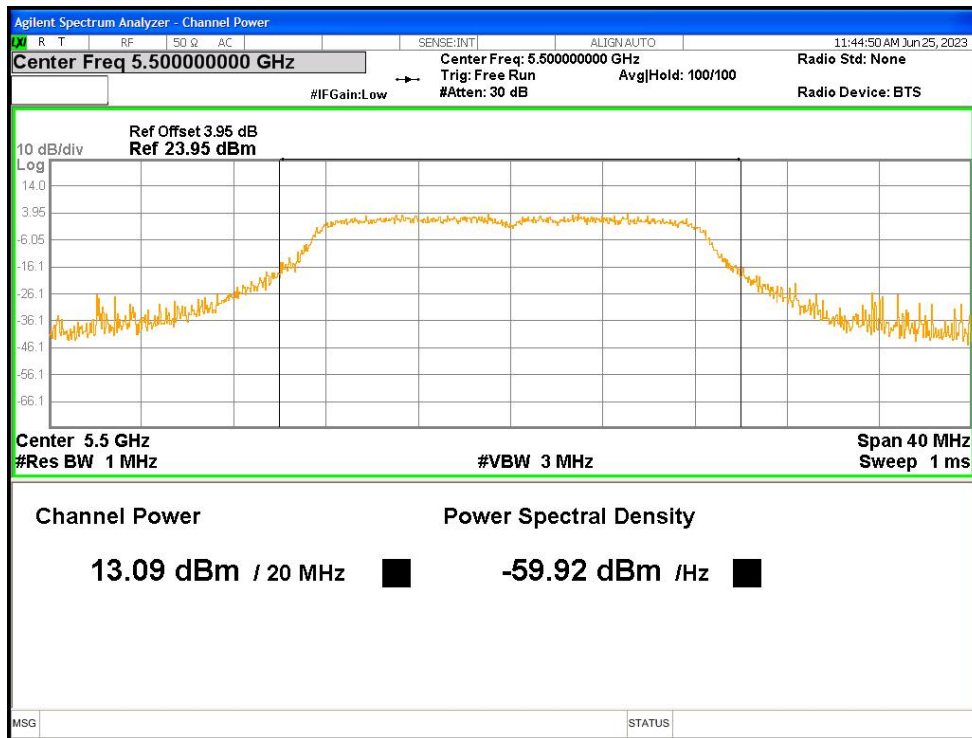
Power NVNT a 5280MHz Ant1



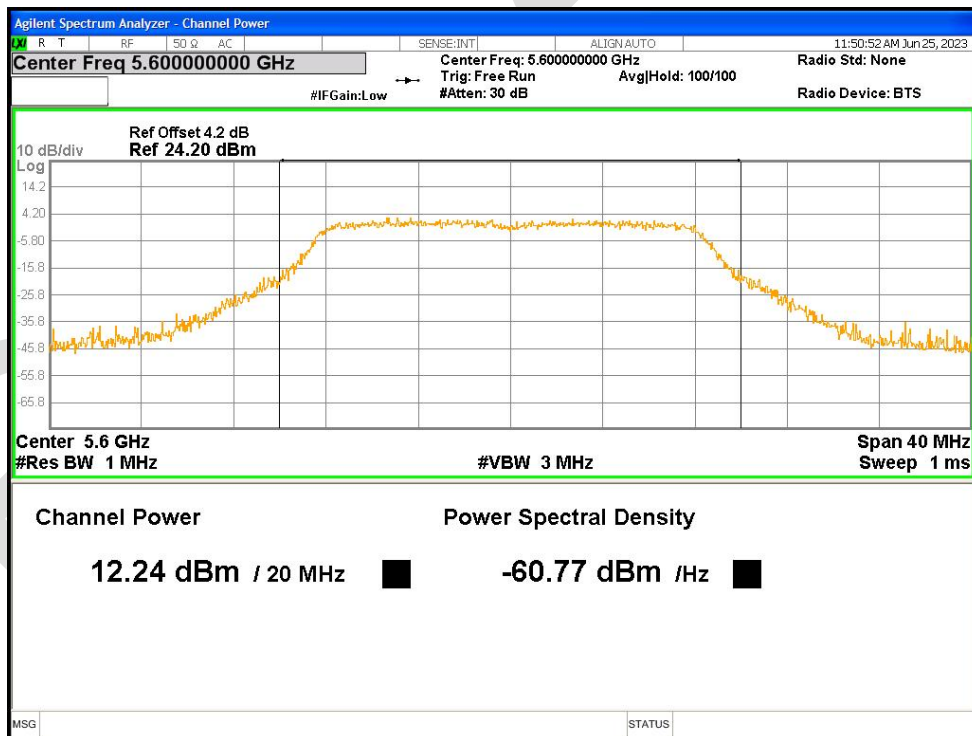
Power NVNT a 5320MHz Ant1



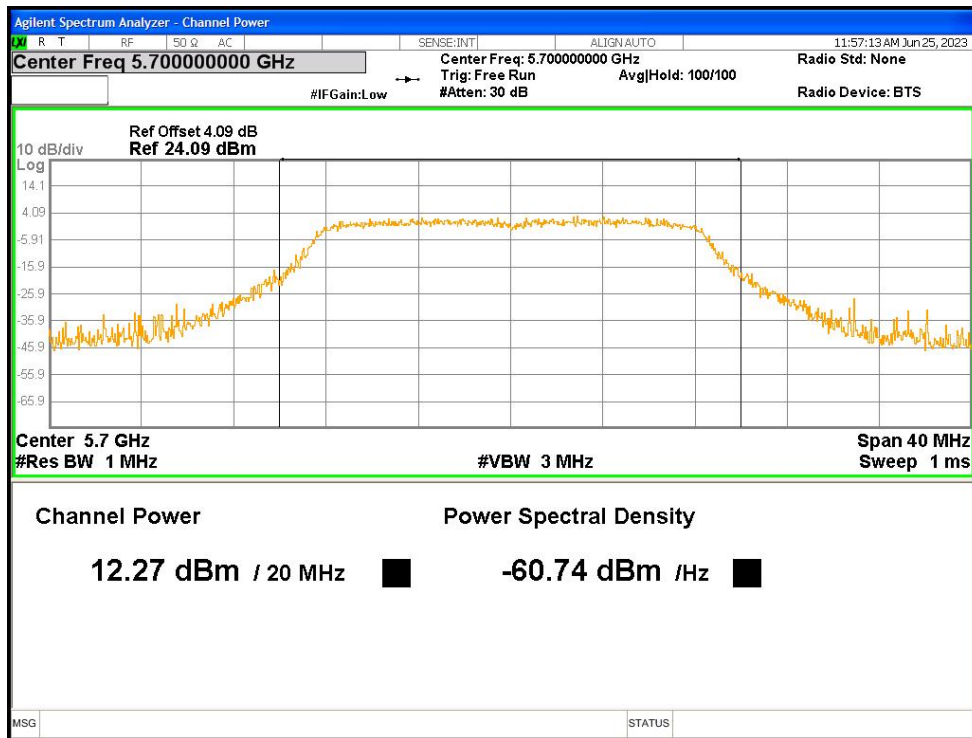
Power NVNT a 5500MHz Ant1



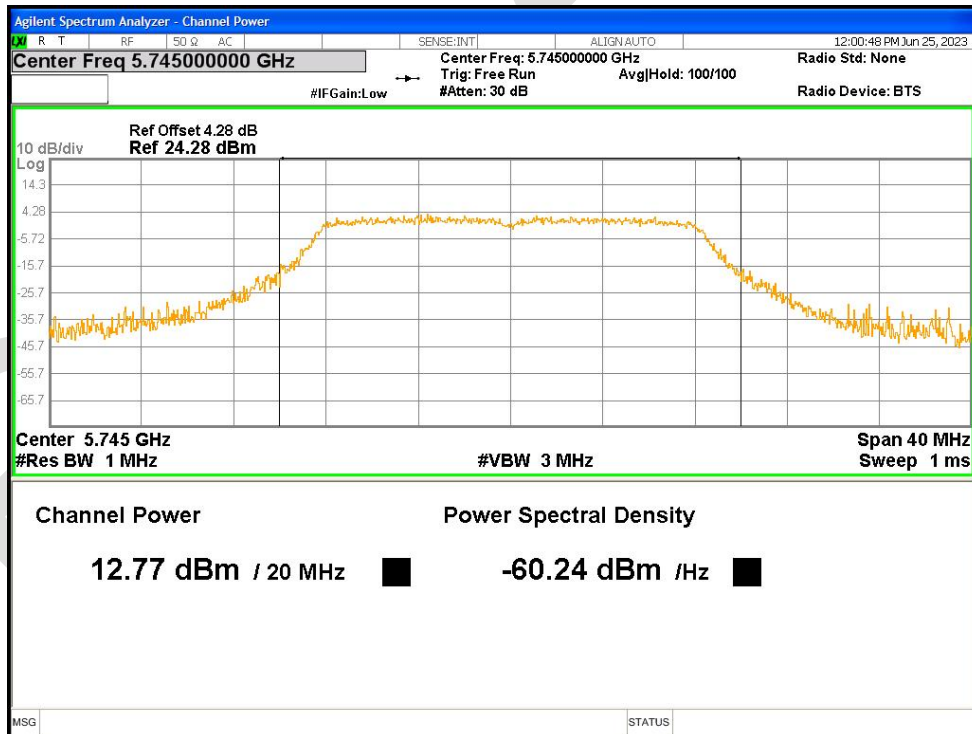
Power NVNT a 5600MHz Ant1



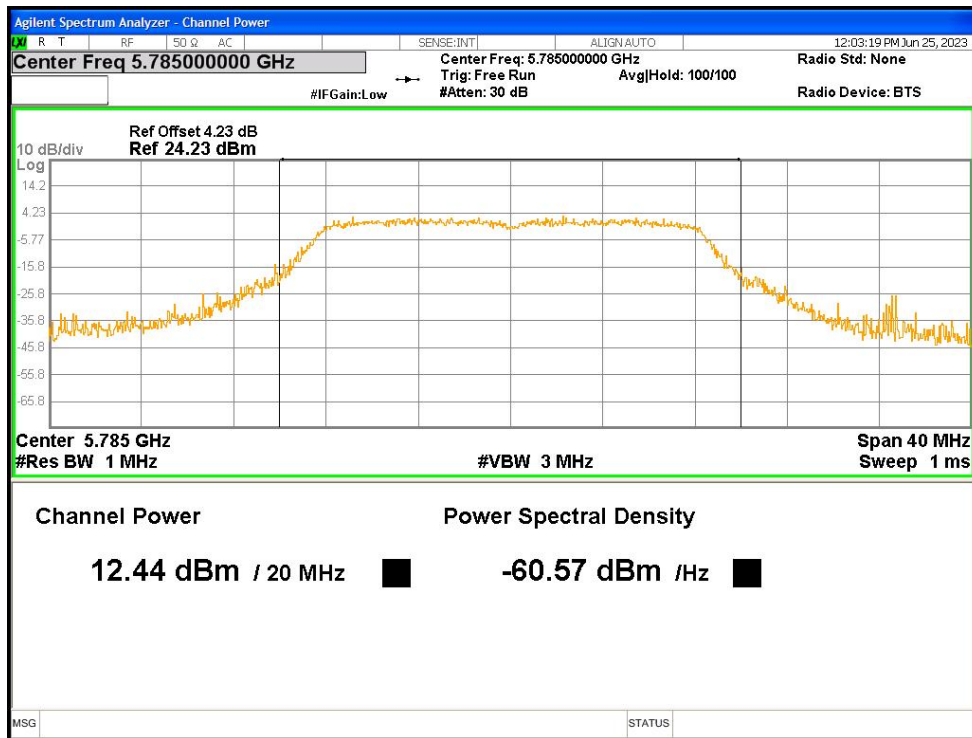
Power NVNT a 5700MHz Ant1



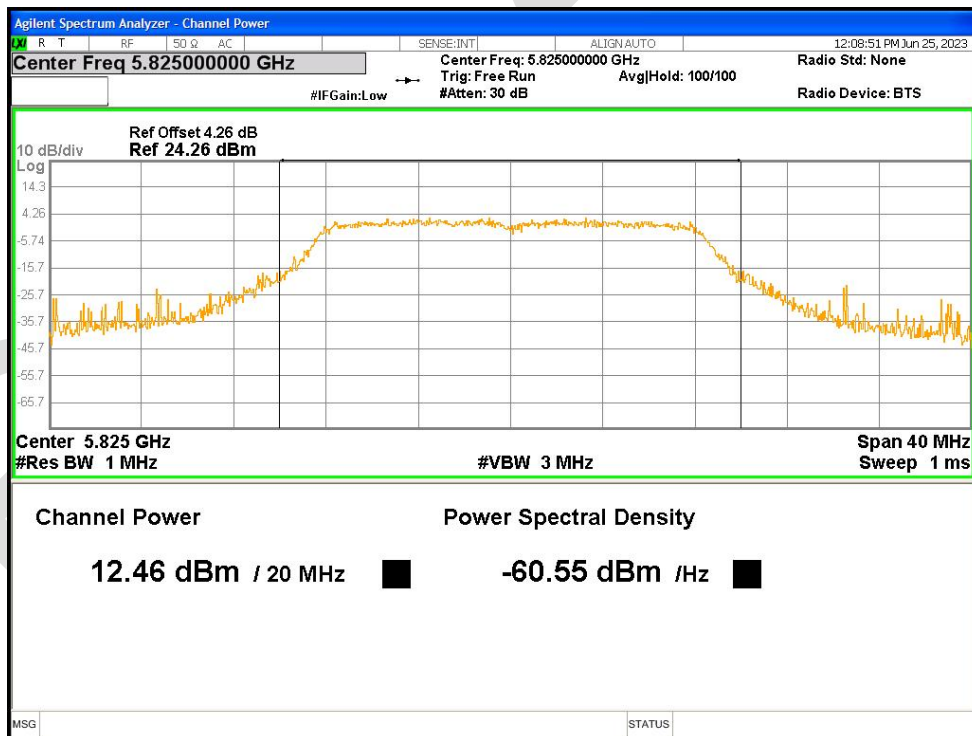
Power NVNT a 5745MHz Ant1



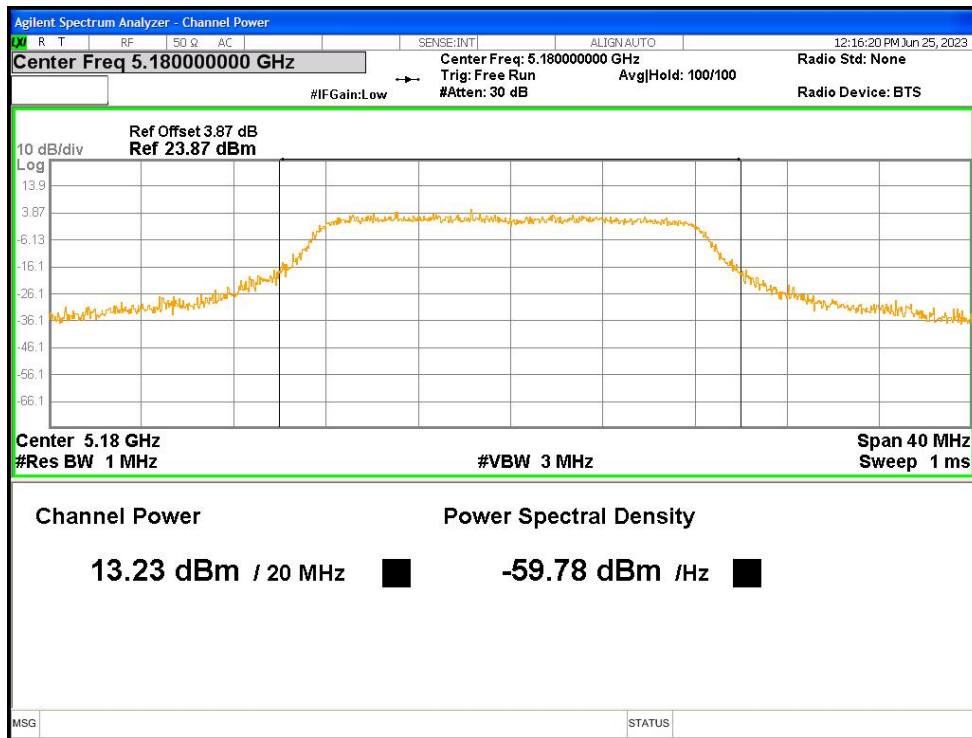
Power NVNT a 5785MHz Ant1



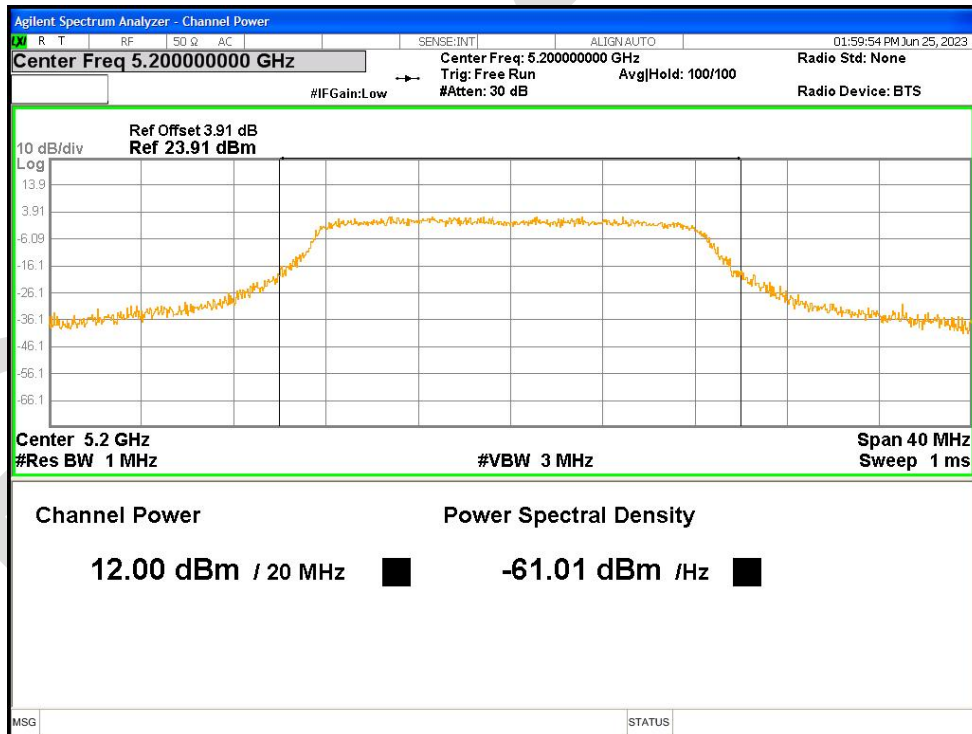
Power NVNT a 5825MHz Ant1



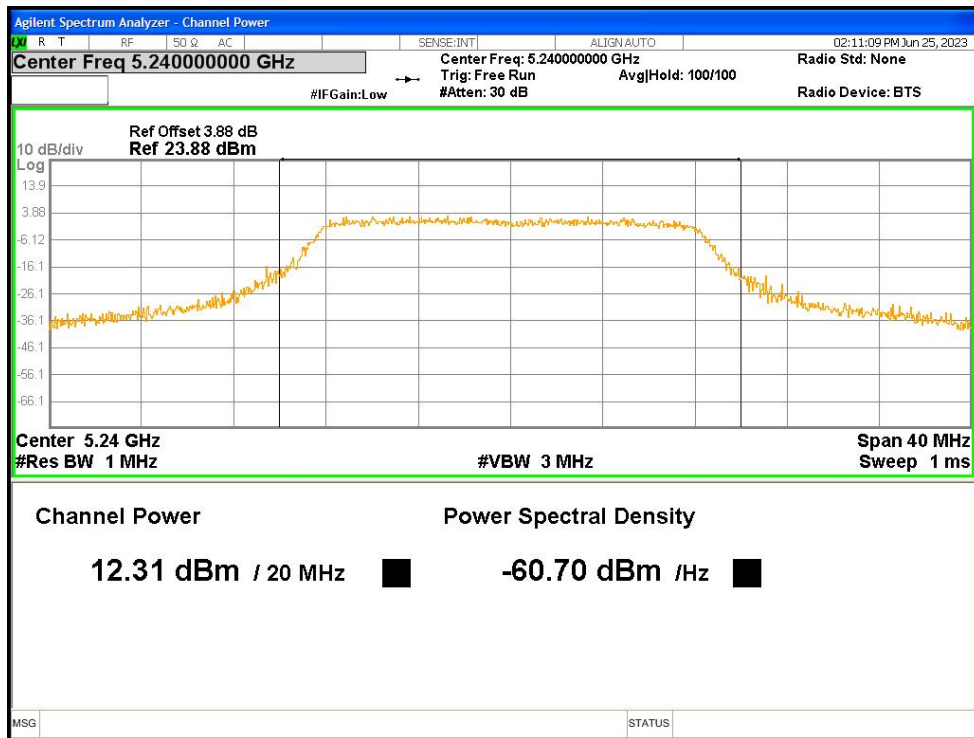
Power NVNT a 5180MHz Ant2



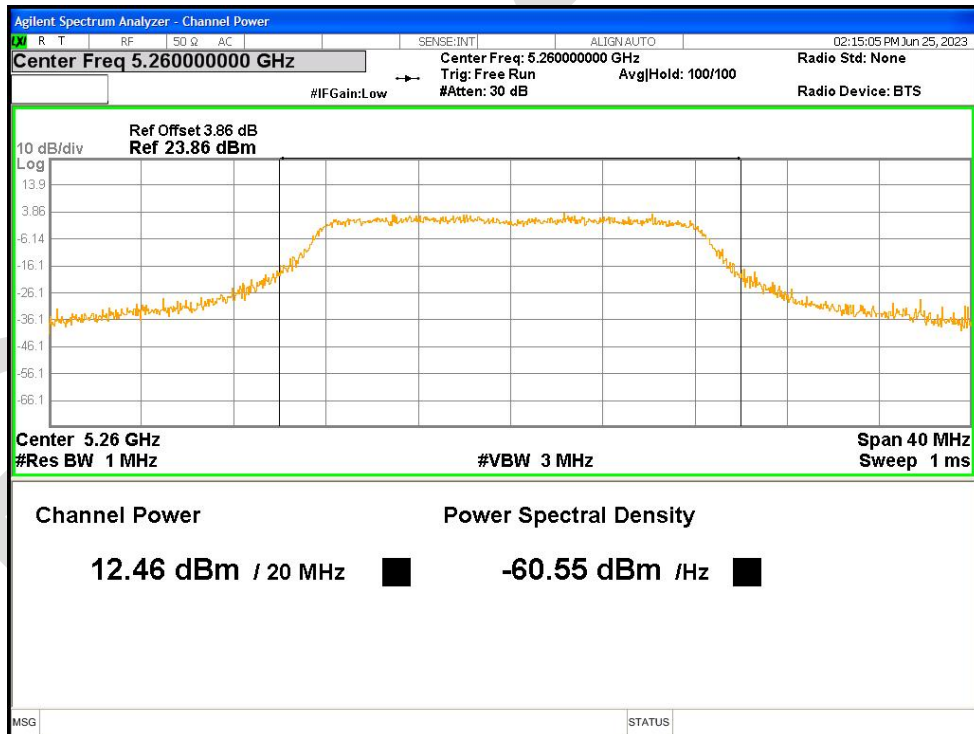
Power NVNT a 5200MHz Ant2



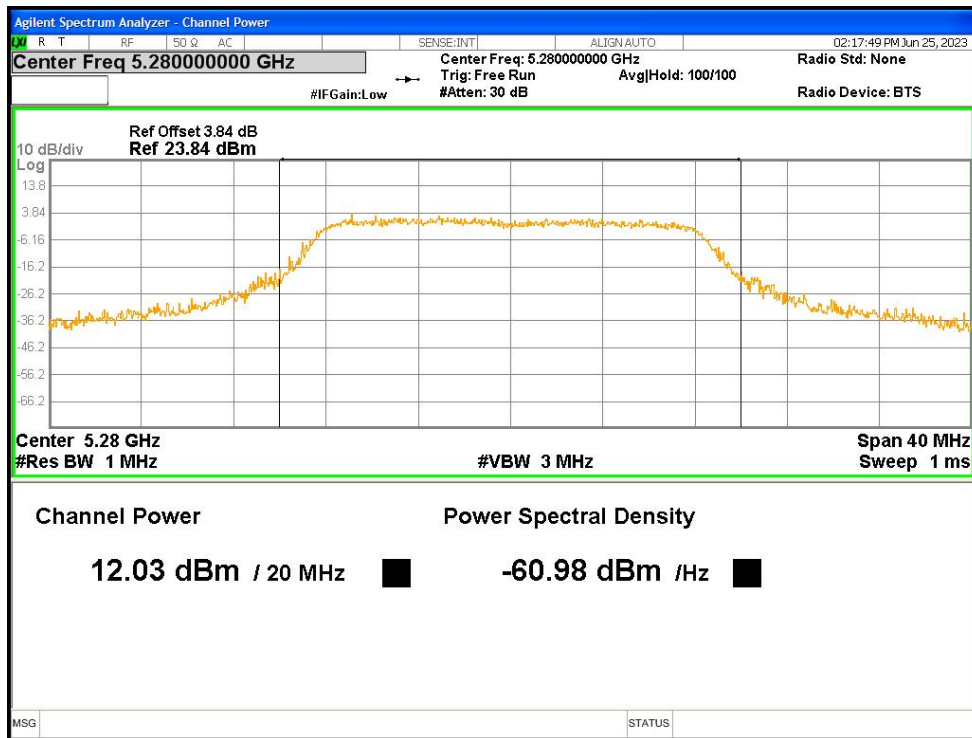
Power NVNT a 5240MHz Ant2



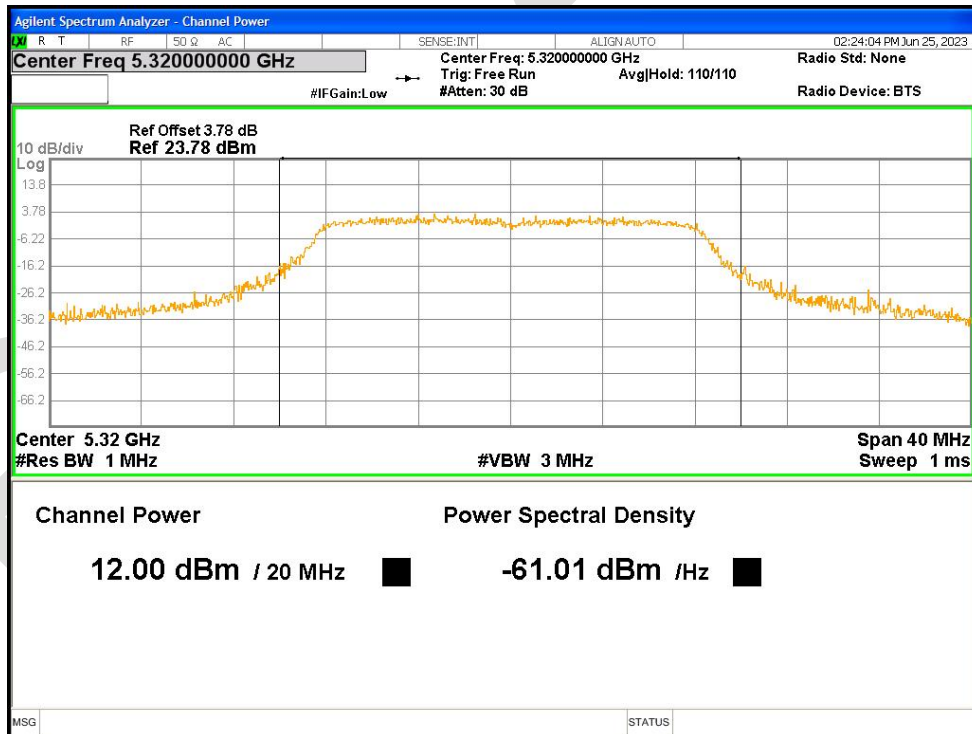
Power NVNT a 5260MHz Ant2



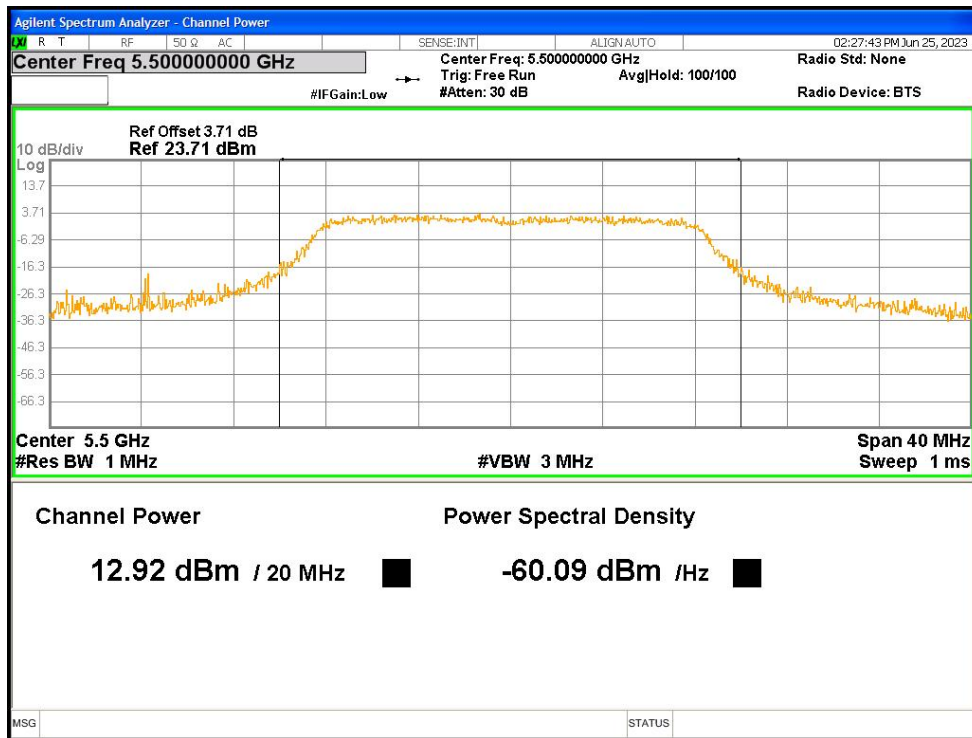
Power NVNT a 5280MHz Ant2



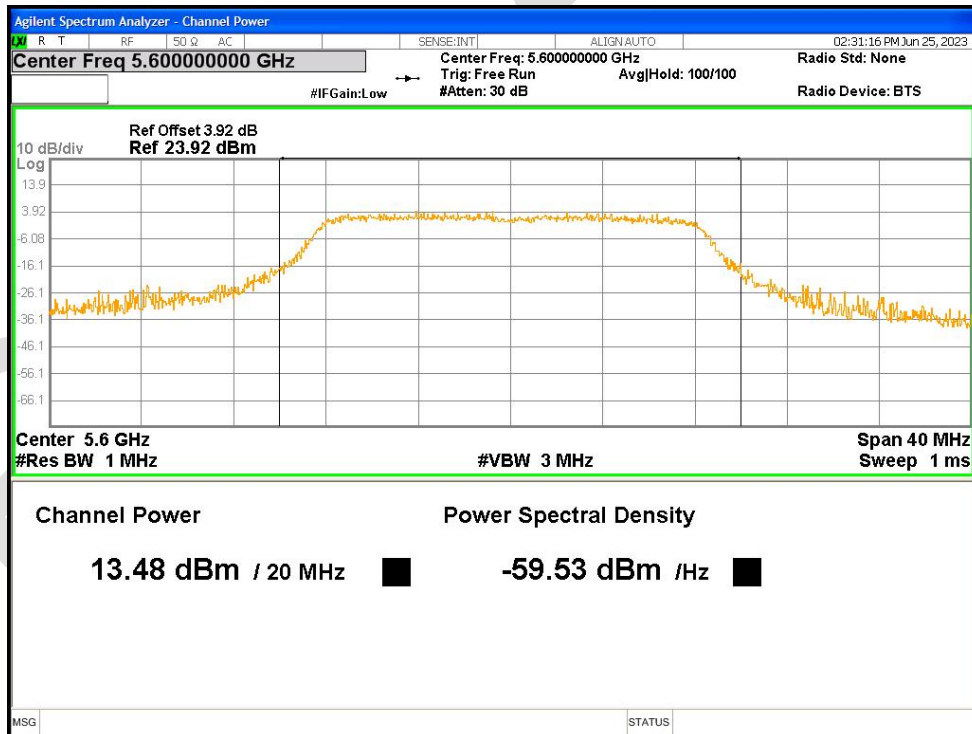
Power NVNT a 5320MHz Ant2



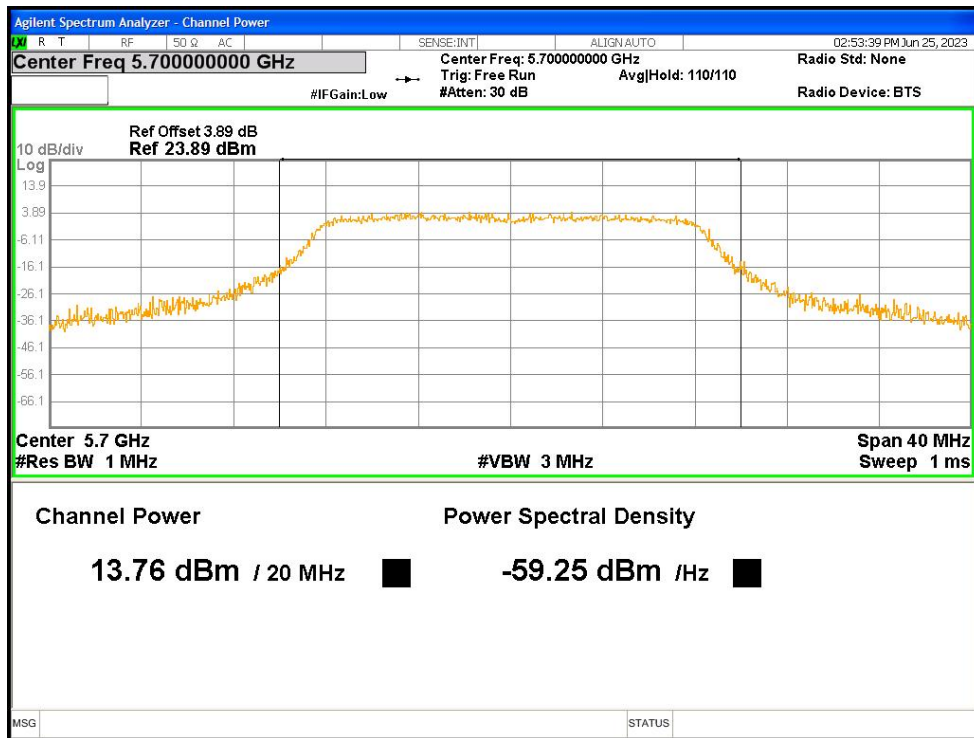
Power NVNT a 5500MHz Ant2



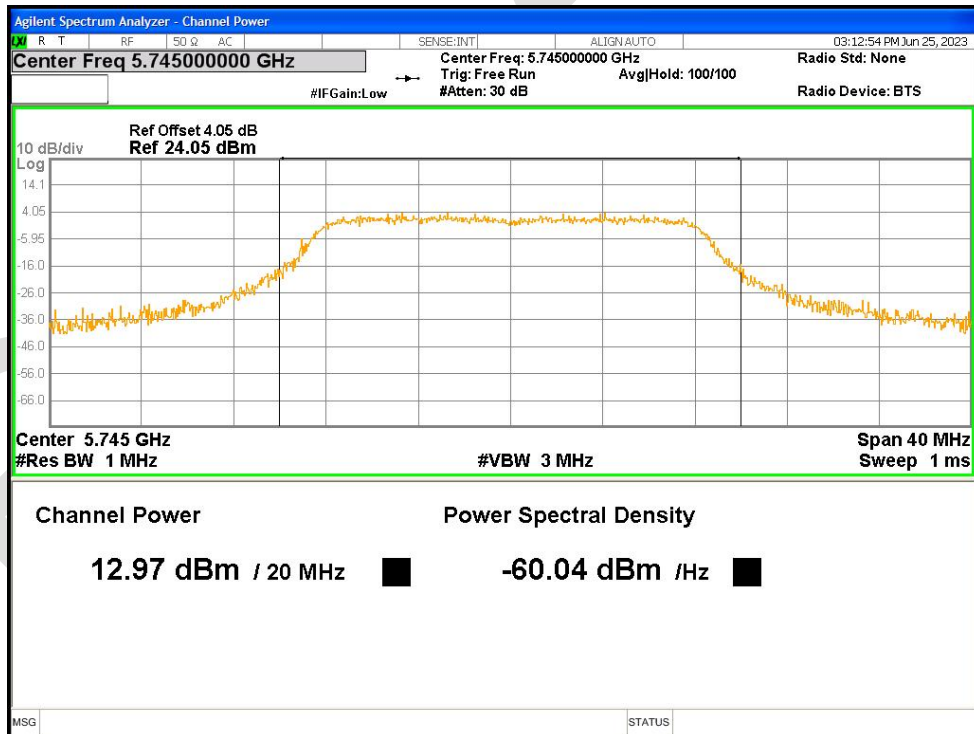
Power NVNT a 5600MHz Ant2



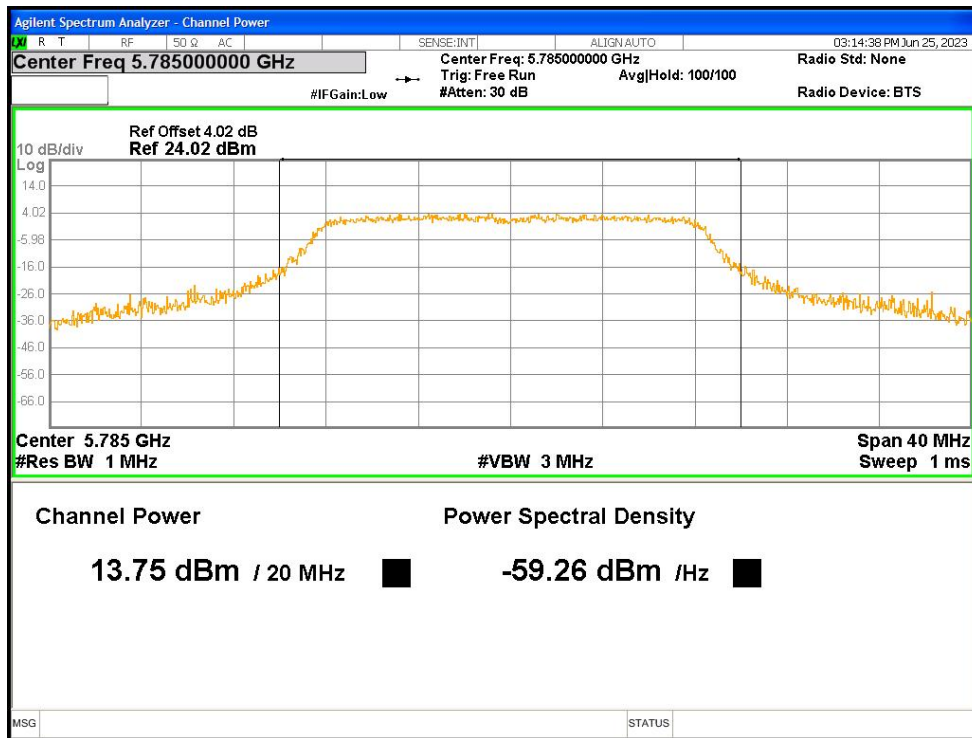
Power NVNT a 5700MHz Ant2



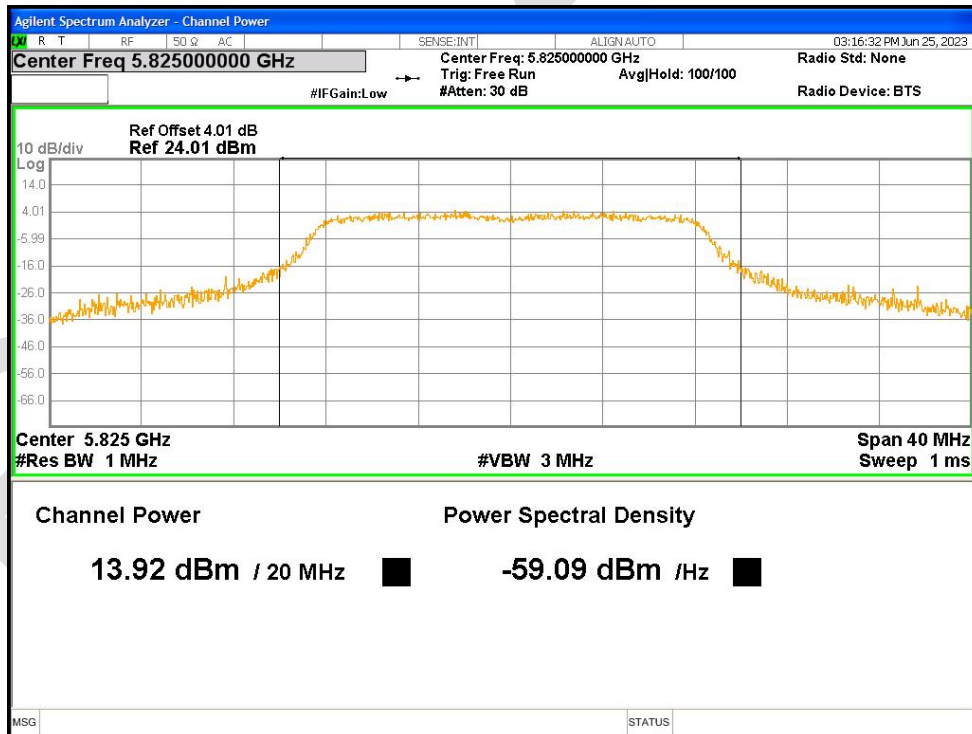
Power NVNT a 5745MHz Ant2



Power NVNT a 5785MHz Ant2



Power NVNT a 5825MHz Ant2



Power NVNT ac20 5180MHz Ant1