

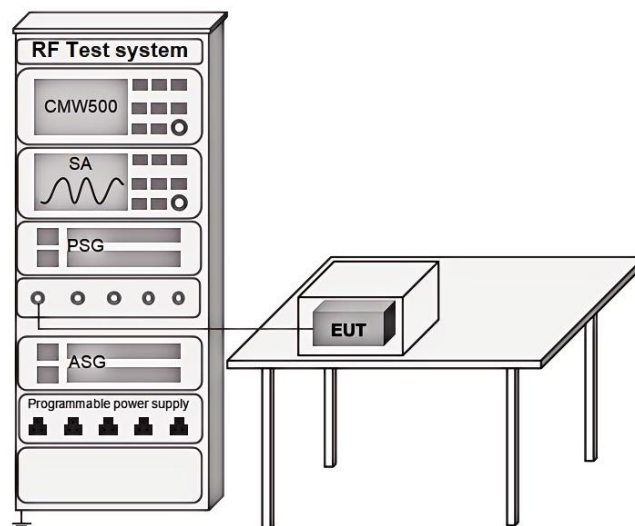
6.15 DFS: Non-occupancy period

Test Standard	47 CFR Part 15, Subpart E 15.407(h)(2)
Test Method	KDB 905462 D02 Section 7.8.3
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.15.1 Limit

Minimum 30 minutes

6.15.2 Test setup



6.15.3 Procedure

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file `iperf.exe` specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

6.15.4 Test data

Pass: Please refer to Report BLA-EMC-202602-A1406 for details

7 Appendix A

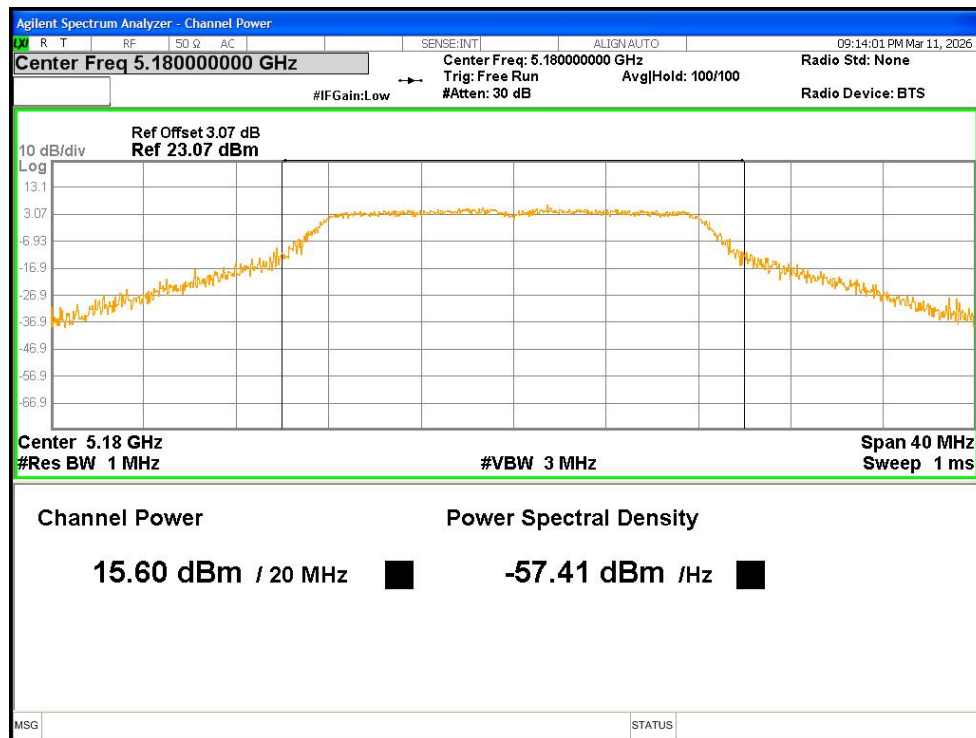
7.1 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	15.597	24	Pass
NVNT	a	5200	Ant1	16.183	24	Pass
NVNT	a	5240	Ant1	16.85	24	Pass
NVNT	a	5260	Ant1	17.226	24	Pass
NVNT	a	5280	Ant1	17.413	24	Pass
NVNT	a	5320	Ant1	16.841	24	Pass
NVNT	a	5500	Ant1	17.518	24	Pass
NVNT	a	5600	Ant1	16.314	24	Pass
NVNT	a	5700	Ant1	15.147	24	Pass
NVNT	a	5745	Ant1	14.75	30	Pass
NVNT	a	5785	Ant1	14.712	30	Pass
NVNT	a	5825	Ant1	14.432	30	Pass
NVNT	n20	5180	Ant1	15.902	24	Pass
NVNT	n20	5200	Ant1	16.507	24	Pass
NVNT	n20	5240	Ant1	17.457	24	Pass
NVNT	n20	5260	Ant1	17.499	24	Pass
NVNT	n20	5280	Ant1	17.915	24	Pass
NVNT	n20	5320	Ant1	17.725	24	Pass
NVNT	n20	5500	Ant1	17.586	24	Pass
NVNT	n20	5600	Ant1	16.486	24	Pass
NVNT	n20	5700	Ant1	15.039	24	Pass
NVNT	n20	5745	Ant1	14.86	30	Pass
NVNT	n20	5785	Ant1	14.716	30	Pass
NVNT	n20	5825	Ant1	14.703	30	Pass
NVNT	n40	5190	Ant1	14.262	24	Pass
NVNT	n40	5230	Ant1	15.265	24	Pass
NVNT	n40	5270	Ant1	15.665	24	Pass
NVNT	n40	5310	Ant1	15.712	24	Pass
NVNT	n40	5510	Ant1	15.177	24	Pass
NVNT	n40	5590	Ant1	14.663	24	Pass

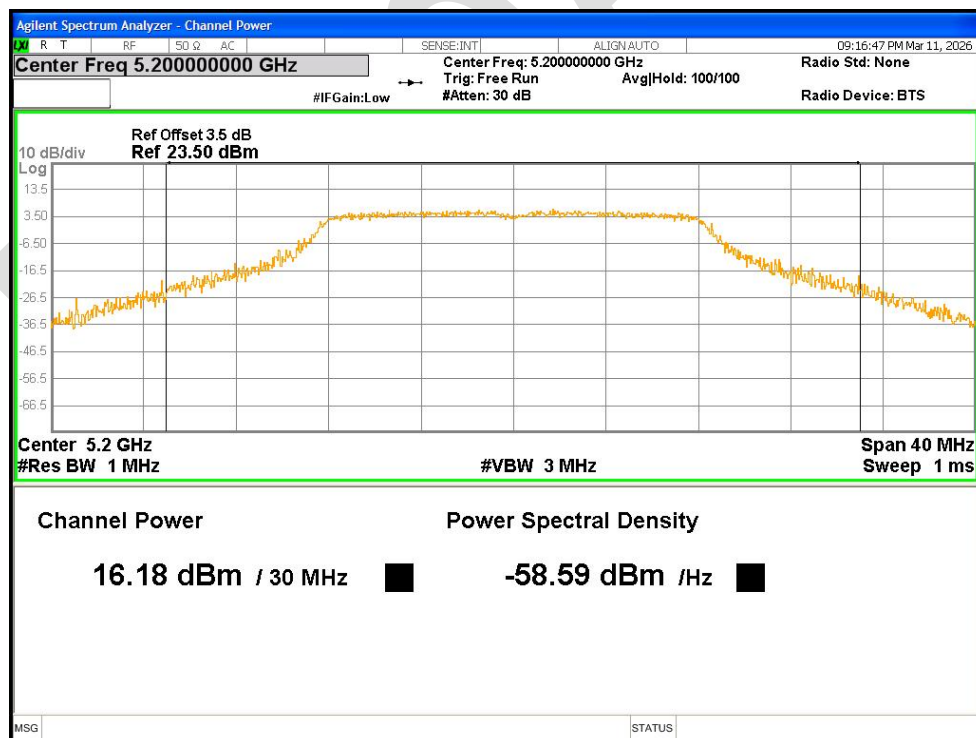
NVNT	n40	5670	Ant1	13.385	24	Pass
NVNT	n40	5755	Ant1	12.833	30	Pass
NVNT	n40	5795	Ant1	12.153	30	Pass
NVNT	ac20	5180	Ant1	16.102	24	Pass
NVNT	ac20	5200	Ant1	16.7	24	Pass
NVNT	ac20	5240	Ant1	17.749	24	Pass
NVNT	ac20	5260	Ant1	17.699	24	Pass
NVNT	ac20	5280	Ant1	18.022	24	Pass
NVNT	ac20	5320	Ant1	17.854	24	Pass
NVNT	ac20	5500	Ant1	17.794	24	Pass
NVNT	ac20	5600	Ant1	16.735	24	Pass
NVNT	ac20	5700	Ant1	15.47	24	Pass
NVNT	ac20	5745	Ant1	15.165	30	Pass
NVNT	ac20	5785	Ant1	14.899	30	Pass
NVNT	ac20	5825	Ant1	15.019	30	Pass
NVNT	ac40	5190	Ant1	14.499	24	Pass
NVNT	ac40	5230	Ant1	15.412	24	Pass
NVNT	ac40	5270	Ant1	15.362	24	Pass
NVNT	ac40	5310	Ant1	15.576	24	Pass
NVNT	ac40	5510	Ant1	16.438	24	Pass
NVNT	ac40	5590	Ant1	15.183	24	Pass
NVNT	ac40	5670	Ant1	14.07	24	Pass
NVNT	ac40	5755	Ant1	13.181	30	Pass
NVNT	ac40	5795	Ant1	12.778	30	Pass
NVNT	ac80	5210	Ant1	15.218	24	Pass
NVNT	ac80	5290	Ant1	15.821	24	Pass
NVNT	ac80	5530	Ant1	16.414	24	Pass
NVNT	ac80	5610	Ant1	15.095	24	Pass
NVNT	ac80	5775	Ant1	13.515	30	Pass
NVNT	ax20	5180	Ant1	14.385	24	Pass
NVNT	ax20	5200	Ant1	14.965	24	Pass
NVNT	ax20	5240	Ant1	15.997	24	Pass
NVNT	ax20	5260	Ant1	15.423	24	Pass
NVNT	ax20	5280	Ant1	15.834	24	Pass
NVNT	ax20	5320	Ant1	15.732	24	Pass

NVNT	ax20	5500	Ant1	17.334	24	Pass
NVNT	ax20	5600	Ant1	15.076	24	Pass
NVNT	ax20	5700	Ant1	13.743	24	Pass
NVNT	ax20	5745	Ant1	13.536	30	Pass
NVNT	ax20	5785	Ant1	13.241	30	Pass
NVNT	ax20	5825	Ant1	13.19	30	Pass
NVNT	ax40	5190	Ant1	14.737	24	Pass
NVNT	ax40	5230	Ant1	15.612	24	Pass
NVNT	ax40	5270	Ant1	15.739	24	Pass
NVNT	ax40	5310	Ant1	16.13	24	Pass
NVNT	ax40	5510	Ant1	16.654	24	Pass
NVNT	ax40	5590	Ant1	15.509	24	Pass
NVNT	ax40	5670	Ant1	14.408	24	Pass
NVNT	ax40	5755	Ant1	13.574	30	Pass
NVNT	ax40	5795	Ant1	13.102	30	Pass
NVNT	ax80	5210	Ant1	15.361	24	Pass
NVNT	ax80	5290	Ant1	16.227	24	Pass
NVNT	ax80	5530	Ant1	16.7	24	Pass
NVNT	ax80	5610	Ant1	15.08	24	Pass
NVNT	ax80	5775	Ant1	13.829	30	Pass

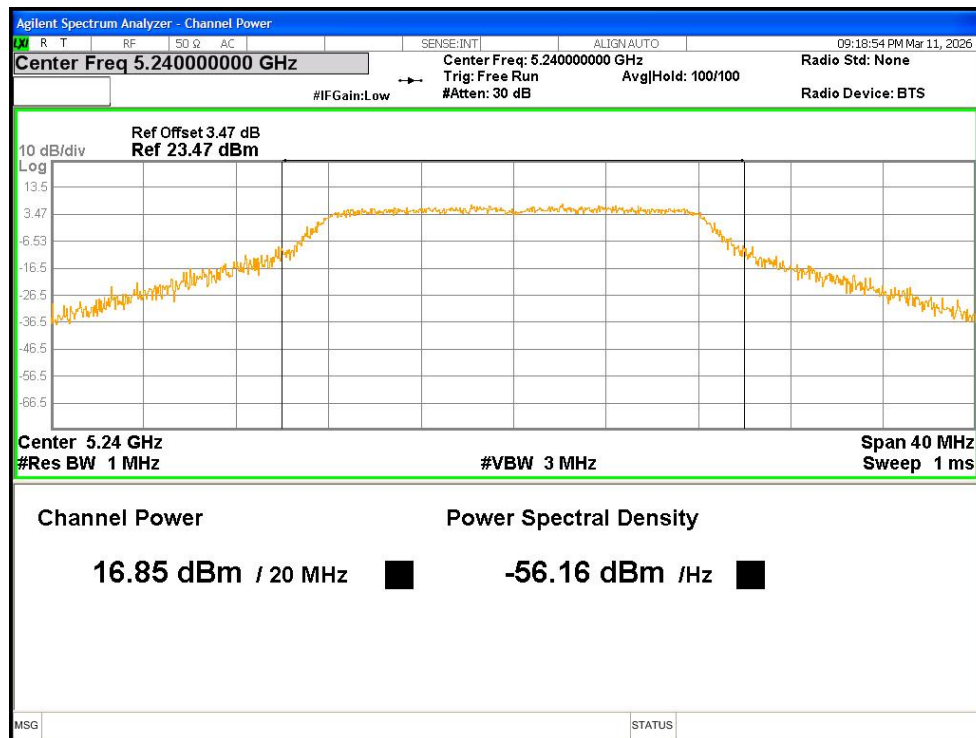
Power NVNT a 5180MHz Ant1



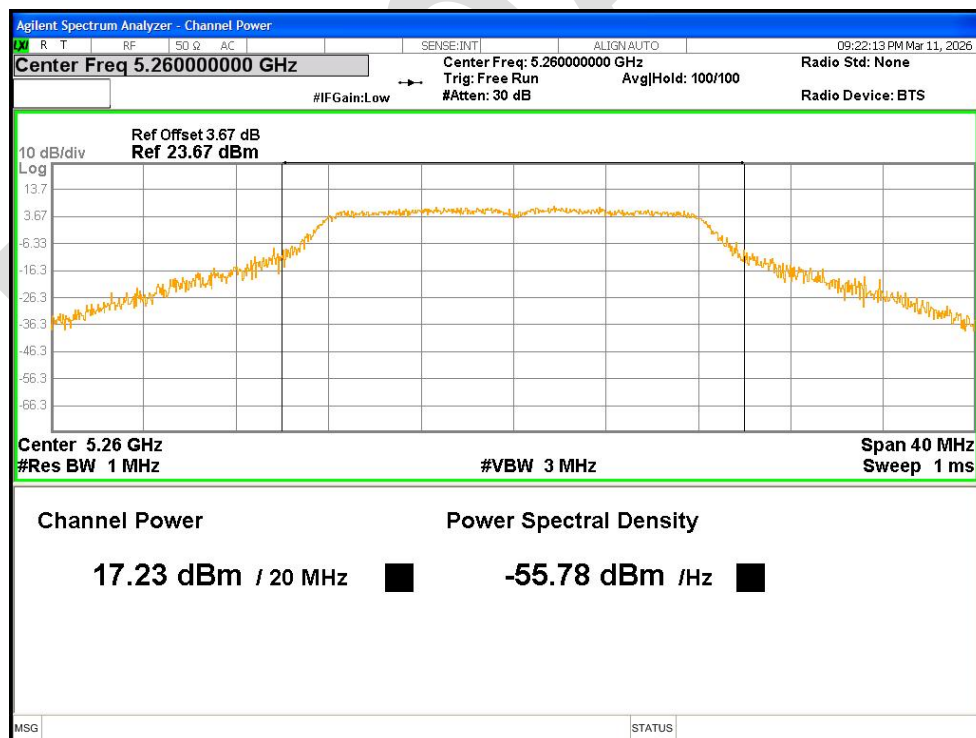
Power NVNT a 5200MHz Ant1



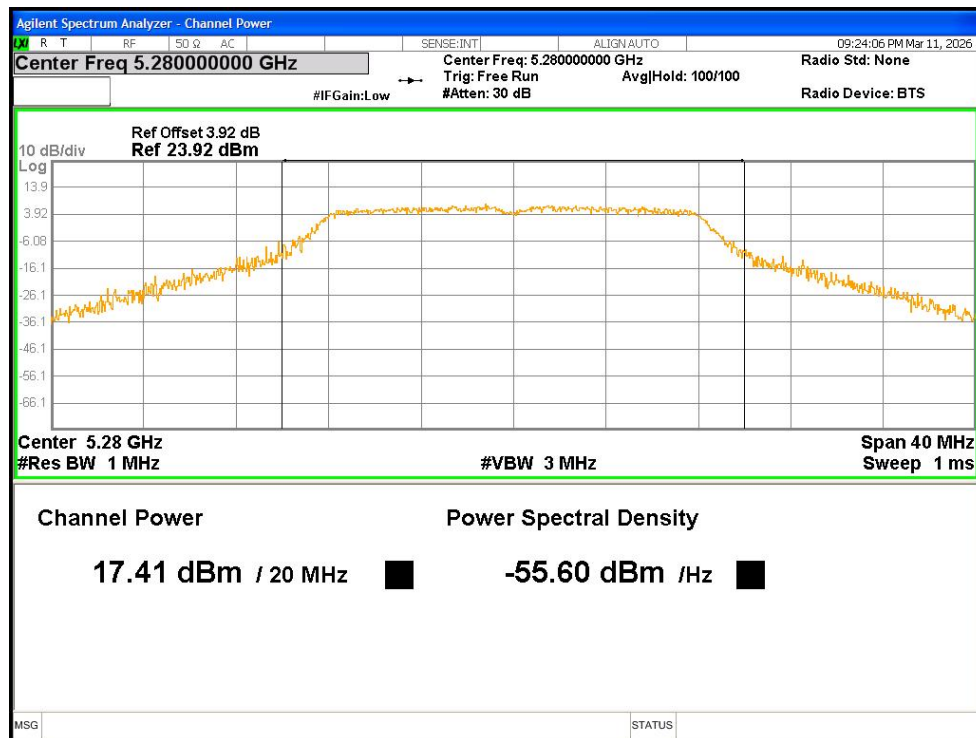
Power NVNT a 5240MHz Ant1



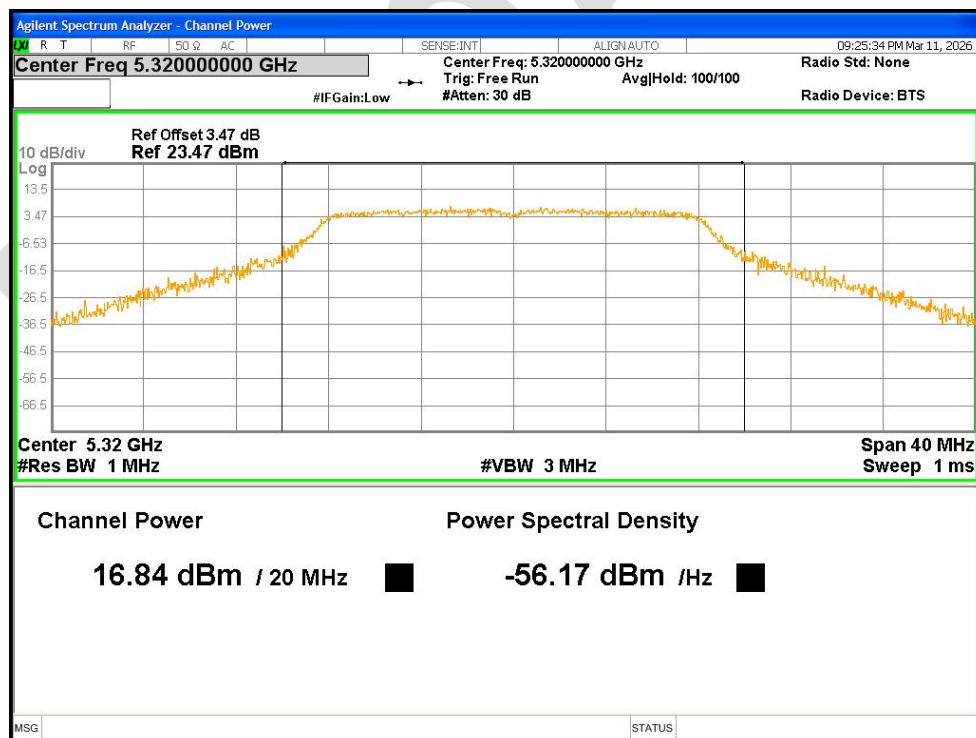
Power NVNT a 5260MHz Ant1



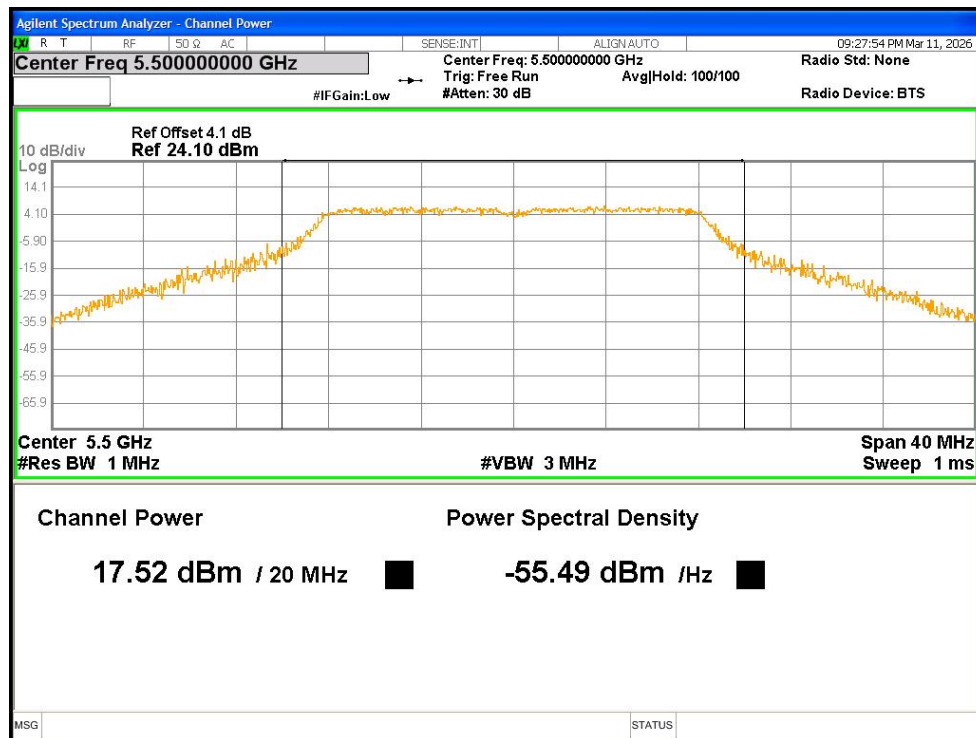
Power NVNT a 5280MHz Ant1



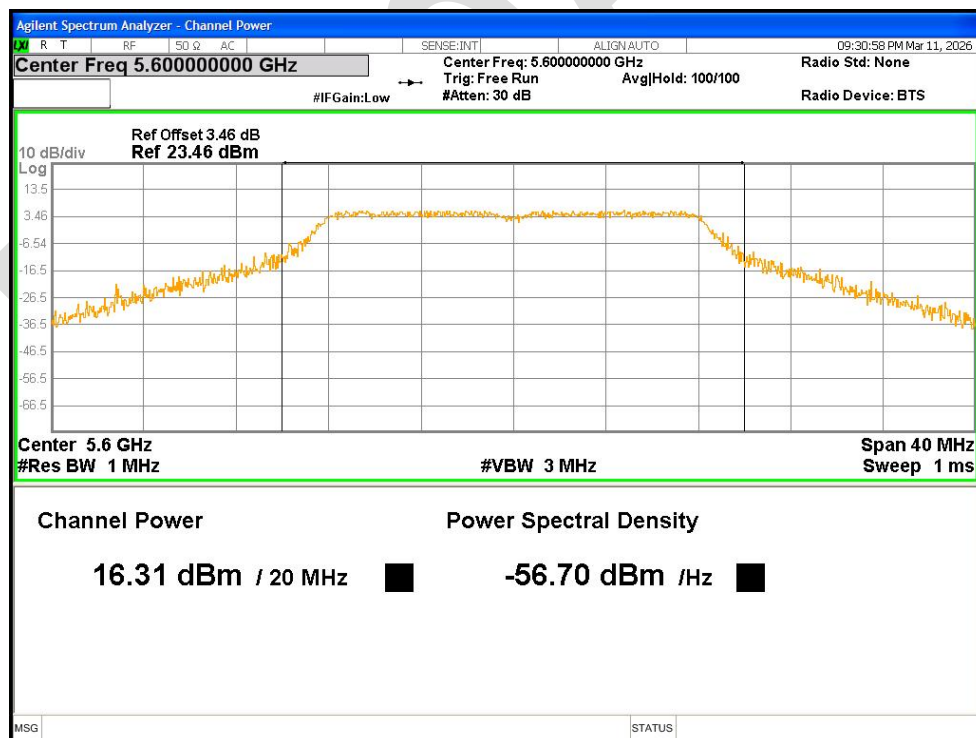
Power NVNT a 5320MHz Ant1



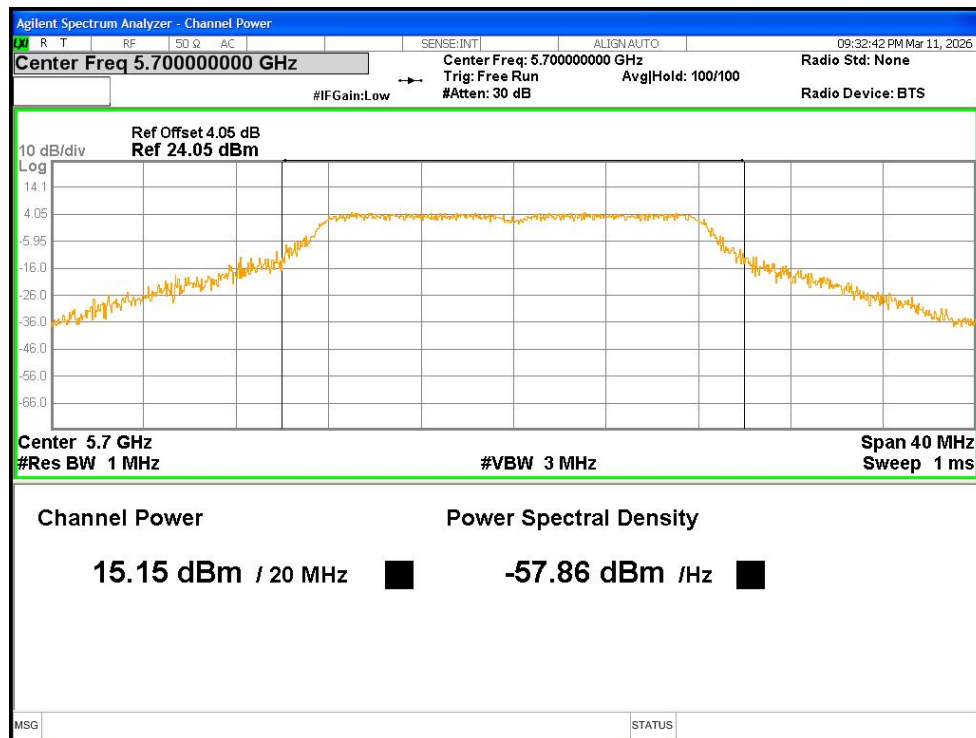
Power NVNT a 5500MHz Ant1



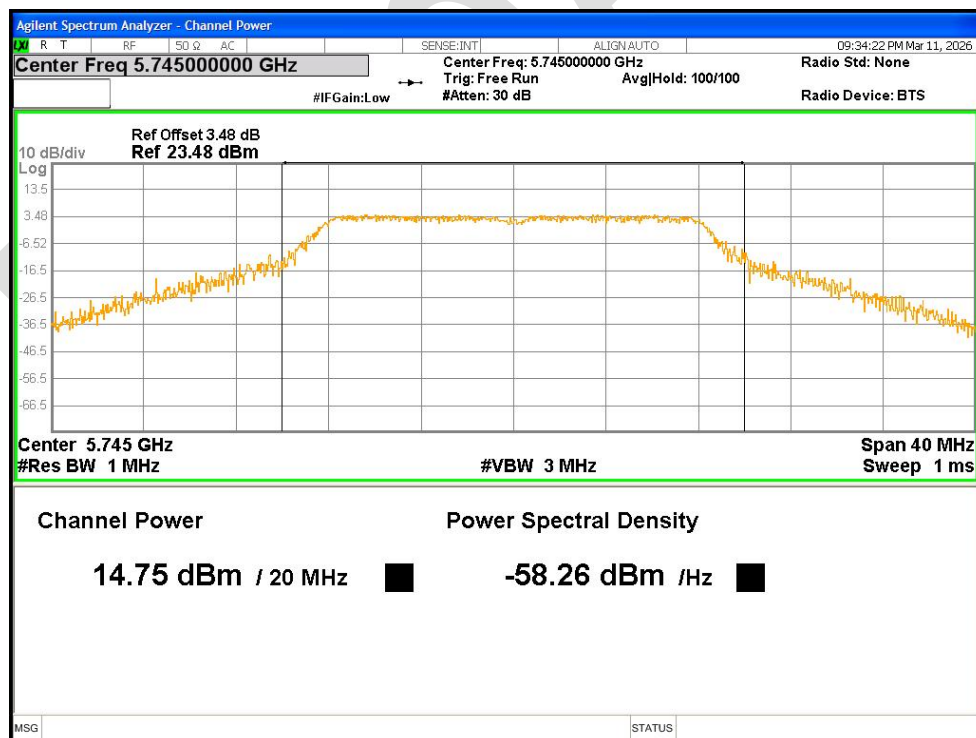
Power NVNT a 5600MHz Ant1



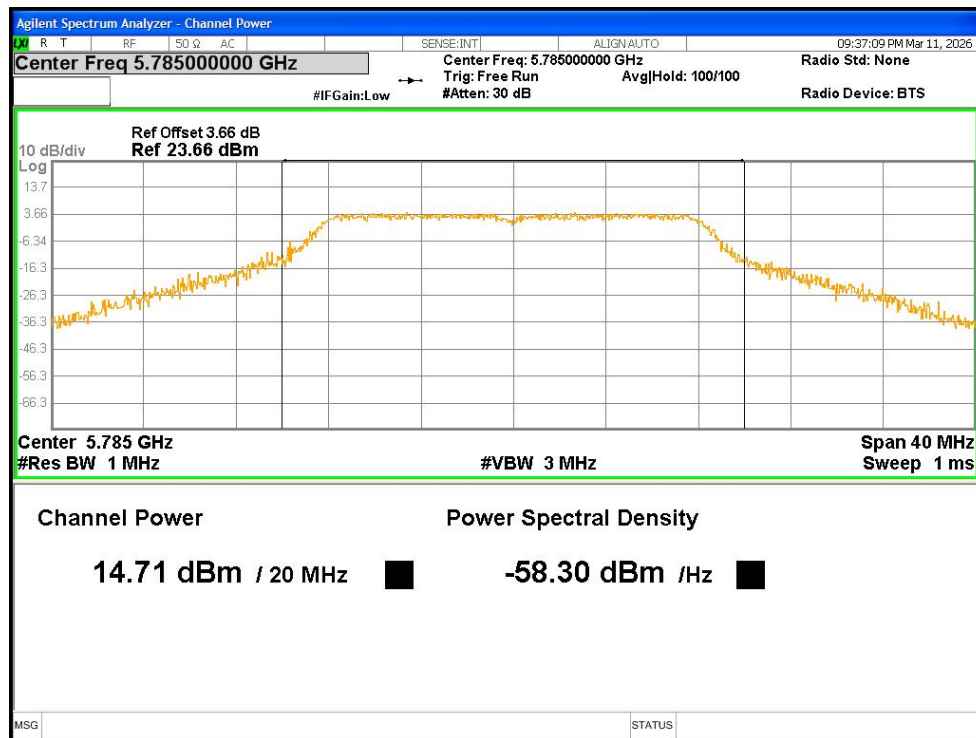
Power NVNT a 5700MHz Ant1



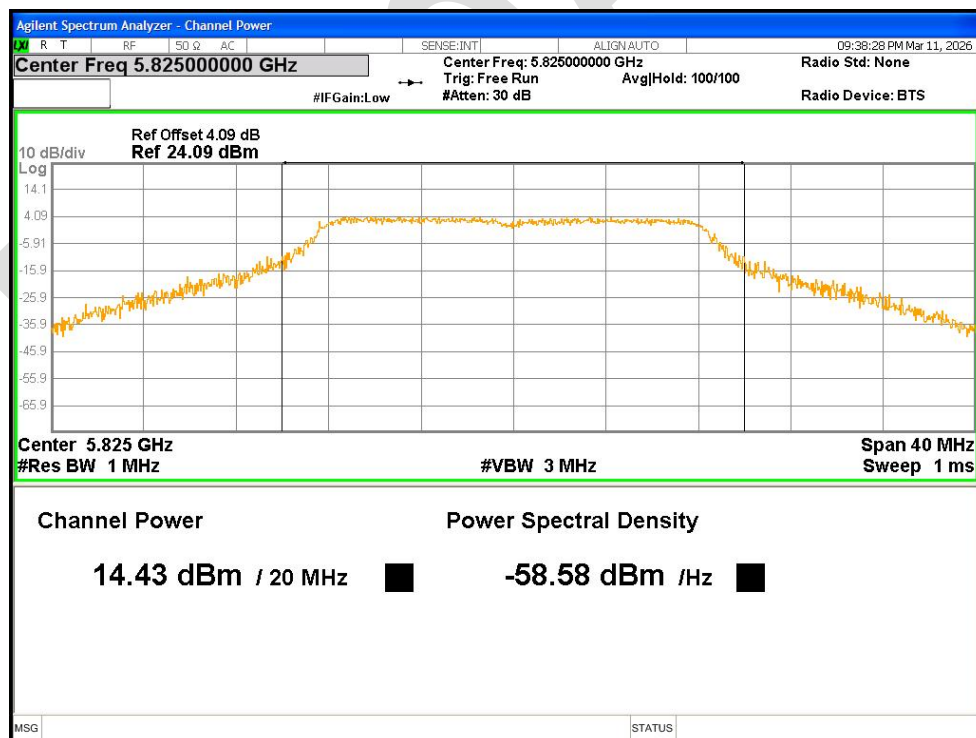
Power NVNT a 5745MHz Ant1



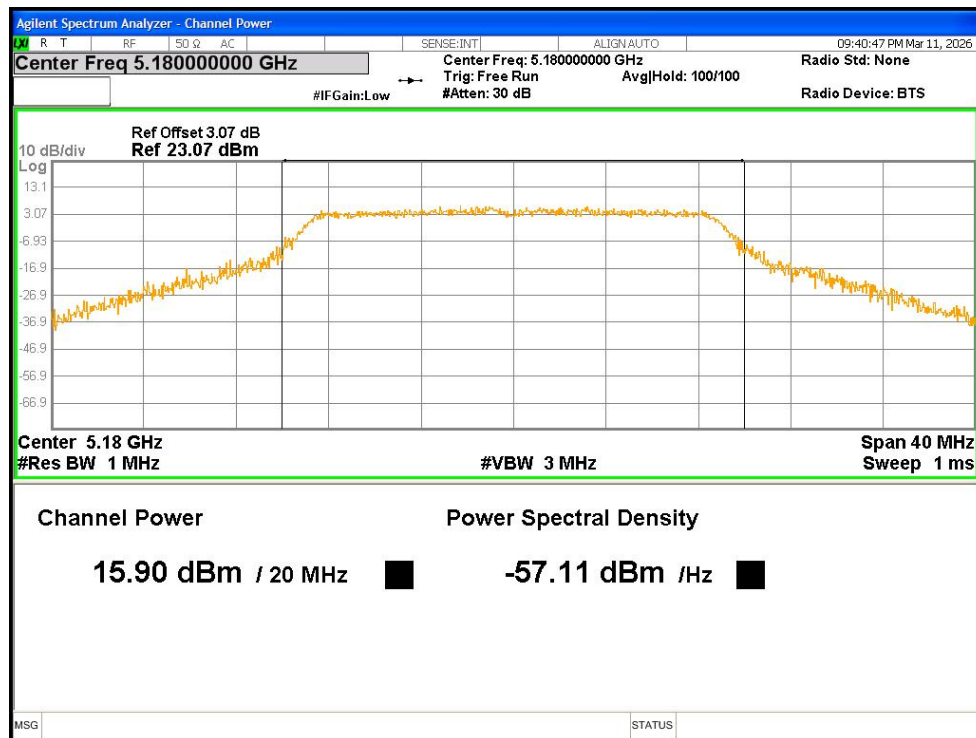
Power NVNT a 5785MHz Ant1



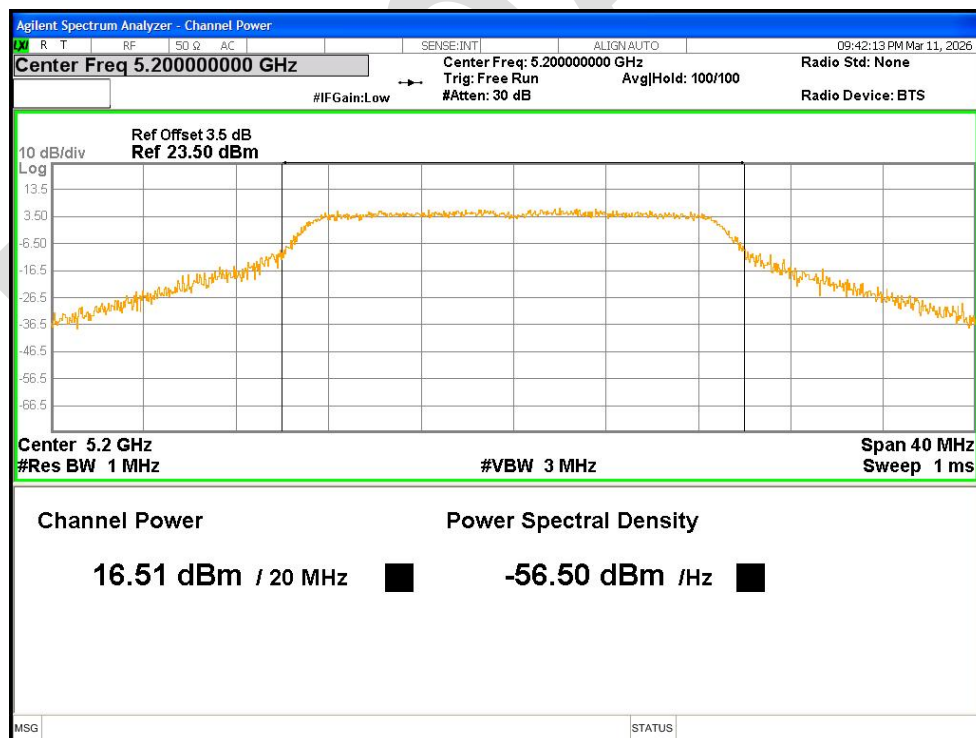
Power NVNT a 5825MHz Ant1



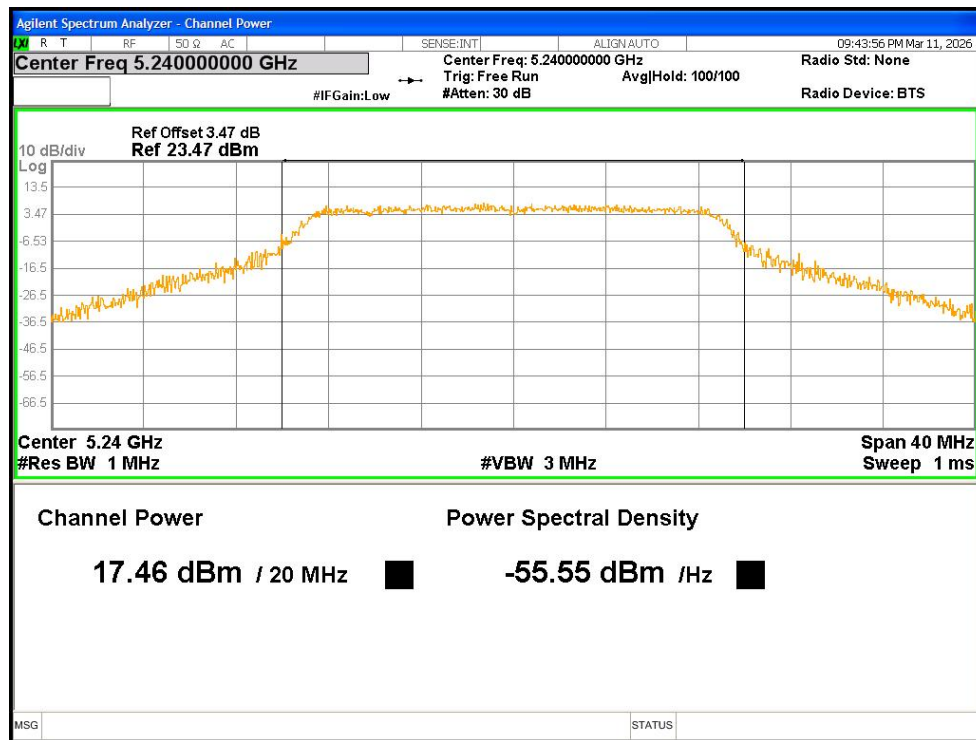
Power NVNT n20 5180MHz Ant1



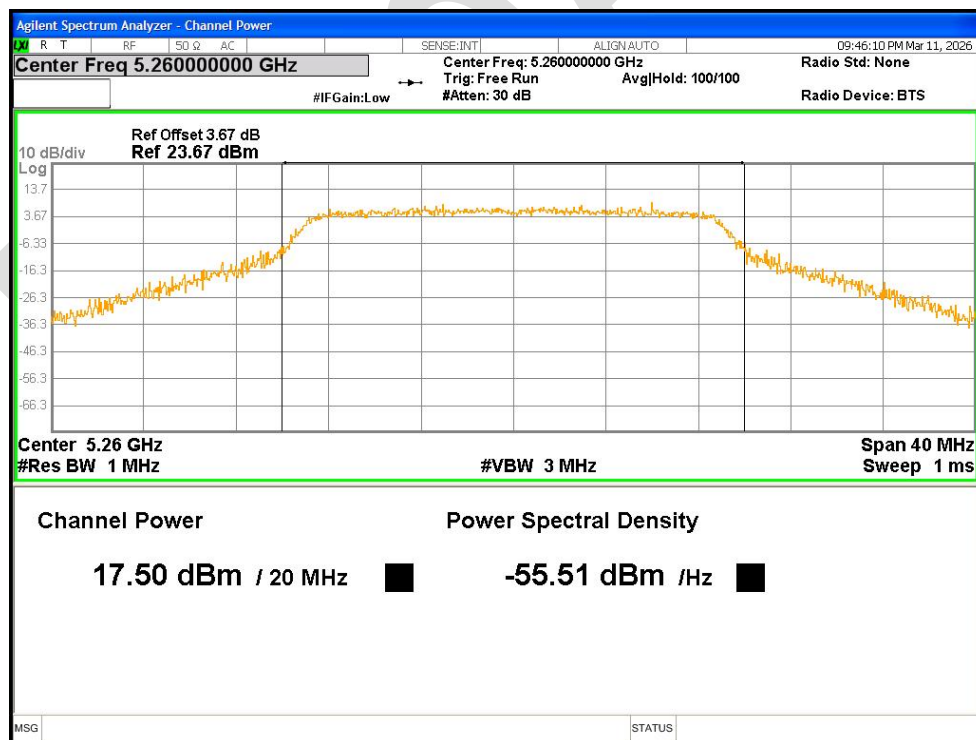
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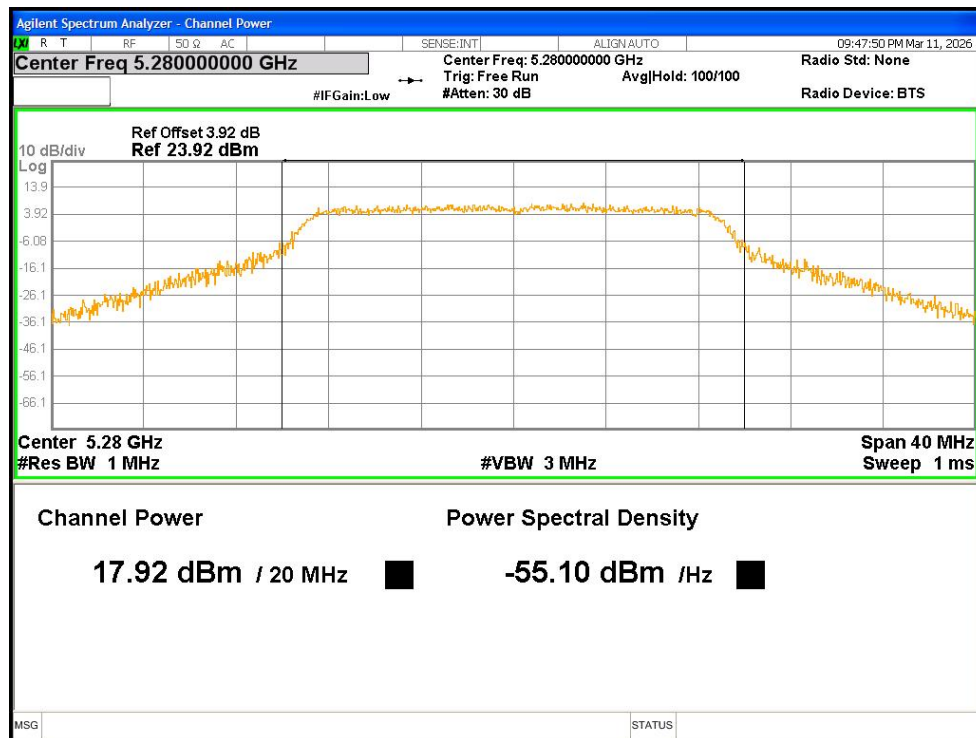
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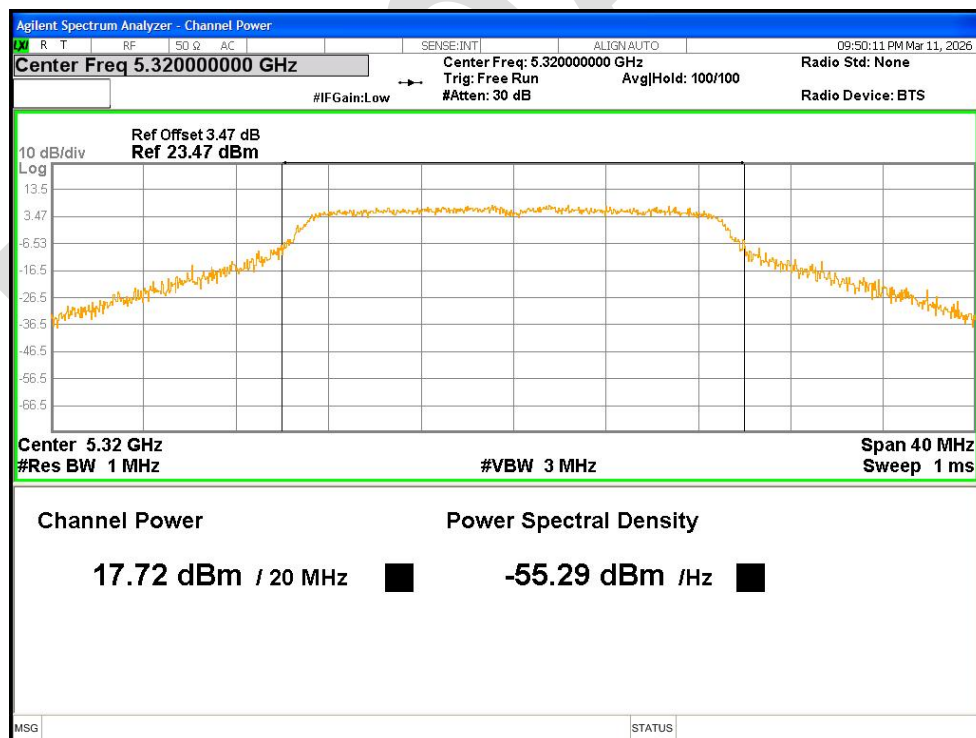
Power NVNT n20 5260MHz Ant1



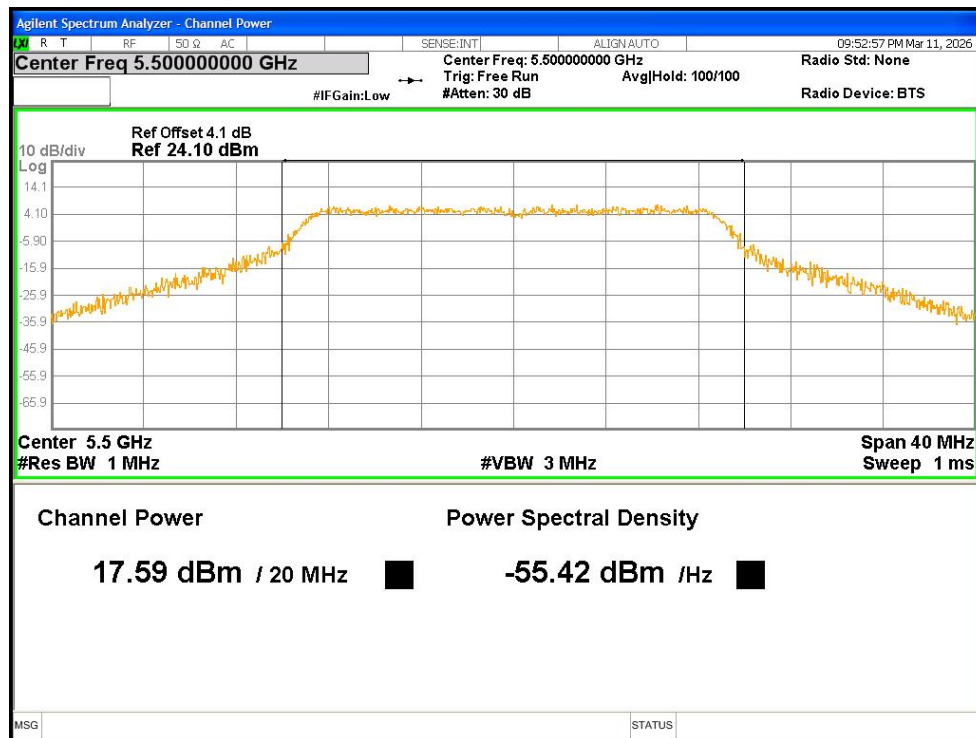
Power NVNT n20 5280MHz Ant1



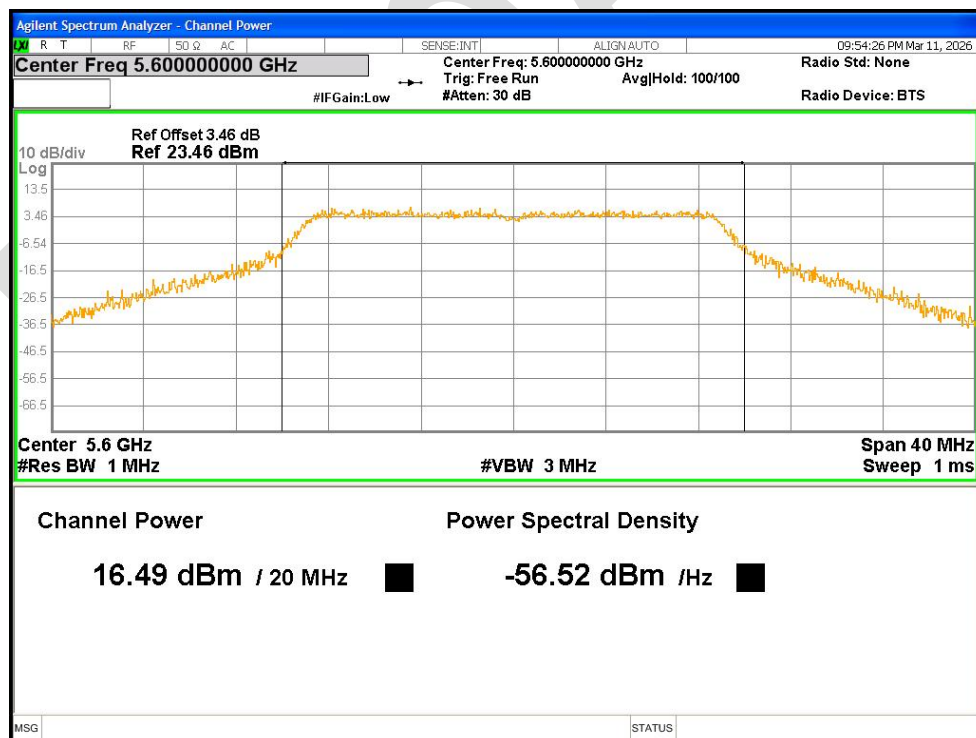
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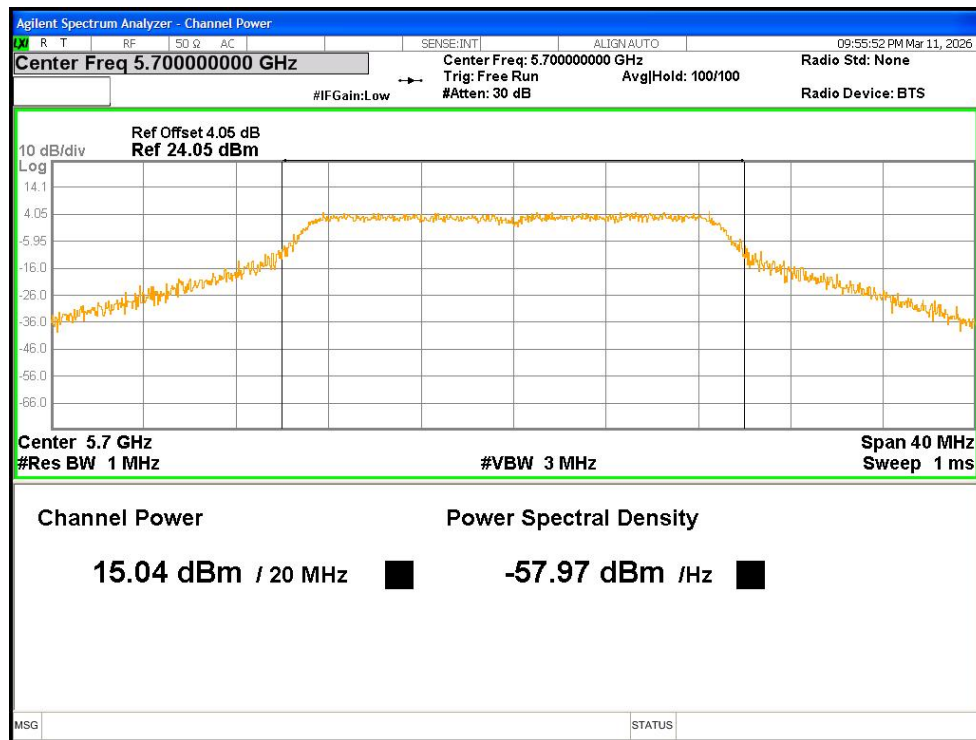
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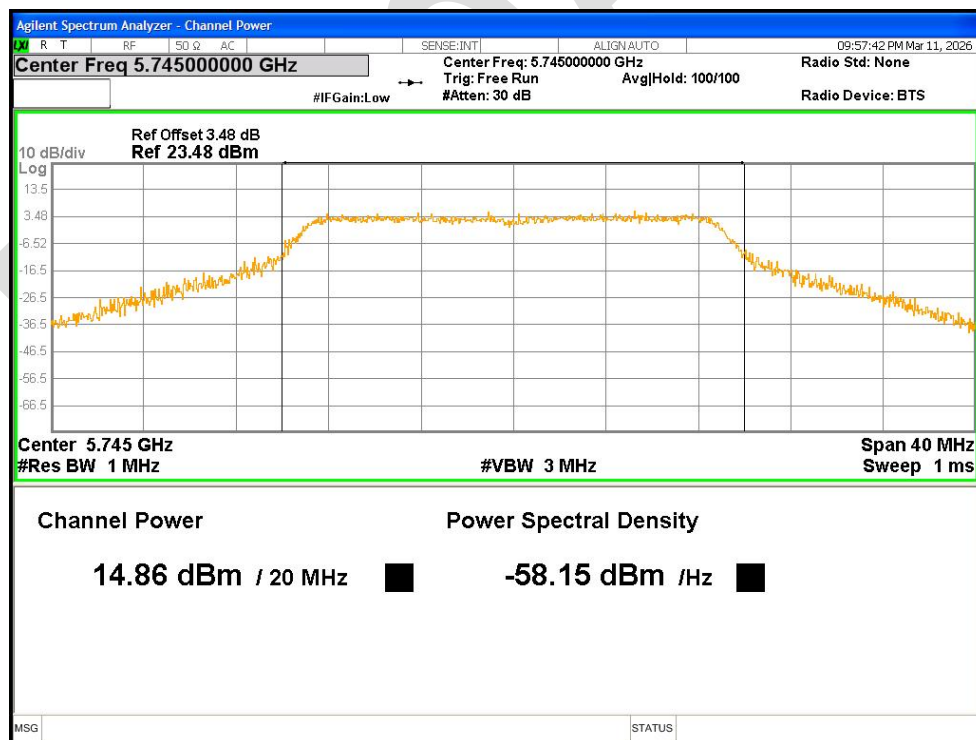
Power NVNT n20 5600MHz Ant1



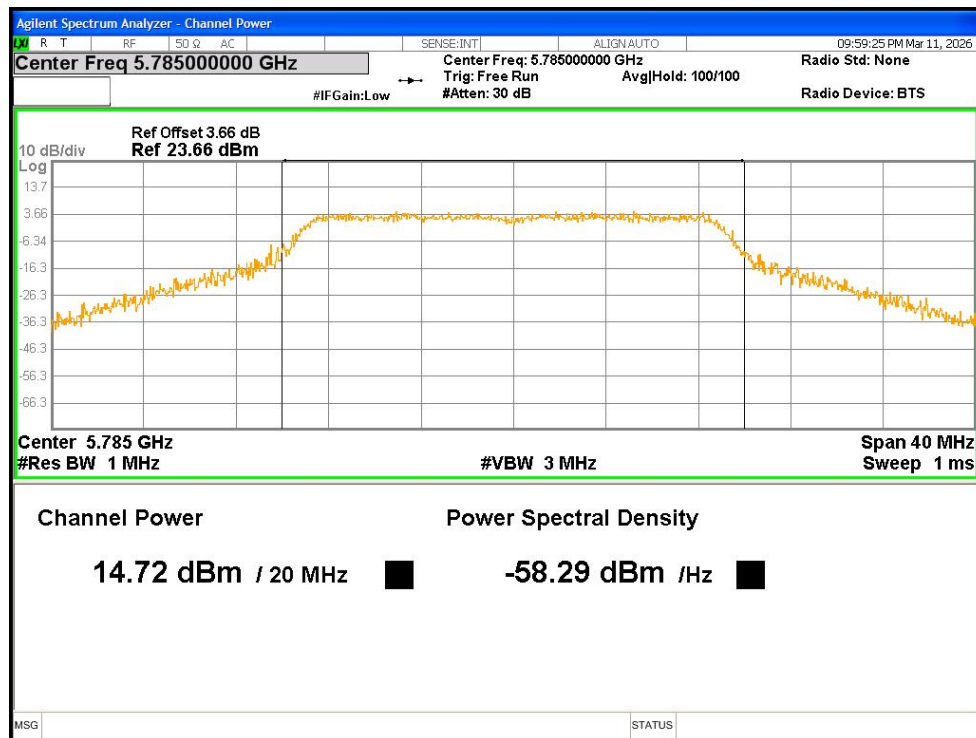
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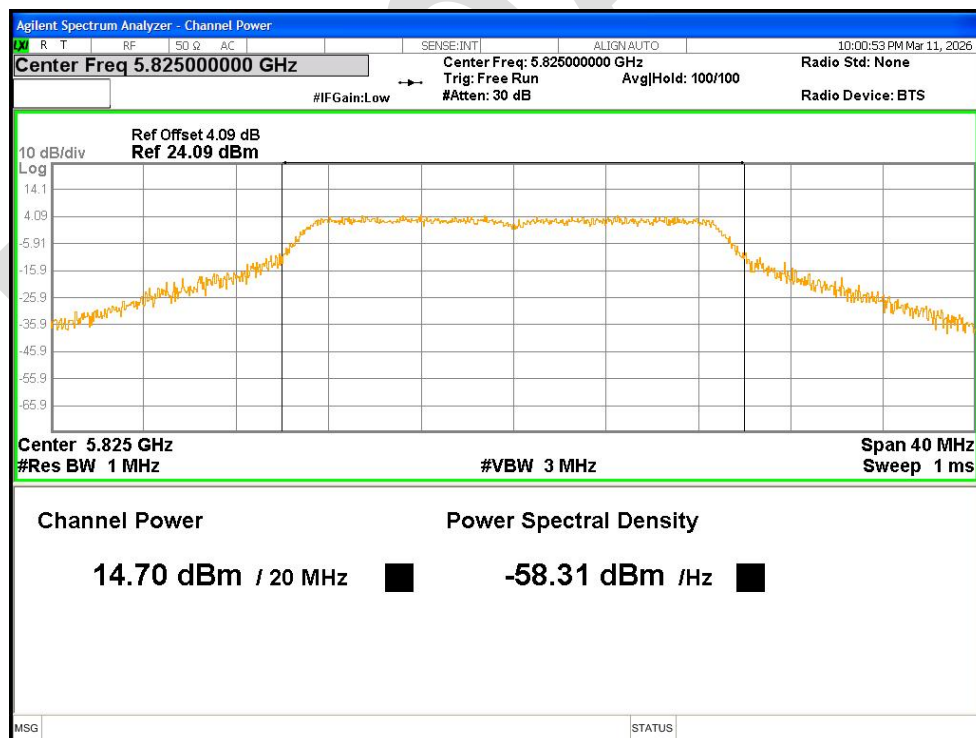
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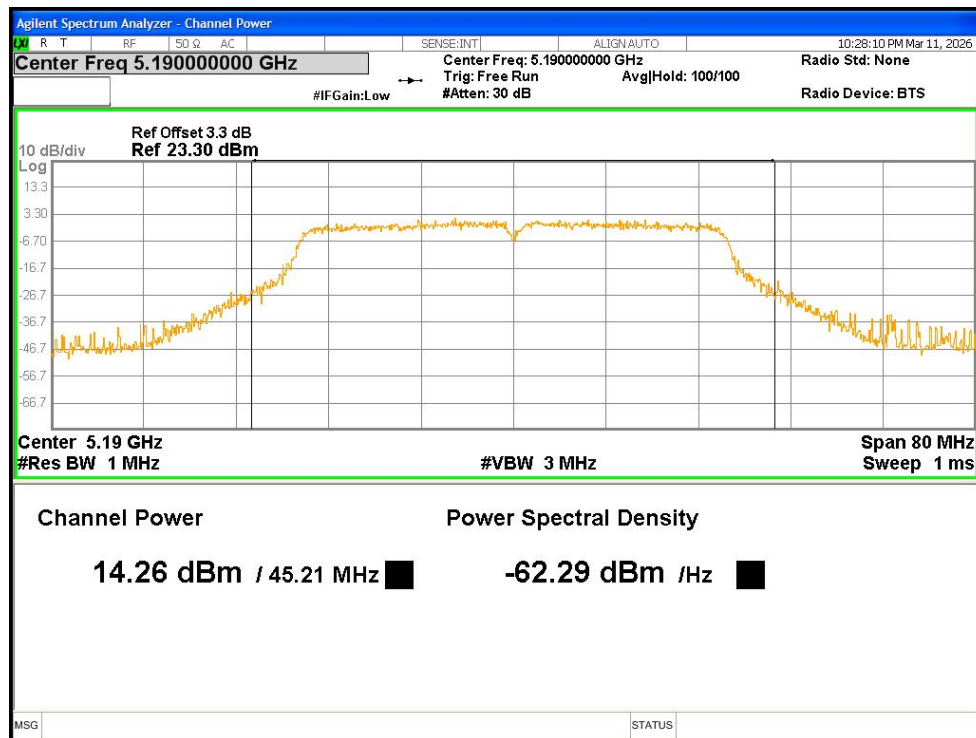
Power NVNT n20 5785MHz Ant1



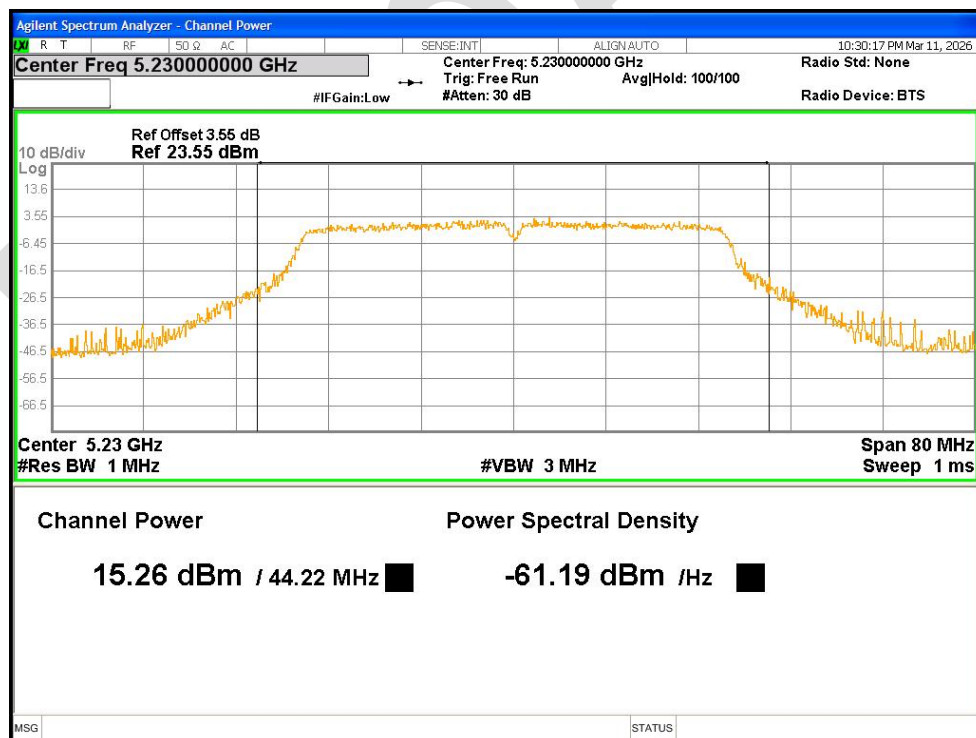
Power NVNT n20 5825MHz Ant1



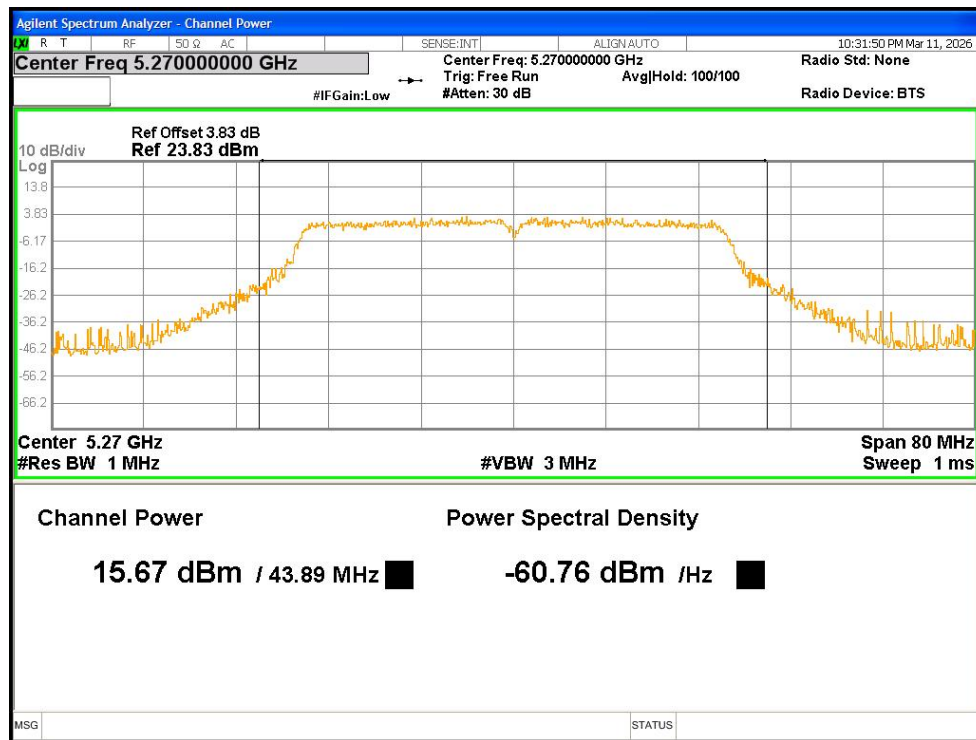
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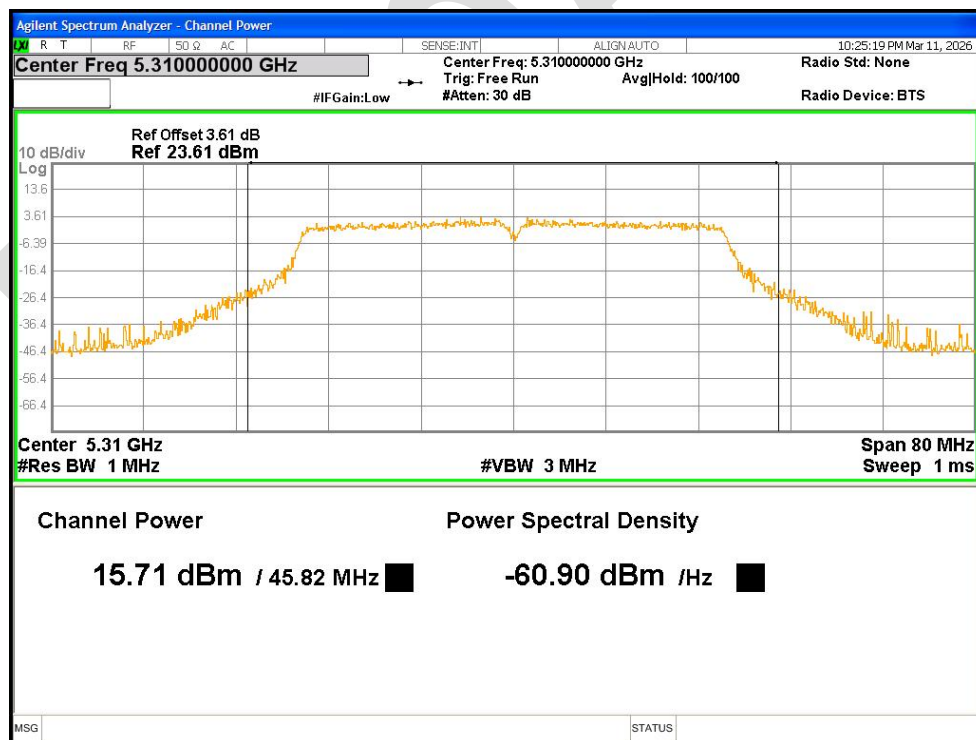
Power NVNT n40 5230MHz Ant1



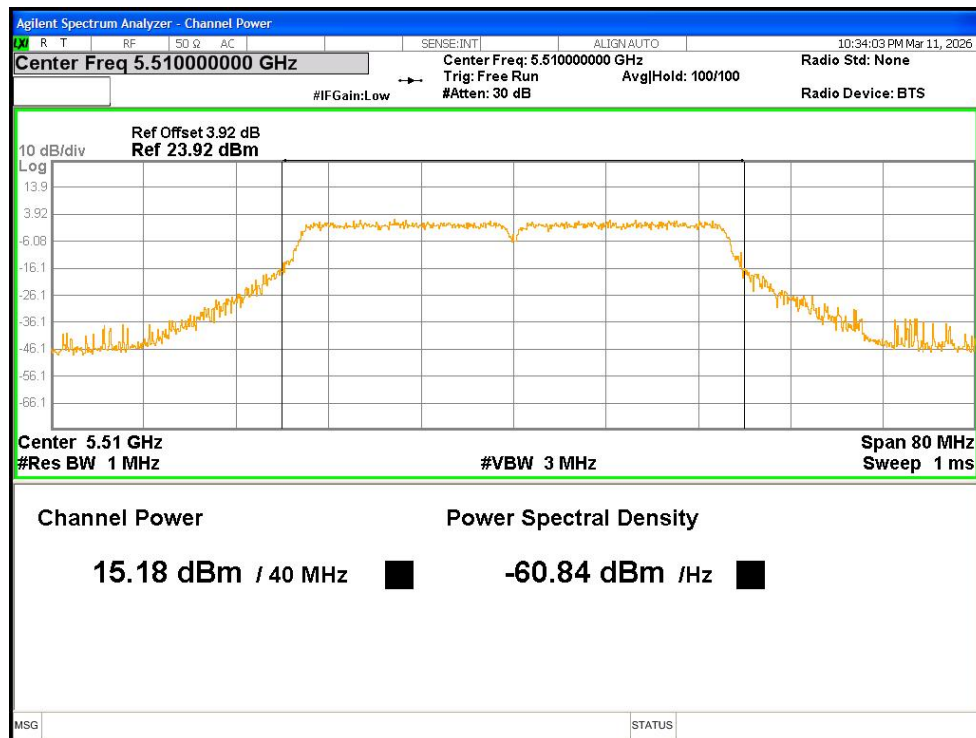
Power NVNT n40 5270MHz Ant1



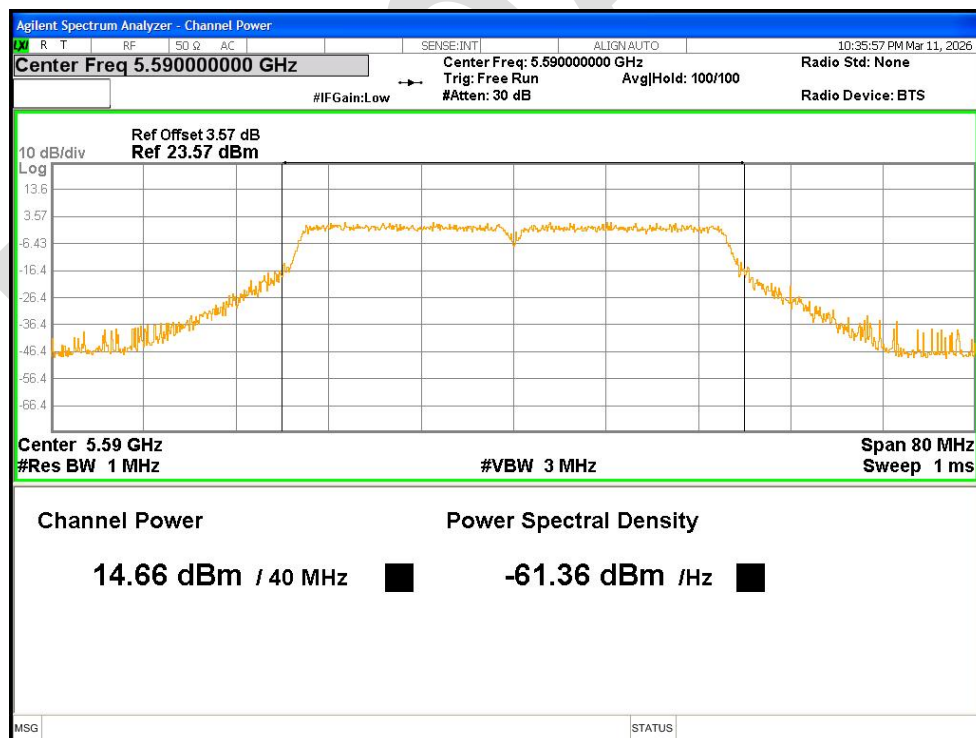
Power NVNT n40 5310MHz Ant1



Power NVNT n40 5510MHz Ant1



Power NVNT n40 5590MHz Ant1



Power NVNT n40 5670MHz Ant1