

Table of contents

Frequency Range	2
Occupied Channel Bandwidth	4
RF Output Power	12
Spurious Emission	14
Receiver spurious emissions	15
Receiver Blocking	16

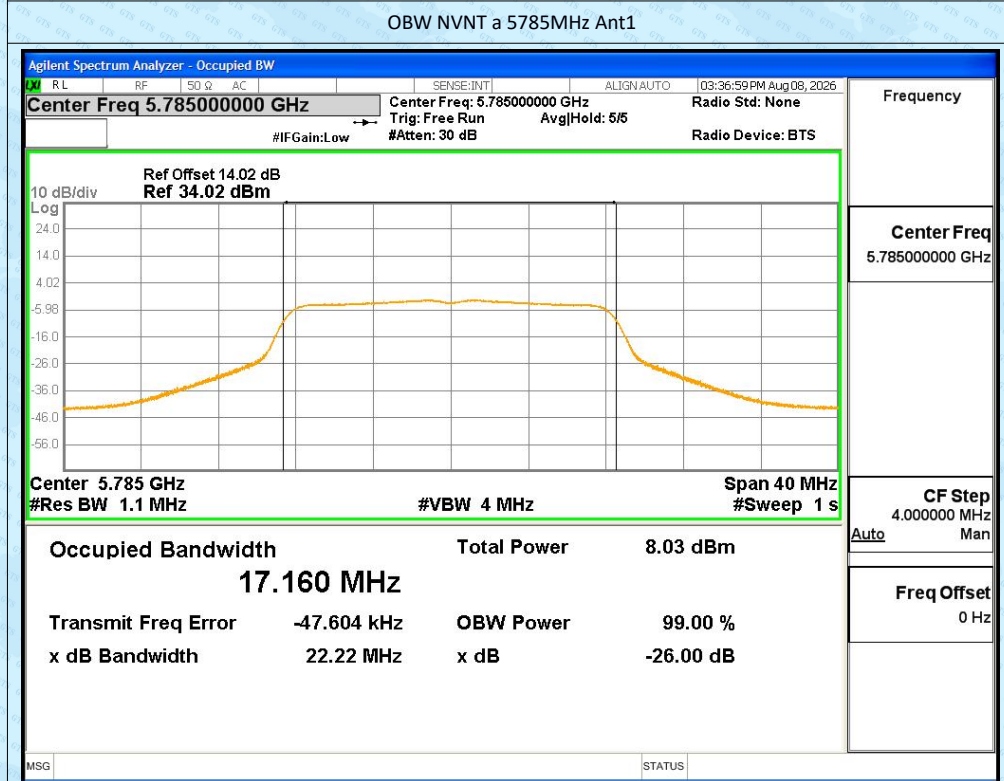
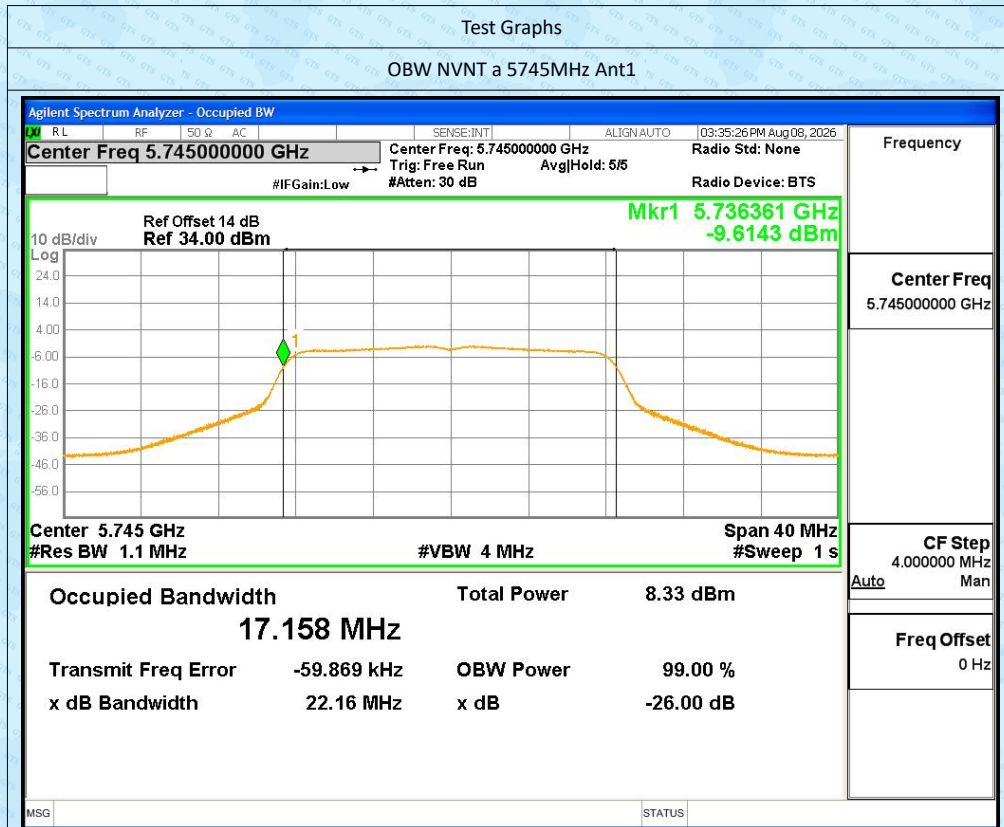
Frequency Range

Condition	Mode	Frequency (MHz)	Antenna	Frequency Range (MHz)	Limit (MHz)	Verdict
NVNT	a	5745	Ant1	5735.68	>=5725	Pass
		5825		5834.12	<=5875	Pass
	n20	5745		5735.08	>=5725	Pass
		5825		5834.6	<=5875	Pass
	n40	5755		5736.16	>=5725	Pass
		5795		5813.72	<=5875	Pass
	ac20	5745		5734.84	>=5725	Pass
		5825		5834.6	<=5875	Pass
	ac40	5755		5736.16	>=5725	Pass
		5795		5813.78	<=5875	Pass
	ac80	5775		5813.4	<=5875	Pass
LVLT	a	5745	Ant1	5735.52	>=5725	Pass
		5825		5834.24	<=5875	Pass
	n20	5745		5735.04	>=5725	Pass
		5825		5834.84	<=5875	Pass
	n40	5755		5736.16	>=5725	Pass
		5795		5813.6	<=5875	Pass
	ac20	5745		5735.08	>=5725	Pass
		5825		5834.88	<=5875	Pass
	ac40	5755		5736.16	>=5725	Pass
		5795		5813.54	<=5875	Pass
	ac80	5775		5813.4	<=5875	Pass
LVHT	a	5745	Ant1	5735.24	>=5725	Pass
		5825		5834.12	<=5875	Pass
	n20	5745		5735.08	>=5725	Pass
		5825		5834.6	<=5875	Pass
	n40	5755		5736.1	>=5725	Pass
		5795		5813.72	<=5875	Pass
	ac20	5745		5735.28	>=5725	Pass
		5825		5834.84	<=5875	Pass
	ac40	5755		5736.16	>=5725	Pass
		5795		5813.6	<=5875	Pass
	ac80	5775		5813.4	<=5875	Pass
HVLt	a	5745	Ant1	5735.24	>=5725	Pass
		5825		5834.04	<=5875	Pass
	n20	5745		5735.08	>=5725	Pass
		5825		5834.84	<=5875	Pass
	n40	5755		5736.16	>=5725	Pass
		5795		5813.72	<=5875	Pass
	ac20	5745		5735.24	>=5725	Pass
		5825		5834.8	<=5875	Pass

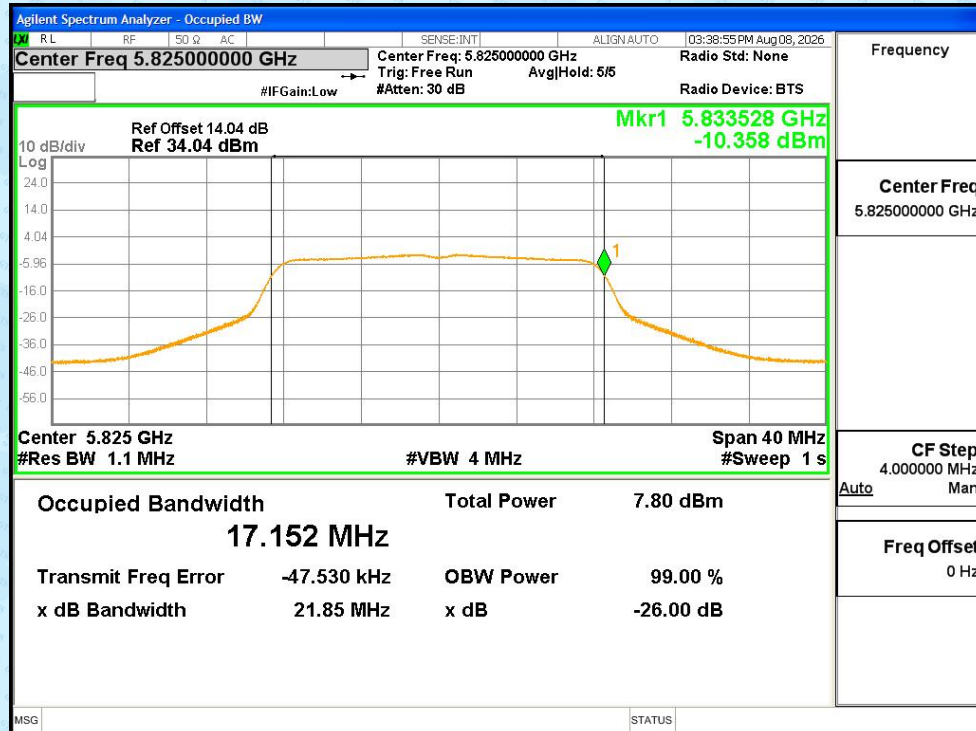
	ac40	5755		5736.16	>=5725	Pass
		5795		5813.54	<=5875	Pass
	ac80	5775		5813.4	<=5875	Pass
HVHT	a	5745	Ant1	5735.6	>=5725	Pass
		5825		5834.24	<=5875	Pass
	n20	5745		5735.12	>=5725	Pass
		5825		5834.64	<=5875	Pass
	n40	5755		5736.16	>=5725	Pass
		5795		5813.72	<=5875	Pass
	ac20	5745		5735.24	>=5725	Pass
		5825		5834.8	<=5875	Pass
	ac40	5755		5736.16	>=5725	Pass
		5795		5813.54	<=5875	Pass
	ac80	5775		5813.4	<=5875	Pass

Occupied Channel Bandwidth

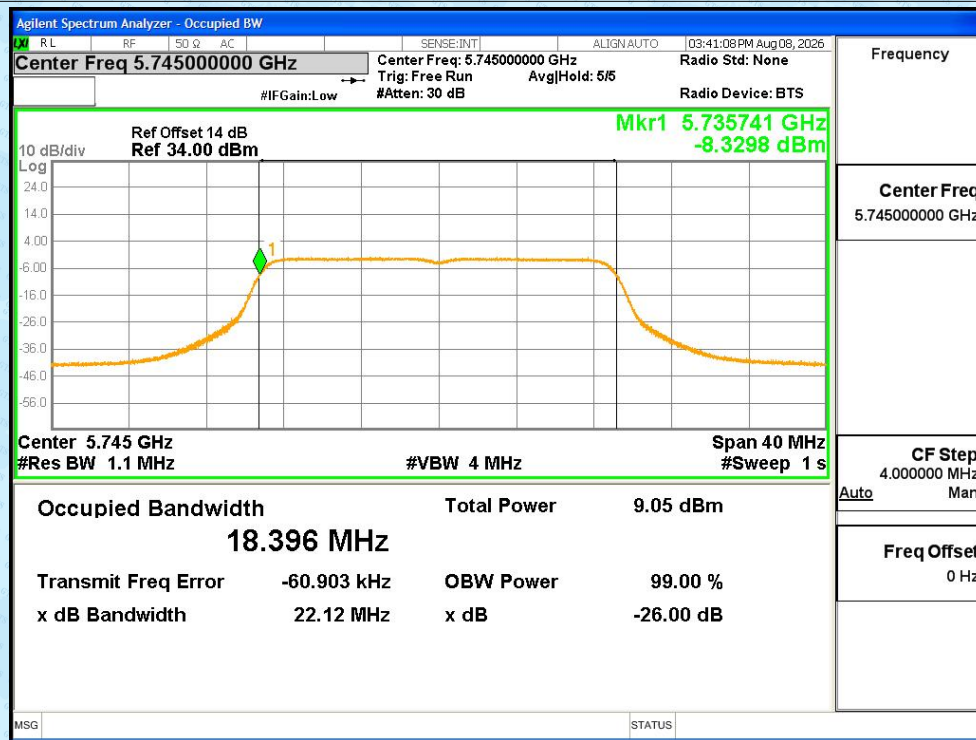
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Verdict
NVNT	a	5745		5744.94	17.158	Pass
		5785		5784.952	17.16	Pass
		5825		5824.952	17.152	Pass
	n20	5745		5744.939	18.396	Pass
		5785		5784.954	18.392	Pass
		5825		5824.951	18.397	Pass
	n40	5755		5754.914	36.648	Pass
		5795		5794.961	36.647	Pass
	ac20	5745		5744.938	18.394	Pass
		5785		5784.946	18.391	Pass
		5825		5824.95	18.4	Pass
	ac40	5755		5754.935	36.646	Pass
		5795		5794.947	36.654	Pass
	ac80	5775		5774.905	76.125	Pass



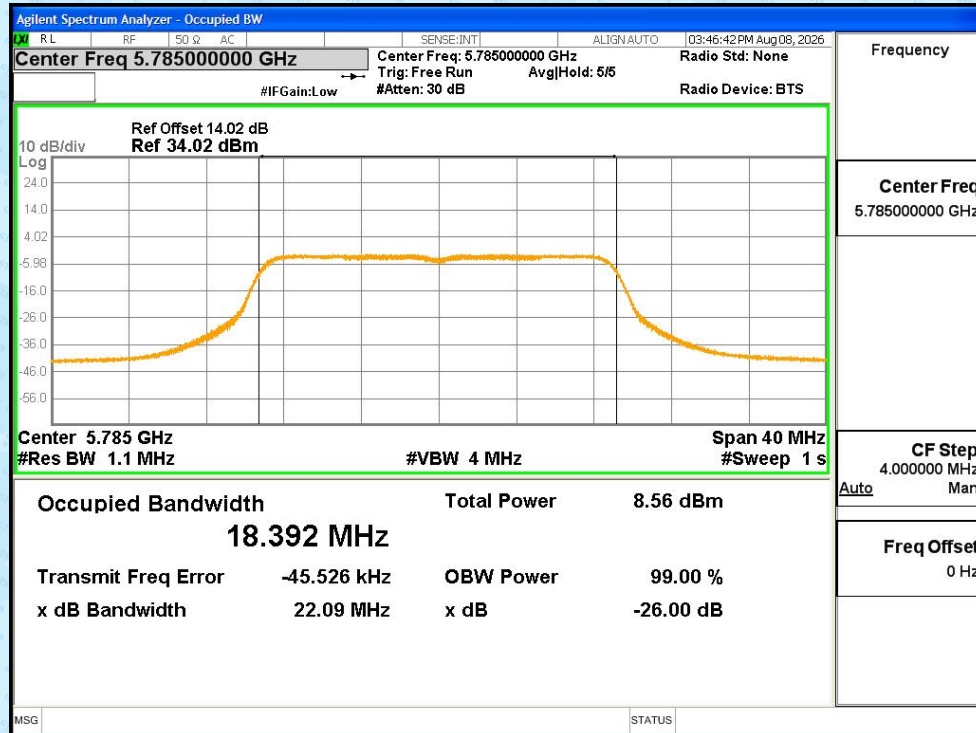
OBW NVNT a 5825MHz Ant1



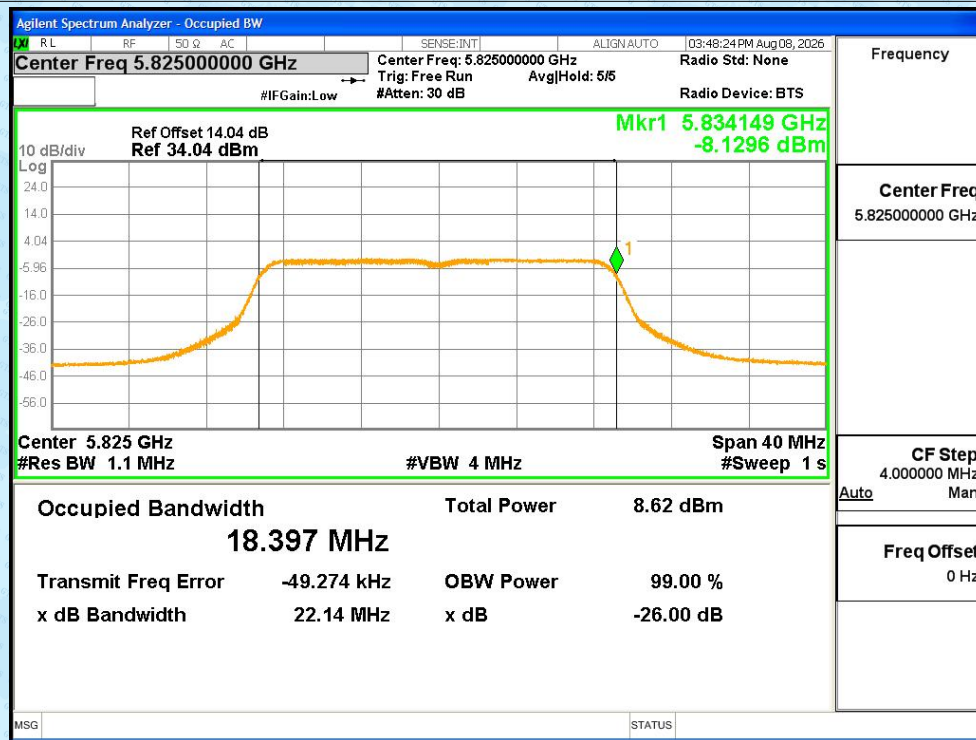
OBW NVNT n20 5745MHz Ant1



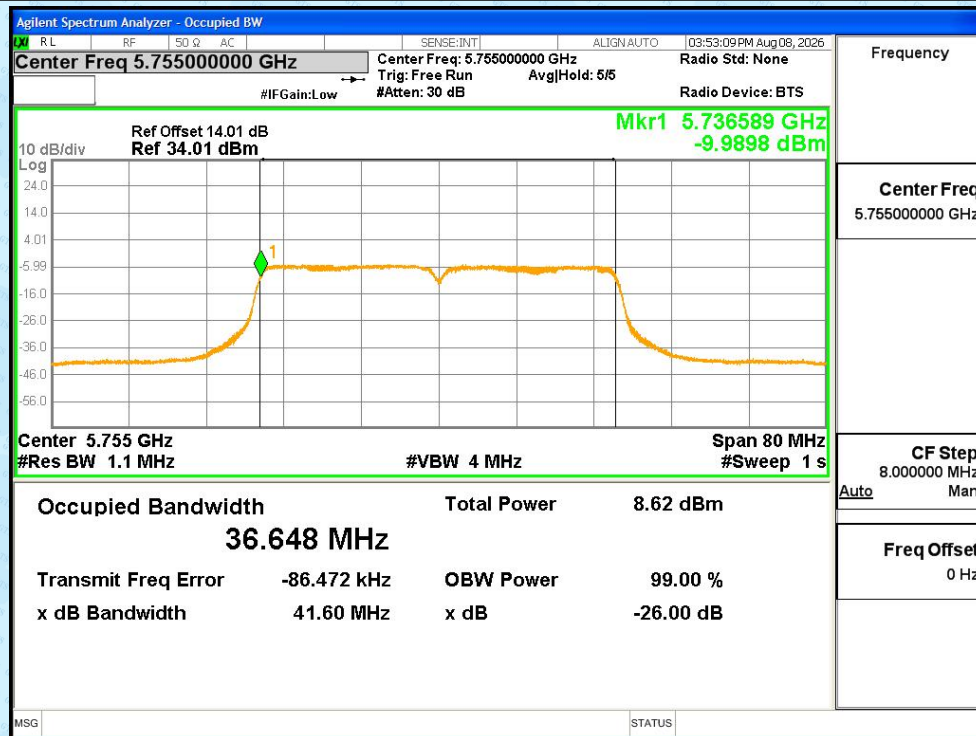
OBW NVNT n20 5785MHz Ant1



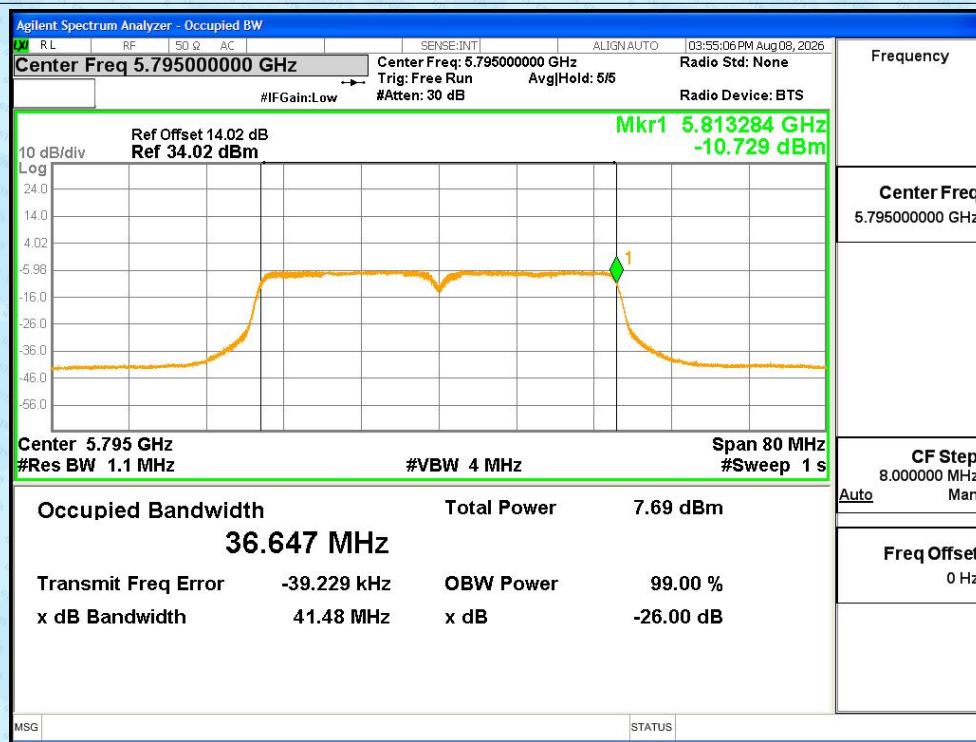
OBW NVNT n20 5825MHz Ant1

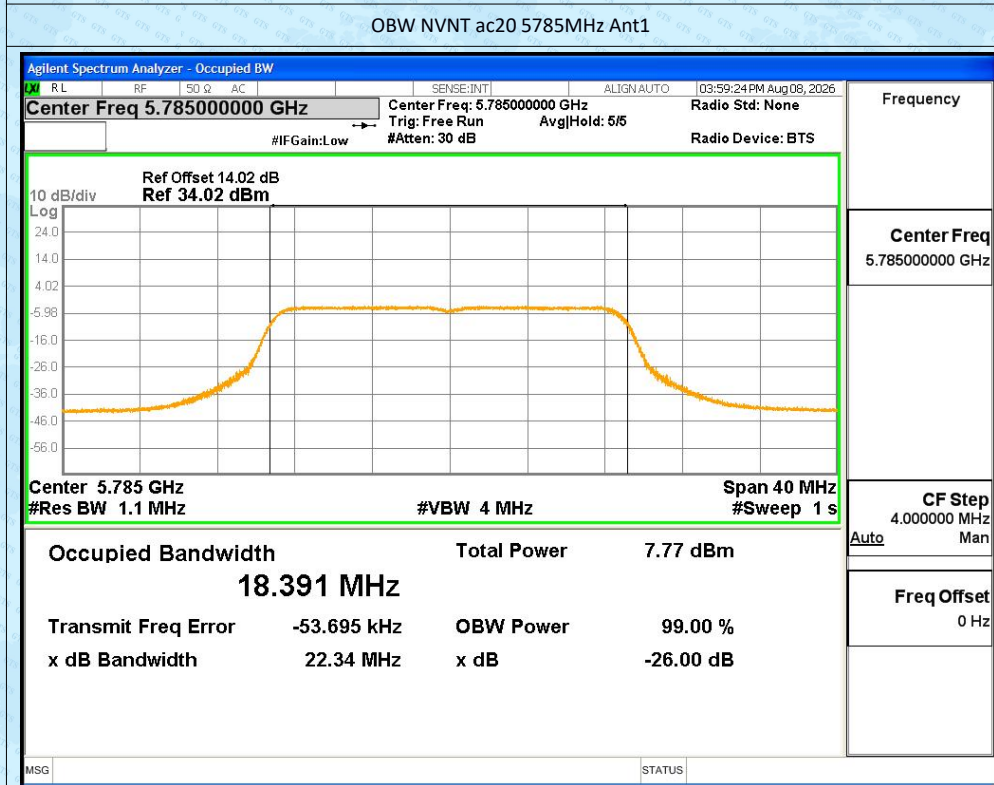
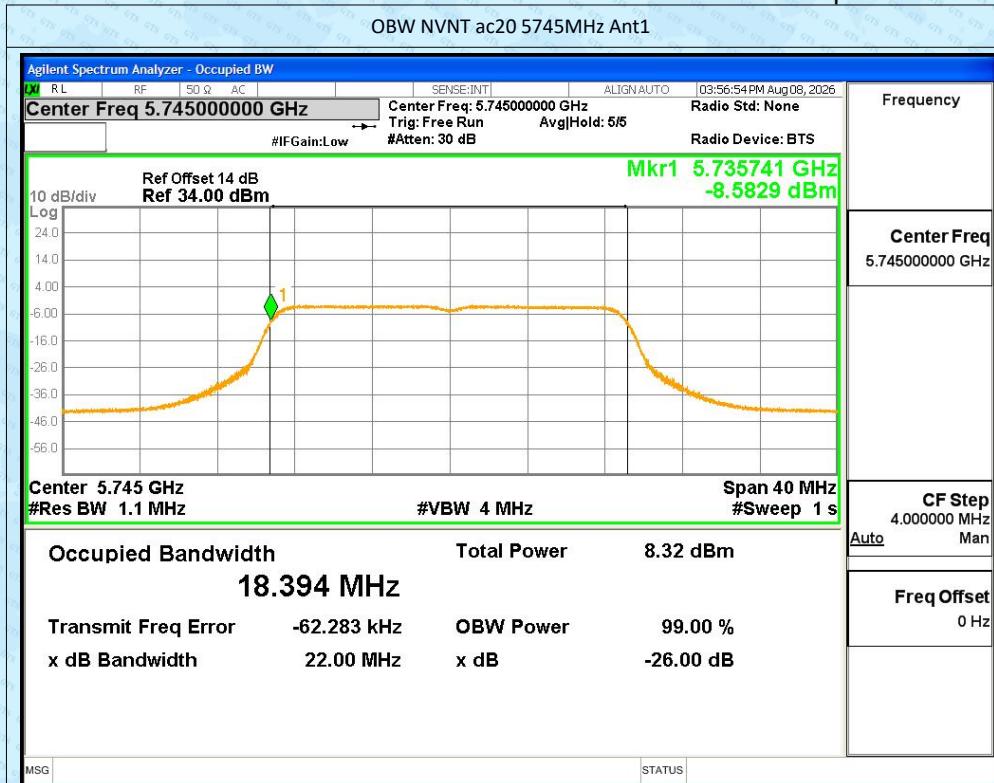


OBW NVNT n40 5755MHz Ant1

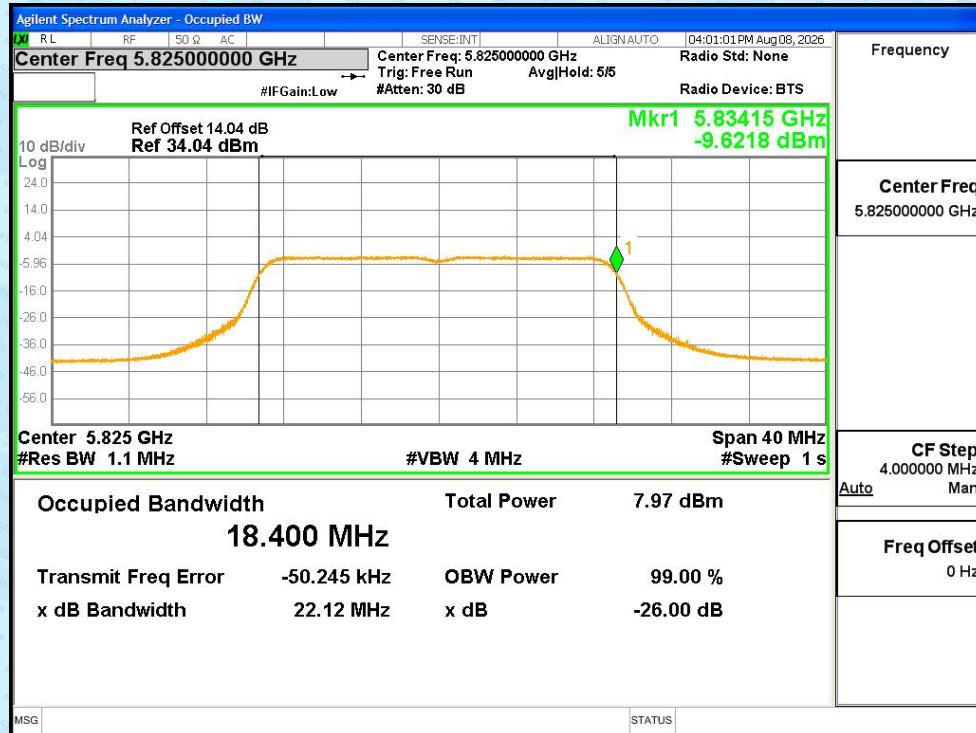


OBW NVNT n40 5795MHz Ant1

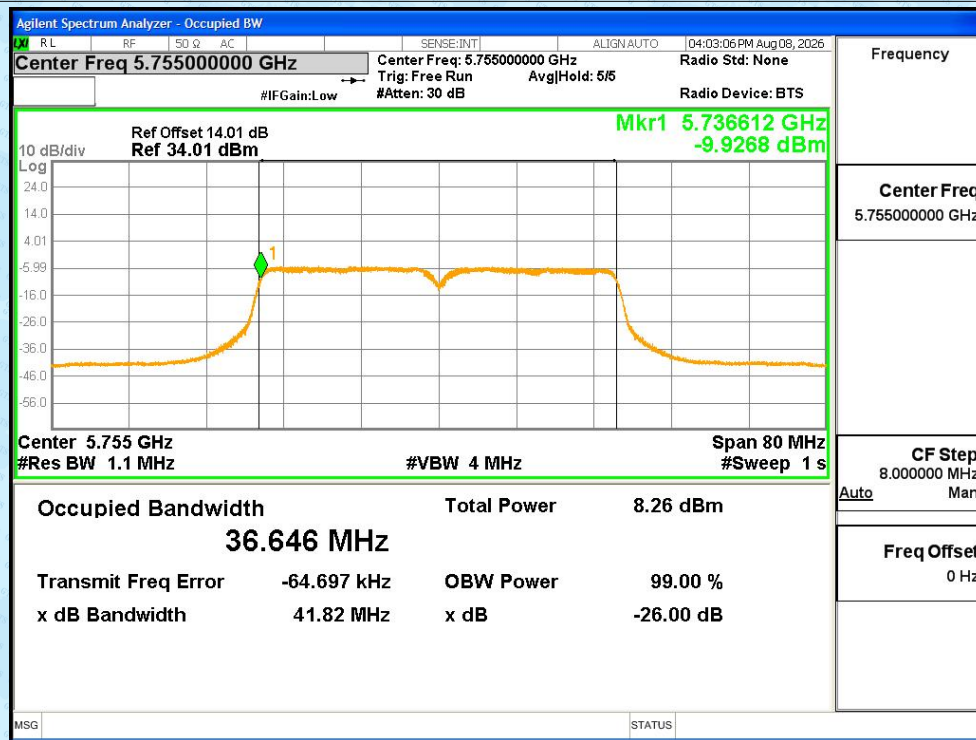


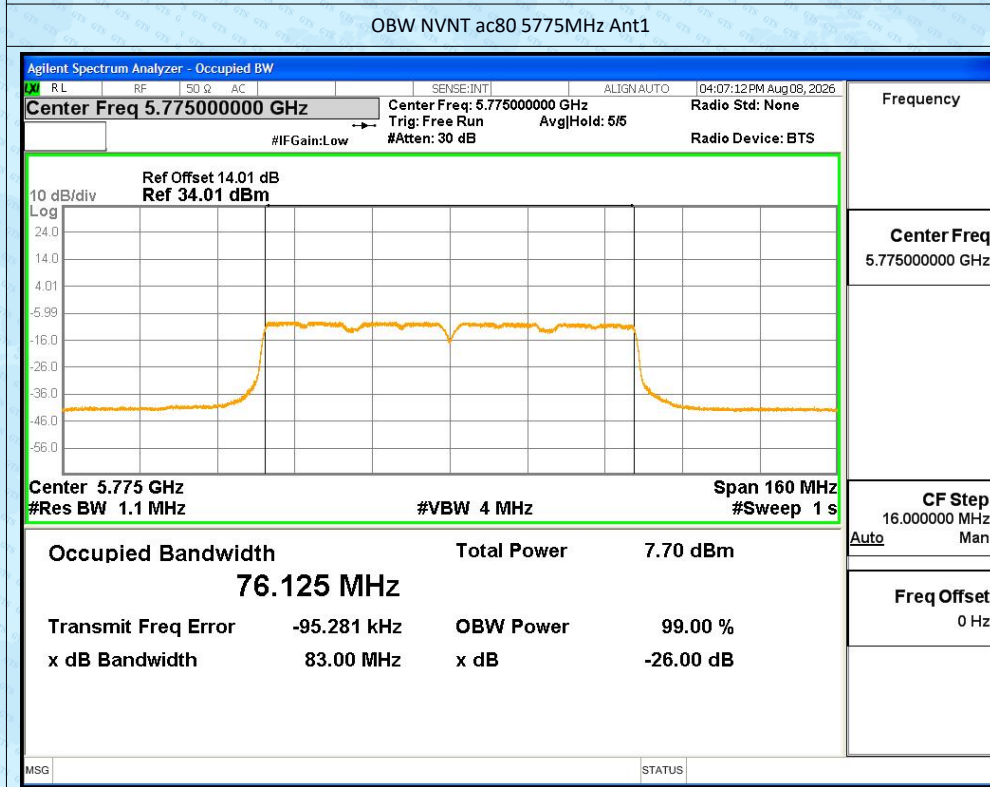
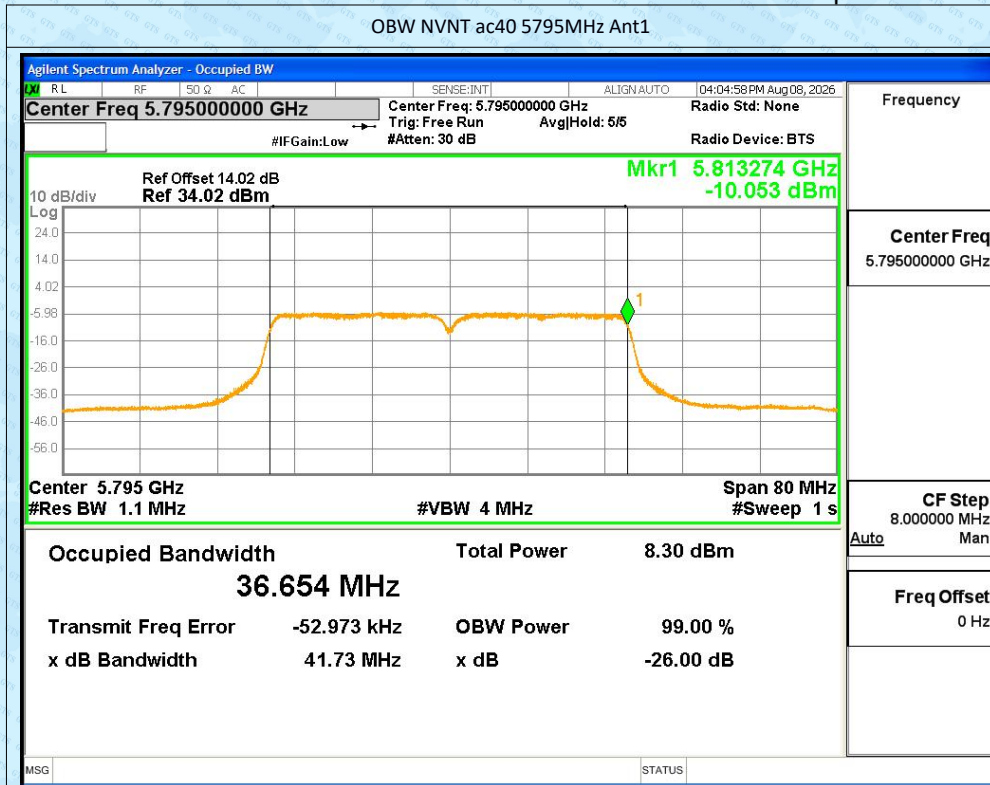


OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1





RF Output Power

Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.34	49	12.37	13.98	Pass
		5785		10.87	49	11.9	13.98	Pass
		5825		10.93	50	11.96	13.98	Pass
	n20	5745		12.04	385	13.07	13.98	Pass
		5785		11.78	386	12.81	13.98	Pass
		5825		11.68	386	12.71	13.98	Pass
	n40	5755		12.09	501	13.12	13.98	Pass
		5795		10.69	501	11.72	13.98	Pass
		5825		11.38	380	12.41	13.98	Pass
	ac20	5745		10.82	380	11.85	13.98	Pass
		5785		10.88	379	11.91	13.98	Pass
		5825		12.13	501	13.16	13.98	Pass
	ac40	5755		11.53	501	12.56	13.98	Pass
		5795		11.71	501	12.74	13.98	Pass
	ac80	5775		11.38	49	12.41	13.98	Pass
LVL	a	5745	Ant1	10.94	49	11.97	13.98	Pass
		5785		10.96	49	11.99	13.98	Pass
		5825		12.06	385	13.09	13.98	Pass
	n20	5745		11.73	385	12.76	13.98	Pass
		5785		11.72	386	12.75	13.98	Pass
		5825		12.10	501	13.13	13.98	Pass
	n40	5755		11.45	501	12.48	13.98	Pass
		5795		12.06	380	13.09	13.98	Pass
		5825		11.73	380	12.76	13.98	Pass
	ac20	5745		11.64	379	12.67	13.98	Pass
		5785		12.00	501	13.03	13.98	Pass
		5825		11.45	501	12.48	13.98	Pass
	ac40	5755		11.55	501	12.58	13.98	Pass
		5795		11.36	49	12.39	13.98	Pass
		5775		10.99	50	12.02	13.98	Pass
LVHT	a	5745	Ant1	10.91	50	11.94	13.98	Pass
		5785		12.08	385	13.11	13.98	Pass
		5825		11.67	385	12.7	13.98	Pass
	n20	5745		11.62	385	12.65	13.98	Pass
		5785		12.06	501	13.09	13.98	Pass
		5825		11.41	501	12.44	13.98	Pass
	n40	5755		12.08	380	13.11	13.98	Pass
		5795		11.69	380	12.72	13.98	Pass
		5825		11.60	380	12.63	13.98	Pass
	ac20	5745		12.03	501	13.06	13.98	Pass
		5785						
		5825						
	ac40	5755						

HVL	ac80	5795	Ant1	11.47	501	12.5	13.98	Pass
		5775		11.61	501	12.64	13.98	Pass
	a	5745		11.39	50	12.42	13.98	Pass
		5785		10.93	50	11.96	13.98	Pass
		5825		10.91	50	11.94	13.98	Pass
	n20	5745		12.04	386	13.07	13.98	Pass
		5785		11.65	385	12.68	13.98	Pass
		5825		11.66	385	12.69	13.98	Pass
	n40	5755		12.03	501	13.06	13.98	Pass
		5795		11.48	501	12.51	13.98	Pass
	ac20	5745		12.12	380	13.15	13.98	Pass
		5785		11.76	379	12.79	13.98	Pass
		5825		11.65	380	12.68	13.98	Pass
	ac40	5755		12.00	501	13.03	13.98	Pass
		5795		11.42	501	12.45	13.98	Pass
	ac80	5775		11.63	501	12.66	13.98	Pass
HVHT	a	5745	Ant1	11.32	50	12.35	13.98	Pass
		5785		11.04	49	12.07	13.98	Pass
		5825		10.98	50	12.01	13.98	Pass
	n20	5745		12.15	386	13.18	13.98	Pass
		5785		11.69	386	12.72	13.98	Pass
		5825		11.66	386	12.69	13.98	Pass
	n40	5755		12.02	501	13.05	13.98	Pass
		5795		11.46	501	12.49	13.98	Pass
		5745		12.06	380	13.09	13.98	Pass
	ac20	5785		11.71	380	12.74	13.98	Pass
		5825		11.69	380	12.72	13.98	Pass
		5755		11.98	501	13.01	13.98	Pass
	ac40	5795		11.38	501	12.41	13.98	Pass
		5775		11.61	501	12.64	13.98	Pass

Spurious Emission

802.11a mode lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
30.44	V	-65.68	-36	Pass
73.33	V	-62.62	-54	
11490.00	V	-47.96	-30	
73.85	H	-68.45	-36	
972.38	H	-64.15	-54	
11490.00	H	-49.32	-30	
802.11a mode Highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
30.20	V	-65.71	-36	Pass
75.11	V	-62.03	-54	
11650.00	V	-49.00	-30	
73.93	H	-68.37	-36	
971.60	H	-64.64	-54	
11650.00	H	-49.21	-30	
Remark: Standby mode the observed value were the noise floor , which were not recorded.				

Note: All of the EUT Configure Mode were tested and found 802.11a mode is the worst mode, the worst case is recorded in this report.

Receiver spurious emissions

802.11a mode lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
31.09	Vertical	-64.81	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
53.15	V	-64.14		
11490.00	V	-57.64		
75.72	Horizontal	-65.71		
229.83	H	-68.63		
11490.00	H	-62.85		
802.11a mode Highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
31.75	Vertical	-61.58	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
55.28	V	-64.07		
11650.00	V	-57.75		
73.00	Horizontal	-66.00		
224.90	H	-68.81		
11650.00	H	-61.04		

Note: All of the EUT Configure Mode were tested and found 802.11a mode is the worst mode, the worst case is recorded in this report.

Receiver Blocking

Condition	Mode	Frequency (MHz)	Antenna	Pmin (dBm)	Wanted Power (dBm)	Blocking Frequency (MHz)	Blocking Power (dBm)	Limit (dBm)	PER (%)	Verdict
NVNT	a	5745	Ant1	-60	Pmin+3	4878.521	-50	-57.53	0	Pass
				-60	Pmin+3	5393.261	-50	-57.53	0	Pass
				-60	Pmin+3	5564.841	-50	-57.53	0	Pass
				-60	Pmin+3	5925.159	-50	-57.53	0	Pass
				-60	Pmin+3	6096.739	-50	-57.53	0	Pass
				-60	Pmin+3	6611.479	-50	-57.53	0	Pass
NVNT	a	5825	Ant1	-60	Pmin+3	4958.824	-50	-57.65	0	Pass
				-60	Pmin+3	5473.384	-50	-57.65	0	Pass
				-60	Pmin+3	5644.904	-50	-57.65	0	Pass
				-60	Pmin+3	6005.096	-50	-57.65	0	Pass
				-60	Pmin+3	6176.616	-50	-57.65	0	Pass
				-60	Pmin+3	6691.176	-50	-57.65	0	Pass

-----End-----