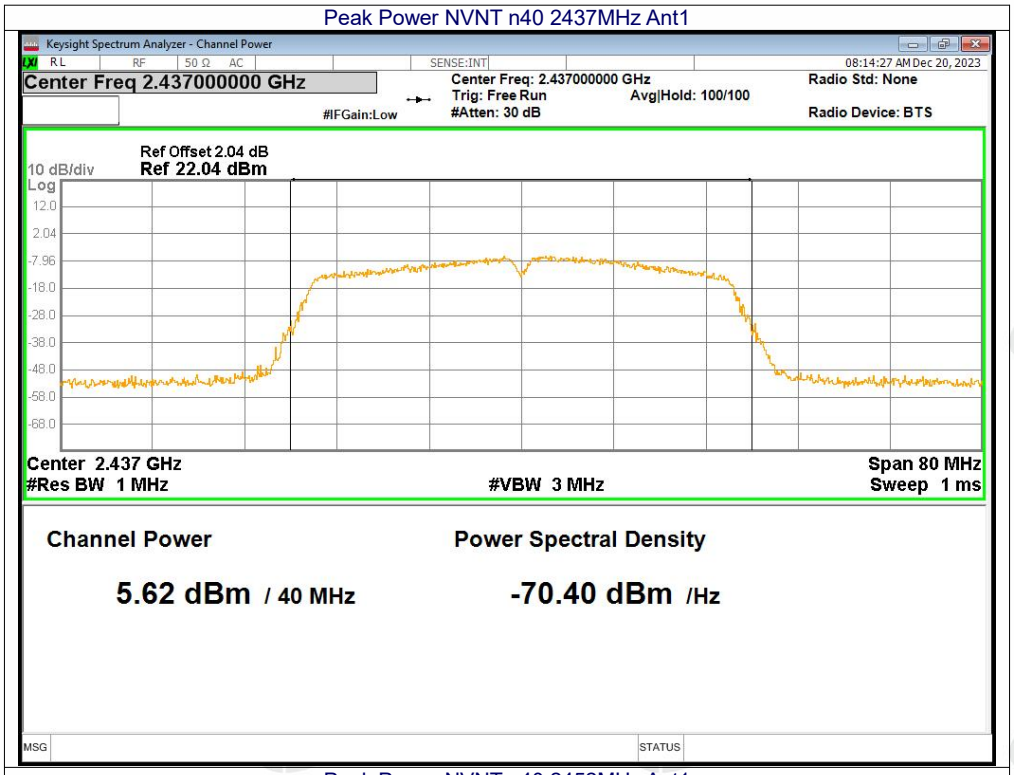
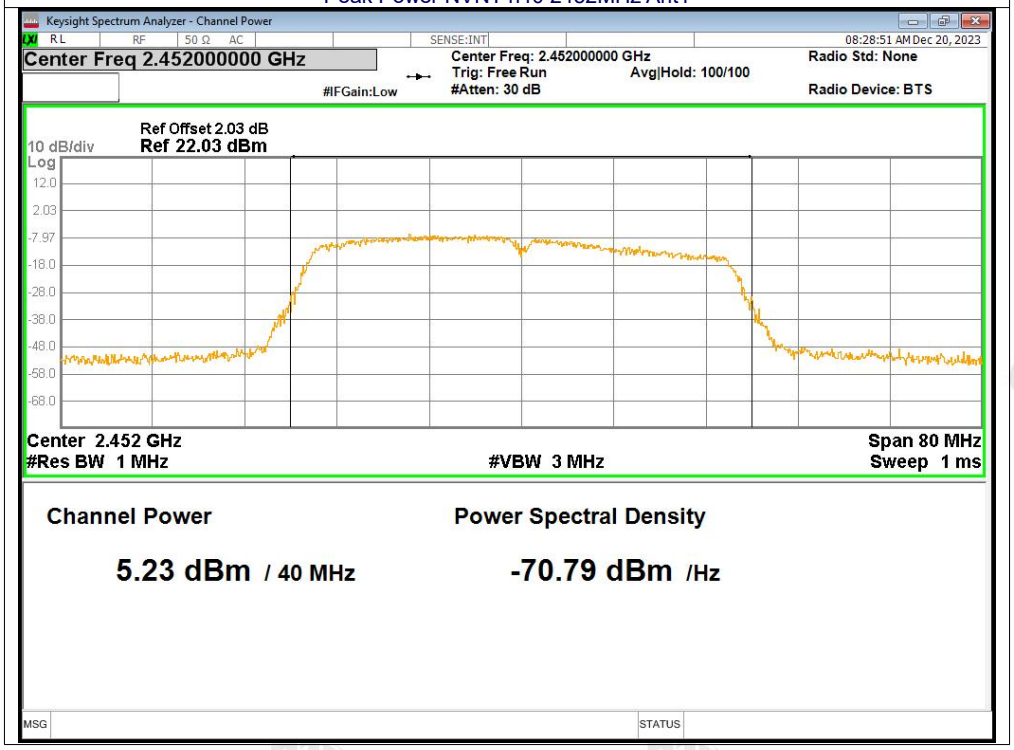
Peak Power NVNT n40 2437MHz Ant1



Peak Power NVNT n40 2452MHz Ant1

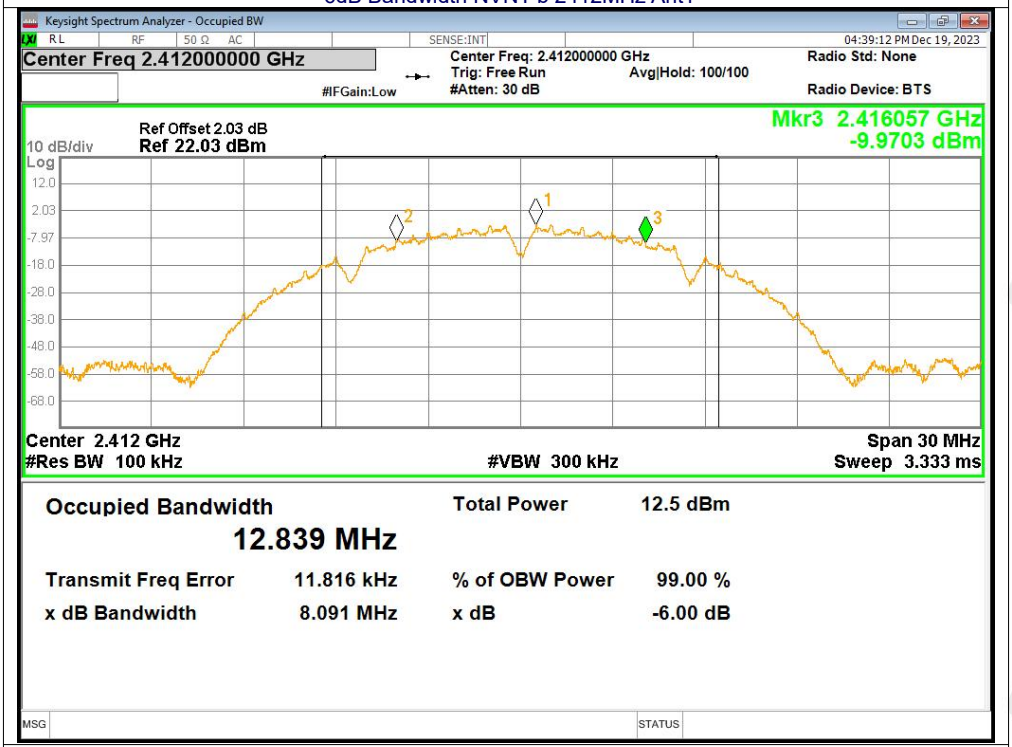


11.4 -6DB BANDWIDTH

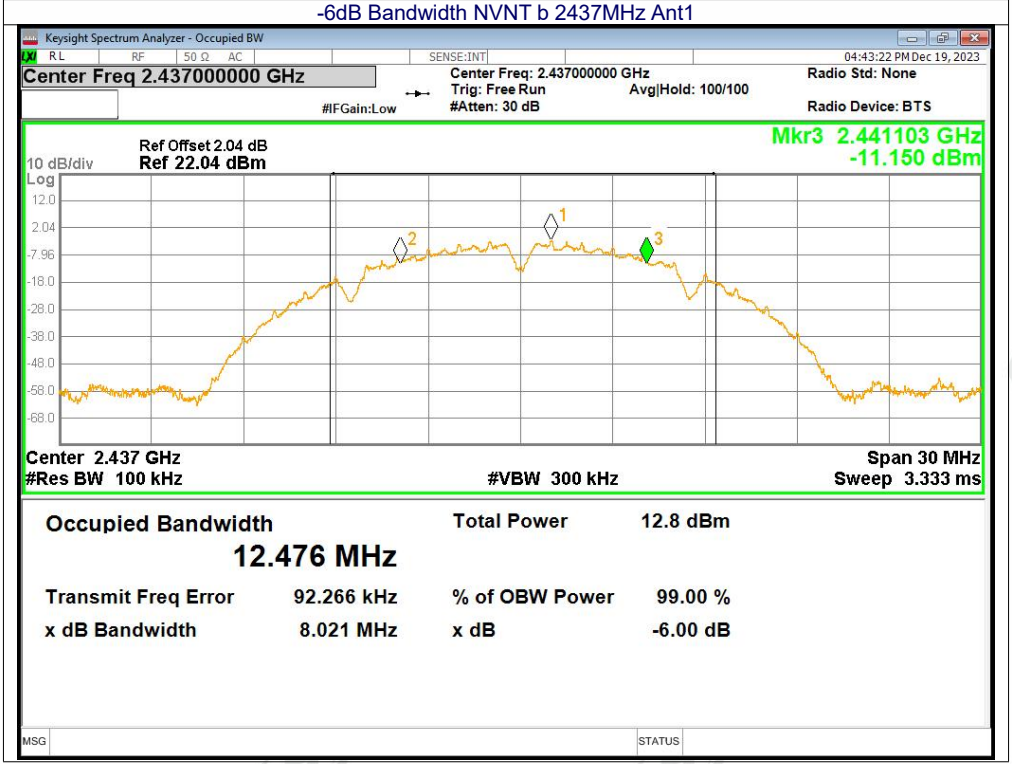
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.091	0.5	Pass
NVNT	b	2437	Ant1	8.021	0.5	Pass
NVNT	b	2462	Ant1	8.093	0.5	Pass
NVNT	g	2412	Ant1	15.114	0.5	Pass
NVNT	g	2437	Ant1	14.971	0.5	Pass
NVNT	g	2462	Ant1	15.494	0.5	Pass
NVNT	n20	2412	Ant1	15.083	0.5	Pass
NVNT	n20	2437	Ant1	15.083	0.5	Pass
NVNT	n20	2462	Ant1	16.299	0.5	Pass
NVNT	n40	2422	Ant1	34.041	0.5	Pass
NVNT	n40	2437	Ant1	28.776	0.5	Pass
NVNT	n40	2452	Ant1	28.796	0.5	Pass

Test Graphs

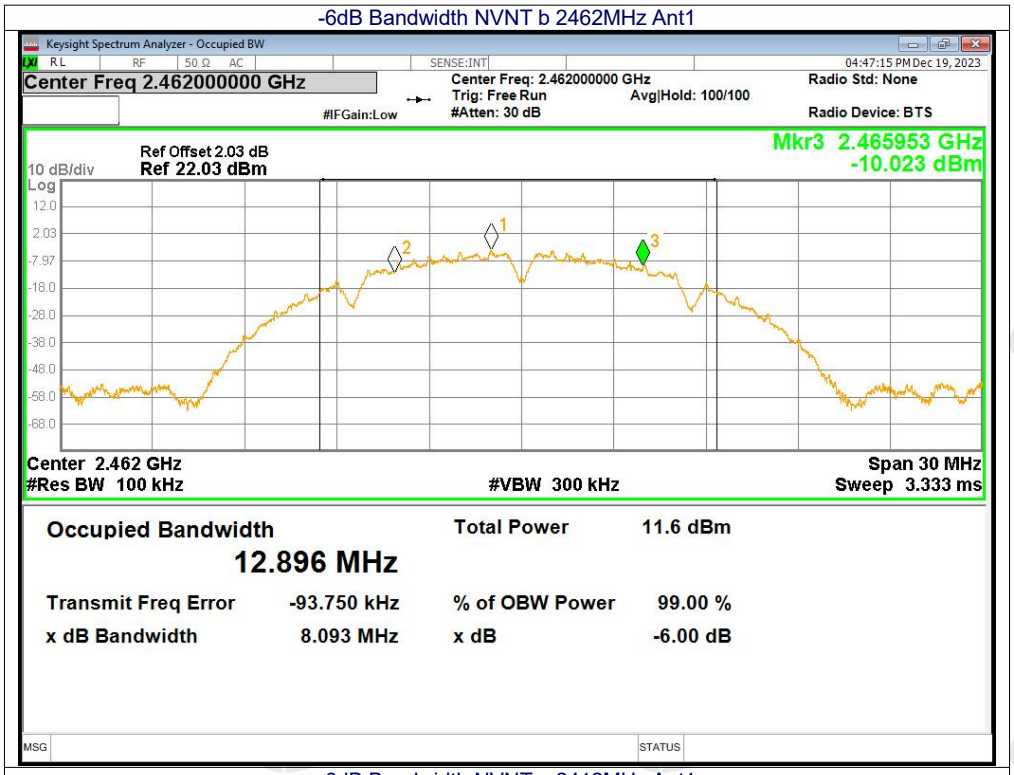
-6dB Bandwidth NVNT b 2412MHz Ant1



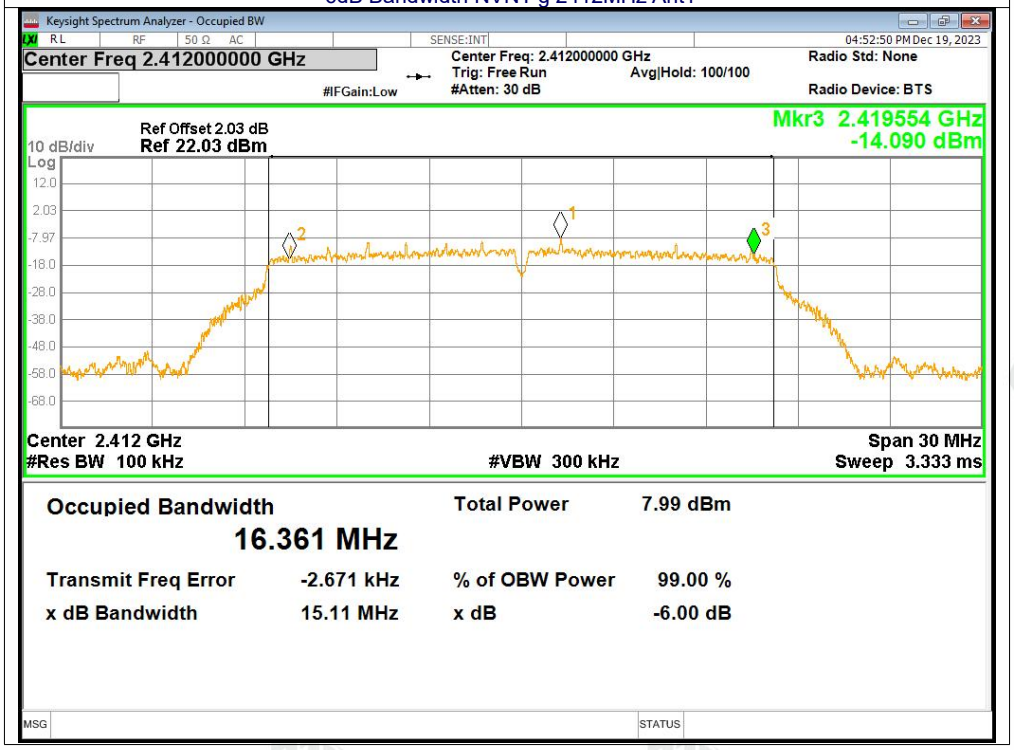
-6dB Bandwidth NVNT b 2437MHz Ant1



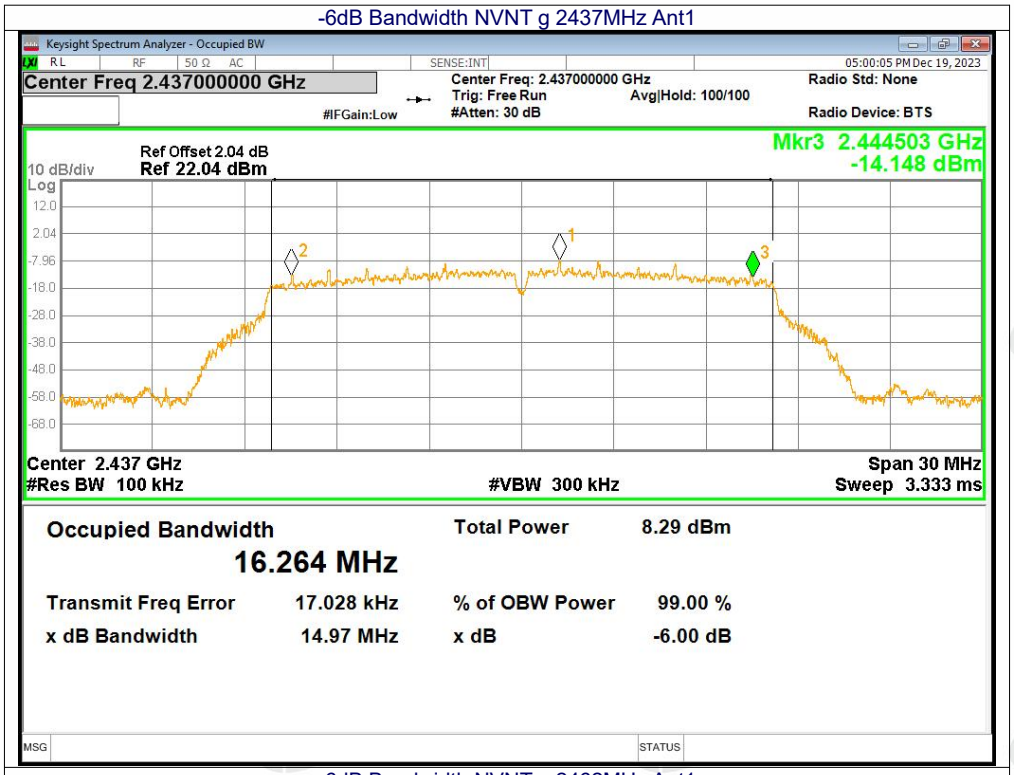
-6dB Bandwidth NVNT b 2462MHz Ant1



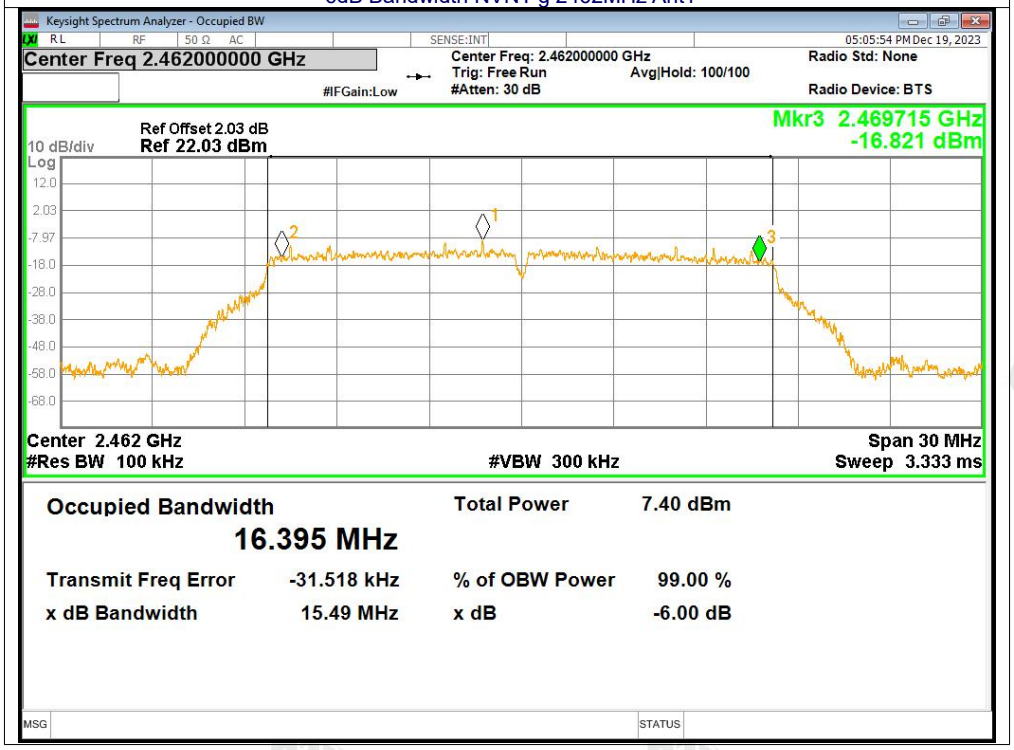
-6dB Bandwidth NVNT g 2412MHz Ant1



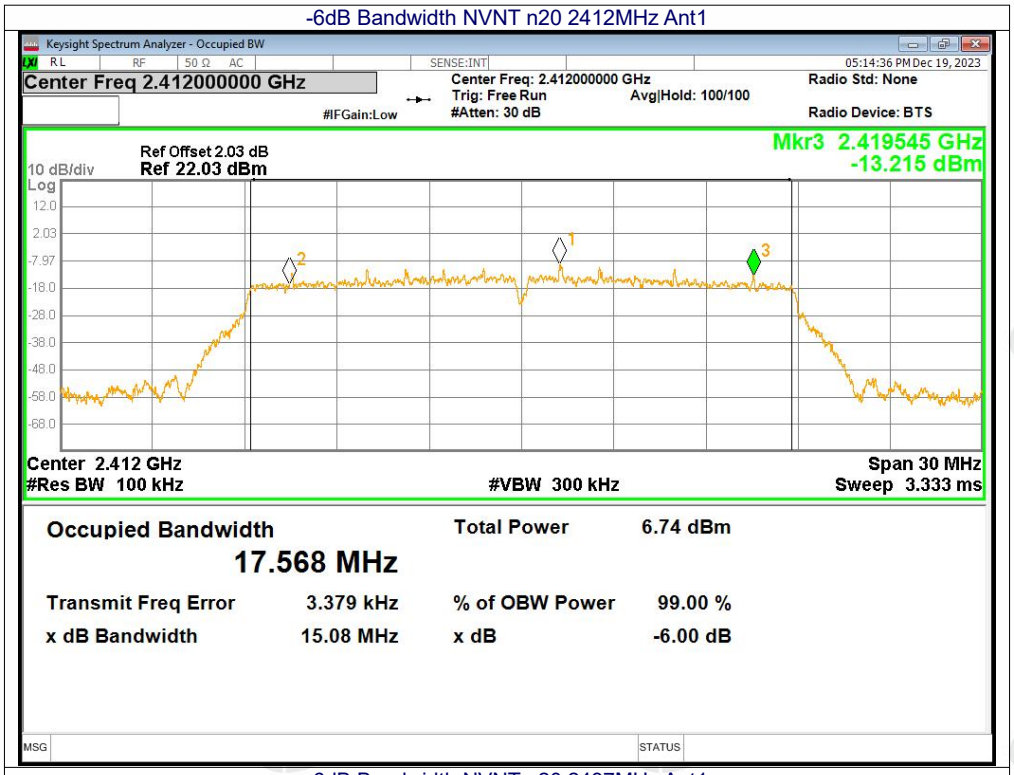
-6dB Bandwidth NVNT g 2437MHz Ant1



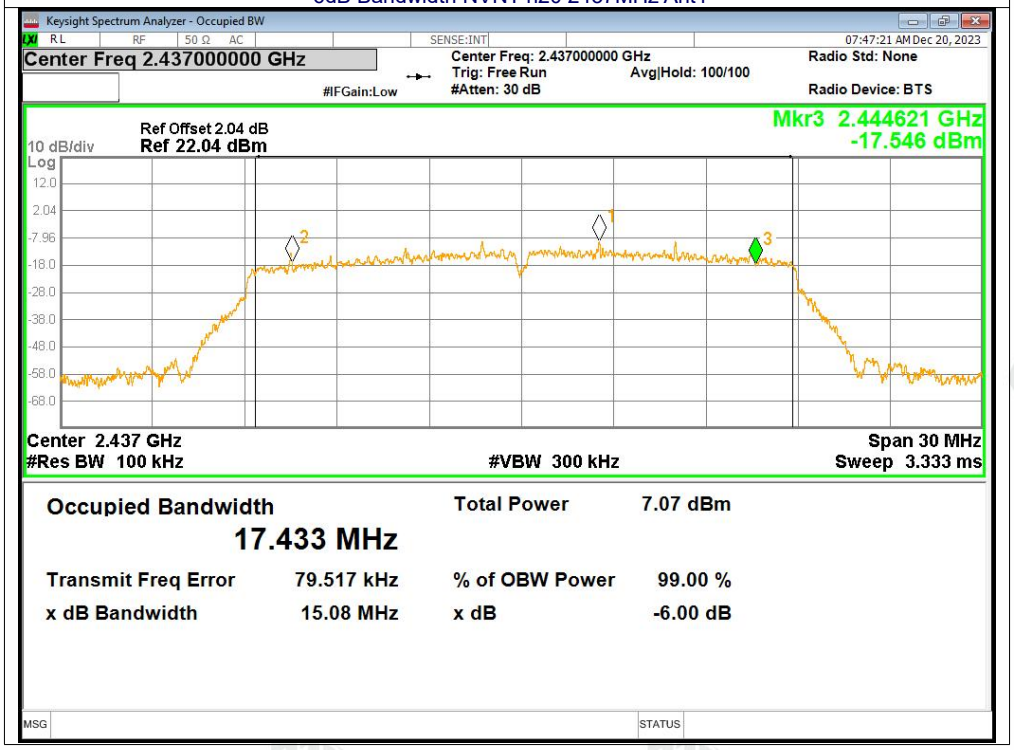
-6dB Bandwidth NVNT g 2462MHz Ant1



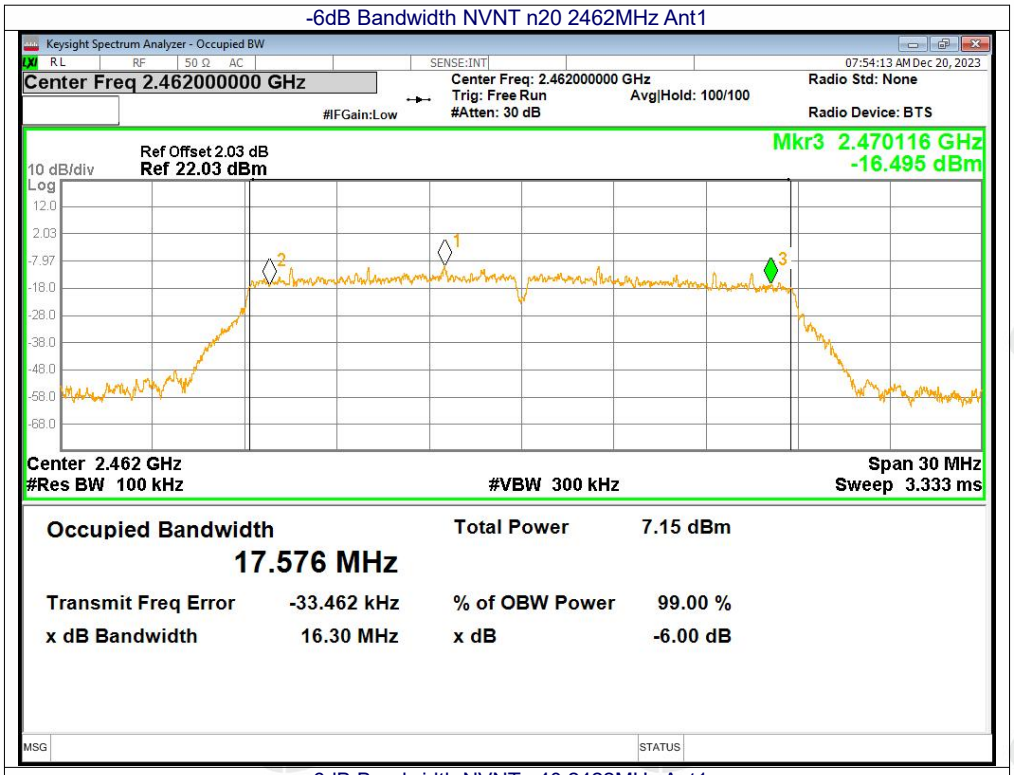
-6dB Bandwidth NVNT n20 2412MHz Ant1



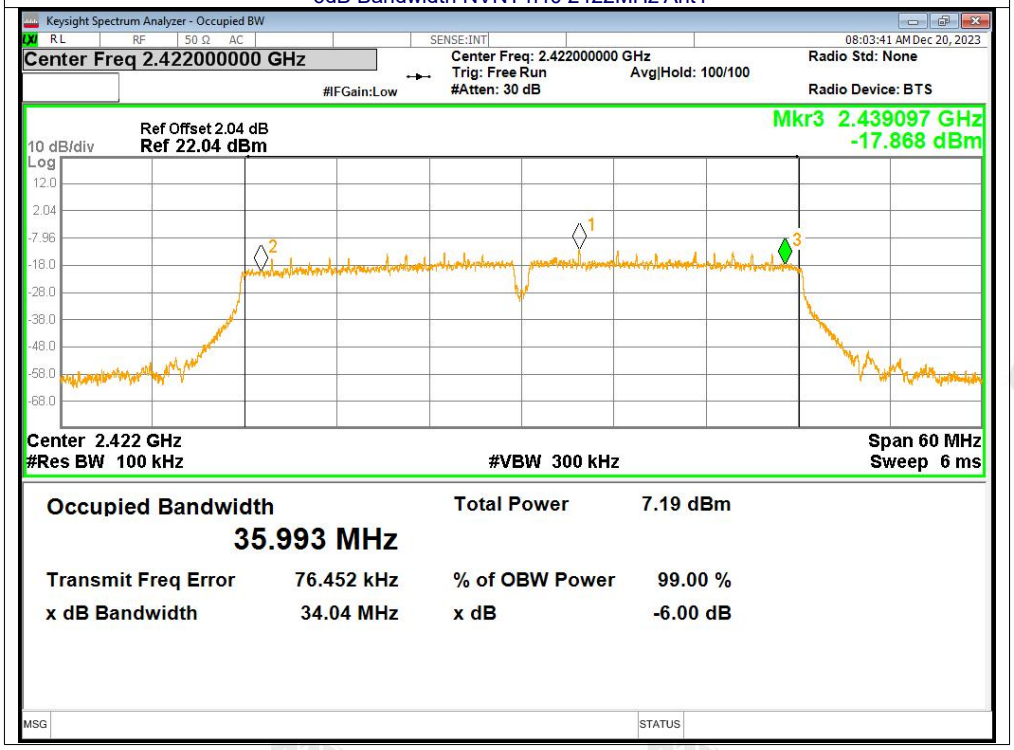
-6dB Bandwidth NVNT n20 2437MHz Ant1



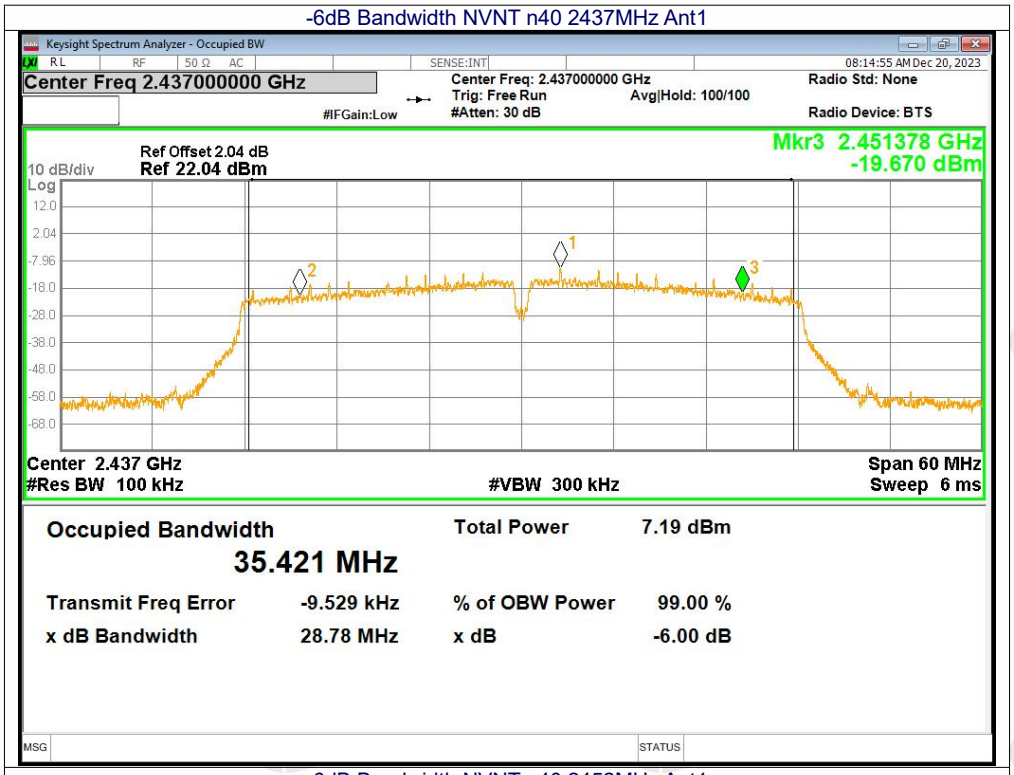
-6dB Bandwidth NVNT n20 2462MHz Ant1



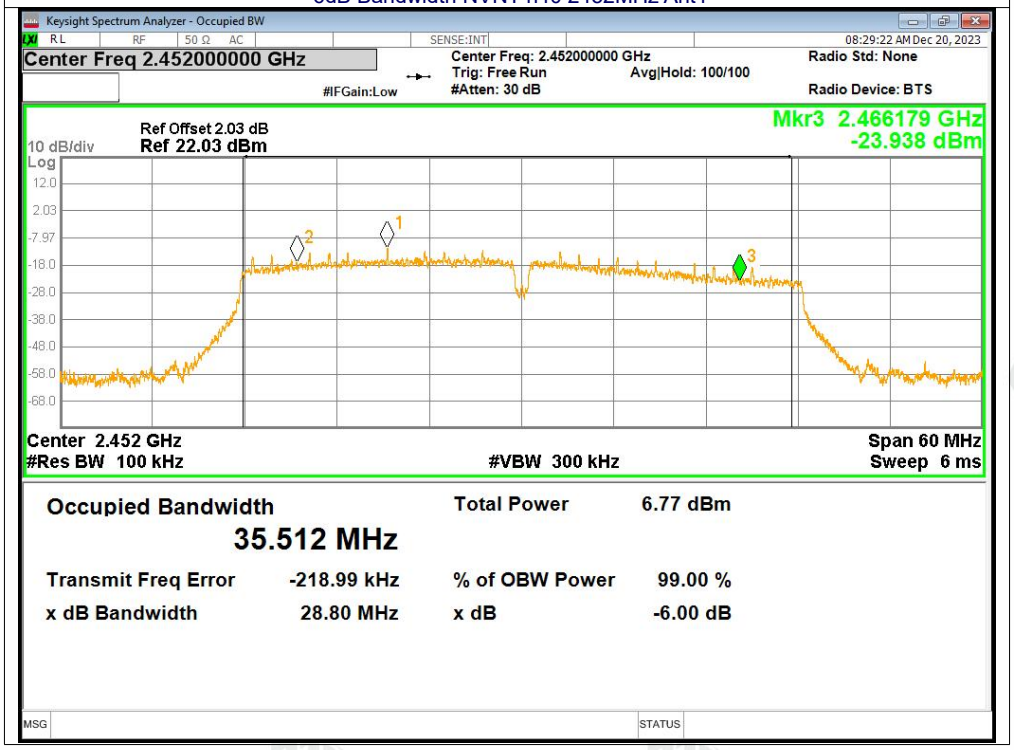
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

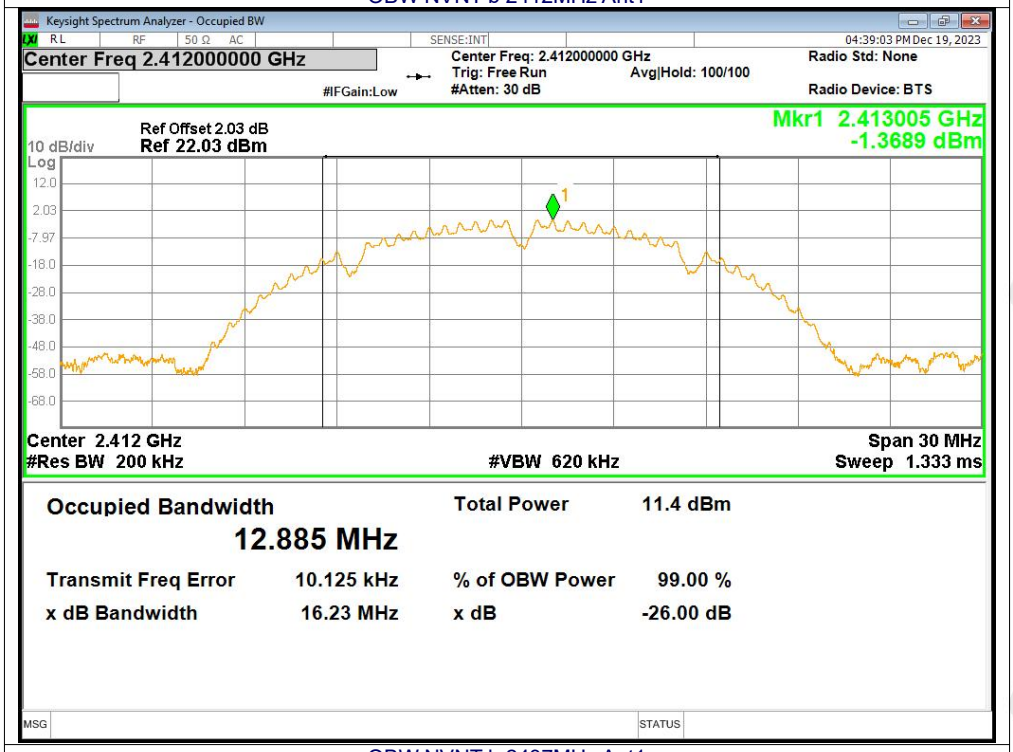


11.5 OCCUPIED CHANNEL BANDWIDTH

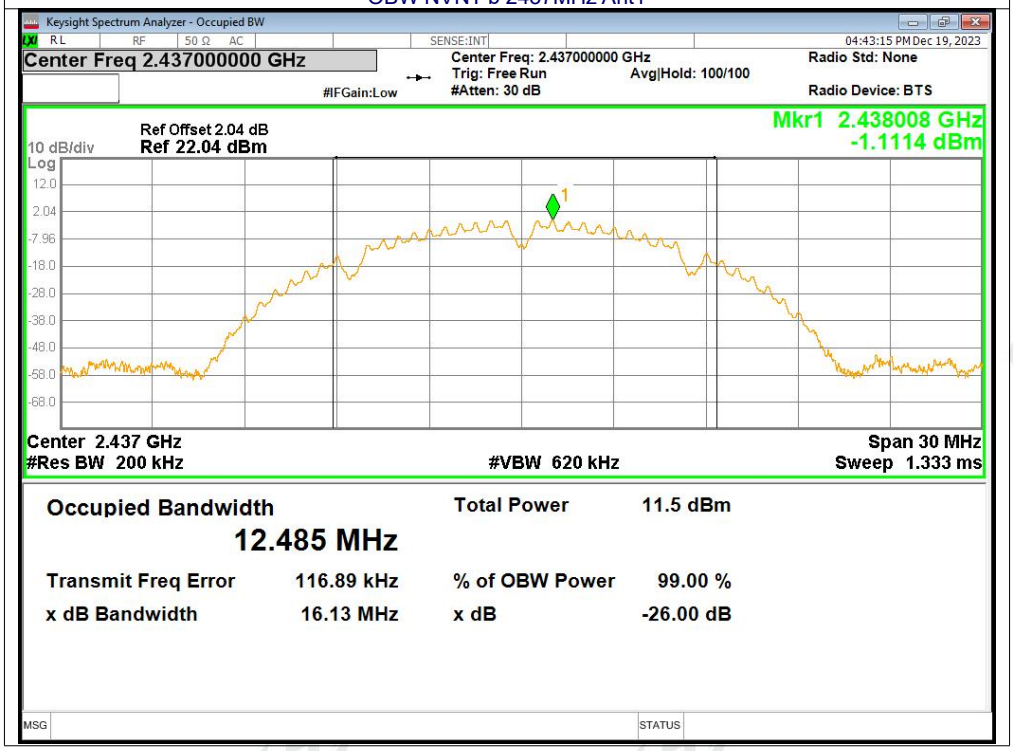
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.885
NVNT	b	2437	Ant1	12.485
NVNT	b	2462	Ant1	12.940
NVNT	g	2412	Ant1	16.478
NVNT	g	2437	Ant1	16.344
NVNT	g	2462	Ant1	16.543
NVNT	n20	2412	Ant1	17.617
NVNT	n20	2437	Ant1	17.476
NVNT	n20	2462	Ant1	17.637
NVNT	n40	2422	Ant1	36.180
NVNT	n40	2437	Ant1	35.512
NVNT	n40	2452	Ant1	35.679

Test Graphs

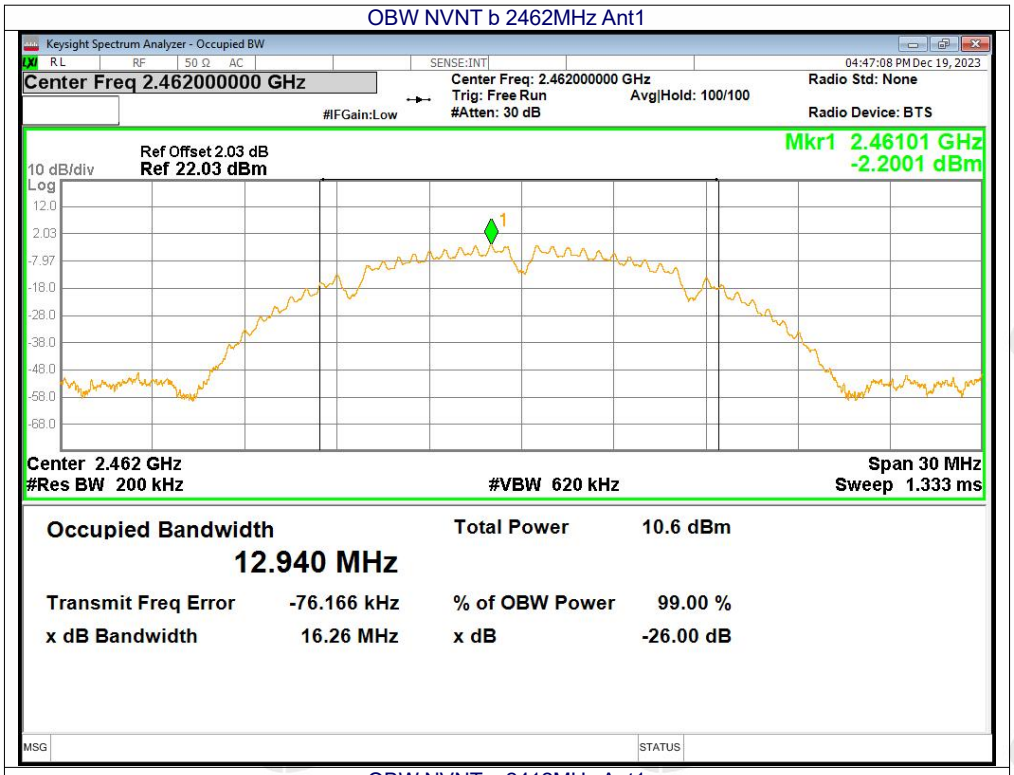
OBW NVNT b 2412MHz Ant1



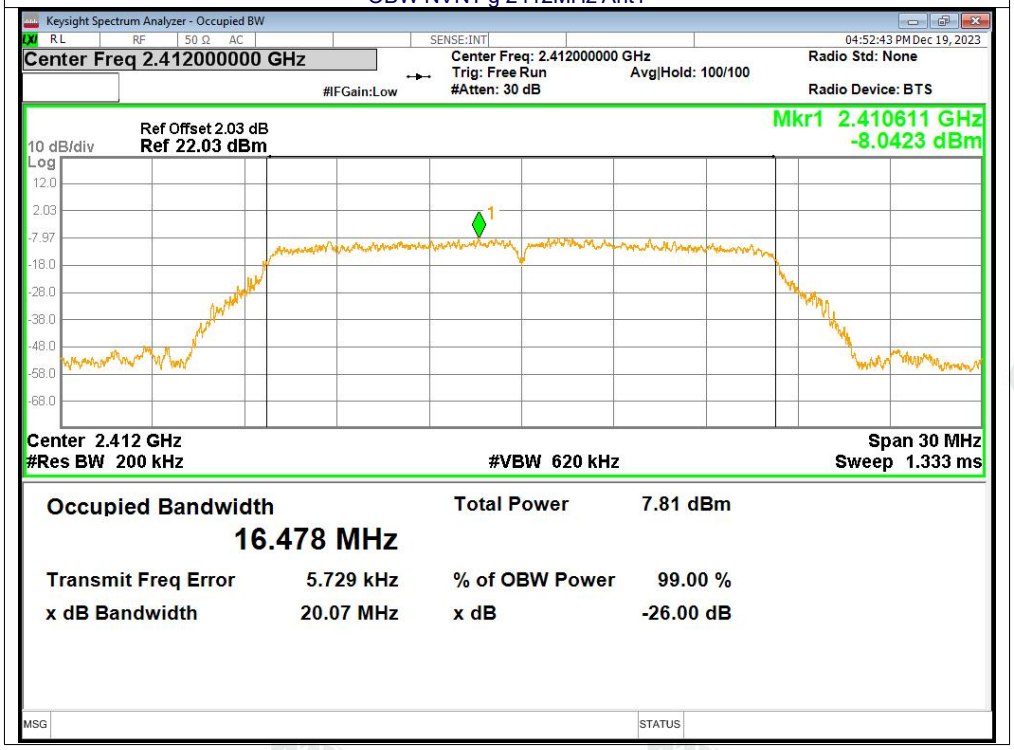
OBW NVNT b 2437MHz Ant1



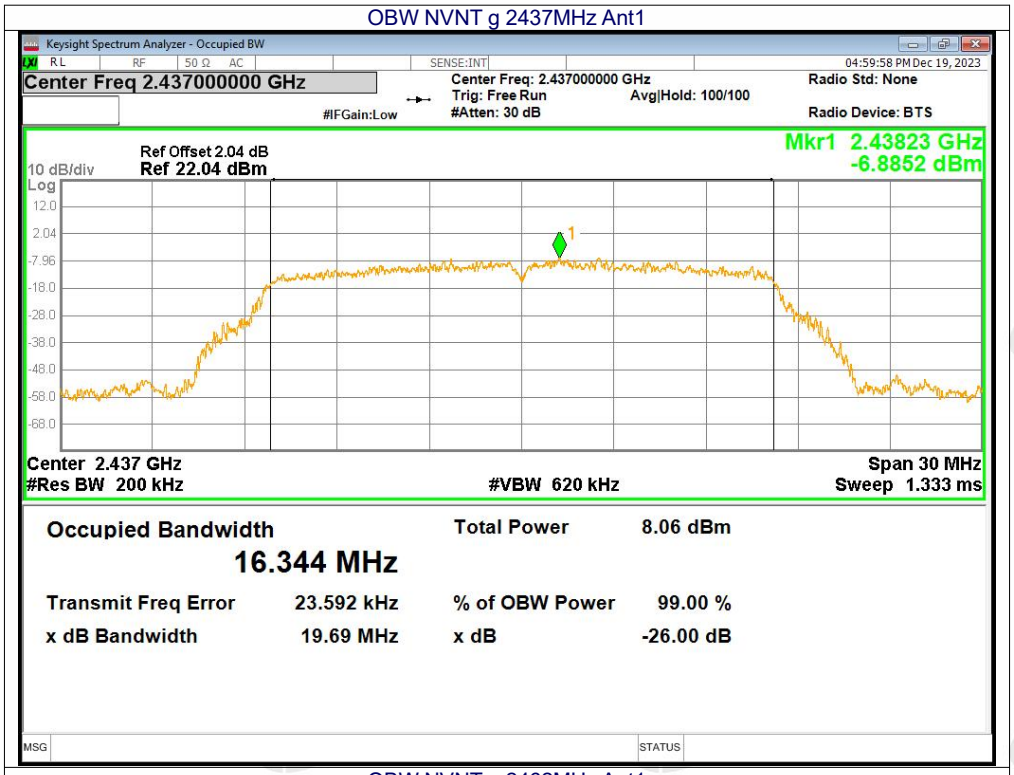
OBW NVNT b 2462MHz Ant1



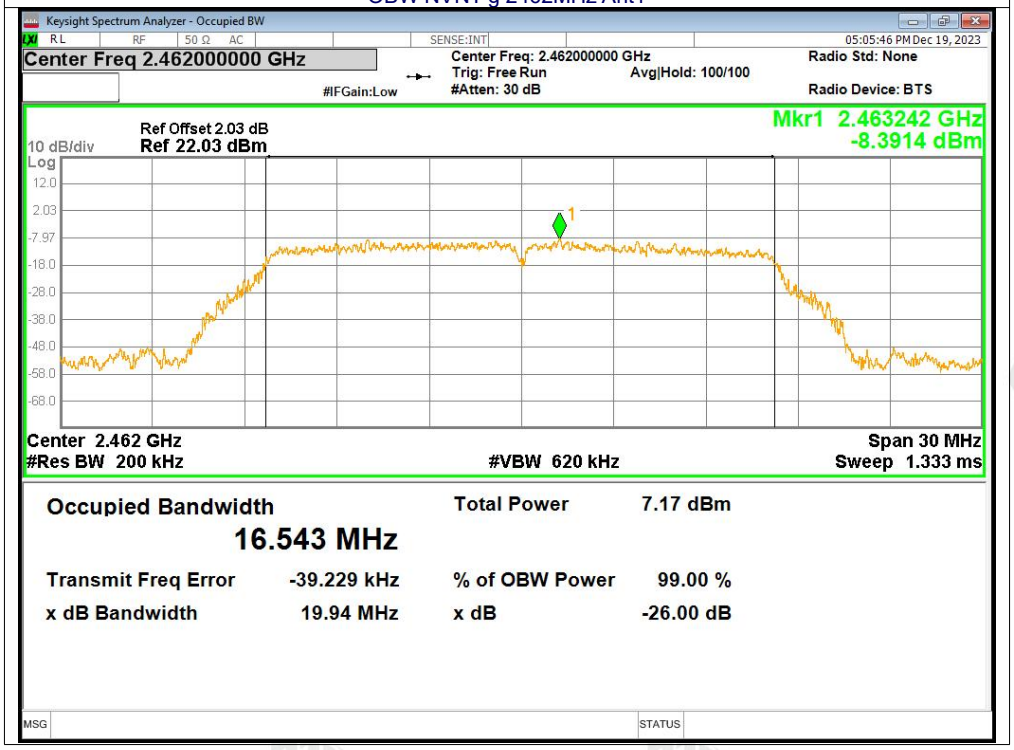
OBW NVNT g 2412MHz Ant1



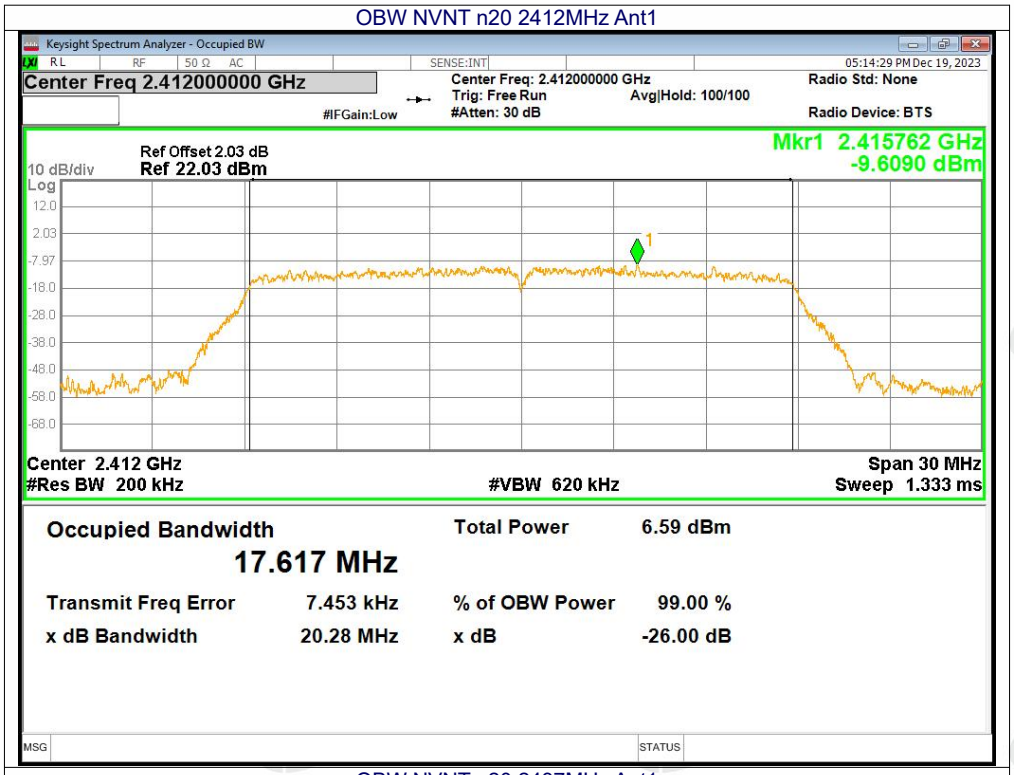
OBW NVNT g 2437MHz Ant1



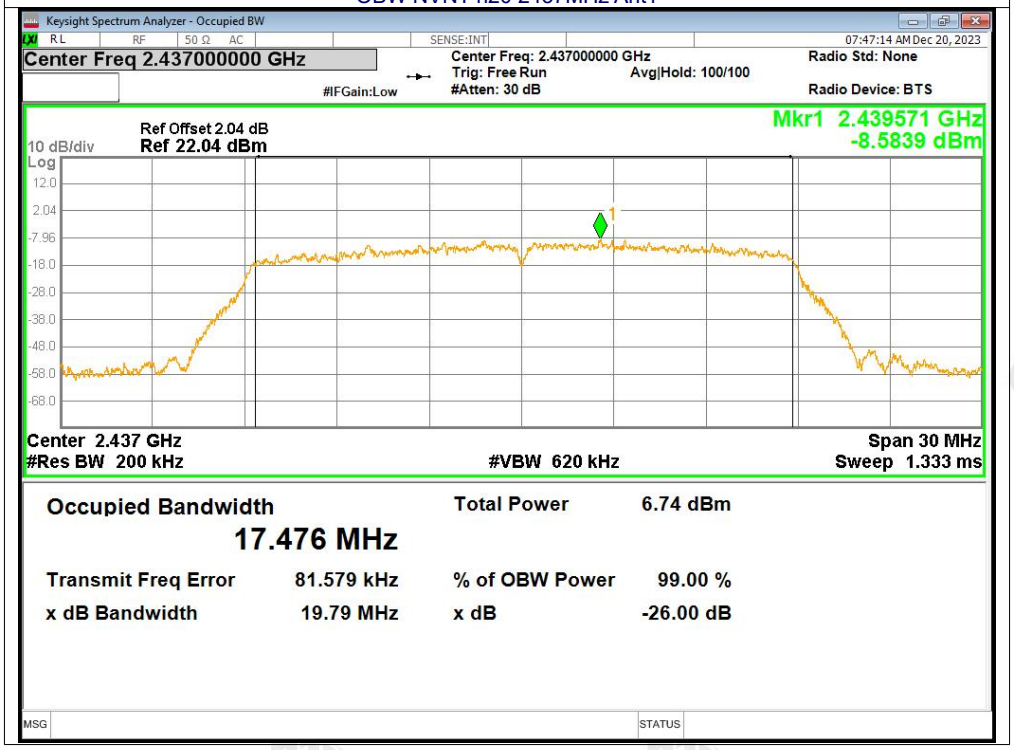
OBW NVNT g 2462MHz Ant1



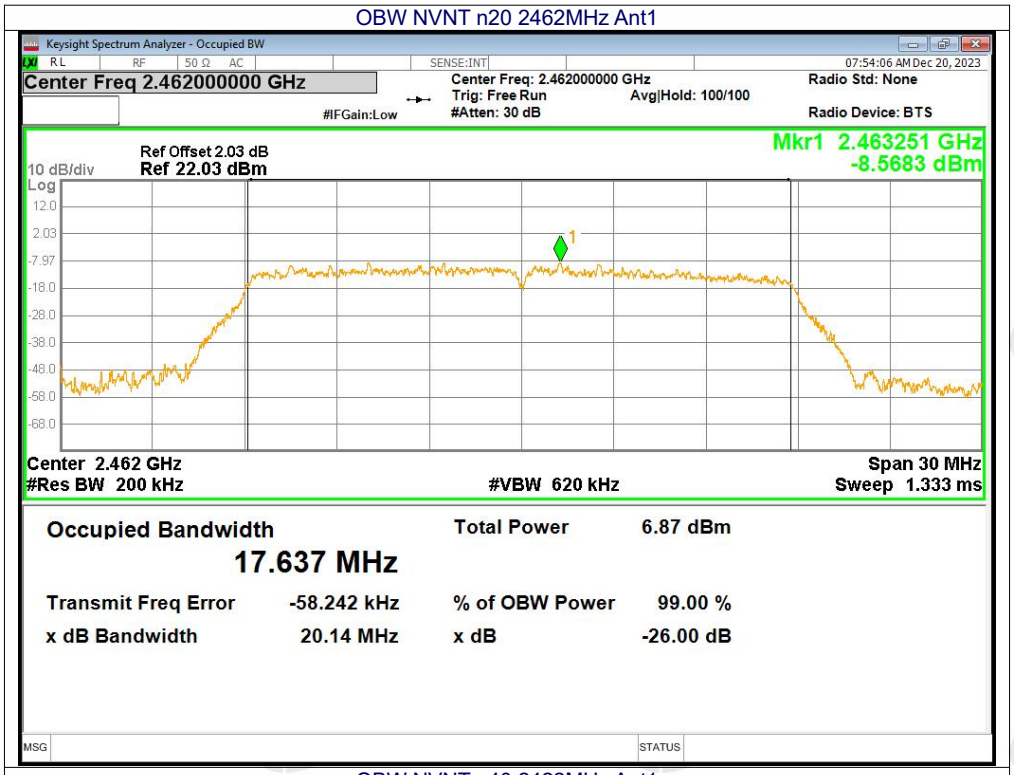
OBW NVNT n20 2412MHz Ant1



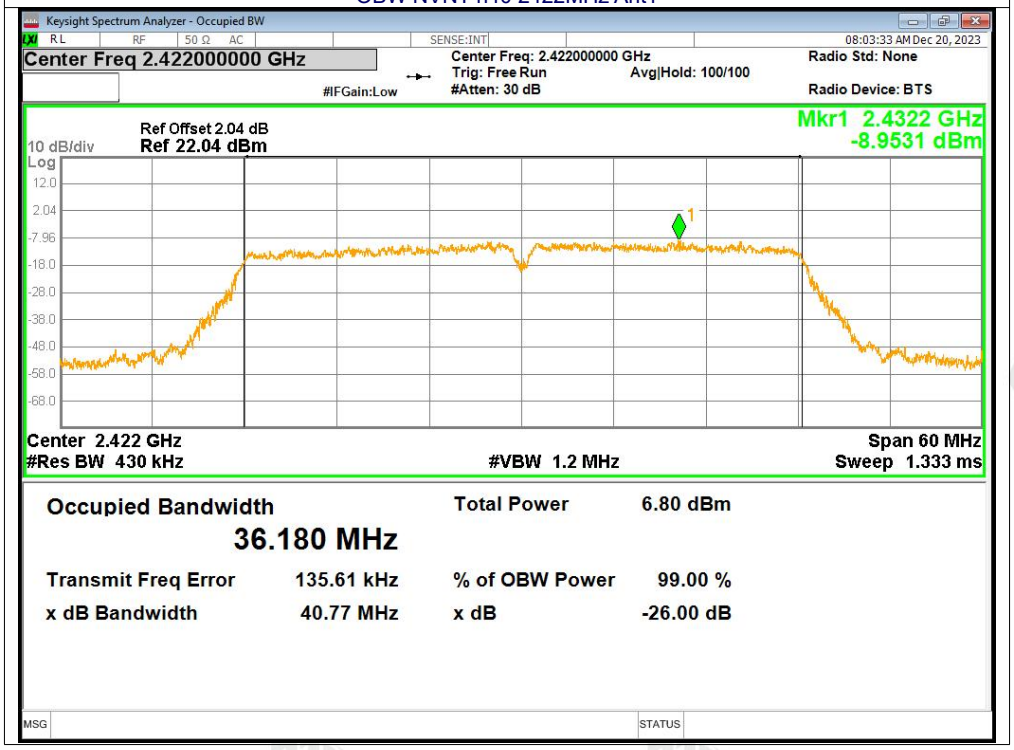
OBW NVNT n20 2437MHz Ant1



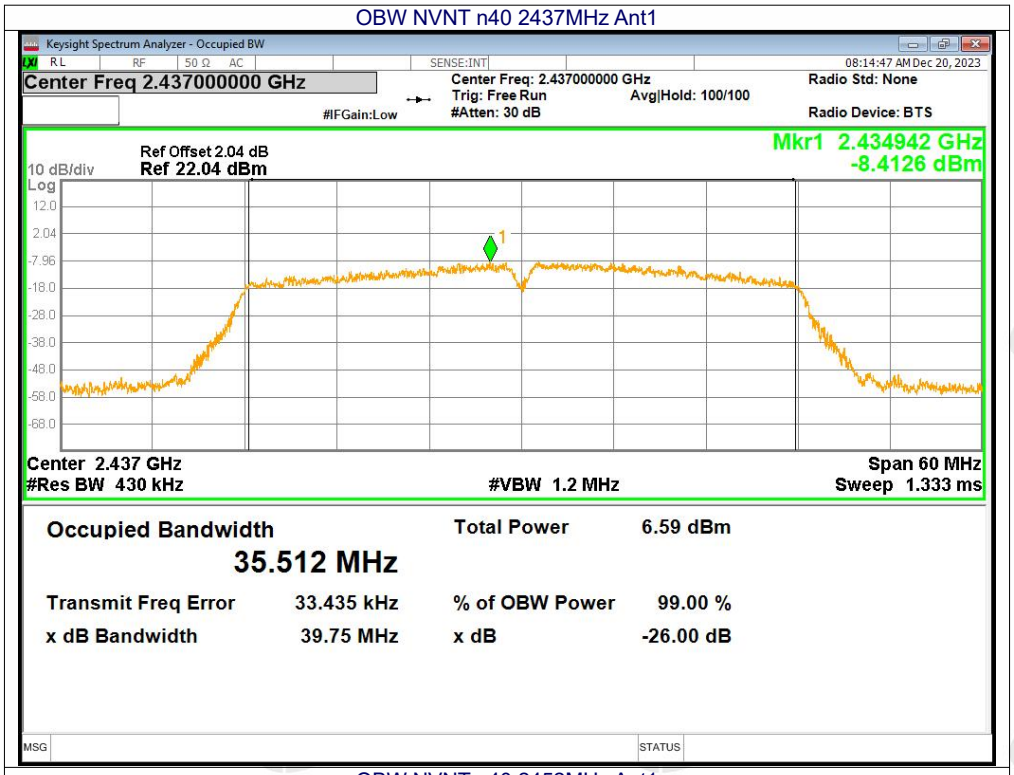
OBW NVNT n20 2462MHz Ant1



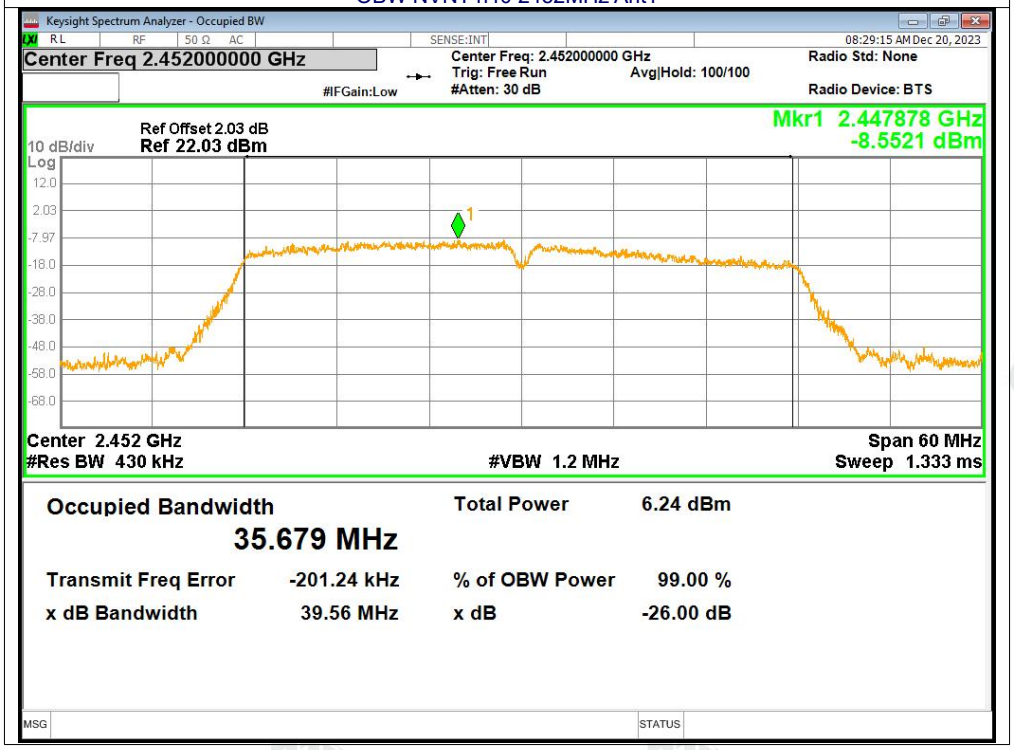
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

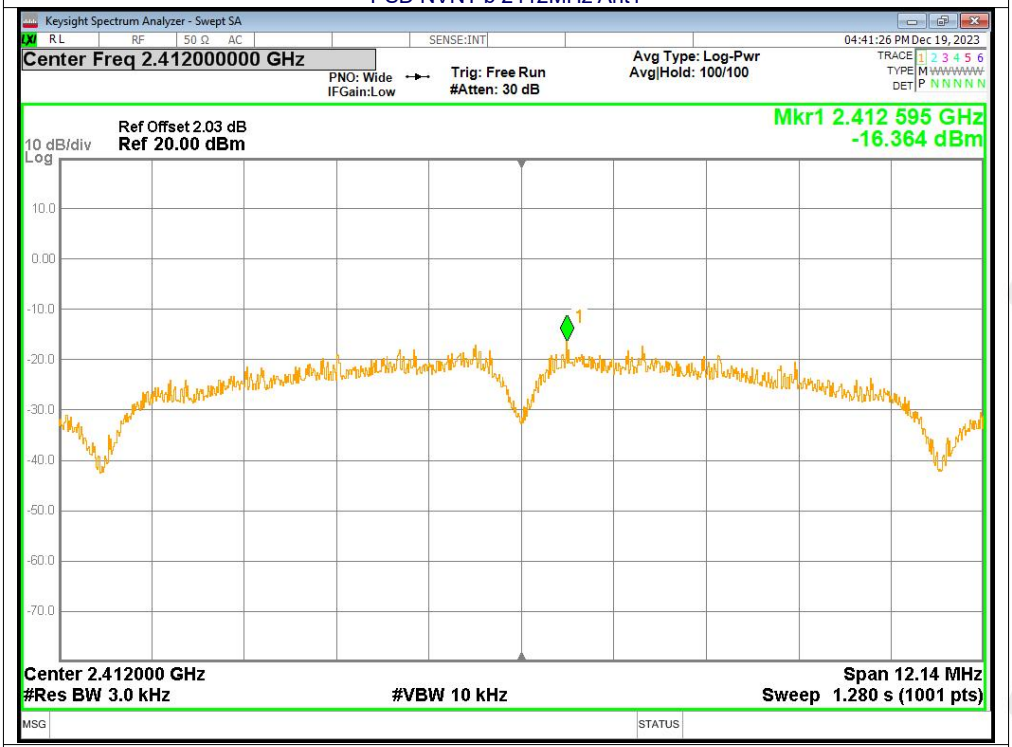


11.6 MAXIMUM POWER SPECTRAL DENSITY LEVEL

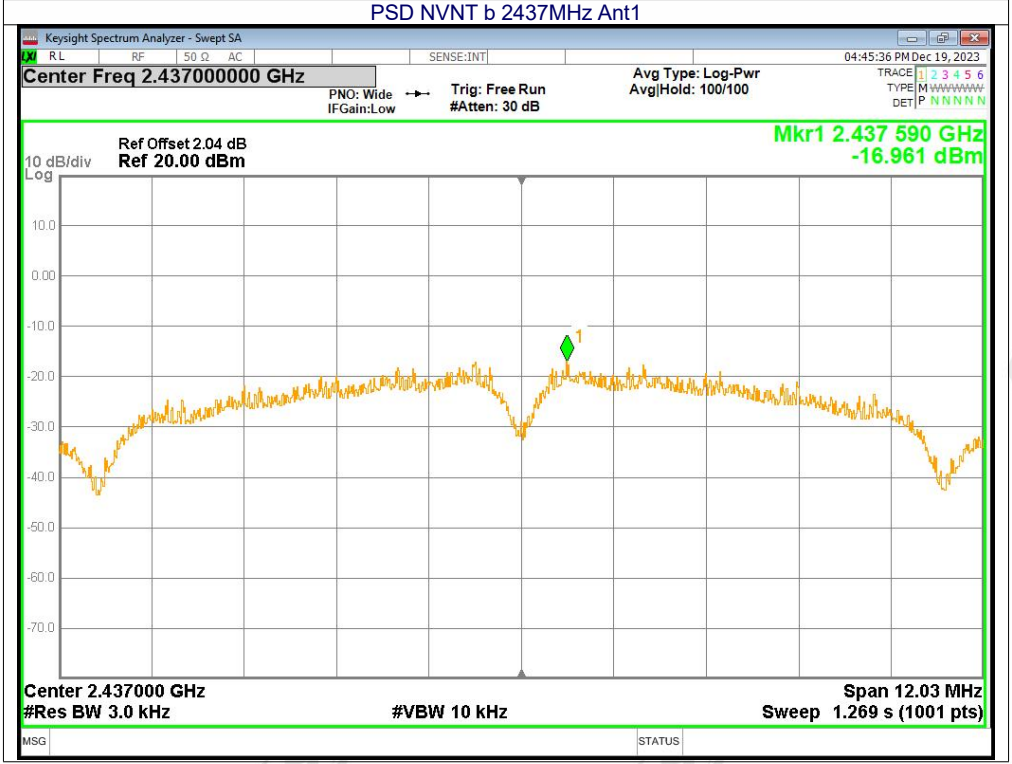
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Correction Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-16.36	0	-16.36	8	Pass
NVNT	b	2437	Ant1	-16.96	0	-16.96	8	Pass
NVNT	b	2462	Ant1	-17.39	0	-17.39	8	Pass
NVNT	g	2412	Ant1	-22.63	0.09	-22.54	8	Pass
NVNT	g	2437	Ant1	-21.99	0.09	-21.9	8	Pass
NVNT	g	2462	Ant1	-23.31	0.12	-23.19	8	Pass
NVNT	n20	2412	Ant1	-23.14	0.13	-23.01	8	Pass
NVNT	n20	2437	Ant1	-23.59	0.1	-23.49	8	Pass
NVNT	n20	2462	Ant1	-21.7	0.13	-21.57	8	Pass
NVNT	n40	2422	Ant1	-26.67	0.2	-26.47	8	Pass
NVNT	n40	2437	Ant1	-25.27	0.2	-25.07	8	Pass
NVNT	n40	2452	Ant1	-25.65	0.26	-25.39	8	Pass

Test Graphs

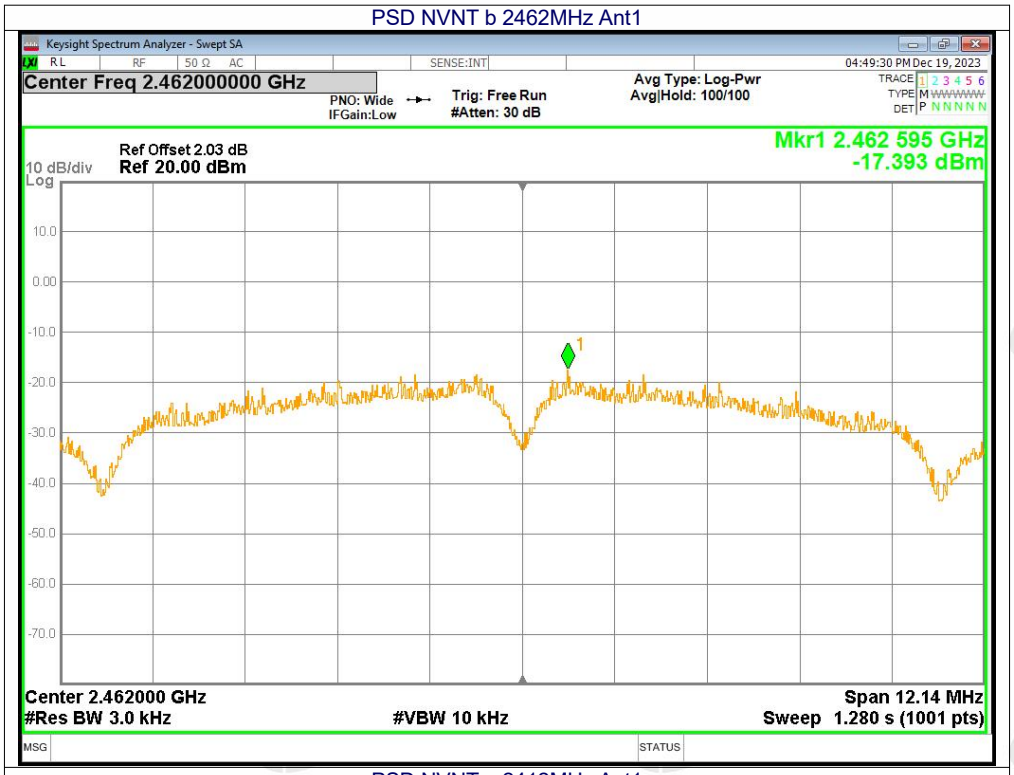
PSD NVNT b 2412MHz Ant1



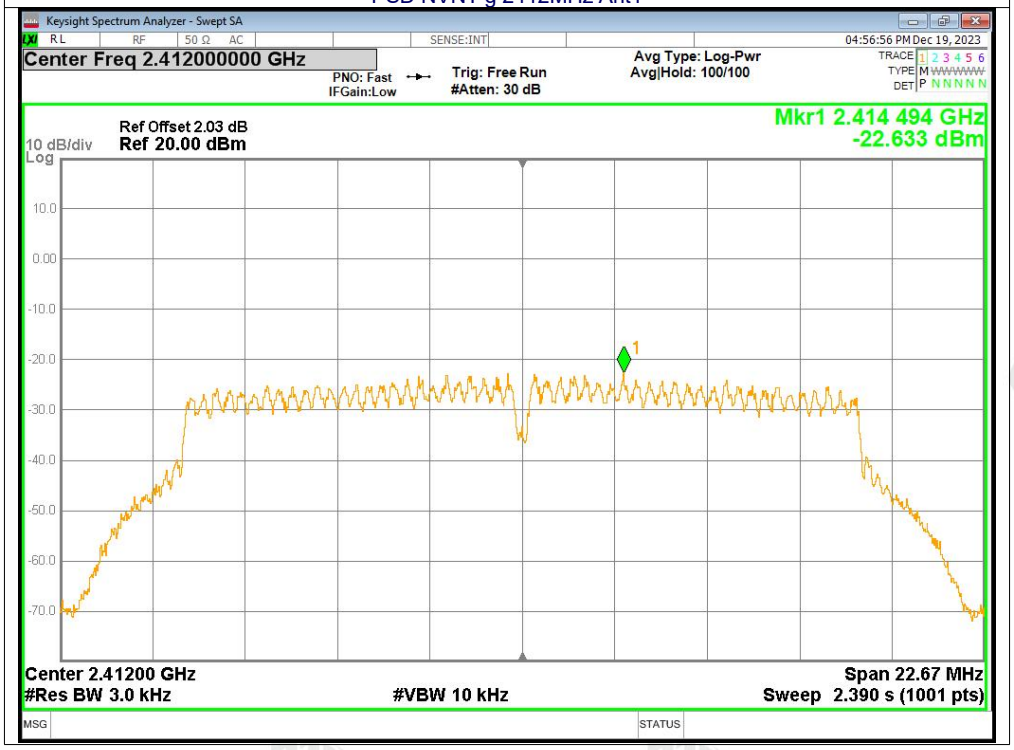
PSD NVNT b 2437MHz Ant1



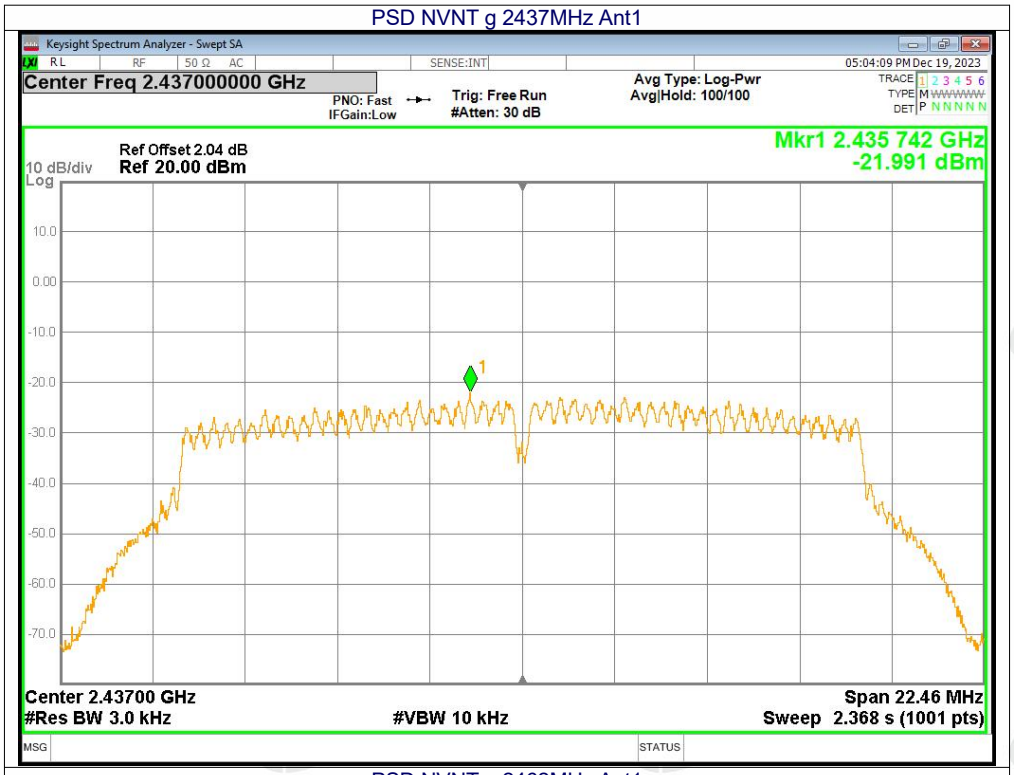
PSD NVNT b 2462MHz Ant1



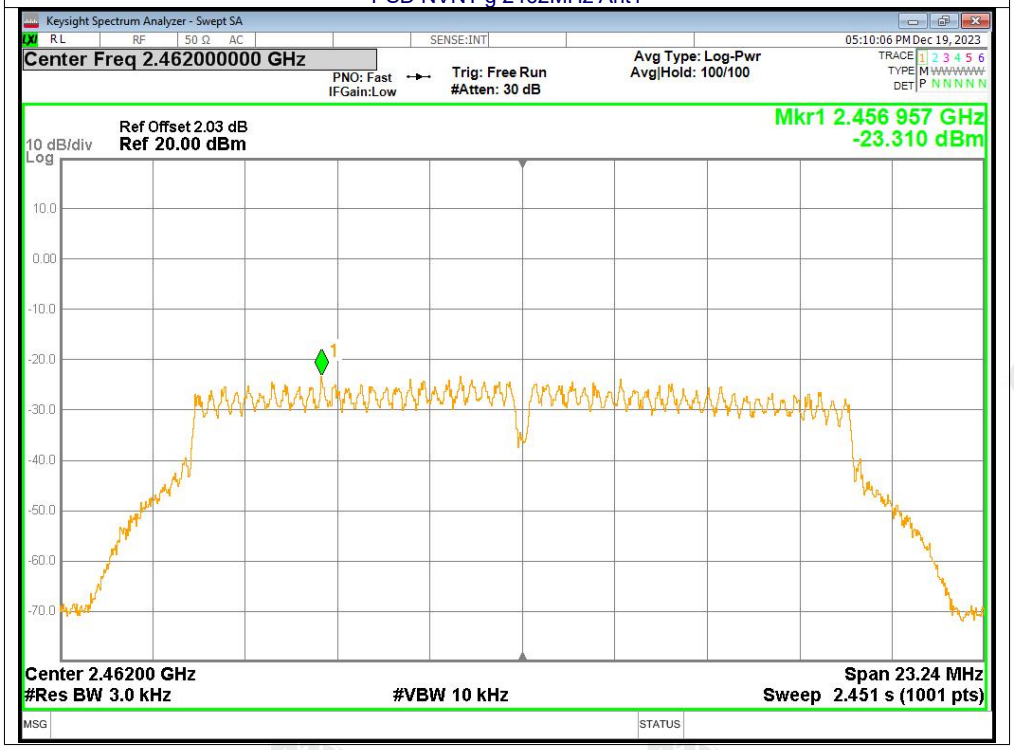
PSD NVNT g 2412MHz Ant1



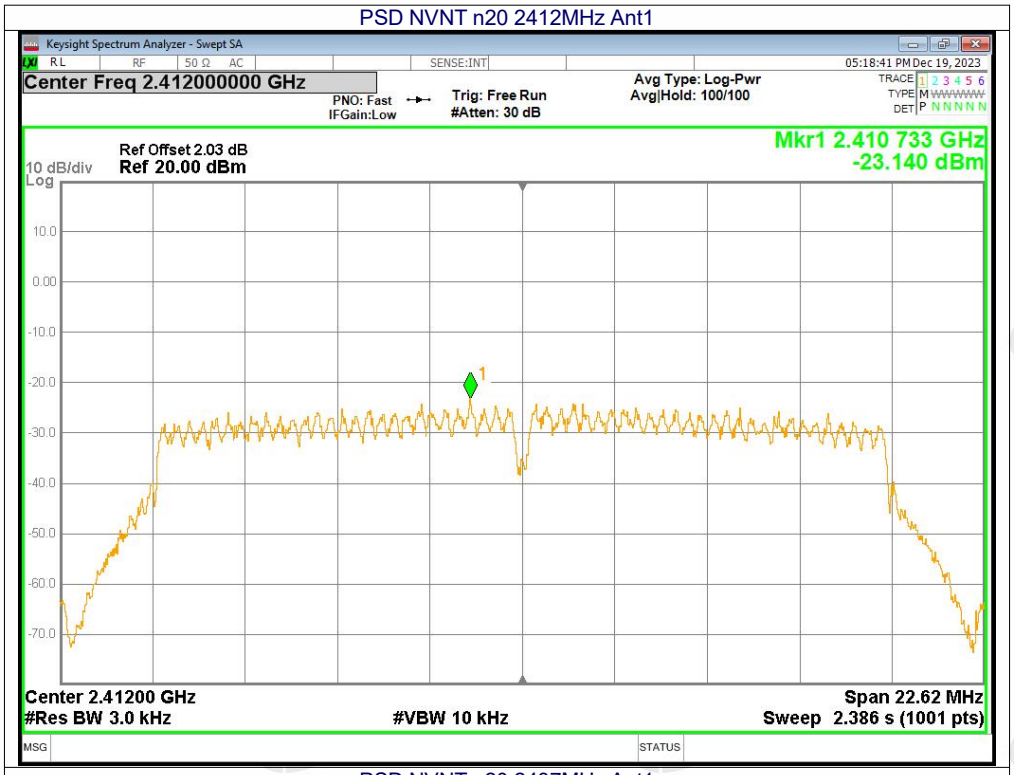
PSD NVNT g 2437MHz Ant1



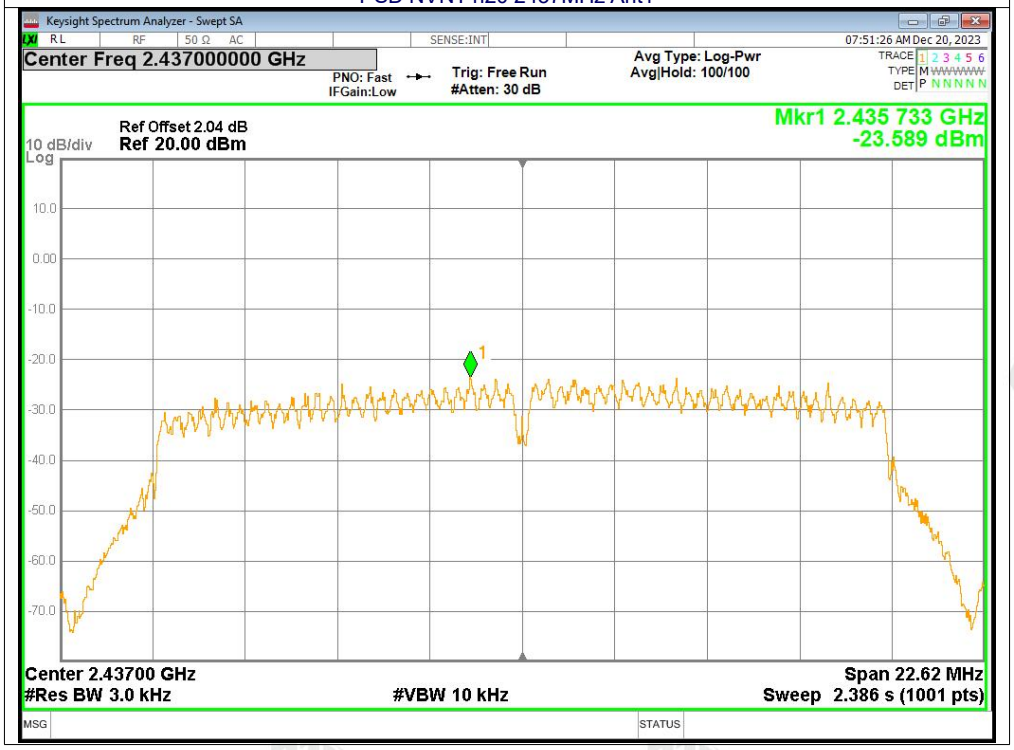
PSD NVNT g 2462MHz Ant1



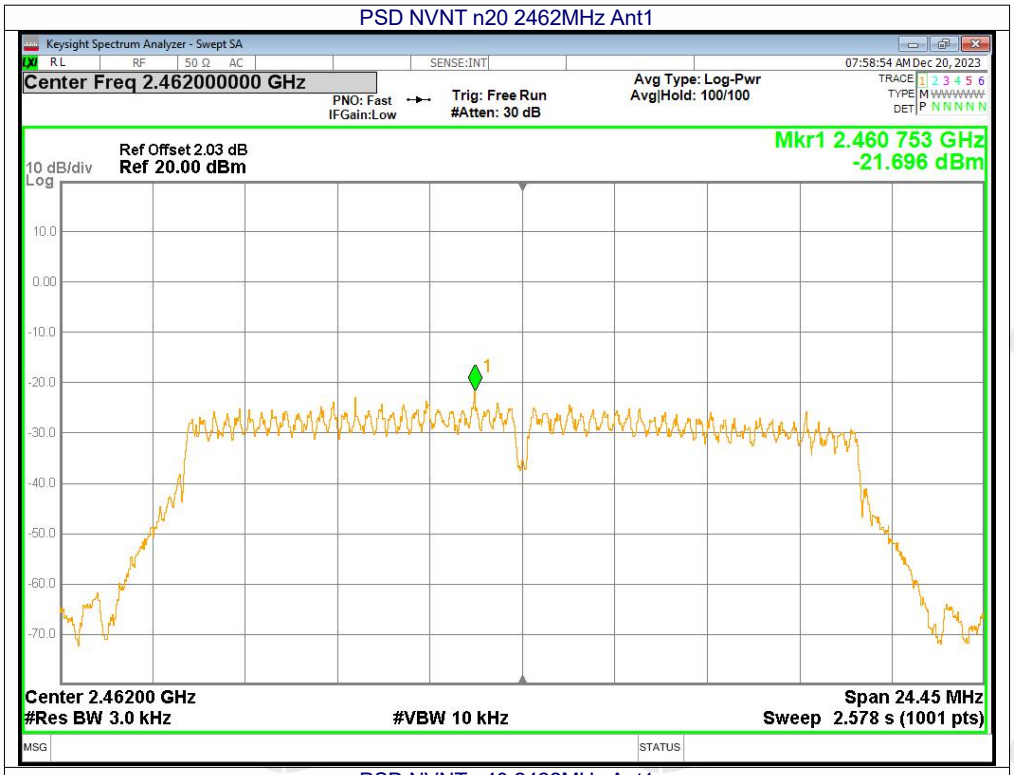
PSD NVNT n20 2412MHz Ant1



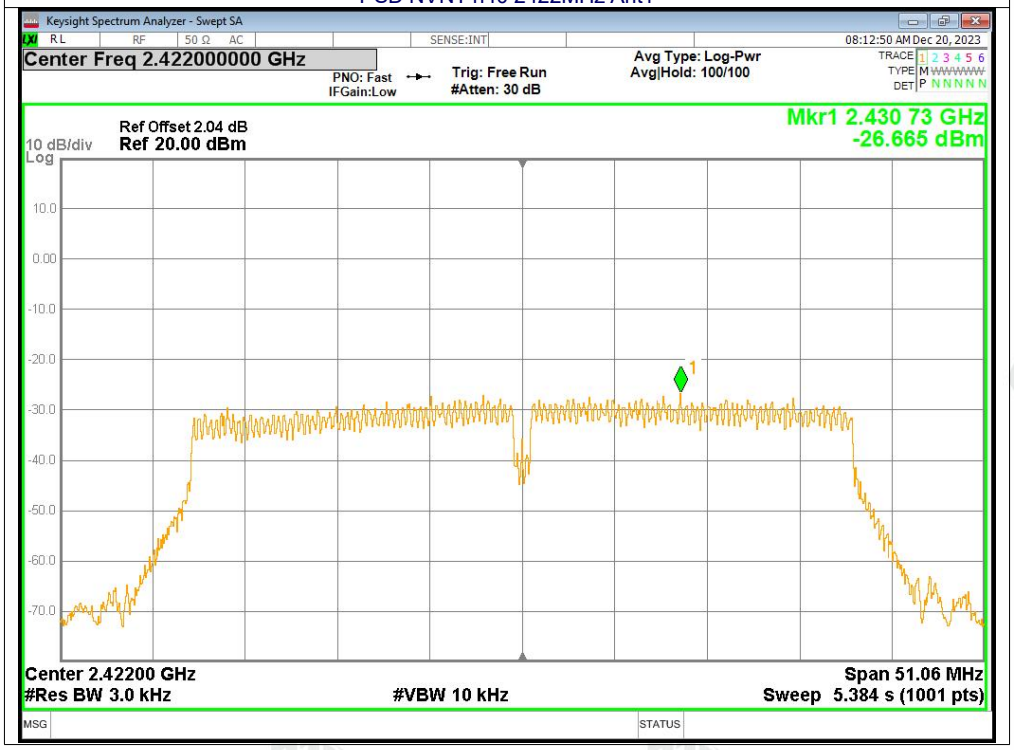
PSD NVNT n20 2437MHz Ant1



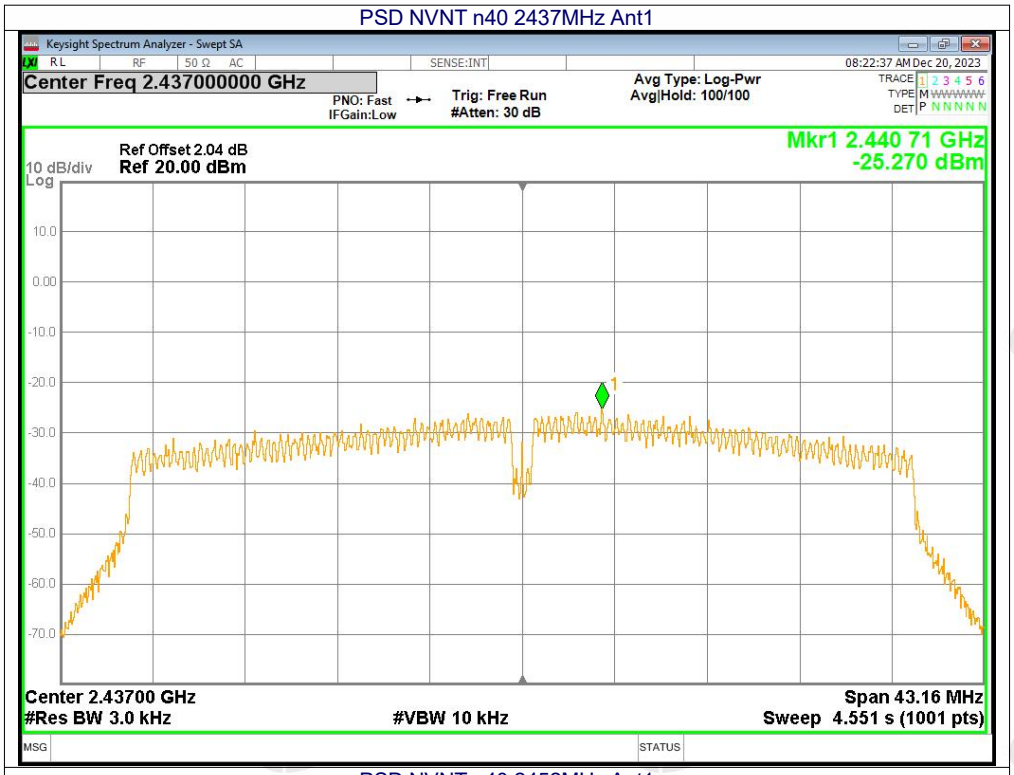
PSD NVNT n20 2462MHz Ant1



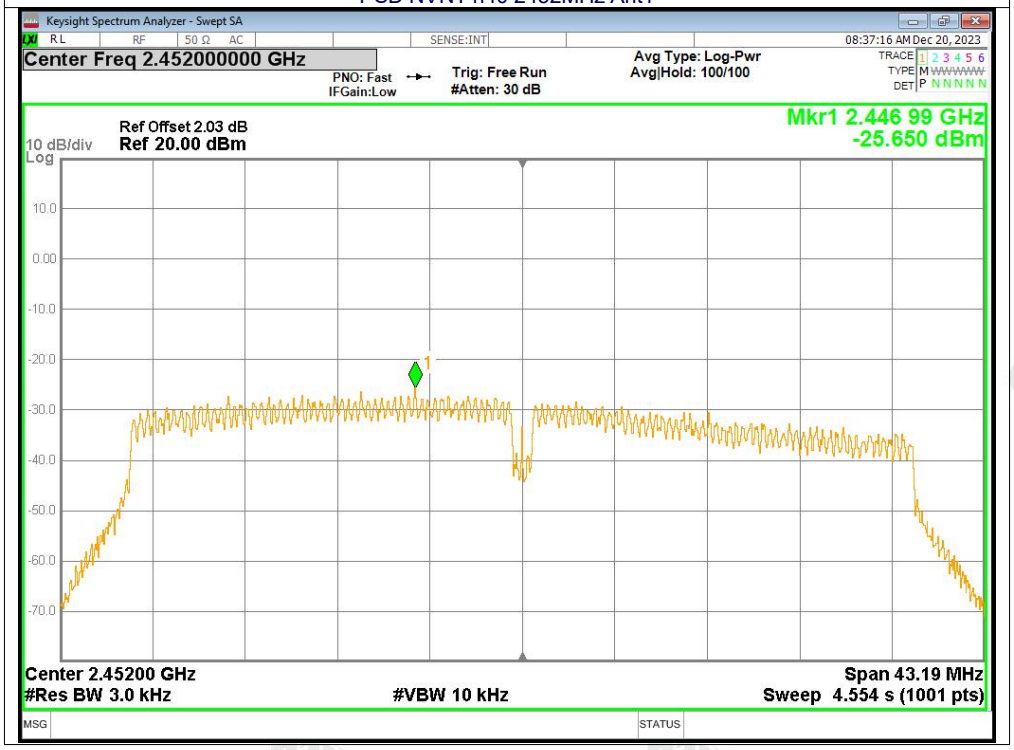
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

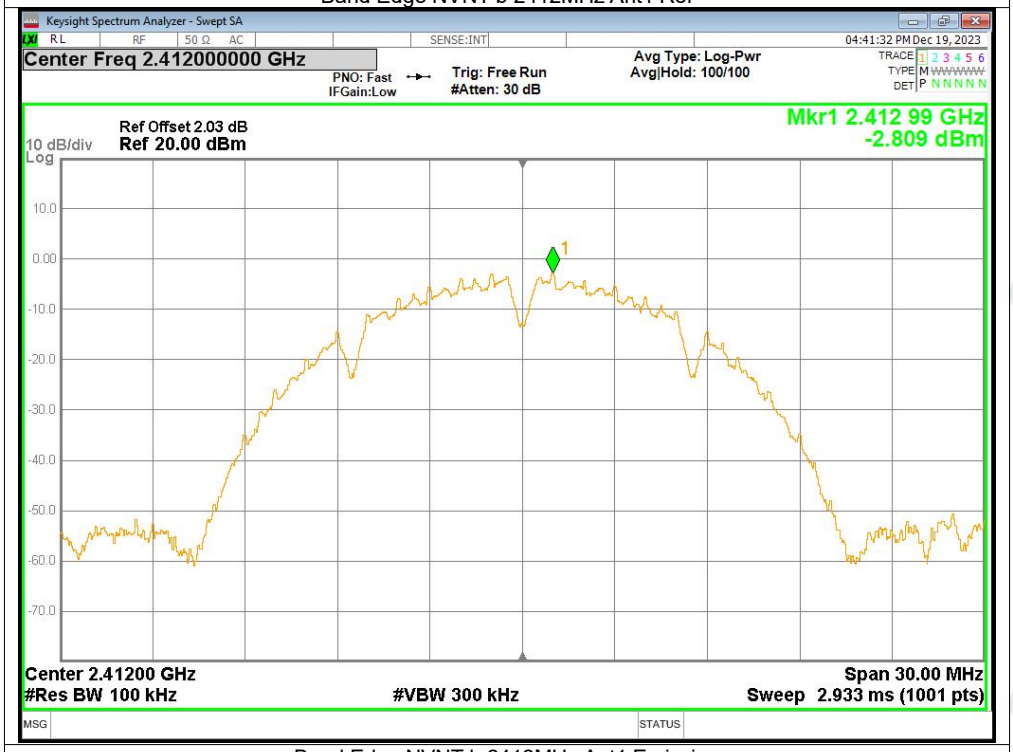


11.7 BAND EDGE

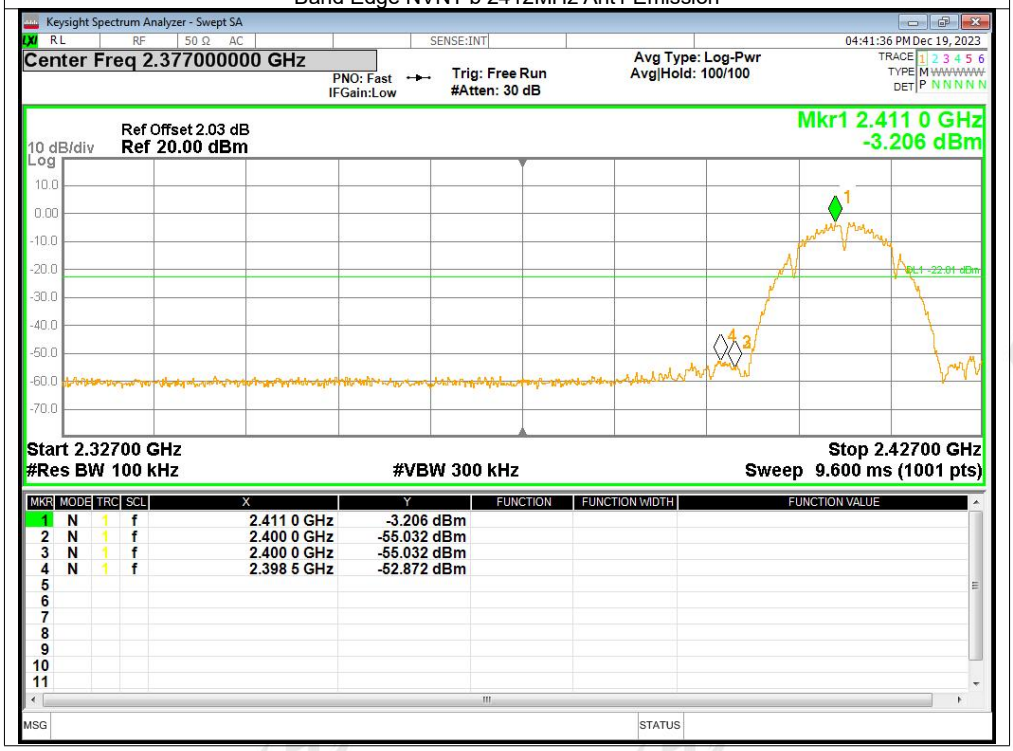
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.06	-20	Pass
NVNT	b	2462	Ant1	-53.78	-20	Pass
NVNT	g	2412	Ant1	-41.39	-20	Pass
NVNT	g	2462	Ant1	-46.45	-20	Pass
NVNT	n20	2412	Ant1	-42.19	-20	Pass
NVNT	n20	2462	Ant1	-47.61	-20	Pass
NVNT	n40	2422	Ant1	-38.7	-20	Pass
NVNT	n40	2452	Ant1	-44.6	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

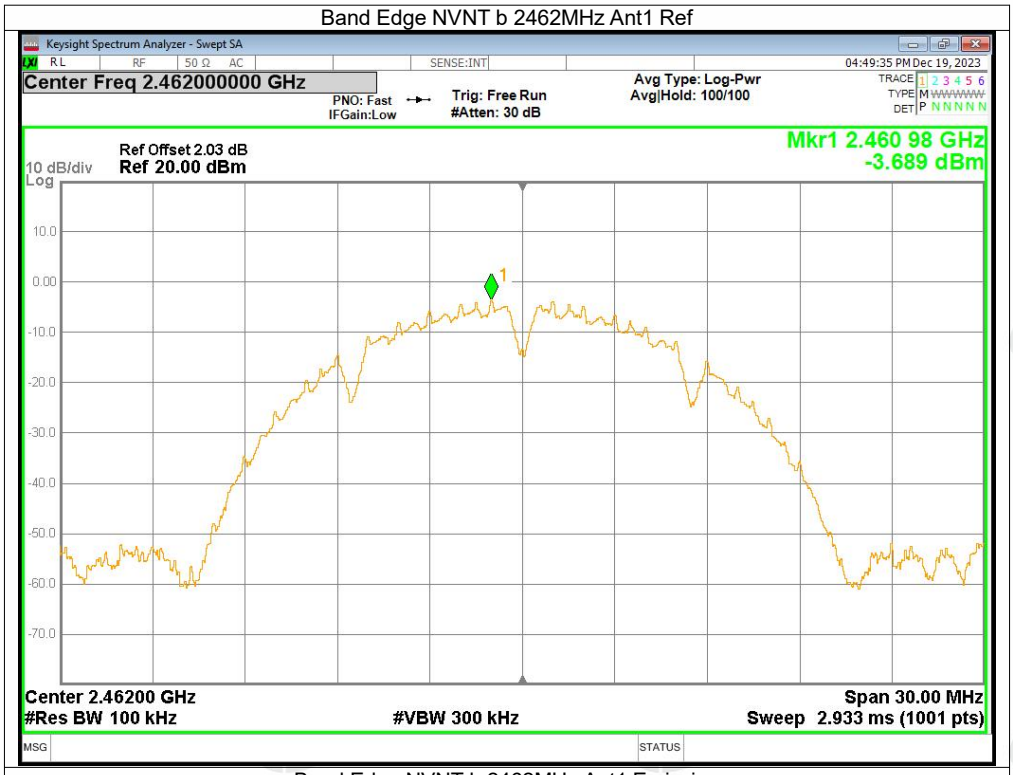


Band Edge NVNT b 2412MHz Ant1 Emission

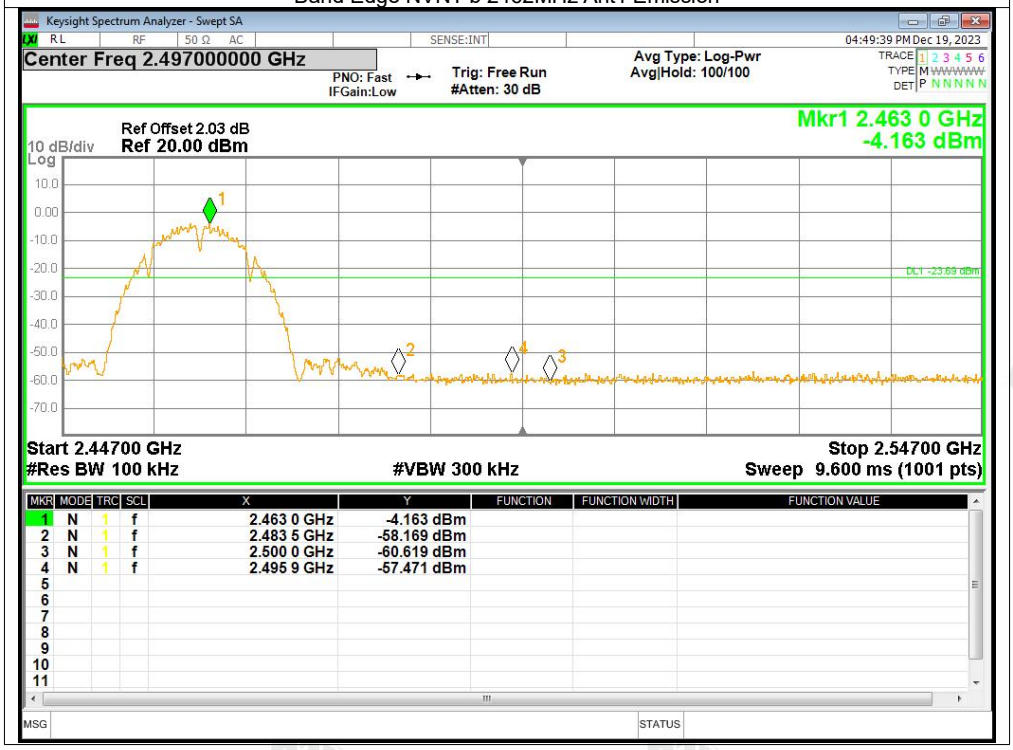


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.411 0 GHz	-3.206 dBm			
2	N	1	f	2.400 0 GHz	-55.032 dBm			
3	N	1	f	2.400 0 GHz	-55.032 dBm			
4	N	1	f	2.398 5 GHz	-52.872 dBm			
5								
6								
7								
8								
9								
10								
11								

Band Edge NVNT b 2462MHz Ant1 Ref

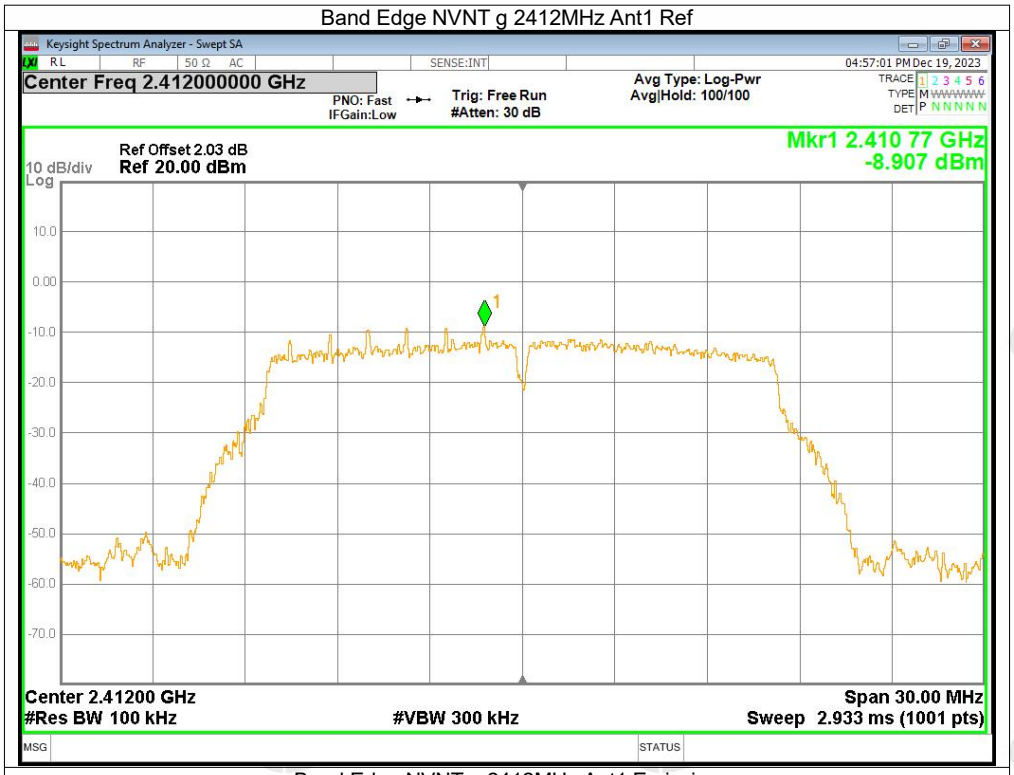
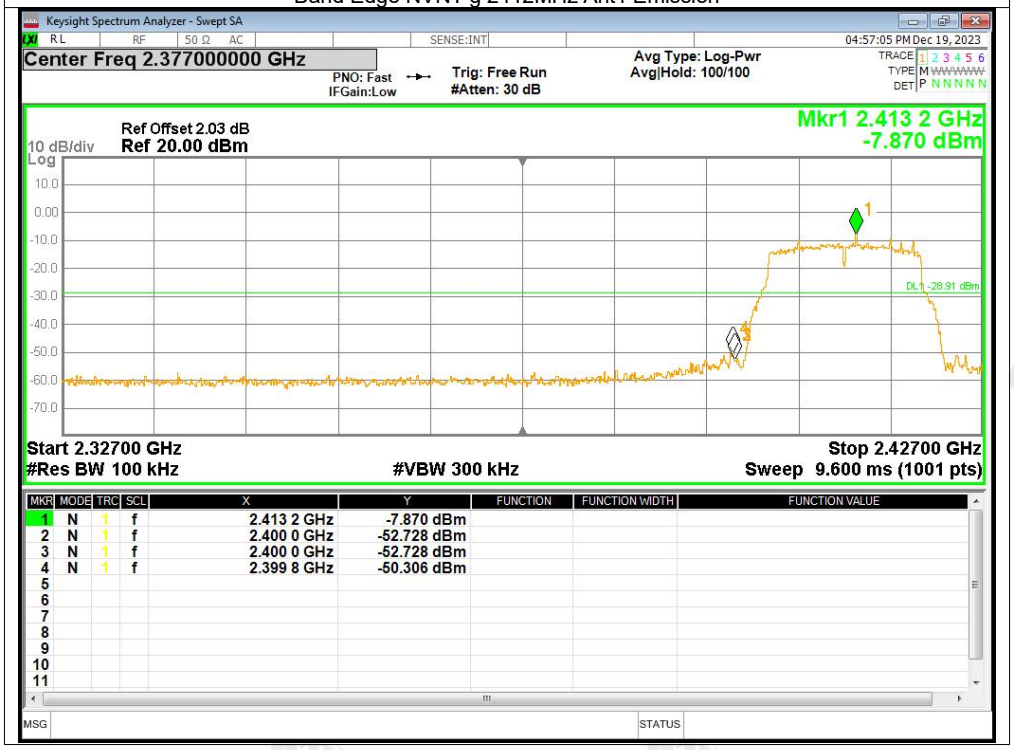


Band Edge NVNT b 2462MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.463 0 GHz	-4.163 dBm			
2	N	1	f	2.483 5 GHz	-58.169 dBm			
3	N	1	f	2.500 0 GHz	-60.619 dBm			
4	N	1	f	2.495 9 GHz	-57.471 dBm			
5								
6								
7								
8								
9								
10								
11								

Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission