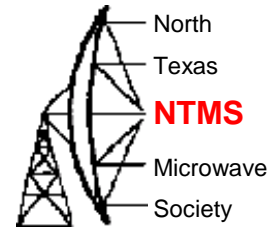


432 MHz EME Initial #1

Scott Armstrong AA5AM
April 8th, 2023

My Station



IC-9700 - ~75W or 48.75 dBm

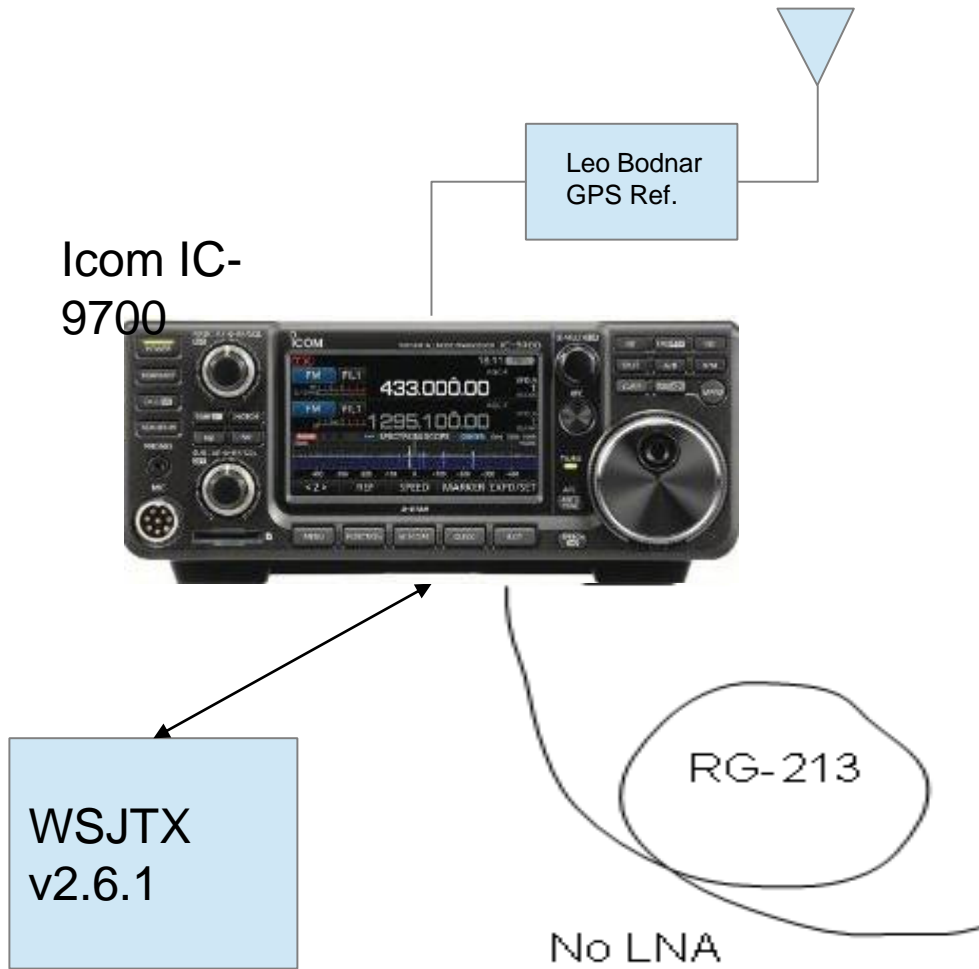
RG-213 - 80 feet

CC 424B - 20.35 dBi

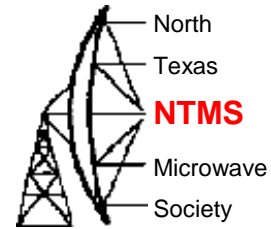
May be getting 26 W at antenna

EIRP ~ 2.8 kW

My Station



DL7APV's Station



128x11 el DG7YBN design

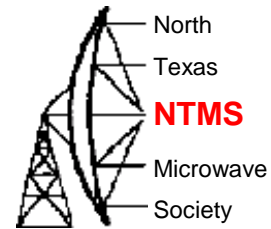


Pwr = 1400W
947 W at antenna
LNA = .25 dB
Gain ~35.55 dBi
EIRP ~3.39 MW

BW H=1.8 deg
V=3.8 deg

Sun Noise ~22.6 dB
Flux 30/432 MHz

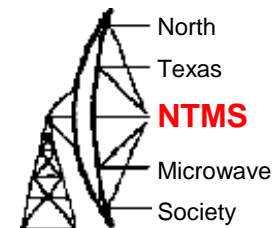
Little Pistols - MX0CNS



Dipole
60W
JT65b
98.4W EIRP



Little Pistols - JH7APV



3 ele

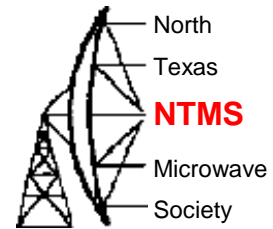
50W

JT65b

281 W EIRP



Little Pistols - W5RV



Pair CC 424B

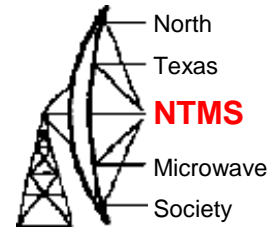
5W

JT65b

1 kW EIRP



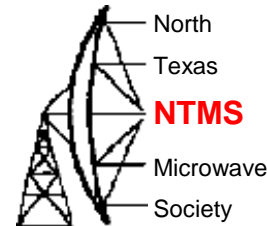
Little Pistols – OZ1SKY SWL



Comet GP9N
Preamp
DBA-270
-26/-27 db
decodes

Single-Period Decodes				
UTC	dB	DT	Freq	Message
1040	-30	2.6	1361	#*
1040	-30	2.6	1361	#*
----- 70cm				
1041	-30	5.2	1374	#
1041	-30	3.9	756	##
1041	-30	3.9	756	##
1041	-30	5.2	1374	#
----- 70cm				
1042	-26	2.5	1361	#* CQ DL7APV JO62 (COMET GP9) d* Germany
1042	-19	2.5	1358	##
----- 70cm				
1043	-30	5.2	1346	#
----- 70cm				
1044	-27	2.5	1361	#* CQ DL7APV JO62 (COMET GP9) d* Germany
1044	-21	2.5	1356	##
----- 70cm				
1045	-30	-1.7	1364	#
----- 70cm				
1046	-15	2.5	1360	#* CQ DL7APV JO62 (4x16 Yagi) f Germany
1046	-20	2.5	1360	##

GJ Tracker



GJTRACKER Version 3.0

Start Date Jan 29 2023 *GJTRACKER* End Date Jan 29 2023

Display	Callsign/Lookup	Locator	Add	Latitude	Longitude	Degrees
				Deg Min Sec Dir	Deg Min Sec Dir	Above Below
<input checked="" type="checkbox"/> Home	AA5AM	EM13sg		33 16 15 N	96 27 30 W	-1 20
<input type="checkbox"/> DX Stn		EJ88qs		8 46 15 N	82 37 30 W	-2 20

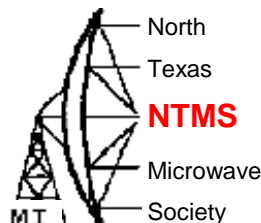
Object: Moon Azimuth Range: 360 0 Operation: Planning

Increment: 1 Minutes ESC: N Rcvr noise temp deg K: 50 Maximum dB Degradation: 0 Computer Clock Hours minus UTC: -6

Lines per output page: 63 Region: 2 Units: mi Band: 50 Text Editor: c:\windows\notepad.exe

RUN SET DEFAULTS RESTART HELP EXIT

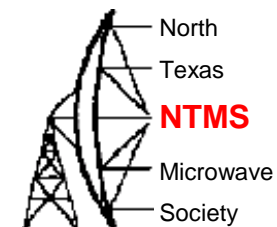
GJ Tracker Output



JAN 29, 2023 33 ° 16' 15" N MOON POSITION RANGE: 235,254 MI
 SUNDAY 96 ° 27' 30" W (PREPARED BY GJTRACKER V3.0) P +8 DAYS 15.24'SD
 JD: 2459973.5

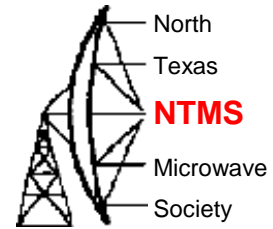
UTC	NOTES	(AA5AM in EM13sg)		GHA	DEC	RT ASCN	APPROX SKY °K	50 MHZ DB DEGRADATION
		W AZIMUTH	ELEV					
1822		67.1	0.1	354.2	19.2	3H 19M	6174	4.7
1823		67.2	0.3	354.4	19.2	3H 19M	6174	4.7
1824		67.3	0.5	354.7	19.2	3H 19M	6174	4.7
1825		67.5	0.7	354.9	19.2	3H 19M	6174	4.7
1826		67.6	0.9	355.2	19.2	3H 19M	6174	4.7
1827		67.7	1.1	355.4	19.2	3H 19M	6174	4.7
1828		67.9	1.3	355.7	19.2	3H 19M	6174	4.7
1829		68.0	1.4	355.9	19.2	3H 19M	6174	4.7
1830		68.1	1.6	356.2	19.2	3H 20M	6174	4.7
1831		68.2	1.8	356.4	19.2	3H 20M	6174	4.7
1832		68.4	2.0	356.6	19.2	3H 20M	6174	4.8
1833		68.5	2.2	356.9	19.2	3H 20M	6174	4.8
1834		68.6	2.4	357.1	19.2	3H 20M	6174	4.8
1835		68.7	2.6	357.4	19.2	3H 20M	6174	4.8
1836		68.9	2.8	357.6	19.2	3H 20M	6174	4.8
1837		69.0	3.0	357.9	19.2	3H 20M	6174	4.8
1838		69.1	3.2	358.1	19.3	3H 20M	6174	4.8
1839		69.2	3.3	358.4	19.3	3H 20M	6174	4.8
1840		69.4	3.5	358.6	19.3	3H 20M	6157	4.7
1841		69.5	3.7	358.9	19.3	3H 20M	6157	4.7
1842		69.6	3.9	359.1	19.3	3H 20M	6157	4.7
1843		69.7	4.1	359.4	19.3	3H 20M	6157	4.7
1844		69.9	4.3	359.6	19.3	3H 20M	6157	4.7
1845		70.0	4.5	359.9	19.3	3H 20M	6157	4.7
1846		70.1	4.7	0.1	19.3	3H 20M	6157	4.7
1847		70.2	4.9	0.4	19.3	3H 20M	6157	4.7
1848		70.4	5.1	0.6	19.3	3H 20M	6157	4.7
1849		70.5	5.3	0.9	19.3	3H 20M	6157	4.7
1850		70.6	5.5	1.1	19.3	3H 20M	6157	4.7
1851		70.7	5.7	1.4	19.3	3H 20M	6157	4.7
1852		70.9	5.8	1.6	19.3	3H 20M	6157	4.7
1853		71.0	6.0	1.9	19.3	3H 20M	6157	4.7
1854		71.1	6.2	2.1	19.3	3H 20M	6157	4.7

The QSO



230129_182400	432.063	RX	Q65-60B	-22	2.8	1943	SA5IKN	DL7APV	RR73	q0
230129_182542	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_182600	432.063	RX	Q65-60B	-21	2.8	1950	LU8ENU	DL7APV	-19	q0
230129_182700	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_182800	432.063	RX	Q65-60B	-20	2.8	1948	LU8ENU	DL7APV	RR73	q0
230129_182900	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_183000	432.063	RX	Q65-60B	-24	2.8	1946	CQ	DL7APV	JO62	q3
230129_183100	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_183200	432.063	RX	Q65-60B	-23	2.7	1945	CQ	DL7APV	JO62	q3
230129_183300	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_183500	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_183700	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_183900	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_184100	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_184200	432.063	RX	Q65-60B	-23	2.7	1975	CQ	DL7APV	JO62	q3
230129_184300	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_184400	432.063	RX	Q65-60B	-23	2.7	1978	CQ	DL7APV	JO62	q3
230129_184500	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_184600	432.063	RX	Q65-60B	-20	2.7	1991	CQ	DL7APV	JO62	q3
230129_184700	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	EM13	
230129_184800	432.063	RX	Q65-60B	-20	2.7	1995	AA5AM	DL7APV	-23	q3
230129_184900	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	R-20	
230129_185000	432.063	RX	Q65-60B	-22	2.7	1997	AA5AM	DL7APV	RR73	q3
230129_185100	432.063	TX	Q65-60B	0	0.0	1500	DL7APV	AA5AM	73	
230129_185200	432.063	RX	Q65-60B	-23	2.7	2010	CQ	DL7APV	JO62	q3
230129_185400	432.063	RX	Q65-60B	-27	2.7	2012	CQ	DL7APV	JO62	q3
230129_190600	432.063	RX	Q65-60B	-27	2.7	2063	CQ	UA3PTW	K093	q0
230129_190800	432.063	RX	Q65-60B	-29	3.0	2063	CQ	UA3PTW	K093	q3
230129_191000	432.063	RX	Q65-60B	-25	2.9	2061	CQ	UA3PTW	K093	q3
230129_191200	432.063	RX	Q65-60B	-26	2.8	2061	CQ	UA3PTW	K093	q3
230129_191400	432.063	RX	Q65-60B	-24	2.7	2061	CQ	UA3PTW	K093	q3
230129_191800	432.063	RX	Q65-60B	-31	2.7	2061	CQ	UA3PTW	K093	q32
230129_192800	432.063	RX	Q65-60B	-29	3.1	2058	CQ	UA3PTW	K093	q3

432 Big Guns



DK3WG

DL7APV

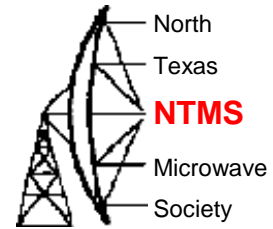
HB9Q

NC1I

PI9CAM

UA3TPW

Coordination and Scheduling



- **HB9Q**

<https://hb9q.ch/>

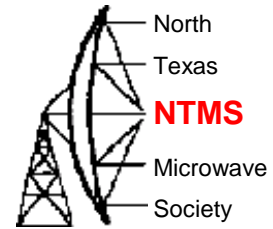
- **Ping Jockey splat-Q65 Link**

<https://www.chris.org/cgi-bin/jt65talk>

- **ON4KST – EME page**

<http://www.on4kst.info/chat/login.php?band=5>

References



- **DL7APV website**

<https://www.DL7APV.de>

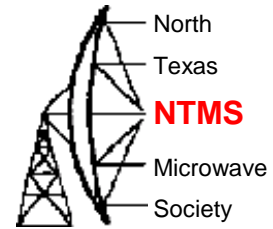
- **WSJTX – v2.6.1 (latest)**

<https://wsjt.sourceforge.io/wsjt.html>

- **W7GJ - GJTracker**

<http://www.bigskyspaces.com/w7gj/tracker.htm>

Conclusion



Get on and try!
You will never know until you do.