

Carl Huie

Amendment

From: lbushman [lavarre.bushman@swri.org]
Sent: Thursday, September 09, 2004 5:33 PM
To: Carl Huie
Cc: William G. Guion; Patrick J Siemsen; Monica R Trollinger
Subject: RE: 147-EX-PL-2004



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Carl,

Thank you for the time you spent on the telephone today with Pat and me. We appreciate your service on getting the kinks out of our applications.

Regarding the suggested frequencies in your email below, these are acceptable.

Additionally we would like to modify our application such that Column (C) - Power ERP, Watts - is 100 watts for frequencies beginning with 800 MHz and ending with 2655 MHZ.

The new frequencies are shown in the leftmost column of tab #4 in the attached Excel spreadsheet and the updated ERP is shown in Column (C).

Best regards,

LaVarre Bushman
Program Manager
Southwest Research Institute
210-522-2005

-----Original Message-----

From: Carl Huie [mailto:Carl.Huie@fcc.gov]
Sent: Tuesday, September 07, 2004 3:30 PM
To: lbushman
Cc: Patrick J Siemsen; William G. Guion
Subject: RE: 147-EX-PL-2004

XAC = 040048

For 147-EX-PL-2004, please advise whether or NOT the following frequencies are acceptable:

821 MHz	1850 MHz	<i>048747</i>
824	1910	
849	1920	
851	1930	
866	1990	
869	1995	
894	2000	
896	2025	<i>48</i>
902 <i>048742</i>	2110	<i>49</i>
928 <i>43</i>	2155	
930	2180	
931	2200	<i>50</i>
935 <i>44</i>	2300	<i>51</i>
940	2400	
944 <i>45</i>	2417	<i>52</i>
960 <i>46</i>	2500	<i>53</i>
	2524	
	2548	

2572
2602
2626
2655

048754

Please justify 1kw ERP on microwave freqs. What are minimum powers necessary to test df'g in microwave bands?

*** Non-Public: For Internal Use Only ***

Carl Huie

From: Carl Huie
Sent: Tuesday, September 07, 2004 4:30 PM
To: 'lbushman'
Cc: Patrick J Siemsen; William G. Guion
Subject: RE: 147-EX-PL-2004

XME = 090048

For 147-EX-PL-2004, please advise whether or NOT the following frequencies are acceptable:

821 MHz	1850 MHz	648747
824	1910	
849	1920	
851	1930	
866	1990	
869	1995	
894	2000	
896	2025	48
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928	2155	
930	2180	
931	2200	50
935	2300	51
940	2400	
944	2417	52
960	2500	53
	2524	
	2548	
	2572	
	2602	
	2626	
	2655	54



Please justify 1kw ERP on microwave freqs. What are minimum powers necessary to test df'g in microwave bands?

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Exhibit 1. Particulars of Operation

Frequency (MHz)	Power			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (kHz)
	(B) TX TERM (WATTS)	(C) ERP (WATTS)	(D) MEAN/PEAK			
765	10	40	MEAN	NON	CW	1
767.5	10	40	MEAN	NON	CW	1
770	10	40	MEAN	NON	CW	1
772.5	10	40	MEAN	NON	CW	1
774.6	10	40	MEAN	NON	CW	1
775	10	40	MEAN	NON	CW	1
782.5	10	40	MEAN	NON	CW	1
785	10	40	MEAN	NON	CW	1
787.7	10	40	MEAN	NON	CW	1
801	10	125	MEAN	NON	CW	1
802.5	10	125	MEAN	NON	CW	1
805	10	125	MEAN	NON	CW	1
807.5	10	125	MEAN	NON	CW	1
810	10	125	MEAN	NON	CW	1
812.5	10	125	MEAN	NON	CW	1
814.5	10	125	MEAN	NON	CW	1
815	10	125	MEAN	NON	CW	1
817.5	10	125	MEAN	NON	CW	1
820	10	125	MEAN	NON	CW	1
822.5	10	125	MEAN	NON	CW	1
850	10	125	MEAN	NON	CW	1
852.5	10	125	MEAN	NON	CW	1
855	10	125	MEAN	NON	CW	1
856.84	10	125	MEAN	NON	CW	1
857.5	10	125	MEAN	NON	CW	1
860	10	125	MEAN	NON	CW	1
862.5	10	125	MEAN	NON	CW	1
865	10	125	MEAN	NON	CW	1
867.5	10	125	MEAN	NON	CW	1
895	10	125	MEAN	NON	CW	1
897.6	10	125	MEAN	NON	CW	1

821
824
849
851

864
869
894
896

902
 928
 930
 931
 935
 ✓
 944
 ✓
 960
 1850
 1910
 ✓
 1930
 1980
 ✓
 ✓
 2025
 2110
 2155
 2180
 2200
 2300
 2400
 2417
 2500
 2524
 2548
 2572

Frequency (MHz)	Power			EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (kHz) (G)
	(B) TX TERM (WATTS)	(C) ERP (WATTS)	(D) MEAN/PEAK			
900.6	10	125	MEAN	NON	CW	1
928.2	10	125	MEAN	NON	CW	1
930	10	125	MEAN	NON	CW	1
931.4	10	125	MEAN	NON	CW	1
935.3	10	125	MEAN	NON	CW	1
937.5	10	125	MEAN	NON	CW	1
940	10	125	MEAN	NON	CW	1
945.1	10	125	MEAN	NON	CW	1
947.2	10	125	MEAN	NON	CW	1
950.1	10	125	MEAN	NON	CW	1
952.5	10	125	MEAN	NON	CW	1
955.1	10	125	MEAN	NON	CW	1
957.5	10	125	MEAN	NON	CW	1
1860	10	1000	MEAN	NON	CW	10
1915	10	1000	MEAN	NON	CW	10
1920	10	1000	MEAN	NON	CW	10
1925	10	1000	MEAN	NON	CW	10
1980	10	1000	MEAN	NON	CW	10
1995	10	1000	MEAN	NON	CW	10
2000	10	1000	MEAN	NON	CW	10
2024	10	1000	MEAN	NON	CW	10
2125	10	1000	MEAN	NON	CW	10
2148	10	1000	MEAN	NON	CW	10
2176	10	1000	MEAN	NON	CW	10
2198	10	1000	MEAN	NON	CW	10
2301	10	1000	MEAN	NON	CW	10
2395	10	1000	MEAN	NON	CW	10
2416	10	1000	MEAN	NON	CW	10
2501	10	1000	MEAN	NON	CW	10
2525	10	1000	MEAN	NON	CW	10
2550	10	1000	MEAN	NON	CW	10
2575	10	1000	MEAN	NON	CW	10

2602
2626
2655

Frequency (MHz)	Power			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (kHz)
	(B)	(C)	(D)			
(A)	TX TERM (WATTS)	ERP (WATTS)	MEAN/PEAK	(E)	(F)	(G)
2600	10	1000	MEAN	NON	CW	10
2625	10	1000	MEAN	NON	CW	10
2652	10	1000	MEAN	NON	CW	10