

File #: 0363-EX-ST-2023

Reference Number: 76777

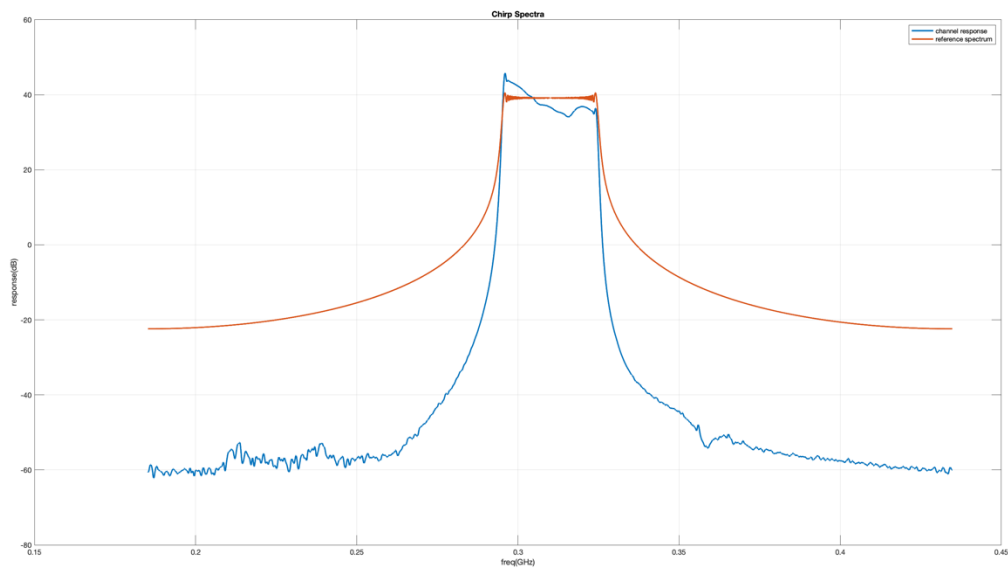
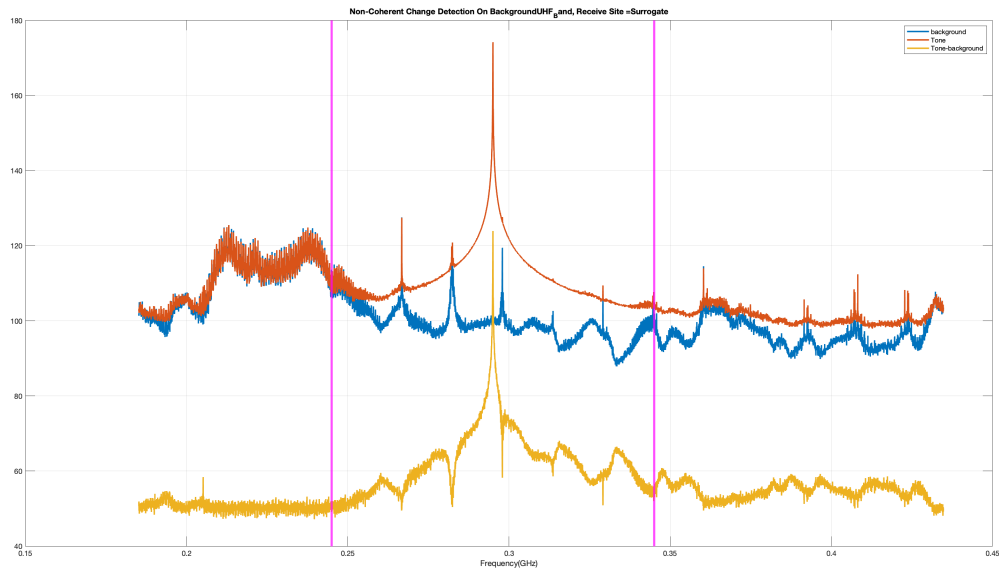
Subject: Response to request for system parameters at -3dB, -20dB, and -60dB transmit emission points.

Purpose: This experiment is designed to highlight propagation effects at low angles in regions covered largely by water. Each emission is short in duration (< 30sec). Emissions are broken into 2 parts, a single tone at 20% and 80% of the frequency band of interest and a sweep covering 20%-80% of the band of interest. We have four (4) bands of interest, UHF, L, S, and X.

Message:

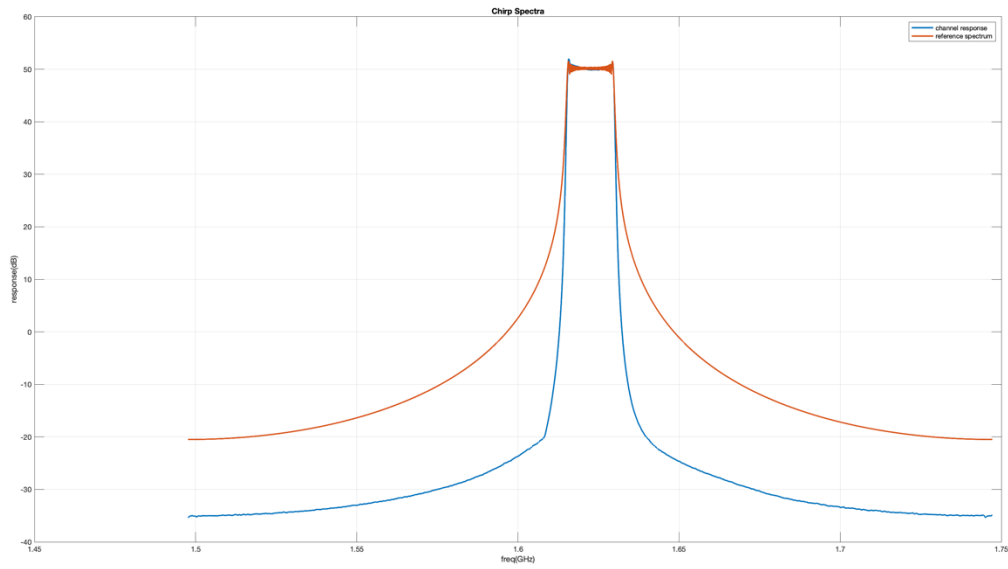
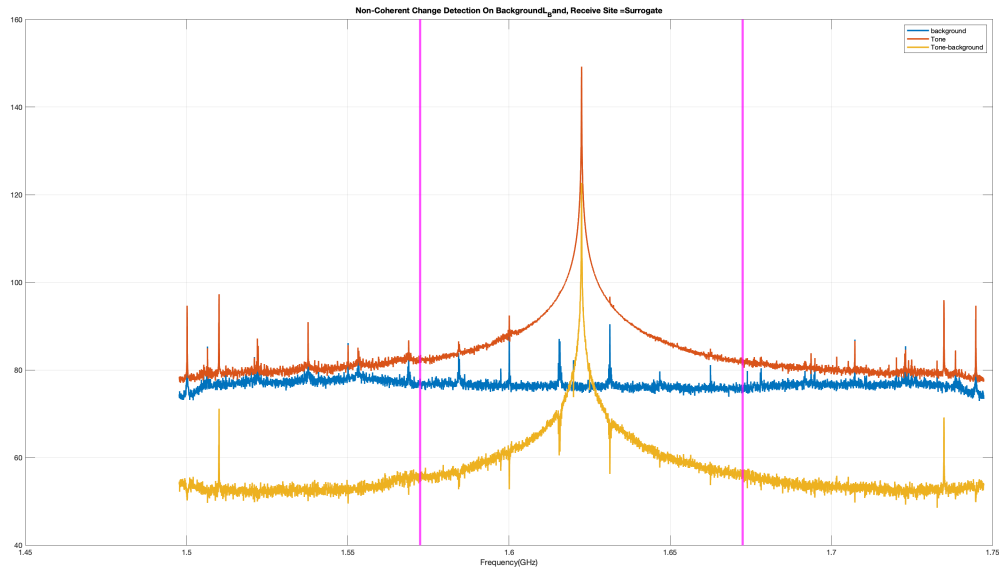
295MHz – 325MHz emissions

EMISSION	-3DB	-20DB	-60DB
295MHZ TONE	294 / 296 MHz	294 / 296 MHz	280 / 310 MHz
310MHZ TONE	309 / 311 MHz	309 / 311 MHz	295 / 325 MHz
325MHZ TONE	324 / 326 MHz	324 / 326 MHz	310 / 340 MHz
295-325MHZ SWEEP	294 / 326 MHz	293 / 327 MHz	280 / 340 MHz



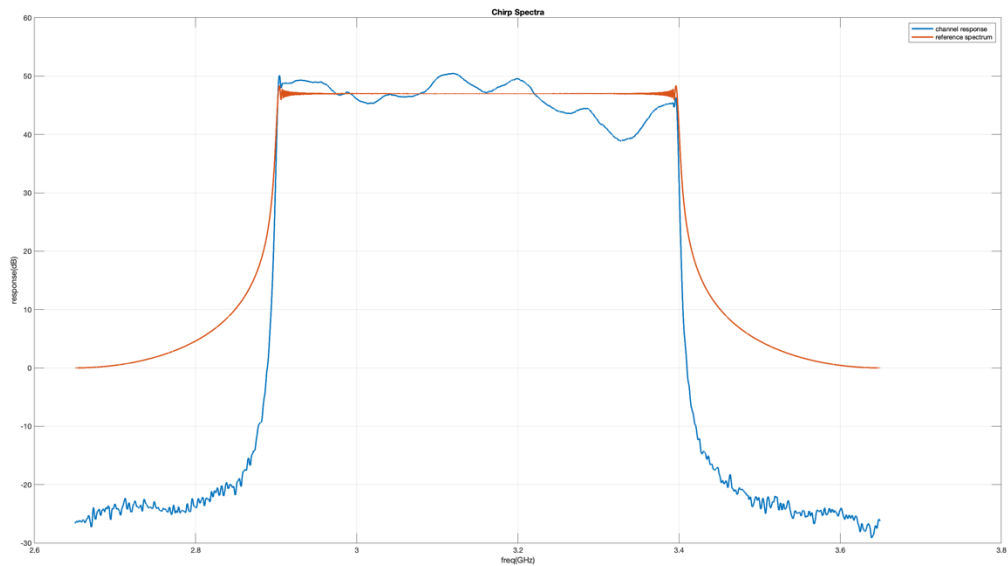
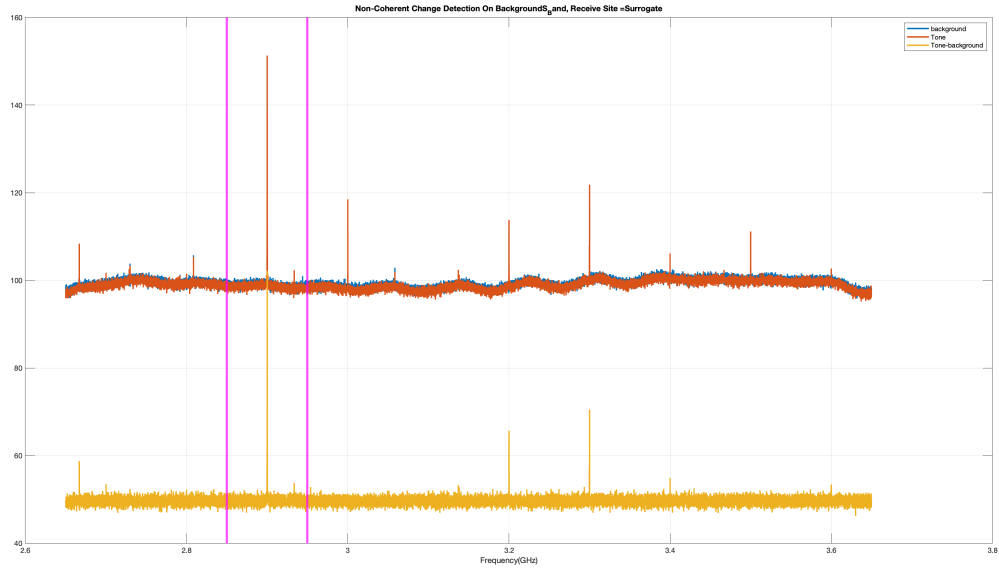
1615MHz – 1630MHz emissions

EMISSION	-3DB	-20DB	-60DB
1615MHZ TONE	1614 / 1616 MHz	1614 / 1616 MHz	1600 / 1630 MHz
1622.5MHZ TONE	1622 / 1623 MHz	1622 / 1623 MHz	1607 / 1637 MHz
1630MHZ TONE	1629 / 1631 MHz	1629 / 1631 MHz	1615 / 1645 MHz
1615-1630MHZ SWEEP	1614 / 1631 MHz	1614 / 1631 MHz	1610 / 1645 MHz



2900MHz – 3400MHz emissions

EMISSION	-3DB	-20DB	-60DB
2900MHZ TONE	2898 / 2902 MHz	2898 / 2902 MHz	2890 / 2910 MHz
3150MHZ TONE	3148 / 3152 MHz	3148 / 3152 MHz	3140 / 3160 MHz
3400MHZ TONE	3398 / 3402 MHz	3398 / 3402 MHz	3390 / 3410 MHz
2900MHZ – 3400MHZ SWEEP	2898 / 3402 MHz	2898 / 3402 MHz	2890 / 3410 MHz



8GHz – 12GHz emissions

EMISSION	-3DB	-20DB	-60DB
8.2GHZ TONE	8.19 / 8.21 GHz	8.19 / 8.21 GHz	8.1 / 8.2 GHz
9.0GHZ TONE	8.99 / 9.01 GHz	8.99 / 9.01 GHz	8.9 / 9.1 GHz
9.8GHZ TONE	9.79 / 9.81 GHz	9.79 / 9.81 GHz	9.7 / 9.9 GHz
8.2GHZ – 9.8GHZ SWEEP	8.19 / 9.81 GHz	8.19 / 8.21 GHz	8.1 / 9.9 GHz

