

1559 – 1610 MHz Radiated Emissions (GNSS)

Date:	16/1/2015	EMC#:	02257-FCCIC-00049		
Product:	APX8000 ALL BAND	S/N	KT000006A01MK4KA12JT	Channel Spacing:	12.5kHz
		Notes:	1. KT000026A01 - VHF/U1/U2/7-800/GPS	GNSS	
Tx Freq.	799.0875				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1598.1750	*	*		
		Notes:	2. NAR6594A - VHF/7-800/GPS	GNSS	
Tx Freq.	799.0875				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1598.1750	*	*		
		Notes:	3. PMAS4001A - U1/U2/7-800/GPS	GNSS	
Tx Freq.	799.0875				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1598.1750	*	*		
		Notes:	4. NAR6595A - 7/800 Stubby	GNSS	
Tx Freq.	799.0875				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1598.1750	*	*		
		Notes:	5. NAF5085A - 7-800/GPS	GNSS	
Tx Freq.	799.0875				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1598.1750	*	*		
		Notes:	6. PMAF4002A - APX 7000 700/800MHZ PSM ANTENNA	GNSS	
Tx Freq.	799.0875				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1598.1750	*	*		

Remarks:* Indicates the unwanted spurious emission could not be detected due to noise limitations or ambients.

Exhibit 6F- 101

Date:	16/1/2015	EMC#:	02257-FCCIC-00049		
Product:	APX8000 ALL BAND	S/N	KT000006A01MK4KA12JT	Channel Spacing:	12.5kHz
		Notes:	1. KT000026A01 - VHF/U1/U2/7-800/GPS	GNSS	
Tx Freq.	804.9125				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1609.8250	*	*		
		Notes:	2. NAR6594A - VHF/7-800/GPS	GNSS	
Tx Freq.	804.9125				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1609.8250	*	*		
		Notes:	3. PMAS4001A - U1/U2/7-800/GPS	GNSS	
Tx Freq.	804.9125				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1609.8250	*	*		
		Notes:	4. NAR6595A - 7/800 Stubby	GNSS	
Tx Freq.	804.9125				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1609.8250	*	*		
		Notes:	5. NAF5085A - 7-800/GPS	GNSS	
Tx Freq.	804.9125				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur.	Spur.		

		Emiss. (dBm)	Emiss. (dBm)		
Spur	MHz	(dBm)	(dBm)		
2XFund	1609.8250	*	*		
		Notes:	6. PMAF4002A - APX 7000 700/800MHZ PSM ANTENNA	GNSS	
Tx Freq.	804.9125				
		Horizontal	Vertical		
		Radiated	Radiated		
	Frequency	Spur. Emiss.	Spur. Emiss.		
Spur	MHz	(dBm)	(dBm)		
2XFund	1609.8250	*	*		

Remarks:* Indicates the unwanted spurious emission could not be detected due to noise limitations or ambients.

Exhibit 6F- 102

Exhibit 6G**Effective Radiated Power (ERP)**

The Effective Radiated Power measured at 769.0125 MHz, 769.0875 MHz, 799.015 MHz, and 804.9125 MHz.

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: KT000026A01 - VHF/U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0125	0	21.37
Horiz.	769.0125	45	17.42
Horiz.	769.0125	90	10.40
Horiz.	769.0125	135	18.80
Horiz.	769.0125	180	22.57
Horiz.	769.0125	225	18.39
Horiz.	769.0125	270	8.76
Horiz.	769.0125	315	19.48
Vert.	769.0125	0	27.53
Vert.	769.0125	45	29.35
Vert.	769.0125	90	26.42
Vert.	769.0125	135	29.57
Vert.	769.0125	180	24.03
Vert.	769.0125	225	26.14
Vert.	769.0125	270	25.08
Vert.	769.0125	315	25.56

Exhibit 6G- 1

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: NAR6594A - VHF/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0125	0	20.58
Horiz.	769.0125	45	16.69
Horiz.	769.0125	90	7.29
Horiz.	769.0125	135	19.20
Horiz.	769.0125	180	22.67
Horiz.	769.0125	225	18.18
Horiz.	769.0125	270	8.36
Horiz.	769.0125	315	18.18
Vert.	769.0125	0	28.91
Vert.	769.0125	45	30.82
Vert.	769.0125	90	31.05
Vert.	769.0125	135	30.67
Vert.	769.0125	180	29.44
Vert.	769.0125	225	28.20
Vert.	769.0125	270	27.60
Vert.	769.0125	315	27.76

Exhibit 6G- 2

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: PMAS4001A - U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0125	0	19.49
Horiz.	769.0125	45	16.85
Horiz.	769.0125	90	11.23
Horiz.	769.0125	135	17.65
Horiz.	769.0125	180	19.87
Horiz.	769.0125	225	16.24
Horiz.	769.0125	270	5.21
Horiz.	769.0125	315	17.66
Vert.	769.0125	0	27.47
Vert.	769.0125	45	29.13
Vert.	769.0125	90	29.42
Vert.	769.0125	135	29.30
Vert.	769.0125	180	28.13
Vert.	769.0125	225	26.98
Vert.	769.0125	270	26.33
Vert.	769.0125	315	26.39

Exhibit 6G- 3

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: NAR6595A - 7/800 Stubby

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0125	0	20.62
Horiz.	769.0125	45	17.47
Horiz.	769.0125	90	5.38
Horiz.	769.0125	135	19.04
Horiz.	769.0125	180	22.75
Horiz.	769.0125	225	19.36
Horiz.	769.0125	270	6.34
Horiz.	769.0125	315	17.79
Vert.	769.0125	0	28.05
Vert.	769.0125	45	29.75
Vert.	769.0125	90	30.34
Vert.	769.0125	135	29.97
Vert.	769.0125	180	28.68
Vert.	769.0125	225	27.03
Vert.	769.0125	270	26.09
Vert.	769.0125	315	26.28

Exhibit 6G- 4

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: NAF5085A - 7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0125	0	18.09
Horiz.	769.0125	45	14.67
Horiz.	769.0125	90	5.87
Horiz.	769.0125	135	17.92
Horiz.	769.0125	180	21.13
Horiz.	769.0125	225	17.73
Horiz.	769.0125	270	3.95
Horiz.	769.0125	315	16.13
Vert.	769.0125	0	29.18
Vert.	769.0125	45	30.63
Vert.	769.0125	90	30.85
Vert.	769.0125	135	30.43
Vert.	769.0125	180	29.51
Vert.	769.0125	225	28.69
Vert.	769.0125	270	28.25
Vert.	769.0125	315	28.17

Exhibit 6G- 5

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: PMAF4002A - APX 7000 700/800MHZ PSM ANTENNA

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0125	0	19.92
Horiz.	769.0125	45	16.65
Horiz.	769.0125	90	4.41
Horiz.	769.0125	135	18.58
Horiz.	769.0125	180	21.88
Horiz.	769.0125	225	18.10
Horiz.	769.0125	270	5.24
Horiz.	769.0125	315	17.70
Vert.	769.0125	0	26.18
Vert.	769.0125	45	27.79
Vert.	769.0125	90	28.30
Vert.	769.0125	135	28.00
Vert.	769.0125	180	26.88
Vert.	769.0125	225	25.06
Vert.	769.0125	270	24.04
Vert.	769.0125	315	24.00

Exhibit 6G- 6

ERP

APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 3 Watts

SR ID: 02257-FCCIC-00049

Antenna: KT000026A01 - VHF/U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0875	0	20.67
Horiz.	769.0875	45	17.16
Horiz.	769.0875	90	5.28
Horiz.	769.0875	135	18.41
Horiz.	769.0875	180	21.64
Horiz.	769.0875	225	17.52
Horiz.	769.0875	270	8.81
Horiz.	769.0875	315	18.86
Vert.	769.0875	0	27.31
Vert.	769.0875	45	28.91
Vert.	769.0875	90	29.26
Vert.	769.0875	135	28.83
Vert.	769.0875	180	27.66
Vert.	769.0875	225	25.83
Vert.	769.0875	270	24.80
Vert.	769.0875	315	25.31

Exhibit 6G- 7

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 3 Watts

SR ID: 02257-FCCIC-00049

Antenna: NAR6594A - VHF/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0875	0	20.32
Horiz.	769.0875	45	17.41
Horiz.	769.0875	90	4.10
Horiz.	769.0875	135	17.89
Horiz.	769.0875	180	21.44
Horiz.	769.0875	225	18.02
Horiz.	769.0875	270	4.88
Horiz.	769.0875	315	17.65
Vert.	769.0875	0	28.76
Vert.	769.0875	45	30.50
Vert.	769.0875	90	30.82
Vert.	769.0875	135	30.45
Vert.	769.0875	180	29.33
Vert.	769.0875	225	28.19
Vert.	769.0875	270	27.33
Vert.	769.0875	315	27.54

Exhibit 6G- 8

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 3 Watts

SR ID: 02257-FCCIC-00049

Antenna: PMAS4001A - U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0875	0	19.14
Horiz.	769.0875	45	16.04
Horiz.	769.0875	90	3.97
Horiz.	769.0875	135	16.55
Horiz.	769.0875	180	19.77
Horiz.	769.0875	225	16.09
Horiz.	769.0875	270	4.96
Horiz.	769.0875	315	16.63
Vert.	769.0875	0	27.40
Vert.	769.0875	45	28.85
Vert.	769.0875	90	28.90
Vert.	769.0875	135	28.81
Vert.	769.0875	180	27.85
Vert.	769.0875	225	26.53
Vert.	769.0875	270	25.98
Vert.	769.0875	315	26.06

Exhibit 6G- 9

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing**

S/N: KT000006A01MK4KA12JT
 SR ID: 02257-FCCIC-00049
 Antenna: NAR6595A - 7/800 Stubby

Tx Power: 3 Watts

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0875	0	20.83
Horiz.	769.0875	45	17.72
Horiz.	769.0875	90	4.46
Horiz.	769.0875	135	18.18
Horiz.	769.0875	180	21.75
Horiz.	769.0875	225	17.74
Horiz.	769.0875	270	6.49
Horiz.	769.0875	315	18.49
Vert.	769.0875	0	28.30
Vert.	769.0875	45	30.25
Vert.	769.0875	90	30.62
Vert.	769.0875	135	30.28
Vert.	769.0875	180	28.81
Vert.	769.0875	225	27.19
Vert.	769.0875	270	26.10
Vert.	769.0875	315	26.39

Exhibit 6G- 10

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing**

S/N: KT000006A01MK4KA12JT
 SR ID: 02257-FCCIC-00049
 Antenna: NAF5085A - 7-800/GPS

Tx Power: 3 Watts

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0875	0	19.96
Horiz.	769.0875	45	17.91
Horiz.	769.0875	90	4.44
Horiz.	769.0875	135	18.01
Horiz.	769.0875	180	21.64
Horiz.	769.0875	225	18.35
Horiz.	769.0875	270	5.27
Horiz.	769.0875	315	17.46
Vert.	769.0875	0	28.16
Vert.	769.0875	45	30.47
Vert.	769.0875	90	30.93
Vert.	769.0875	135	30.67
Vert.	769.0875	180	29.20
Vert.	769.0875	225	28.22
Vert.	769.0875	270	27.22
Vert.	769.0875	315	27.63

Exhibit 6G- 11

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing**

S/N: KT000006A01MK4KA12JT Tx Power: 3 Watts
 SR ID: 02257-FCCIC-00049
 Antenna: PMAF4002A - APX 7000 700/800MHZ PSM ANTENNA

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	769.0875	0	22.91
Horiz.	769.0875	45	19.49
Horiz.	769.0875	90	3.28
Horiz.	769.0875	135	19.23
Horiz.	769.0875	180	23.14
Horiz.	769.0875	225	19.60
Horiz.	769.0875	270	4.95
Horiz.	769.0875	315	19.72
Vert.	769.0875	0	28.13
Vert.	769.0875	45	29.84
Vert.	769.0875	90	30.48
Vert.	769.0875	135	29.92
Vert.	769.0875	180	28.82
Vert.	769.0875	225	27.45
Vert.	769.0875	270	25.57
Vert.	769.0875	315	26.22

Exhibit 6G- 12

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: KT000026A01 - VHF/U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	799.0125	0	23.31
Horiz.	799.0125	45	19.59
Horiz.	799.0125	90	6.80
Horiz.	799.0125	135	19.32
Horiz.	799.0125	180	23.20
Horiz.	799.0125	225	20.02
Horiz.	799.0125	270	11.75
Horiz.	799.0125	315	19.75
Vert.	799.0125	0	28.45
Vert.	799.0125	45	29.64
Vert.	799.0125	90	30.67
Vert.	799.0125	135	30.39
Vert.	799.0125	180	29.24
Vert.	799.0125	225	27.01
Vert.	799.0125	270	26.95
Vert.	799.0125	315	27.52

Exhibit 6G- 13

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing****S/N:** KT000006A01MK4KA12JT**Tx Power:** 2 Watts**SR ID:** 02257-FCCIC-00049**Antenna:** NAR6594A - VHF/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	799.0125	0	21.20
Horiz.	799.0125	45	8.47
Horiz.	799.0125	90	8.57
Horiz.	799.0125	135	19.19
Horiz.	799.0125	180	22.44
Horiz.	799.0125	225	18.49
Horiz.	799.0125	270	7.61
Horiz.	799.0125	315	18.78
Vert.	799.0125	0	28.45
Vert.	799.0125	45	31.03
Vert.	799.0125	90	31.21
Vert.	799.0125	135	30.88
Vert.	799.0125	180	28.92
Vert.	799.0125	225	29.40
Vert.	799.0125	270	29.79
Vert.	799.0125	315	29.62

Exhibit 6G- 14

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 2 Watts

SR ID: 02257-FCCIC-00049

Antenna: PMAS4001A - U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	799.0125	0	19.38
Horiz.	799.0125	45	15.58
Horiz.	799.0125	90	7.72
Horiz.	799.0125	135	17.63
Horiz.	799.0125	180	20.06
Horiz.	799.0125	225	15.84
Horiz.	799.0125	270	8.96
Horiz.	799.0125	315	16.99
Vert.	799.0125	0	29.58
Vert.	799.0125	45	30.09
Vert.	799.0125	90	30.52
Vert.	799.0125	135	30.11
Vert.	799.0125	180	29.33
Vert.	799.0125	225	28.38
Vert.	799.0125	270	27.62
Vert.	799.0125	315	28.51

Exhibit 6G- 15

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing****S/N: KT000006A01MK4KA12JT****Tx Power: 2 Watts****SR ID: 02257-FCCIC-00049****Antenna: NAR6595A - 7/800 Stubby**

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	799.0125	0	23.61
Horiz.	799.0125	45	20.45
Horiz.	799.0125	90	6.92
Horiz.	799.0125	135	18.98
Horiz.	799.0125	180	23.54
Horiz.	799.0125	225	18.53
Horiz.	799.0125	270	11.25
Horiz.	799.0125	315	19.59
Vert.	799.0125	0	28.75
Vert.	799.0125	45	29.60
Vert.	799.0125	90	30.43
Vert.	799.0125	135	30.05
Vert.	799.0125	180	28.92
Vert.	799.0125	225	28.01
Vert.	799.0125	270	27.68
Vert.	799.0125	315	27.93

Exhibit 6G- 16

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing****S/N:** KT000006A01MK4KA12JT**Tx Power:** 2 Watts**SR ID:** 02257-FCCIC-00049**Antenna:** NAF5085A - 7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	799.0125	0	19.48
Horiz.	799.0125	45	15.79
Horiz.	799.0125	90	8.46
Horiz.	799.0125	135	18.43
Horiz.	799.0125	180	21.15
Horiz.	799.0125	225	17.38
Horiz.	799.0125	270	6.48
Horiz.	799.0125	315	16.51
Vert.	799.0125	0	30.52
Vert.	799.0125	45	31.18
Vert.	799.0125	90	31.42
Vert.	799.0125	135	31.03
Vert.	799.0125	180	30.05
Vert.	799.0125	225	29.05
Vert.	799.0125	270	28.92
Vert.	799.0125	315	29.44

Exhibit 6G- 17

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing****S/N: KT000006A01MK4KA12JT****Tx Power: 2 Watts****SR ID: 02257-FCCIC-00049****Antenna: PMAF4002A - APX 7000 700/800MHZ PSM ANTENNA**

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	799.0125	0	22.17
Horiz.	799.0125	45	20.00
Horiz.	799.0125	90	4.57
Horiz.	799.0125	135	19.01
Horiz.	799.0125	180	22.96
Horiz.	799.0125	225	20.28
Horiz.	799.0125	270	7.96
Horiz.	799.0125	315	19.20
Vert.	799.0125	0	28.49
Vert.	799.0125	45	29.83
Vert.	799.0125	90	30.99
Vert.	799.0125	135	29.16
Vert.	799.0125	180	28.24
Vert.	799.0125	225	25.87
Vert.	799.0125	270	25.91
Vert.	799.0125	315	25.74

Exhibit 6G- 18

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 3 Watts

SR ID: 02257-FCCIC-00049

Antenna: KT000026A01 - VHF/U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	804.9125	0	22.23
Horiz.	804.9125	45	19.68
Horiz.	804.9125	90	7.61
Horiz.	804.9125	135	19.30
Horiz.	804.9125	180	23.32
Horiz.	804.9125	225	20.14
Horiz.	804.9125	270	10.56
Horiz.	804.9125	315	19.83
Vert.	804.9125	0	27.23
Vert.	804.9125	45	28.60
Vert.	804.9125	90	29.92
Vert.	804.9125	135	29.54
Vert.	804.9125	180	28.52
Vert.	804.9125	225	26.04
Vert.	804.9125	270	26.37
Vert.	804.9125	315	26.24

Exhibit 6G- 19

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 3 Watts

SR ID: 02257-FCCIC-00049

Antenna: NAR6594A - VHF/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	804.9125	0	20.58
Horiz.	804.9125	45	17.55
Horiz.	804.9125	90	7.47
Horiz.	804.9125	135	18.59
Horiz.	804.9125	180	22.37
Horiz.	804.9125	225	19.39
Horiz.	804.9125	270	8.35
Horiz.	804.9125	315	17.92
Vert.	804.9125	0	29.39
Vert.	804.9125	45	30.31
Vert.	804.9125	90	30.81
Vert.	804.9125	135	30.72
Vert.	804.9125	180	29.80
Vert.	804.9125	225	28.33
Vert.	804.9125	270	28.18
Vert.	804.9125	315	28.58

Exhibit 6G- 20

ERP APX8000 ALL BAND 12.5kHz Channel Spacing

S/N: KT000006A01MK4KA12JT

Tx Power: 3 Watts

SR ID: 02257-FCCIC-00049

Antenna: PMAS4001A - U1/U2/7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	804.9125	0	21.08
Horiz.	804.9125	45	17.72
Horiz.	804.9125	90	6.70
Horiz.	804.9125	135	18.34
Horiz.	804.9125	180	21.67
Horiz.	804.9125	225	18.40
Horiz.	804.9125	270	9.71
Horiz.	804.9125	315	18.28
Vert.	804.9125	0	30.06
Vert.	804.9125	45	30.72
Vert.	804.9125	90	31.00
Vert.	804.9125	135	30.95
Vert.	804.9125	180	30.49
Vert.	804.9125	225	29.36
Vert.	804.9125	270	29.13
Vert.	804.9125	315	29.38

Exhibit 6G- 21

ERP**APX8000 ALL BAND 12.5kHz Channel Spacing****S/N:** KT000006A01MK4KA12JT**Tx Power:** 3 Watts**SR ID:** 02257-FCCIC-00049**Antenna:** NAR6595A - 7/800 Stubby

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	804.9125	0	24.90
Horiz.	804.9125	45	22.01
Horiz.	804.9125	90	9.97
Horiz.	804.9125	135	21.60
Horiz.	804.9125	180	25.79
Horiz.	804.9125	225	22.71
Horiz.	804.9125	270	11.48
Horiz.	804.9125	315	21.94
Vert.	804.9125	0	29.54
Vert.	804.9125	45	30.41
Vert.	804.9125	90	30.90
Vert.	804.9125	135	30.66
Vert.	804.9125	180	30.61
Vert.	804.9125	225	28.60
Vert.	804.9125	270	29.26
Vert.	804.9125	315	28.41

Exhibit 6G- 22**ERP****APX8000 ALL BAND 12.5kHz Channel Spacing****S/N:** KT000006A01MK4KA12JT**Tx Power:** 3 Watts**SR ID:** 02257-FCCIC-00049**Antenna:** NAF5085A - 7-800/GPS

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	804.9125	0	21.40
Horiz.	804.9125	45	18.40
Horiz.	804.9125	90	8.08
Horiz.	804.9125	135	20.25
Horiz.	804.9125	180	23.60
Horiz.	804.9125	225	20.85
Horiz.	804.9125	270	7.97
Horiz.	804.9125	315	18.12
Vert.	804.9125	0	30.51
Vert.	804.9125	45	30.88
Vert.	804.9125	90	30.65
Vert.	804.9125	135	30.58
Vert.	804.9125	180	30.65
Vert.	804.9125	225	30.23
Vert.	804.9125	270	29.95
Vert.	804.9125	315	30.62

Exhibit 6G- 23

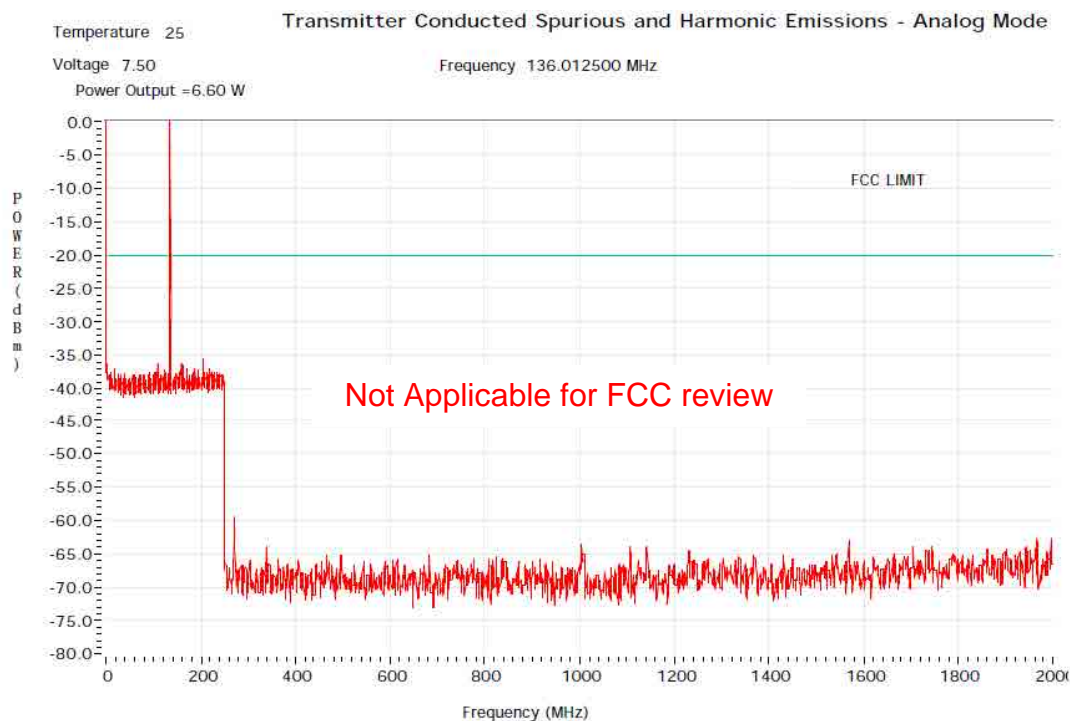
ERP**APX8000 ALL BAND 12.5kHz Channel Spacing****S/N: KT000006A01MK4KA12JT****Tx Power: 3 Watts****SR ID: 02257-FCCIC-00049****Antenna: PMAF4002A - APX 7000 700/800MHZ PSM ANTENNA**

	Frequency	Turn Table Deg.	Radiated Spur Emiss. (dBm)
Horiz.	804.9125	0	21.32
Horiz.	804.9125	45	18.15
Horiz.	804.9125	90	9.44
Horiz.	804.9125	135	20.58
Horiz.	804.9125	180	23.58
Horiz.	804.9125	225	20.31
Horiz.	804.9125	270	8.00
Horiz.	804.9125	315	18.62
Vert.	804.9125	0	30.48
Vert.	804.9125	45	30.97
Vert.	804.9125	90	30.83
Vert.	804.9125	135	30.99
Vert.	804.9125	180	30.58
Vert.	804.9125	225	30.21
Vert.	804.9125	270	29.94
Vert.	804.9125	315	30.29

Exhibit 6G- 24

Exhibit 6H**Transmitter Conducted Spurious Emissions**

Spurious response was measured at 136.0125 MHz, 138.0125 MHz, 158.55 MHz, 161.7 MHz, 173.3875 MHz, 380.0125 MHz, 406.2 MHz, 450.025 MHz, 459.125 MHz, 467.775 MHz, 469.9875 MHz, 482.0125 MHz, 511.9875 MHz, 519.9875 MHz, 764.0125 MHz, 768.0125 MHz, 769.0125 MHz, 804.9125 MHz, 805.9875 MHz, 806.0125 MHz, 823.9875 MHz, 851.0125 MHz, 860.0125 MHz, and 868.8875 MHz. Conducted emissions were measured to 2 GHz. All spurious and harmonic emissions are well below the FCC limit.

**Exhibit 6H- 1**

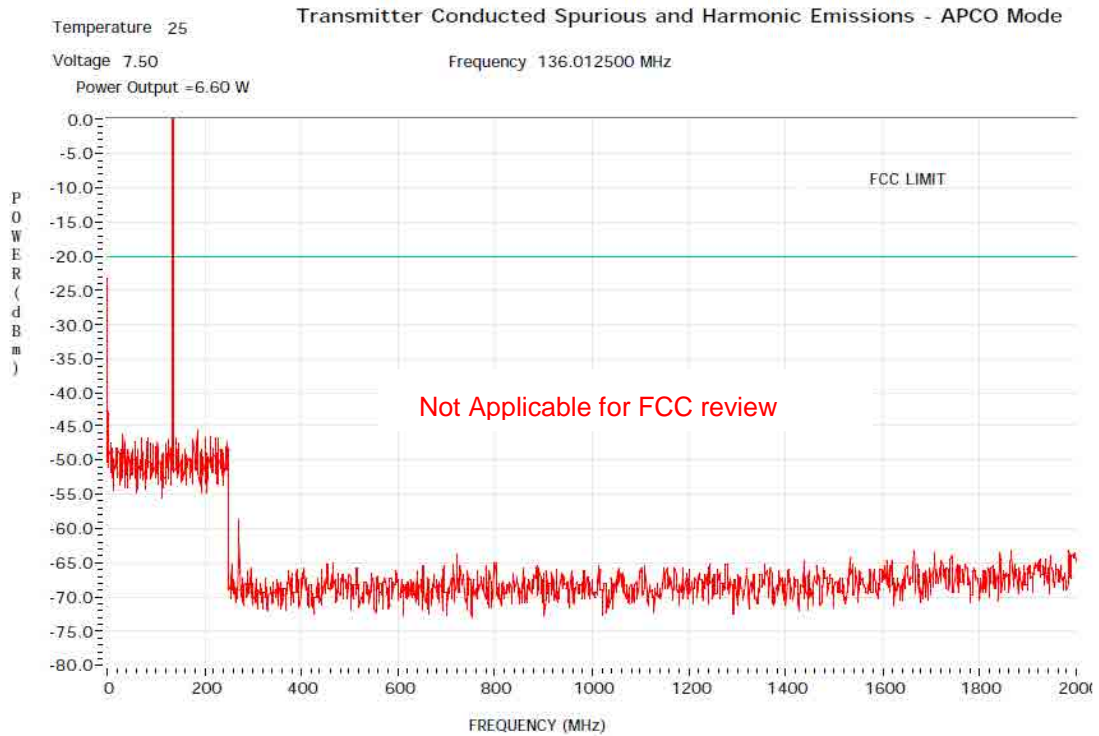


Exhibit 6H- 2

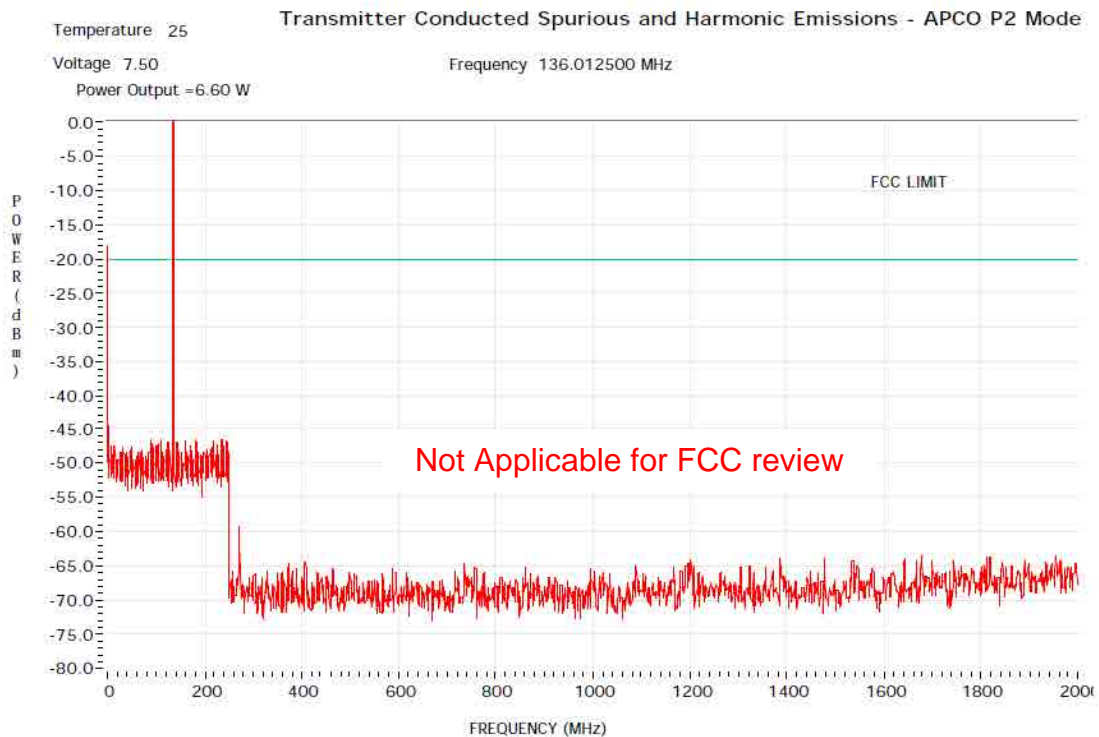
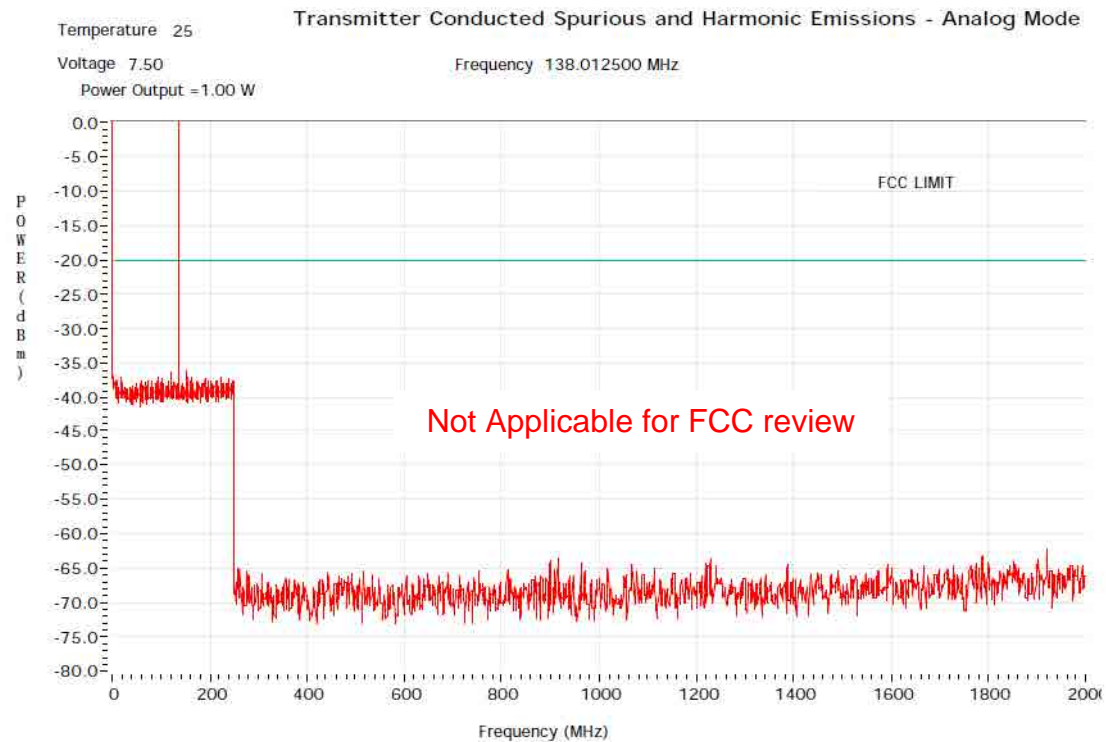
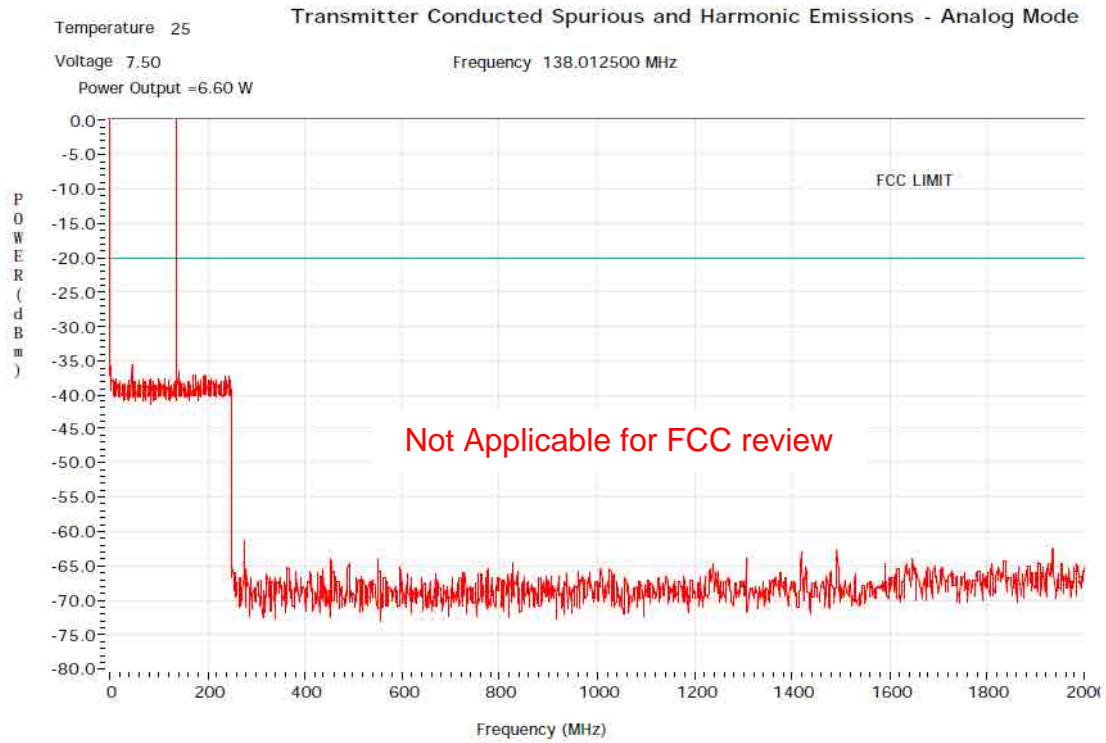


Exhibit 6H- 3



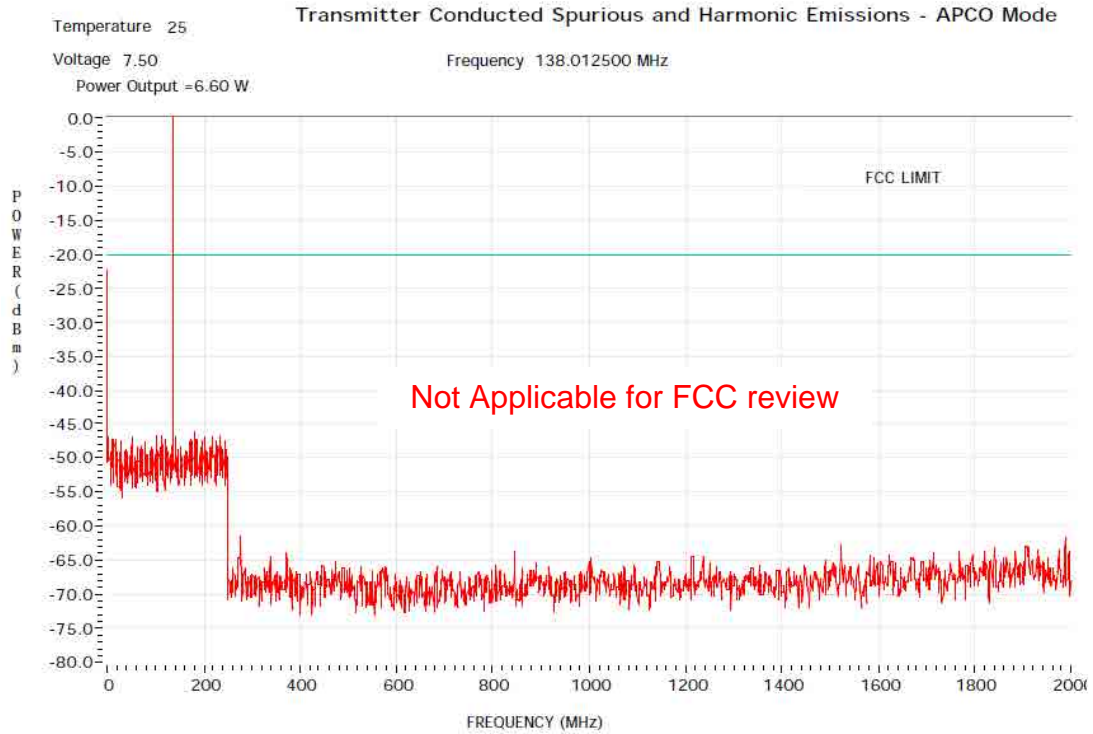


Exhibit 6H- 6

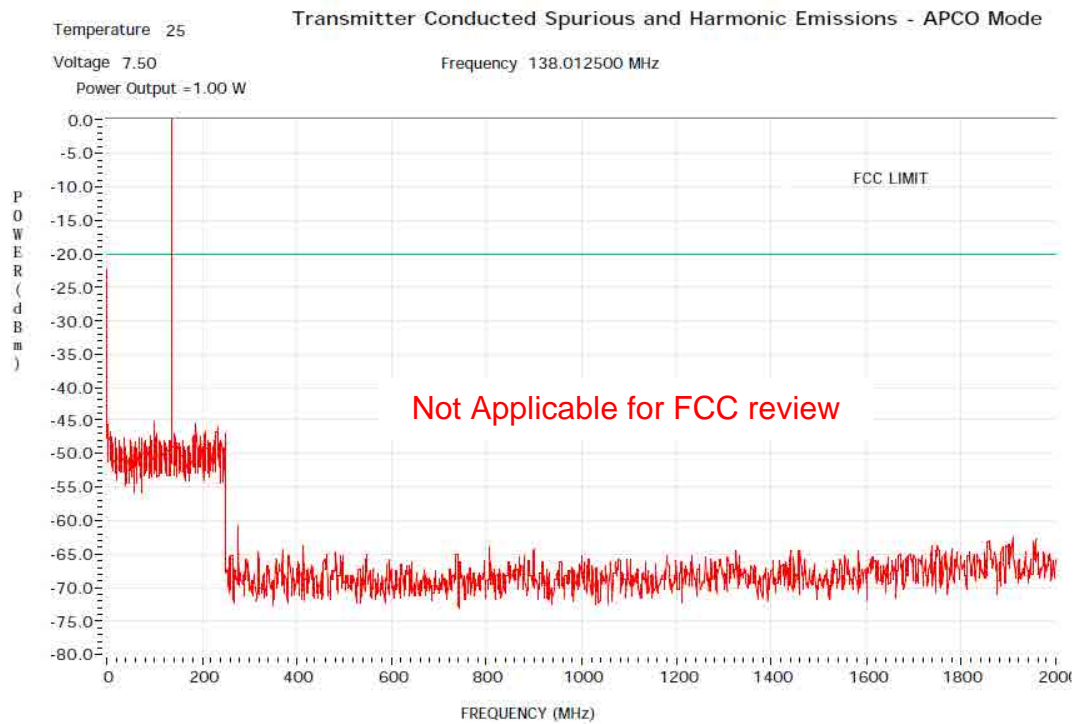


Exhibit 6H- 7

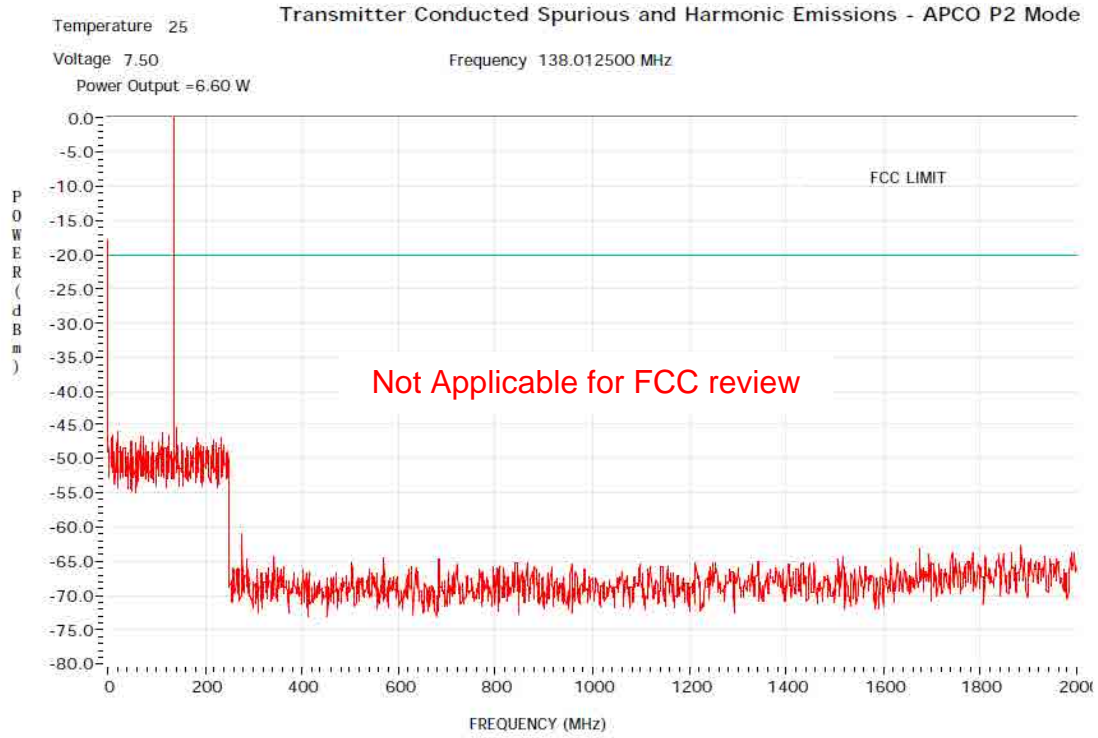


Exhibit 6H- 8

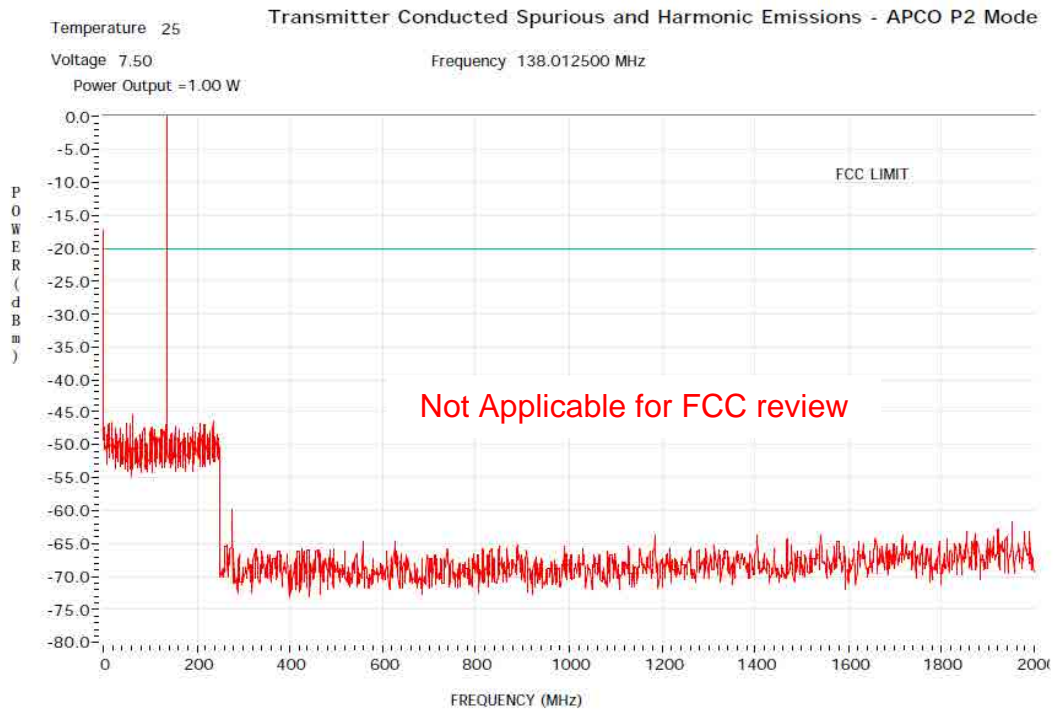


Exhibit 6H- 9

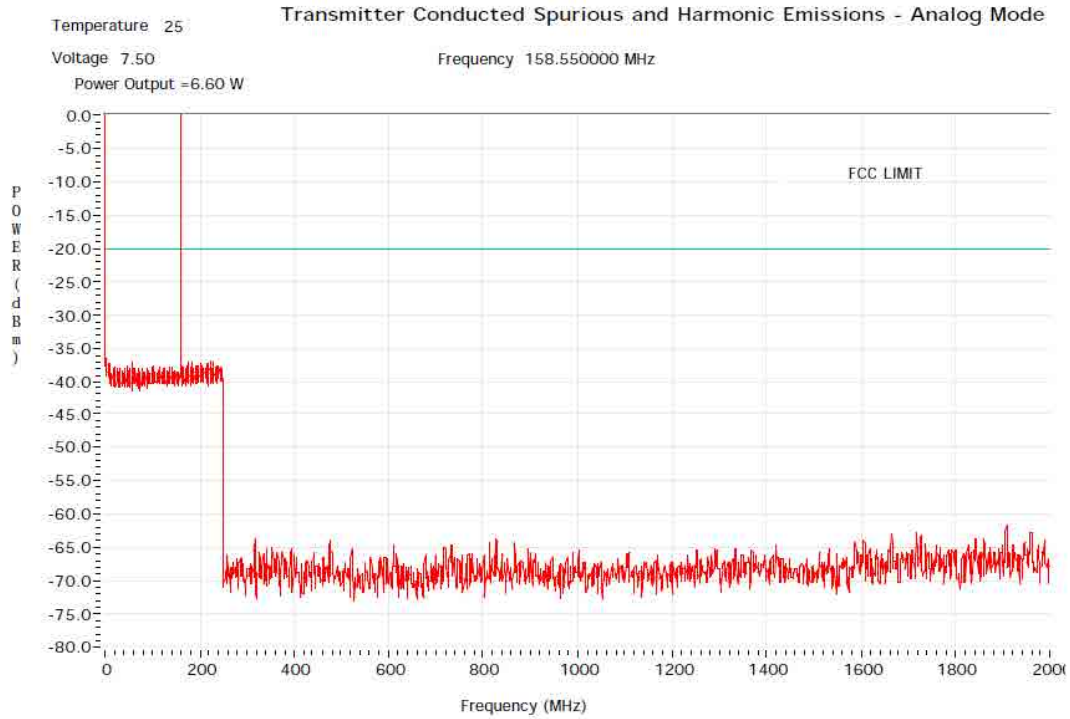


Exhibit 6H- 10

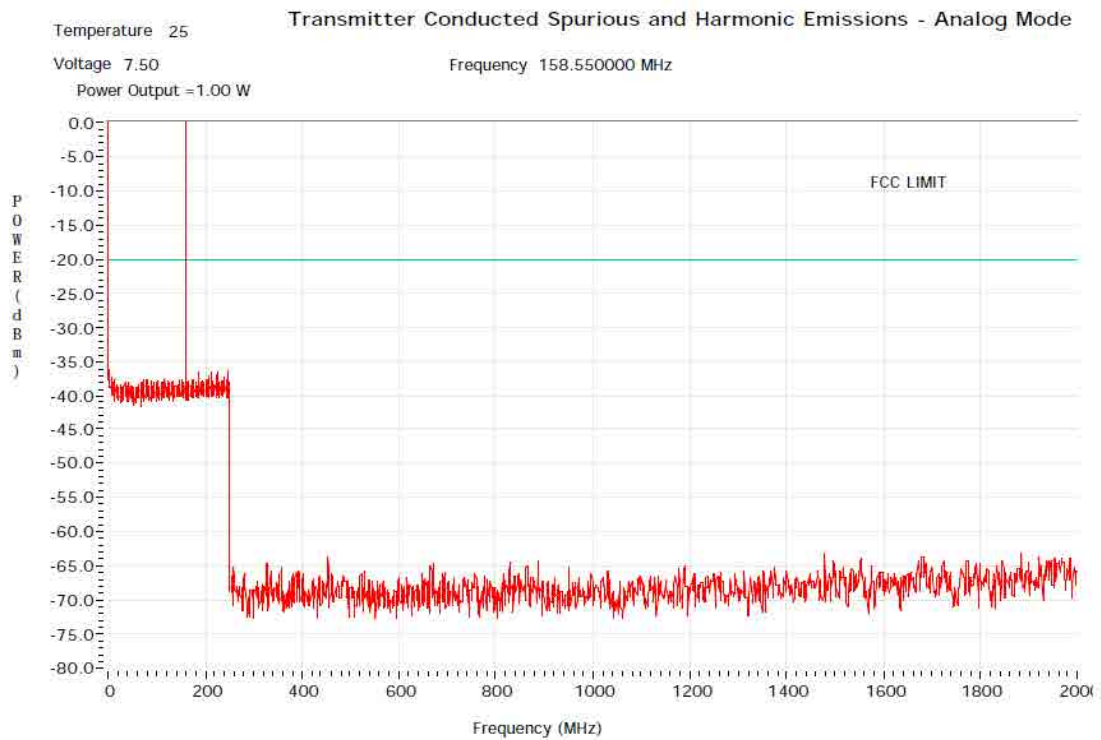


Exhibit 6H- 11

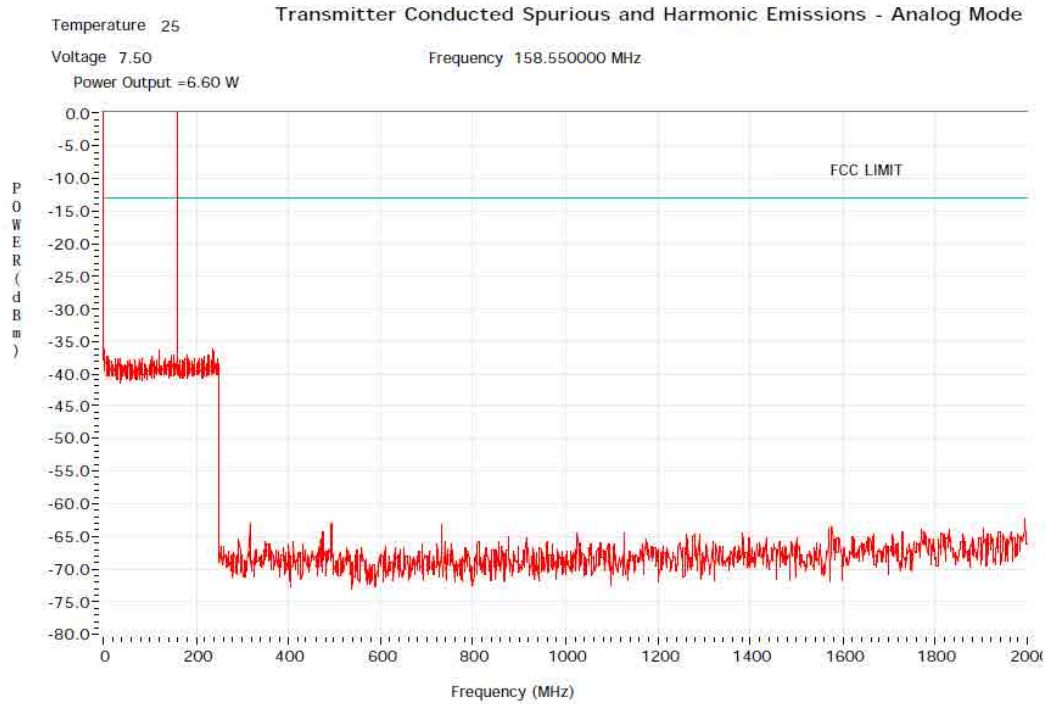


Exhibit 6H- 12

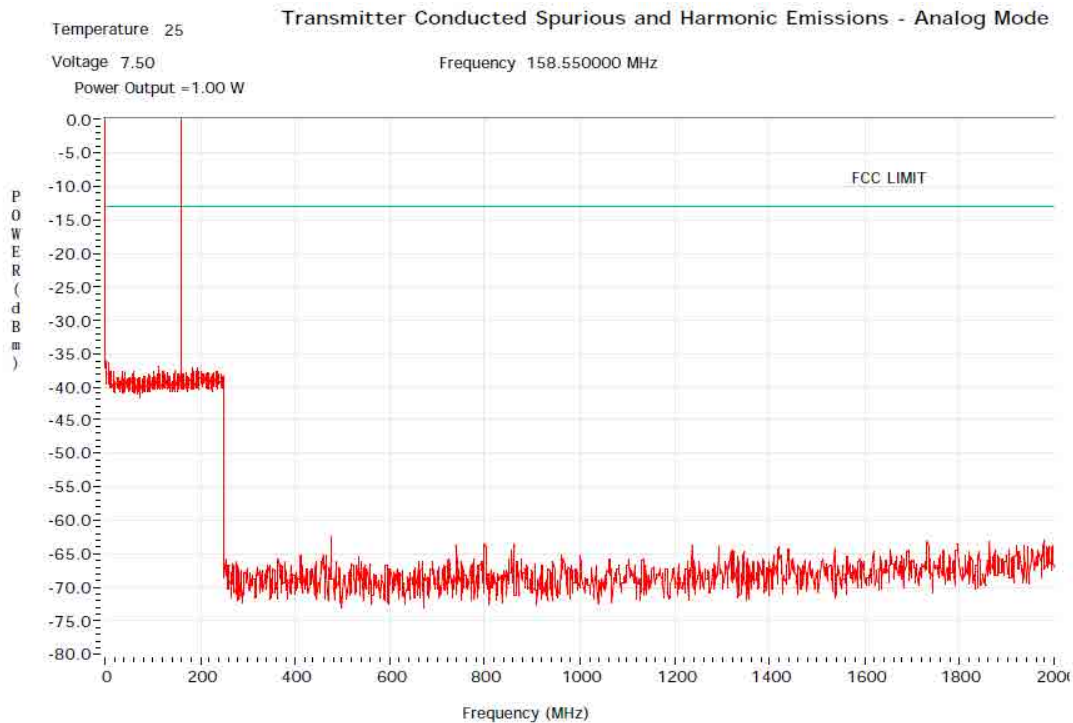


Exhibit 6H- 13

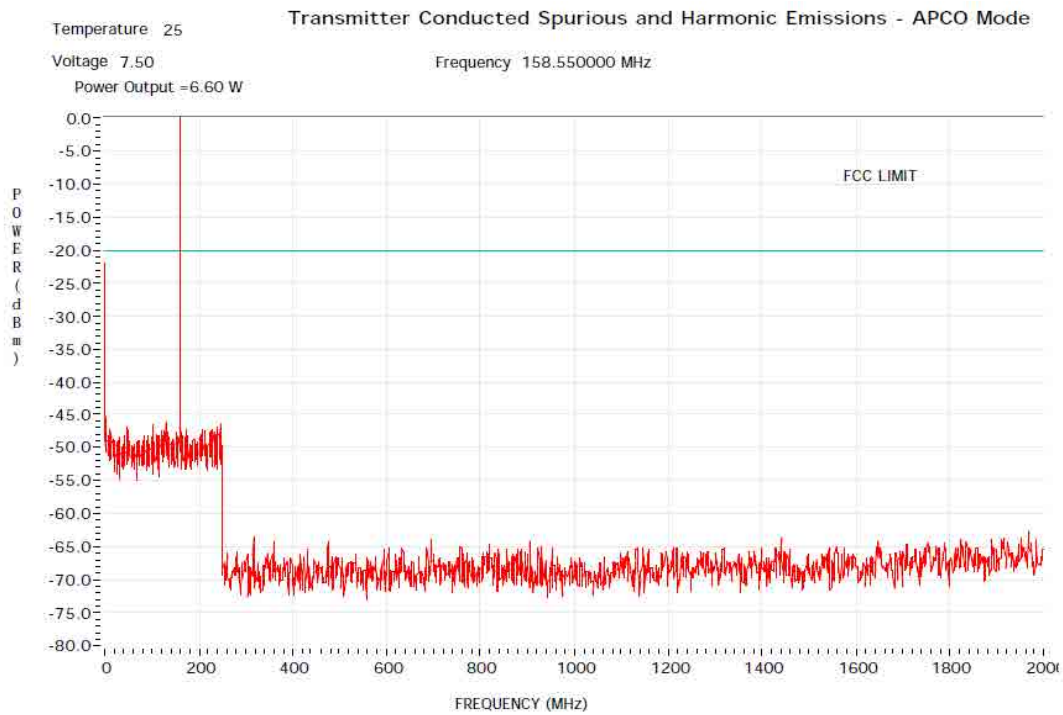


Exhibit 6H- 14

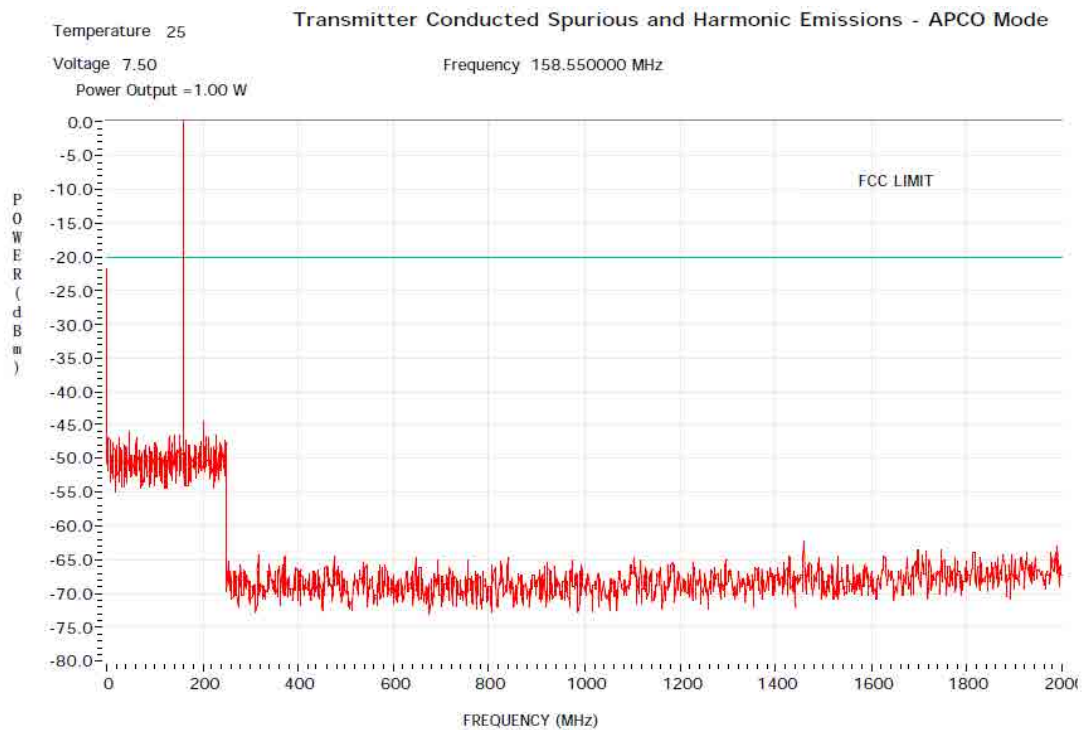


Exhibit 6H- 15

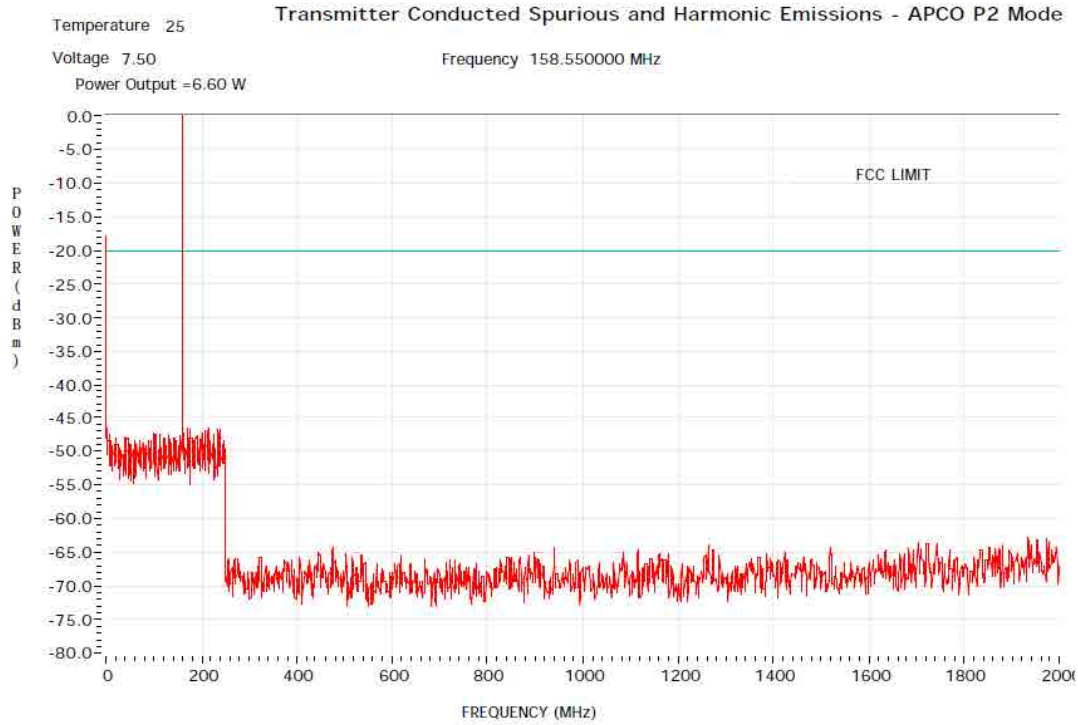


Exhibit 6H- 16

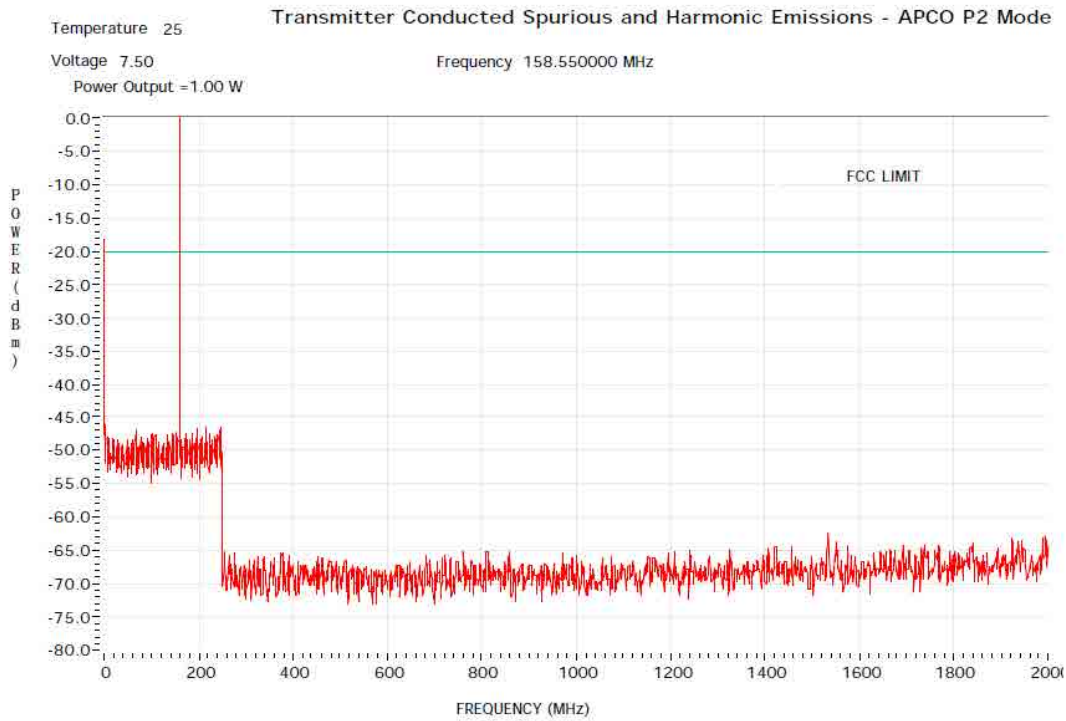


Exhibit 6H- 17

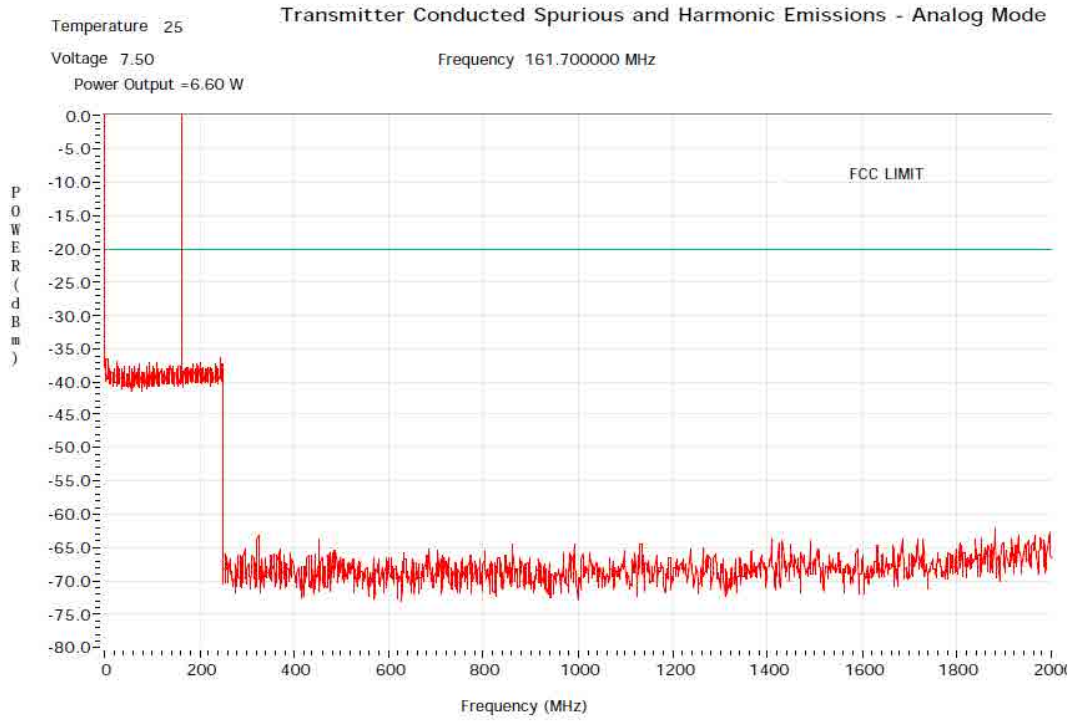


Exhibit 6H- 18

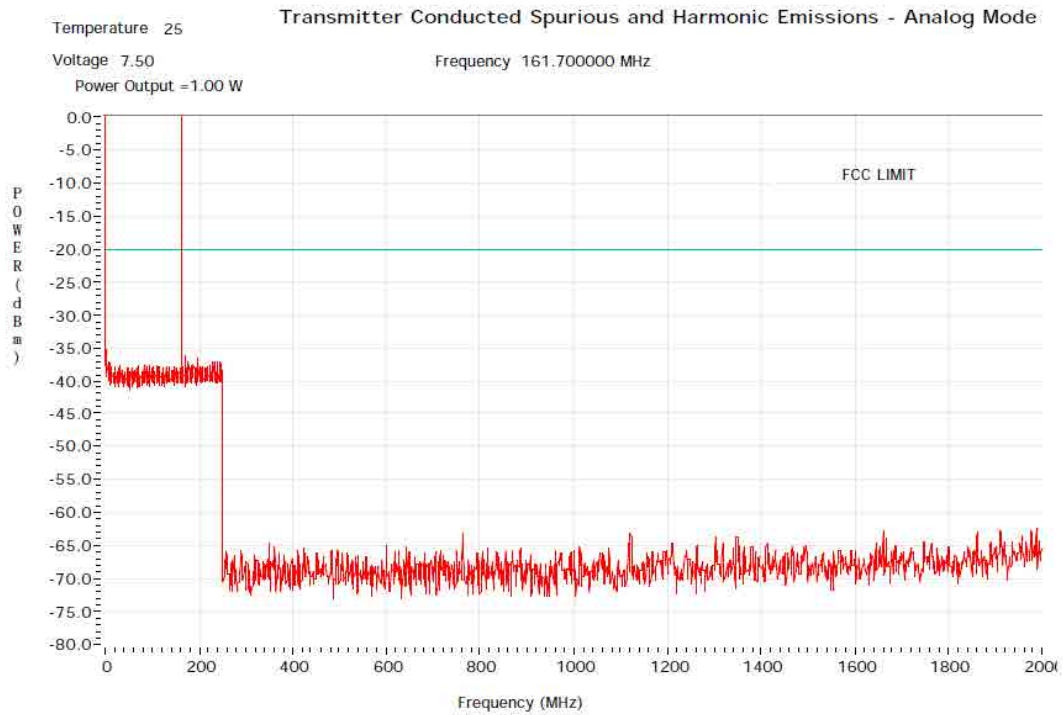


Exhibit 6H- 19

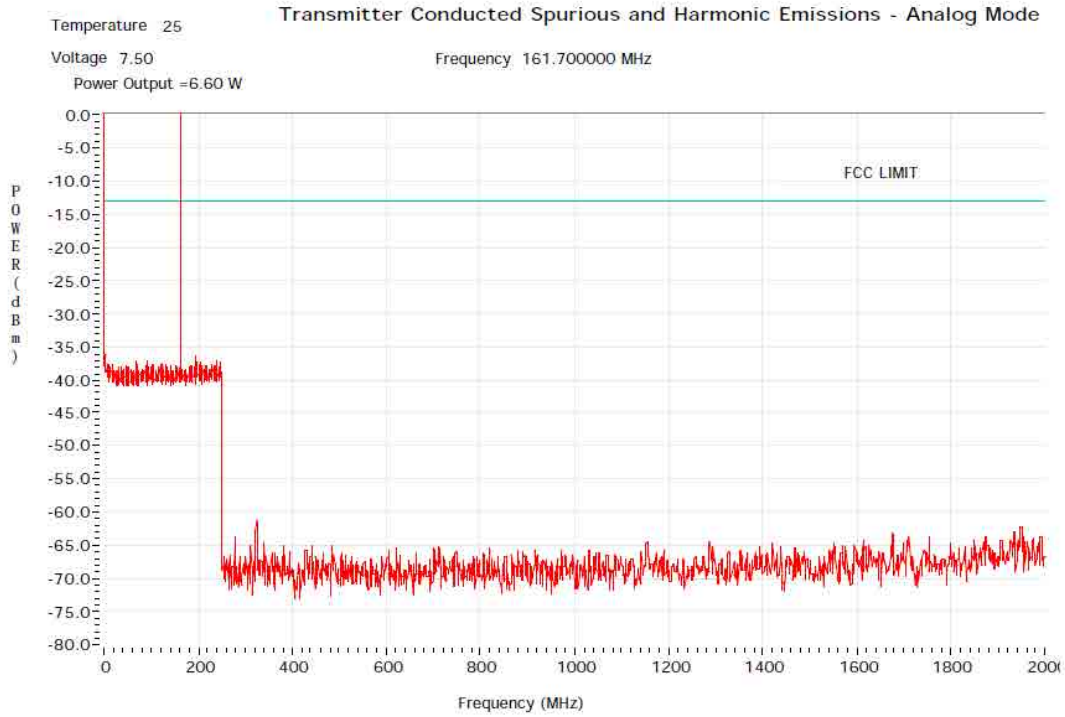


Exhibit 6H- 20

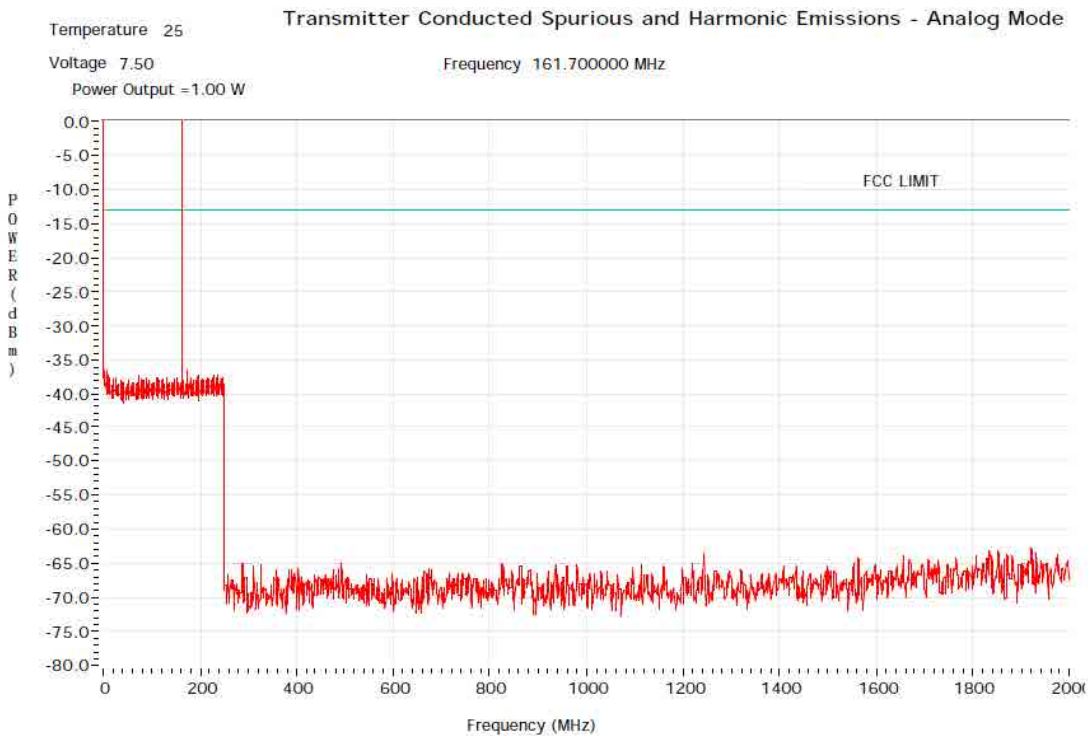


Exhibit 6H- 21

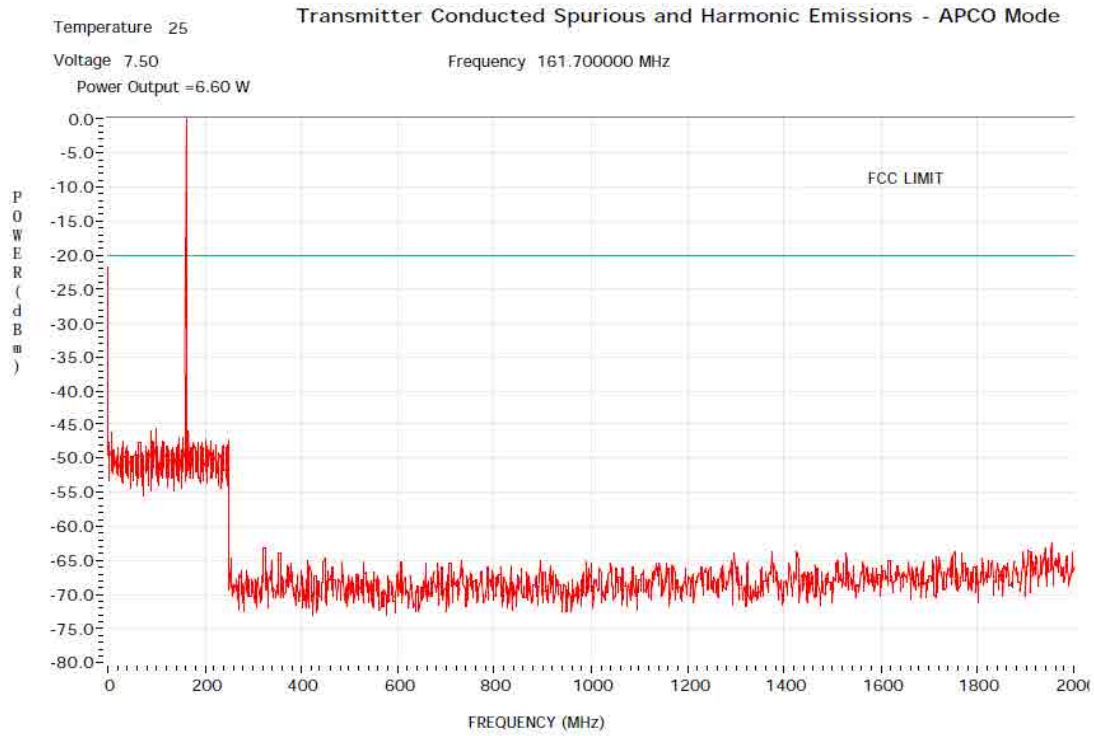


Exhibit 6H- 22

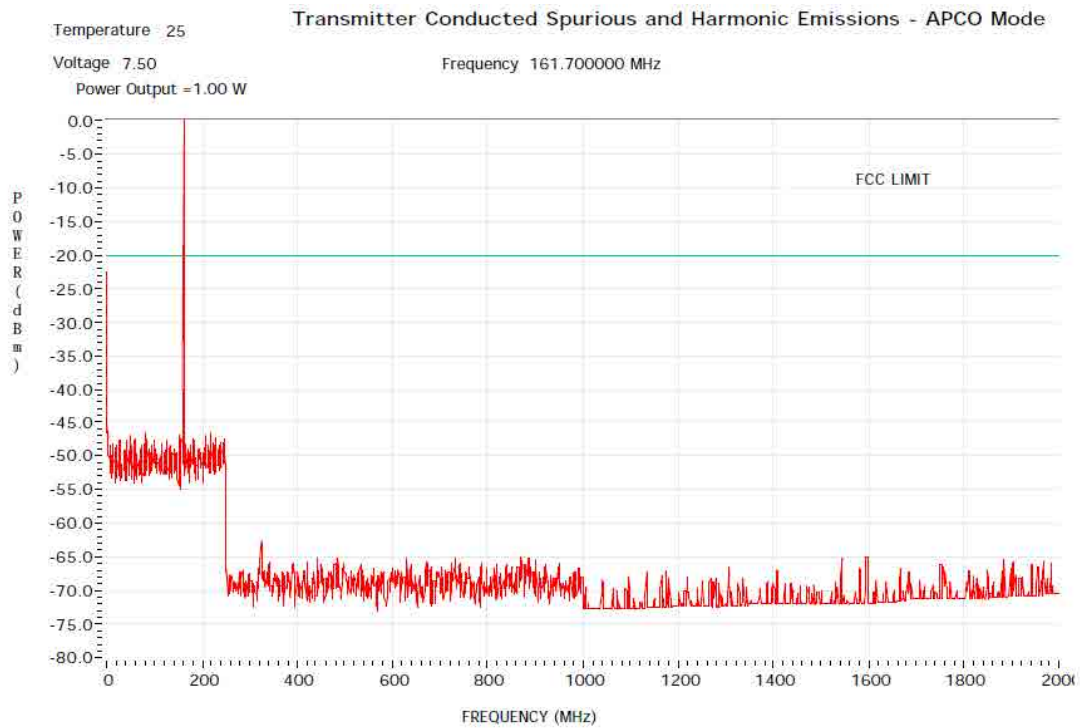


Exhibit 6H- 23

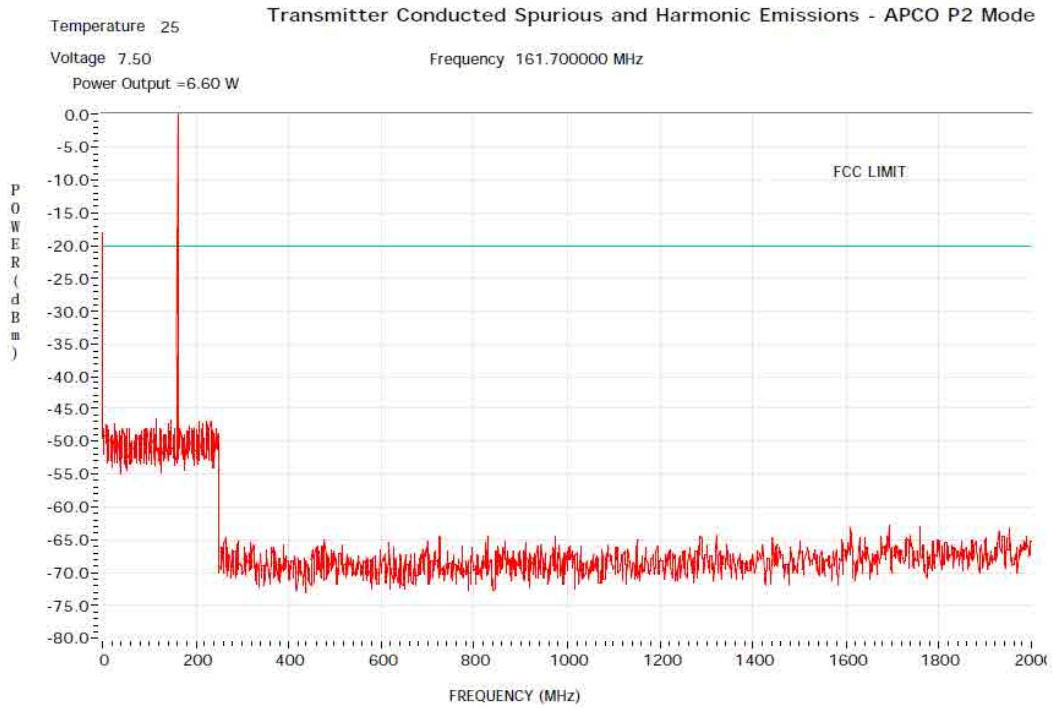


Exhibit 6H- 24

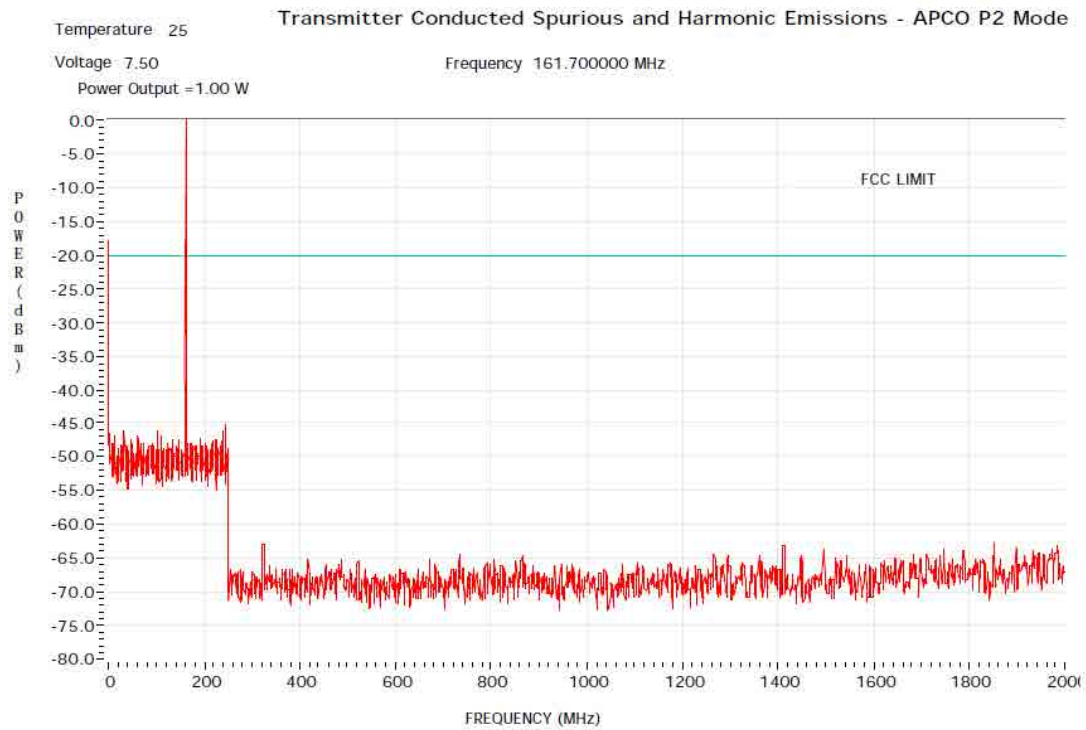


Exhibit 6H- 25

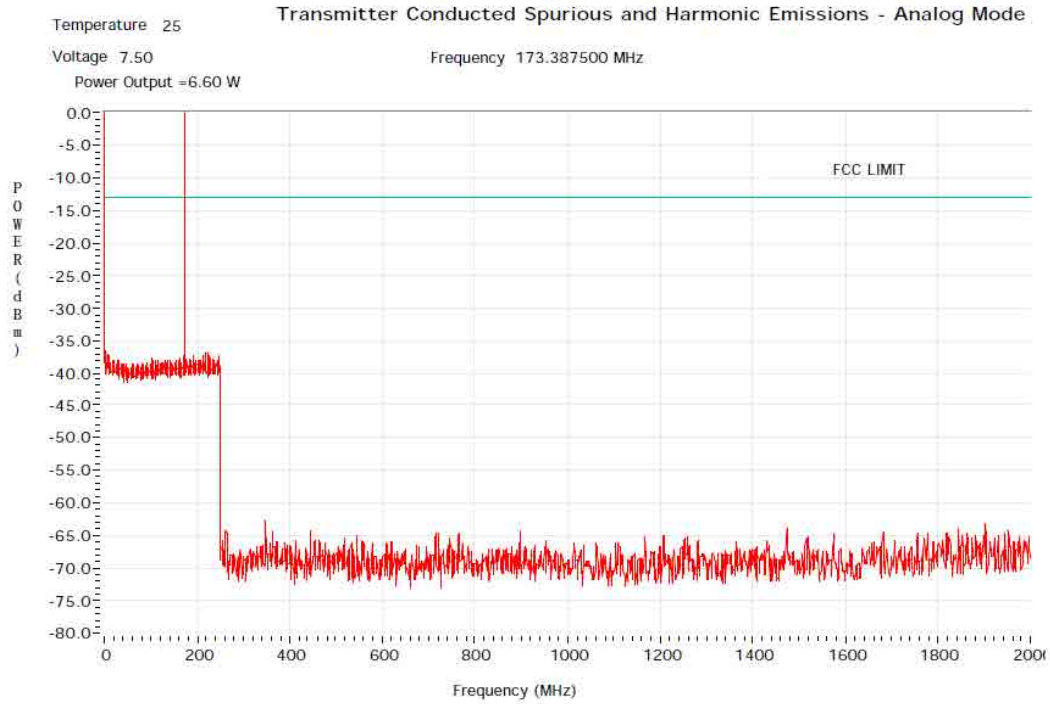


Exhibit 6H- 26

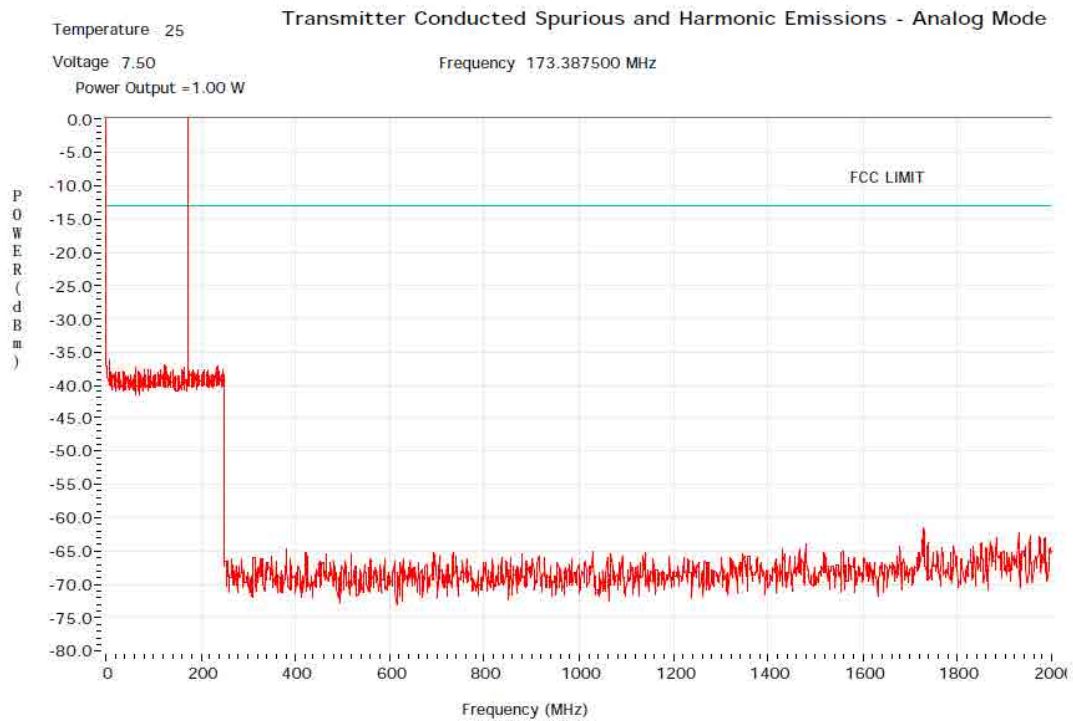


Exhibit 6H- 27

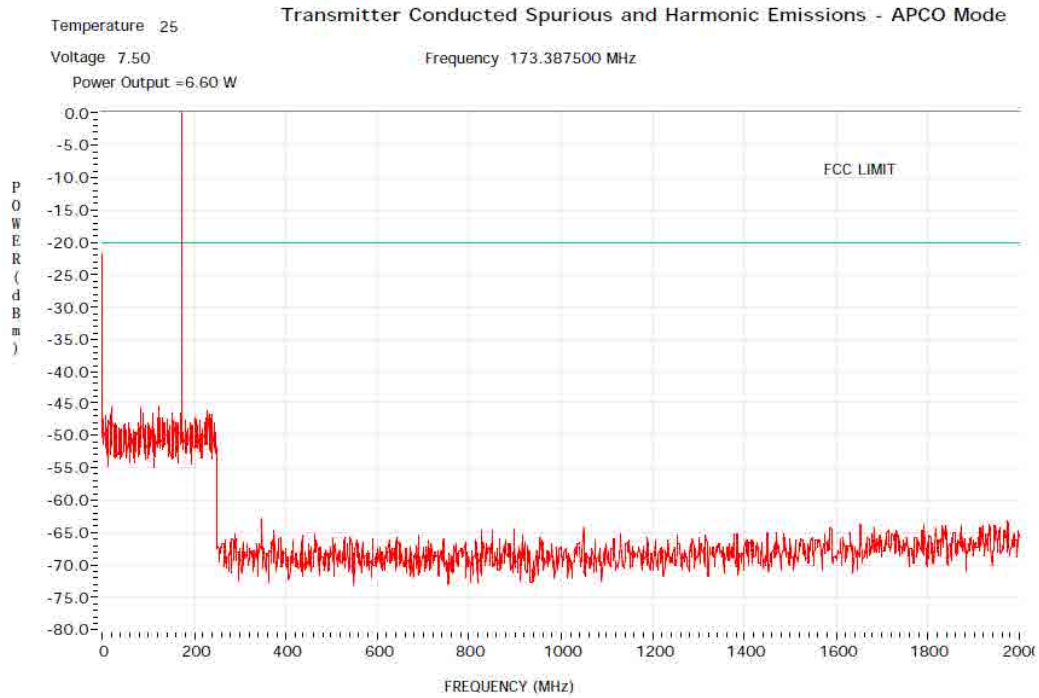


Exhibit 6H- 28

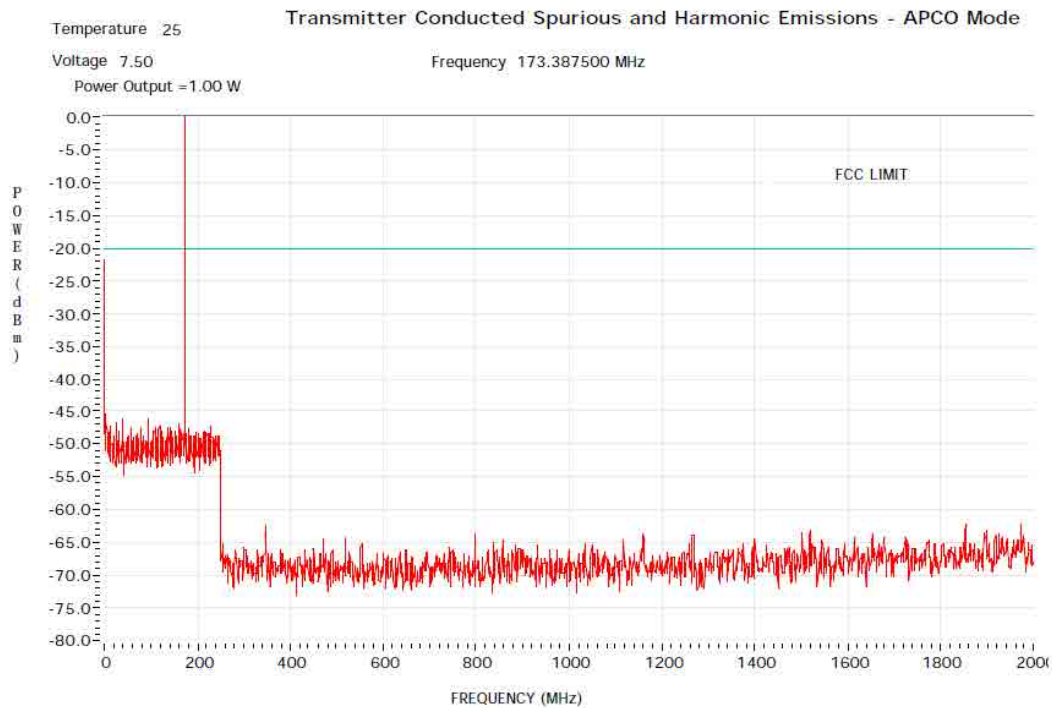


Exhibit 6H- 29

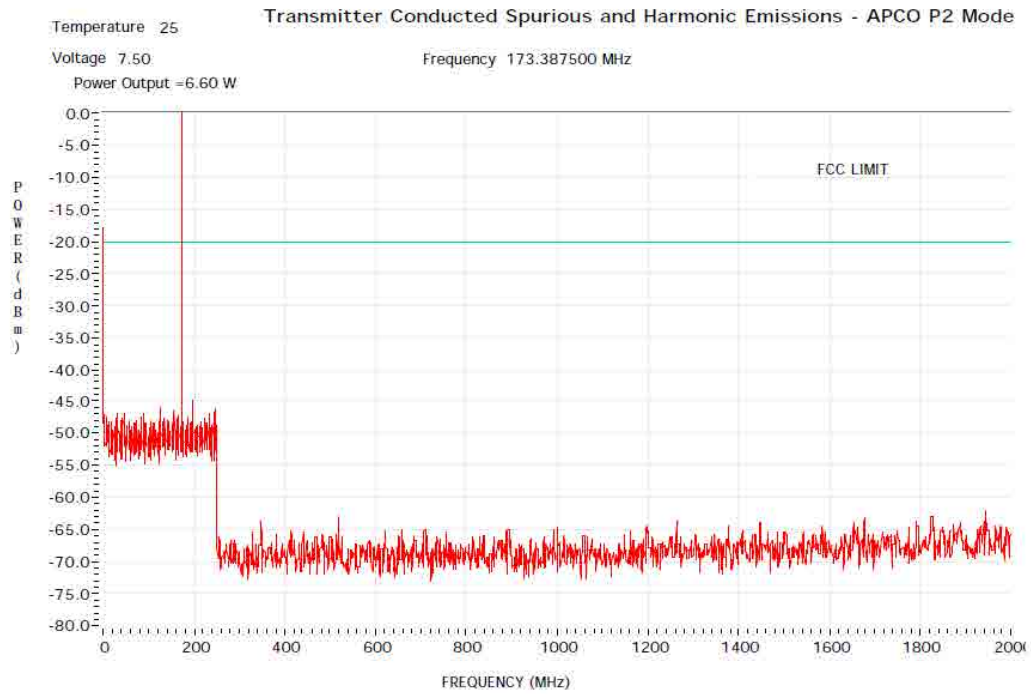


Exhibit 6H- 30

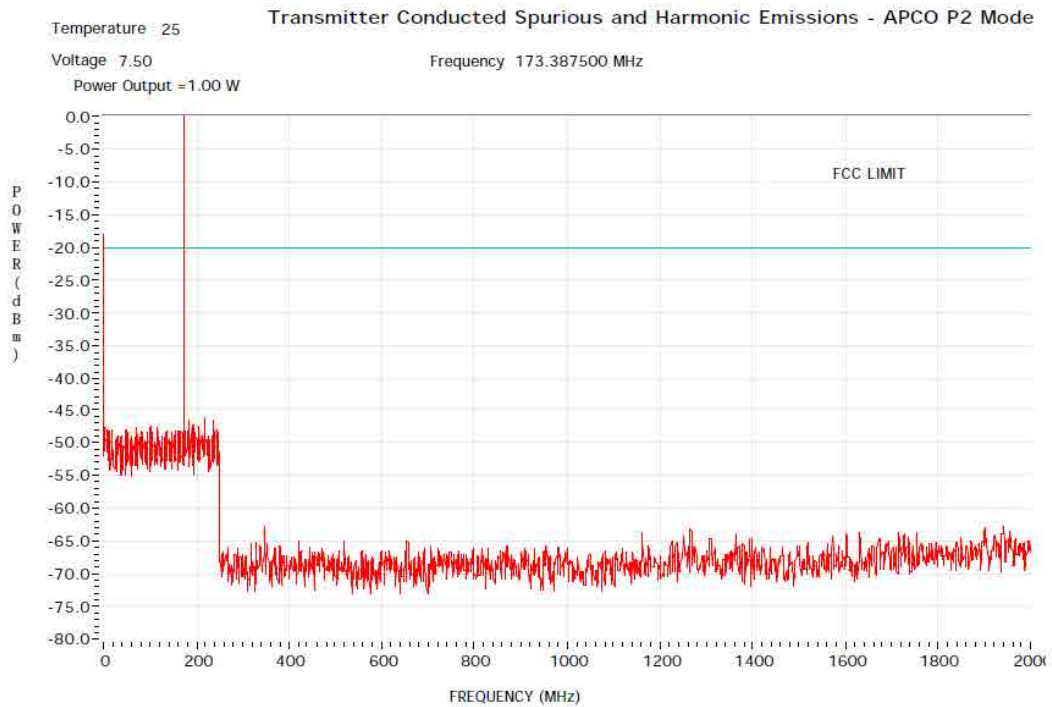


Exhibit 6H- 31

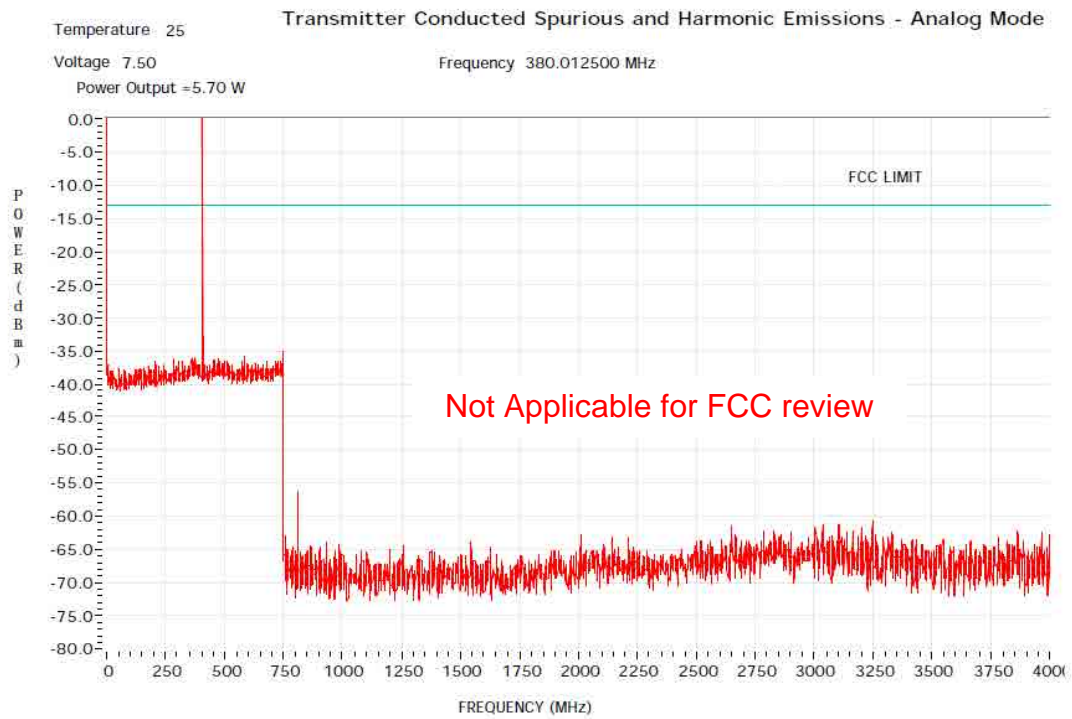


Exhibit 6H- 32

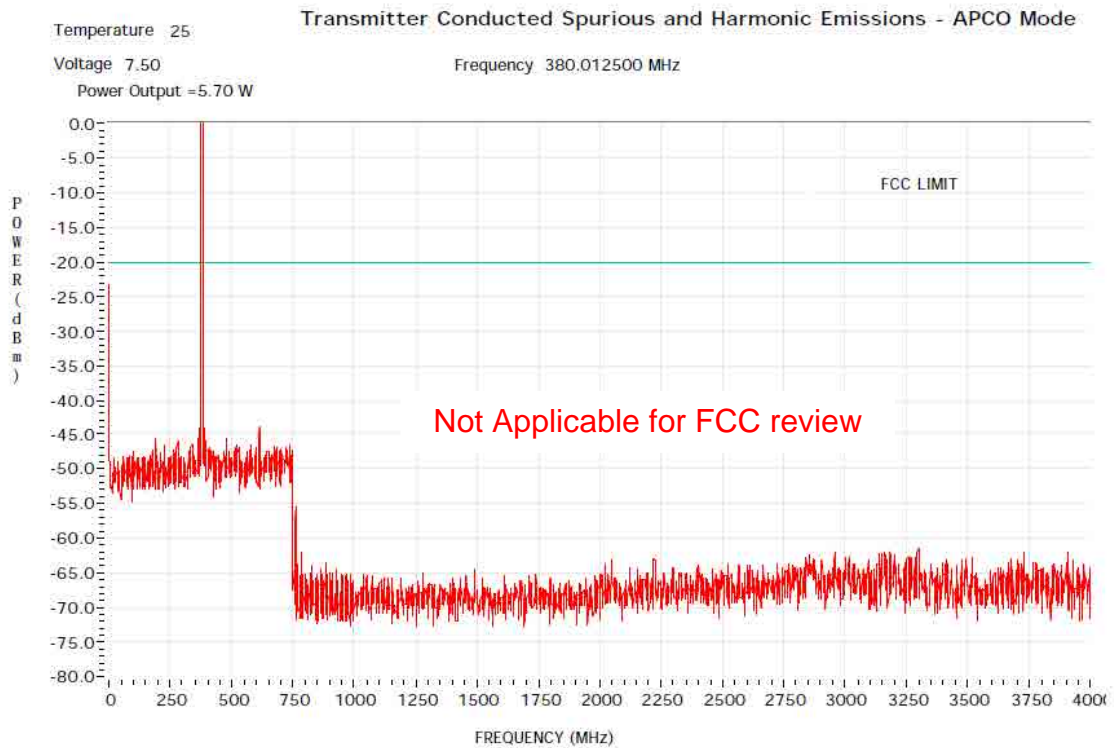


Exhibit 6H- 33

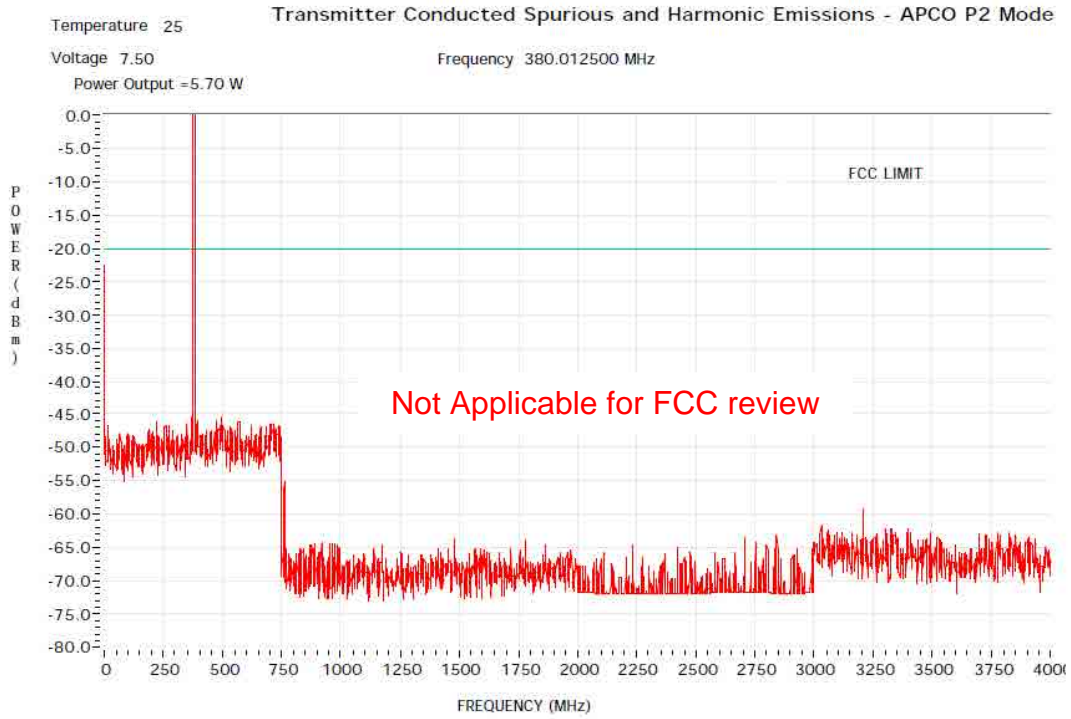


Exhibit 6H- 34

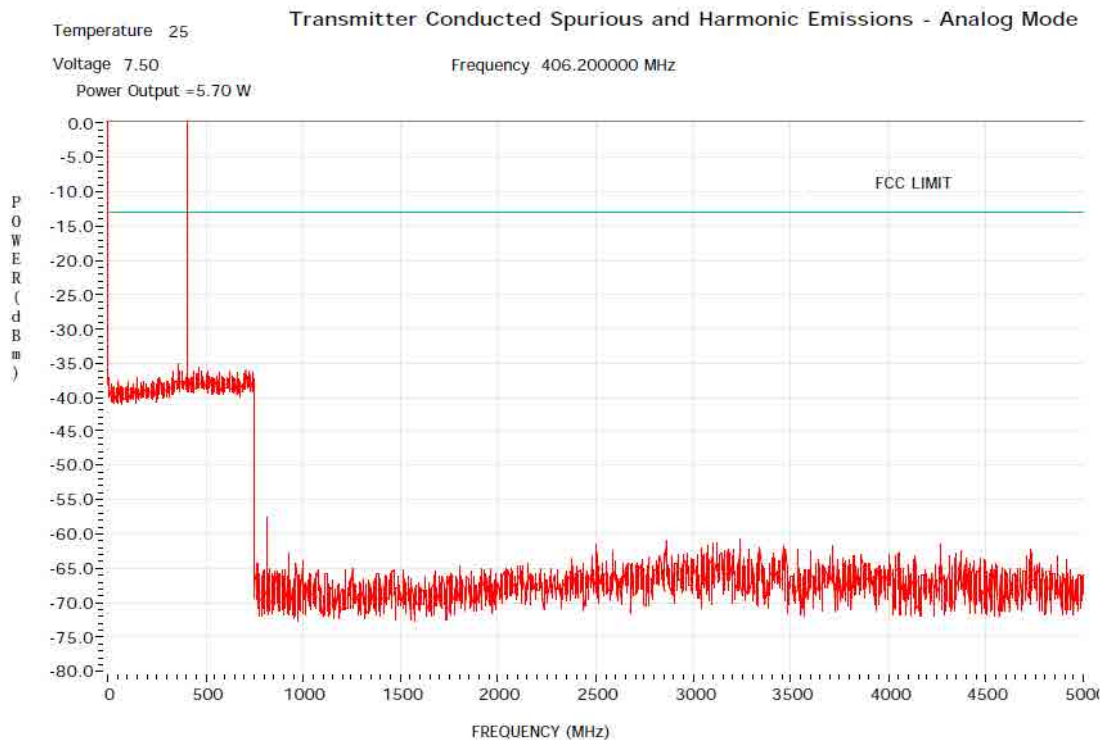


Exhibit 6H- 35

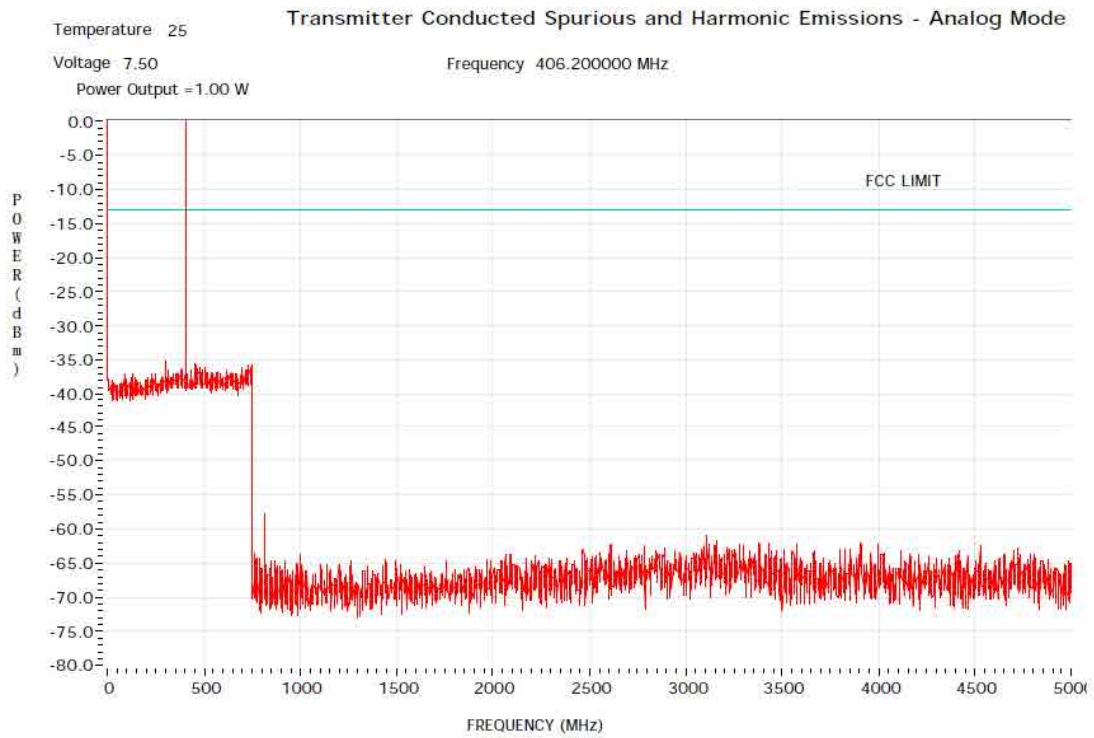


Exhibit 6H- 36

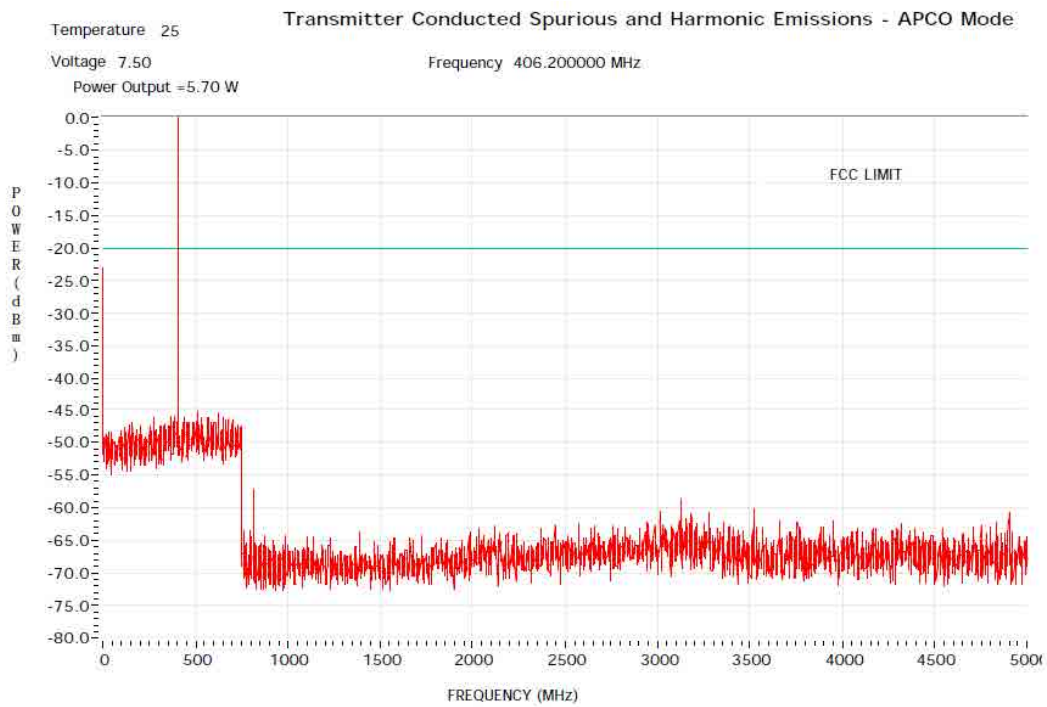


Exhibit 6H- 37

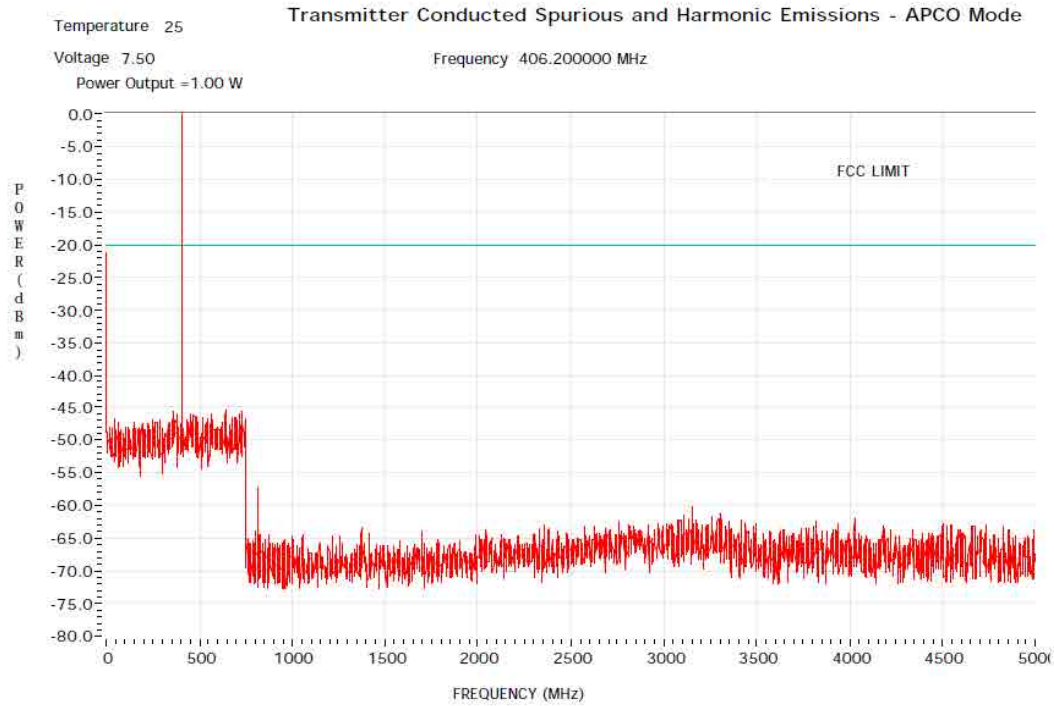


Exhibit 6H- 38

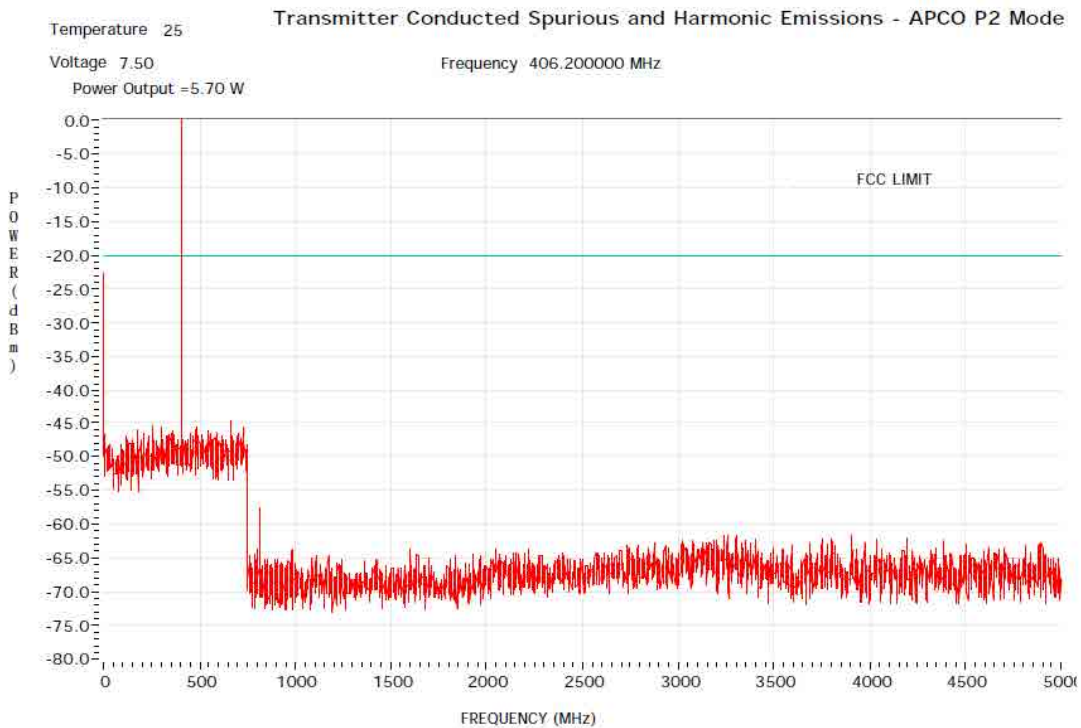


Exhibit 6H- 39

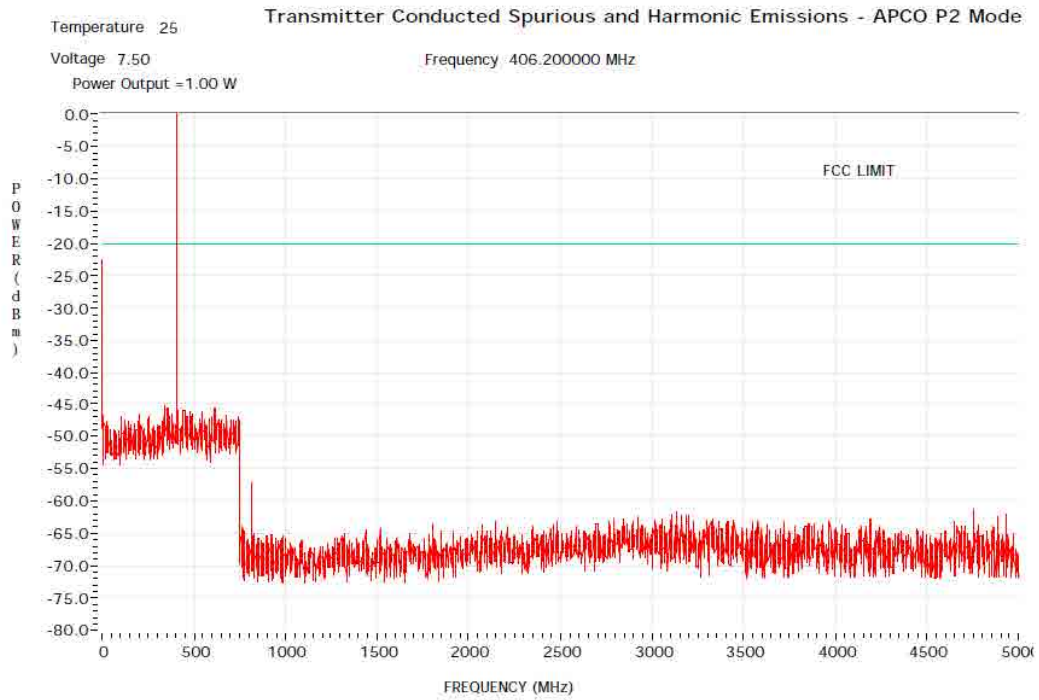


Exhibit 6H- 40

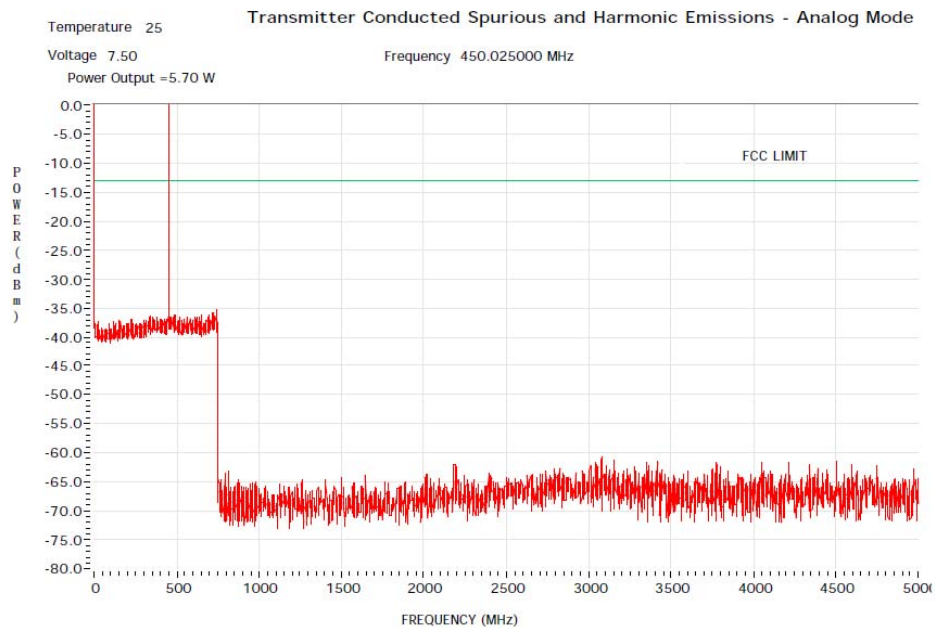


Exhibit 6H- 41

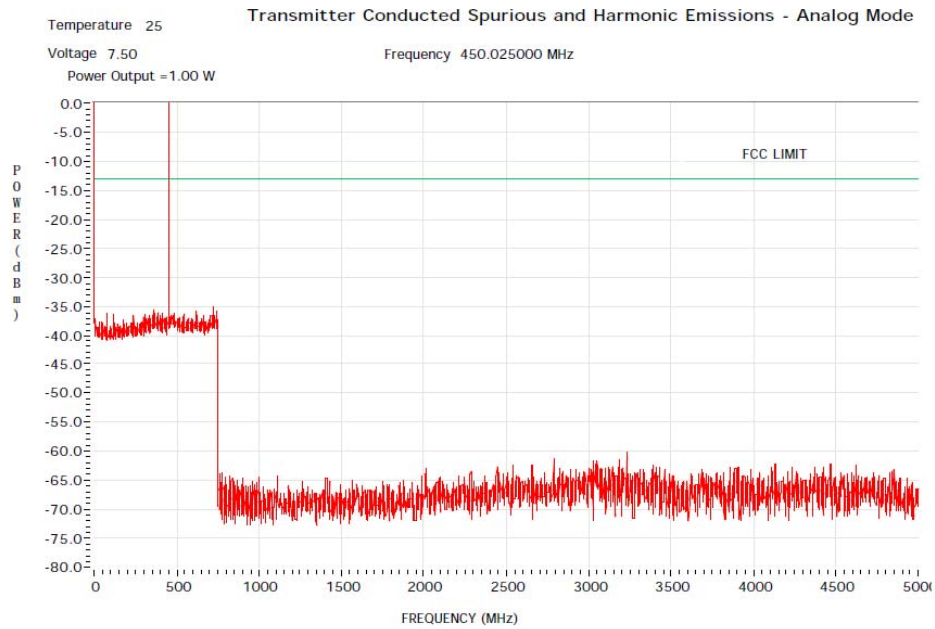


Exhibit 6H- 42

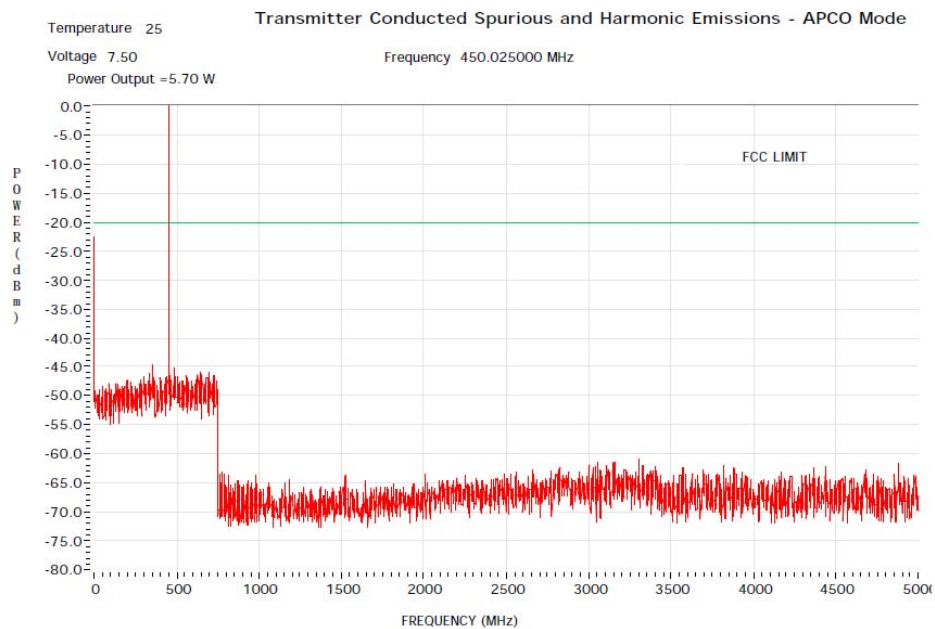


Exhibit 6H- 43

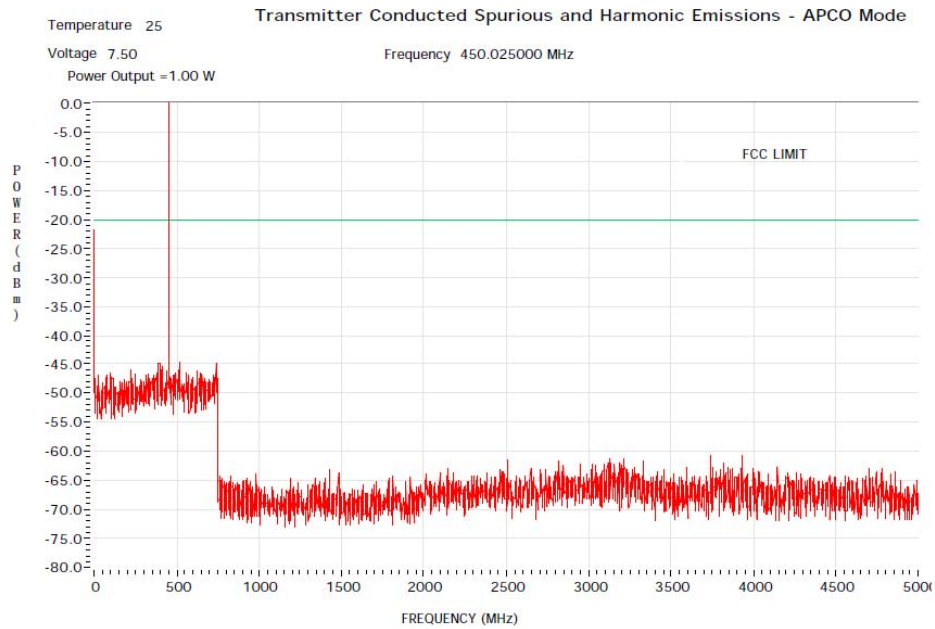


Exhibit 6H- 44

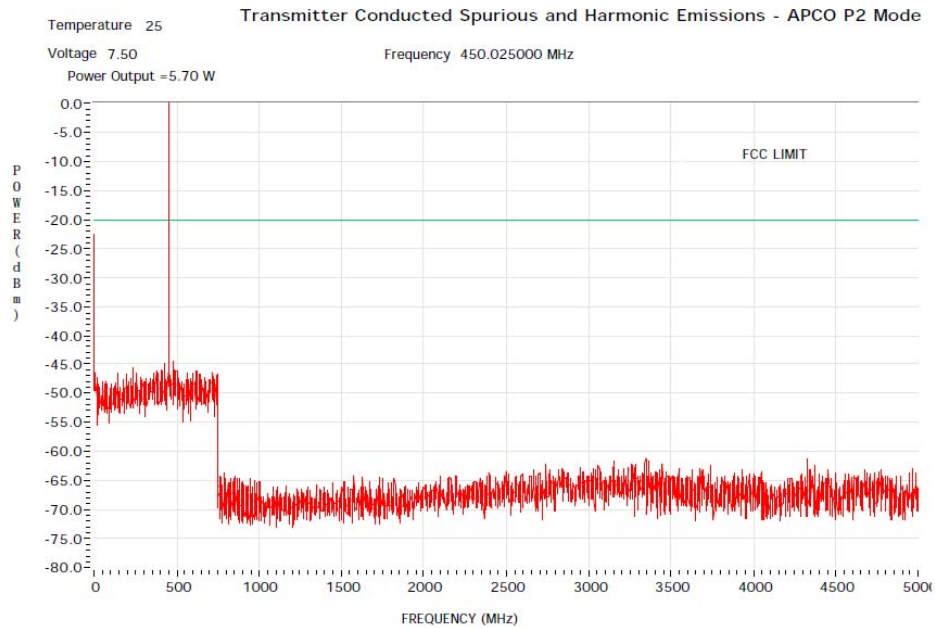


Exhibit 6H- 45

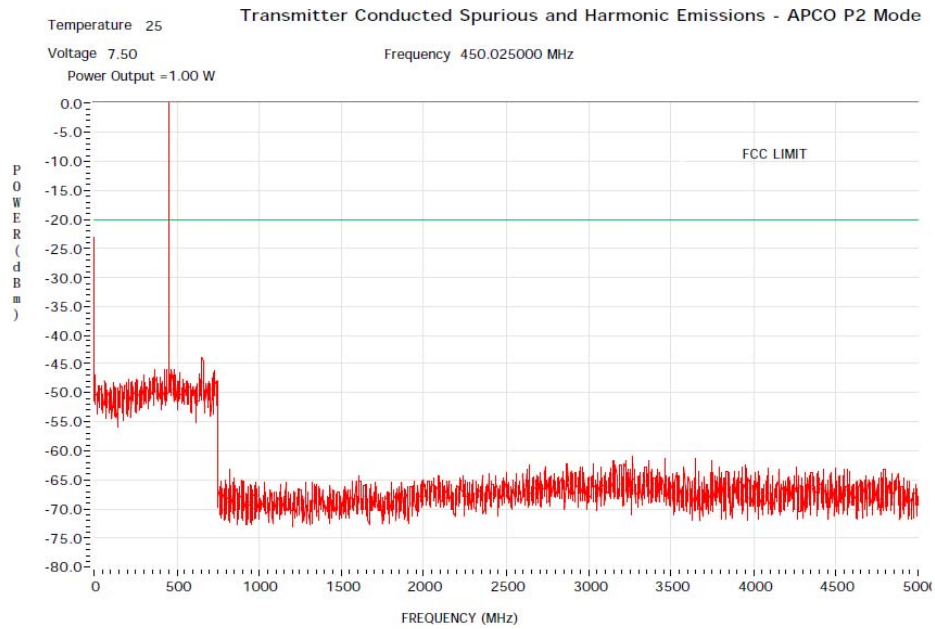


Exhibit 6H- 46

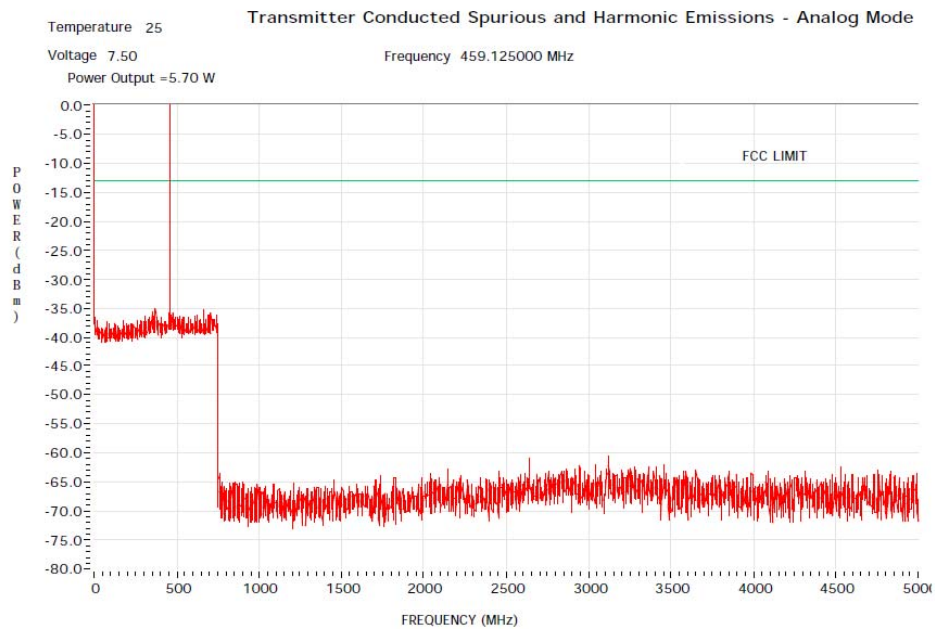


Exhibit 6H- 47

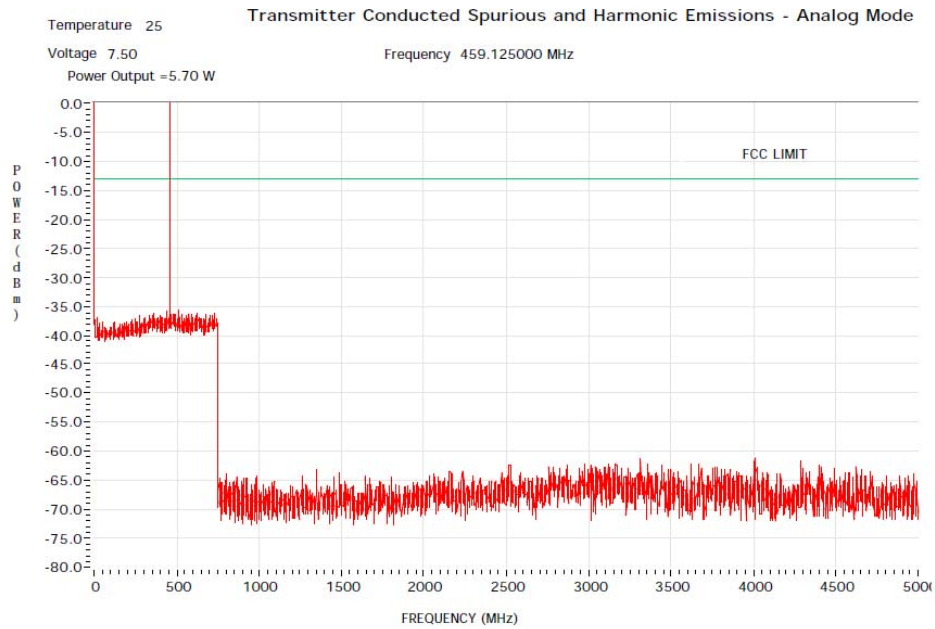


Exhibit 6H- 48

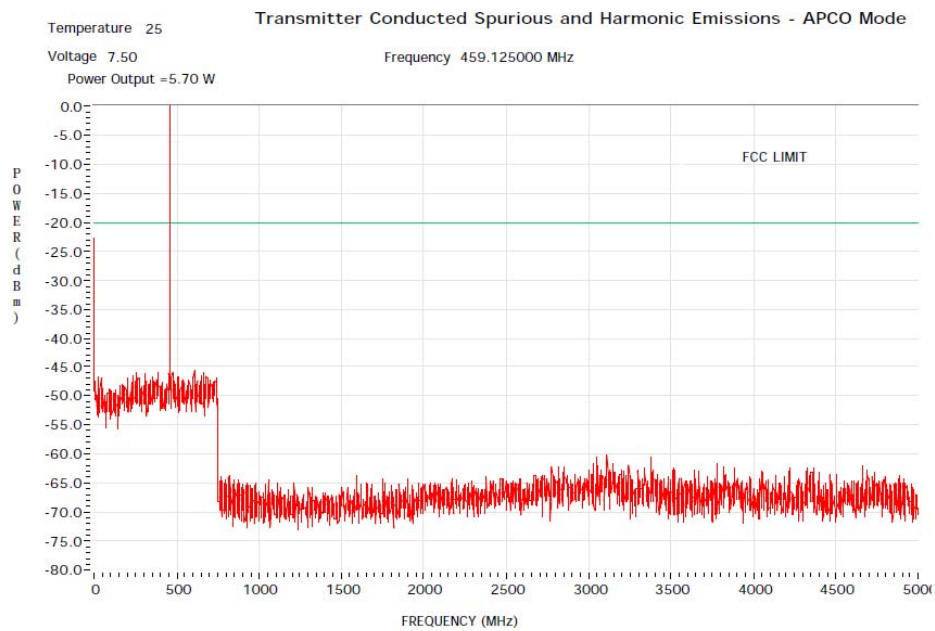


Exhibit 6H- 49

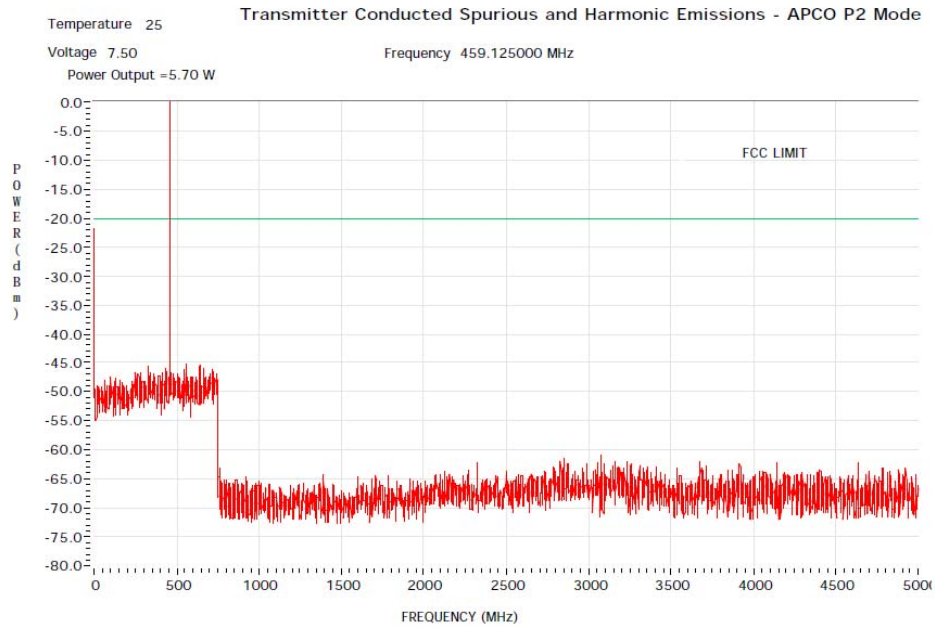


Exhibit 6H- 50

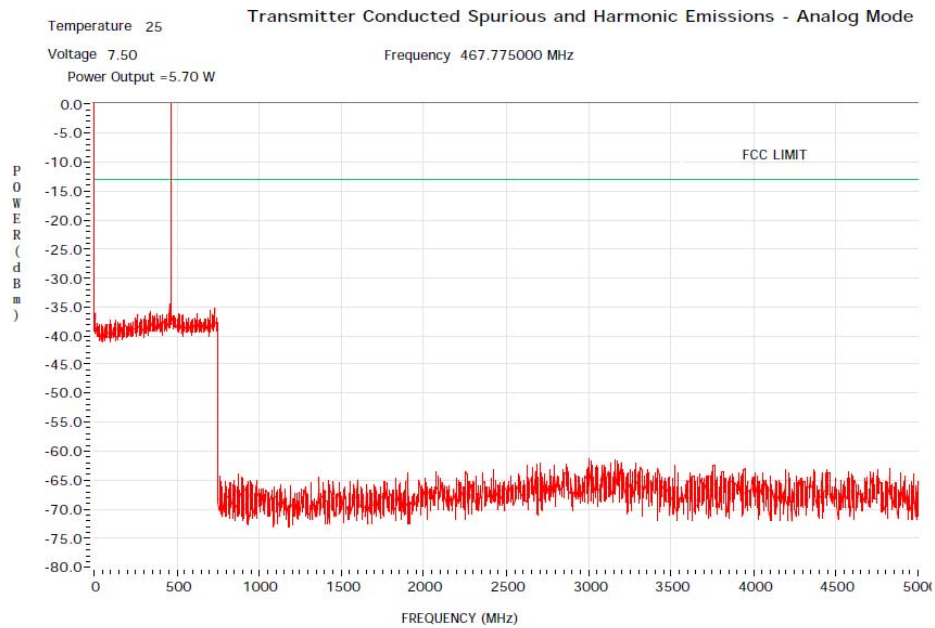


Exhibit 6H- 51