Appendix FCC data for High Power(1~45W).

1.RF Output Power

Modulation Type	Channel Separation	Frequency (MHz)	Power Level	RF Output Power(dBm)	RF Output Power(W)	Remark
Analog FM	12.5KHz/ 25KHz	400.025	Max	46.51	44.77	For Federal
			Low	29.96	0.99	
		450.025	Max	46.52	44.87	For Part74
			Low	30.00	1.00	
		459.125	Max	46.50	44.67	For Part22
			Low	29.98	1.00	
		469.975	Max	46.48	44.46	For Part90 & Part80
			Low	29.89	0.97	
Digital 4FSK	12.5KHz	400.025	Max	46.46	44.26	For Federal
			Low	29.67	0.93	
		450.025	Max	46.51	44.77	For Part74
			Low	29.40	0.87	
		459.125	Max	46.49	44.57	For Part22
			Low	29.95	0.99	
		469.975	Max	46.48	44.46	For Part90 & Part80
			Low	29.79	0.95	

Note: The max rated power is 45W(46.53dBm), the low rated power is 1W(30dBm).

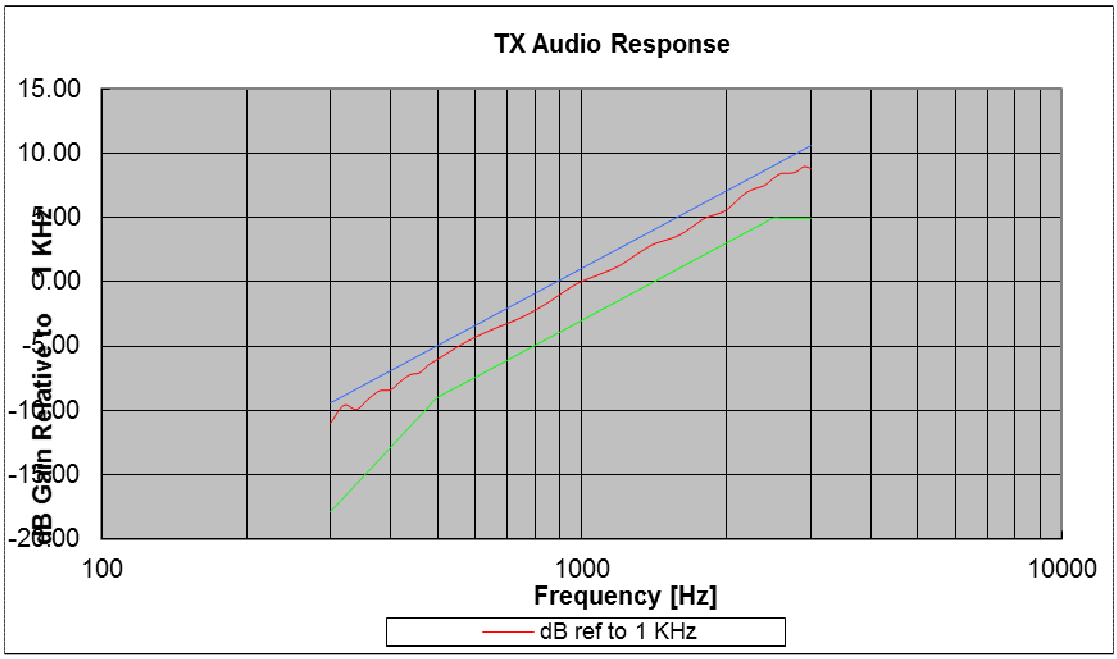
2.Frequency Stability

12.5KHz/25KHz, Analog modulation, Assigned Frequency:400.025MHz					
Voltage(V)	Temperature (℃)	Measured Frequency(MHz)	Frequency Deviation(ppm)	FCC Limit (ppm)	Result
13.6	-30	400.025084	0.21	±2.5	Pass
	-20	400.025088	0.22		
	-10	400.025097	0.24		
	0	400.025095	0.24		
	10	400.025064	0.16		
	20	400.02511	0.27		
	30	400.025114	0.28		
	40	400.025124	0.31		
	50	400.025096	0.24		
11.6	25	400.025118	0.29		
15.6	25	400.025124	0.31		

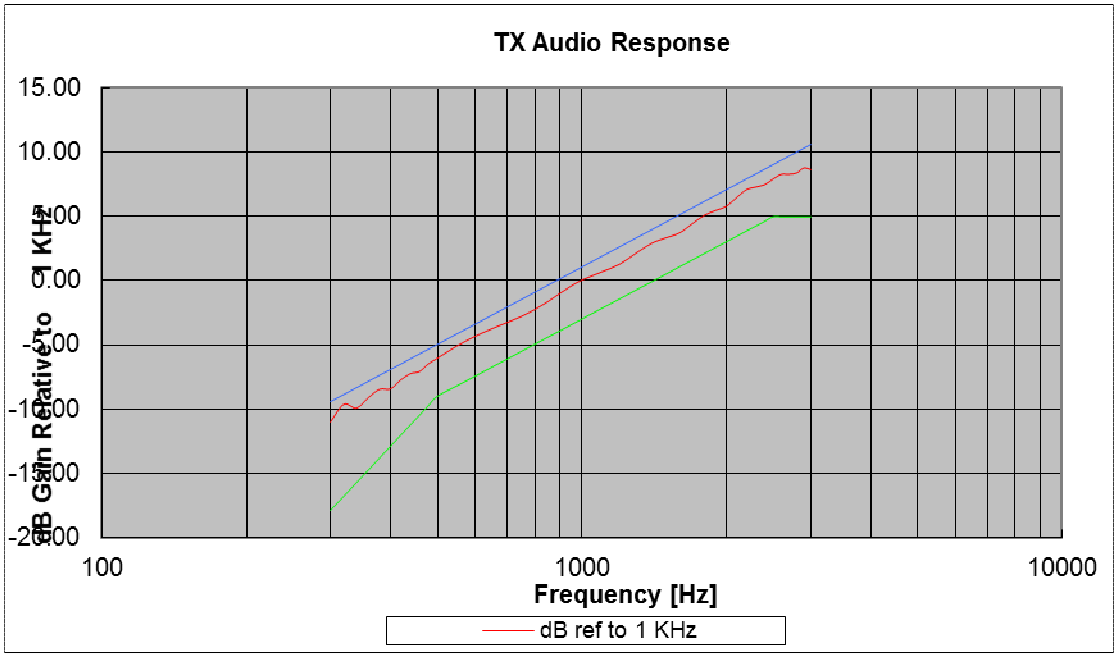
12.5KHz, Digital modulation, Assigned Frequency:400.025MHz					
Voltage(V)	Temperature (℃)	Measured Frequency(MHz)	Frequency Deviation(ppm)	FCC Limit (ppm)	Result
13.6	-30	400.025079	0.20	±2.5	Pass
	-20	400.025058	0.14		
	-10	400.025067	0.17		
	0	400.025102	0.25		
	10	400.025101	0.25		
	20	400.025114	0.28		
	30	400.025102	0.25		
	40	400.025109	0.27		
	50	400.025091	0.23		
11.6	25	400.025124	0.31		
15.6	25	400.025131	0.33		

3.Audio Frequency Response

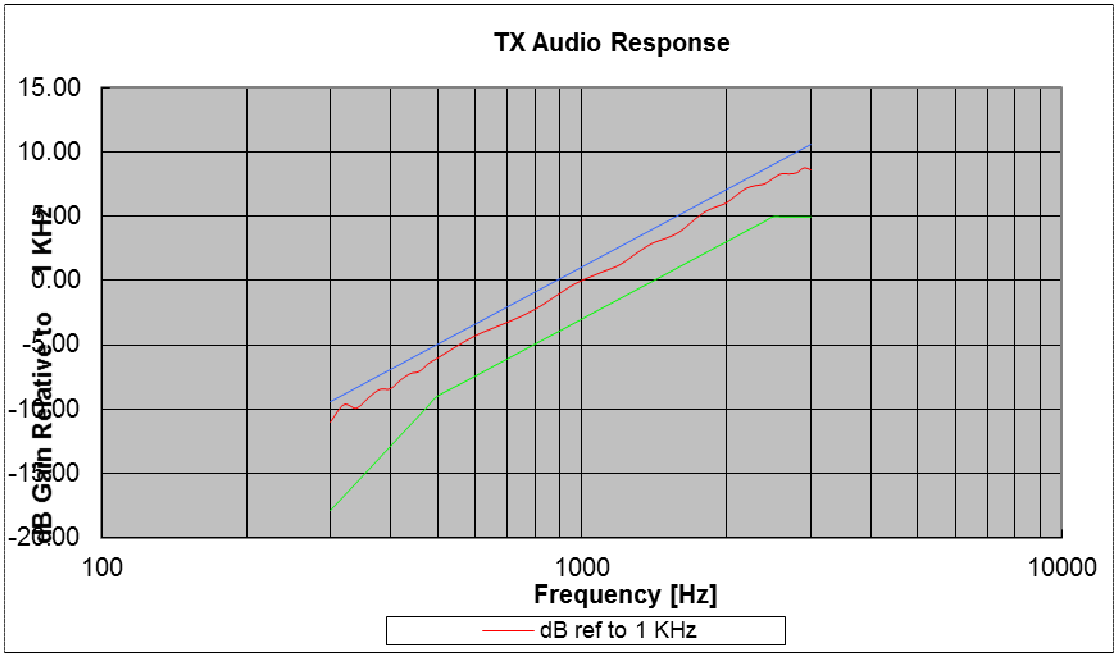
12.5KHz, Analog modulation, Assigned Frequency:400.025MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-11.00
400	-8.4
500	-6.05
600	-4.31
700	-3.25
800	-2.24
900	-1.02
1000	0.01
1200	1.24
1400	2.84
1600	3.61
1800	4.89
2000	5.54
2100	6.25
2200	6.9
2300	7.22
2400	7.46
2500	7.98
2600	8.38
2700	8.39
2800	8.52
2900	8.91
3000	8.76



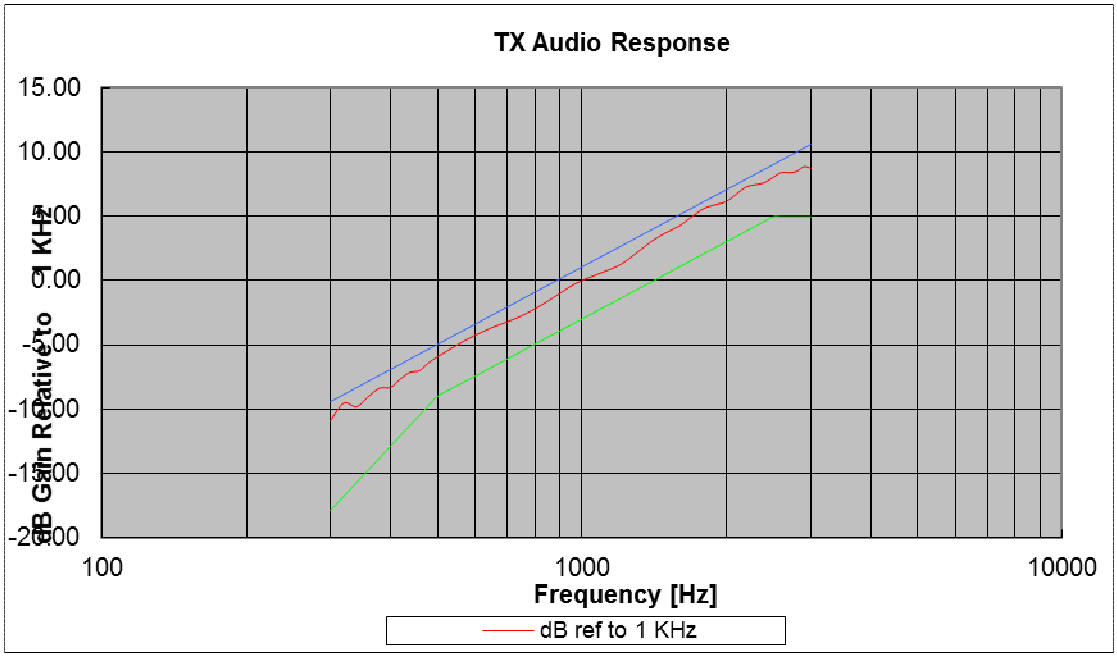
12.5KHz, Analog modulation, Assigned Frequency:450.025MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-11.04
400	-8.46
500	-6.09
600	-4.37
700	-3.29
800	-2.28
900	-1.04
1000	-0.01
1200	1.24
1400	2.87
1600	3.68
1800	5.04
2000	5.74
2100	6.4
2200	7.02
2300	7.23
2400	7.41
2500	7.84
2600	8.21
2700	8.23
2800	8.32
2900	8.71
3000	8.58



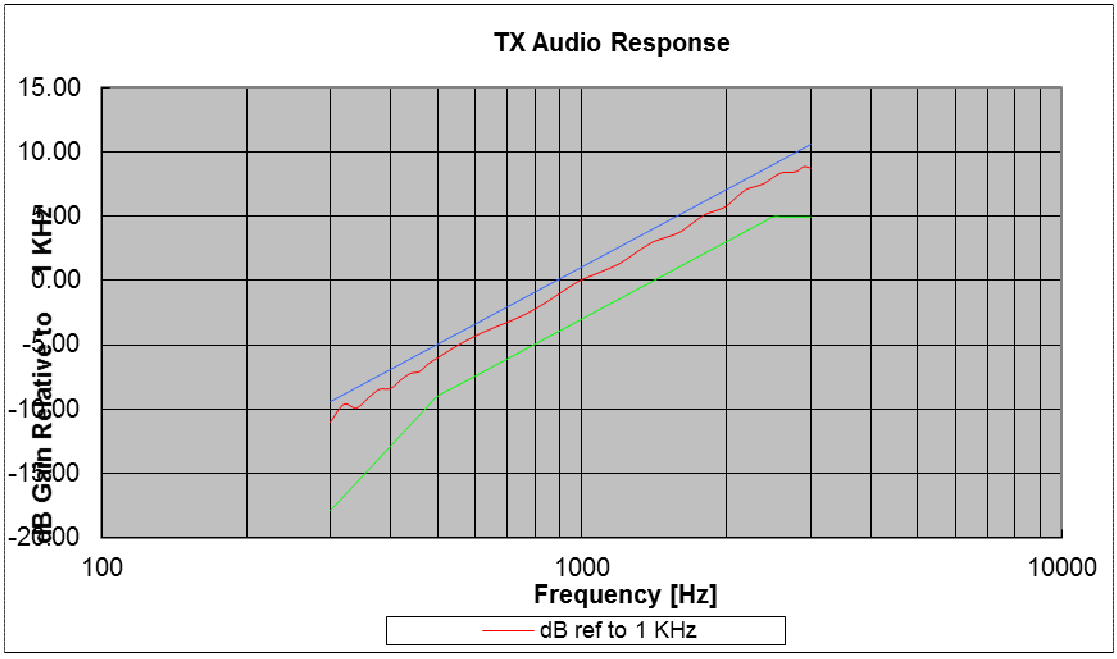
12.5KHz, Analog modulation, Assigned Frequency:459.125MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-11
400	-8.41
500	-6.05
600	-4.3
700	-3.26
800	-2.25
900	-1.02
1000	-0.02
1200	1.2
1400	2.86
1600	3.77
1800	5.29
2000	6.01
2100	6.61
2200	7.14
2300	7.35
2400	7.48
2500	7.9
2600	8.26
2700	8.26
2800	8.34
2900	8.72
3000	8.57



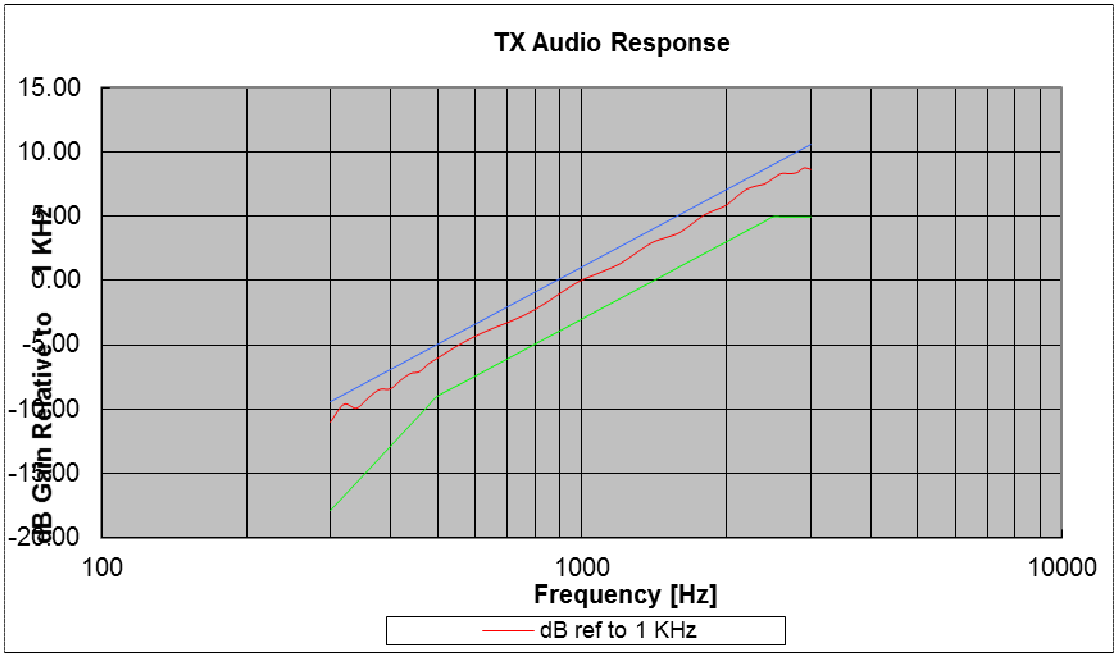
12.5KHz, Analog modulation, Assigned Frequency:469.975MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-10.92
400	-8.32
500	-5.95
600	-4.25
700	-3.2
800	-2.19
900	-1
1000	0
1200	1.22
1400	3.09
1600	4.28
1800	5.64
2000	6.17
2100	6.76
2200	7.3
2300	7.48
2400	7.63
2500	8.04
2600	8.41
2700	8.41
2800	8.5
2900	8.88
3000	8.74



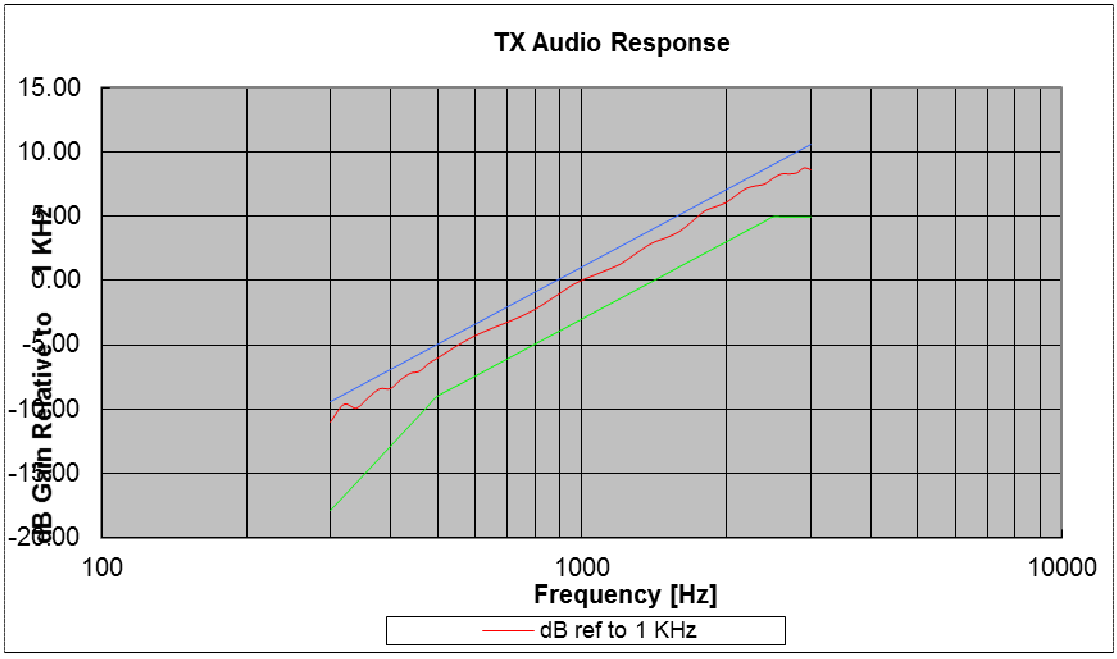
25KHz, Analog modulation, Assigned Frequency:400.025MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-11.06
400	-8.46
500	-6.09
600	-4.37
700	-3.3
800	-2.27
900	-1.05
1000	0.01
1200	1.27
1400	2.91
1600	3.71
1800	5.05
2000	5.73
2100	6.44
2200	7.03
2300	7.26
2400	7.51
2500	7.95
2600	8.32
2700	8.36
2800	8.42
2900	8.8
3000	8.68



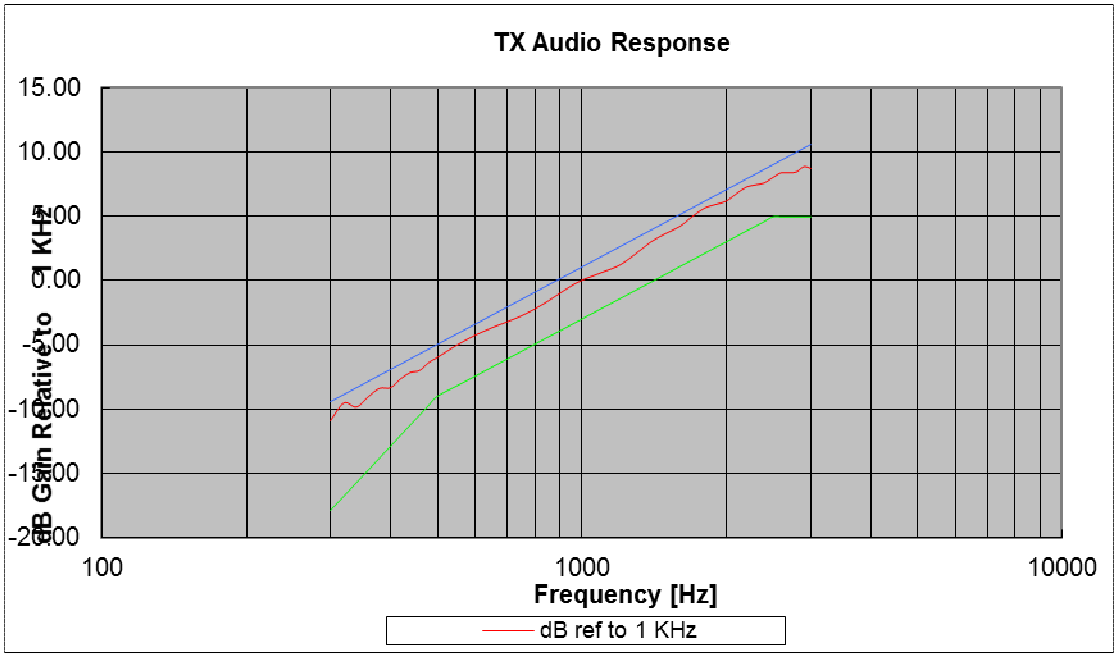
25KHz, Analog modulation, Assigned Frequency:450.025MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-11.05
400	-8.46
500	-6.09
600	-4.37
700	-3.31
800	-2.29
900	-1.04
1000	0
1200	1.26
1400	2.92
1600	3.71
1800	5.08
2000	5.84
2100	6.49
2200	7.06
2300	7.32
2400	7.48
2500	7.9
2600	8.29
2700	8.29
2800	8.36
2900	8.73
3000	8.61



25KHz, Analog modulation, Assigned Frequency:459.125MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-11.02
400	-8.41
500	-6.06
600	-4.3
700	-3.26
800	-2.26
900	-1.02
1000	0
1200	1.23
1400	2.89
1600	3.81
1800	5.37
2000	6.06
2100	6.63
2200	7.14
2300	7.34
2400	7.48
2500	7.92
2600	8.26
2700	8.27
2800	8.34
2900	8.73
3000	8.59



25KHz, Analog modulation, Assigned Frequency:469.975MHz	
Audio Frequency(Hz)	Response Attenuation(dB)
300	-10.95
400	-8.37
500	-6.02
600	-4.28
700	-3.23
800	-2.23
900	-1.02
1000	-0.01
1200	1.18
1400	3.04
1600	4.19
1800	5.61
2000	6.17
2100	6.75
2200	7.25
2300	7.43
2400	7.58
2500	8
2600	8.36
2700	8.36
2800	8.44
2900	8.84
3000	8.7



4.Audio Low Pass Filter Response

12.5KHz/25KHz, Analog modulation, Assigned Frequency: 400.025MHz		
Audio Frequency(KHz)	ResponseAttenuation(dB)	Limit (dB)
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
12	N/A	N/A
14	N/A	N/A
16	N/A	N/A
18	N/A	N/A
20	N/A	N/A

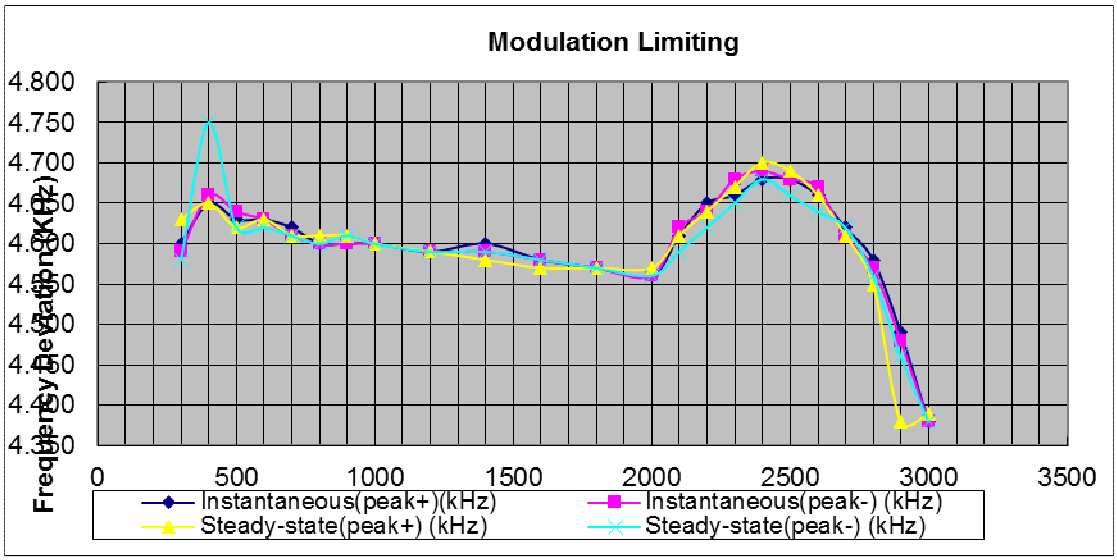
12.5KHz/25KHz, Analog modulation, Assigned Frequency: 450.025MHz		
Audio Frequency(KHz)	ResponseAttenuation(dB)	Limit (dB)
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
12	N/A	N/A
14	N/A	N/A
16	N/A	N/A
18	N/A	N/A
20	N/A	N/A

12.5KHz/25KHz, Analog modulation, Assigned Frequency:459.125MHz		
Audio Frequency(KHz)	ResponseAttenuation(dB)	Limit (dB)
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
12	N/A	N/A
14	N/A	N/A
16	N/A	N/A
18	N/A	N/A
20	N/A	N/A

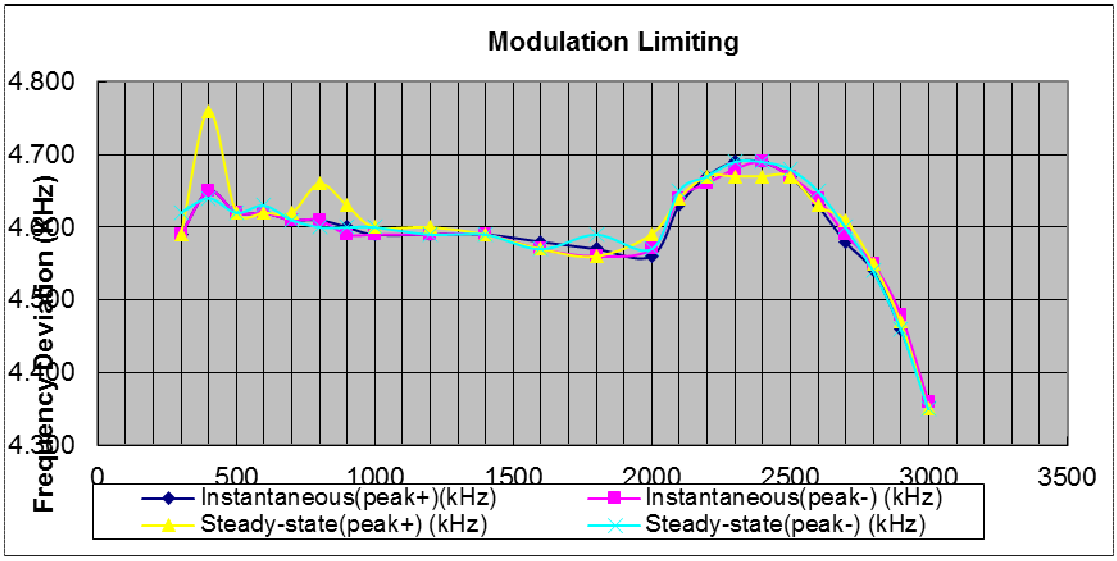
12.5KHz/25KHz, Analog modulation, Assigned Frequency: 469.975MHz		
Audio Frequency(KHz)	ResponseAttenuation(dB)	Limit (dB)
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
12	N/A	N/A
14	N/A	N/A
16	N/A	N/A
18	N/A	N/A
20	N/A	N/A

5.Modulation Limiting

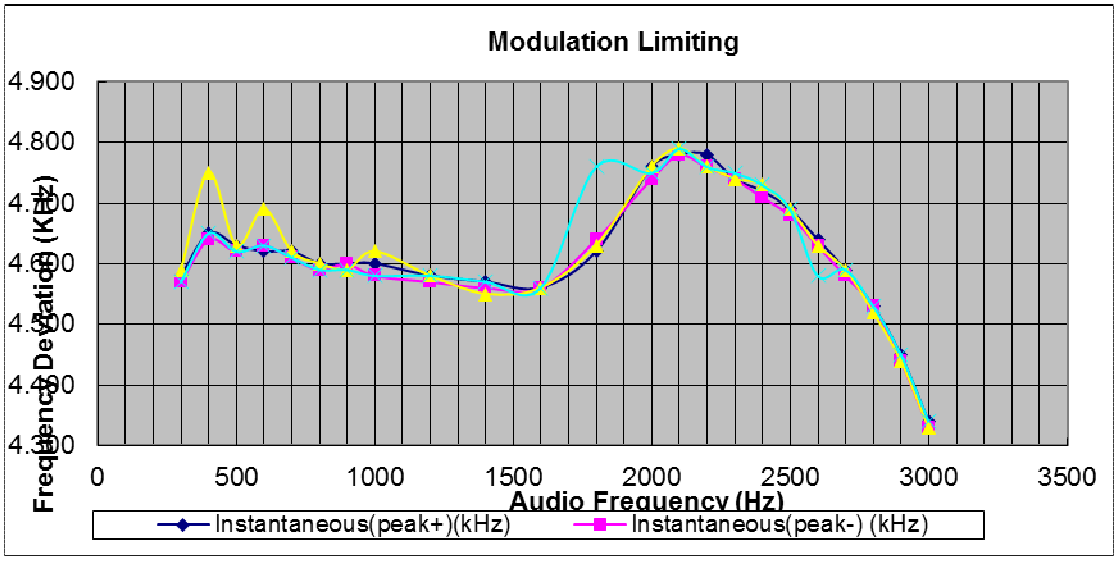
25KHz, Analog modulation, Assigned Frequency:400.025MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	4.600	4.590	4.630	4.580	5.0
400	4.650	4.660	4.650	4.750	5.0
500	4.630	4.640	4.620	4.620	5.0
600	4.630	4.630	4.630	4.620	5.0
700	4.620	4.610	4.610	4.610	5.0
800	4.600	4.600	4.610	4.600	5.0
900	4.600	4.600	4.610	4.610	5.0
1000	4.600	4.600	4.600	4.600	5.0
1200	4.590	4.590	4.590	4.590	5.0
1400	4.600	4.590	4.580	4.590	5.0
1600	4.580	4.580	4.570	4.580	5.0
1800	4.570	4.570	4.570	4.570	5.0
2000	4.560	4.560	4.570	4.560	5.0
2100	4.610	4.620	4.610	4.590	5.0
2200	4.650	4.640	4.640	4.620	5.0
2300	4.660	4.680	4.670	4.650	5.0
2400	4.680	4.690	4.700	4.680	5.0
2500	4.680	4.680	4.690	4.660	5.0
2600	4.660	4.670	4.660	4.640	5.0
2700	4.620	4.610	4.610	4.620	5.0
2800	4.580	4.570	4.550	4.560	5.0
2900	4.490	4.480	4.380	4.460	5.0
3000	4.380	4.380	4.390	4.380	5.0



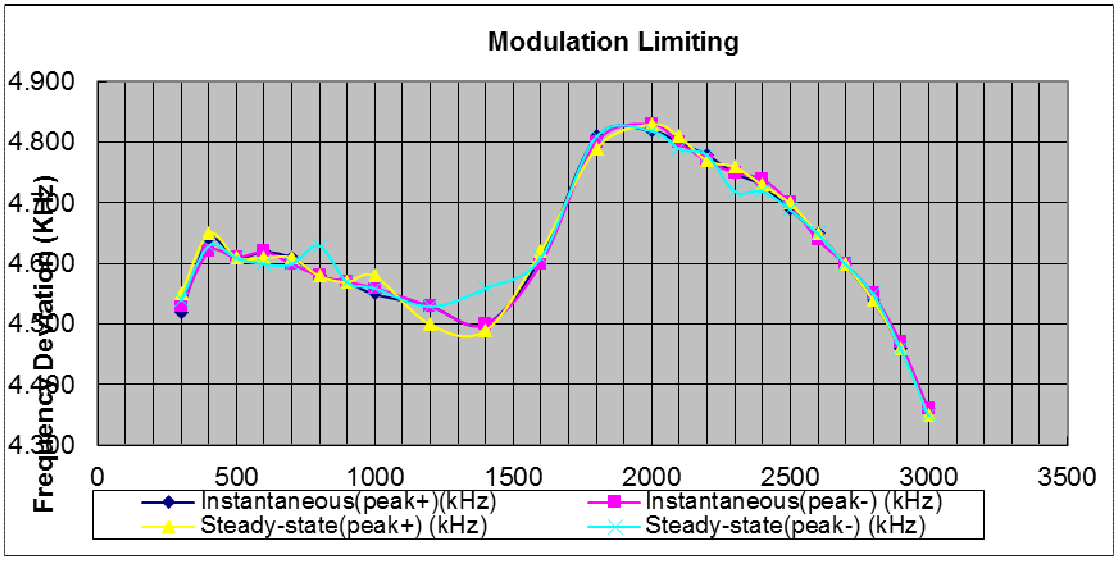
25KHz, Analog modulation, Assigned Frequency:450.025MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	4.590	4.590	4.590	4.620	5.0
400	4.650	4.650	4.760	4.640	5.0
500	4.620	4.620	4.620	4.620	5.0
600	4.620	4.620	4.620	4.630	5.0
700	4.610	4.610	4.620	4.610	5.0
800	4.610	4.610	4.660	4.600	5.0
900	4.600	4.590	4.630	4.600	5.0
1000	4.590	4.590	4.600	4.600	5.0
1200	4.590	4.590	4.600	4.590	5.0
1400	4.590	4.590	4.590	4.590	5.0
1600	4.580	4.570	4.570	4.570	5.0
1800	4.570	4.560	4.560	4.590	5.0
2000	4.560	4.570	4.590	4.570	5.0
2100	4.630	4.640	4.640	4.650	5.0
2200	4.670	4.660	4.670	4.670	5.0
2300	4.690	4.680	4.670	4.690	5.0
2400	4.690	4.690	4.670	4.690	5.0
2500	4.670	4.670	4.670	4.680	5.0
2600	4.630	4.640	4.630	4.650	5.0
2700	4.580	4.590	4.610	4.600	5.0
2800	4.540	4.550	4.550	4.540	5.0
2900	4.460	4.480	4.470	4.460	5.0
3000	4.360	4.360	4.350	4.350	5.0



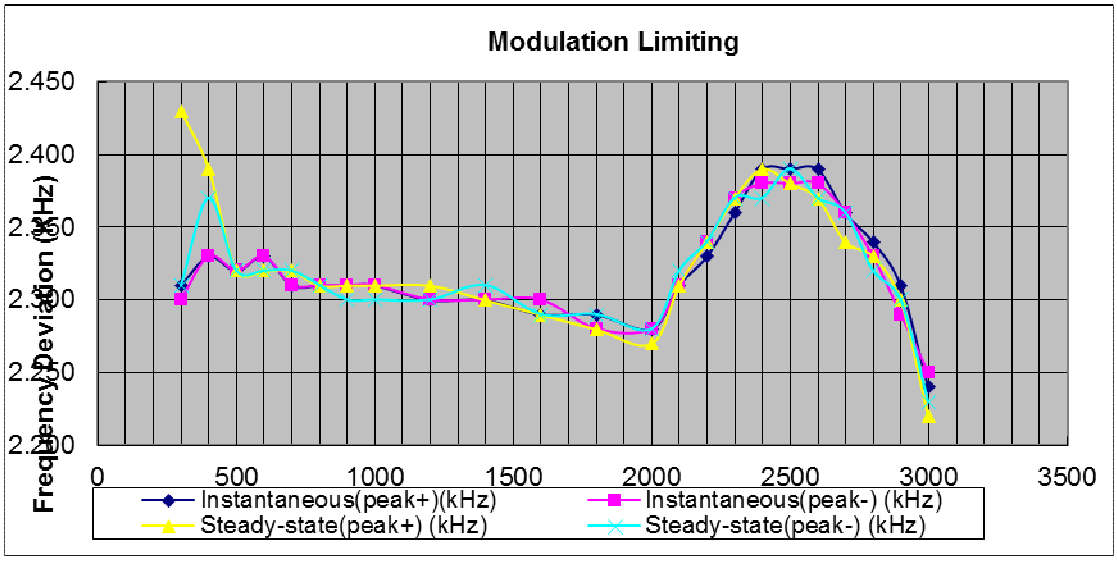
25KHz, Analog modulation, Assigned Frequency:459.125MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	4.580	4.570	4.590	4.570	5.0
400	4.650	4.640	4.750	4.650	5.0
500	4.630	4.620	4.630	4.620	5.0
600	4.620	4.630	4.690	4.630	5.0
700	4.620	4.610	4.620	4.610	5.0
800	4.600	4.590	4.600	4.590	5.0
900	4.600	4.600	4.590	4.590	5.0
1000	4.600	4.580	4.620	4.580	5.0
1200	4.580	4.570	4.580	4.580	5.0
1400	4.570	4.560	4.550	4.570	5.0
1600	4.560	4.560	4.560	4.560	5.0
1800	4.620	4.640	4.630	4.760	5.0
2000	4.760	4.740	4.760	4.750	5.0
2100	4.780	4.780	4.790	4.790	5.0
2200	4.780	4.760	4.760	4.760	5.0
2300	4.740	4.740	4.740	4.750	5.0
2400	4.720	4.710	4.730	4.730	5.0
2500	4.690	4.680	4.690	4.690	5.0
2600	4.640	4.630	4.630	4.580	5.0
2700	4.590	4.580	4.590	4.590	5.0
2800	4.530	4.530	4.520	4.530	5.0
2900	4.450	4.440	4.440	4.450	5.0
3000	4.340	4.330	4.330	4.340	5.0



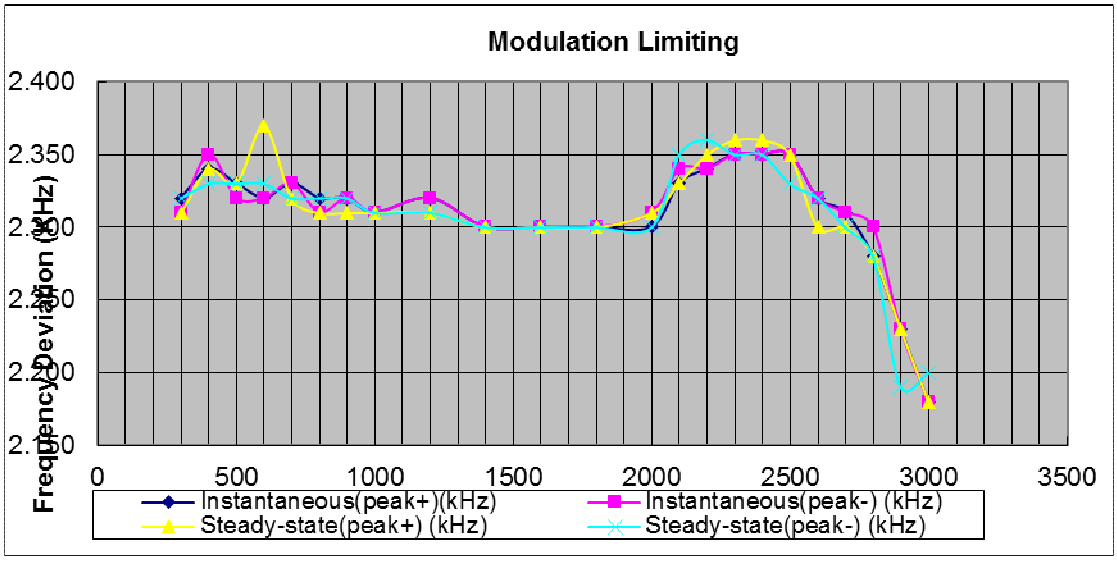
25KHz, Analog modulation, Assigned Frequency:469.975MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	4.520	4.530	4.550	4.540	5.0
400	4.640	4.620	4.650	4.630	5.0
500	4.610	4.610	4.610	4.610	5.0
600	4.620	4.620	4.610	4.600	5.0
700	4.610	4.600	4.610	4.600	5.0
800	4.580	4.580	4.580	4.630	5.0
900	4.570	4.570	4.570	4.570	5.0
1000	4.550	4.560	4.580	4.560	5.0
1200	4.530	4.530	4.500	4.530	5.0
1400	4.500	4.500	4.490	4.560	5.0
1600	4.610	4.600	4.620	4.610	5.0
1800	4.810	4.800	4.790	4.810	5.0
2000	4.820	4.830	4.830	4.820	5.0
2100	4.800	4.800	4.810	4.790	5.0
2200	4.780	4.770	4.770	4.780	5.0
2300	4.750	4.750	4.760	4.720	5.0
2400	4.730	4.740	4.730	4.720	5.0
2500	4.690	4.700	4.700	4.690	5.0
2600	4.650	4.640	4.650	4.650	5.0
2700	4.600	4.600	4.600	4.600	5.0
2800	4.540	4.550	4.540	4.550	5.0
2900	4.460	4.470	4.460	4.460	5.0
3000	4.360	4.360	4.350	4.350	5.0



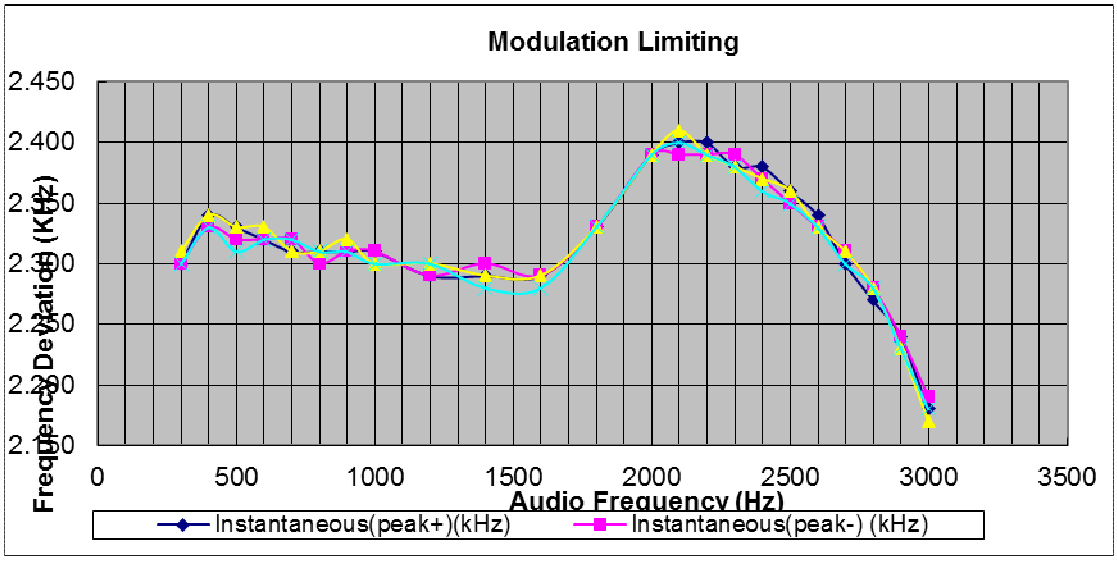
12.5KHz, Analog modulation, Assigned Frequency:400.025MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	2.310	2.300	2.430	2.310	2.5
400	2.330	2.330	2.390	2.370	2.5
500	2.320	2.320	2.320	2.320	2.5
600	2.330	2.330	2.320	2.320	2.5
700	2.310	2.310	2.320	2.320	2.5
800	2.310	2.310	2.310	2.310	2.5
900	2.310	2.310	2.310	2.300	2.5
1000	2.310	2.310	2.310	2.300	2.5
1200	2.300	2.300	2.310	2.300	2.5
1400	2.300	2.300	2.300	2.310	2.5
1600	2.290	2.300	2.290	2.290	2.5
1800	2.290	2.280	2.280	2.290	2.5
2000	2.280	2.280	2.270	2.280	2.5
2100	2.310	2.310	2.310	2.320	2.5
2200	2.330	2.340	2.340	2.340	2.5
2300	2.360	2.370	2.370	2.370	2.5
2400	2.390	2.380	2.390	2.370	2.5
2500	2.390	2.380	2.380	2.390	2.5
2600	2.390	2.380	2.370	2.370	2.5
2700	2.360	2.360	2.340	2.360	2.5
2800	2.340	2.330	2.330	2.320	2.5
2900	2.310	2.290	2.300	2.300	2.5
3000	2.240	2.250	2.220	2.230	2.5



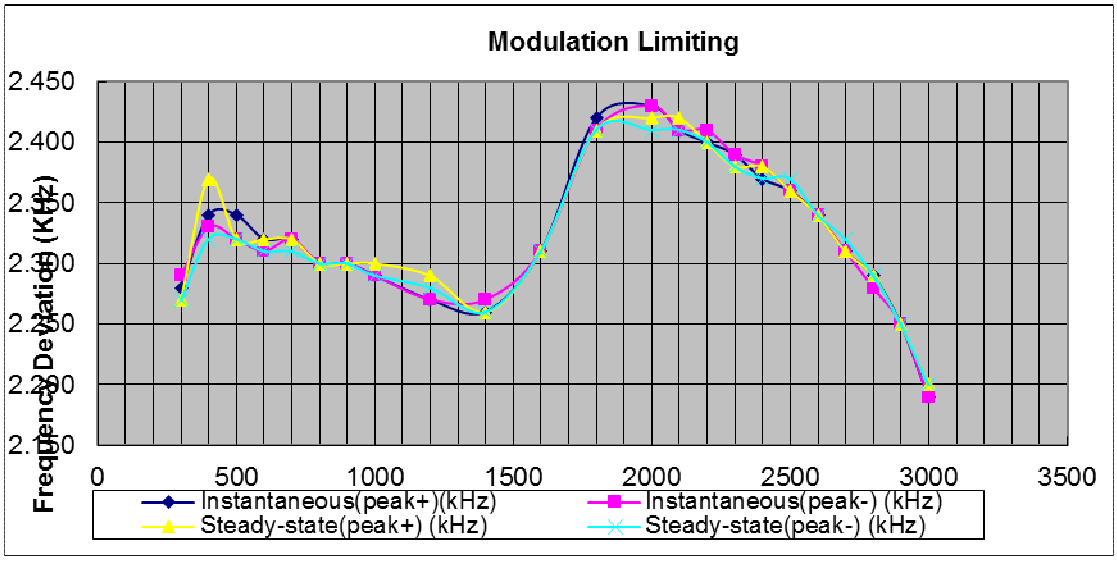
12.5KHz, Analog modulation, Assigned Frequency:450.025MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	2.320	2.310	2.310	2.320	2.5
400	2.340	2.350	2.340	2.330	2.5
500	2.330	2.320	2.330	2.330	2.5
600	2.320	2.320	2.370	2.330	2.5
700	2.330	2.330	2.320	2.320	2.5
800	2.320	2.310	2.310	2.320	2.5
900	2.320	2.320	2.310	2.320	2.5
1000	2.310	2.310	2.310	2.310	2.5
1200	2.320	2.320	2.310	2.310	2.5
1400	2.300	2.300	2.300	2.300	2.5
1600	2.300	2.300	2.300	2.300	2.5
1800	2.300	2.300	2.300	2.300	2.5
2000	2.300	2.310	2.310	2.300	2.5
2100	2.330	2.340	2.330	2.350	2.5
2200	2.340	2.340	2.350	2.360	2.5
2300	2.350	2.350	2.360	2.350	2.5
2400	2.350	2.350	2.360	2.350	2.5
2500	2.350	2.350	2.350	2.330	2.5
2600	2.320	2.320	2.300	2.320	2.5
2700	2.310	2.310	2.300	2.300	2.5
2800	2.280	2.300	2.280	2.280	2.5
2900	2.230	2.230	2.230	2.190	2.5
3000	2.180	2.180	2.180	2.200	2.5



12.5KHz, Analog modulation, Assigned Frequency:459.125MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	2.300	2.300	2.310	2.300	2.5
400	2.340	2.330	2.340	2.330	2.5
500	2.330	2.320	2.330	2.310	2.5
600	2.320	2.320	2.330	2.320	2.5
700	2.310	2.320	2.310	2.320	2.5
800	2.310	2.300	2.310	2.310	2.5
900	2.310	2.310	2.320	2.310	2.5
1000	2.310	2.310	2.300	2.300	2.5
1200	2.290	2.290	2.300	2.300	2.5
1400	2.290	2.300	2.290	2.280	2.5
1600	2.290	2.290	2.290	2.280	2.5
1800	2.330	2.330	2.330	2.330	2.5
2000	2.390	2.390	2.390	2.390	2.5
2100	2.400	2.390	2.410	2.400	2.5
2200	2.400	2.390	2.390	2.390	2.5
2300	2.380	2.390	2.380	2.380	2.5
2400	2.380	2.370	2.370	2.360	2.5
2500	2.360	2.350	2.360	2.350	2.5
2600	2.340	2.330	2.330	2.330	2.5
2700	2.300	2.310	2.310	2.300	2.5
2800	2.270	2.280	2.280	2.280	2.5
2900	2.240	2.240	2.230	2.230	2.5
3000	2.180	2.190	2.170	2.180	2.5



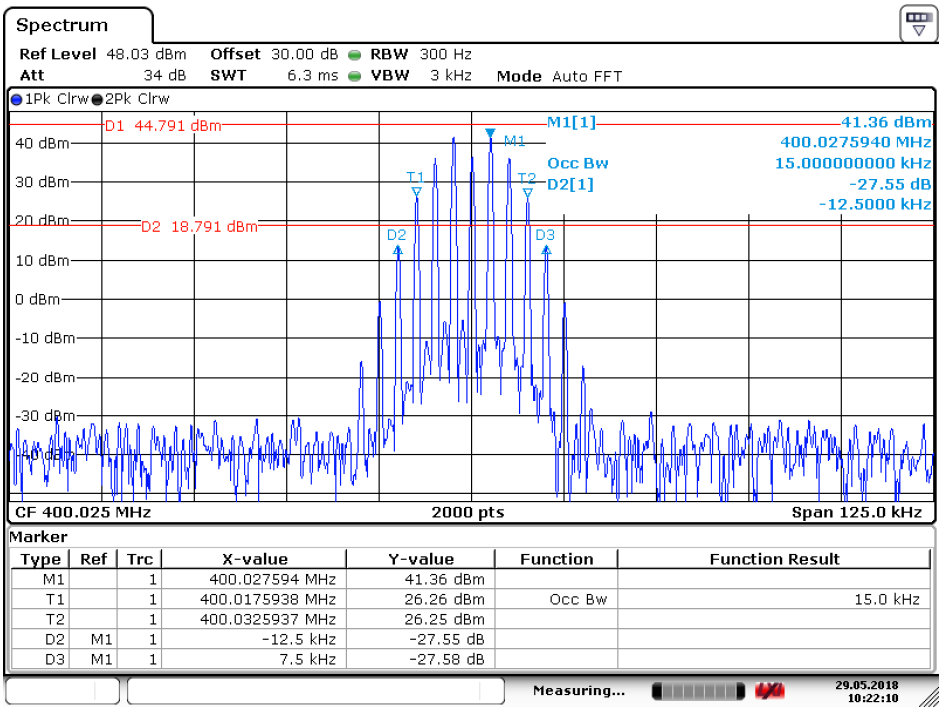
12.5KHz, Analog modulation, Assigned Frequency:469.975MHz					
Audio Frequency(Hz)	Instantaneous		Steady-state		Limit (KHz)
	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	Deviation (peak positive) (KHz)	Deviation (peak negative) (KHz)	
300	2.280	2.290	2.270	2.270	2.5
400	2.340	2.330	2.370	2.320	2.5
500	2.340	2.320	2.320	2.320	2.5
600	2.320	2.310	2.320	2.310	2.5
700	2.320	2.320	2.320	2.310	2.5
800	2.300	2.300	2.300	2.300	2.5
900	2.300	2.300	2.300	2.300	2.5
1000	2.290	2.290	2.300	2.290	2.5
1200	2.270	2.270	2.290	2.280	2.5
1400	2.260	2.270	2.260	2.260	2.5
1600	2.310	2.310	2.310	2.310	2.5
1800	2.420	2.410	2.410	2.410	2.5
2000	2.430	2.430	2.420	2.410	2.5
2100	2.410	2.410	2.420	2.410	2.5
2200	2.400	2.410	2.400	2.400	2.5
2300	2.390	2.390	2.380	2.380	2.5
2400	2.370	2.380	2.380	2.370	2.5
2500	2.360	2.360	2.360	2.370	2.5
2600	2.340	2.340	2.340	2.340	2.5
2700	2.310	2.310	2.310	2.320	2.5
2800	2.290	2.280	2.290	2.290	2.5
2900	2.250	2.250	2.250	2.250	2.5
3000	2.190	2.190	2.200	2.200	2.5



6.Occupied Bandwidth

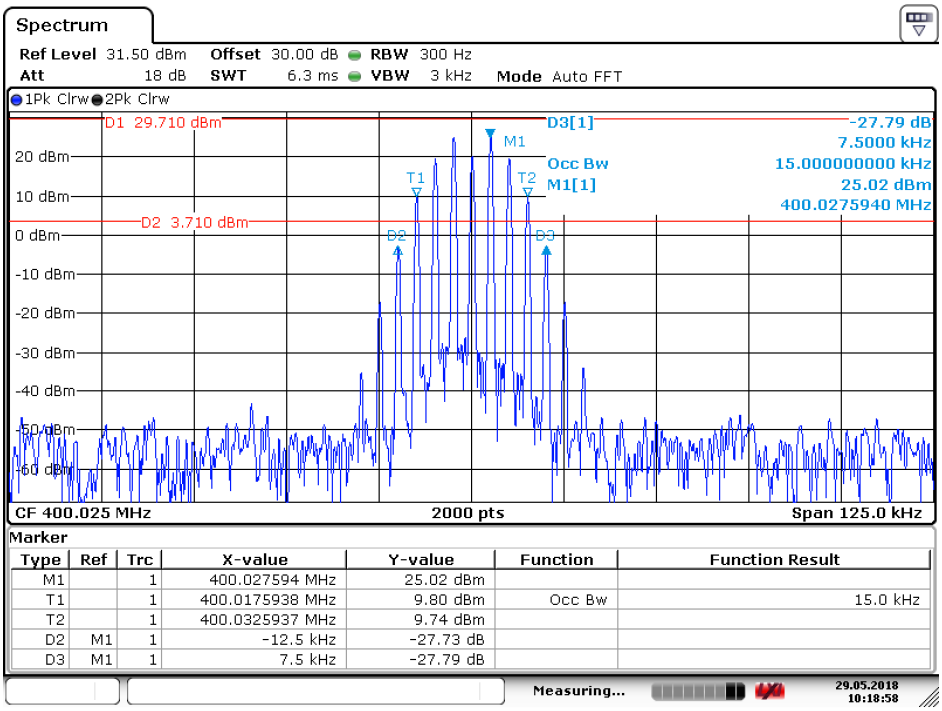
Modulation Type	Channel Separation	Frequency (MHz)	Power Level	99% Occupied Bandwidth (kHz)	26dB Emissions Bandwidth (kHz)	Remark
Analog FM	25KHz	400.025	Max	15.000	20.000	For Federal
			Low	15.000	20.000	
		450.025	Max	15.062	19.938	For Part74
			Low	15.063	19.875	
		459.125	Max	15.063	20.000	For Part22
			Low	15.125	19.938	
		469.975	Max	15.125	20.000	For Part90 & Part80
			Low	15.031	20.000	
	12.5KHz	400.025	Max	9.969	10.219	For Federal
			Low	5.156	10.000	
		450.025	Max	10.063	10.563	For Part74
			Low	10.000	10.563	
		459.125	Max	10.000	10.563	For Part22
			Low	10.000	10,563	
		469.975	Max	10.000	10.215	For Part90 & Part80
			Low	10.000	10.219	
Digital 4FSK	12.5KHz	400.025	Max	7.563	9.600	For Federal
			Low	7.594	9.707	
		450.025	Max	7.906	9.500	For Part74
			Low	7.906	9.750	
		459.125	Max	7.969	9,532	For Part22
			Low	7.969	9.625	
		469.975	Max	7.656	9.738	For Part90 & Part80
			Low	7.719	9.844	

25KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power



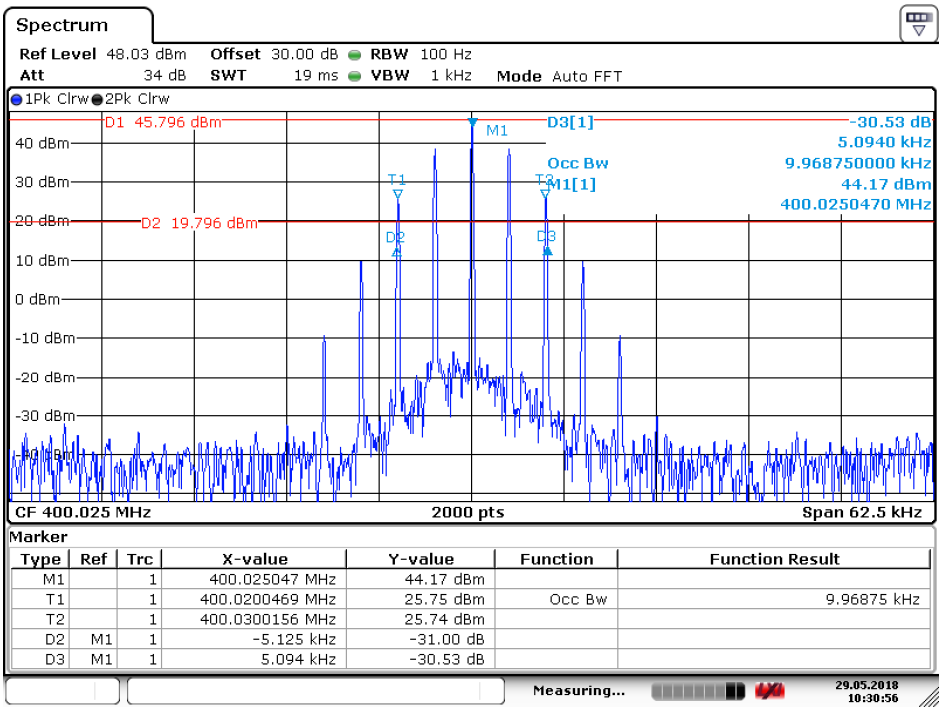
Date: 29.MAY.2018 10:22:11

25KHz, Analog modulation, Assigned Frequency:400.025MHz, Low Power



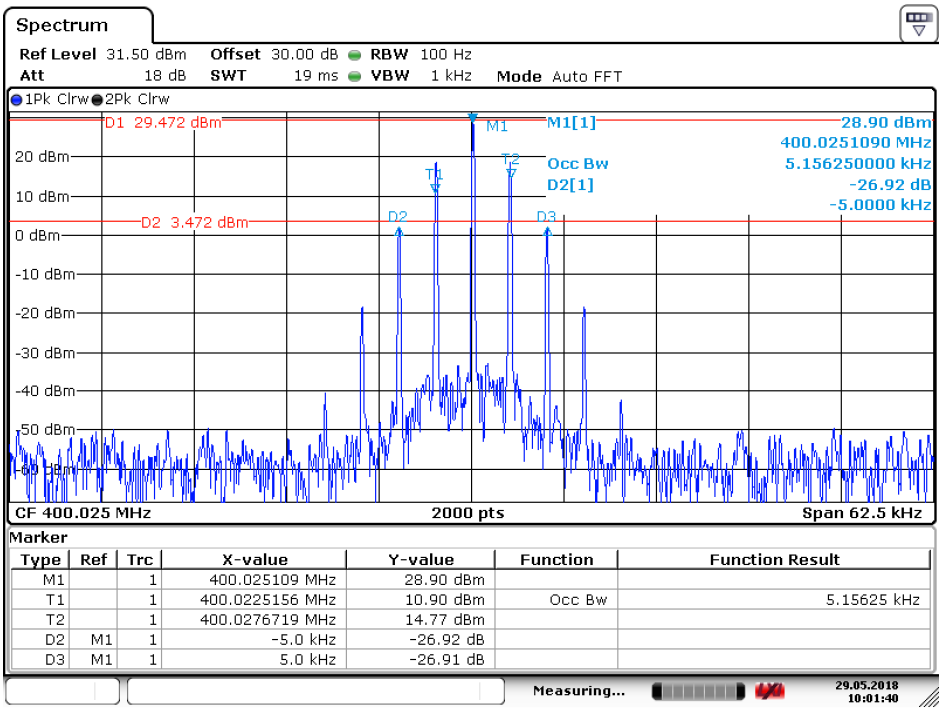
Date: 29.MAY.2018 10:18:58

12.5KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power



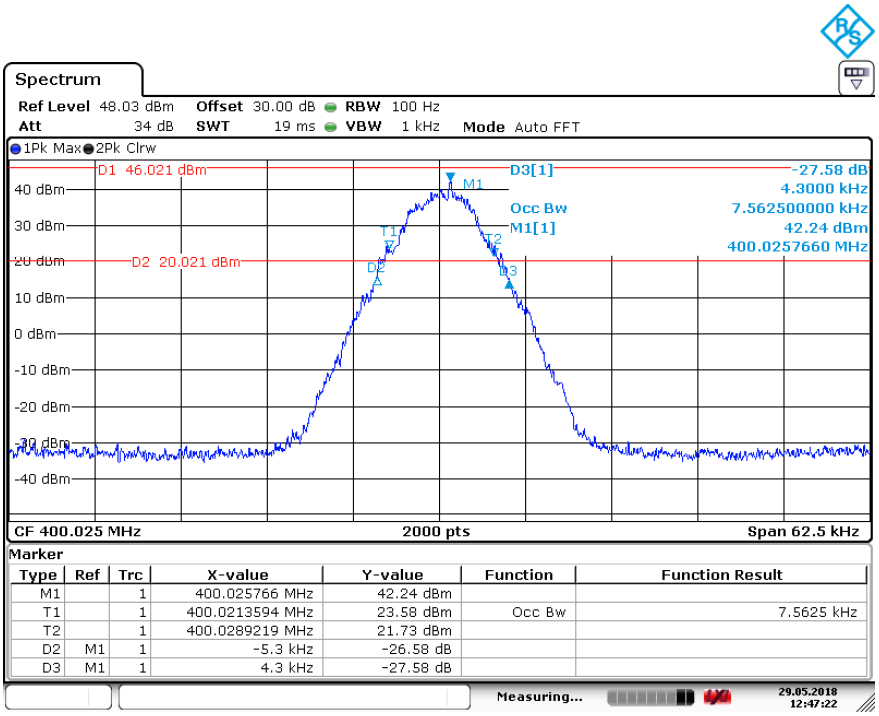
Date: 29.MAY.2018 10:30:57

12.5KHz, Analog modulation, Assigned Frequency:400.025MHz, Low Power



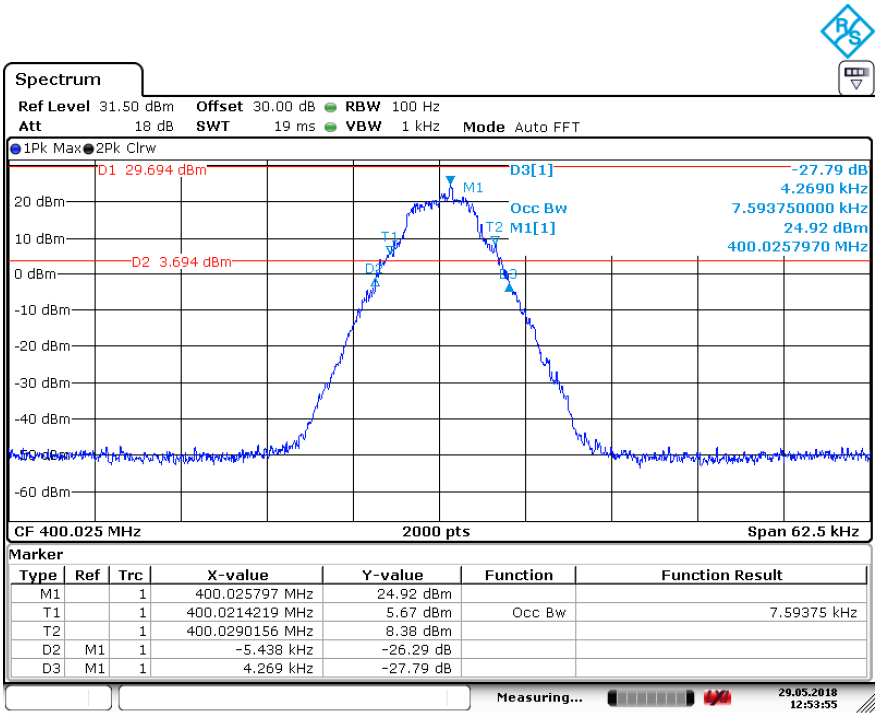
Date: 29.MAY.2018 10:01:40

12.5KHz, Digital modulation, Assigned Frequency: 400.025MHz, High Power



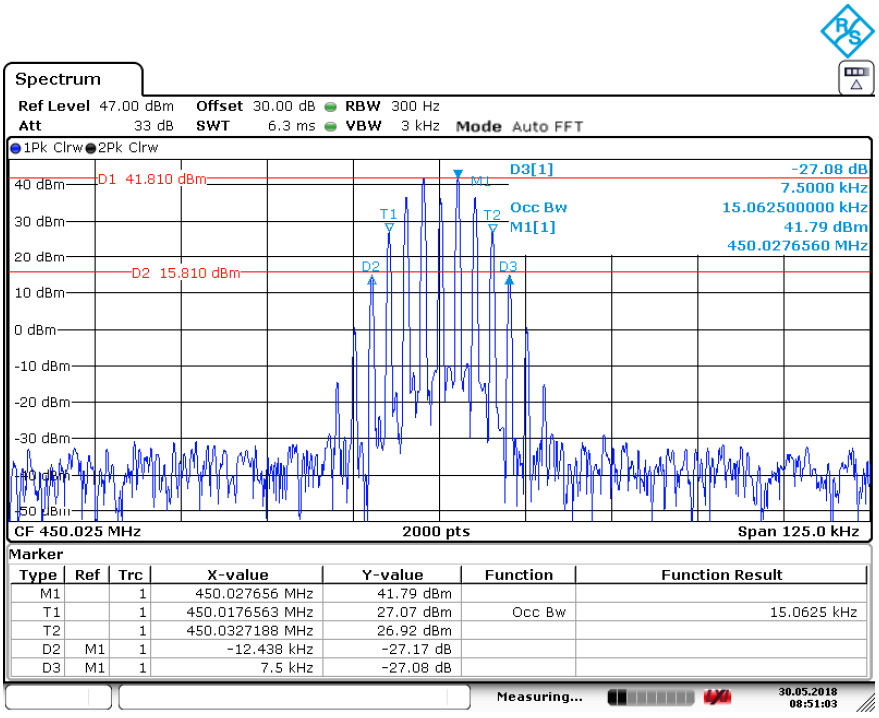
Date: 29.MAY.2018 12:47:22

12.5KHz, Digital modulation, Assigned Frequency: 400.025MHz, Low Power



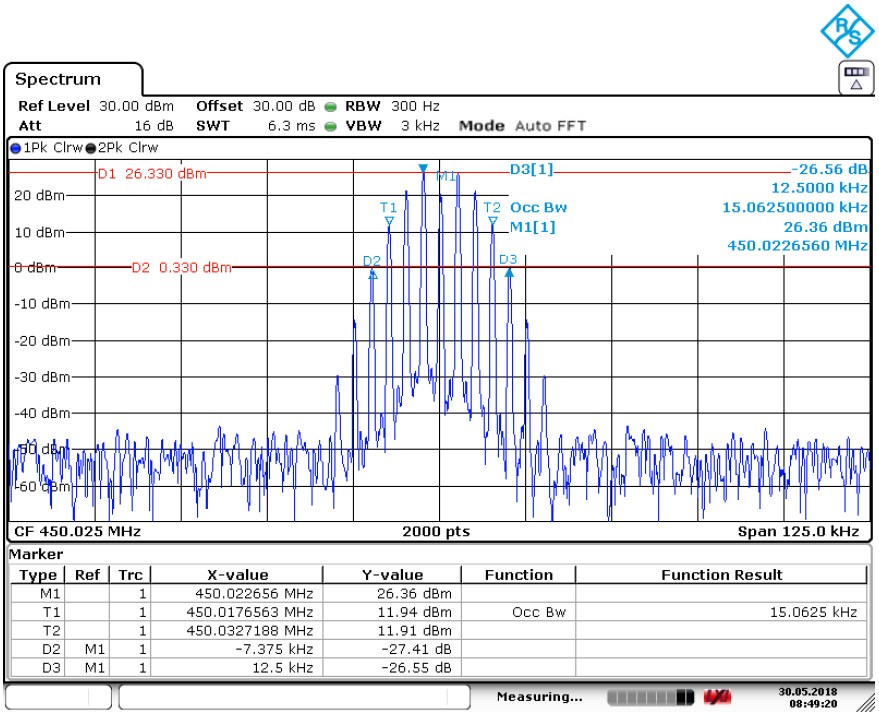
Date: 29.MAY.2018 12:53:55

25KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power



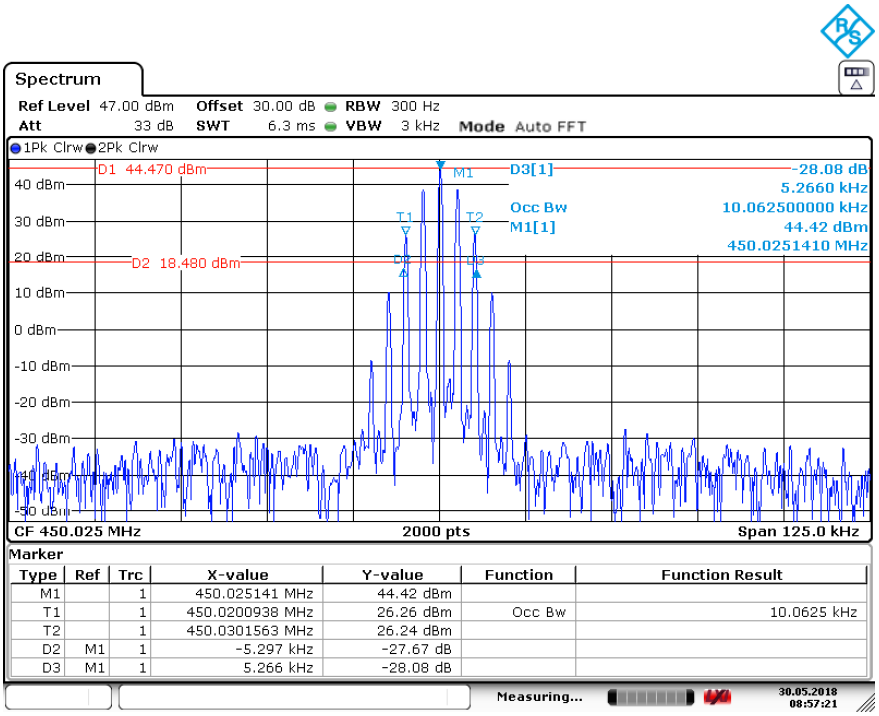
Date: 30.MAY.2018 08:51:03

25KHz, Analog modulation, Assigned Frequency:450.025MHz, Low Power



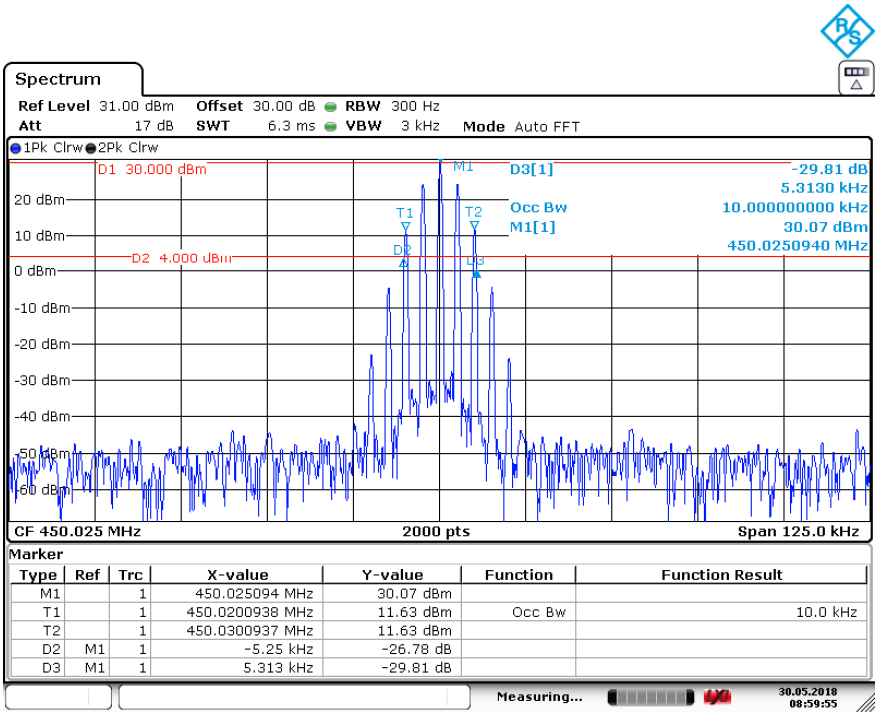
Date: 30.MAY.2018 08:49:20

12.5KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power



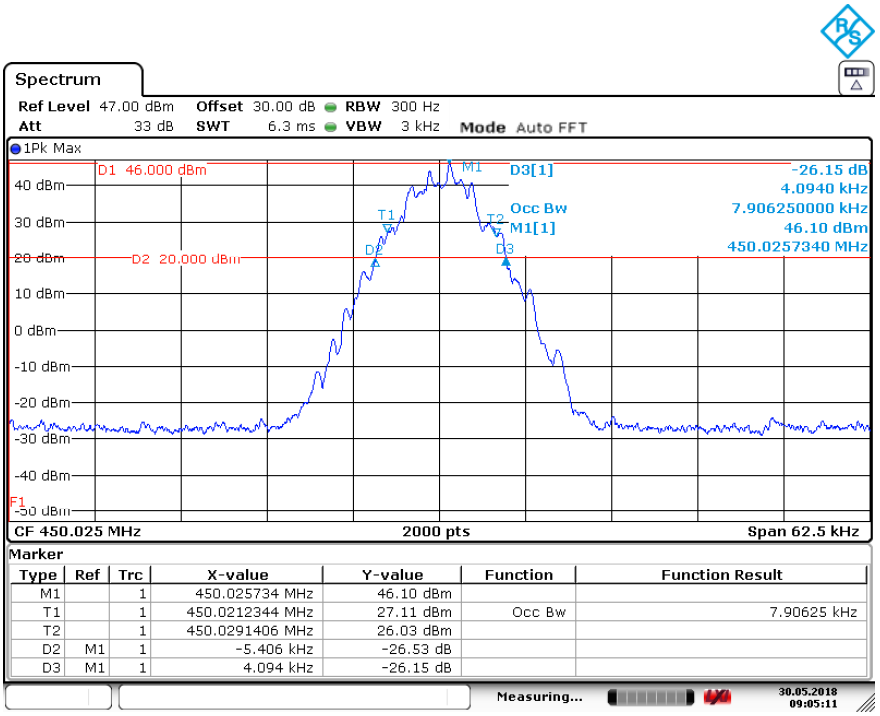
Date: 30.MAY.2018 08:57:21

12.5KHz, Analog modulation, Assigned Frequency:450.025MHz, Low Power



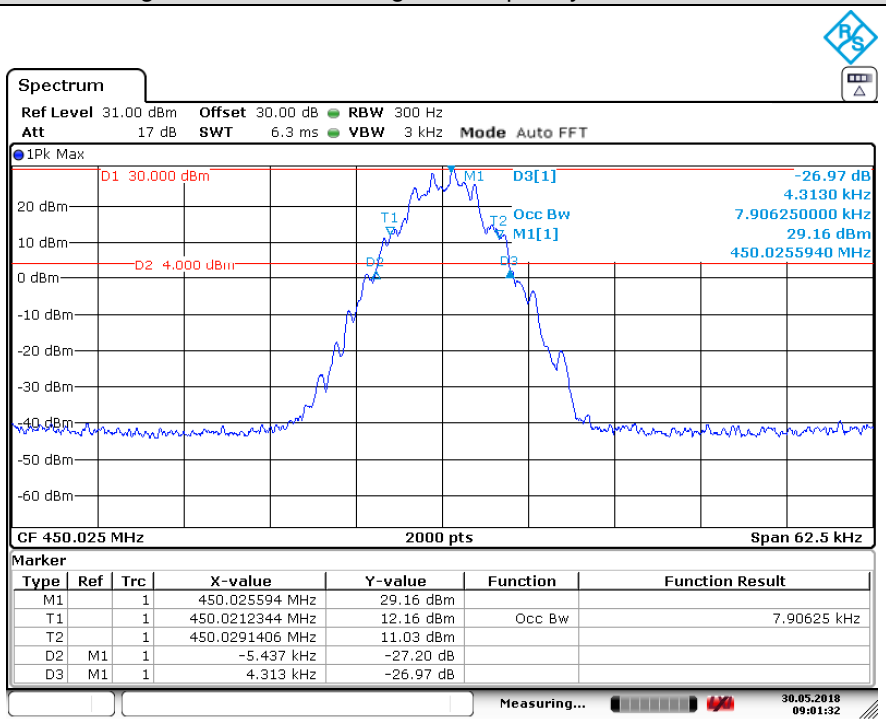
Date: 30.MAY.2018 08:59:55

12.5KHz, Digital modulation, Assigned Frequency: 450.025MHz, High Power



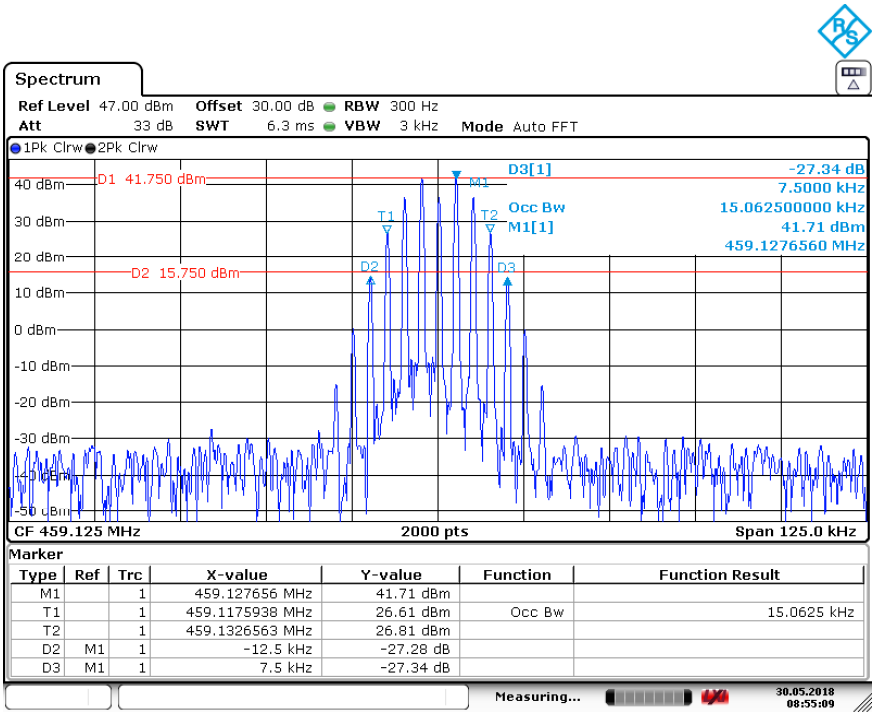
Date: 30.MAY.2018 09:05:12

12.5KHz, Digital modulation, Assigned Frequency:450.025MHz, Low Power



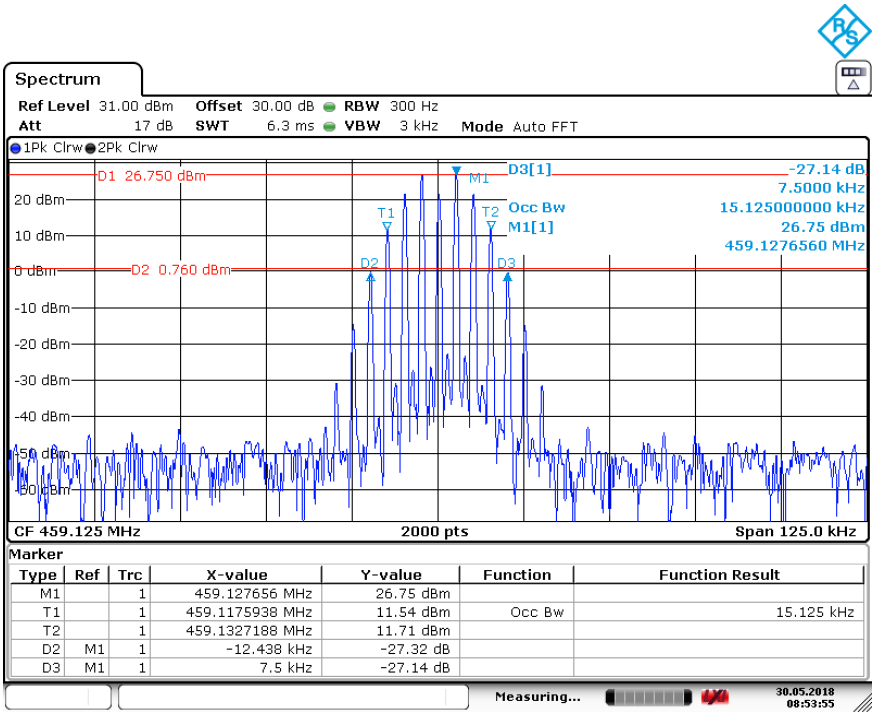
Date: 30.MAY.2018 09:01:32

25KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power



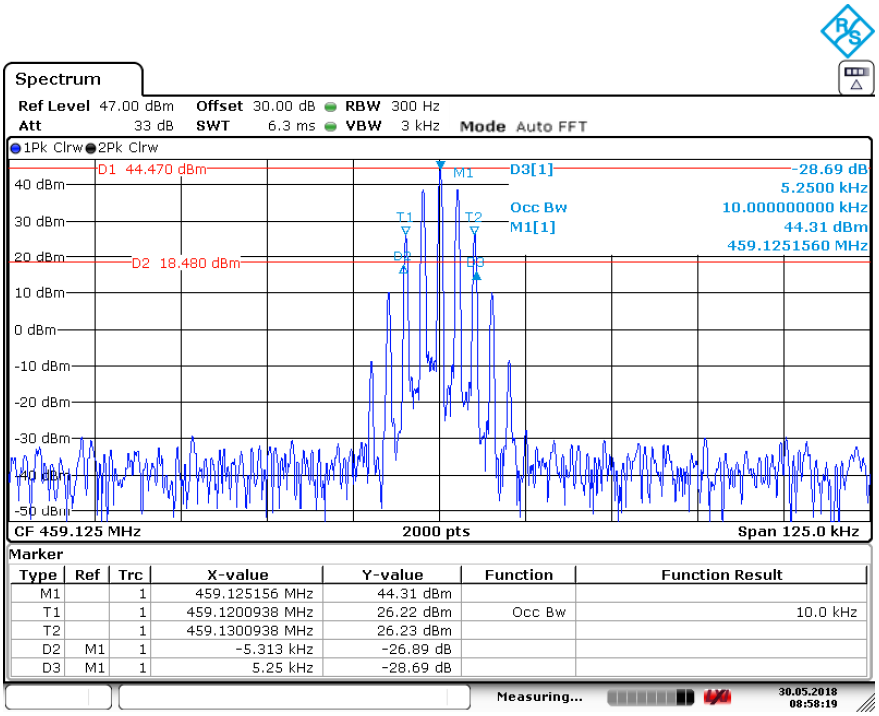
Date: 30.MAY.2018 08:55:09

25KHz, Analog modulation, Assigned Frequency: 459.125MHz, Low Power



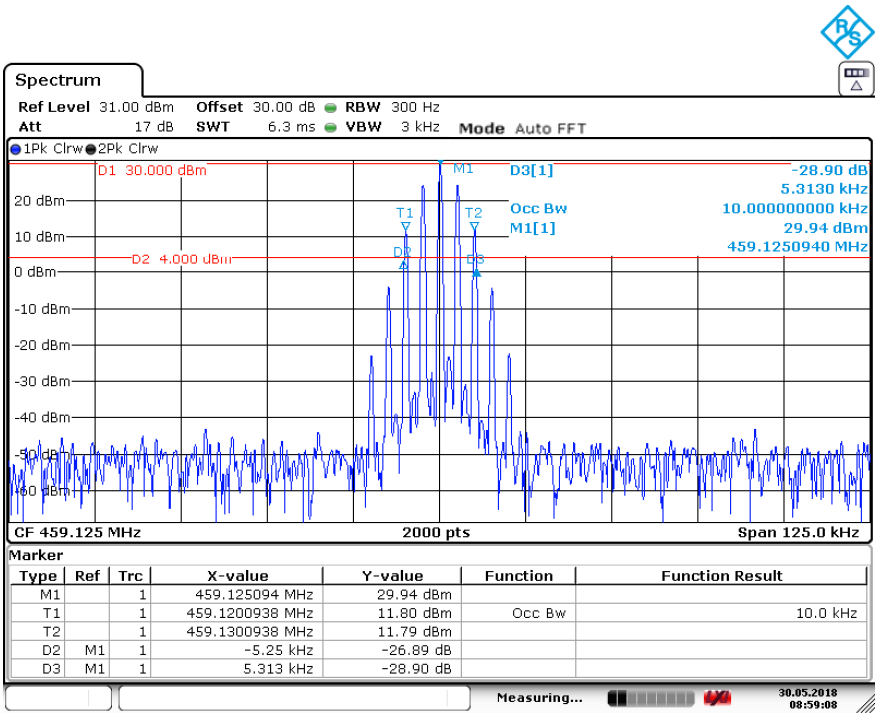
Date: 30.MAY.2018 08:53:55

12.5KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power



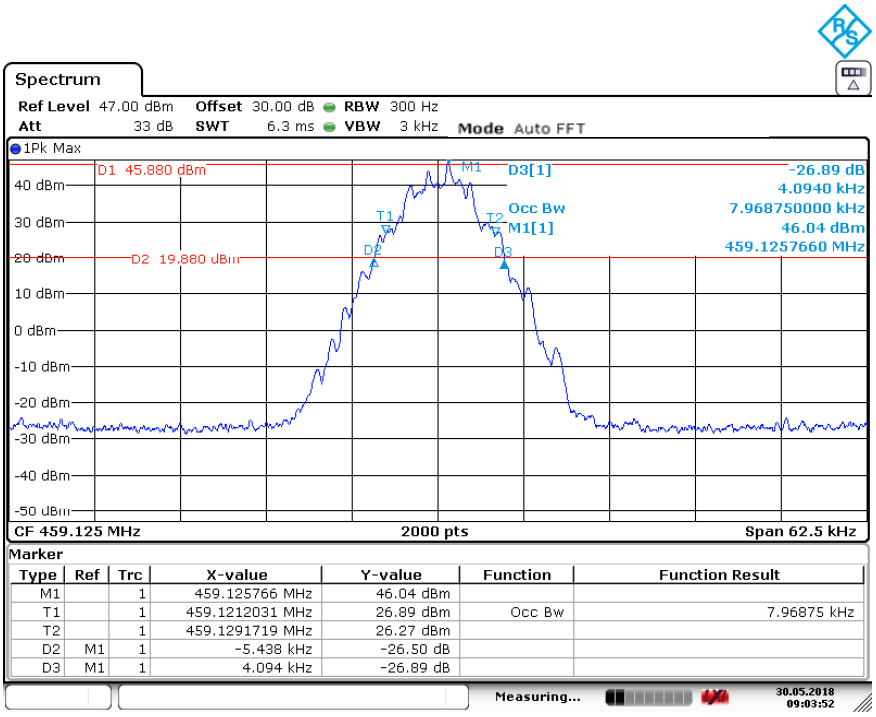
Date: 30.MAY.2018 08:58:20

12.5KHz, Analog modulation, Assigned Frequency:459.125MHz, Low Power



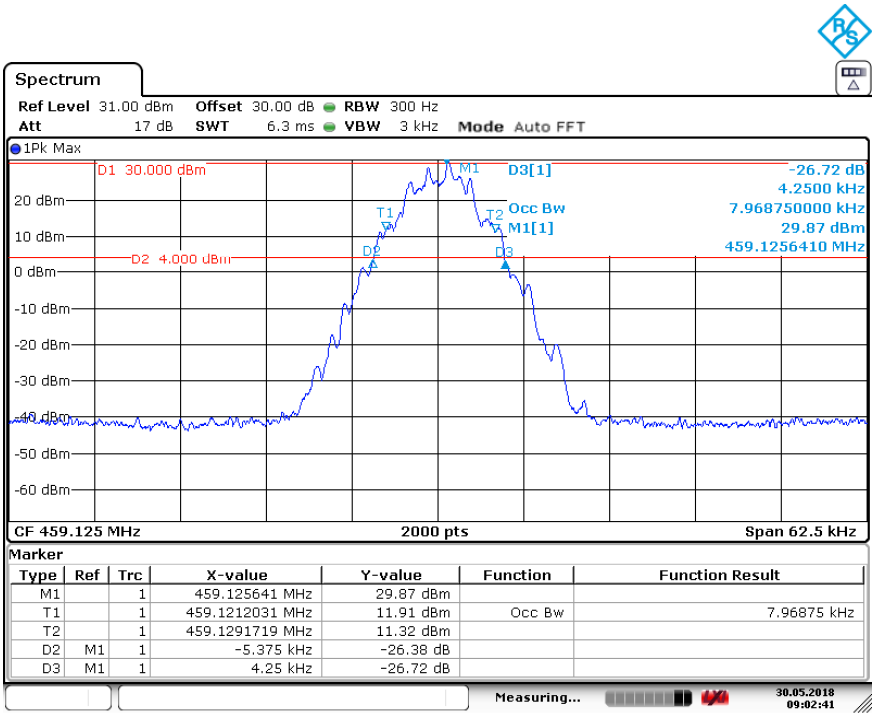
Date: 30.MAY.2018 08:59:08

12.5KHz, Digital modulation, Assigned Frequency: 459.125MHz, High Power



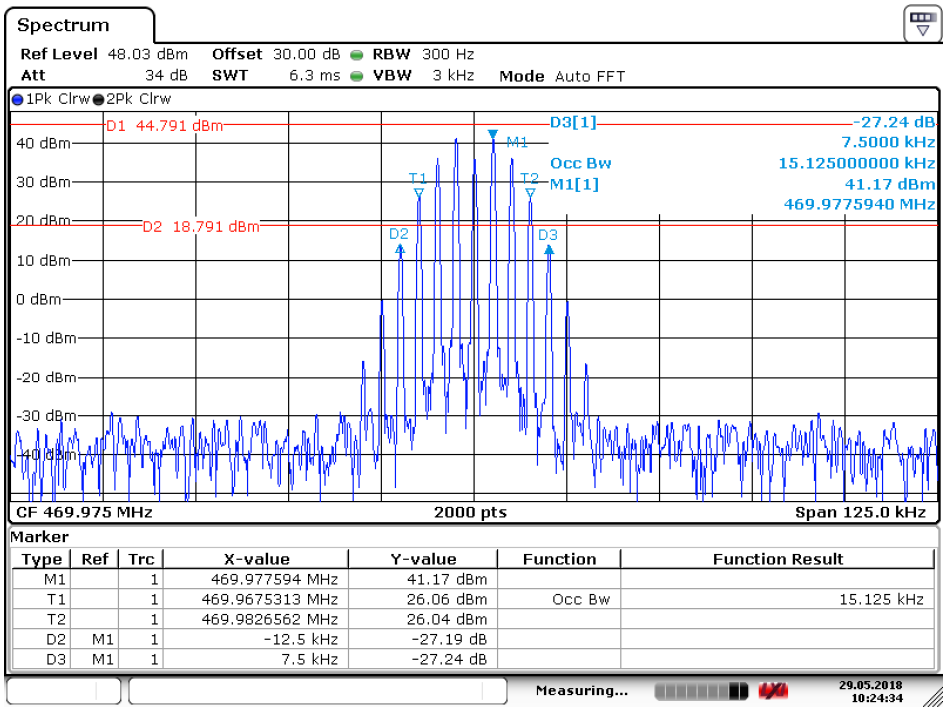
Date: 30.MAY.2018 09:03:52

12.5KHz, Digital modulation, Assigned Frequency:459.125MHz, Low Power



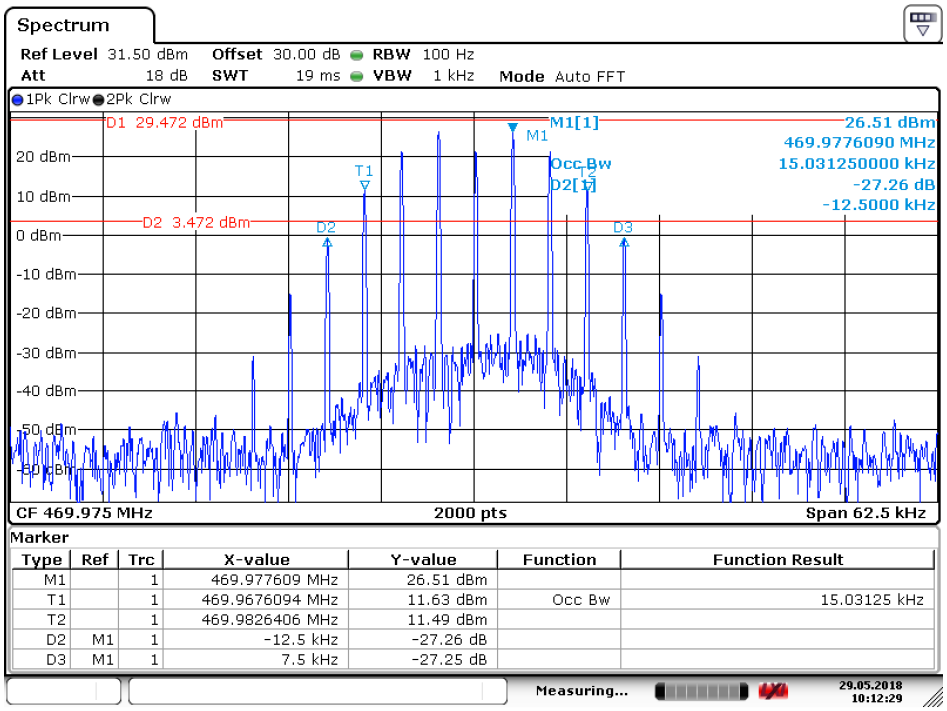
Date: 30.MAY.2018 09:02:41

25KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power



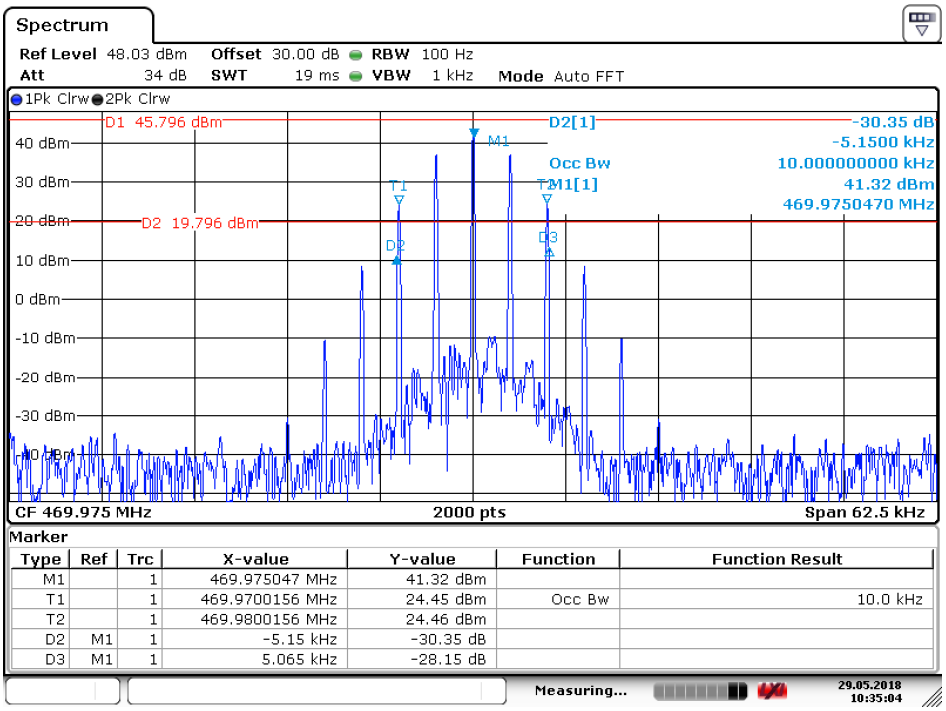
Date: 29.MAY.2018 10:24:34

25KHz, Analog modulation, Assigned Frequency:469.975MHz, Low Power



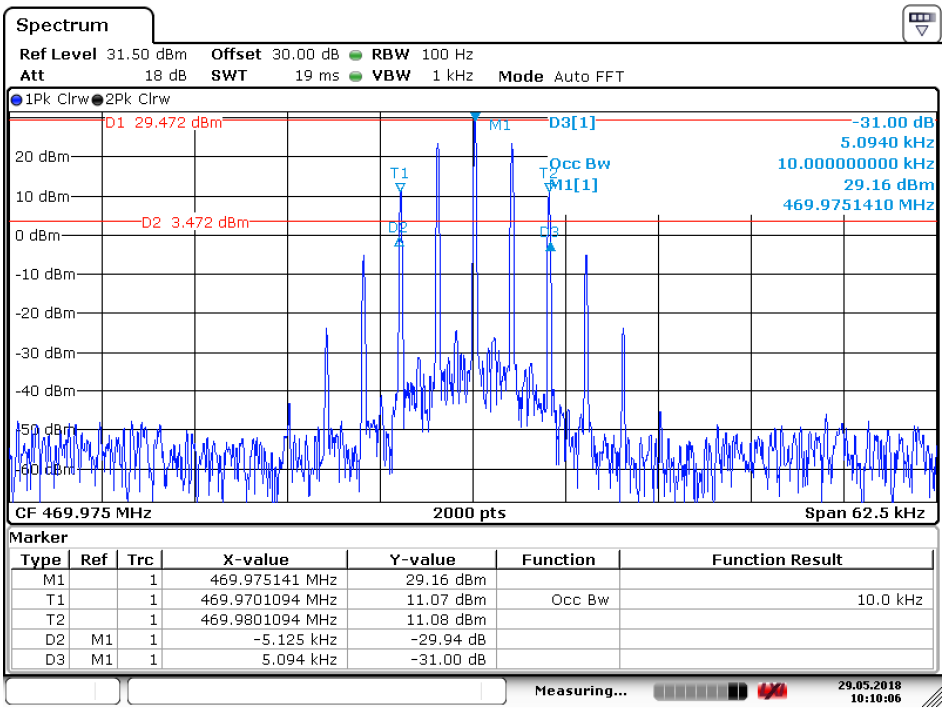
Date: 29.MAY.2018 10:12:30

12.5KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power



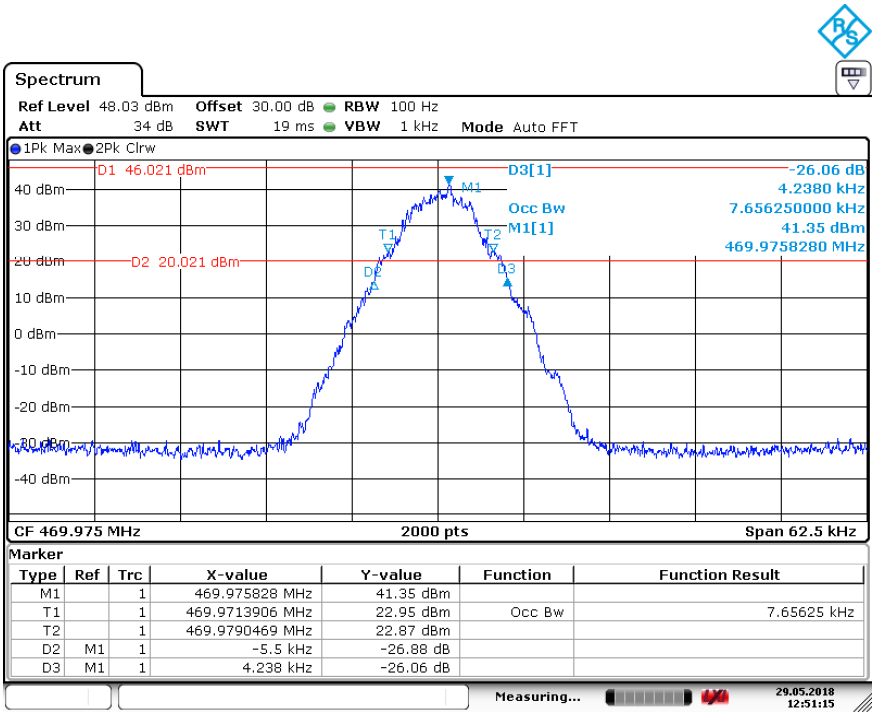
Date: 29.MAY.2018 10:35:05

12.5KHz, Analog modulation, Assigned Frequency:469.975MHz, Low Power



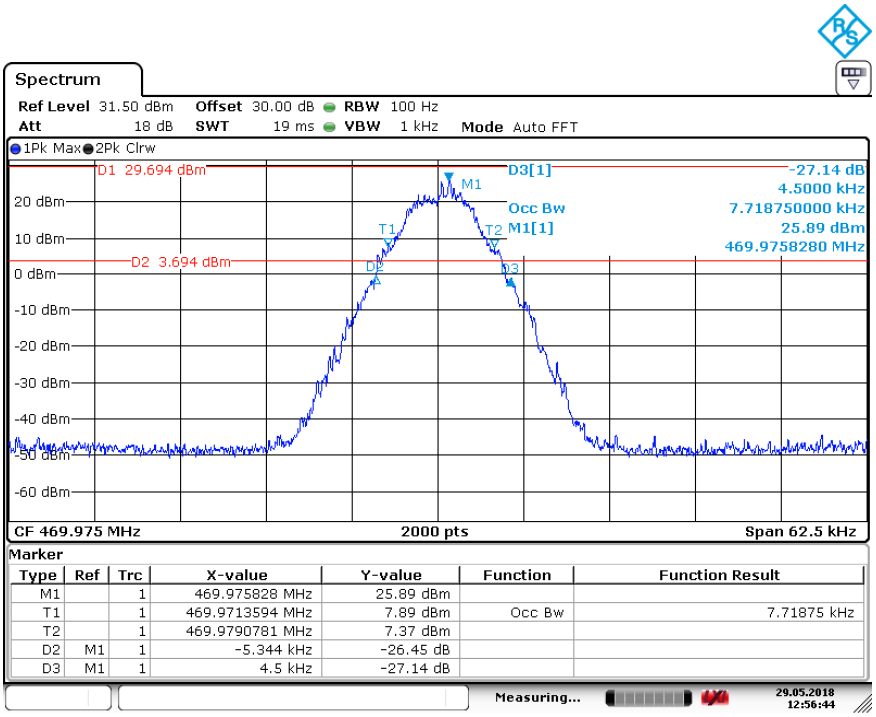
Date: 29.MAY.2018 10:10:07

12.5KHz, Digital modulation, Assigned Frequency: 469.975MHz, High Power



Date: 29.MAY.2018 12:51:15

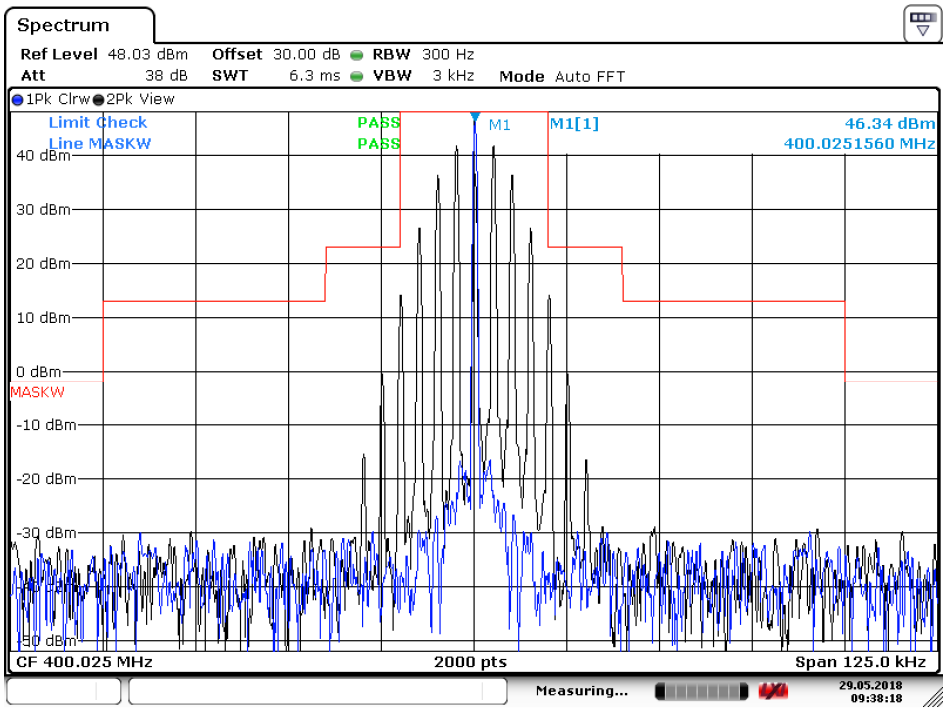
12.5KHz, Digital modulation, Assigned Frequency: 469.975MHz, Low Power



Date: 29.MAY.2018 12:56:44

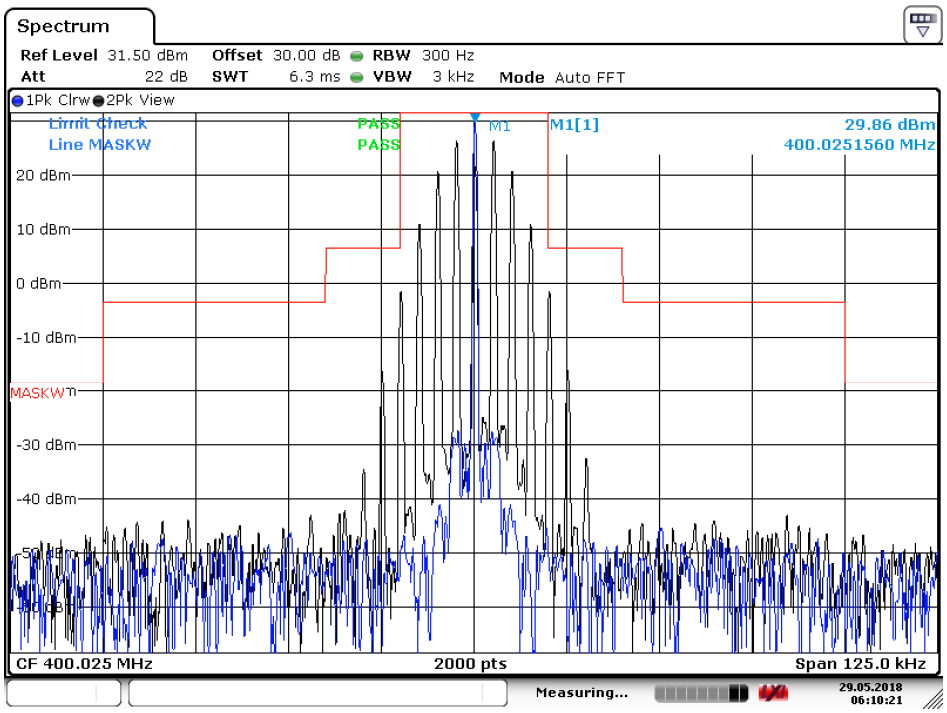
7.Emission Mask

25KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power



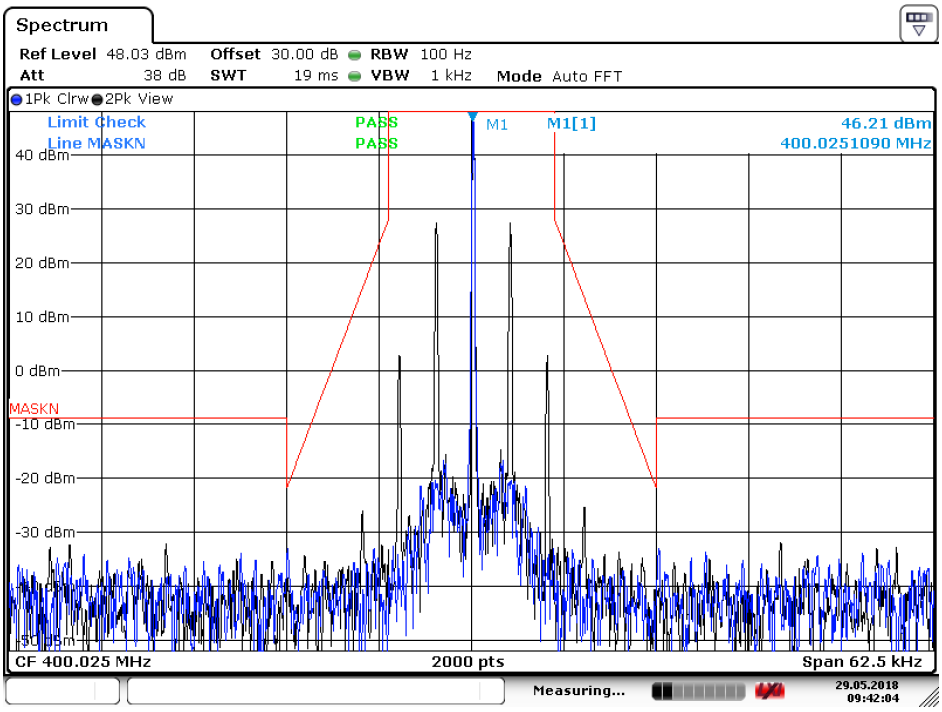
Date: 29.MAY.2018 09:38:18

25KHz, Analog modulation, Assigned Frequency:400.025MHz, Low Power



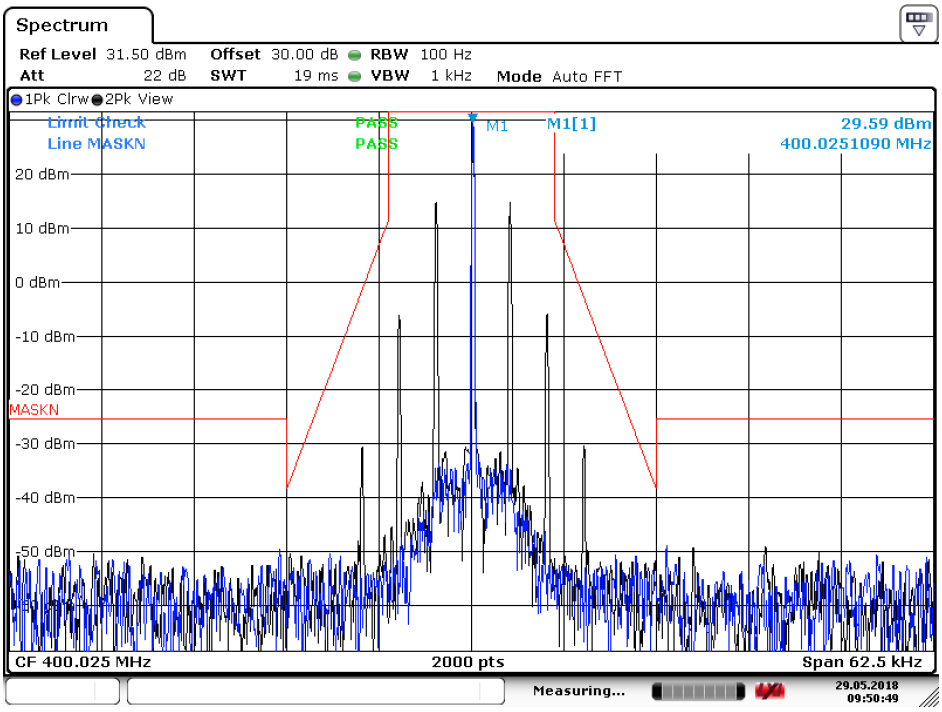
Date: 29.MAY.2018 06:10:22

12.5KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power



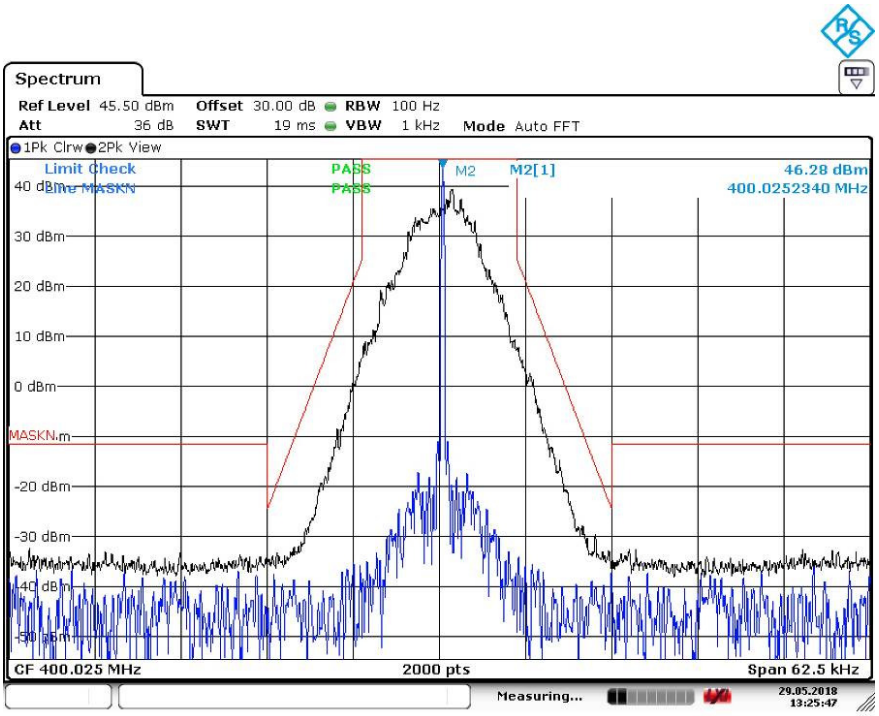
Date: 29.MAY.2018 09:42:04

12.5KHz, Analog modulation, Assigned Frequency:400.025MHz, Low Power

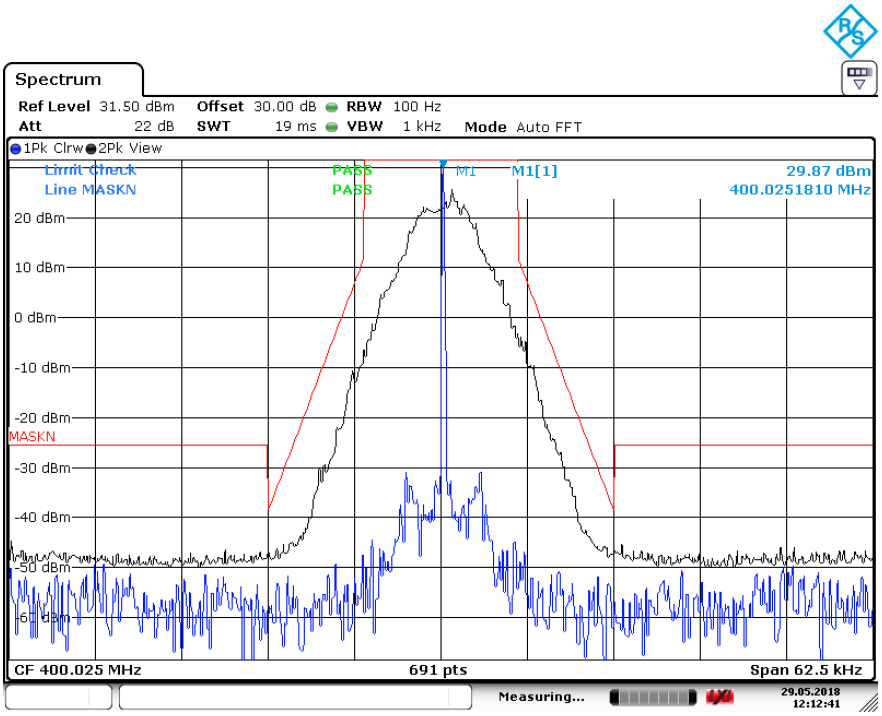


Date: 29.MAY.2018 09:50:49

12.5KHz, Digital modulation, Assigned Frequency: 400.025MHz, High Power

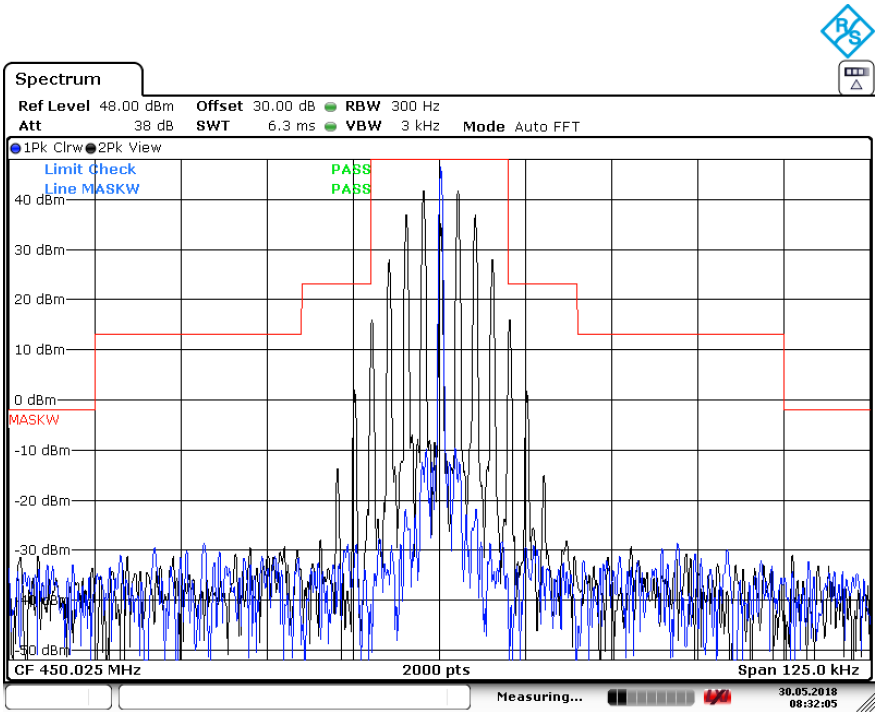


12.5KHz, Digital modulation, Assigned Frequency: 400.025MHz, Low Power



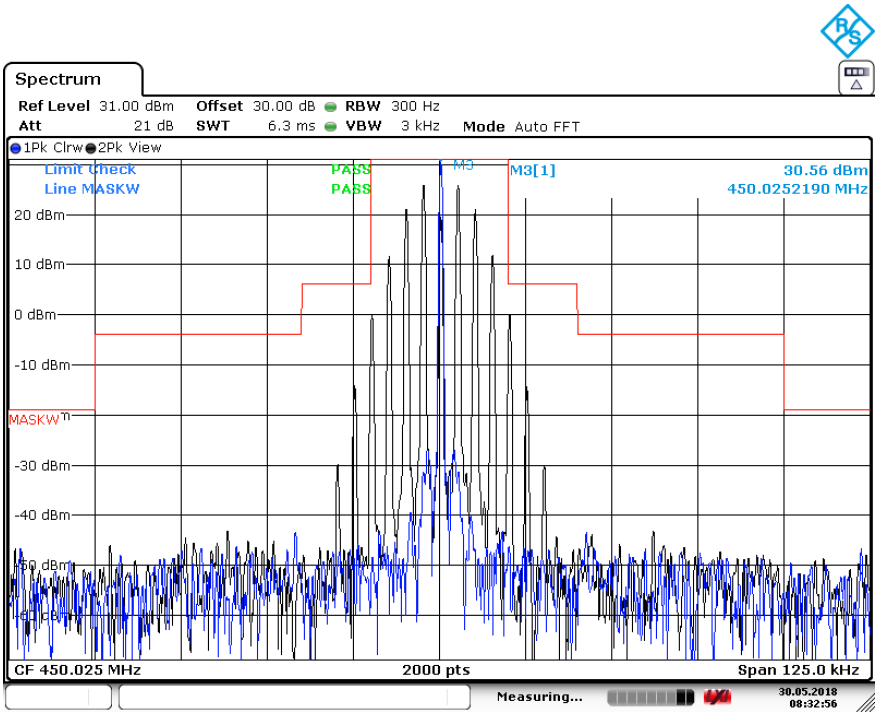
Date: 29.MAY.2018 12:12:41

25KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power



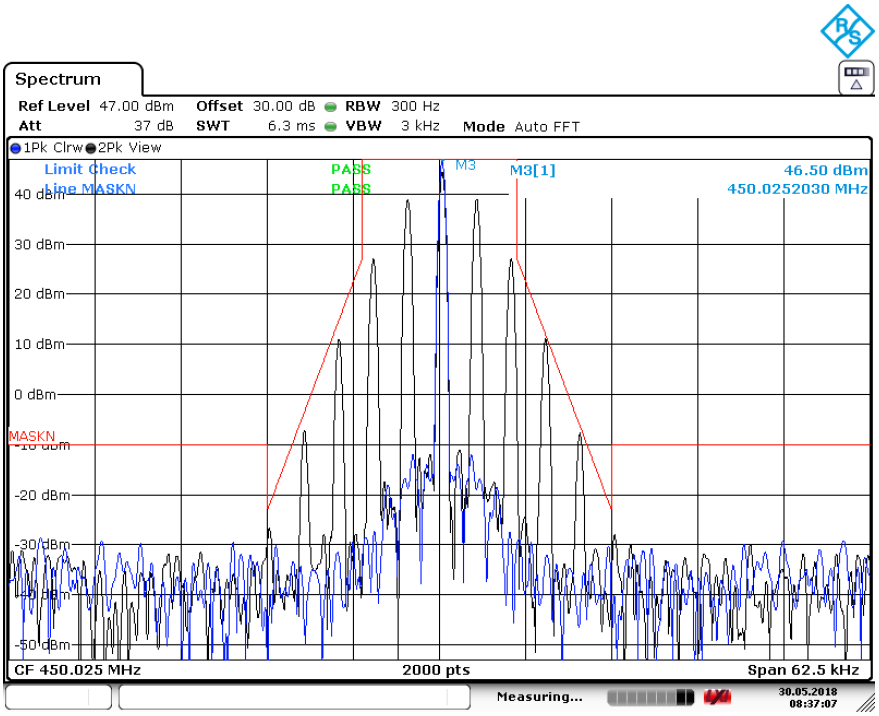
Date: 30.MAY.2018 08:32:05

25KHz, Analog modulation, Assigned Frequency:450.025MHz, Low Power



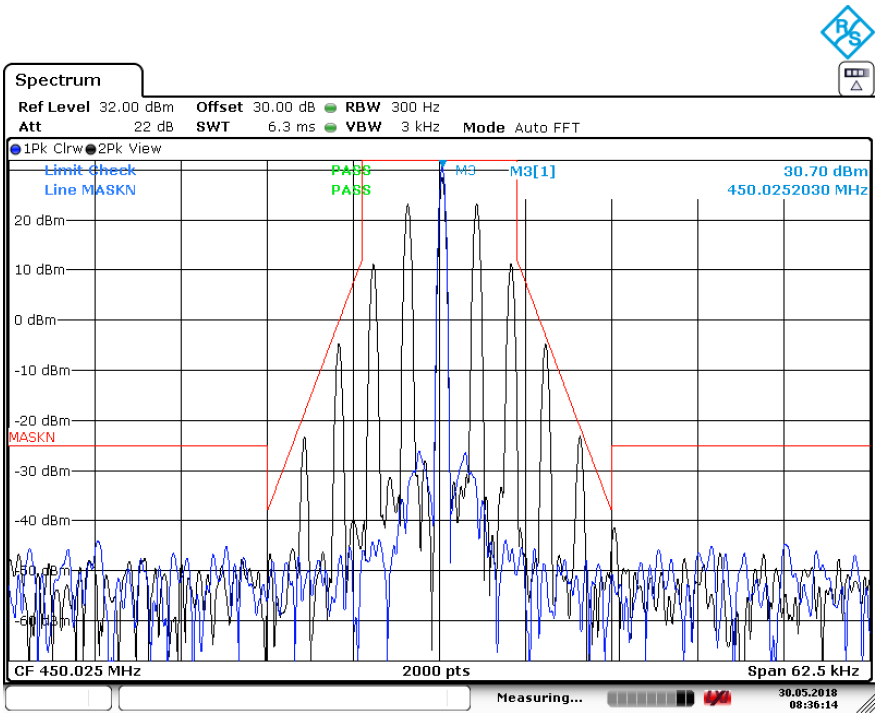
Date: 30.MAY.2018 08:32:56

12.5KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power



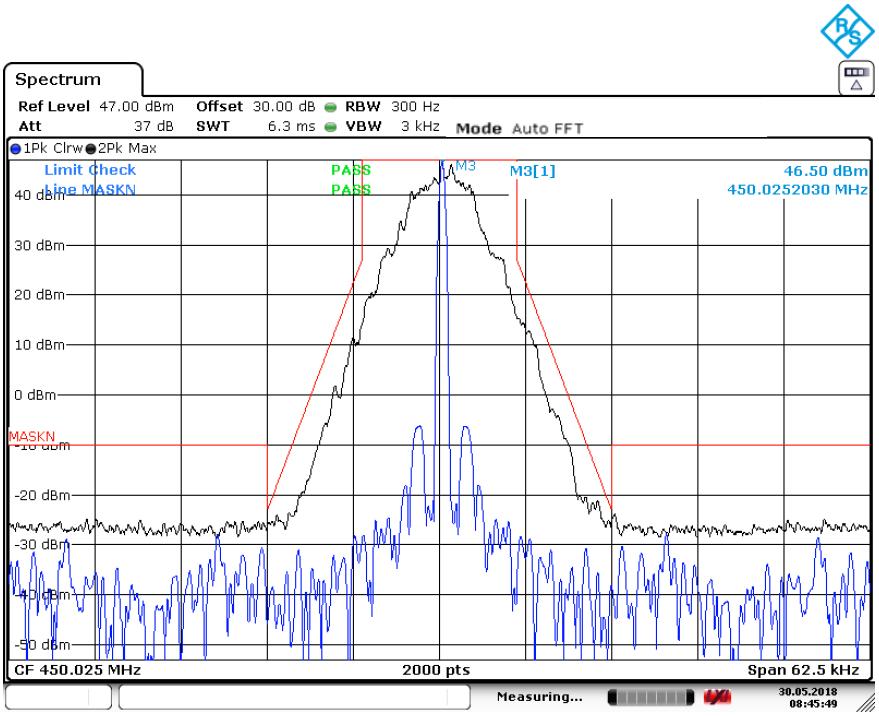
Date: 30.MAY.2018 08:37:08

12.5KHz, Analog modulation, Assigned Frequency:450.025MHz, Low Power



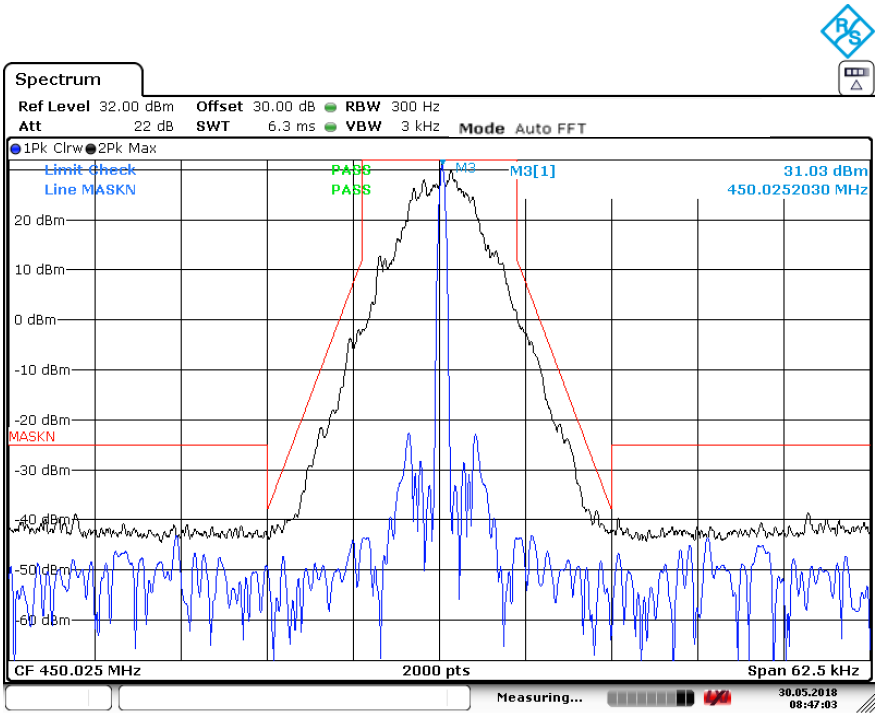
Date: 30.MAY.2018 08:36:14

12.5KHz, Digital modulation, Assigned Frequency:450.025MHz, High Power



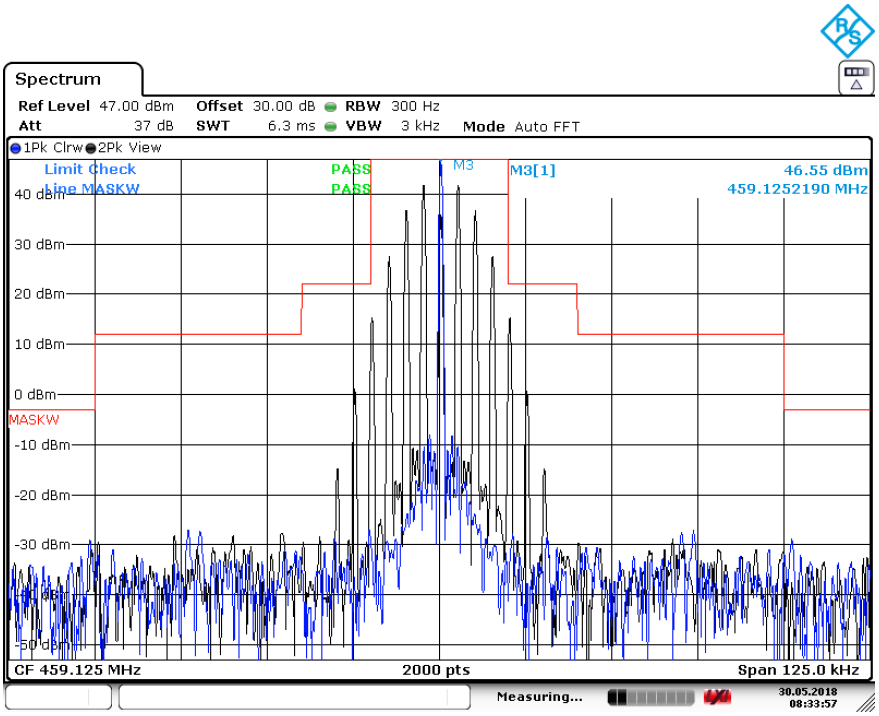
Date: 30.MAY.2018 08:45:50

12.5KHz, Digital modulation, Assigned Frequency:450.025MHz, Low Power



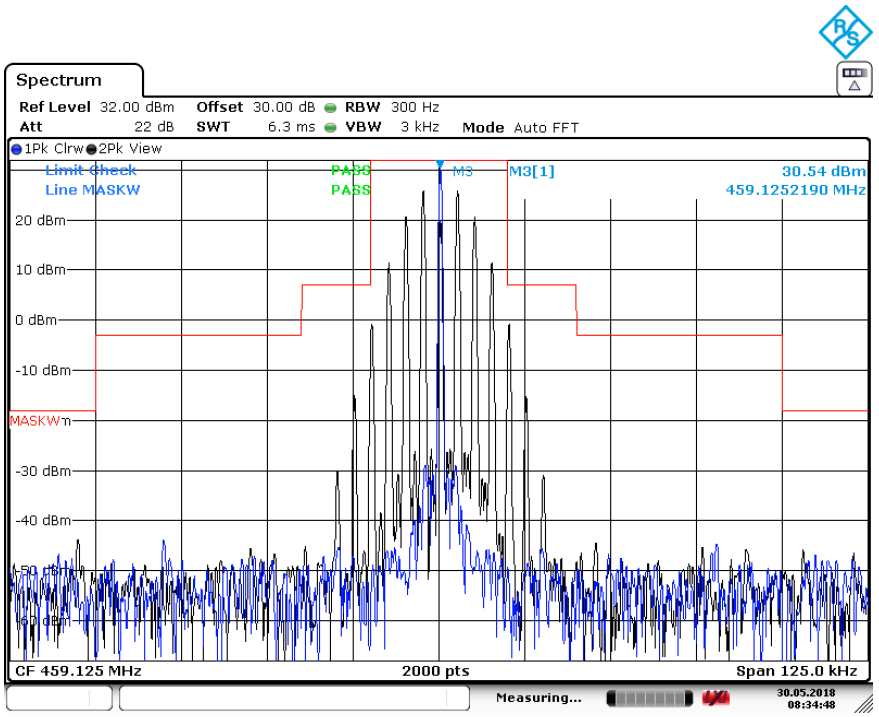
Date: 30.MAY.2018 08:47:03

25KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power



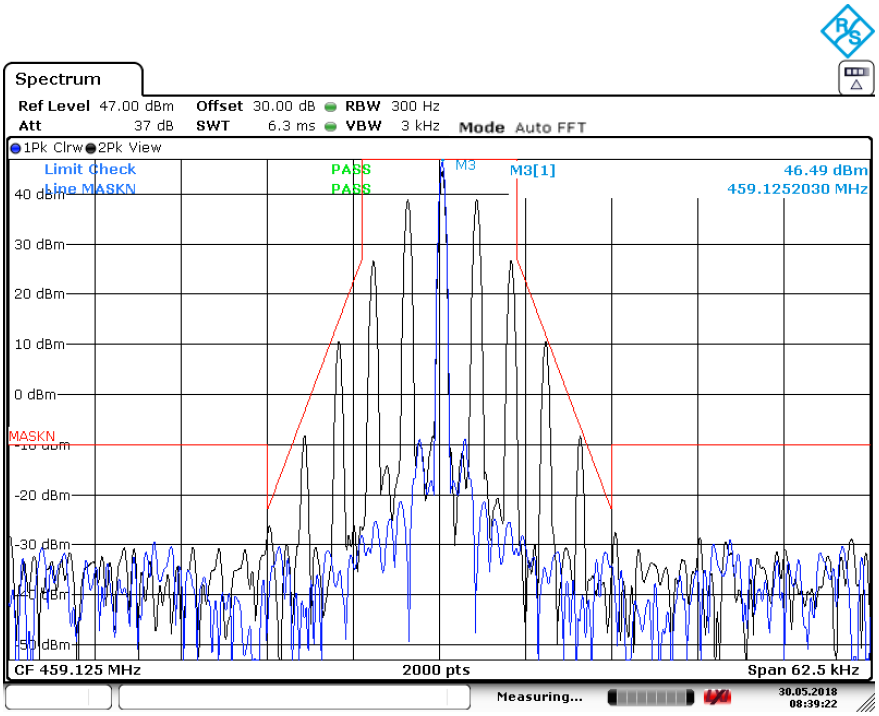
Date: 30.MAY.2018 08:33:58

25KHz, Analog modulation, Assigned Frequency:459.125MHz, Low Power



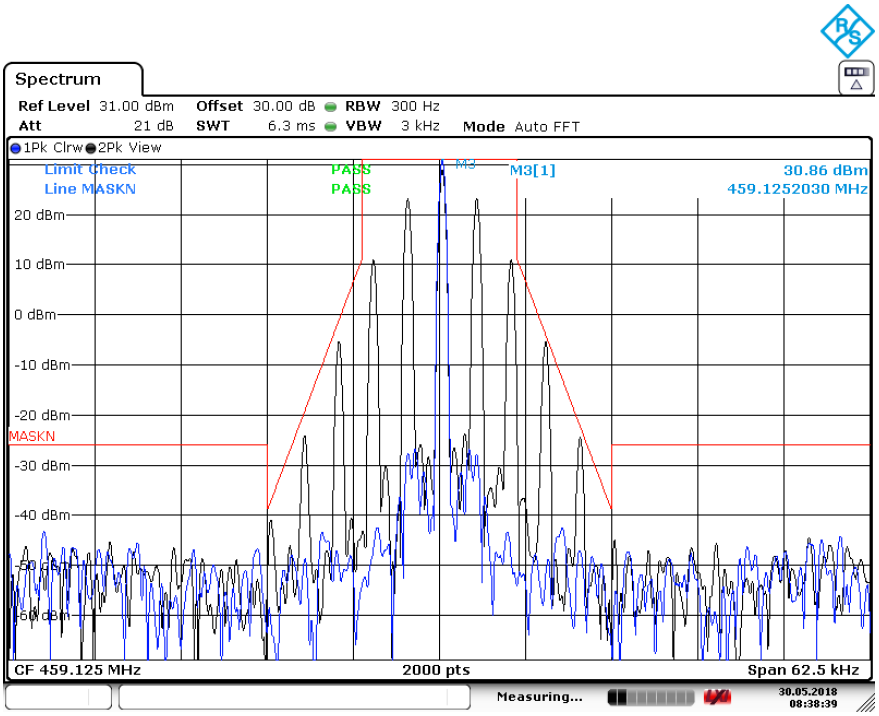
Date: 30.MAY.2018 08:34:48

12.5KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power



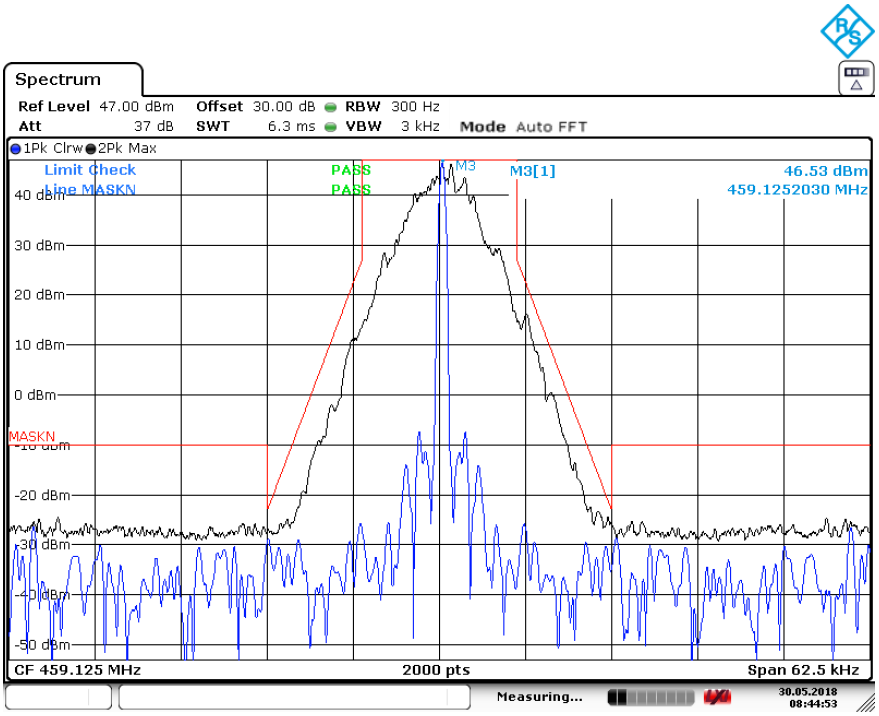
Date: 30.MAY.2018 08:39:22

12.5KHz, Analog modulation, Assigned Frequency:459.125MHz, Low Power



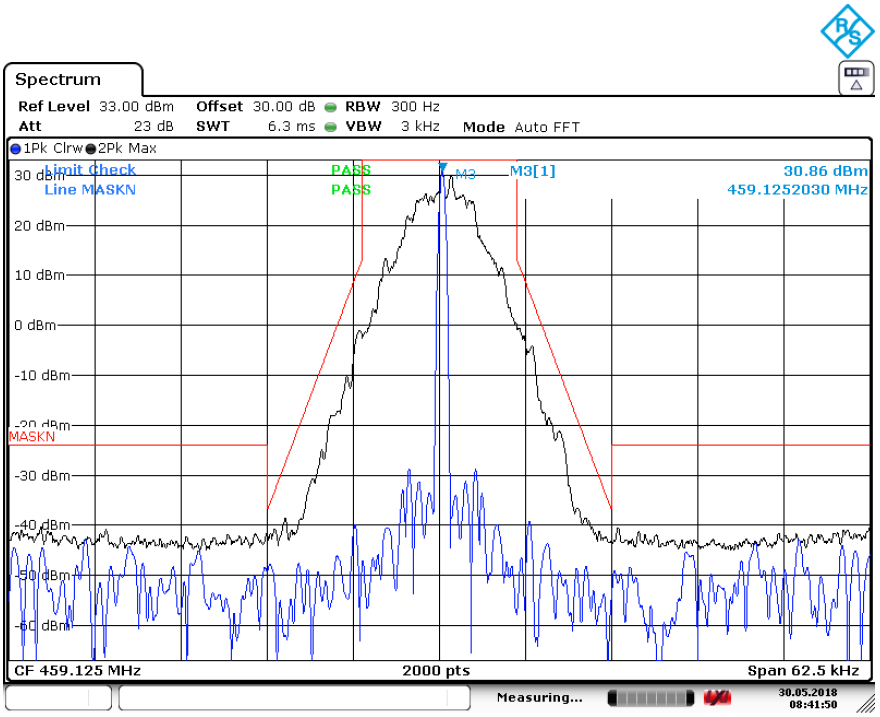
Date: 30.MAY.2018 08:38:39

12.5KHz, Digital modulation, Assigned Frequency:459.125MHz, High Power



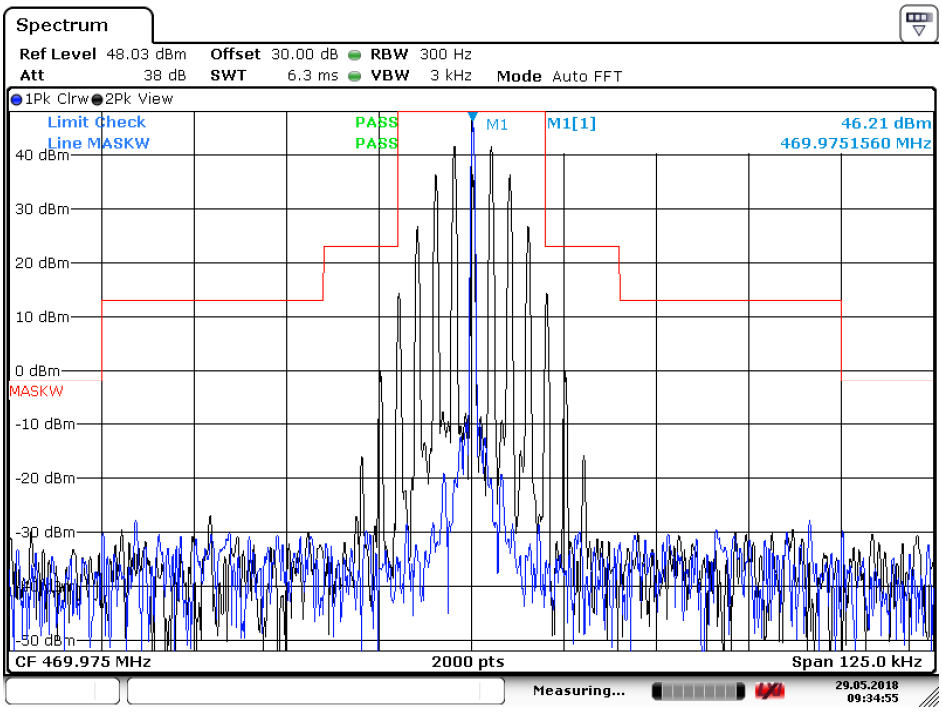
Date: 30.MAY.2018 08:44:53

12.5KHz, Digital modulation, Assigned Frequency:459.125MHz, Low Power



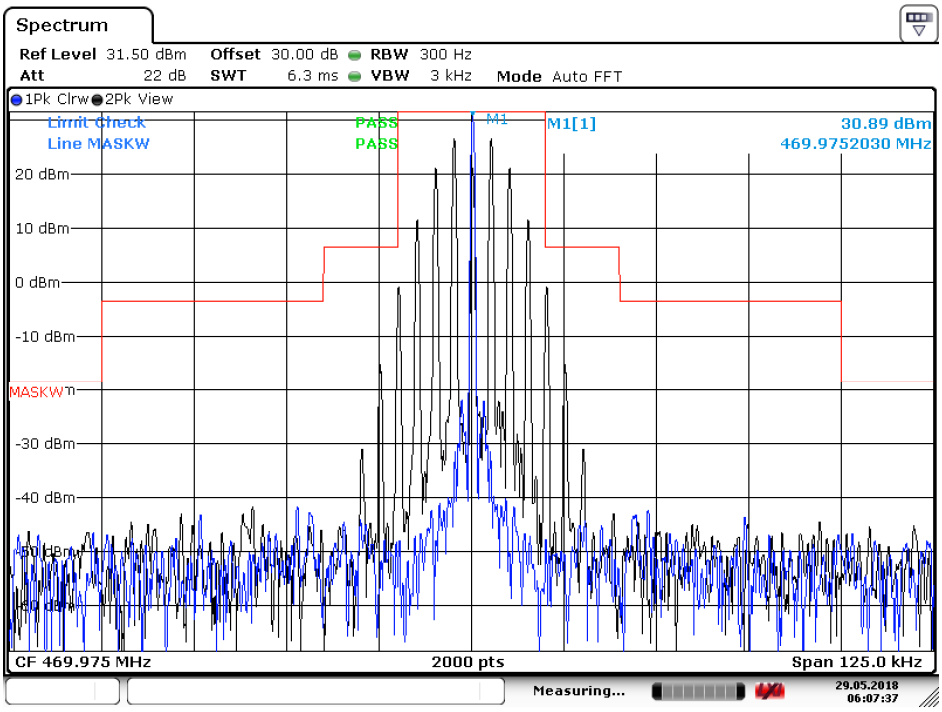
Date: 30.MAY.2018 08:41:50

25KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power



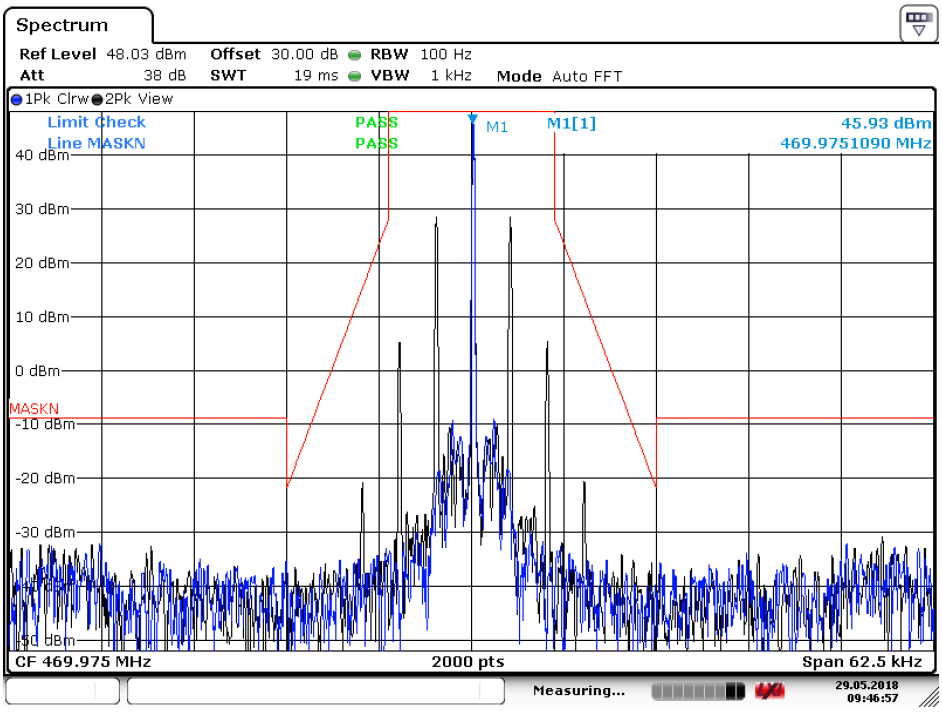
Date: 29.MAY.2018 09:34:56

25KHz, Analog modulation, Assigned Frequency:469.975MHz, Low Power



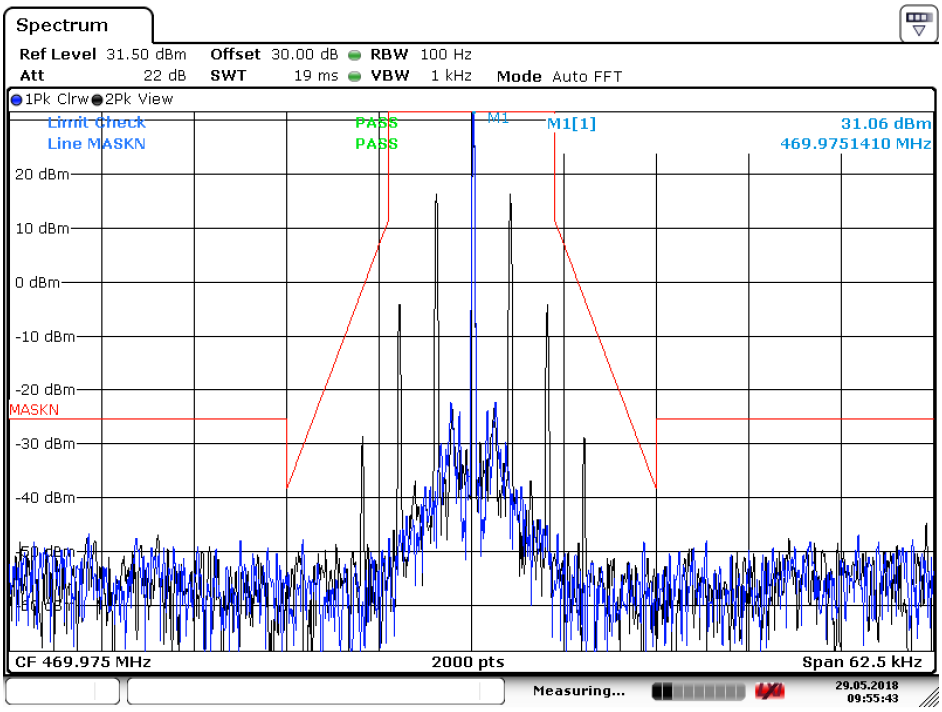
Date: 29.MAY.2018 06:07:38

12.5KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power



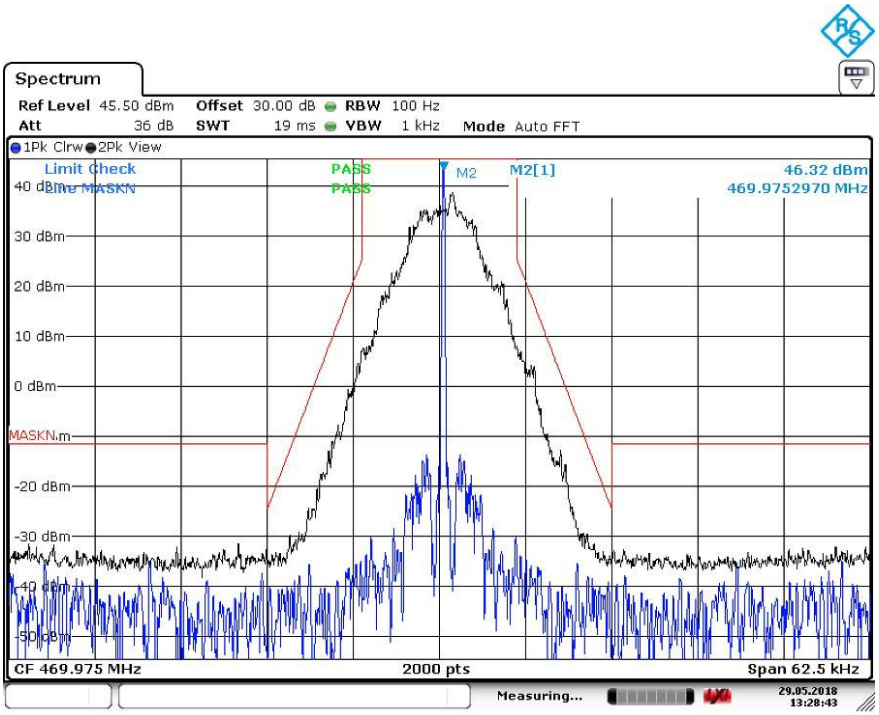
Date: 29.MAY.2018 09:46:57

12.5KHz, Analog modulation, Assigned Frequency:469.975MHz, Low Power

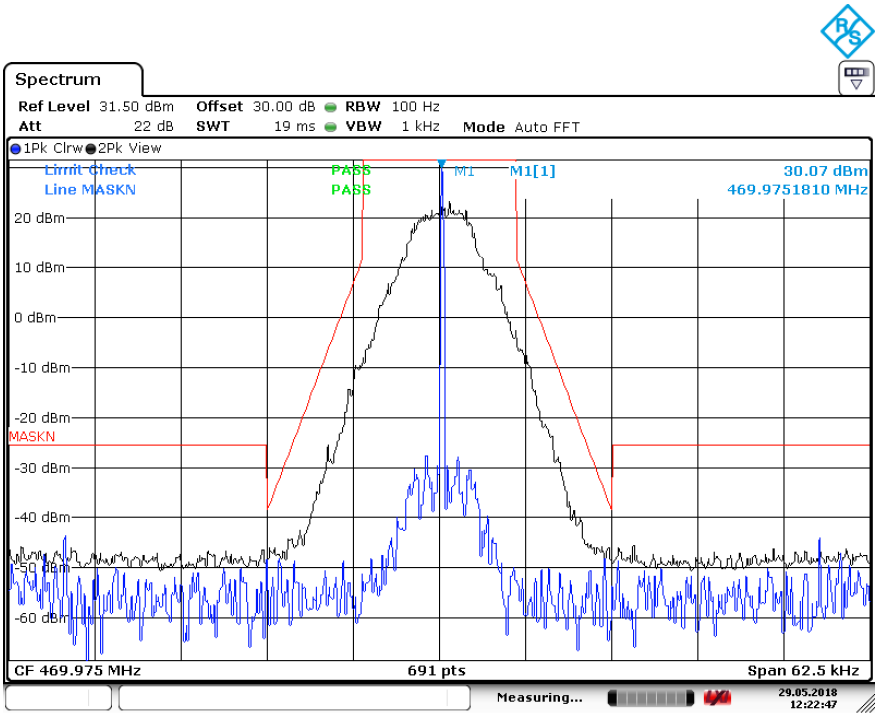


Date: 29.MAY.2018 09:55:44

12.5KHz, Digital modulation, Assigned Frequency: 469.975MHz, High Power



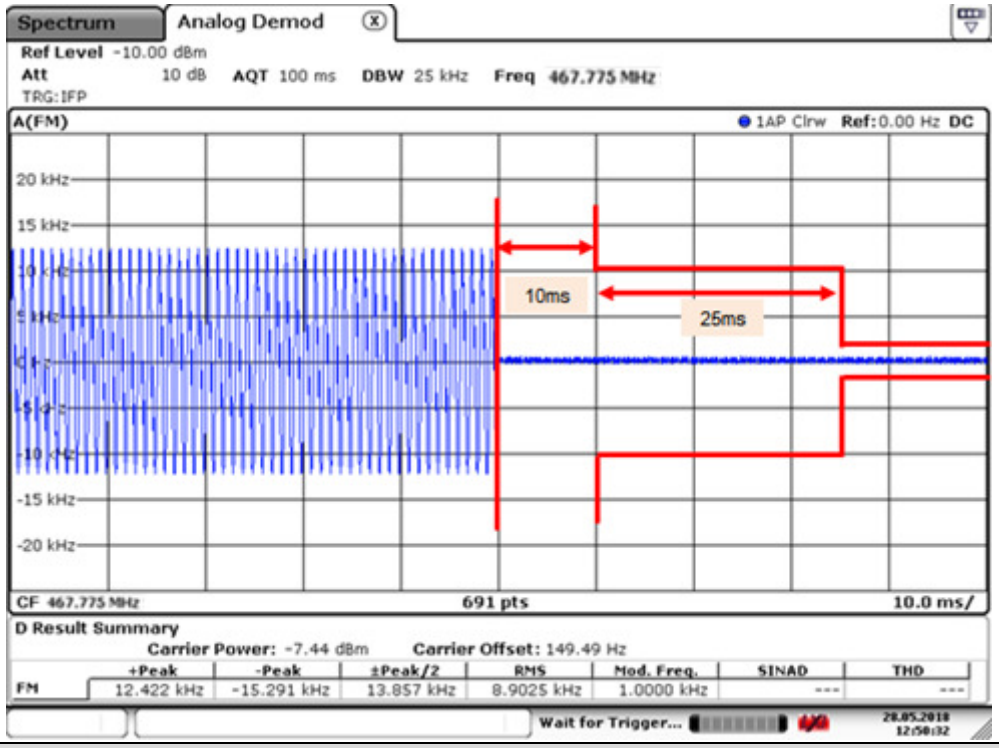
12.5KHz, Digital modulation, Assigned Frequency:469.975MHz, Low Power



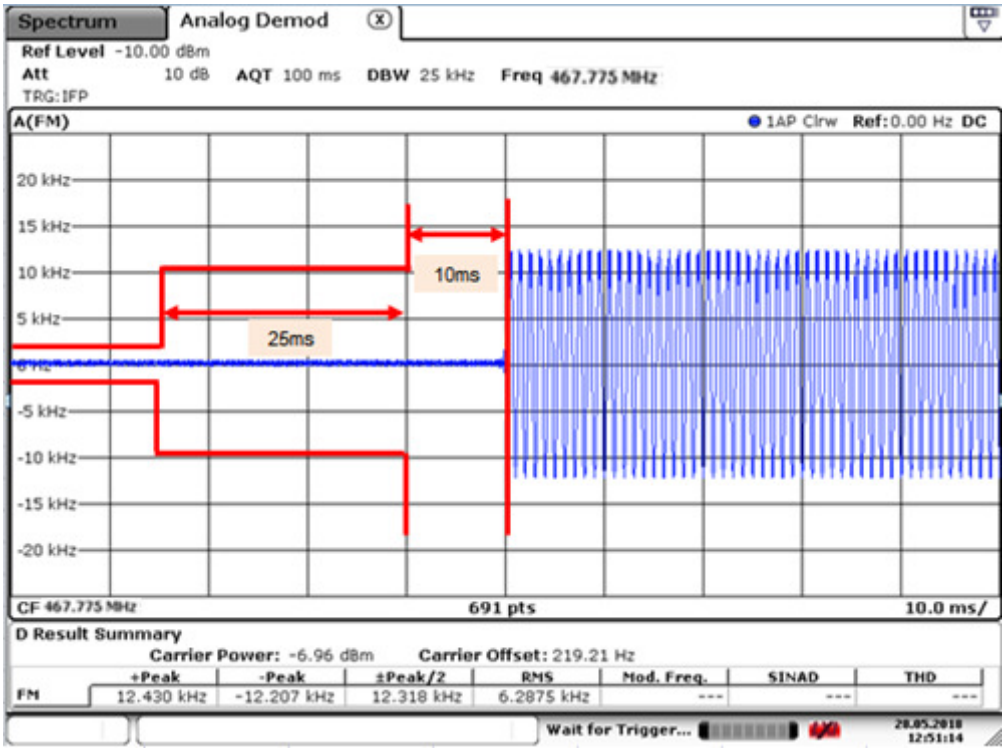
Date: 29.MAY.2018 12:22:47

8.Transient Frequency Behavior

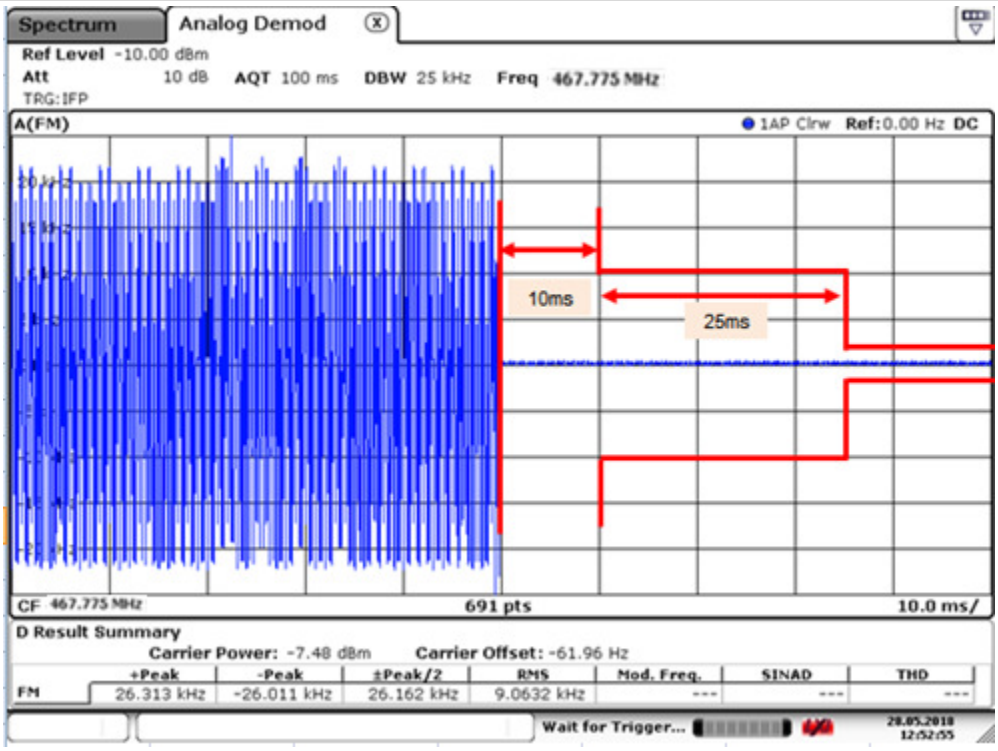
12.5KHz, Analog modulation, Assigned Frequency: 467.775MHz,Turn On



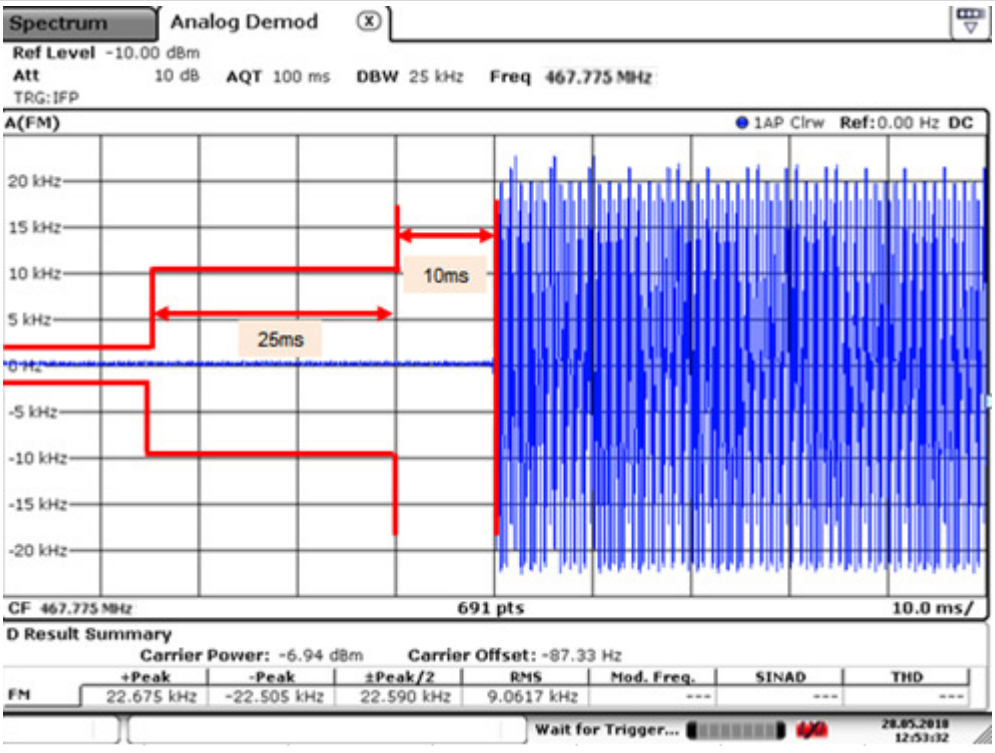
12.5KHz, Analog modulation, Assigned Frequency: 467.775MHz, Turn Off



25KHz, Analog modulation, Assigned Frequency: 467.775MHz, Turn On



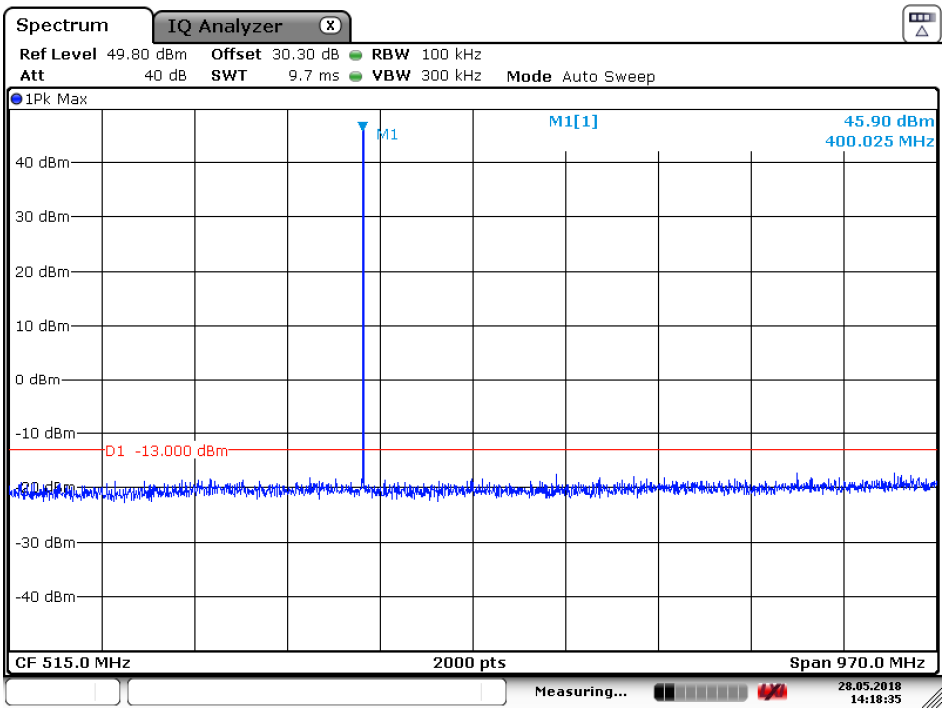
25KHz, Analog modulation, Assigned Frequency:467.775MHz, Turn Off



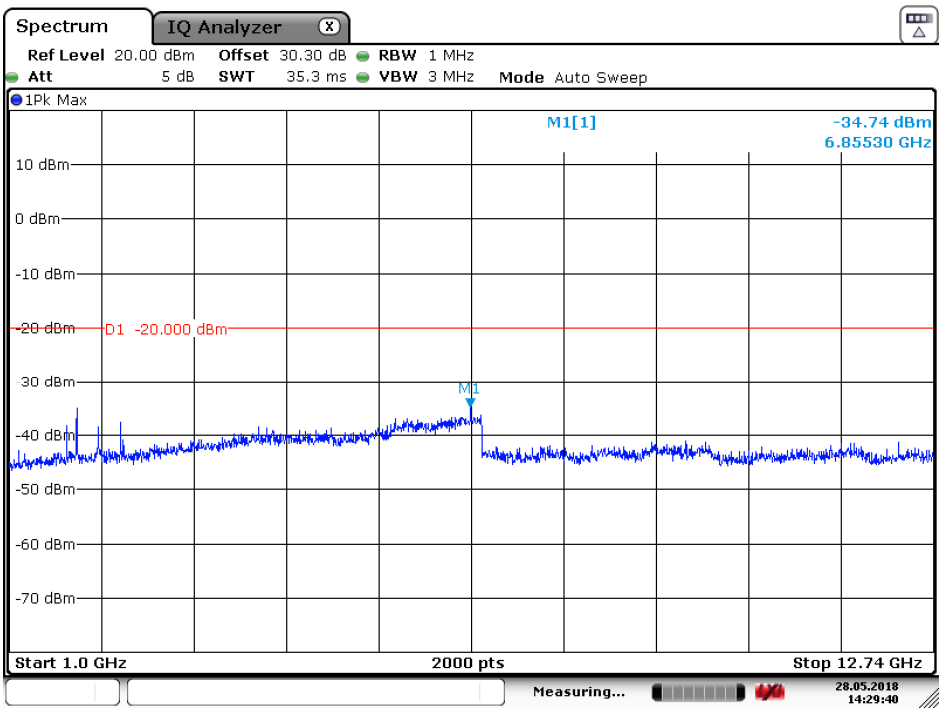
9.Conducted Spurious Emission

--Remark: Add the HPF(>600MHz) for 1G~12.75G Spurious Emission testing

25KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power

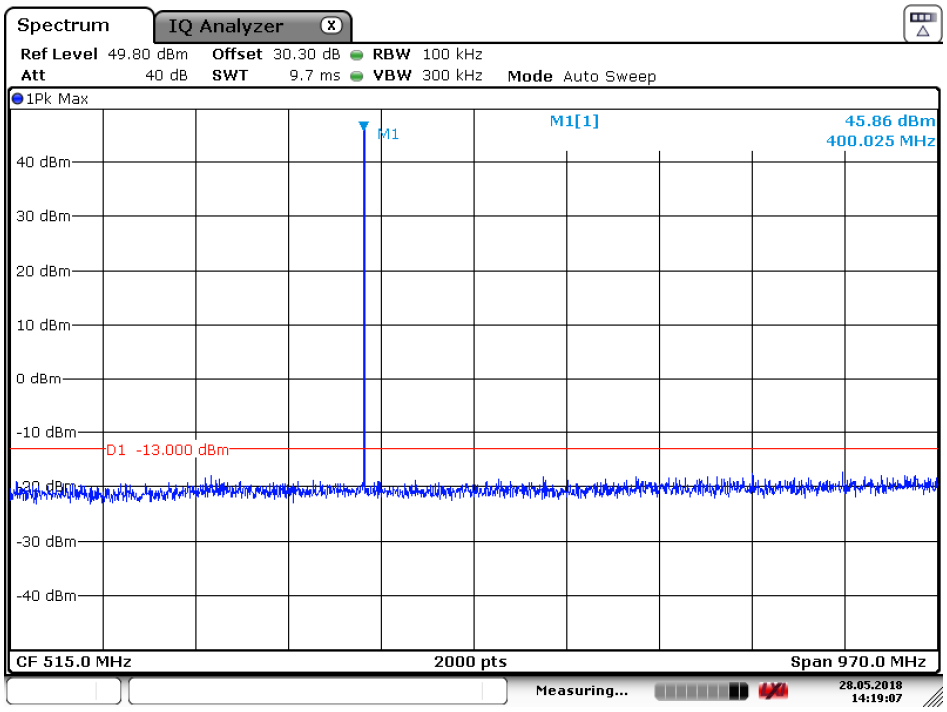


Date: 28.MAY.2018 14:18:35

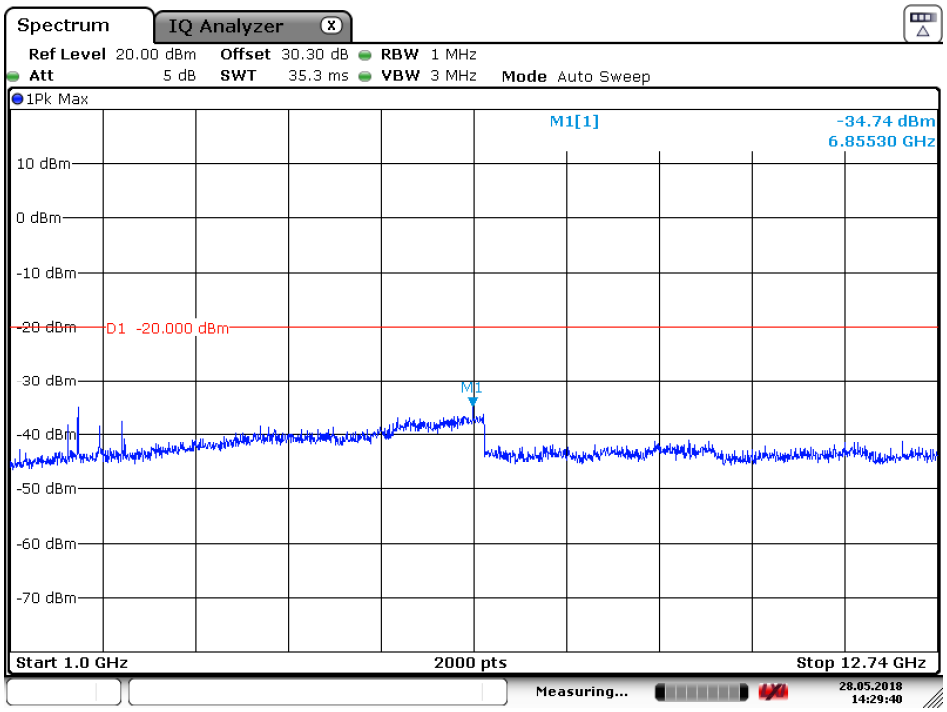


Date: 28.MAY.2018 14:29:40

12.5KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power

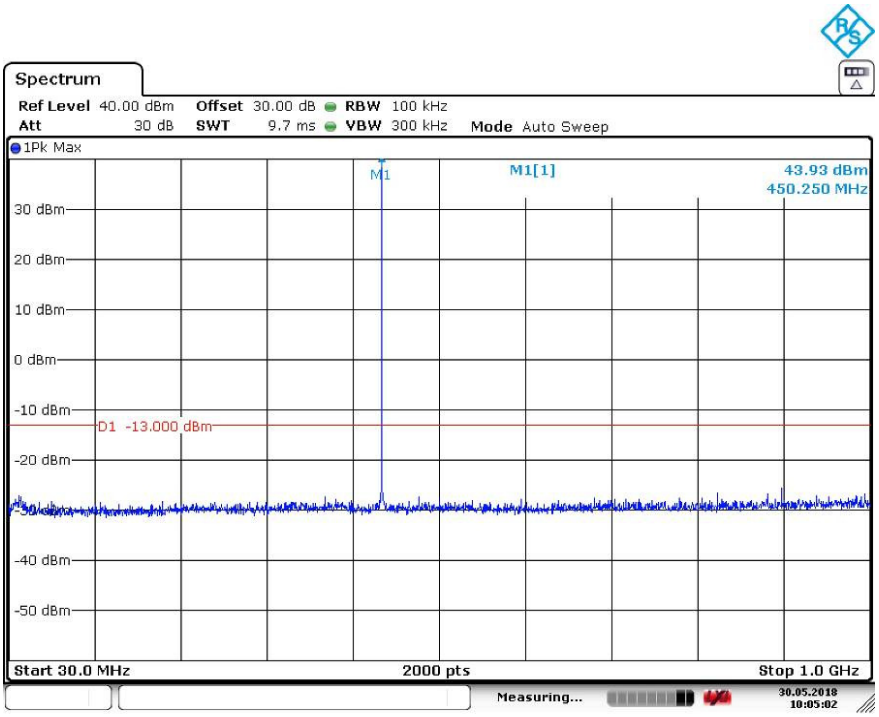


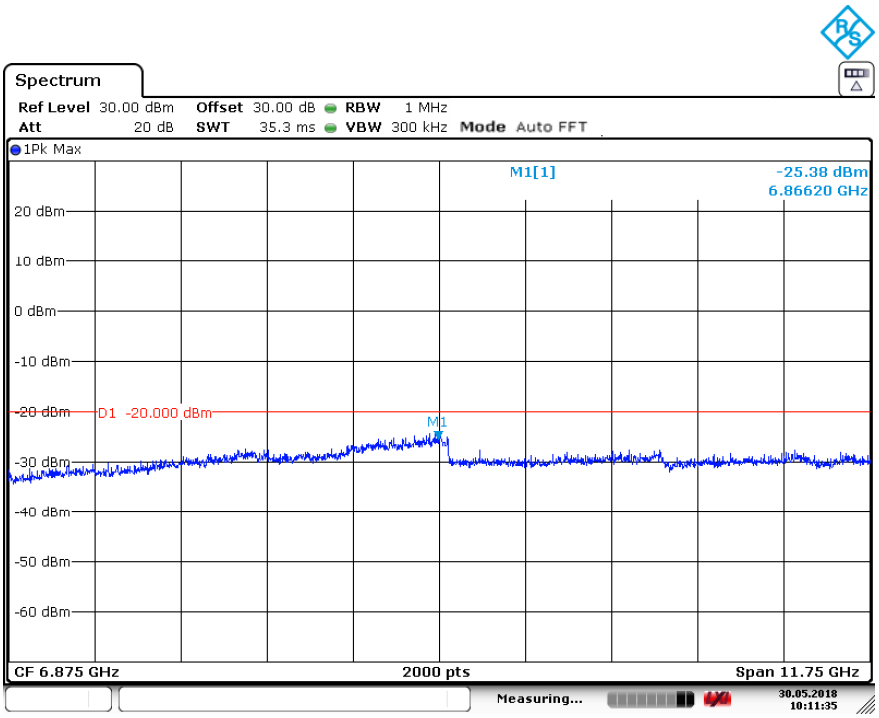
Date: 28.MAY.2018 14:19:07



Date: 28.MAY.2018 14:29:40

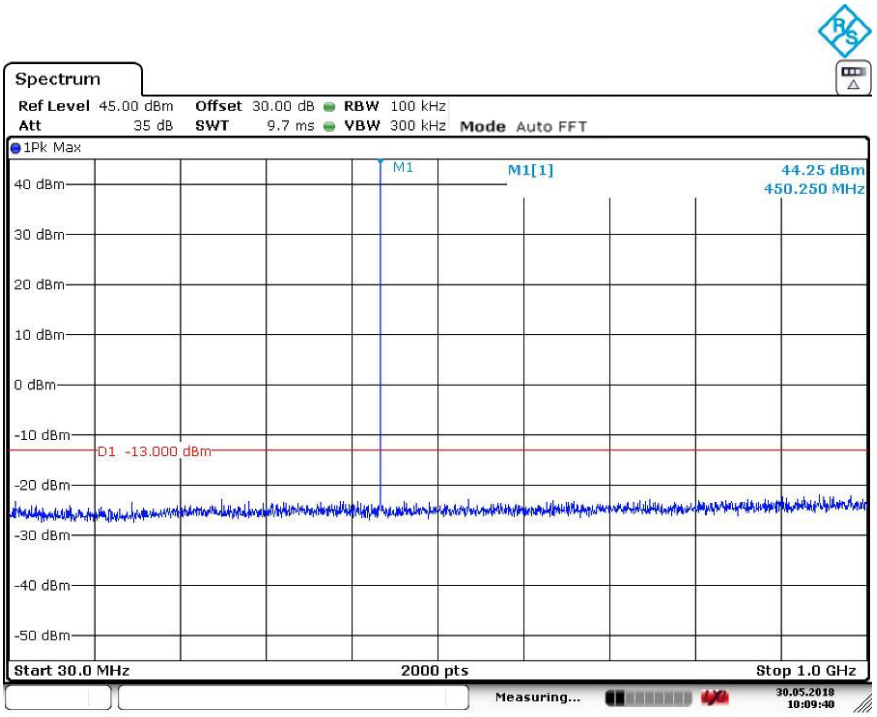
25KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power

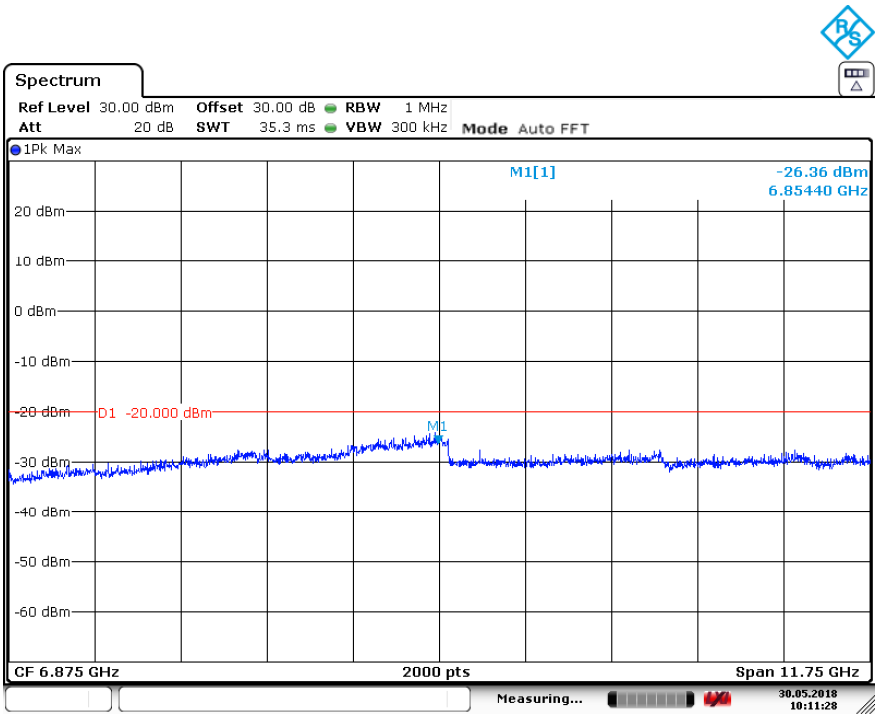




Date: 30.MAY.2018 10:11:36

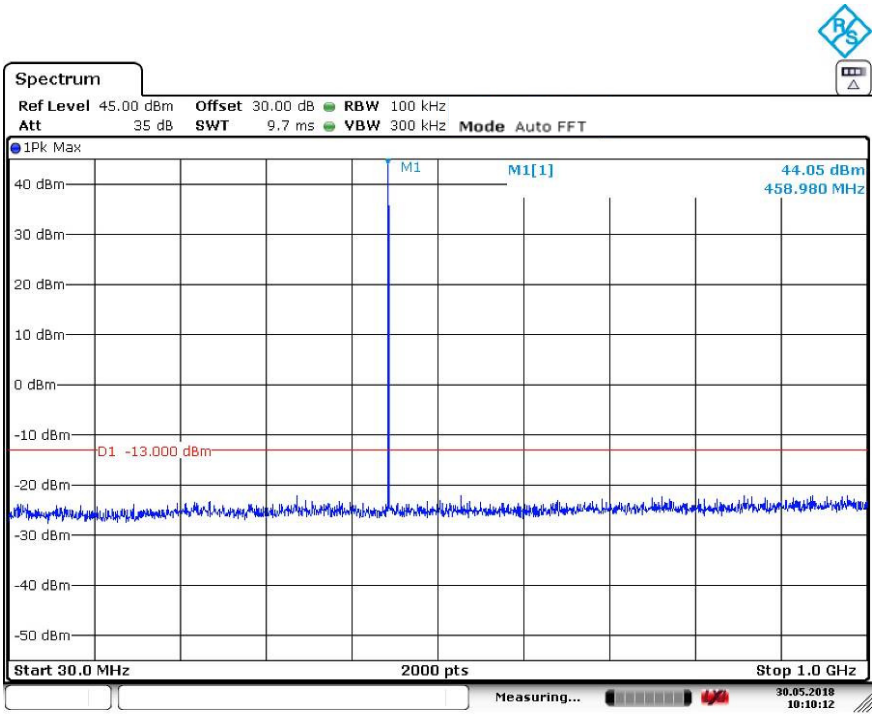
12.5KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power

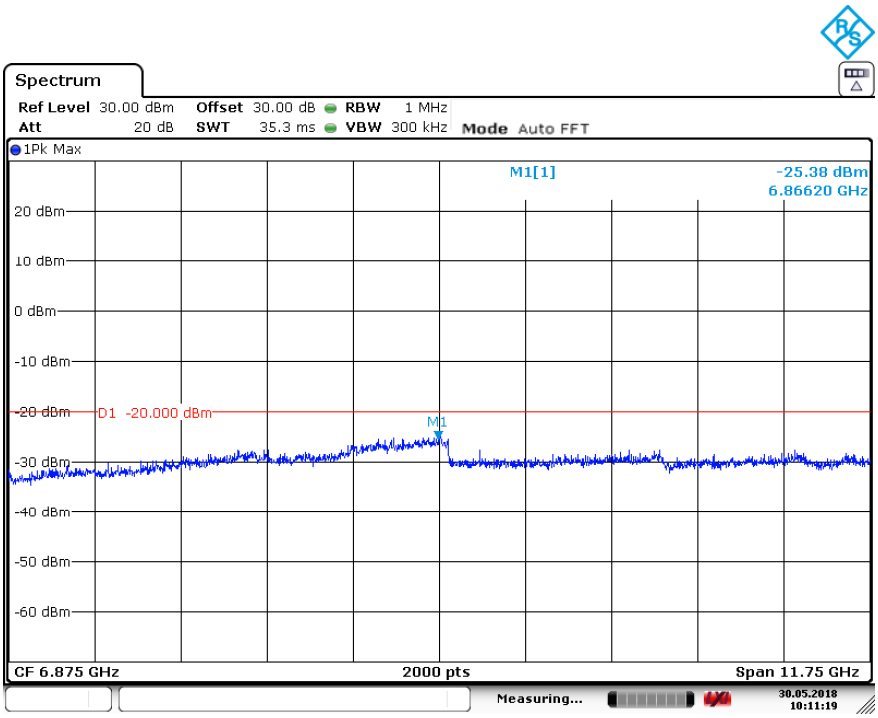




Date: 30.MAY.2018 10:11:29

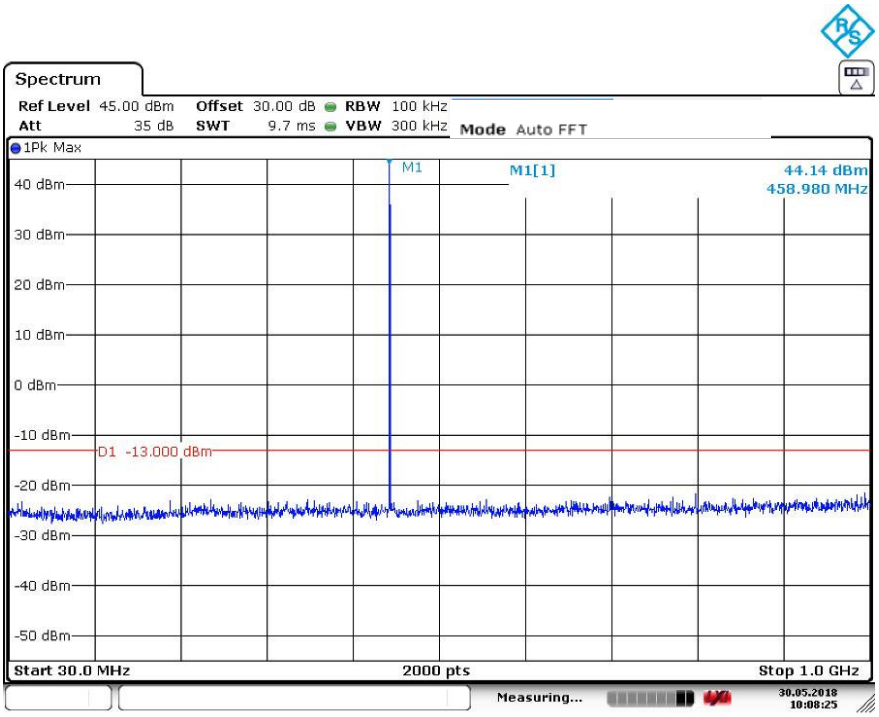
25KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power

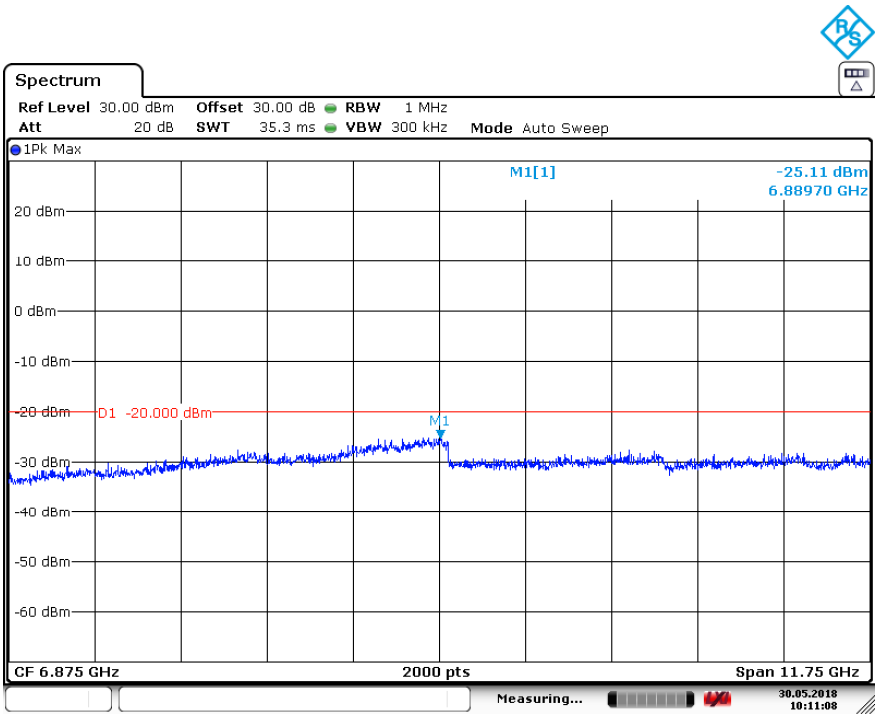




Date: 30.MAY.2018 10:11:19

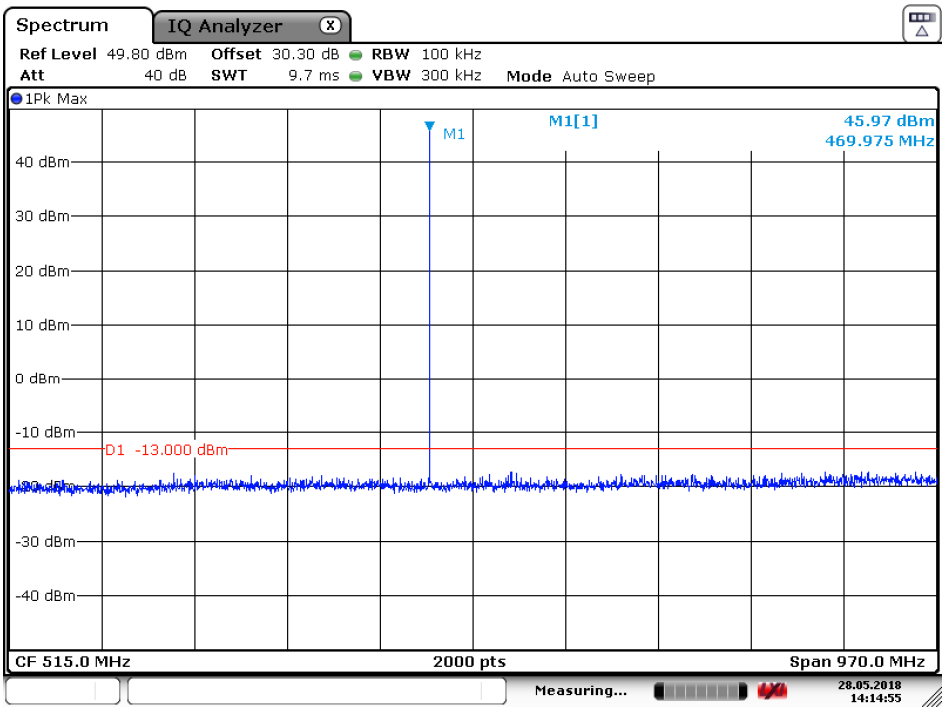
12.5KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power



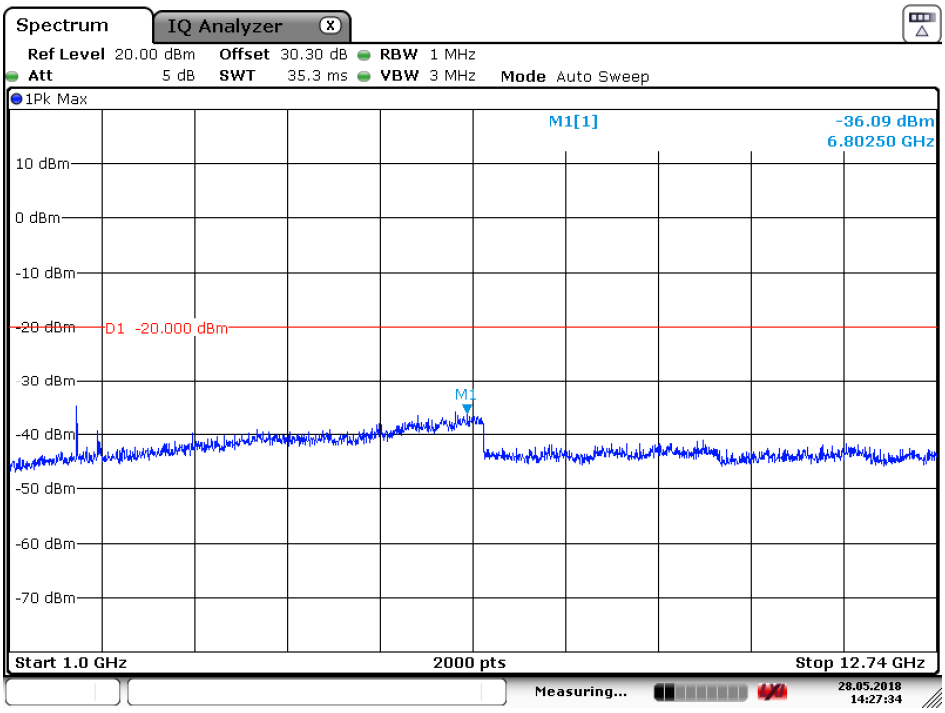


Date: 30.MAY.2018 10:11:08

25KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power

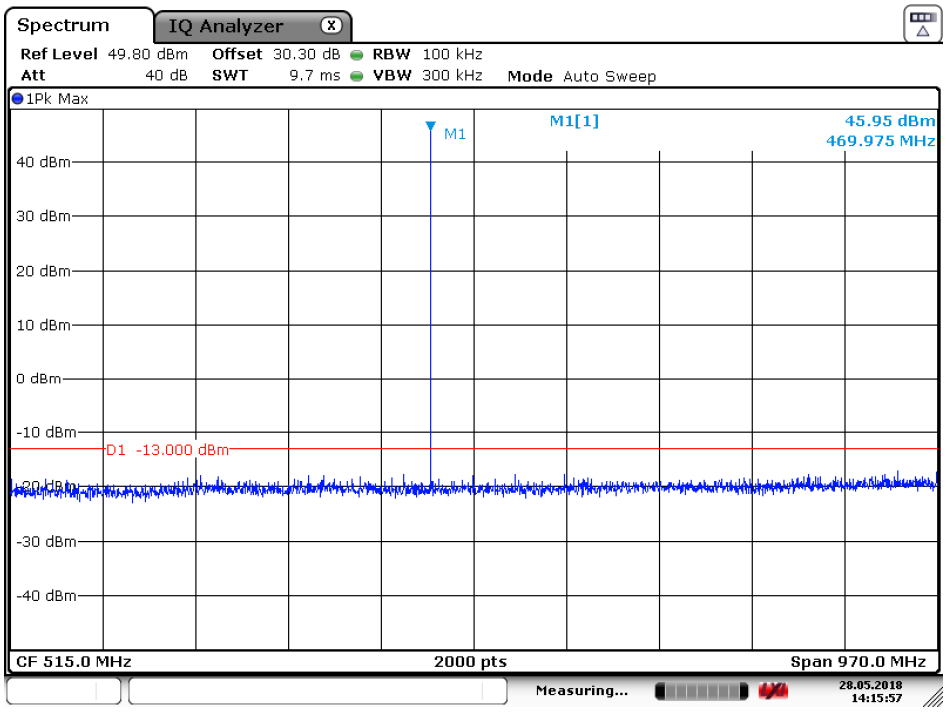


Date: 28.MAY.2018 14:14:55

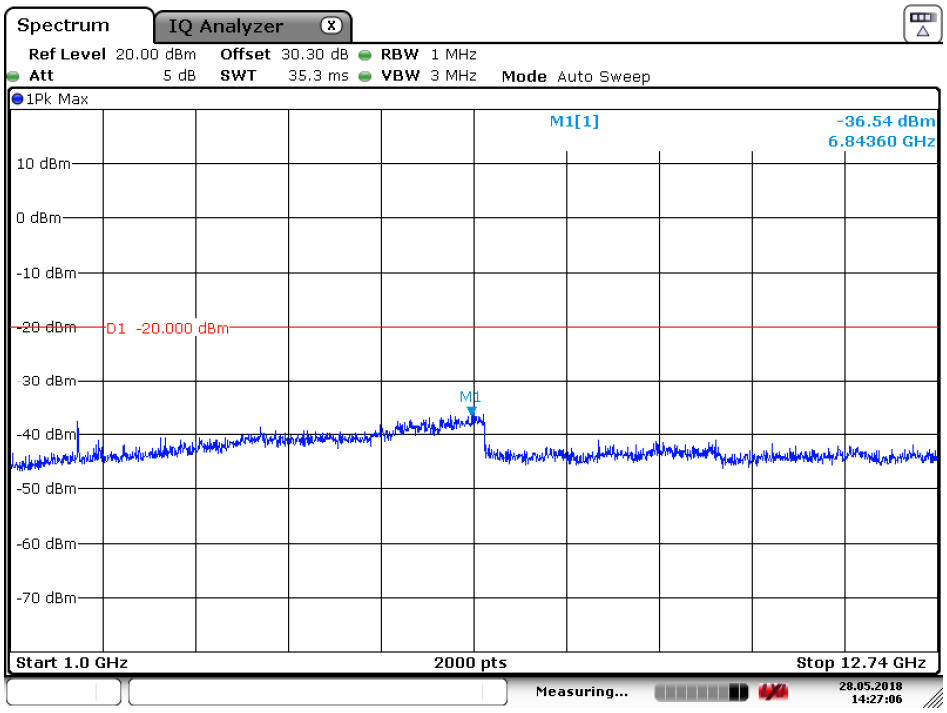


Date: 28.MAY.2018 14:27:34

12.5KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power



Date: 28.MAY.2018 14:15:56



Date: 28.MAY.2018 14:27:06

10.Radiated Spurious Emission

12.5KHz, Analog modulation, Assigned Frequency:400.025MHz, High Power				
Frequency MHz	Polarity H/V	Emission Level dBm	Limit dBm	Over Limit dBm
1201.149	H	-26.23	-20.00	-6.23
6799.064	H	-30.35	-20.00	-10.35
7604.867	H	-30.58	-20.00	-10.58
7604.867	V	-24.12	-20.00	-4.12
8002.061	V	-28.33	-20.00	-8.33
8398.593	V	-31.28	-20.00	-11.28

12.5KHz, Analog modulation, Assigned Frequency:450.025MHz, High Power				
Frequency MHz	Polarity H/V	Emission Level dBm	Limit dBm	Over Limit dBm
1286.606	H	-27.57	-20.00	-7.57
7721.909	H	-31.42	-20.00	-11.42
8145.925	H	-35.29	-20.00	-15.29
1286.606	V	-36.6	-20.00	-16.6
7721.909	V	-30.14	-20.00	-10.14
8145.925	V	-30.14	-20.00	-10.14

12.5KHz, Analog modulation, Assigned Frequency:459.125MHz, High Power				
Frequency MHz	Polarity H/V	Emission Level dBm	Limit dBm	Over Limit dBm
1221.143	H	-26.04	-20.00	-6.04
6792.065	H	-30.16	-20.00	-10.16
7624.827	H	-30.39	-20.00	-10.39
7614.827	V	-23.93	-20.00	-3.93
8032.066	V	-28.14	-20.00	-8.14
8391.595	V	-31.09	-20.00	-11.09

12.5KHz, Analog modulation, Assigned Frequency:469.975MHz, High Power				
Frequency MHz	Polarity H/V	Emission Level dBm	Limit dBm	Over Limit dBm
1286.601	H	-25.99	-20.00	-5.99
7721.904	H	-30.11	-20.00	-10.11
8145.929	H	-30.34	-20.00	-10.34
1286.603	V	-23.88	-20.00	-3.88
7721.905	V	-28.09	-20.00	-8.09
8145.922	V	-31.04	-20.00	-11.04

Note: Margin = Emission level – Limit.

All modes have been tested and we found 12.5KHz bandwidth, analog modulation has the worst test result. Only record the worst test result.