

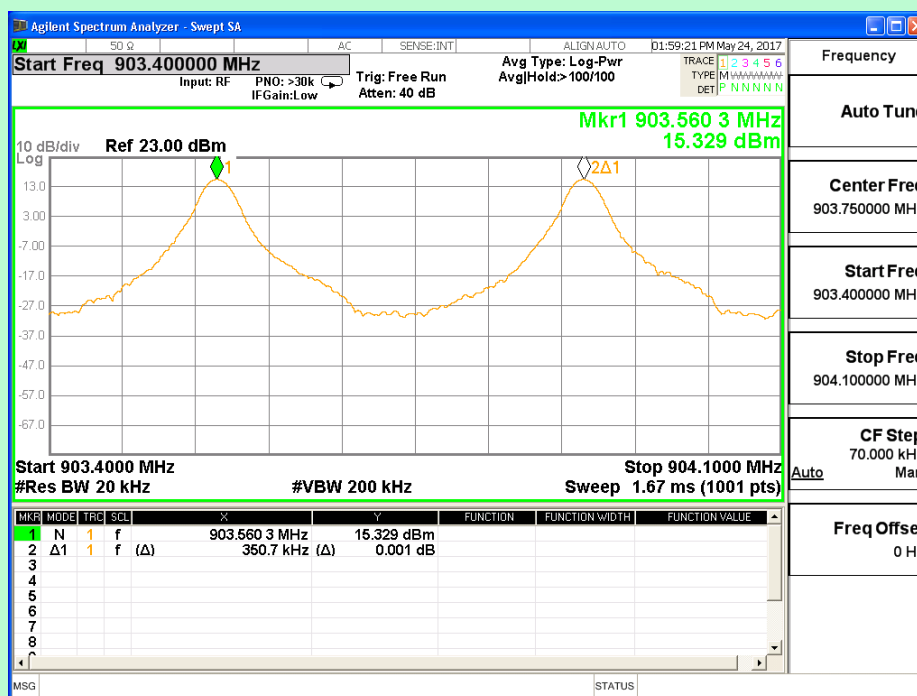
2.3 CARRIER FREQUENCY SEPERATION

EUT Nomenclature	Wireless Sync Module	Test Request No.	EMC0210-1
Model No.	W-SYNC	Serial No.	SM-RF01
Test Start Date	24-May-2017	Temperature (°C)	23.6 °C ± 1 °C
Test End Date	25-May-2017	Humidity RH (%)	51.9% ± 2% RH
Tested By	Sasikala	Pressure (mbar)	NR
Input Voltage / Freq.	24Vdc		
Operating Mode	Refer Page 5 for Operating Mode Table		
Test configuration	Refer Page 5 for Test Configuration Table		
Deviation from Std.	NA		
Applicable standard	FCC Part 15.247:2010		
Test Method	DA 00-705		
Comment	NA		
TEST DETAILS			
Method	Radiated ☐ Conducted ☒		
TEST PARAMETERS			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

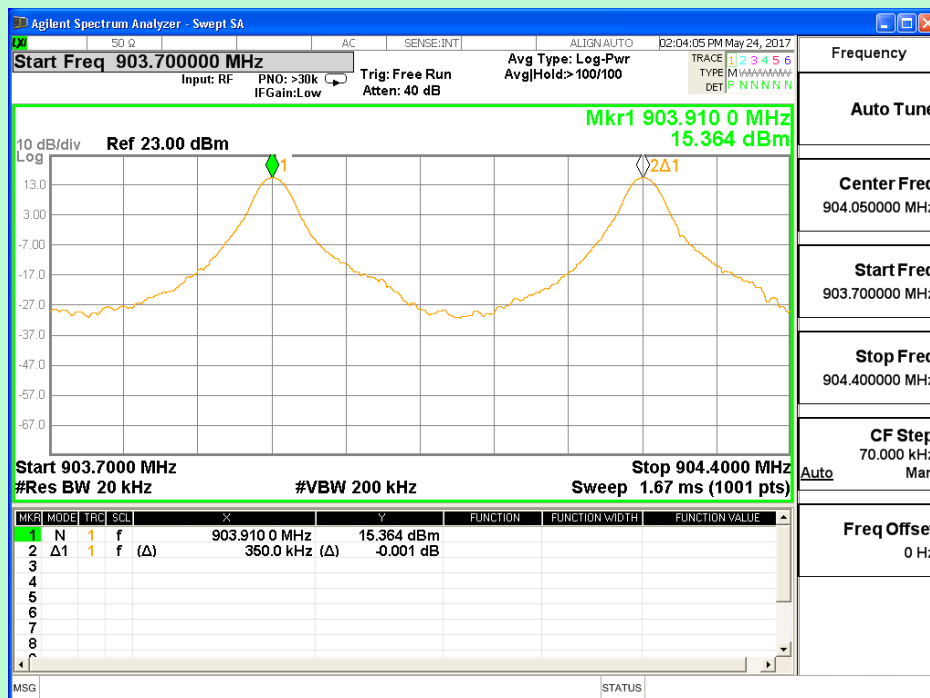
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	22-Feb-2018
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

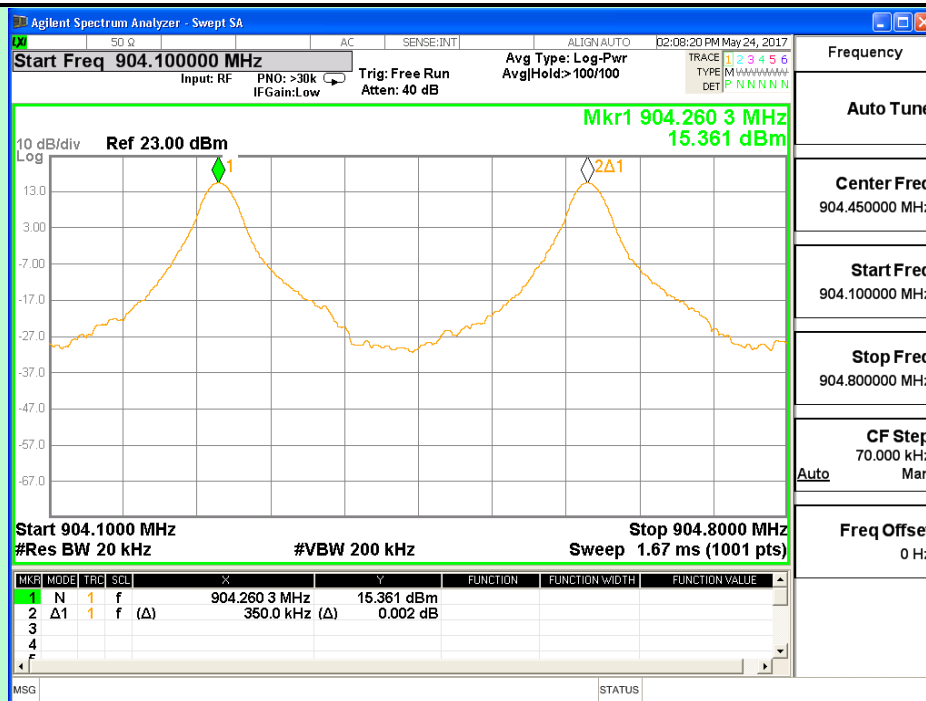
TEST GRAPHS



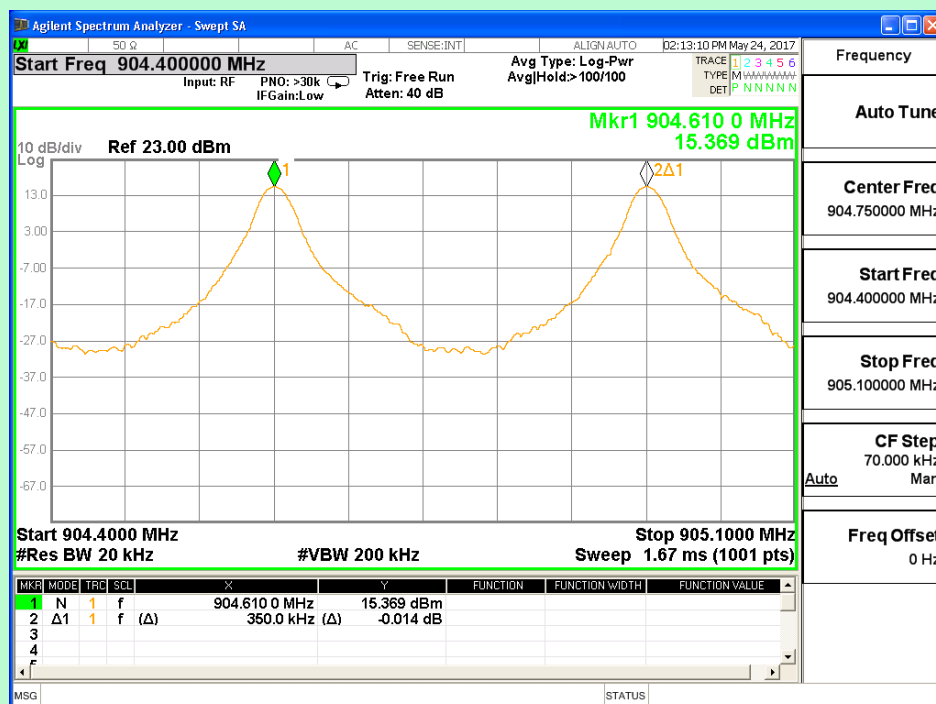
Channel 1 and 2



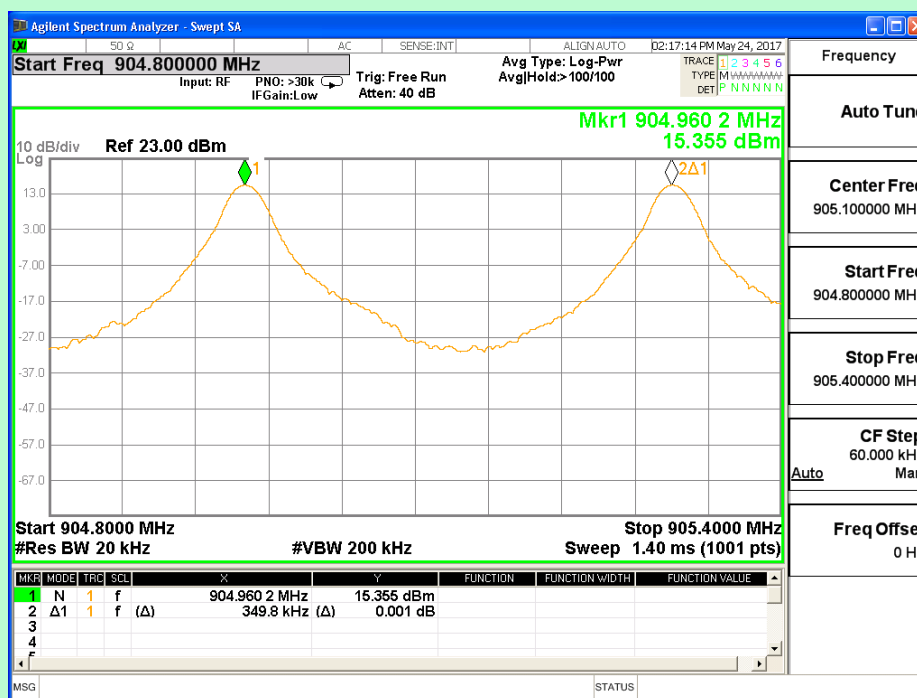
Channel 2 and 3



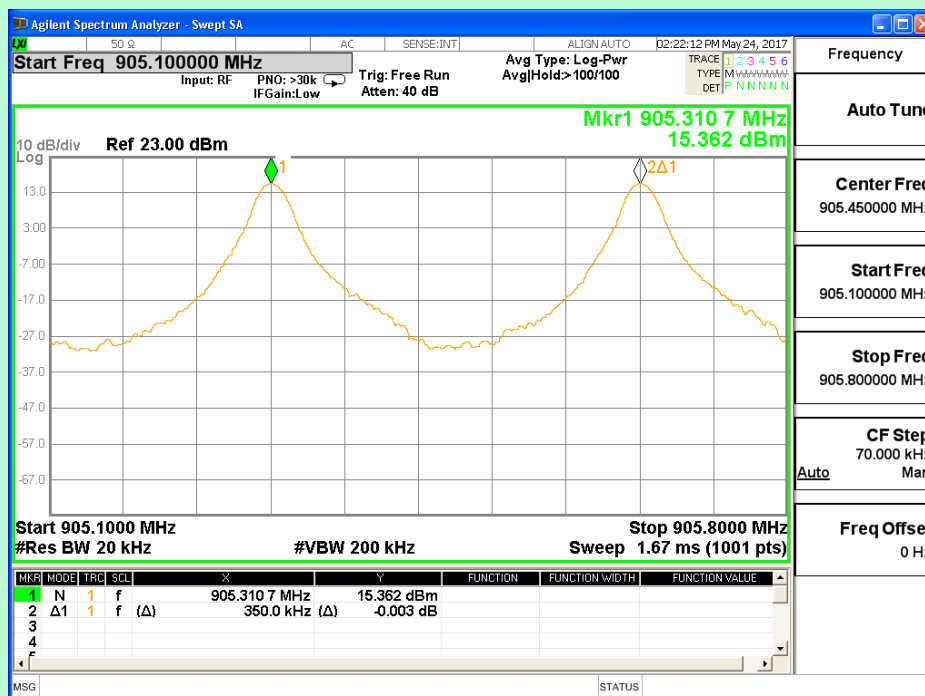
Channel 3 and 4



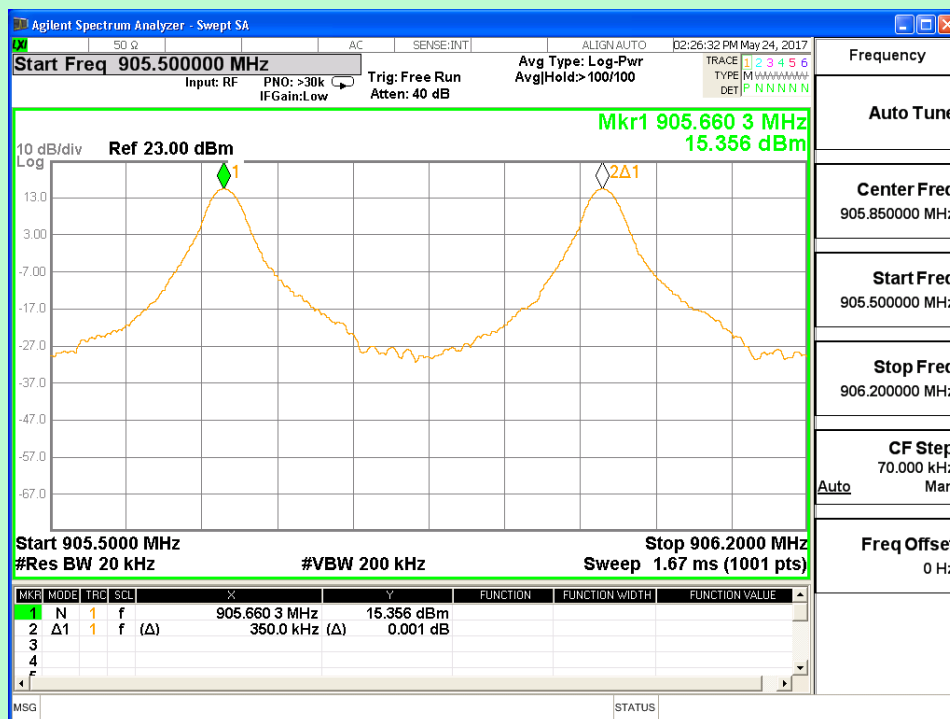
Channel 4 and 5



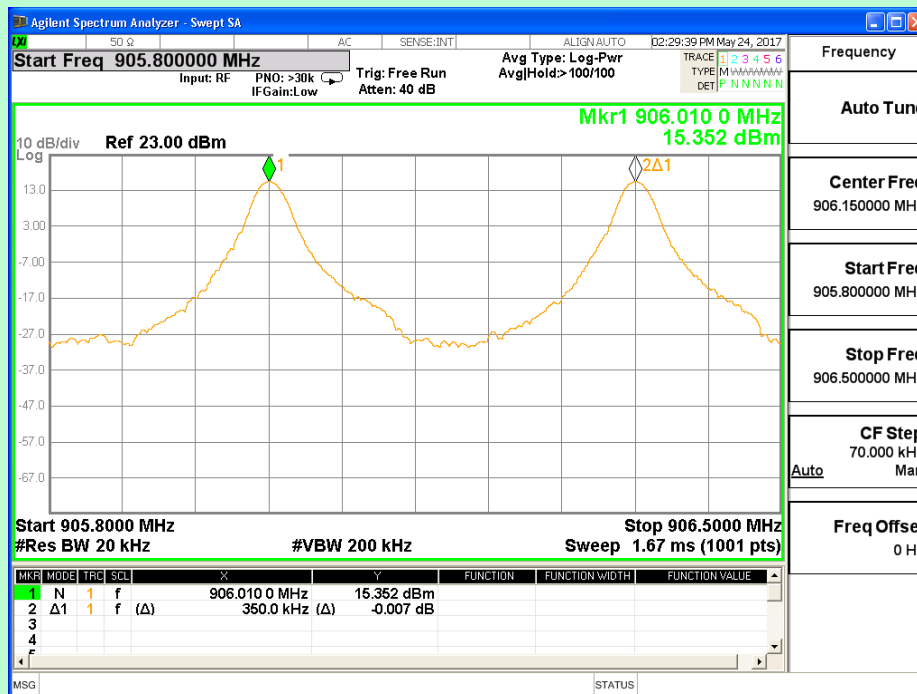
Channel 5 and 6



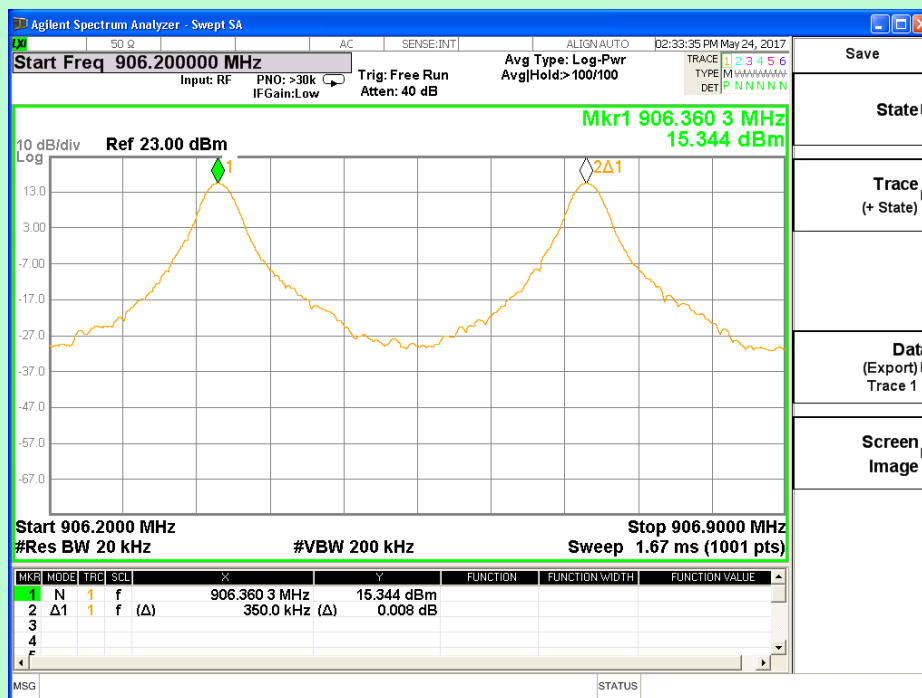
Channel 6 and 7



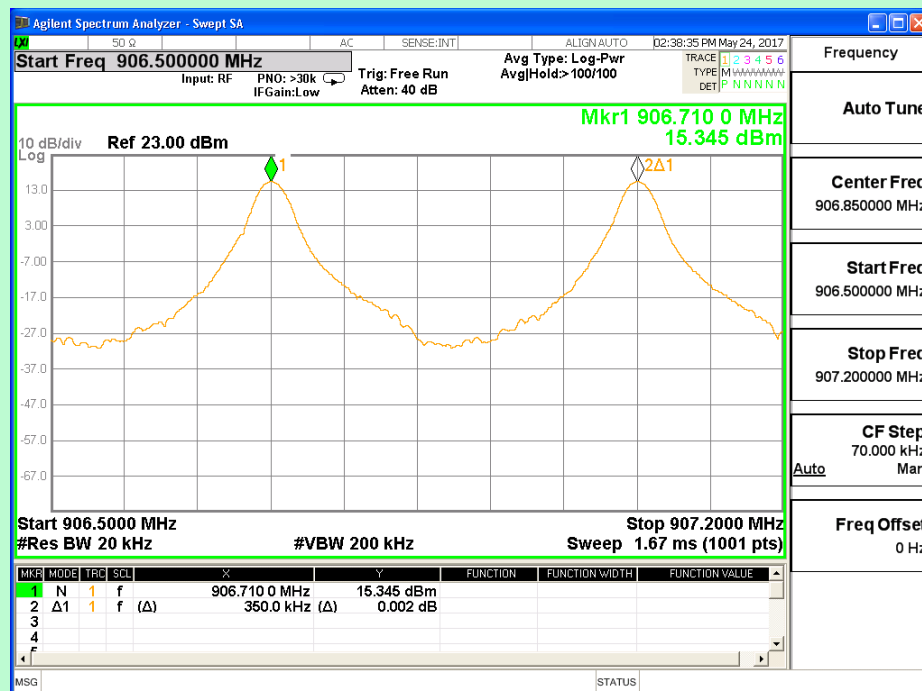
Channel 7 and 8



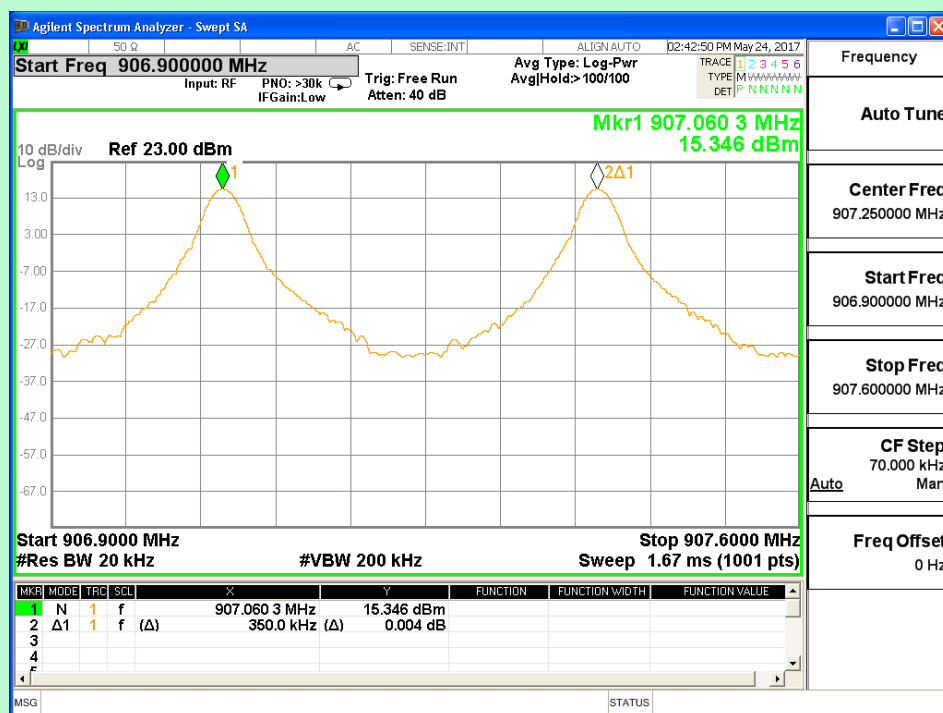
Channel 8 and 9



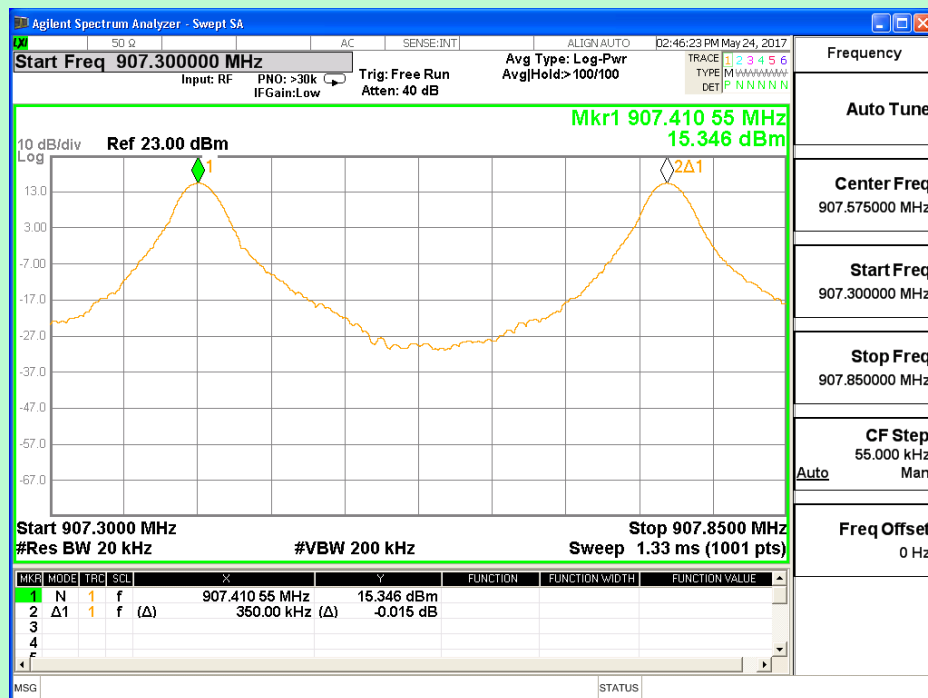
Channel 9 and 10



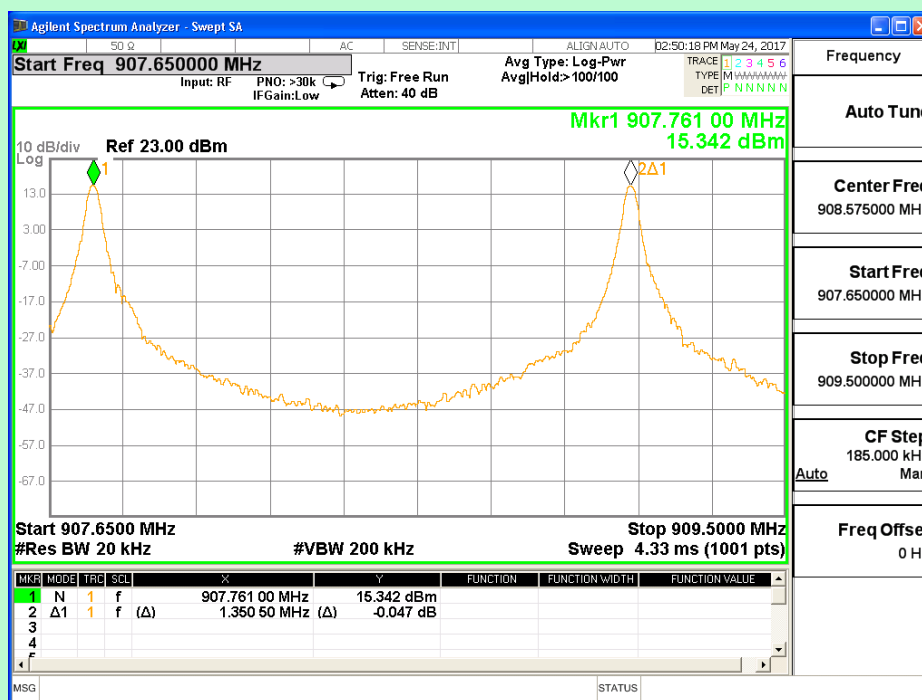
Channel 10 and 11



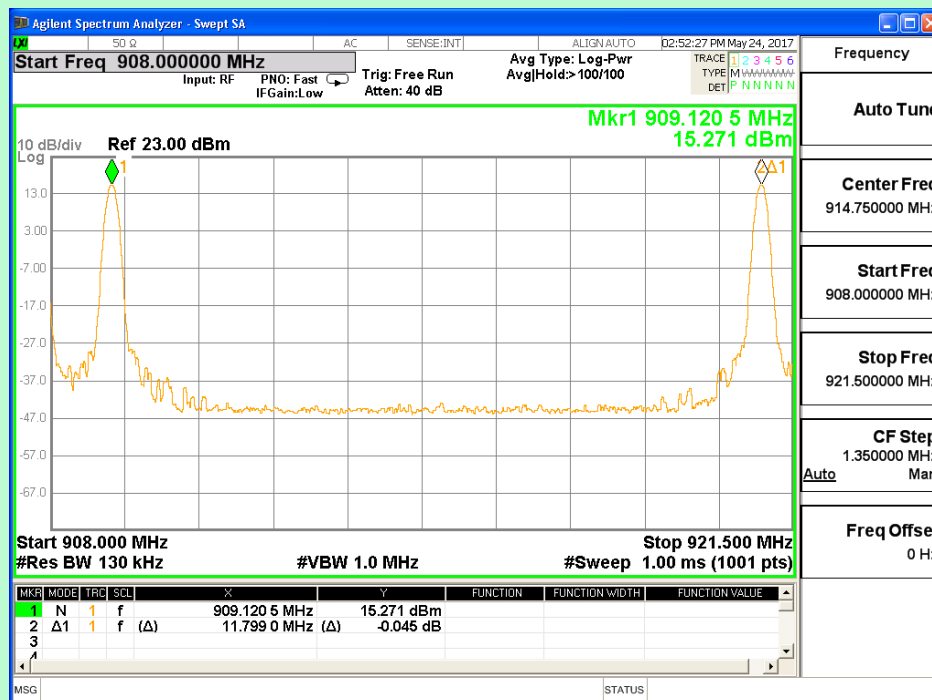
Channel 11 and 12



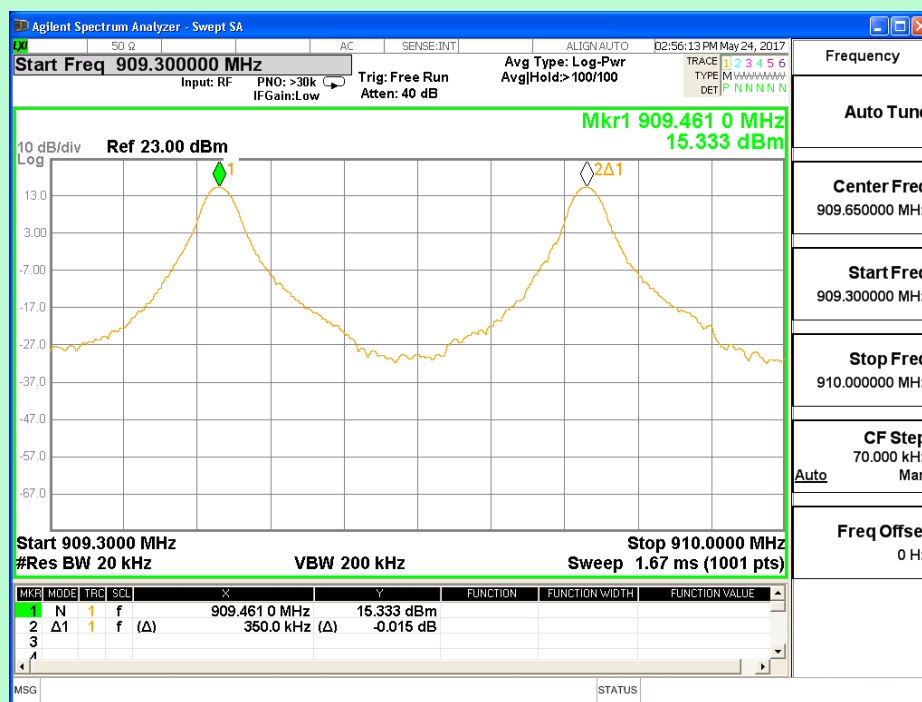
Channel 12 and 13



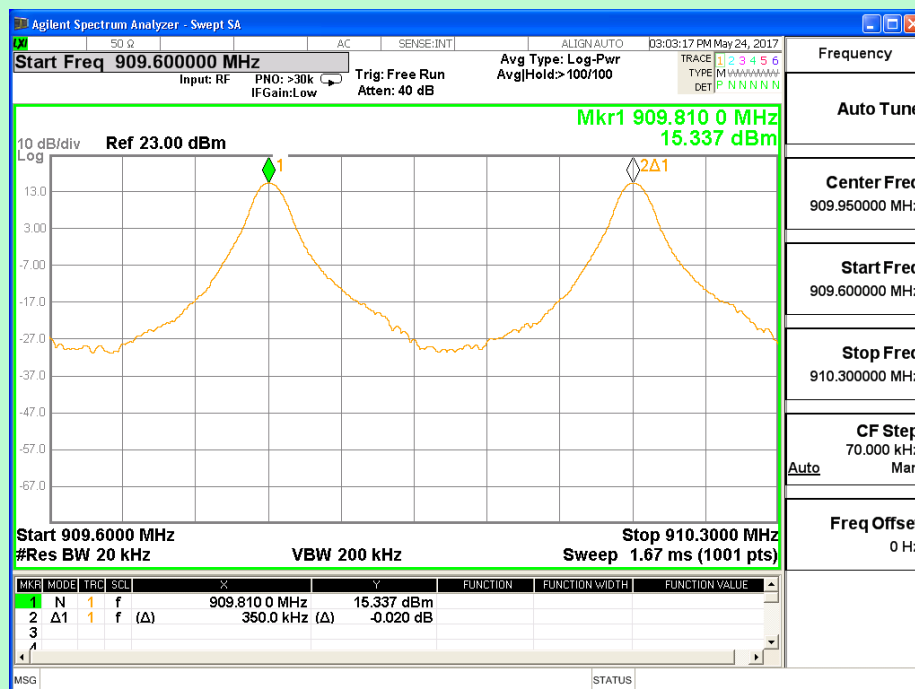
Channel 13 and 14



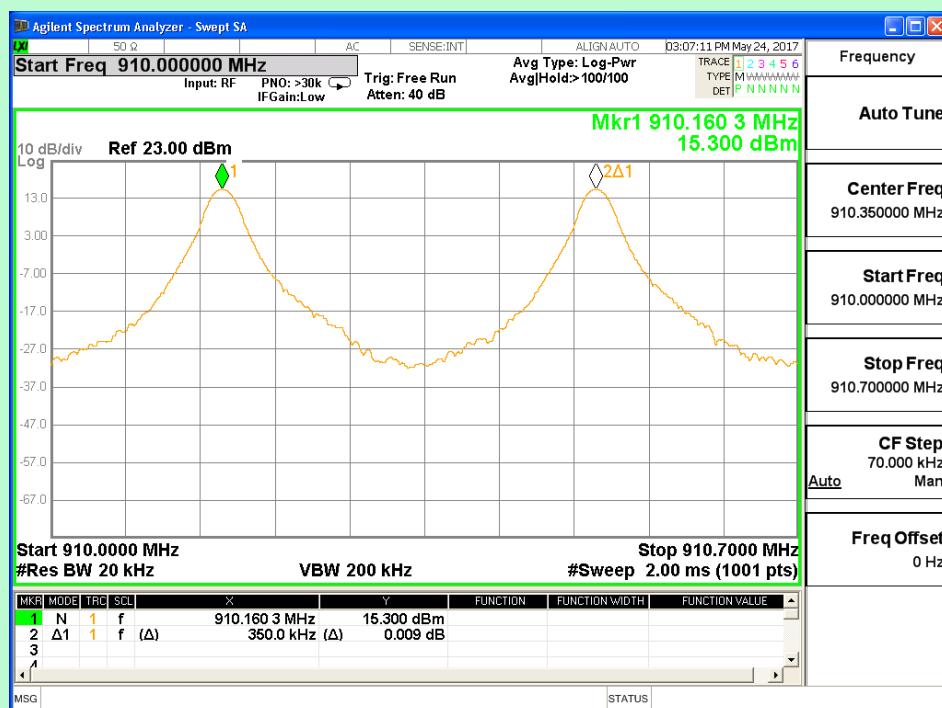
Channel 14 and 42



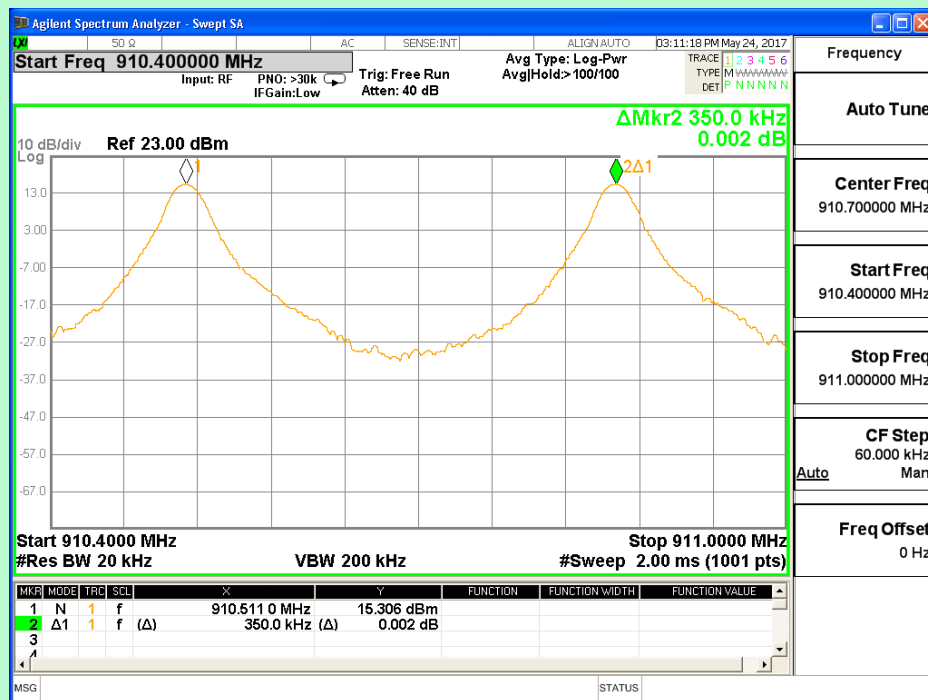
Channel 15 and 16



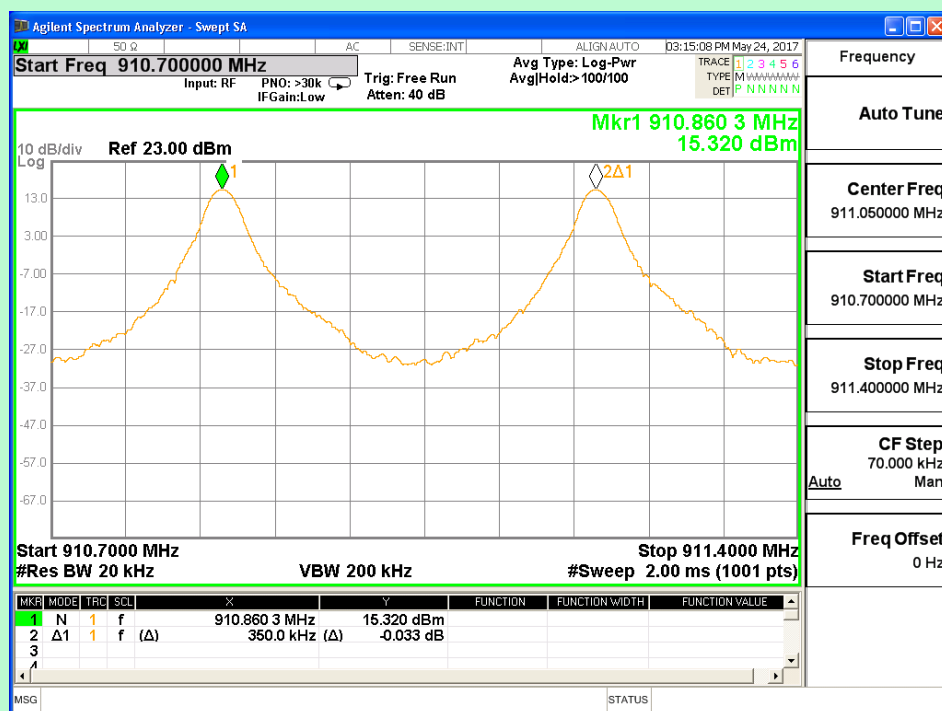
Channel 16 and 17



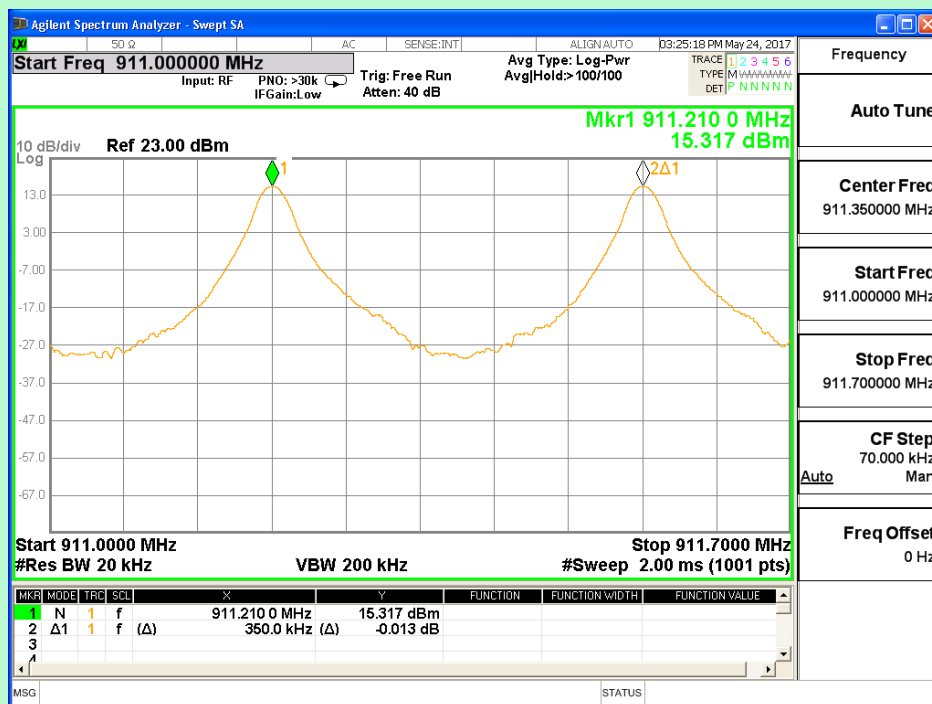
Channel 17 and 18



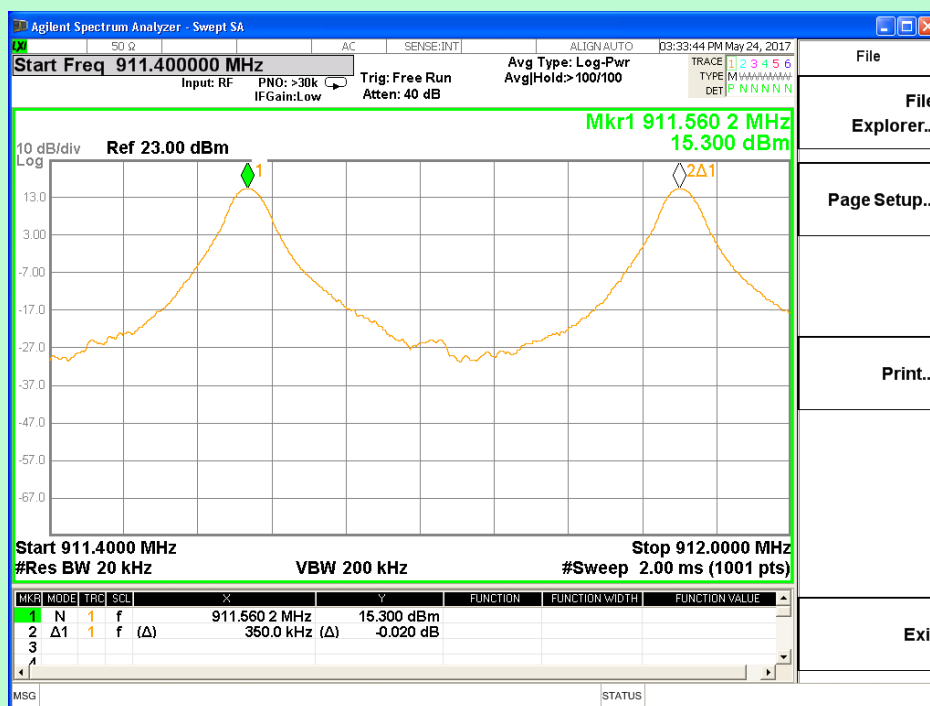
Channel 18 and 19



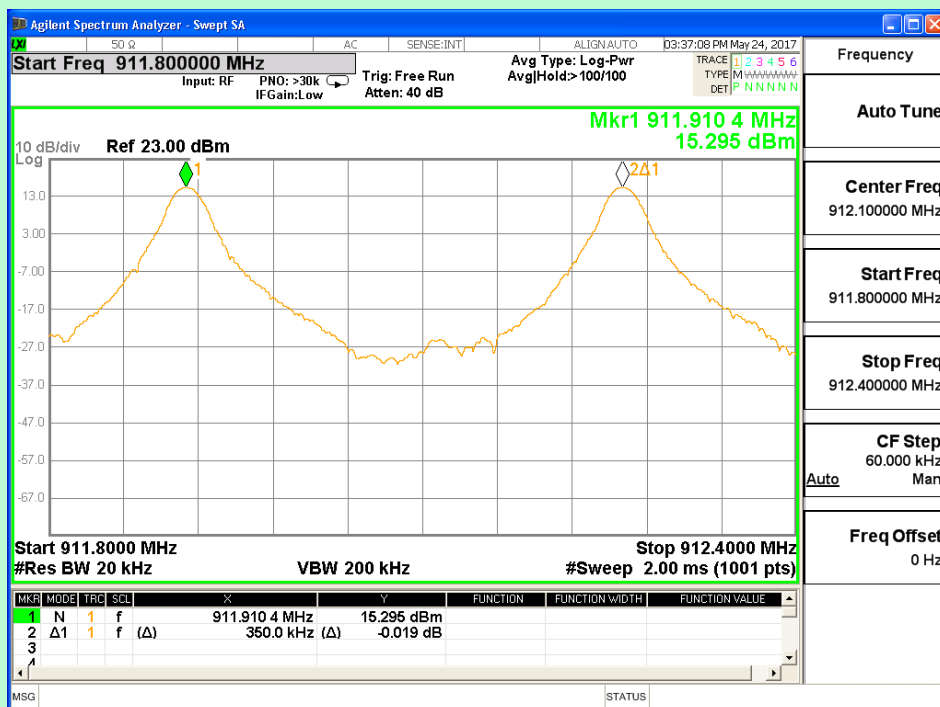
Channel 19 and 20



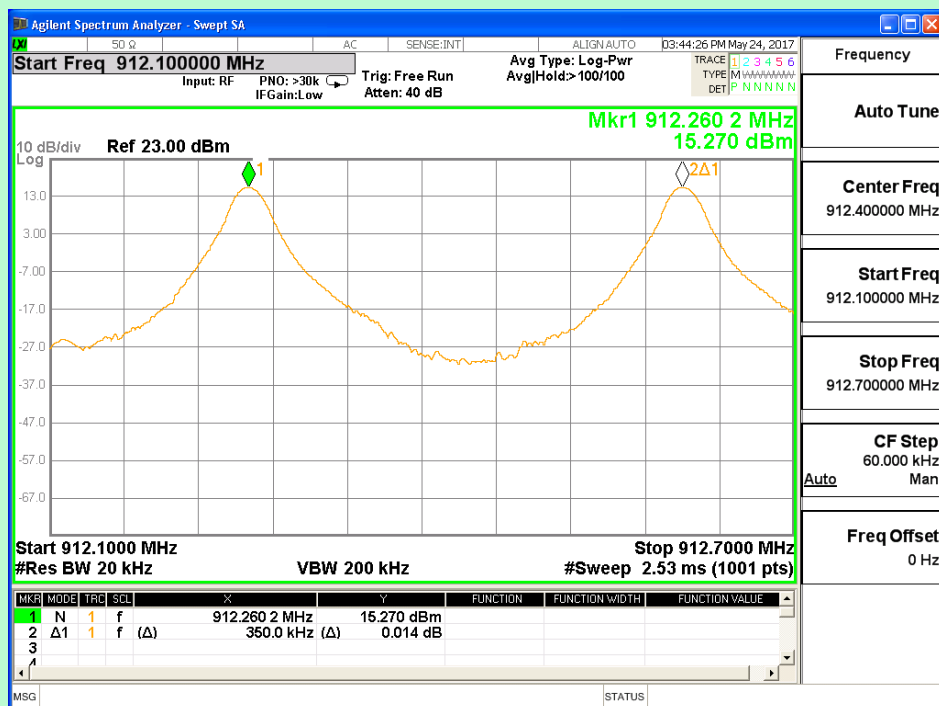
Channel 20 and 21



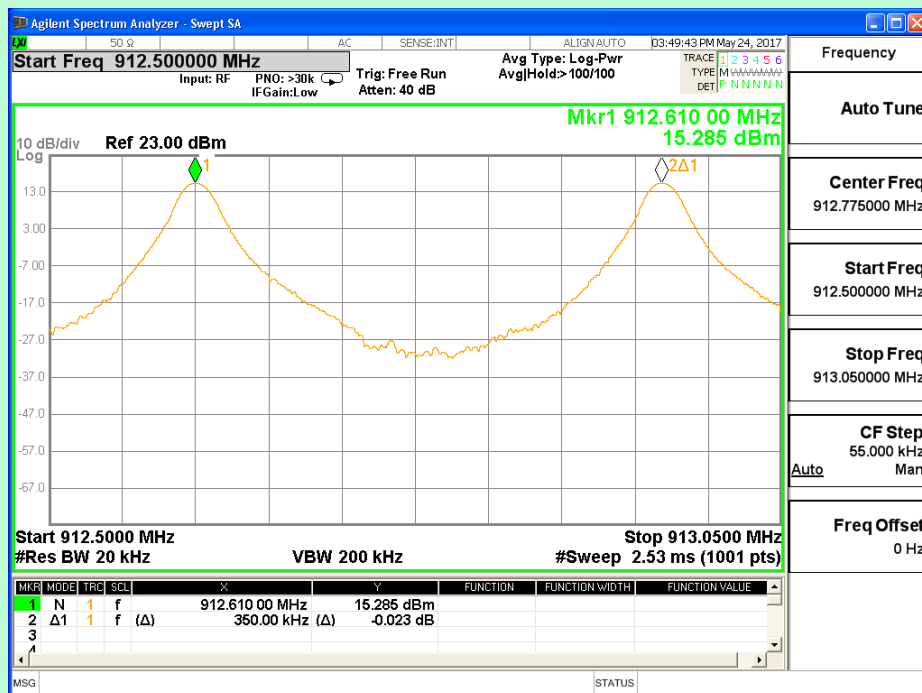
Channel 21 and 22



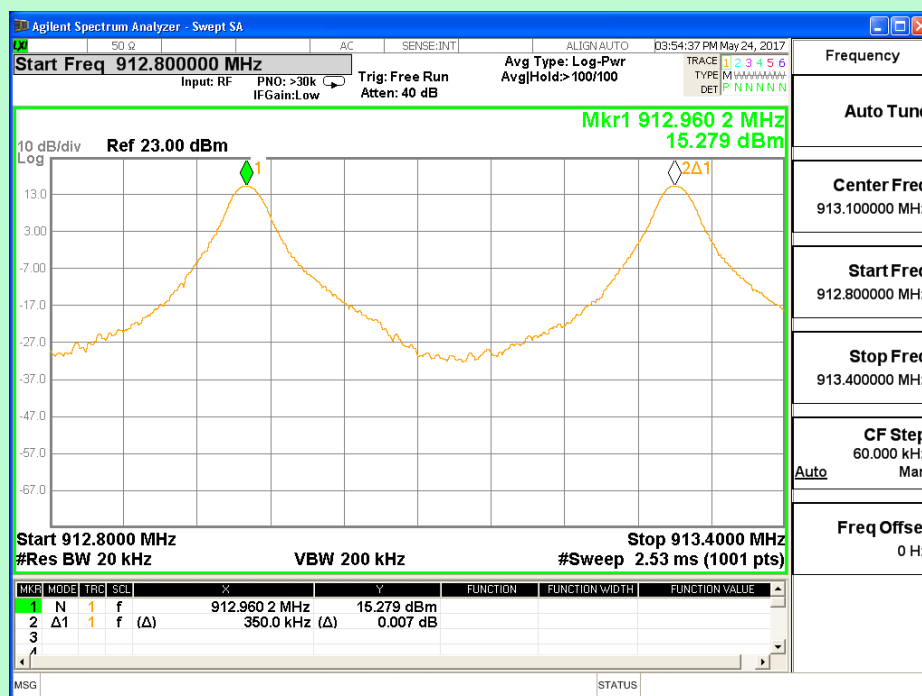
Channel 22 and 23



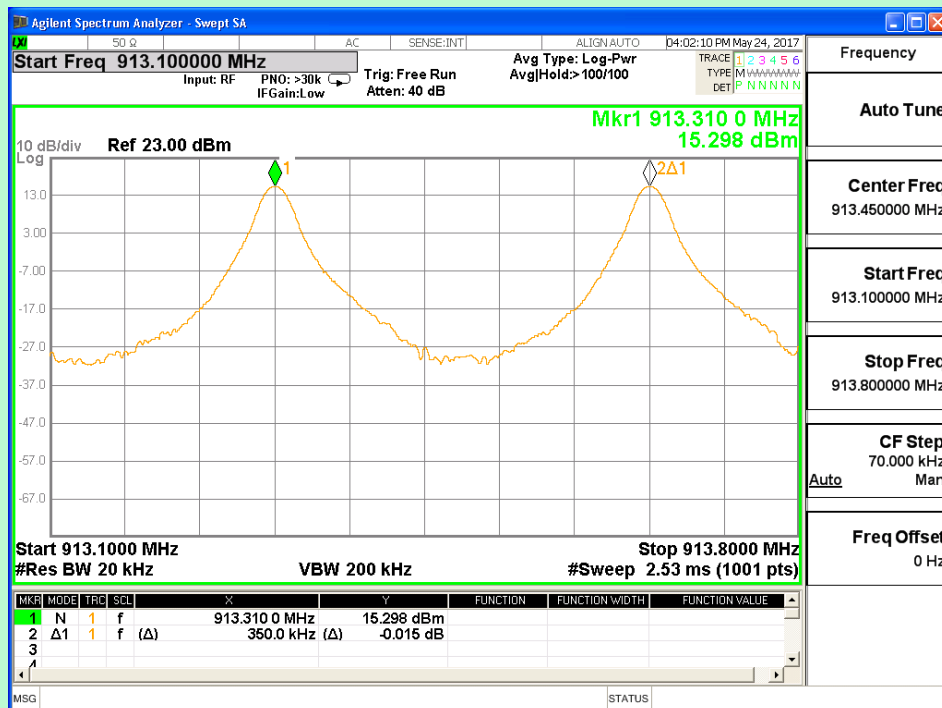
Channel 23 and 24



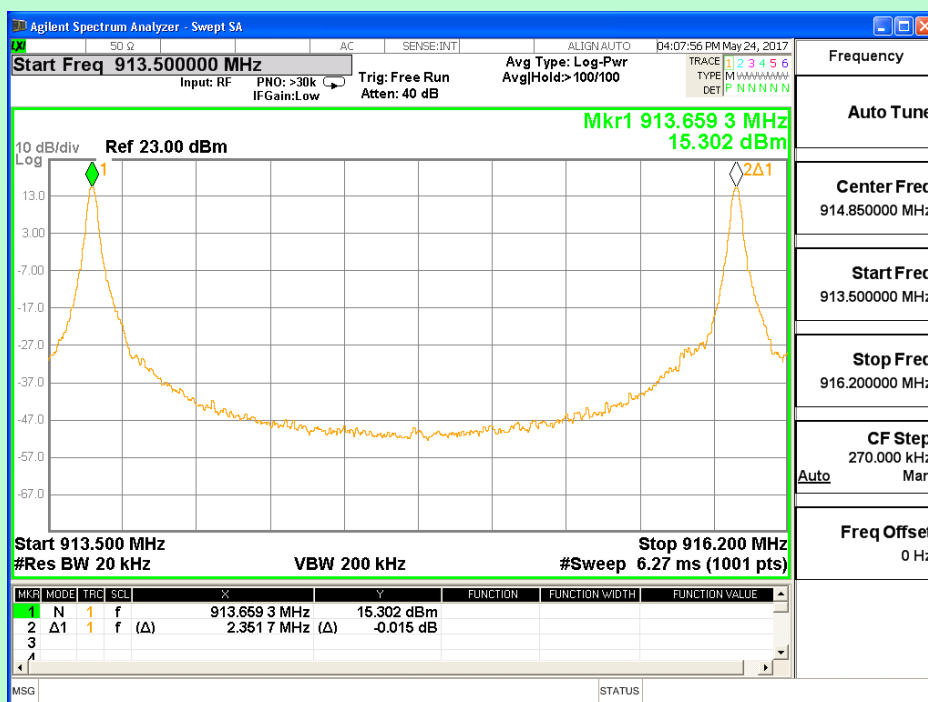
Channel 24 and 25



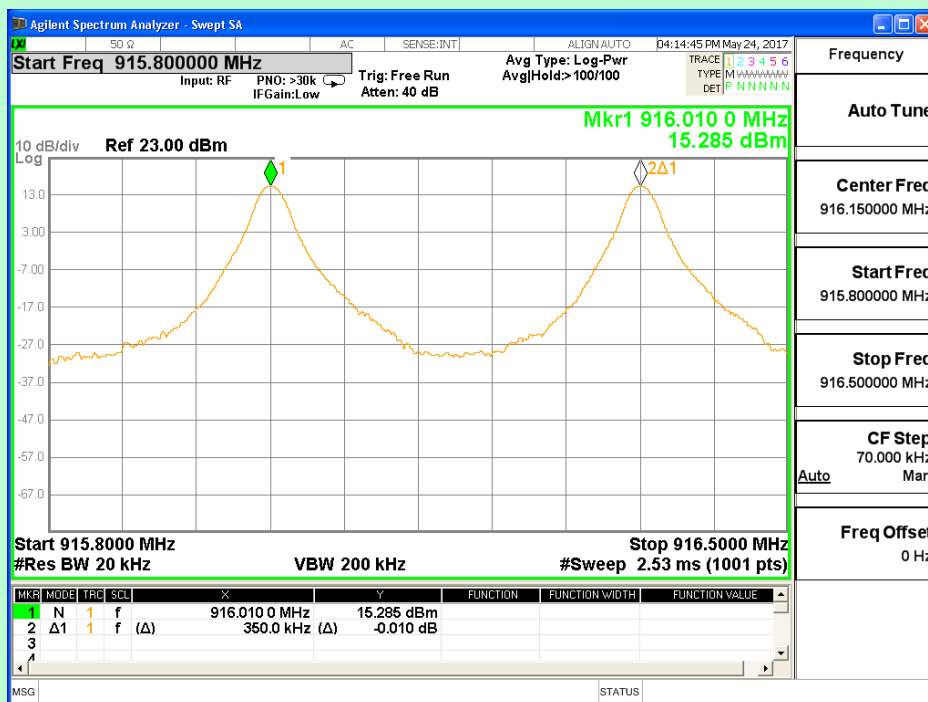
Channel 25 and 26



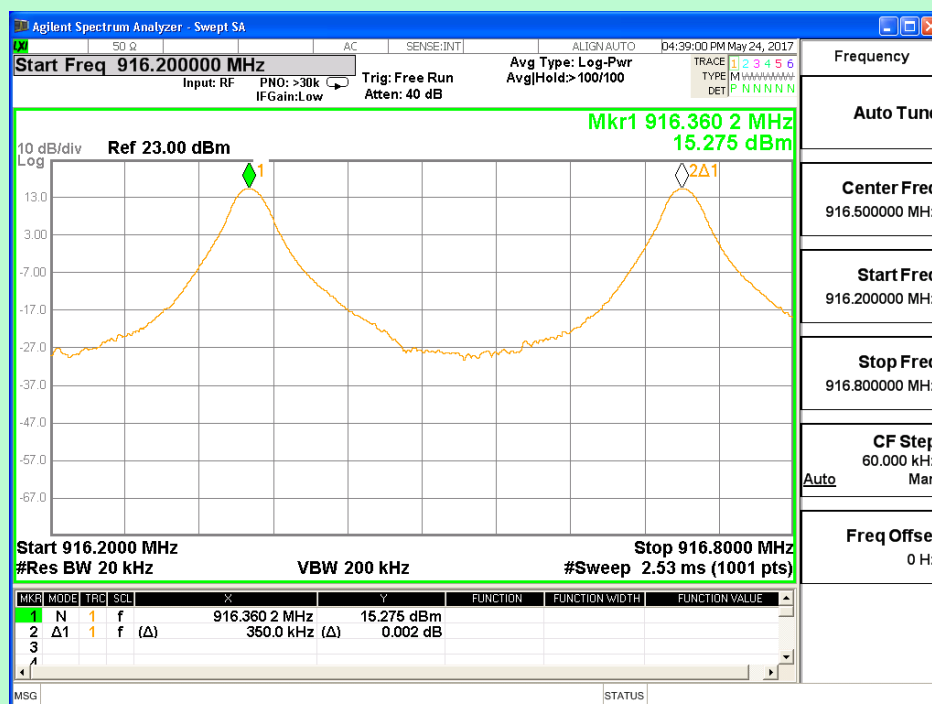
Channel 26 and 27



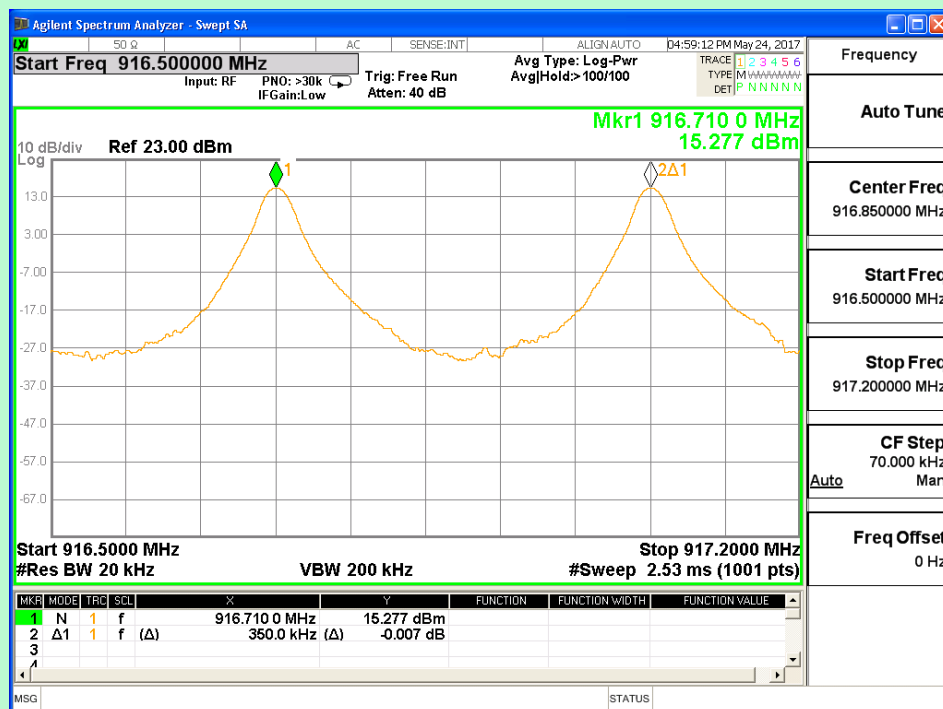
Channel 27 and 28



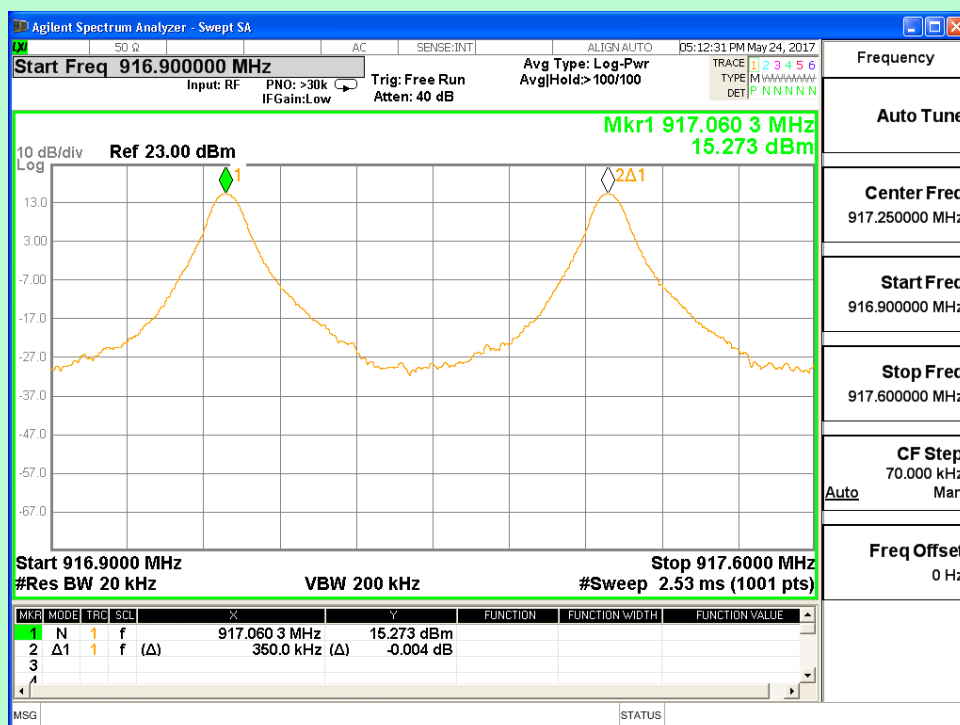
Channel 28 and 29



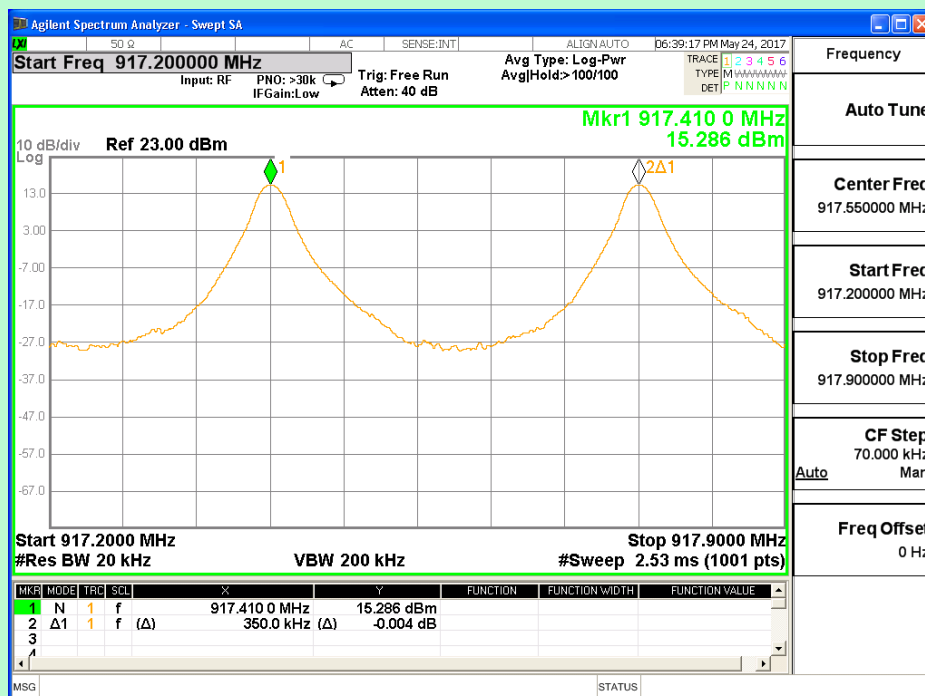
Channel 29 and 30



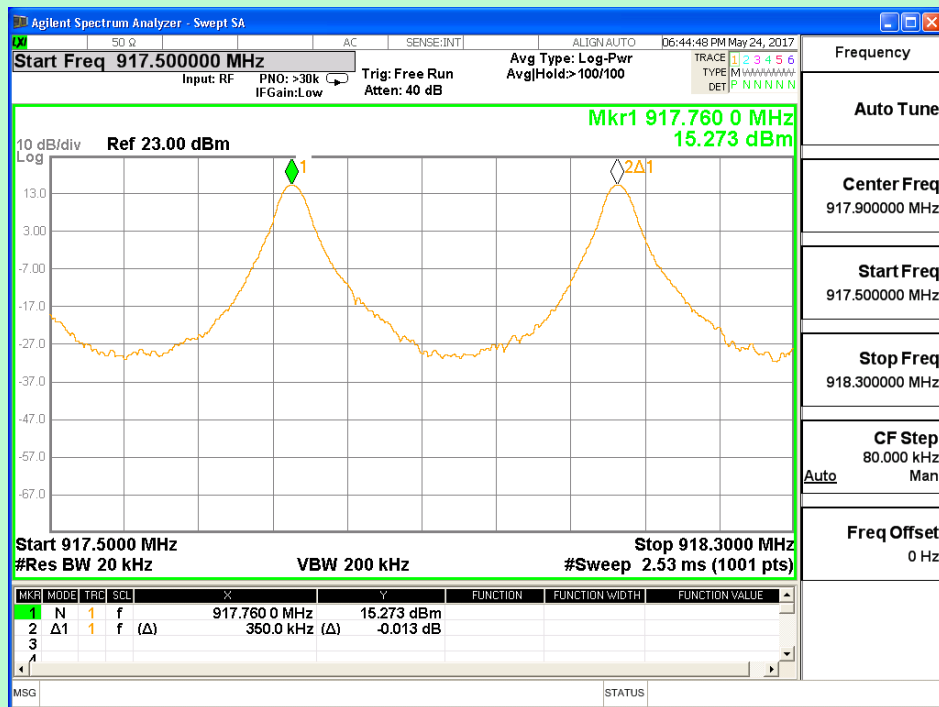
Channel 30 and 31



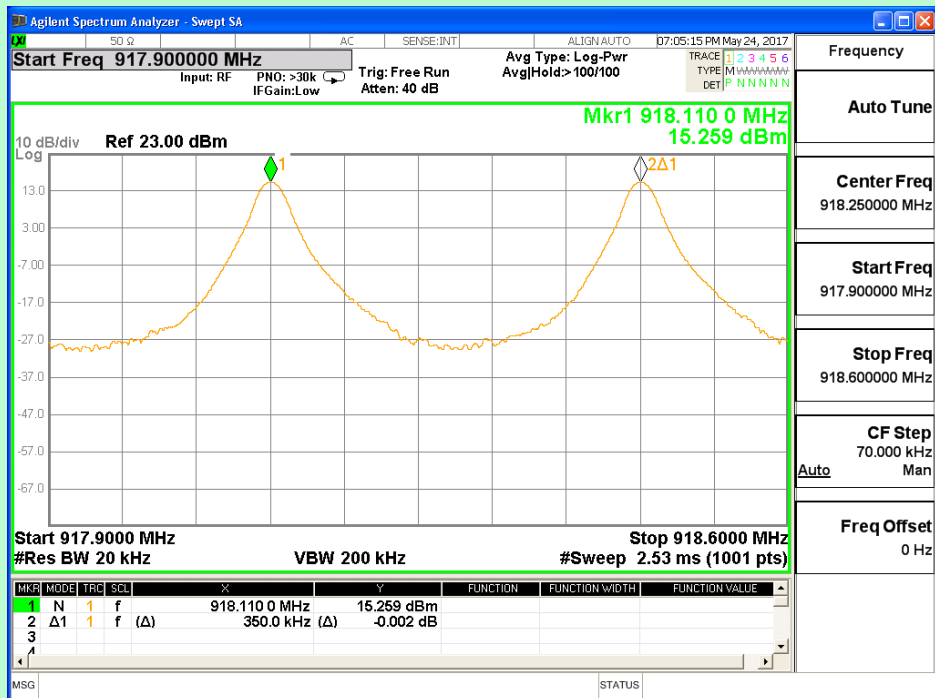
Channel 31 and 32



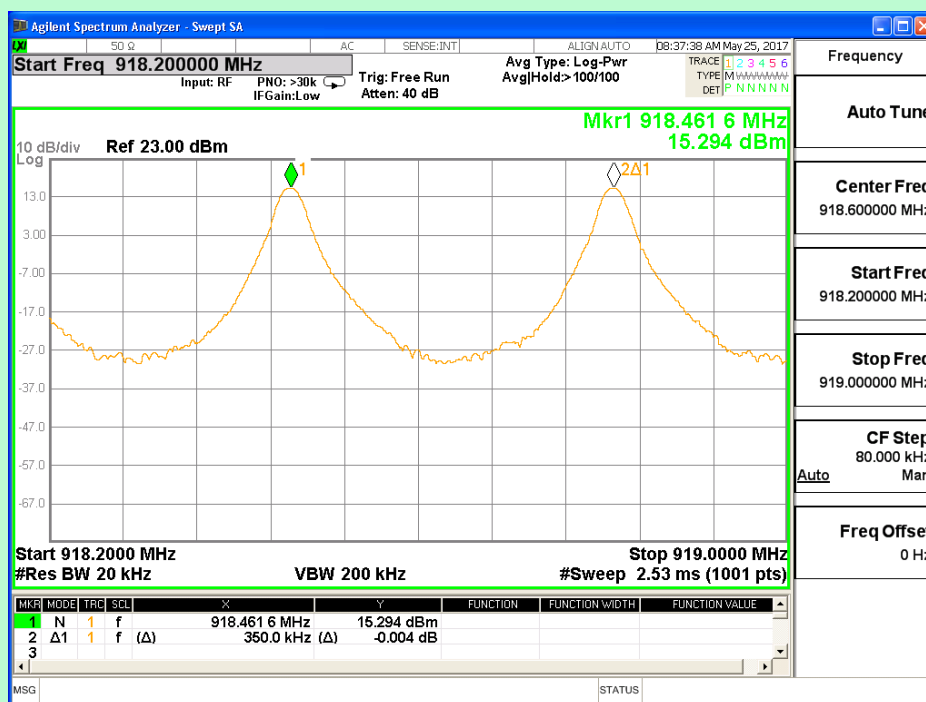
Channel 32 and 33



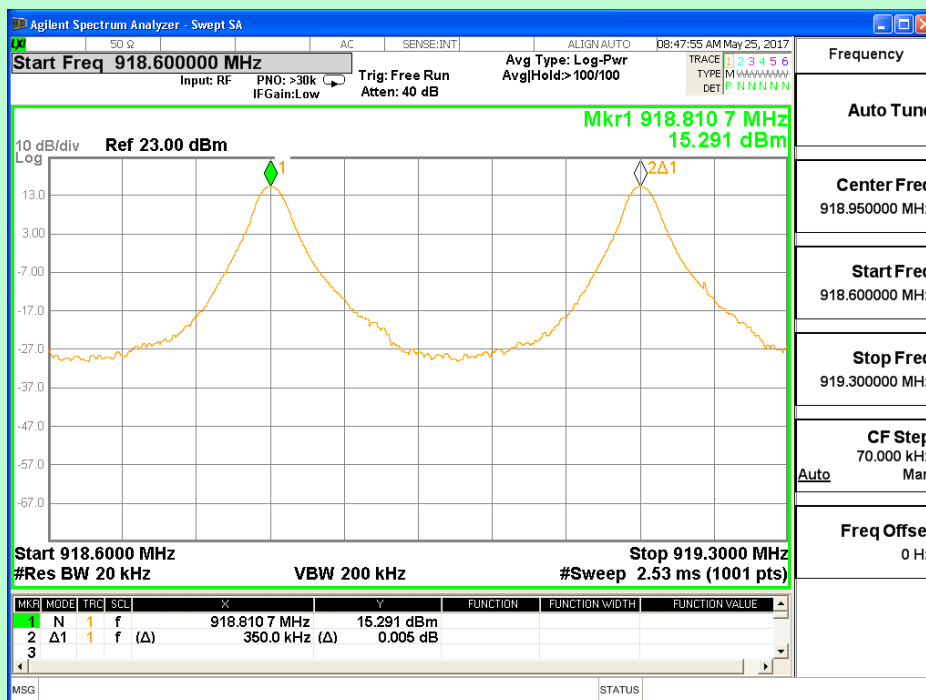
Channel 33 and 34



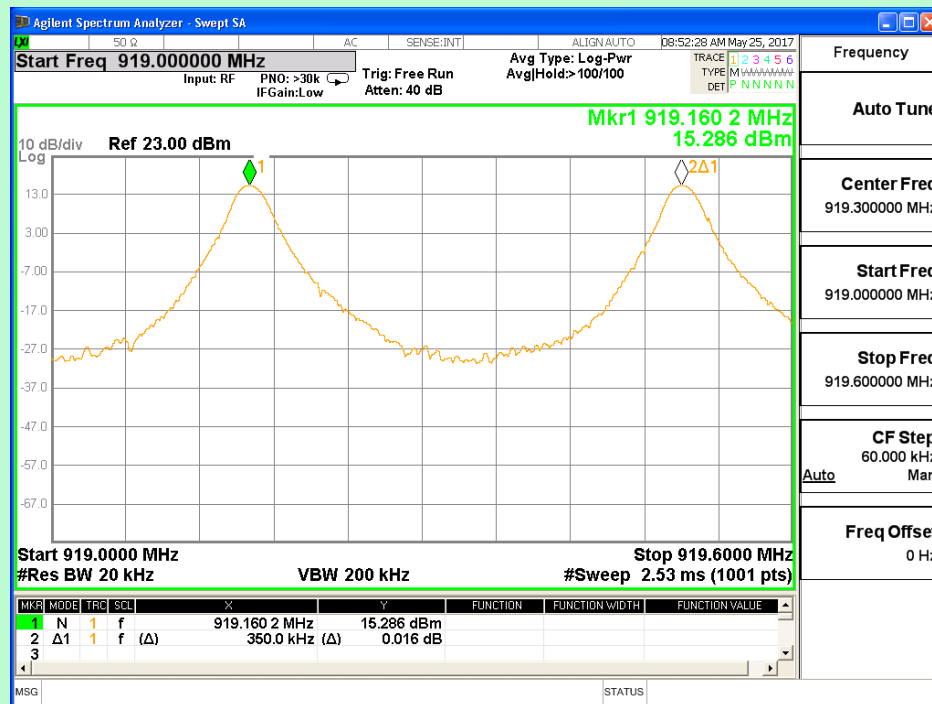
Channel 34 and 35



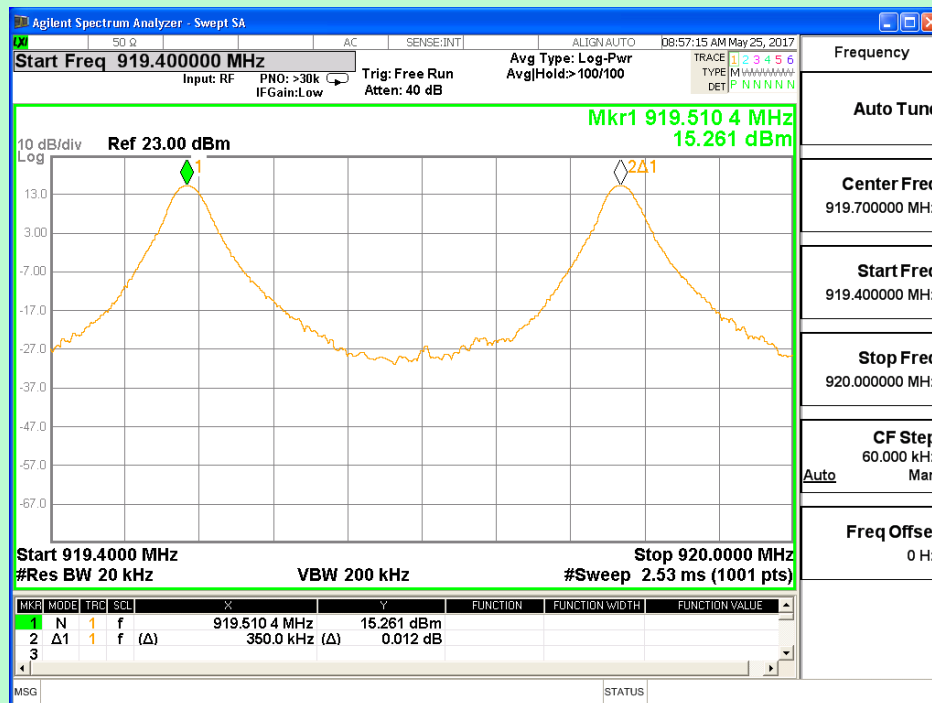
Channel 35 and 36



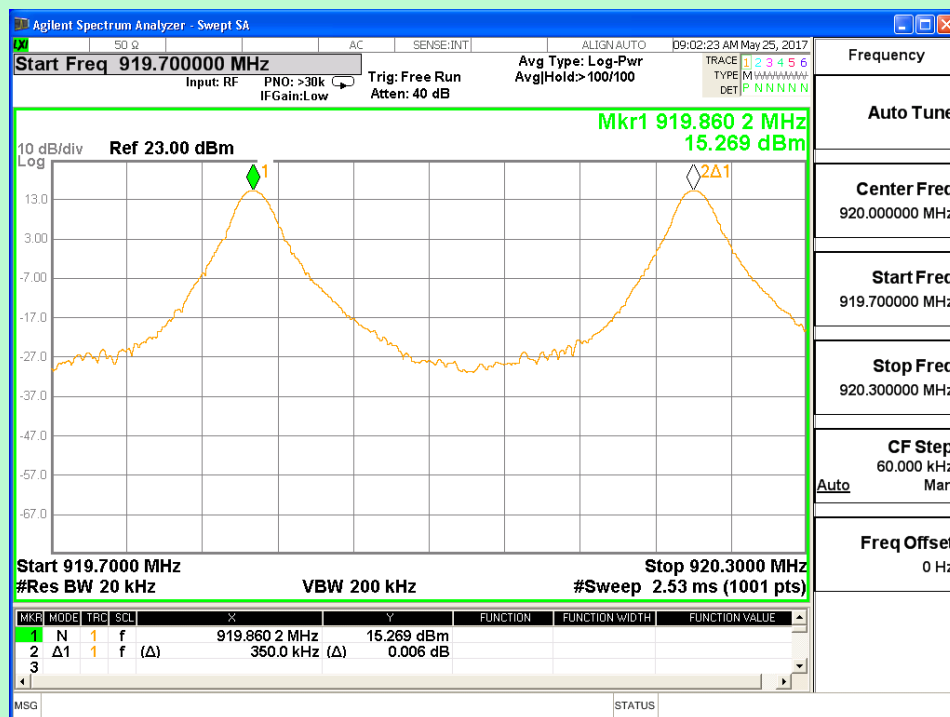
Channel 36 and 37



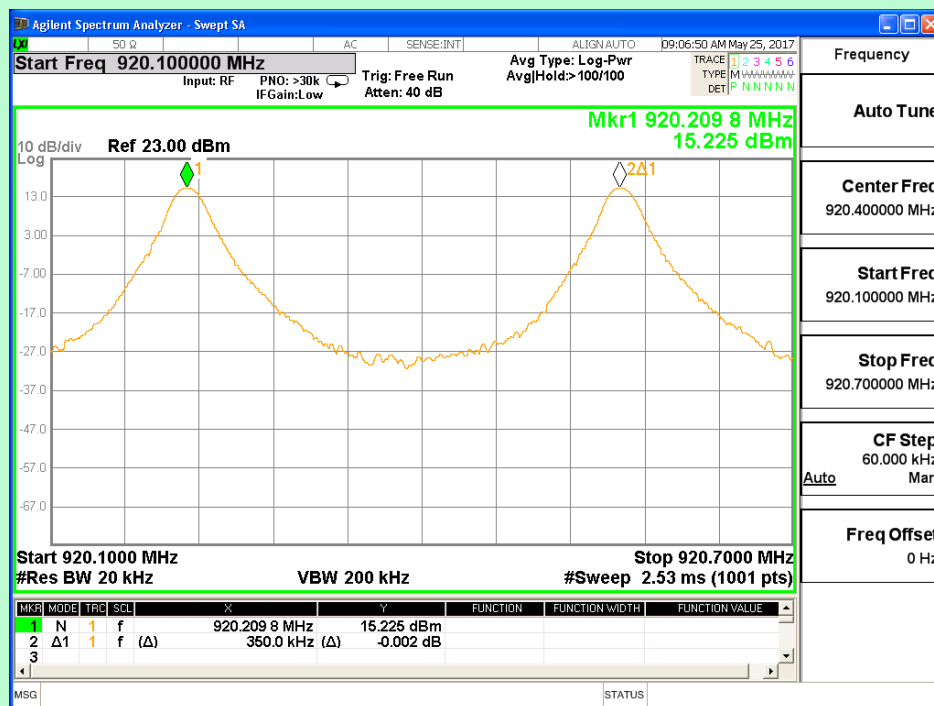
Channel 37 and 38



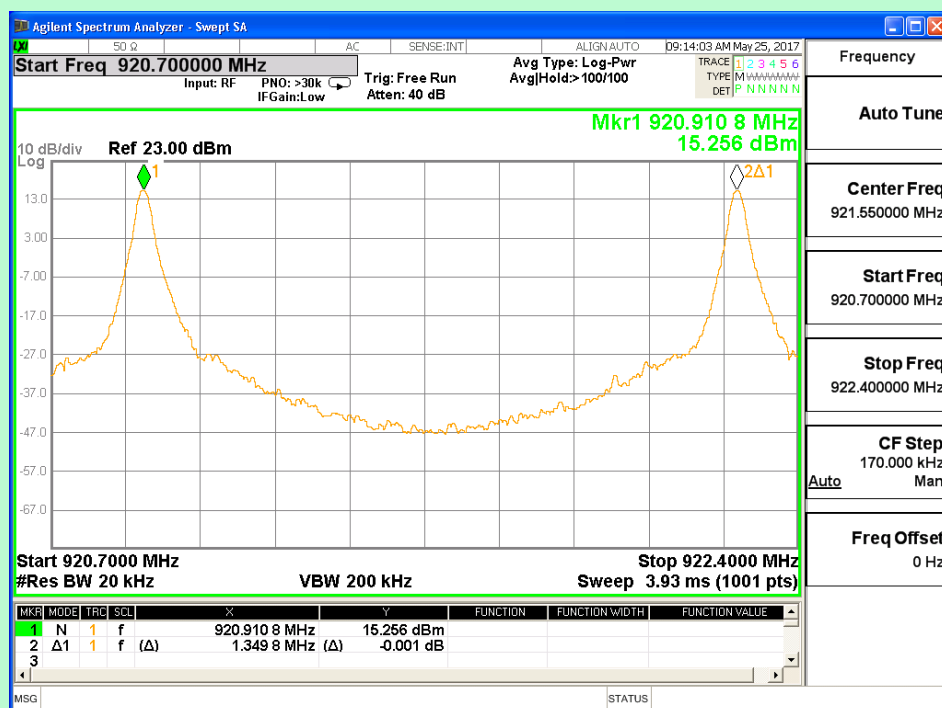
Channel 38 and 39



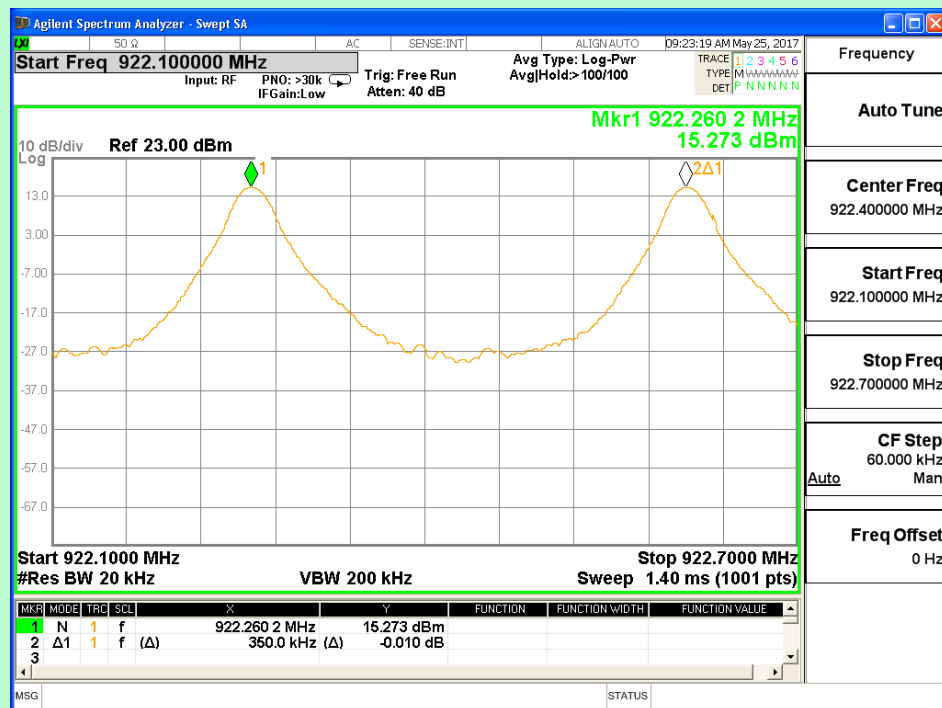
Channel 39 and 40



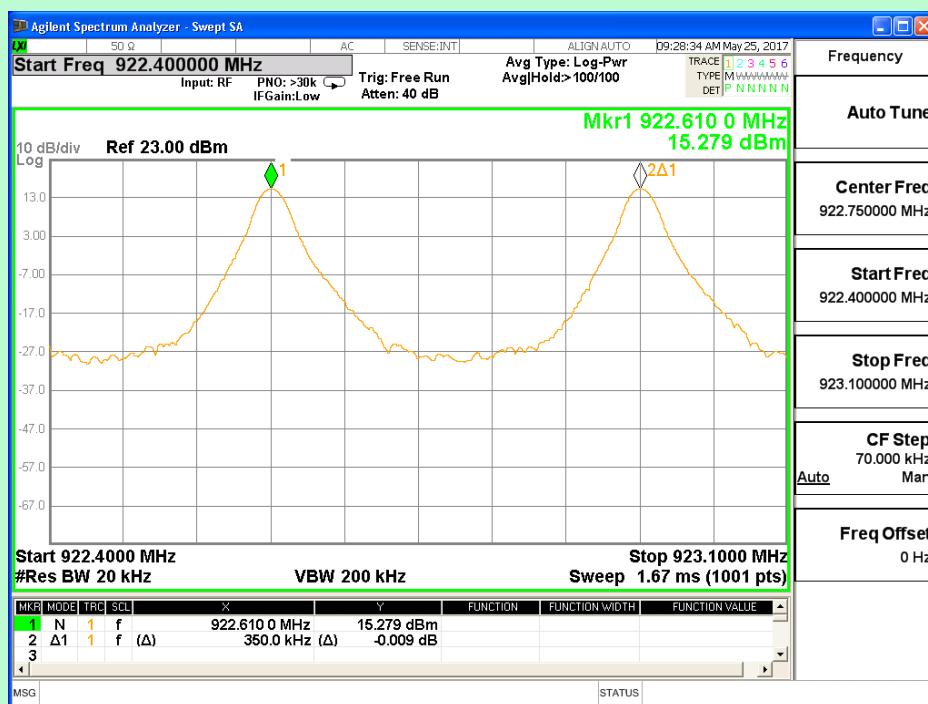
Channel 40 and 41



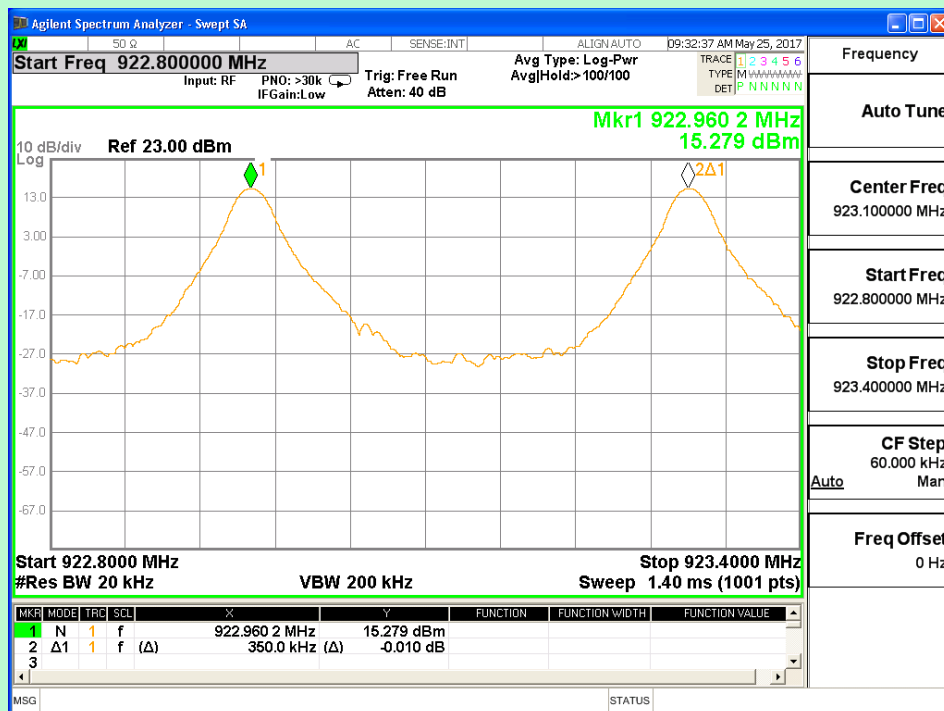
Channel 42 and 43



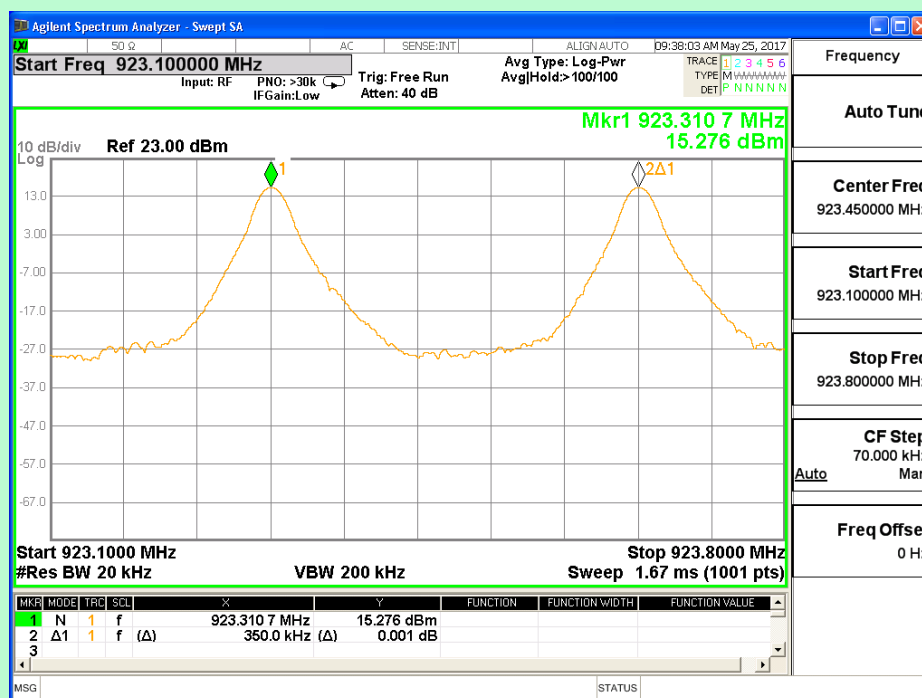
Channel 43 and 44



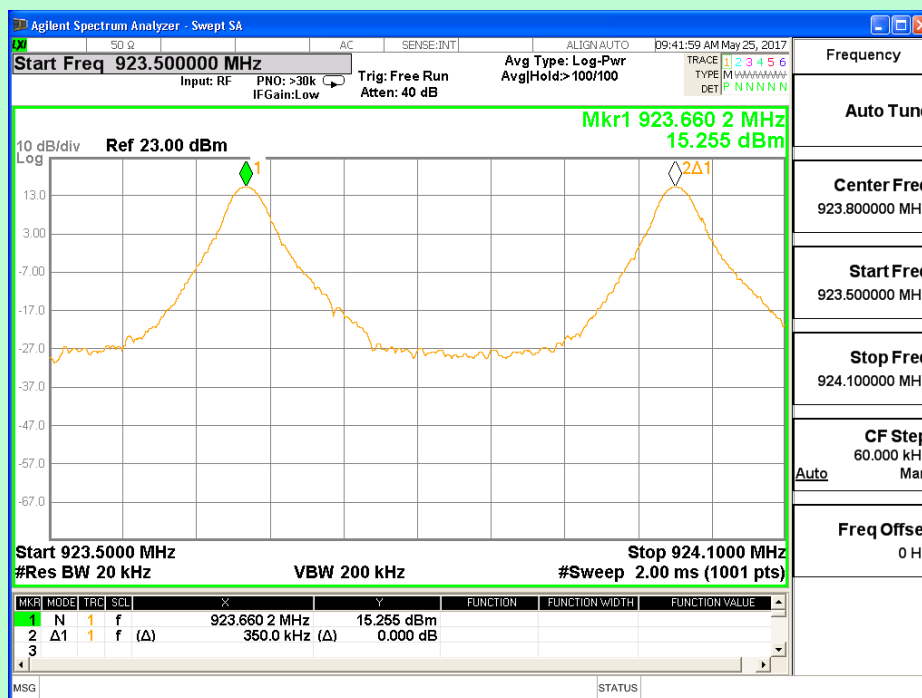
Channel 44 and 45



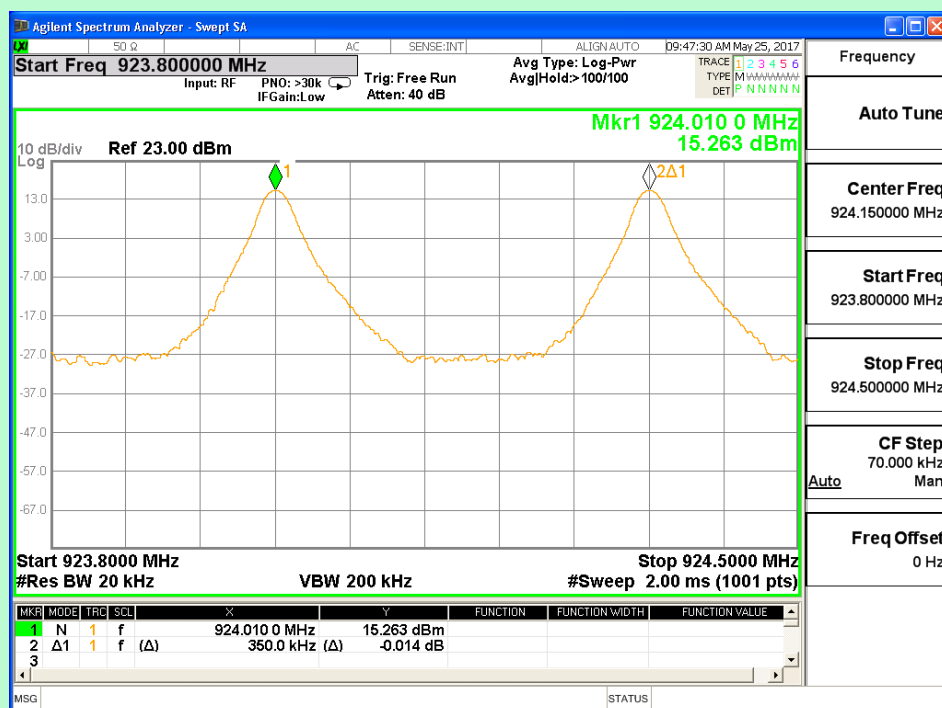
Channel 45 and 46



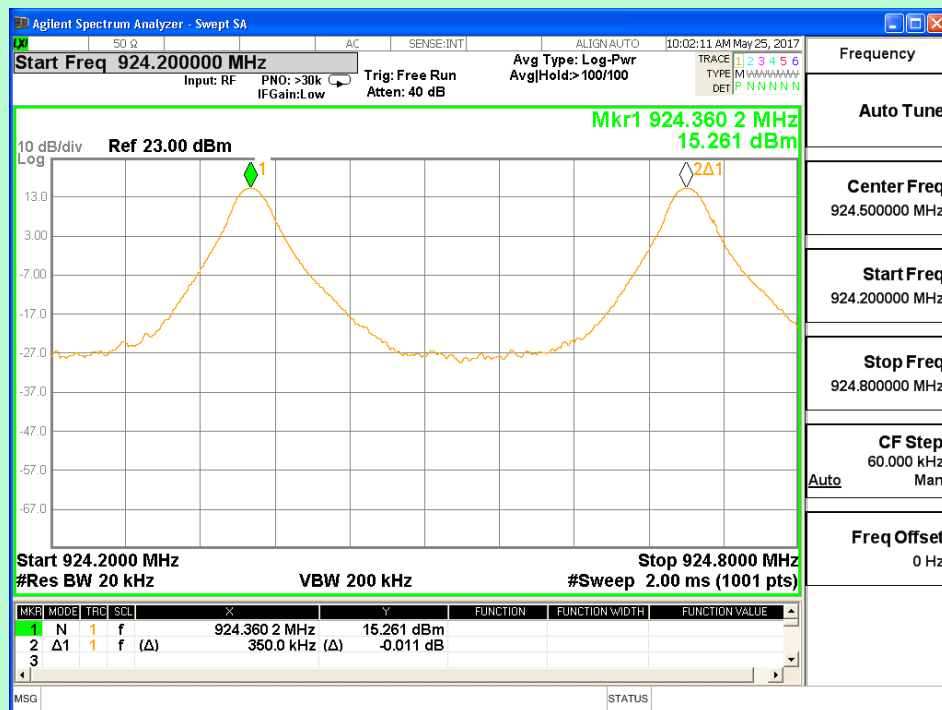
Channel 46 and 47



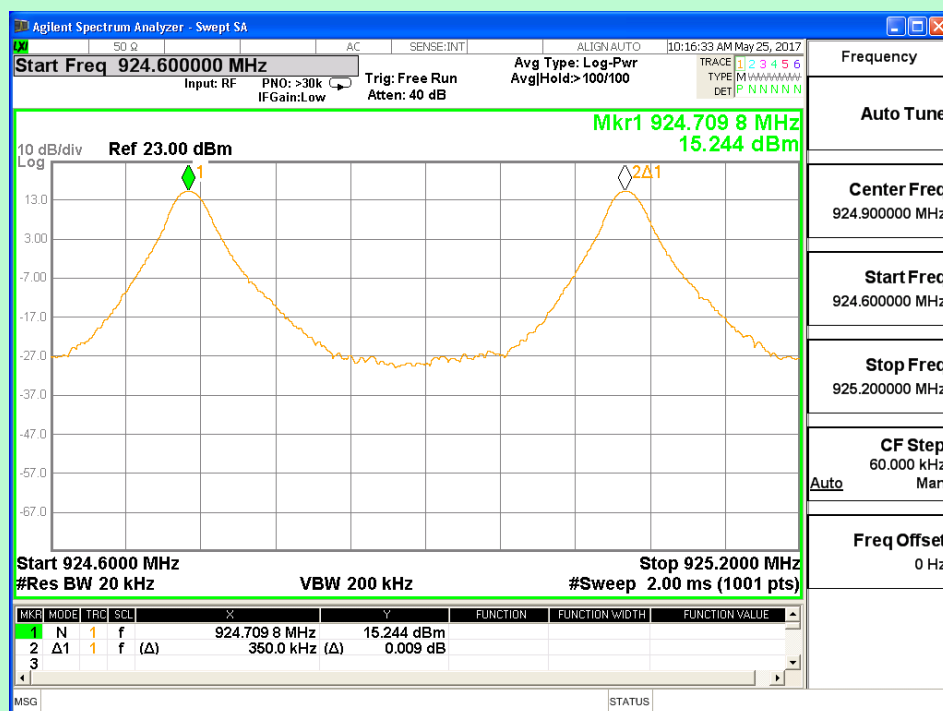
Channel 47 and 48



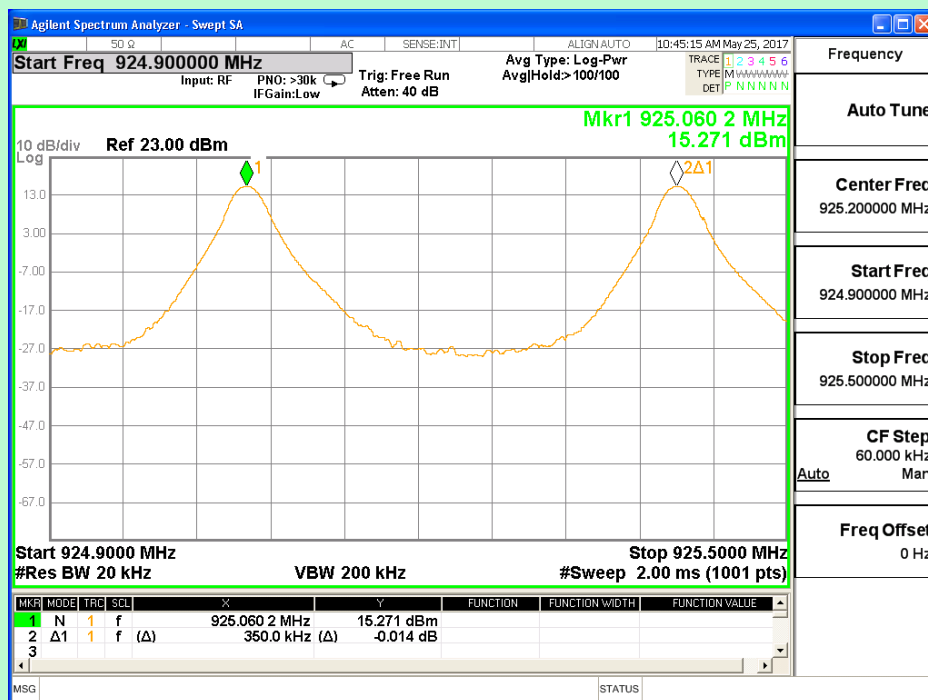
Channel 48 and 49



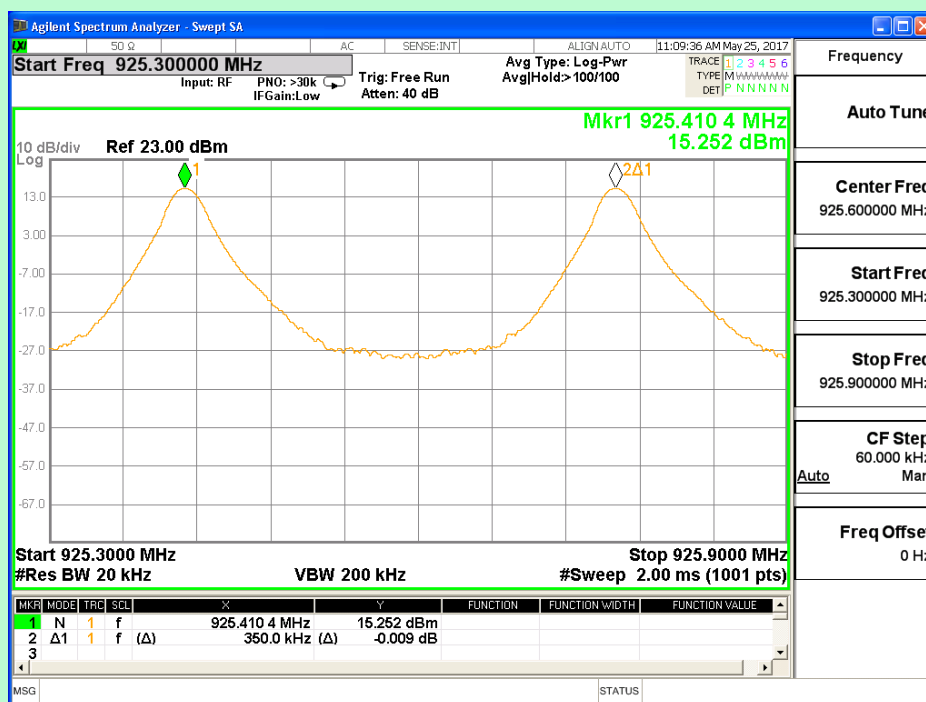
Channel 49 and 50



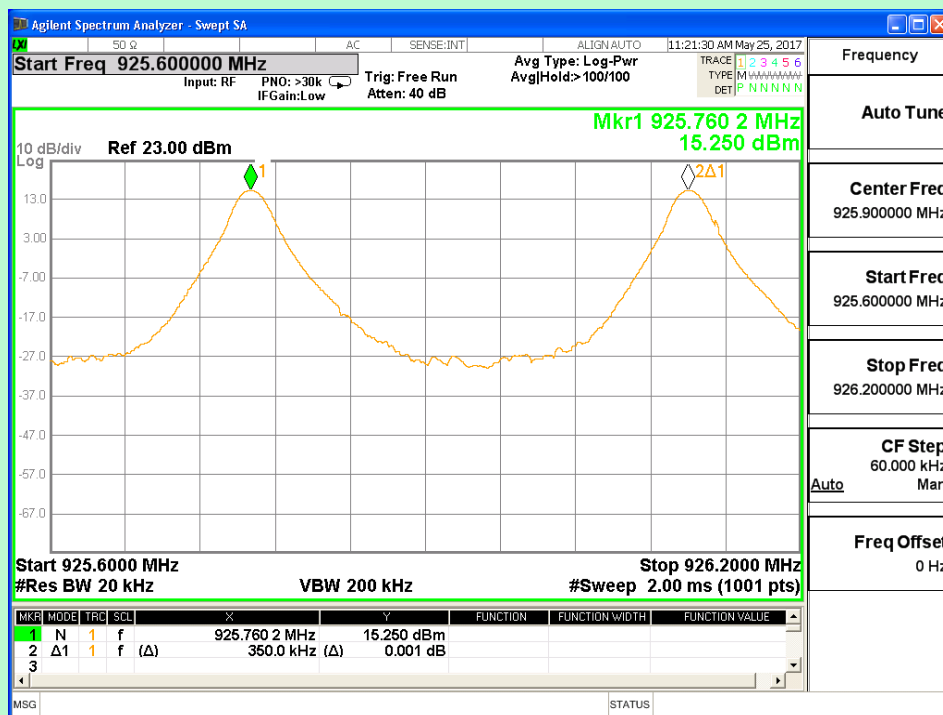
Channel 50 and 51



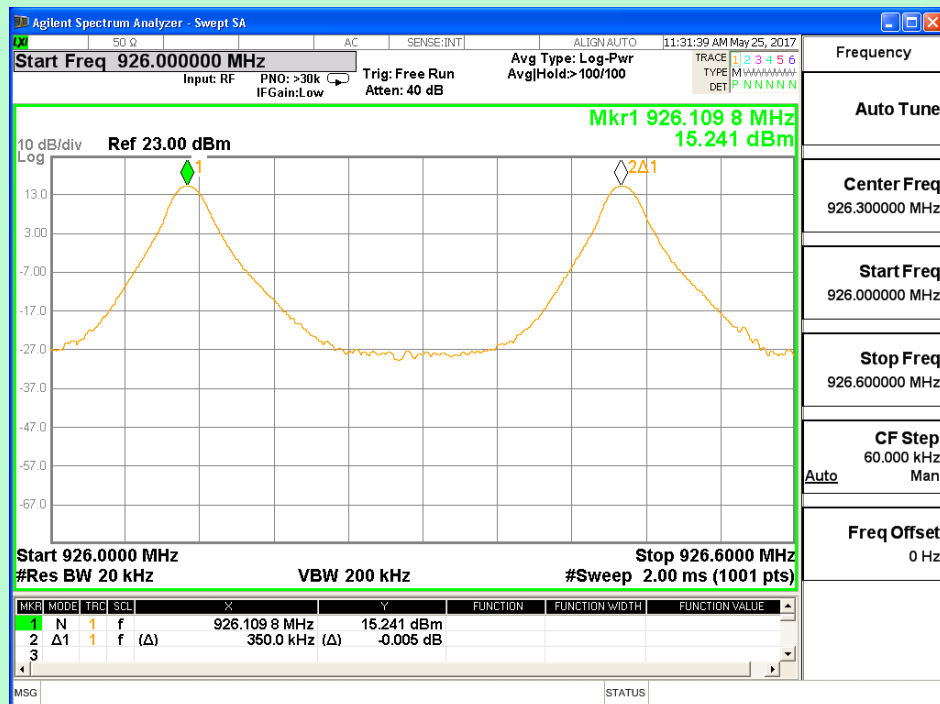
Channel 51 and 52



Channel 52 and 53



Channel 53 and 54



Channel 54 and 55

TEST RESULTS			
Channel No	Measured Value	Limit	Test Results
#	KHz		
1 and 2	350.7	>20dB BW(320KHz)	PASS
2 and 3	350	>20dB BW(320KHz)	PASS
3 and 4	350	>20dB BW(320KHz)	PASS
4 and 5	350	>20dB BW(320KHz)	PASS
5 and 6	349.8	>20dB BW(320KHz)	PASS
6 and 7	350	>20dB BW(320KHz)	PASS
7 and 8	350	>20dB BW(320KHz)	PASS
8 and 9	350	>20dB BW(320KHz)	PASS
9 and 10	350	>20dB BW(320KHz)	PASS
10 and 11	350	>20dB BW(320KHz)	PASS
11 and 12	350	>20dB BW(320KHz)	PASS
12 and 13	350	>20dB BW(320KHz)	PASS
13 and 14	1350.50	>20dB BW(320KHz)	PASS
14 and 42	117990	>20dB BW(320KHz)	PASS
15 and 16	350	>20dB BW(320KHz)	PASS
16 and 17	350	>20dB BW(320KHz)	PASS
17 and 18	350	>20dB BW(320KHz)	PASS
18 and 19	350	>20dB BW(320KHz)	PASS
19 and 20	350	>20dB BW(320KHz)	PASS
20 and 21	350	>20dB BW(320KHz)	PASS
21 and 22	350	>20dB BW(320KHz)	PASS
22 and 23	350	>20dB BW(320KHz)	PASS
23 and 24	350	>20dB BW(320KHz)	PASS
24 and 25	350	>20dB BW(320KHz)	PASS
25 and 26	350	>20dB BW(320KHz)	PASS
26 and 27	350	>20dB BW(320KHz)	PASS
27 and 28	2351.7	>20dB BW(320KHz)	PASS
28 and 29	350	>20dB BW(320KHz)	PASS
29 and 30	350	>20dB BW(320KHz)	PASS
30 and 31	350	>20dB BW(320KHz)	PASS
31 and 32	350	>20dB BW(320KHz)	PASS
32 and 33	350	>20dB BW(320KHz)	PASS
33 and 34	350	>20dB BW(320KHz)	PASS
34 and 35	350	>20dB BW(320KHz)	PASS
35 and 36	350	>20dB BW(320KHz)	PASS
36 and 37	350	>20dB BW(320KHz)	PASS
37 and 38	350	>20dB BW(320KHz)	PASS
38 and 39	350	>20dB BW(320KHz)	PASS
39 and 40	350	>20dB BW(320KHz)	PASS
40 and 41	350	>20dB BW(320KHz)	PASS
42 and 43	1349.8	>20dB BW(320KHz)	PASS
43 and 44	350	>20dB BW(320KHz)	PASS
44 and 45	350	>20dB BW(320KHz)	PASS
45 and 46	350	>20dB BW(320KHz)	PASS
46 and 47	350	>20dB BW(320KHz)	PASS
47 and 48	350	>20dB BW(320KHz)	PASS
48 and 49	350	>20dB BW(320KHz)	PASS
49 and 50	350	>20dB BW(320KHz)	PASS
50 and 51	350	>20dB BW(320KHz)	PASS

51 and 52	350	>20dB BW(320KHz)	PASS
52 and 53	350	>20dB BW(320KHz)	PASS
53 and 54	350	>20dB BW(320KHz)	PASS
54 and 55	350	>20dB BW(320KHz)	PASS

TEST SETUP PHOTOGRAPH

Refer Annexure -1

Conducted RF Test setup

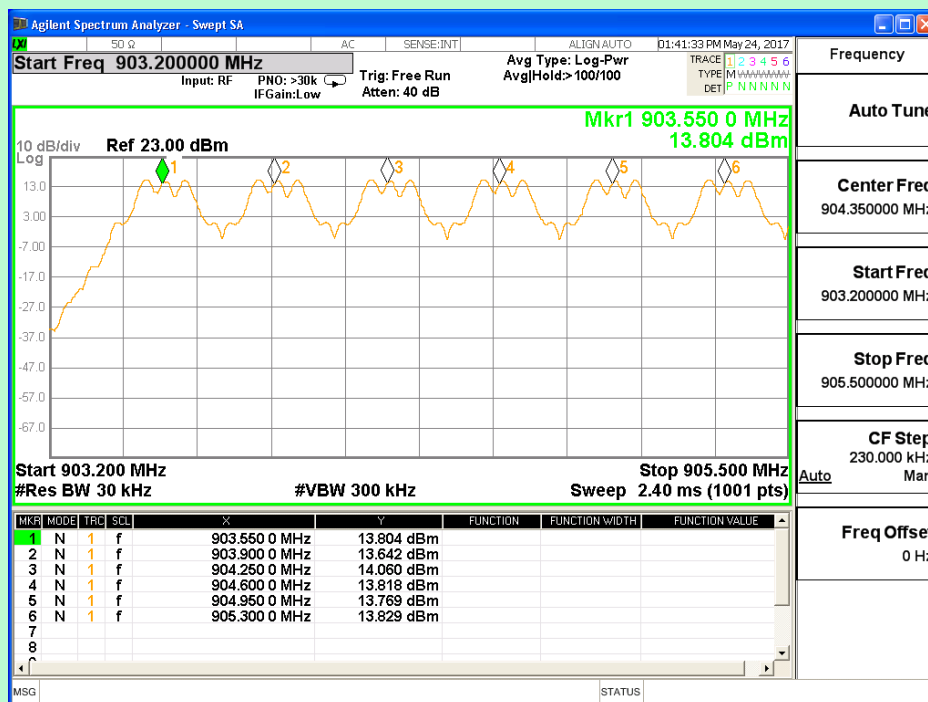
2.4 NUMBER OF HOPPING CHANNELS

EUT Nomenclature	Wireless Sync Module	Test Request No.	EMC0210-1
Model No.	W-SYNC	Serial No.	SM-RF01
Test Start Date	24-May-2017	Temperature (°C)	23.6°C
Test End Date	24-May-2017	Humidity RH (%)	51.9%RH
Tested By	Sasikala	Pressure (mbar)	NR
Input Voltage / Freq.	24Vdc		
Operating Mode	Refer Page 5 for Operating Mode Table		
Test configuration	Refer Page 5 for Test Configuration Table		
Deviation from Std.	NA		
Applicable standard	FCC Part 15.247:2010		
Test Method	DA 00-705		
Comment	NA		
TEST DETAILS			
Method	Radiated ☐ Conducted ☒		
TEST PARAMETERS			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

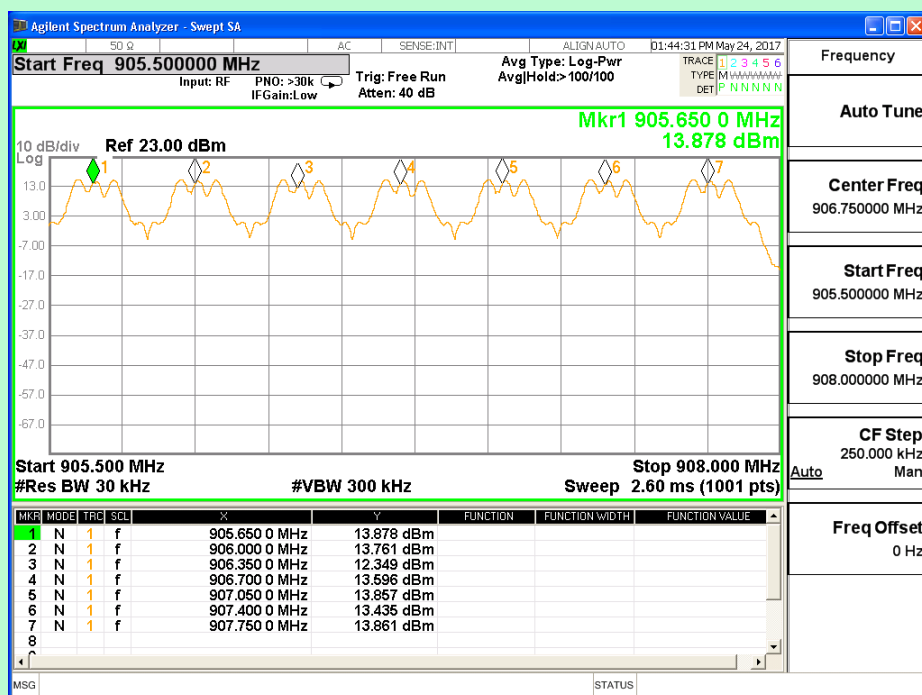
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	22-Feb-2018
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

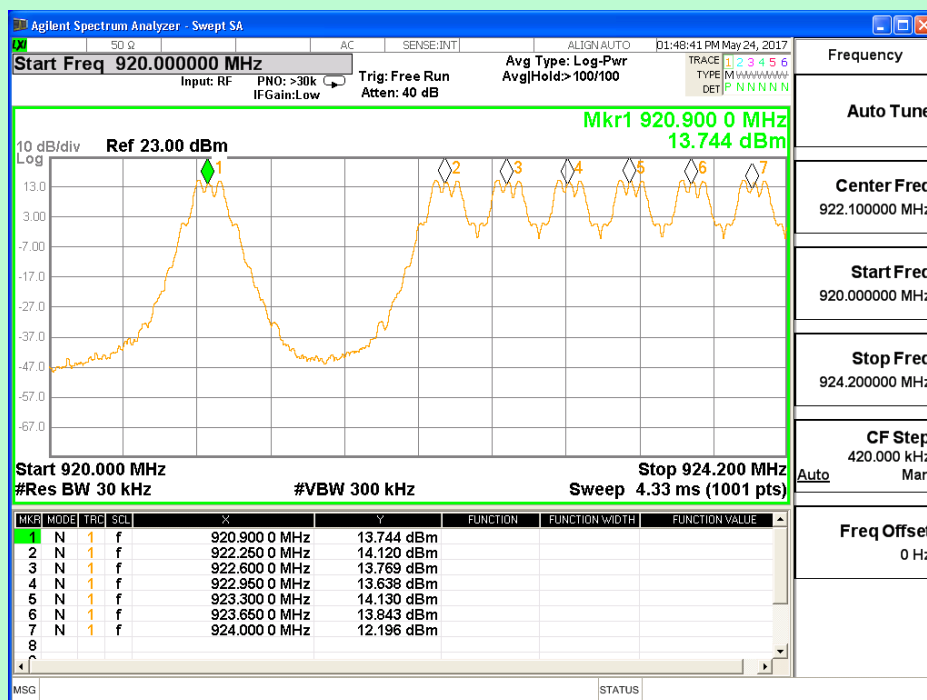
TEST GRAPHS



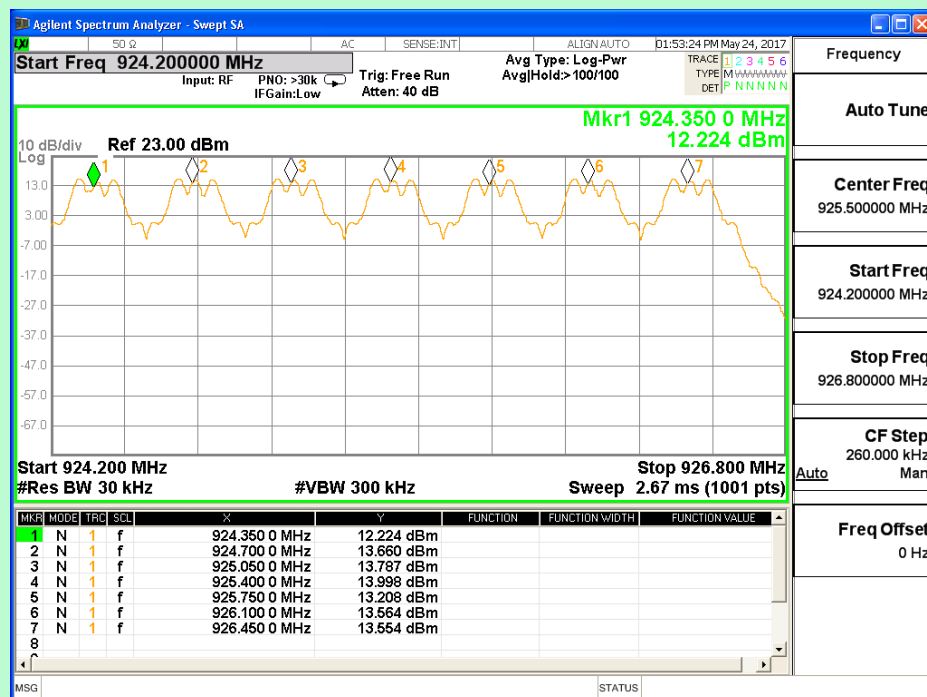
Channel 1 – 6 (Walkie-Talkie Mode)



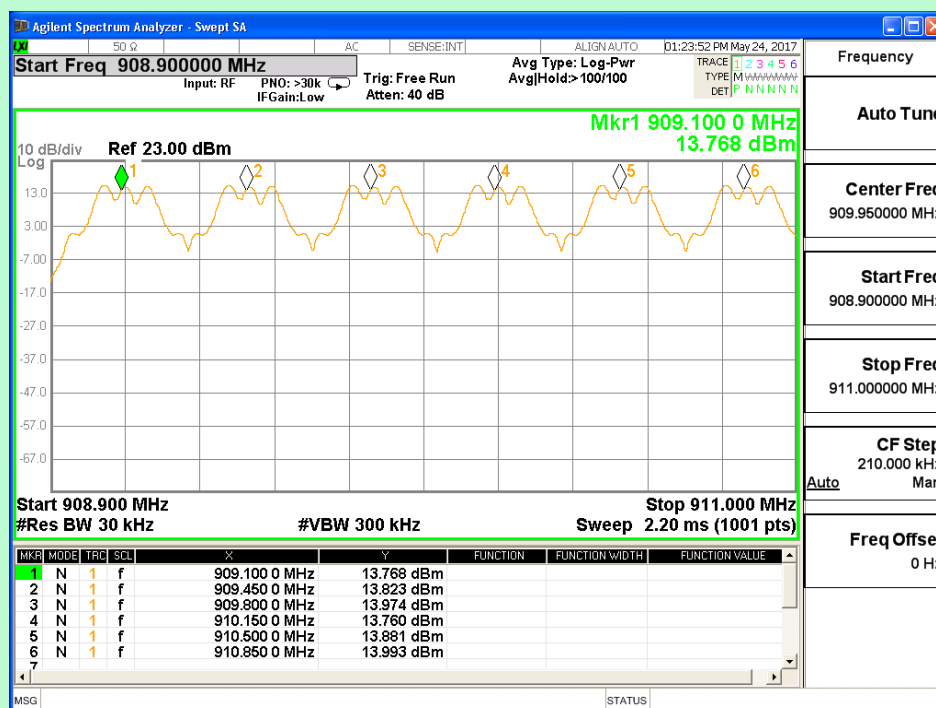
Channel 7 – 13 (Walkie-Talkie Mode)



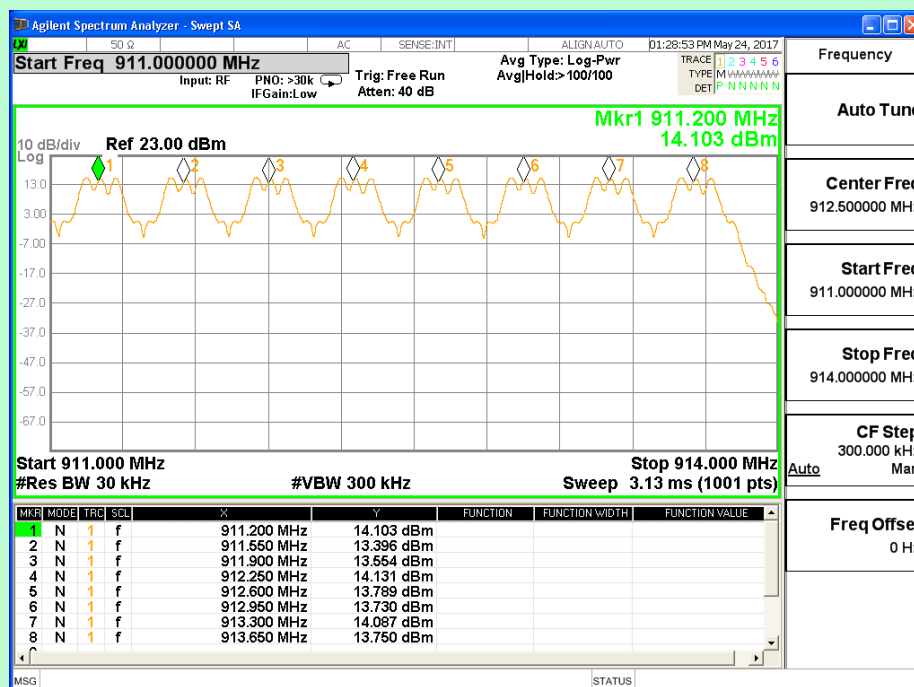
Channel 14 – 20 (Walkie-Talkie Mode)



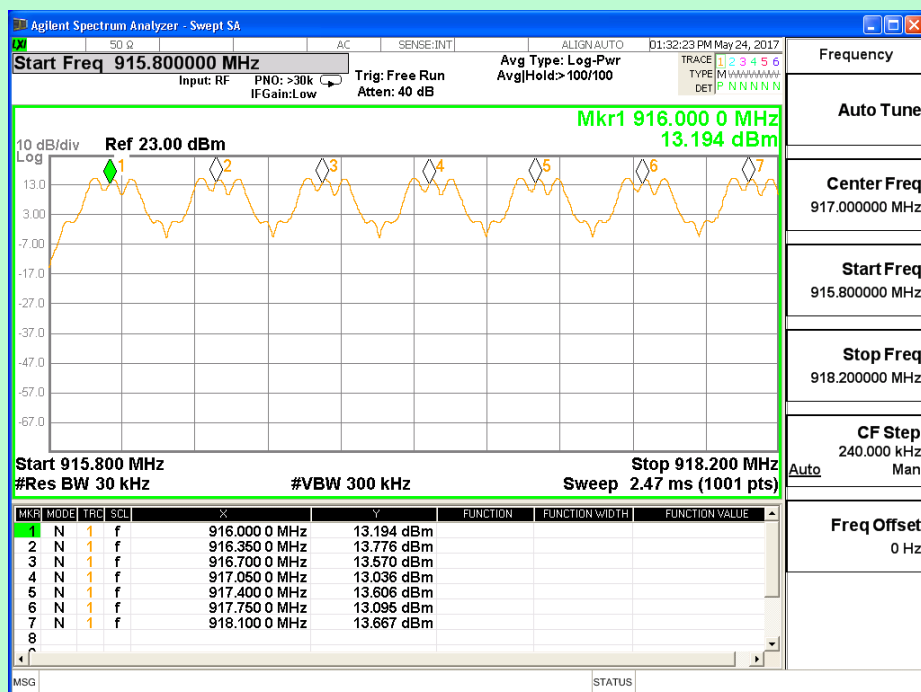
Channel 21 – 27 (Walkie-Talkie Mode)



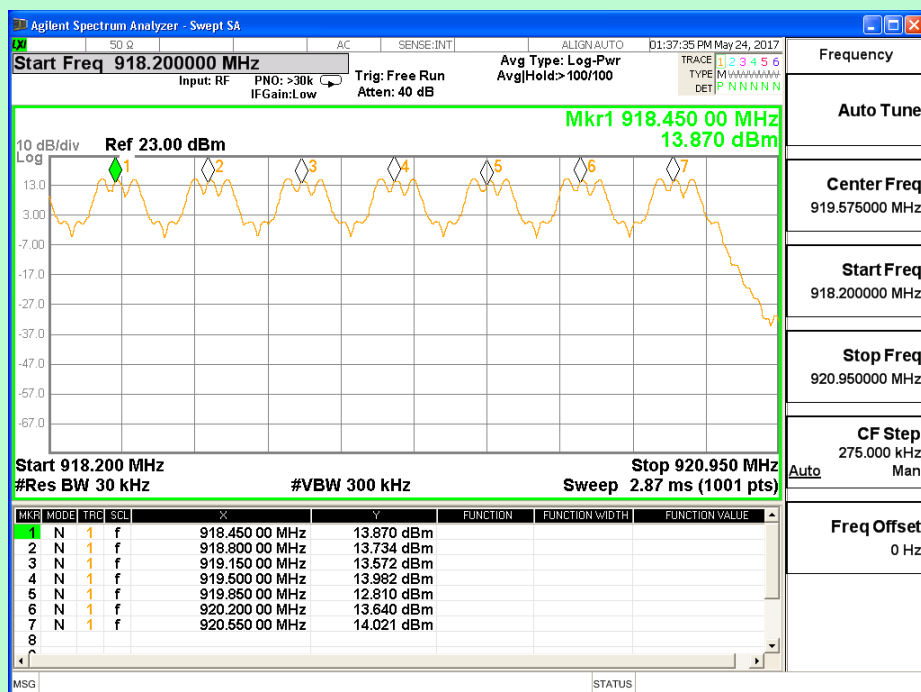
Channel 1 – 6 (Normal Mode)



Channel 7 – 14 (Normal Mode)



Channel 15 – 21 (Normal Mode)



Channel 22 – 28 (Normal Mode)

TEST RESULTS

Mode of Operation	No. of Channels Measured	Limit (No. of Channels)	Test Results
#	#	#	
Normal Mode	28	≥25	PASS
Walkie-Talkie Mode	27	≥25	PASS

TEST SETUP PHOTOGRAPH

Refer Annexure -1

Conducted RF Test setup