



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	22.63	22.33	30	PASS
				RB1#3	22.77	22.47	30	PASS
				RB1#5	22.74	22.44	30	PASS
				RB3#0	22.71	22.41	30	PASS
				RB3#2	22.79	22.49	30	PASS
				RB3#3	22.76	22.46	30	PASS
				RB6#0	21.75	21.45	30	PASS
			MCH	RB1#0	22.62	22.32	30	PASS
				RB1#3	22.61	22.31	30	PASS
				RB1#5	22.51	22.21	30	PASS
				RB3#0	22.58	22.28	30	PASS
				RB3#2	22.54	22.24	30	PASS
				RB3#3	22.5	22.2	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.77	21.47	30	PASS
			HCH	RB1#0	22.91	22.61	30	PASS
				RB1#3	22.9	22.6	30	PASS
				RB1#5	22.76	22.46	30	PASS
				RB3#0	22.85	22.55	30	PASS
				RB3#2	22.82	22.52	30	PASS
				RB3#3	22.72	22.42	30	PASS
				RB6#0	21.79	21.49	30	PASS
		3	LCH	RB1#0	22.61	22.31	30	PASS
				RB1#7	22.97	22.67	30	PASS
				RB1#14	22.79	22.49	30	PASS
				RB8#0	21.88	21.58	30	PASS
				RB8#4	22.01	21.71	30	PASS
				RB8#7	21.98	21.68	30	PASS
				RB15#0	21.93	21.63	30	PASS
			MCH	RB1#0	22.33	22.03	30	PASS
				RB1#7	22.65	22.35	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.37	22.07	30	PASS
				RB8#0	21.69	21.39	30	PASS
				RB8#4	21.8	21.5	30	PASS
				RB8#7	21.75	21.45	30	PASS
				RB15#0	21.75	21.45	30	PASS
			HCH	RB1#0	22.84	22.54	30	PASS
				RB1#7	22.97	22.67	30	PASS
				RB1#14	22.59	22.29	30	PASS
				RB8#0	21.87	21.57	30	PASS
				RB8#4	21.92	21.62	30	PASS
				RB8#7	21.8	21.5	30	PASS
				RB15#0	21.95	21.65	30	PASS
		5	LCH	RB1#0	22.54	22.24	30	PASS
				RB1#13	23.12	22.82	30	PASS
				RB1#24	22.68	22.38	30	PASS
				RB12#0	21.99	21.69	30	PASS
				RB12#6	22.15	21.85	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.95	21.65	30	PASS
				RB25#0	21.94	21.64	30	PASS
			MCH	RB1#0	22.31	22.01	30	PASS
				RB1#13	22.67	22.37	30	PASS
				RB1#24	22.36	22.06	30	PASS
				RB12#0	21.71	21.41	30	PASS
				RB12#6	21.86	21.56	30	PASS
				RB12#13	21.69	21.39	30	PASS
				RB25#0	21.75	21.45	30	PASS
			HCH	RB1#0	22.83	22.53	30	PASS
				RB1#13	22.98	22.68	30	PASS
				RB1#24	22.4	22.1	30	PASS
				RB12#0	21.92	21.62	30	PASS
				RB12#6	22.03	21.73	30	PASS
				RB12#13	21.84	21.54	30	PASS
				RB25#0	22.14	21.84	30	PASS
		10	LCH	RB1#0	22.51	22.21	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.1	22.8	30	PASS
				RB1#49	22.96	22.66	30	PASS
				RB25#0	21.94	21.64	30	PASS
				RB25#13	22.03	21.73	30	PASS
				RB25#25	21.72	21.42	30	PASS
				RB50#0	21.84	21.54	30	PASS
			MCH	RB1#0	22.23	21.93	30	PASS
				RB1#25	22.64	22.34	30	PASS
				RB1#49	22.78	22.48	30	PASS
				RB25#0	21.7	21.4	30	PASS
				RB25#13	21.84	21.54	30	PASS
				RB25#25	21.85	21.55	30	PASS
				RB50#0	21.75	21.45	30	PASS
			HCH	RB1#0	23.02	22.72	30	PASS
				RB1#25	23.15	22.85	30	PASS
				RB1#49	22.96	22.66	30	PASS
				RB25#0	22.21	21.91	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.99	21.69	30	PASS
				RB25#25	21.94	21.64	30	PASS
				RB50#0	22.16	21.86	30	PASS
		15	LCH	RB1#0	22.62	22.32	30	PASS
				RB1#38	22.9	22.6	30	PASS
				RB1#74	22.29	21.99	30	PASS
				RB38#0	22.03	21.73	30	PASS
				RB38#19	22.07	21.77	30	PASS
				RB38#39	21.83	21.53	30	PASS
				RB75#0	21.84	21.54	30	PASS
			MCH	RB1#0	22.39	22.09	30	PASS
				RB1#38	22.69	22.39	30	PASS
				RB1#74	22.63	22.33	30	PASS
				RB38#0	21.68	21.38	30	PASS
				RB38#19	21.82	21.52	30	PASS
				RB38#39	21.79	21.49	30	PASS
				RB75#0	21.71	21.41	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.89	22.59	30	PASS
				RB1#38	23.29	22.99	30	PASS
				RB1#74	22.58	22.28	30	PASS
				RB38#0	22.2	21.9	30	PASS
				RB38#19	22.28	21.98	30	PASS
				RB38#39	22.31	22.01	30	PASS
				RB75#0	22.25	21.95	30	PASS
		20	LCH	RB1#0	22.68	22.38	30	PASS
				RB1#50	22.75	22.45	30	PASS
				RB1#99	22.51	22.21	30	PASS
				RB50#0	21.99	21.69	30	PASS
				RB50#25	21.8	21.5	30	PASS
				RB50#50	21.56	21.26	30	PASS
				RB100#0	21.88	21.58	30	PASS
			MCH	RB1#0	22.37	22.07	30	PASS
				RB1#50	22.65	22.35	30	PASS
				RB1#99	23.16	22.86	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.8	21.5	30	PASS
				RB50#25	21.82	21.52	30	PASS
				RB50#50	21.63	21.33	30	PASS
				RB100#0	21.71	21.41	30	PASS
			HCH	RB1#0	22.57	22.27	30	PASS
				RB1#50	23.26	22.96	30	PASS
				RB1#99	22.86	22.56	30	PASS
				RB50#0	21.94	21.64	30	PASS
				RB50#25	22.22	21.92	30	PASS
				RB50#50	22.22	21.92	30	PASS
				RB100#0	22.13	21.83	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.92	21.62	30	PASS
				RB1#3	22.12	21.82	30	PASS
				RB1#5	22.12	21.82	30	PASS
				RB3#0	21.77	21.47	30	PASS
				RB3#2	21.83	21.53	30	PASS
				RB3#3	21.83	21.53	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.81	21.51	30	PASS
			MCH	RB1#0	21.8	21.5	30	PASS
				RB1#3	21.92	21.62	30	PASS
				RB1#5	21.73	21.43	30	PASS
				RB3#0	21.86	21.56	30	PASS
				RB3#2	21.85	21.55	30	PASS
				RB3#3	21.81	21.51	30	PASS
				RB6#0	21.78	21.48	30	PASS
			HCH	RB1#0	22.05	21.75	30	PASS
				RB1#3	21.95	21.65	30	PASS
				RB1#5	21.98	21.68	30	PASS
				RB3#0	22.02	21.72	30	PASS
				RB3#2	22	21.7	30	PASS
				RB3#3	21.95	21.65	30	PASS
				RB6#0	21.83	21.53	30	PASS
		3	LCH	RB1#0	21.43	21.13	30	PASS
				RB1#7	21.94	21.64	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.98	21.68	30	PASS
				RB8#0	21.85	21.55	30	PASS
				RB8#4	21.98	21.68	30	PASS
				RB8#7	21.93	21.63	30	PASS
				RB15#0	21.76	21.46	30	PASS
			MCH	RB1#0	21.68	21.38	30	PASS
				RB1#7	21.96	21.66	30	PASS
				RB1#14	21.64	21.34	30	PASS
				RB8#0	21.75	21.45	30	PASS
				RB8#4	21.82	21.52	30	PASS
				RB8#7	21.82	21.52	30	PASS
				RB15#0	21.7	21.4	30	PASS
			HCH	RB1#0	21.89	21.59	30	PASS
				RB1#7	22.04	21.74	30	PASS
				RB1#14	21.7	21.4	30	PASS
				RB8#0	21.83	21.53	30	PASS
				RB8#4	21.85	21.55	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	21.72	21.42	30	PASS
				RB15#0	21.86	21.56	30	PASS
		5	LCH	RB1#0	21.74	21.44	30	PASS
				RB1#13	22.24	21.94	30	PASS
				RB1#24	21.76	21.46	30	PASS
				RB12#0	21.94	21.64	30	PASS
				RB12#6	22.07	21.77	30	PASS
				RB12#13	21.91	21.61	30	PASS
				RB25#0	21.81	21.51	30	PASS
			MCH	RB1#0	21.65	21.35	30	PASS
				RB1#13	22.09	21.79	30	PASS
				RB1#24	21.71	21.41	30	PASS
				RB12#0	21.73	21.43	30	PASS
				RB12#6	21.87	21.57	30	PASS
				RB12#13	21.73	21.43	30	PASS
				RB25#0	21.72	21.42	30	PASS
			HCH	RB1#0	22.05	21.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.24	21.94	30	PASS
				RB1#24	21.68	21.38	30	PASS
				RB12#0	21.9	21.6	30	PASS
				RB12#6	21.99	21.69	30	PASS
				RB12#13	21.77	21.47	30	PASS
				RB25#0	22.12	21.82	30	PASS
		10	LCH	RB1#0	21.67	21.37	30	PASS
				RB1#25	22.11	21.81	30	PASS
				RB1#49	22.01	21.71	30	PASS
				RB25#0	21.96	21.66	30	PASS
				RB25#13	22	21.7	30	PASS
				RB25#25	21.67	21.37	30	PASS
				RB50#0	21.82	21.52	30	PASS
			MCH	RB1#0	21.48	21.18	30	PASS
				RB1#25	22	21.7	30	PASS
				RB1#49	22.15	21.85	30	PASS
				RB25#0	21.72	21.42	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.83	21.53	30	PASS
				RB25#25	21.82	21.52	30	PASS
				RB50#0	21.69	21.39	30	PASS
			HCH	RB1#0	22.13	21.83	30	PASS
				RB1#25	22.12	21.82	30	PASS
				RB1#49	22.12	21.82	30	PASS
				RB25#0	22.12	21.82	30	PASS
				RB25#13	21.94	21.64	30	PASS
				RB25#25	21.89	21.59	30	PASS
				RB50#0	22.08	21.78	30	PASS
		15	LCH	RB1#0	21.72	21.42	30	PASS
				RB1#38	21.94	21.64	30	PASS
				RB1#74	21.38	21.08	30	PASS
				RB38#0	21.99	21.69	30	PASS
				RB38#19	21.99	21.69	30	PASS
				RB38#39	21.75	21.45	30	PASS
				RB75#0	21.75	21.45	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.62	21.32	30	PASS
				RB1#38	22.01	21.71	30	PASS
				RB1#74	21.72	21.42	30	PASS
				RB38#0	21.66	21.36	30	PASS
				RB38#19	21.81	21.51	30	PASS
				RB38#39	21.79	21.49	30	PASS
				RB75#0	21.65	21.35	30	PASS
			HCH	RB1#0	22.32	22.02	30	PASS
				RB1#38	22.59	22.29	30	PASS
				RB1#74	21.91	21.61	30	PASS
				RB38#0	22.13	21.83	30	PASS
				RB38#19	22.19	21.89	30	PASS
				RB38#39	22.27	21.97	30	PASS
				RB75#0	22.2	21.9	30	PASS
		20	LCH	RB1#0	22.07	21.77	30	PASS
				RB1#50	22.13	21.83	30	PASS
				RB1#99	22.11	21.81	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.89	21.59	30	PASS
				RB50#25	21.71	21.41	30	PASS
				RB50#50	21.49	21.19	30	PASS
				RB100#0	21.79	21.49	30	PASS
			MCH	RB1#0	21.72	21.42	30	PASS
				RB1#50	22.29	21.99	30	PASS
				RB1#99	22.6	22.3	30	PASS
				RB50#0	21.77	21.47	30	PASS
				RB50#25	21.82	21.52	30	PASS
				RB50#50	21.61	21.31	30	PASS
				RB100#0	21.71	21.41	30	PASS
			HCH	RB1#0	21.98	21.68	30	PASS
				RB1#50	22.47	22.17	30	PASS
				RB1#99	22.09	21.79	30	PASS
				RB50#0	21.87	21.57	30	PASS
				RB50#25	22.18	21.88	30	PASS
				RB50#50	22.16	21.86	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	22.1	21.8	30	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed } 1\text{MHz}$$

$$\text{SET VBW} \geq 3 * \text{RBW}$$

$$\text{SET Sweep time} = \text{auto-couple.}$$

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	5.49	13	PASS
				RB1#3	5.6	13	PASS
				RB1#5	5.55	13	PASS
				RB3#0	5.84	13	PASS
				RB3#2	5.83	13	PASS
				RB3#3	5.79	13	PASS
				RB6#0	5.85	13	PASS
			MCH	RB1#0	5.07	13	PASS
				RB1#3	5.05	13	PASS
				RB1#5	5.08	13	PASS
				RB3#0	5.43	13	PASS
				RB3#2	5.38	13	PASS
				RB3#3	5.62	13	PASS
				RB6#0	5.82	13	PASS
			HCH	RB1#0	4.88	13	PASS
				RB1#3	4.85	13	PASS
				RB1#5	4.93	13	PASS
				RB3#0	5.42	13	PASS
				RB3#2	5.44	13	PASS
				RB3#3	5.27	13	PASS
				RB6#0	5.72	13	PASS
		3	LCH	RB1#0	5	13	PASS
				RB1#7	5.24	13	PASS
				RB1#14	5.22	13	PASS
				RB8#0	5.95	13	PASS
				RB8#4	5.84	13	PASS
				RB8#7	5.85	13	PASS
				RB15#0	5.88	13	PASS
			MCH	RB1#0	4.96	13	PASS
				RB1#7	4.78	13	PASS
				RB1#14	5.11	13	PASS
				RB8#0	5.7	13	PASS
				RB8#4	6.05	13	PASS
				RB8#7	6.15	13	PASS
				RB15#0	6.19	13	PASS
			HCH	RB1#0	4.78	13	PASS
				RB1#7	4.84	13	PASS
				RB1#14	4.88	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	5.58	13	PASS
				RB8#4	5.61	13	PASS
				RB8#7	5.65	13	PASS
				RB15#0	5.74	13	PASS
			LCH	RB1#0	5.31	13	PASS
				RB1#13	5	13	PASS
				RB1#24	5.02	13	PASS
				RB12#0	5.99	13	PASS
				RB12#6	5.65	13	PASS
				RB12#13	5.78	13	PASS
				RB25#0	5.99	13	PASS
			MCH	RB1#0	5.12	13	PASS
				RB1#13	5.1	13	PASS
				RB1#24	5.23	13	PASS
				RB12#0	6.01	13	PASS
				RB12#6	5.98	13	PASS
				RB12#13	6.05	13	PASS
				RB25#0	6.05	13	PASS
			HCH	RB1#0	4.75	13	PASS
				RB1#13	4.69	13	PASS
				RB1#24	4.91	13	PASS
				RB12#0	5.42	13	PASS
				RB12#6	5.47	13	PASS
				RB12#13	5.6	13	PASS
				RB25#0	5.81	13	PASS
		10	LCH	RB1#0	5.48	13	PASS
				RB1#25	4.86	13	PASS
				RB1#49	4.8	13	PASS
				RB25#0	5.79	13	PASS
				RB25#13	5.53	13	PASS
				RB25#25	5.65	13	PASS
				RB50#0	5.99	13	PASS
			MCH	RB1#0	5.09	13	PASS
				RB1#25	4.89	13	PASS
				RB1#49	5.03	13	PASS
				RB25#0	6.02	13	PASS
				RB25#13	6.06	13	PASS
				RB25#25	6.17	13	PASS
				RB50#0	6.37	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	5.57	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	5.15	13	PASS
				RB25#0	5.7	13	PASS
				RB25#13	5.54	13	PASS
				RB25#25	5.71	13	PASS
				RB50#0	5.78	13	PASS
		15	LCH	RB1#0	5.43	13	PASS
				RB1#38	4.79	13	PASS
				RB1#74	5.17	13	PASS
				RB38#0	5.73	13	PASS
				RB38#19	5.45	13	PASS
				RB38#39	5.57	13	PASS
				RB75#0	5.93	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#38	5.18	13	PASS
				RB1#74	5.54	13	PASS
				RB38#0	6.13	13	PASS
				RB38#19	6.16	13	PASS
				RB38#39	6.38	13	PASS
				RB75#0	6.64	13	PASS
			HCH	RB1#0	5.55	13	PASS
				RB1#38	5.1	13	PASS
				RB1#74	5.23	13	PASS
				RB38#0	5.99	13	PASS
				RB38#19	5.65	13	PASS
				RB38#39	5.47	13	PASS
				RB75#0	5.99	13	PASS
		20	LCH	RB1#0	5.48	13	PASS
				RB1#50	4.76	13	PASS
				RB1#99	5.19	13	PASS
				RB50#0	5.69	13	PASS
				RB50#25	5.53	13	PASS
				RB50#50	5.93	13	PASS
				RB100#0	5.78	13	PASS
			MCH	RB1#0	5.28	13	PASS
				RB1#50	5.26	13	PASS
				RB1#99	5.57	13	PASS
				RB50#0	6.07	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.21	13	PASS
				RB50#50	6.35	13	PASS
				RB100#0	6.78	13	PASS
			HCH	RB1#0	5.52	13	PASS
				RB1#50	5.11	13	PASS
				RB1#99	5.07	13	PASS
				RB50#0	6.47	13	PASS
				RB50#25	6.09	13	PASS
				RB50#50	5.76	13	PASS
				RB100#0	6.16	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.83	13	PASS
				RB1#3	5.69	13	PASS
				RB1#5	5.67	13	PASS
				RB3#0	6.24	13	PASS
				RB3#2	6.14	13	PASS
				RB3#3	6.18	13	PASS
				RB6#0	6.67	13	PASS
			MCH	RB1#0	5.79	13	PASS
				RB1#3	5.65	13	PASS
				RB1#5	5.66	13	PASS
				RB3#0	6.01	13	PASS
				RB3#2	6.07	13	PASS
				RB3#3	6.14	13	PASS
				RB6#0	6.41	13	PASS
			HCH	RB1#0	5.11	13	PASS
				RB1#3	5.01	13	PASS
				RB1#5	5.14	13	PASS
				RB3#0	5.75	13	PASS
				RB3#2	5.78	13	PASS
				RB3#3	5.94	13	PASS
				RB6#0	6.09	13	PASS
		3	LCH	RB1#0	6.2	13	PASS
				RB1#7	5.61	13	PASS
				RB1#14	5.73	13	PASS
				RB8#0	6.36	13	PASS
				RB8#4	6	13	PASS
				RB8#7	6.04	13	PASS
				RB15#0	6.47	13	PASS
			MCH	RB1#0	6	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.48	13	PASS
				RB1#14	5.84	13	PASS
				RB8#0	6.21	13	PASS
				RB8#4	6.24	13	PASS
				RB8#7	6.21	13	PASS
				RB15#0	6.47	13	PASS
			HCH	RB1#0	5.43	13	PASS
				RB1#7	5.27	13	PASS
				RB1#14	5.36	13	PASS
				RB8#0	5.7	13	PASS
				RB8#4	5.68	13	PASS
				RB8#7	5.83	13	PASS
				RB15#0	6.27	13	PASS
		5	LCH	RB1#0	6.15	13	PASS
				RB1#13	5.5	13	PASS
				RB1#24	5.46	13	PASS
				RB12#0	6.21	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	6.02	13	PASS
				RB25#0	6.37	13	PASS
			MCH	RB1#0	5.8	13	PASS
				RB1#13	5.72	13	PASS
				RB1#24	5.79	13	PASS
				RB12#0	6.47	13	PASS
				RB12#6	6.36	13	PASS
				RB12#13	6.54	13	PASS
				RB25#0	6.82	13	PASS
			HCH	RB1#0	5.18	13	PASS
				RB1#13	5.13	13	PASS
				RB1#24	5.55	13	PASS
				RB12#0	5.7	13	PASS
				RB12#6	5.66	13	PASS
				RB12#13	5.9	13	PASS
				RB25#0	6.06	13	PASS
		10	LCH	RB1#0	6.07	13	PASS
				RB1#25	5.08	13	PASS
				RB1#49	5.02	13	PASS
				RB25#0	6.11	13	PASS
				RB25#13	5.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	5.87	13	PASS
				RB50#0	6.32	13	PASS
			MCH	RB1#0	5.75	13	PASS
				RB1#25	5.88	13	PASS
				RB1#49	6.01	13	PASS
				RB25#0	6.45	13	PASS
				RB25#13	6.56	13	PASS
				RB25#25	6.67	13	PASS
				RB50#0	6.72	13	PASS
			HCH	RB1#0	5.7	13	PASS
				RB1#25	5.11	13	PASS
				RB1#49	5.36	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	5.76	13	PASS
				RB25#25	5.97	13	PASS
				RB50#0	6.26	13	PASS
		15	LCH	RB1#0	6.05	13	PASS
				RB1#38	5.12	13	PASS
				RB1#74	5.75	13	PASS
				RB38#0	6.02	13	PASS
				RB38#19	5.68	13	PASS
				RB38#39	5.8	13	PASS
				RB75#0	6.4	13	PASS
			MCH	RB1#0	5.67	13	PASS
				RB1#38	6.1	13	PASS
				RB1#74	6.35	13	PASS
				RB38#0	6.47	13	PASS
				RB38#19	6.47	13	PASS
				RB38#39	6.81	13	PASS
				RB75#0	7.12	13	PASS
			HCH	RB1#0	6.44	13	PASS
				RB1#38	5.23	13	PASS
				RB1#74	5.56	13	PASS
				RB38#0	6.51	13	PASS
				RB38#19	5.96	13	PASS
				RB38#39	5.78	13	PASS
				RB75#0	6.56	13	PASS
		20	LCH	RB1#0	5.65	13	PASS
				RB1#50	4.79	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	5.65	13	PASS
				RB50#0	5.99	13	PASS
				RB50#25	5.83	13	PASS
				RB50#50	6.27	13	PASS
				RB100#0	6.44	13	PASS
			MCH	RB1#0	5.47	13	PASS
				RB1#50	5.58	13	PASS
				RB1#99	5.89	13	PASS
				RB50#0	6.41	13	PASS
				RB50#25	6.54	13	PASS
				RB50#50	6.82	13	PASS
				RB100#0	7.31	13	PASS
			HCH	RB1#0	5.81	13	PASS
				RB1#50	5.32	13	PASS
				RB1#99	5.08	13	PASS
				RB50#0	6.97	13	PASS
				RB50#25	6.34	13	PASS
				RB50#50	5.87	13	PASS
				RB100#0	6.65	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

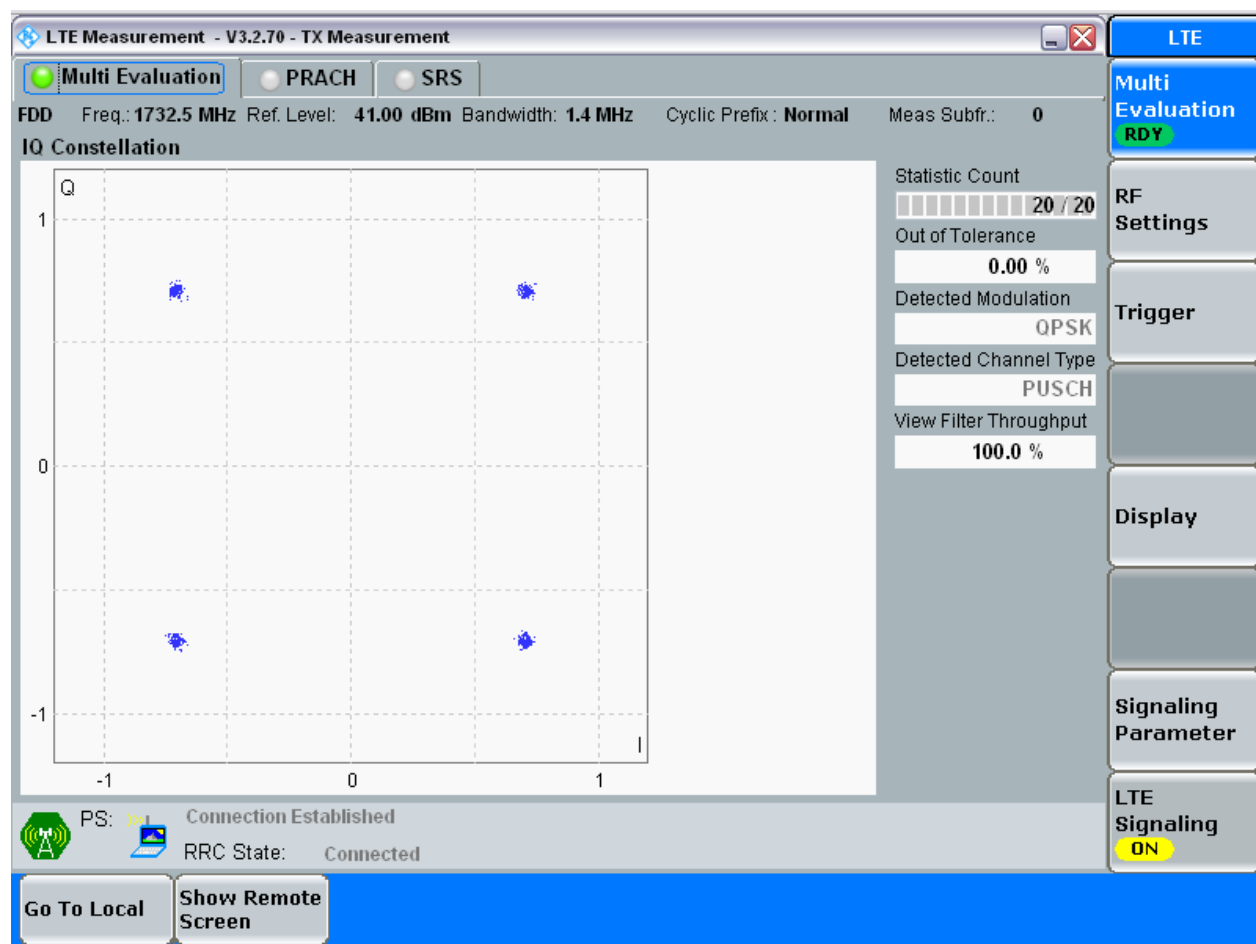
3.1.1 Test Band = BAND4

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

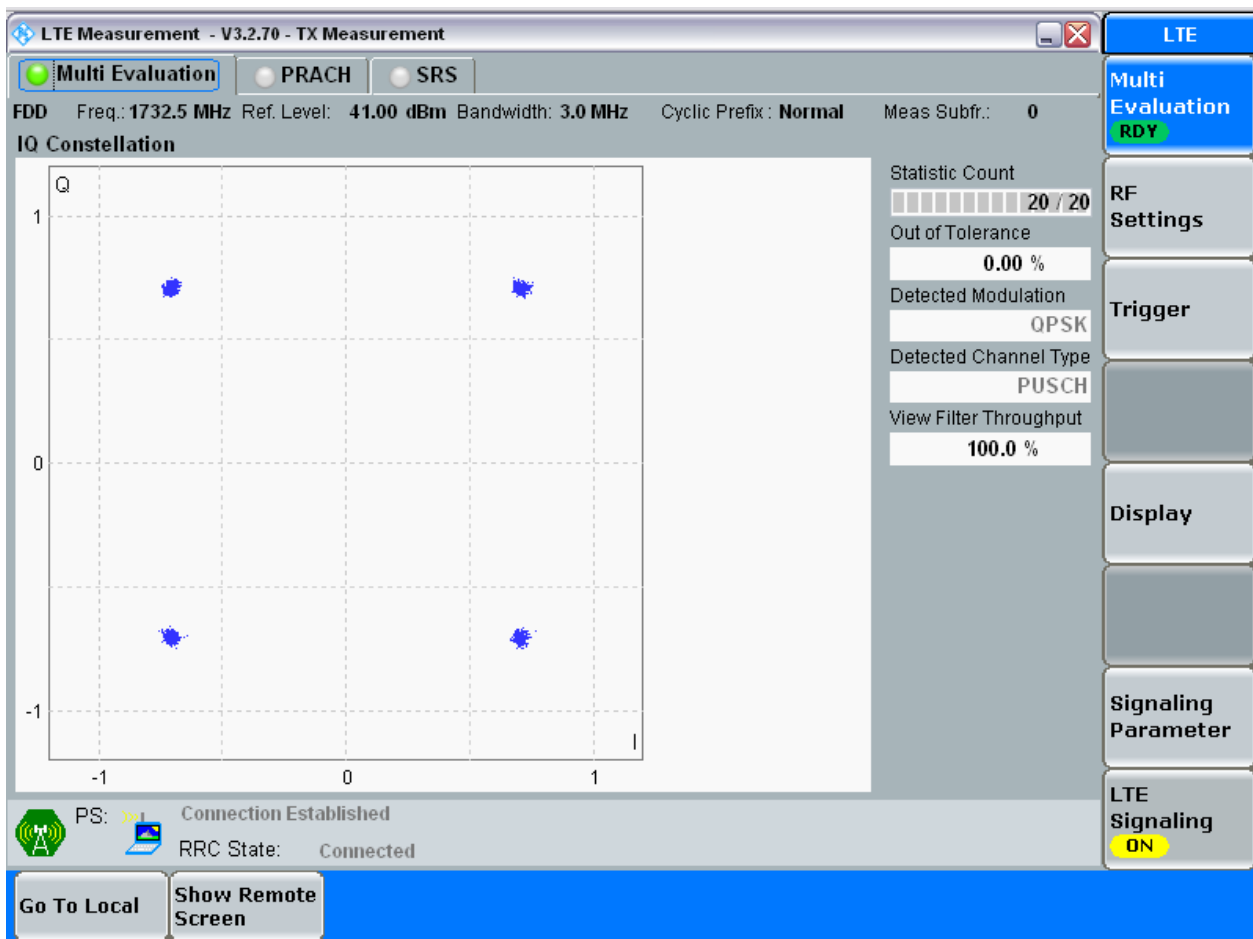
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

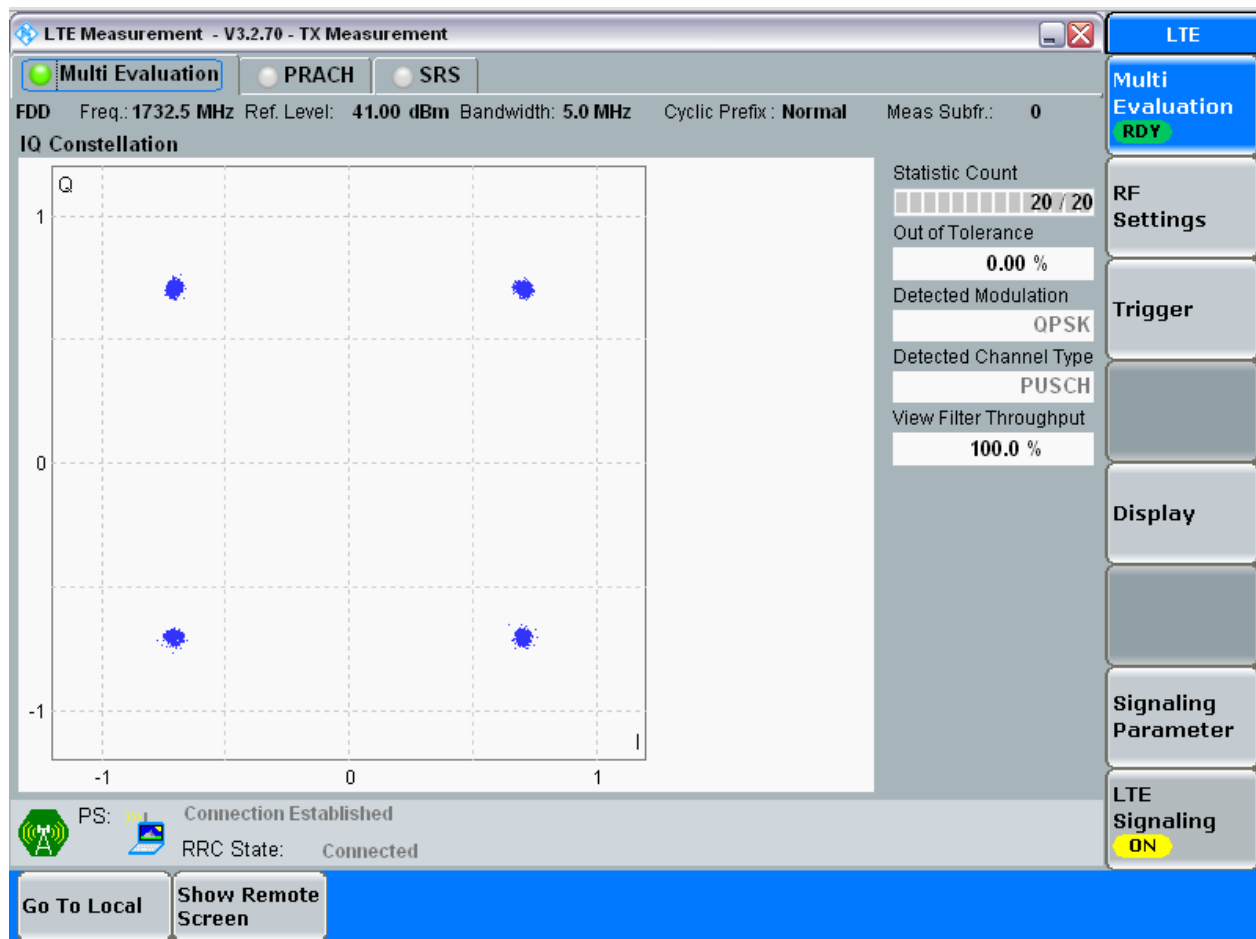
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

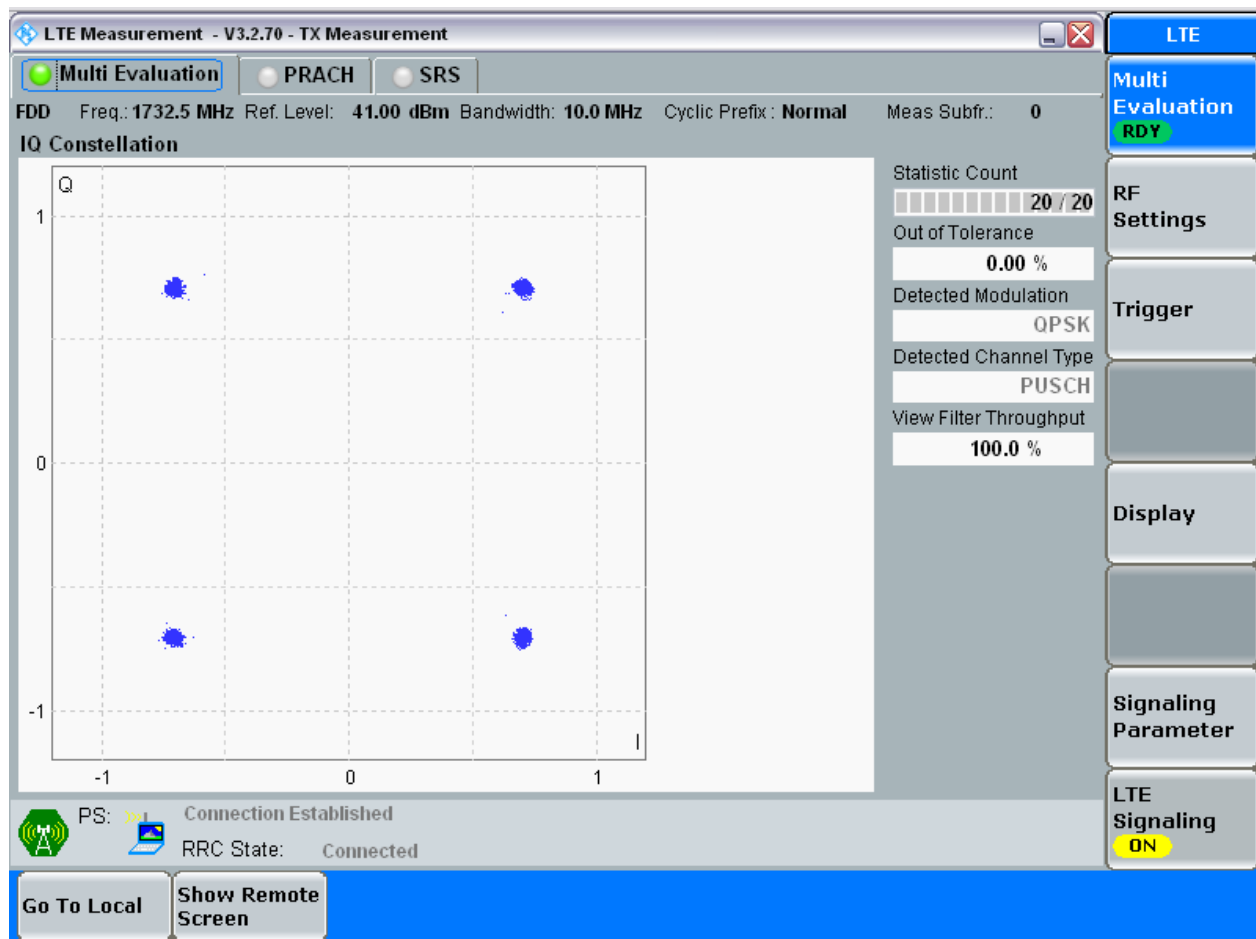
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

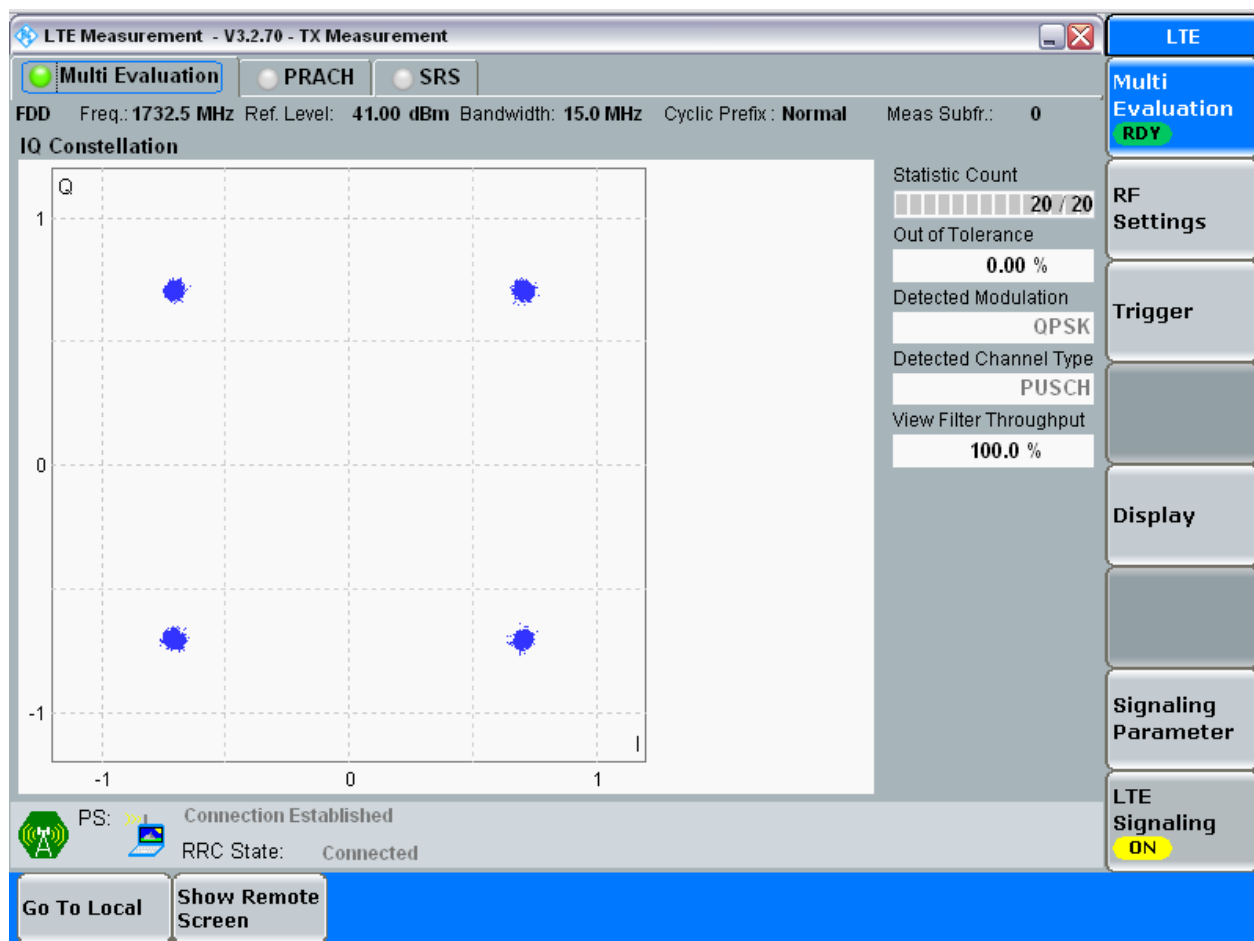
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

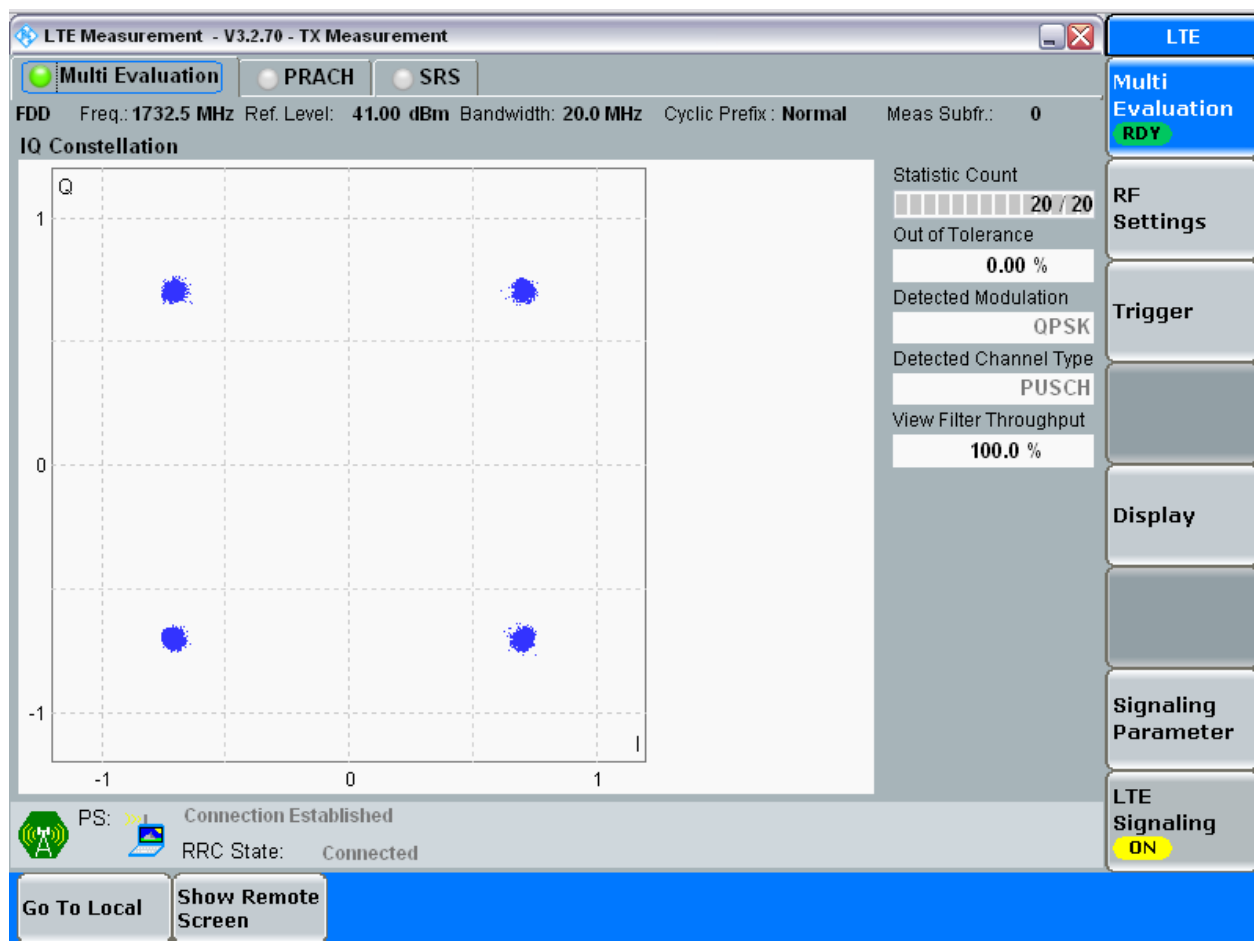
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

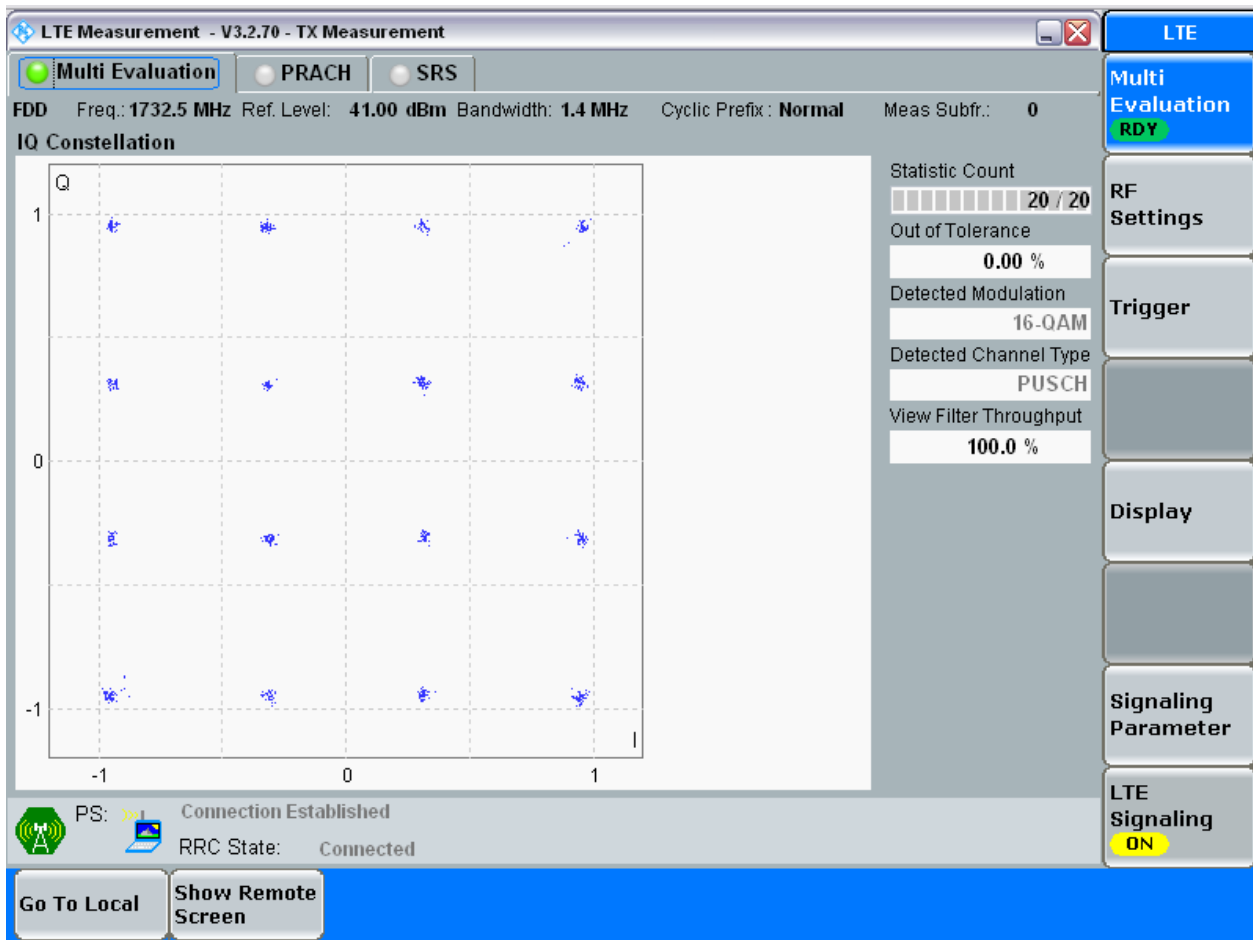


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

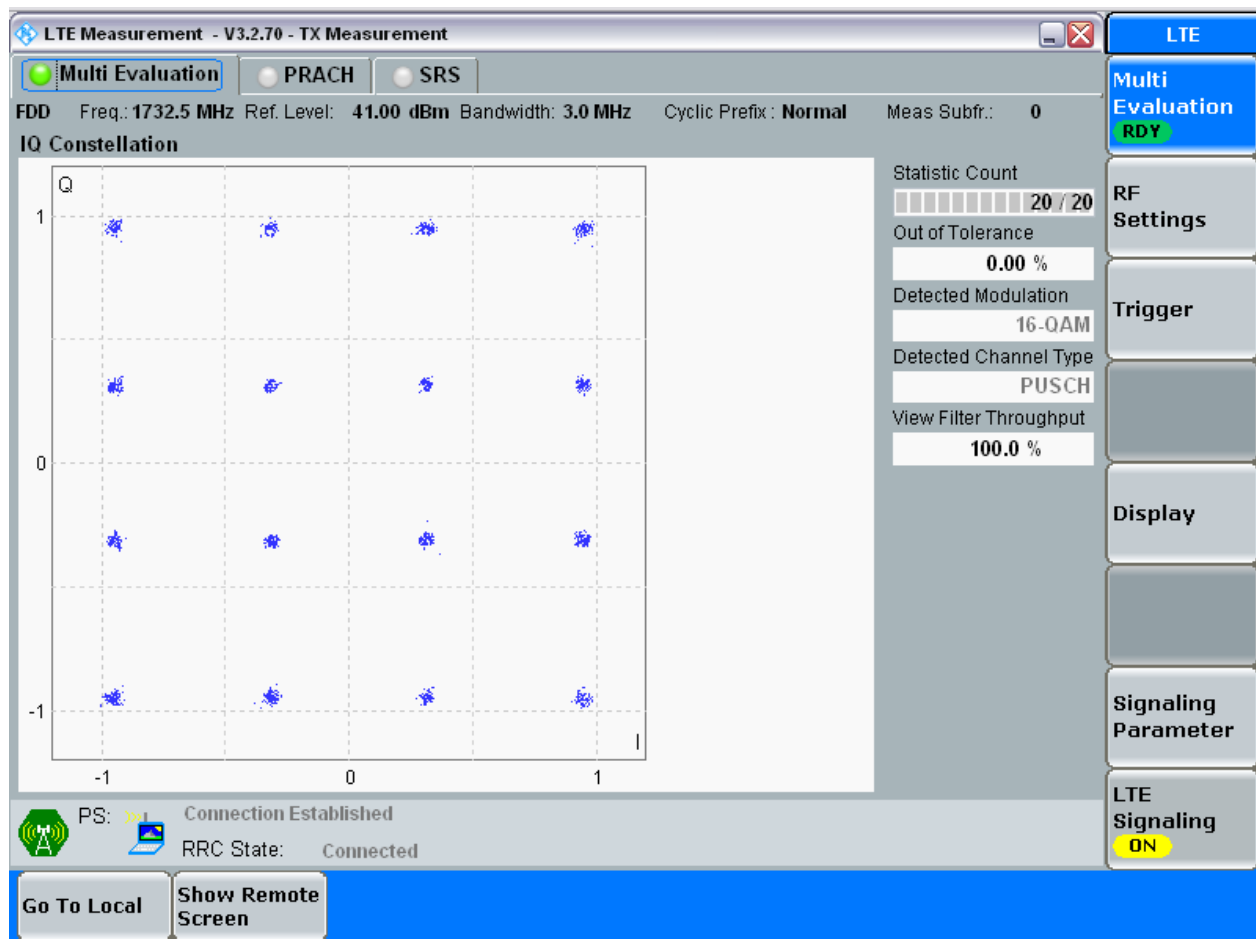
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

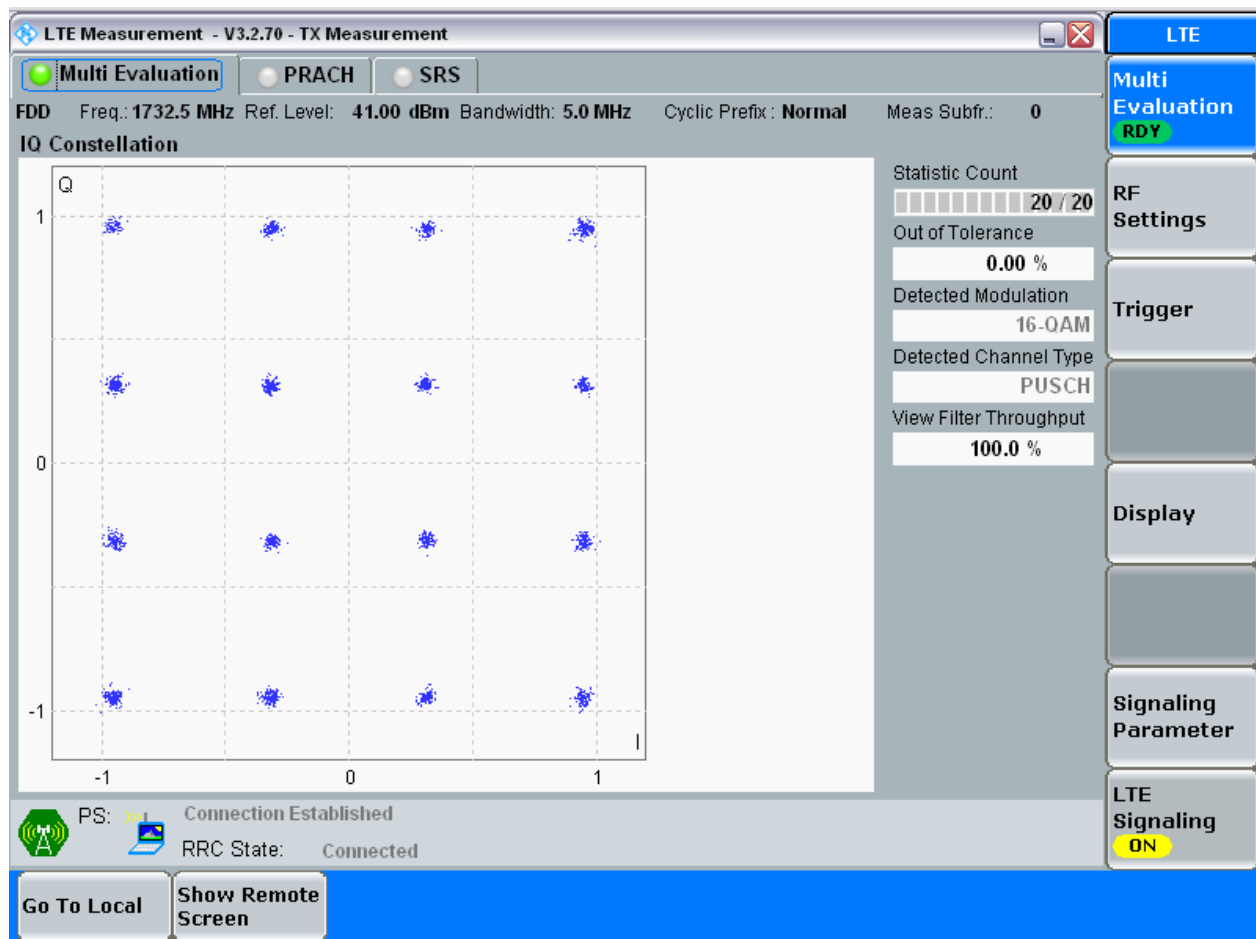
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

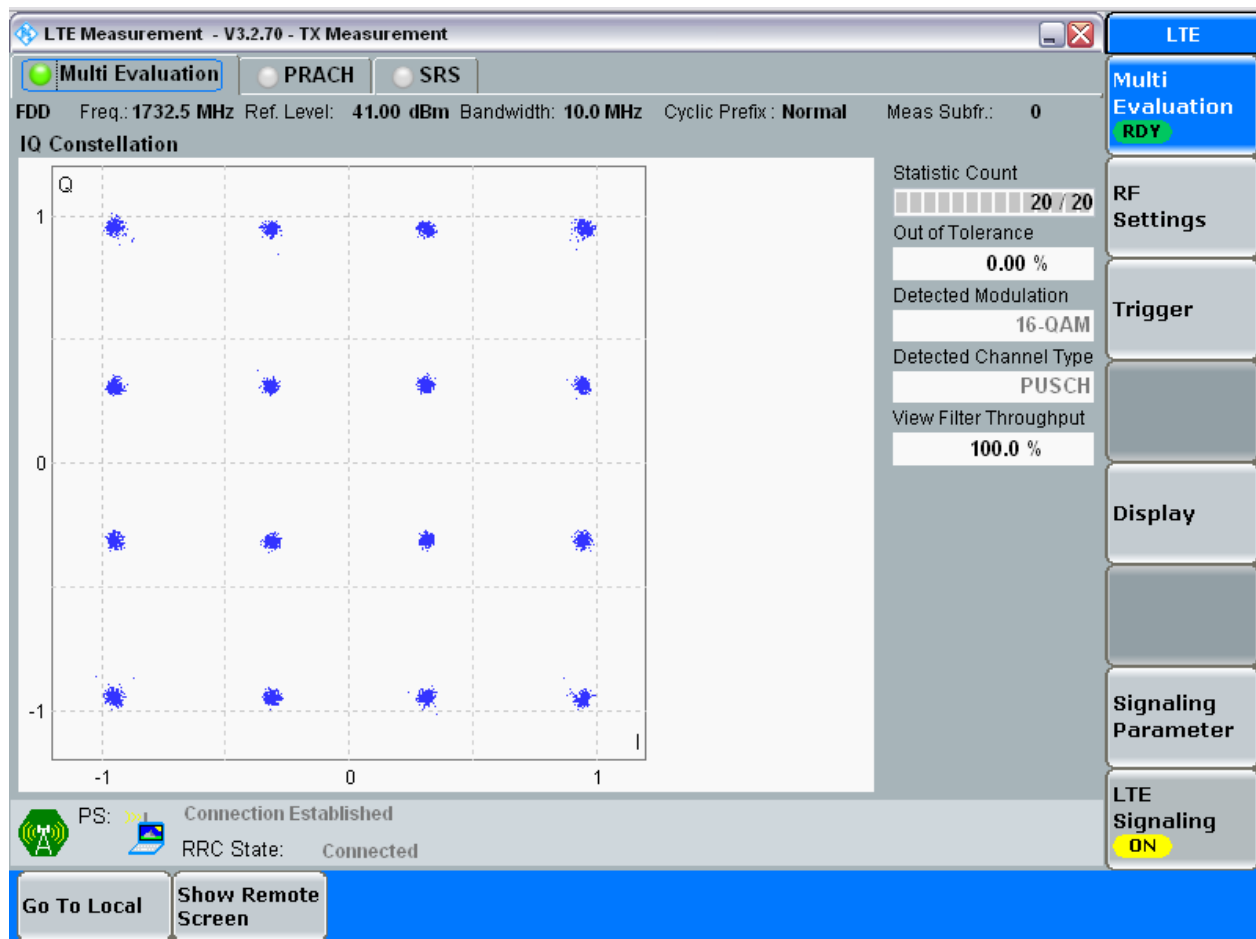
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

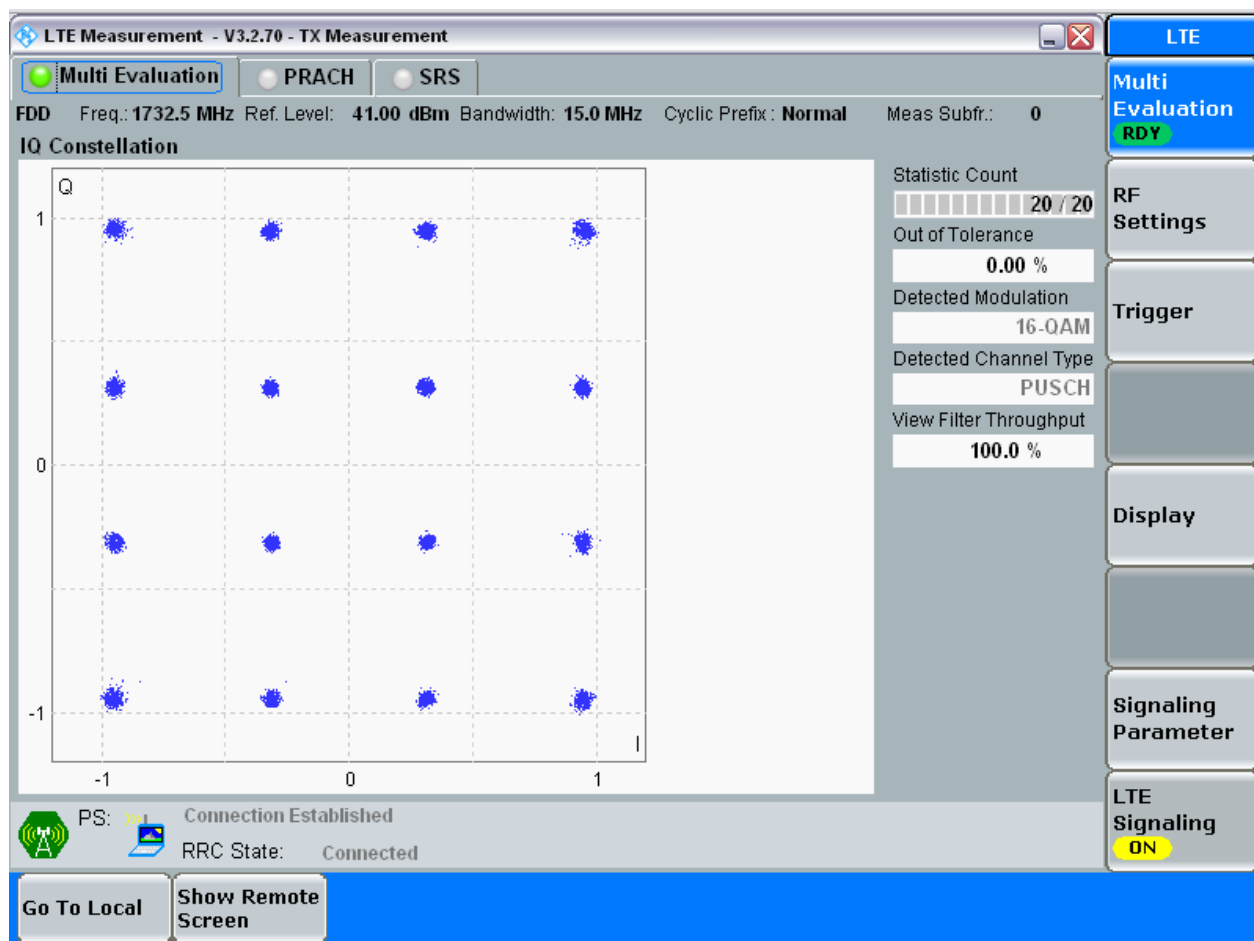
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

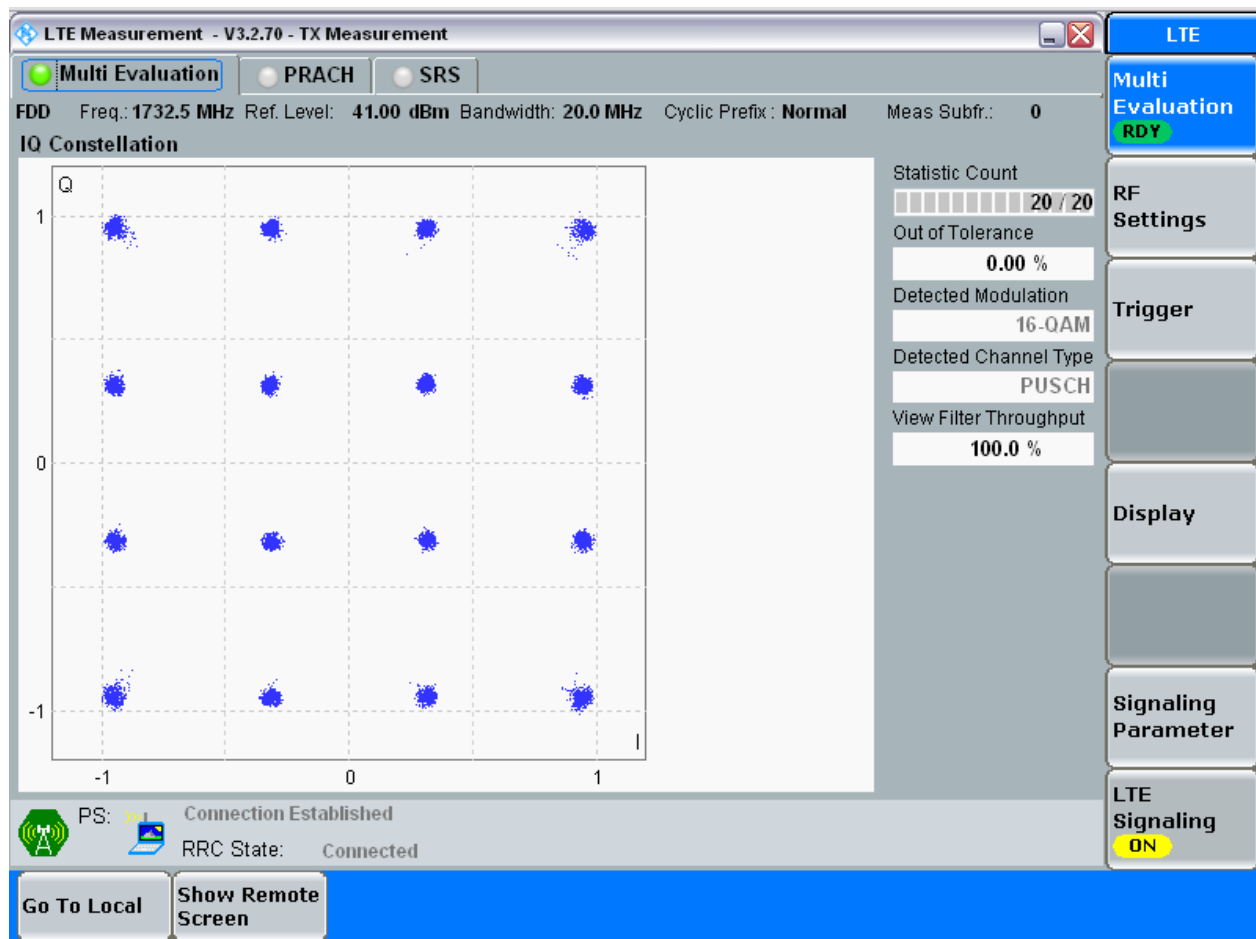
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0





4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.98	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.50	4.97	Pass
			MCH	RB25#0	4.51	4.95	Pass
			HCH	RB25#0	4.51	4.95	Pass
		10	LCH	RB50#0	9.00	9.91	Pass
			MCH	RB50#0	9.01	9.93	Pass
			HCH	RB50#0	8.98	9.88	Pass
		15	LCH	RB75#0	13.45	14.92	Pass
			MCH	RB75#0	13.53	15.06	Pass
			HCH	RB75#0	13.40	14.85	Pass
		20	LCH	RB100#0	17.89	19.62	Pass
			MCH	RB100#0	18.08	20.01	Pass
			HCH	RB100#0	17.86	19.60	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.25	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.72	2.99	Pass
		5	LCH	RB25#0	4.51	4.95	Pass
			MCH	RB25#0	4.52	5.00	Pass
			HCH	RB25#0	4.50	4.97	Pass
		10	LCH	RB50#0	8.97	9.90	Pass
			MCH	RB50#0	9.01	9.91	Pass
			HCH	RB50#0	9.00	9.92	Pass
		15	LCH	RB75#0	13.46	14.92	Pass
			MCH	RB75#0	13.52	15.12	Pass
			HCH	RB75#0	13.44	14.89	Pass
		20	LCH	RB100#0	17.91	19.68	Pass
			MCH	RB100#0	18.10	19.79	Pass
			HCH	RB100#0	17.86	19.69	Pass



Part II - Test Plots

4.1 For LTE

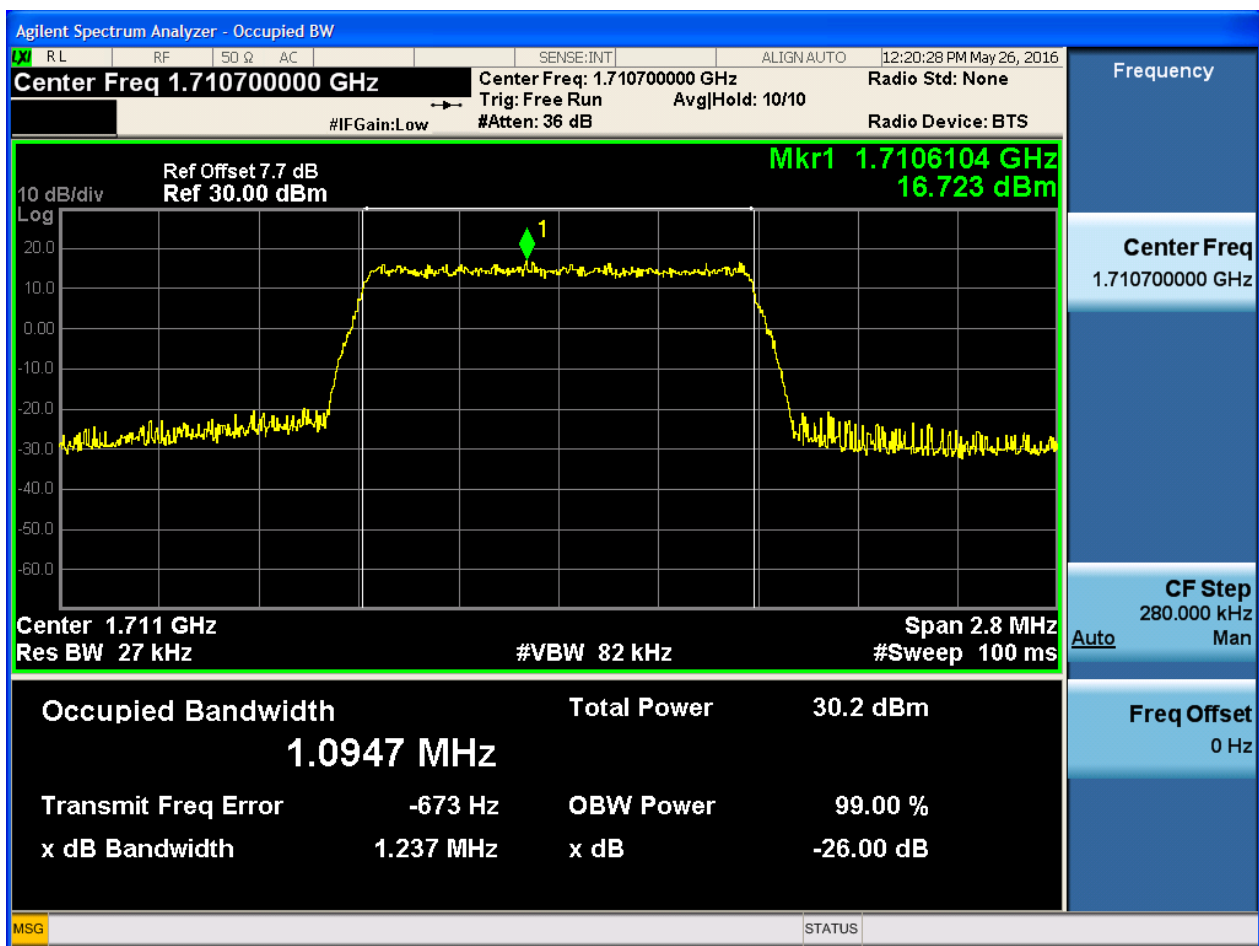
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

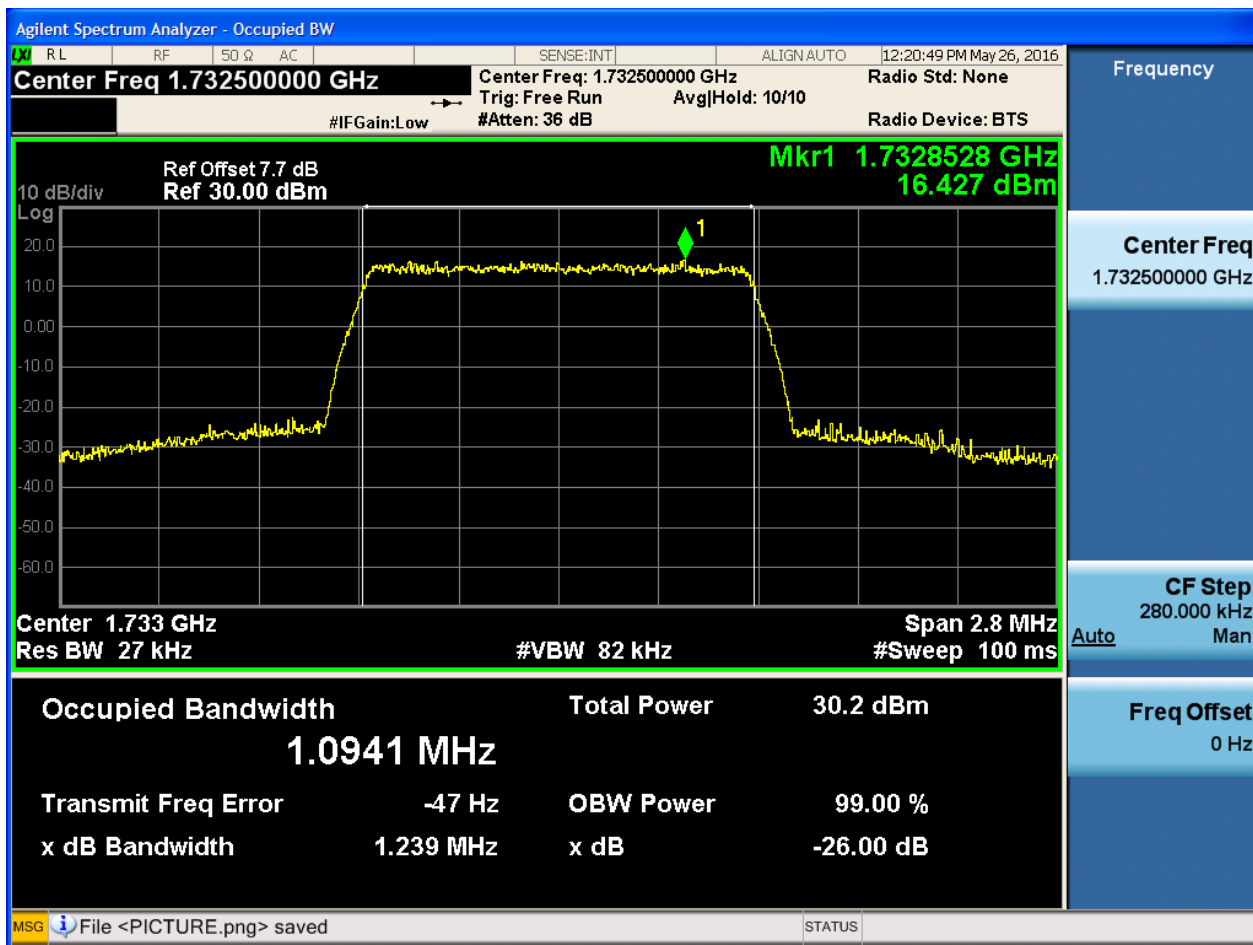
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

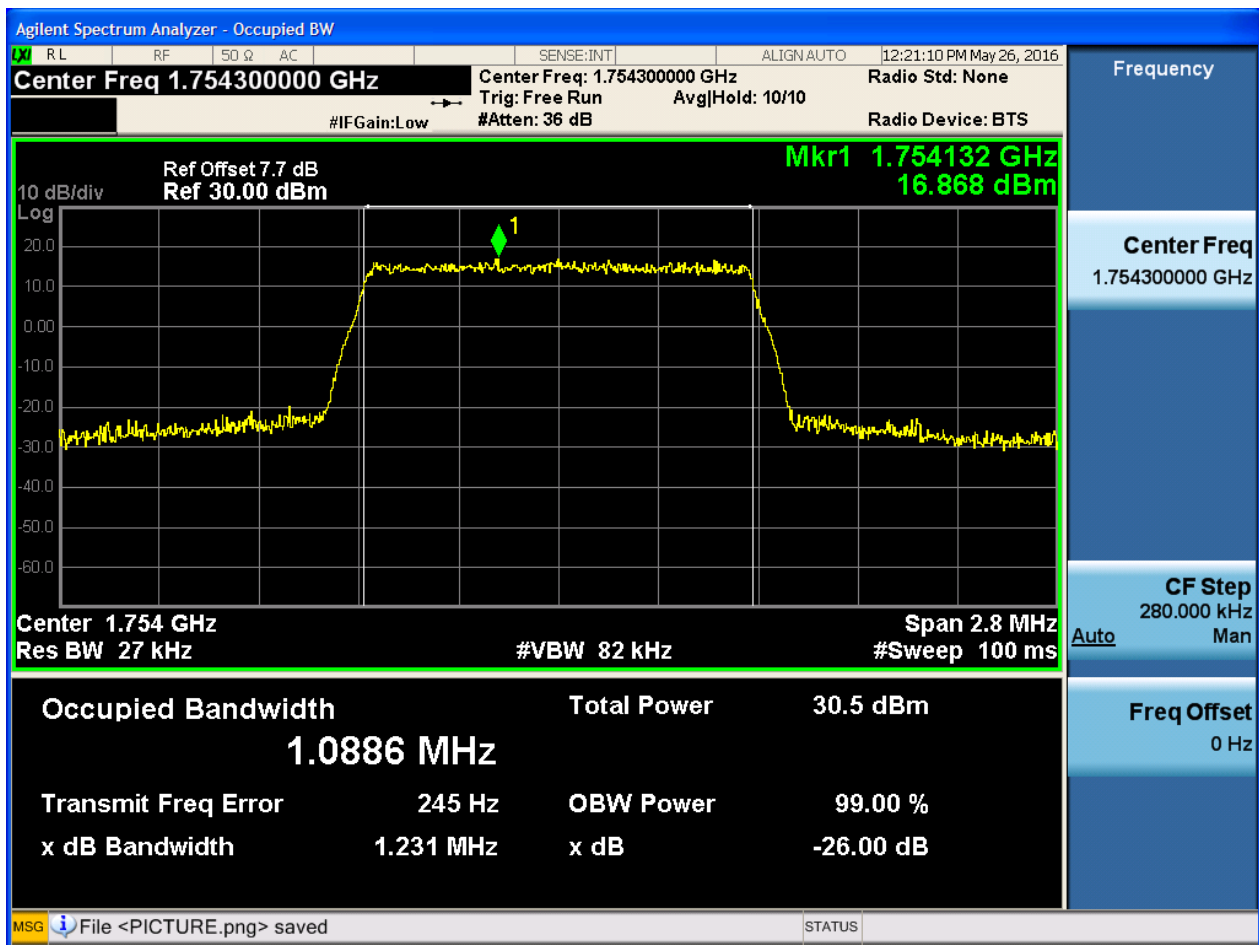
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

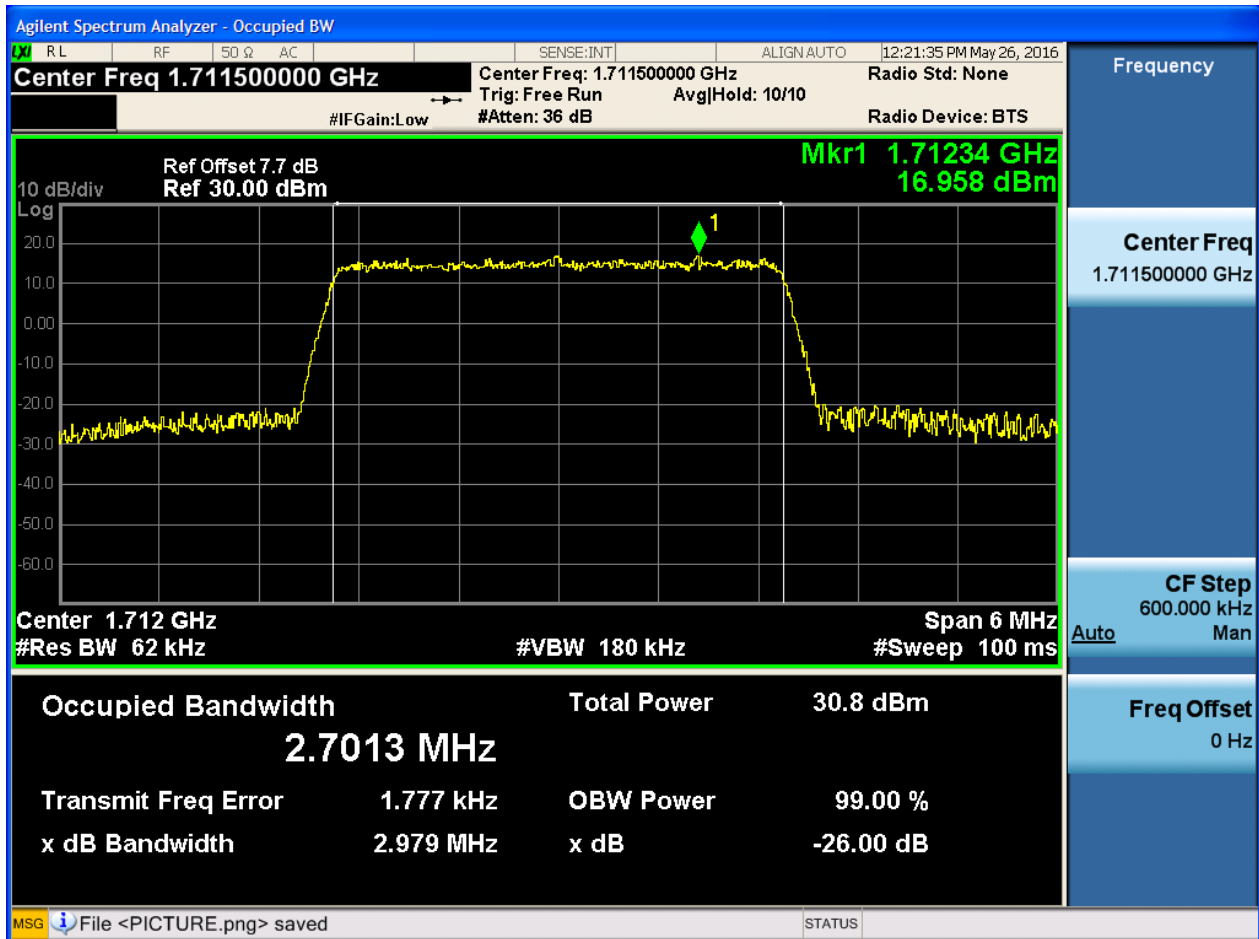




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

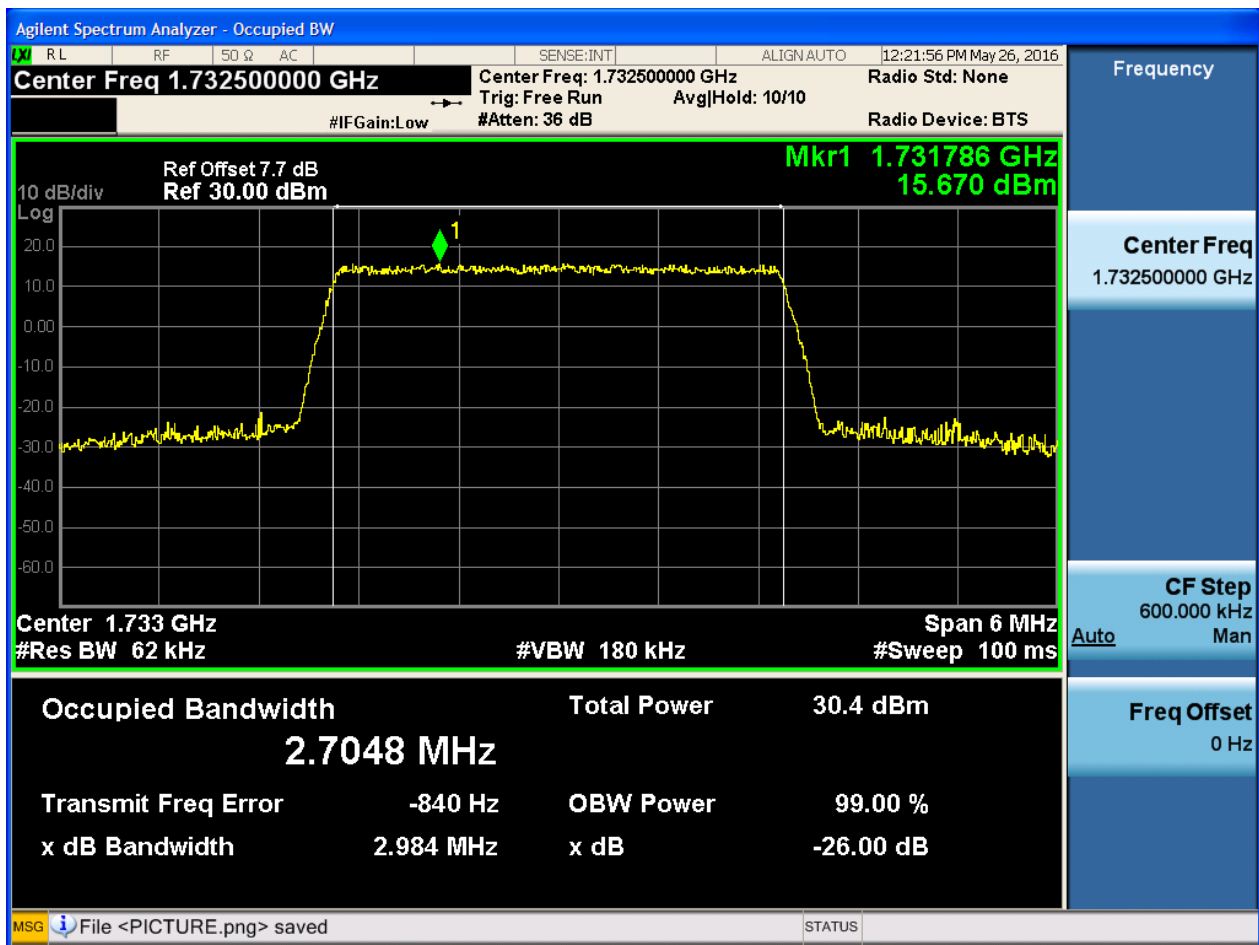
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

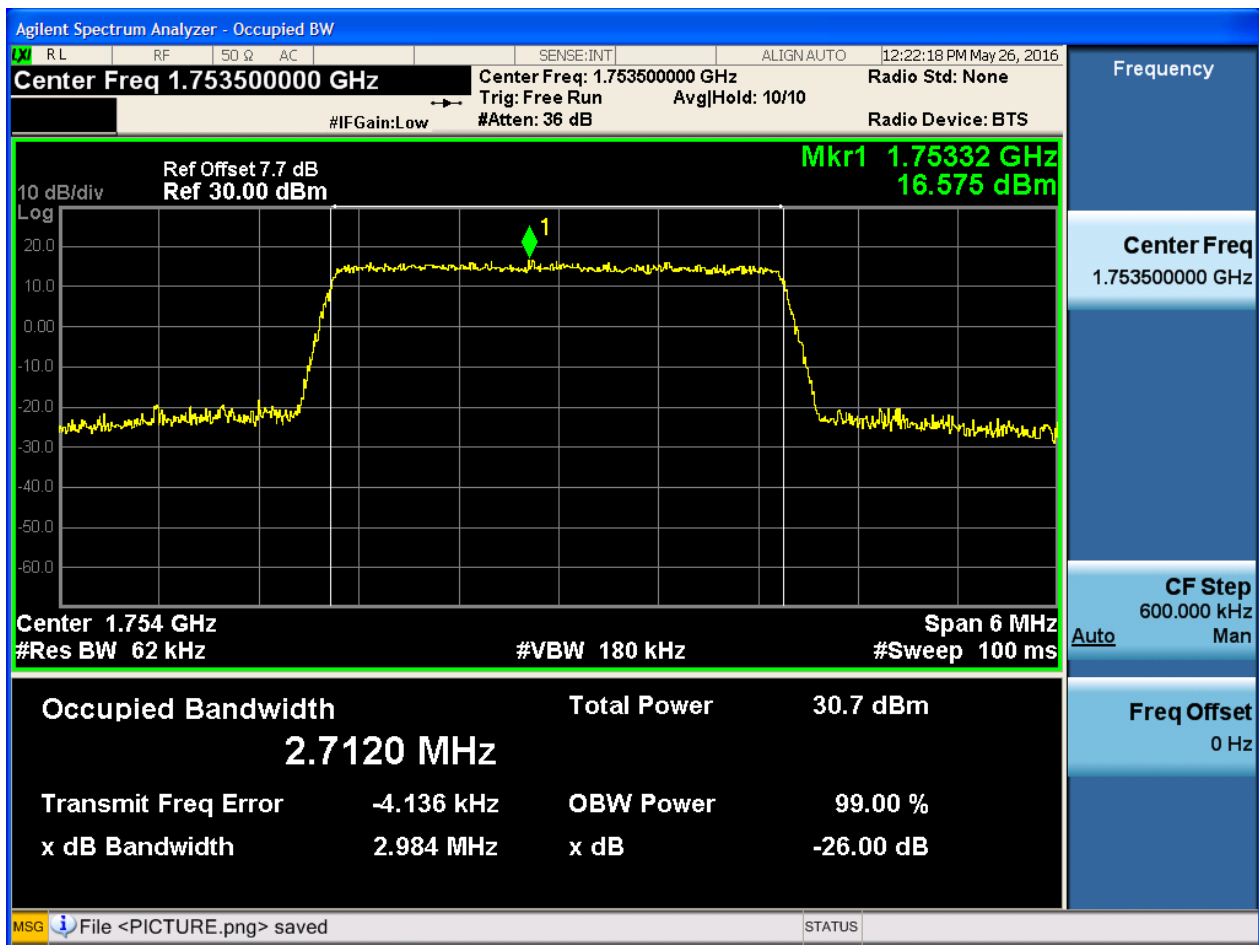
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

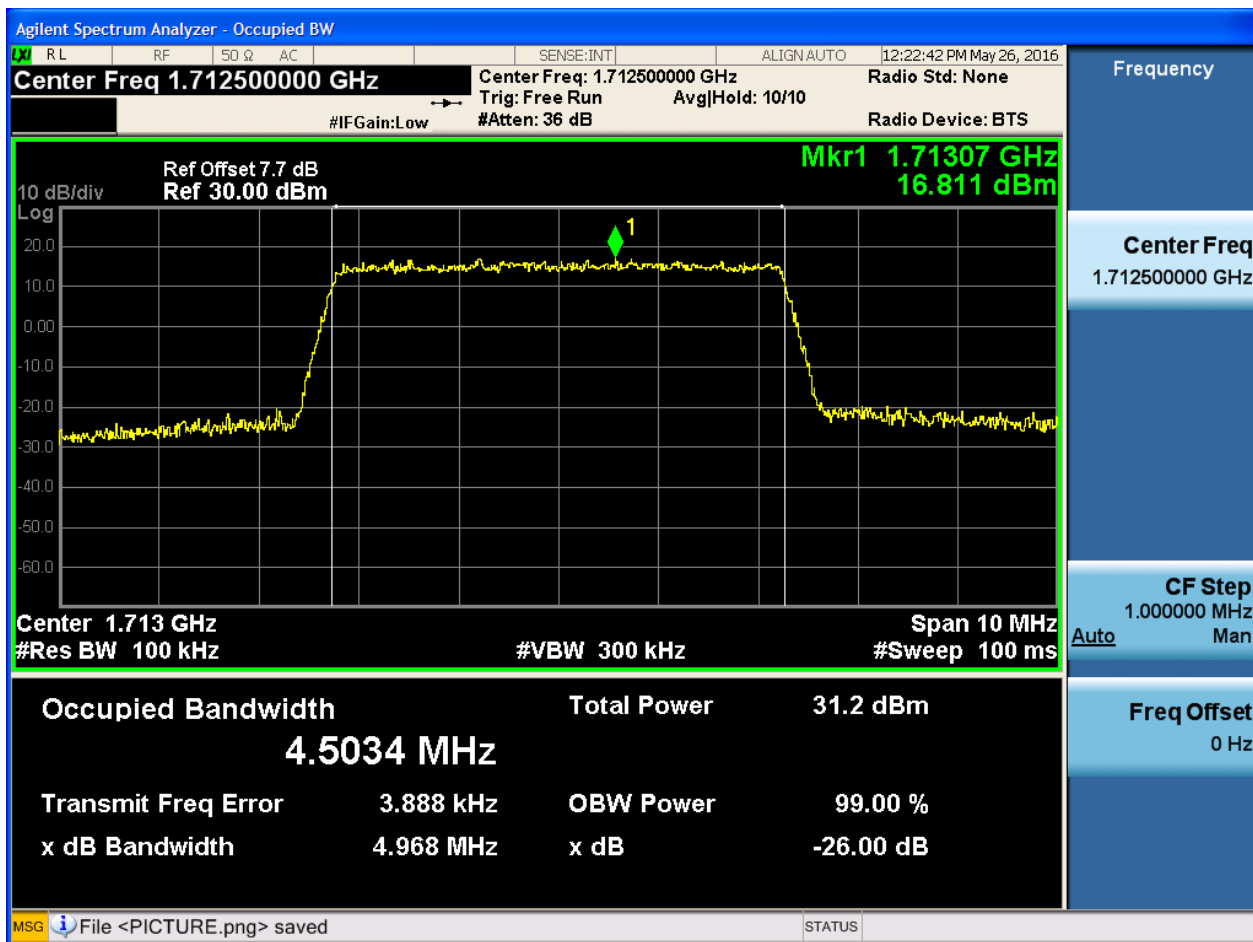




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

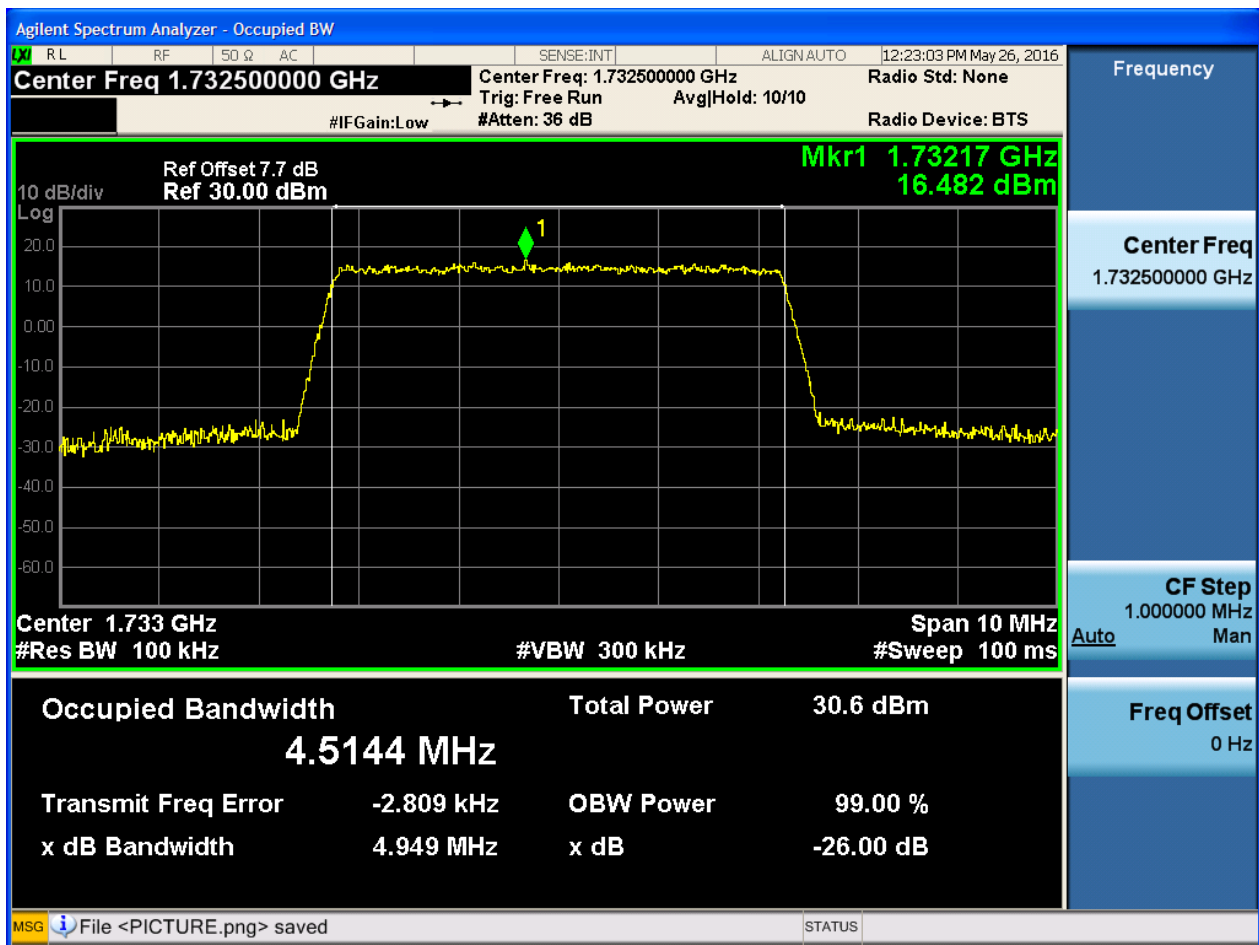
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

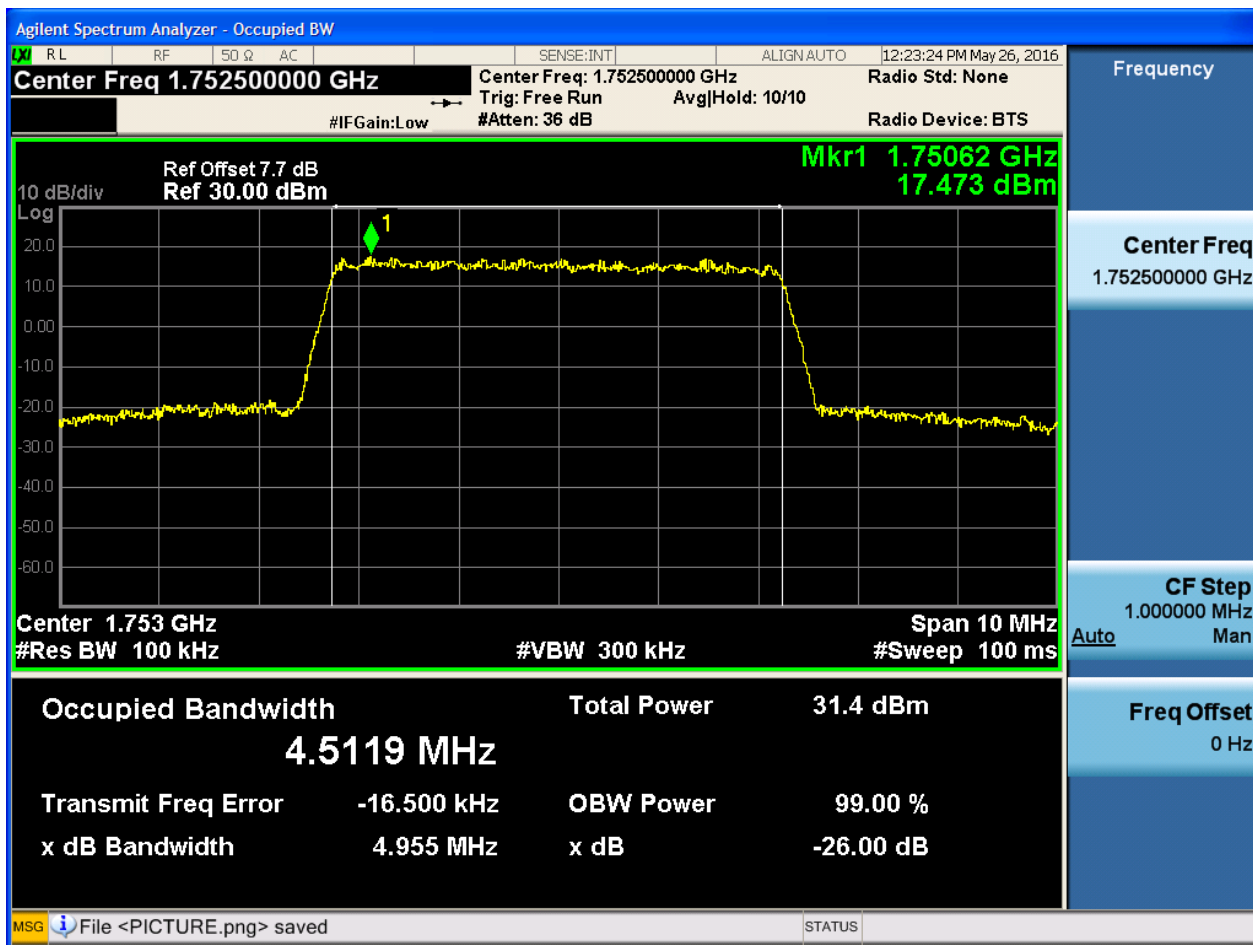
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

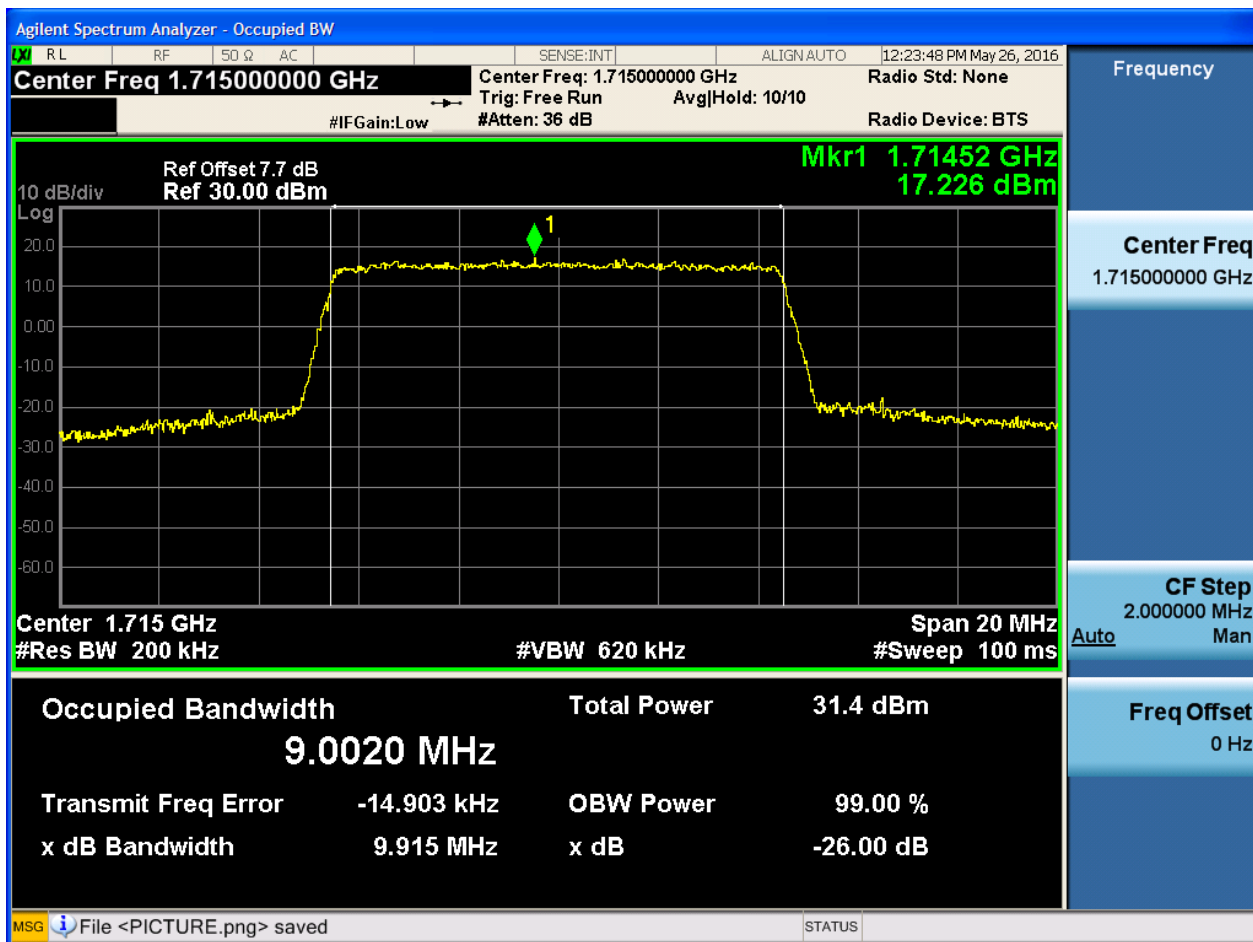




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

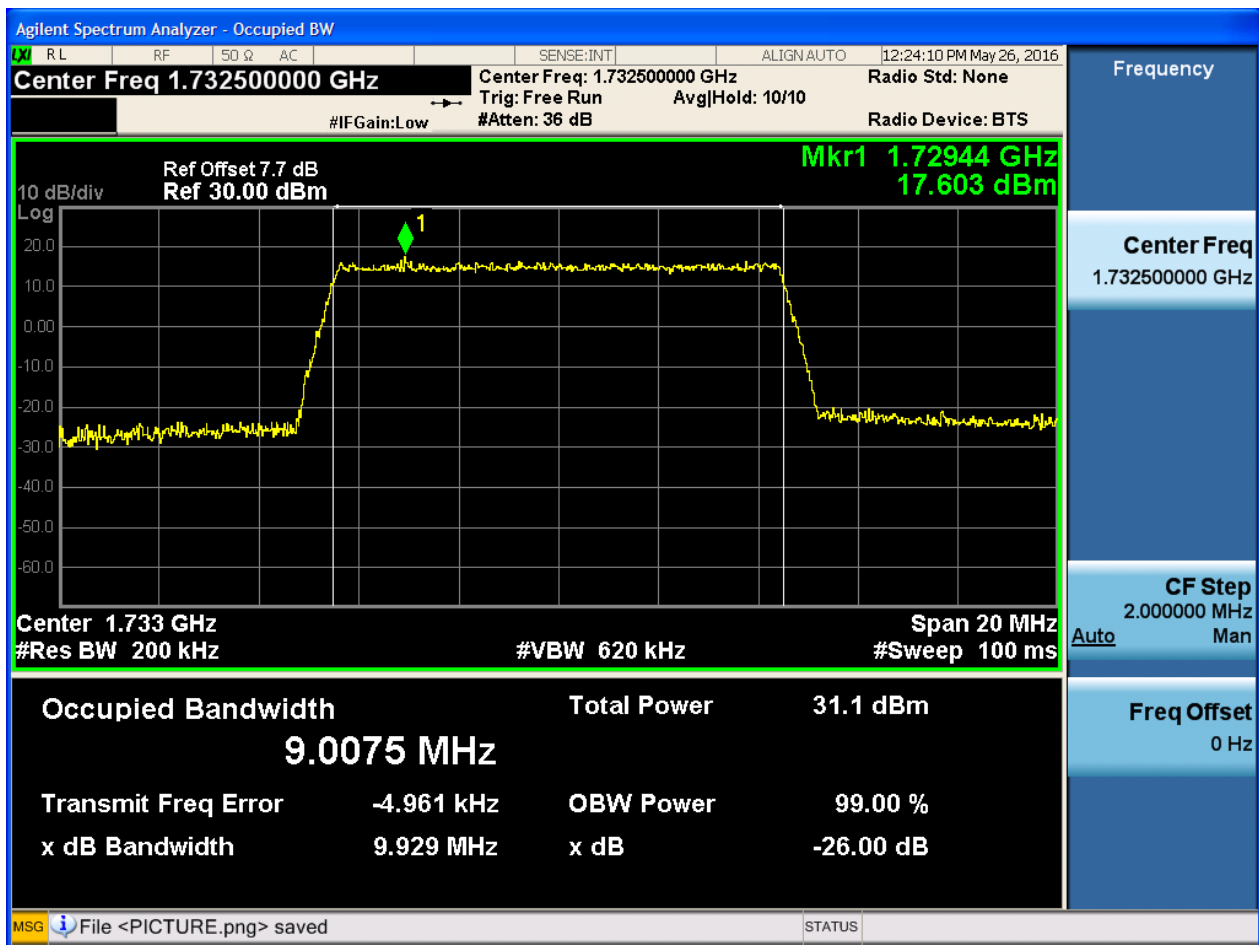
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

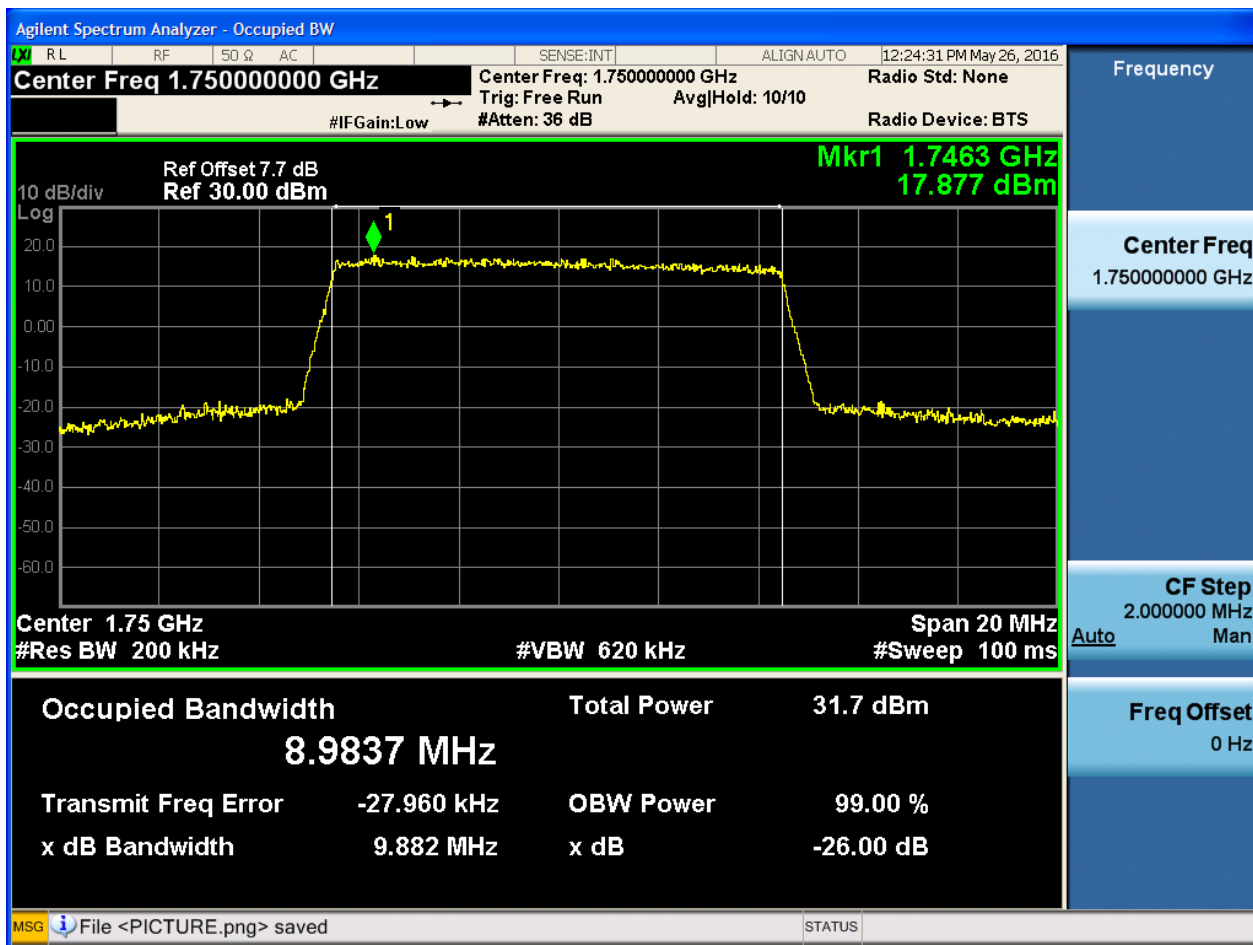
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

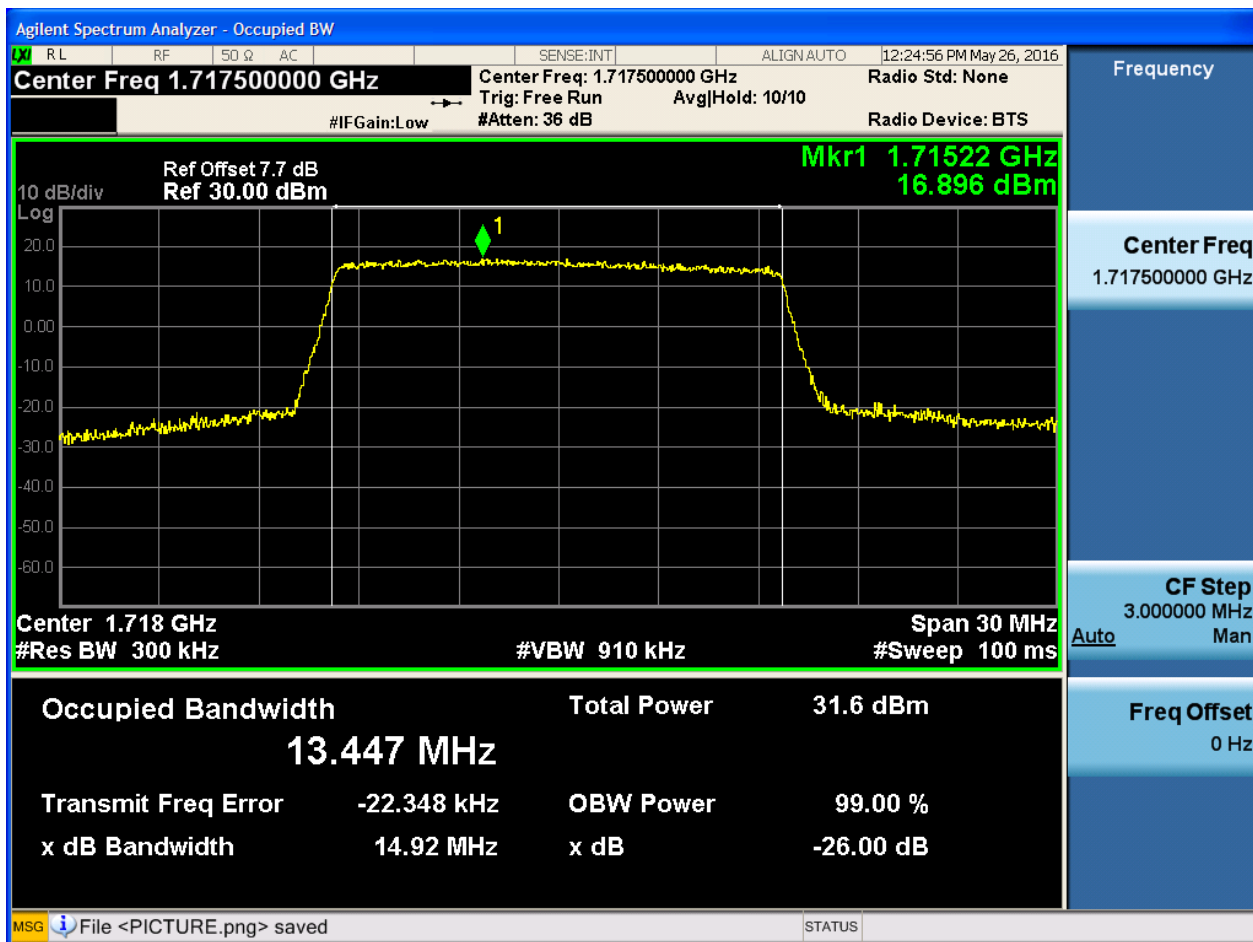




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

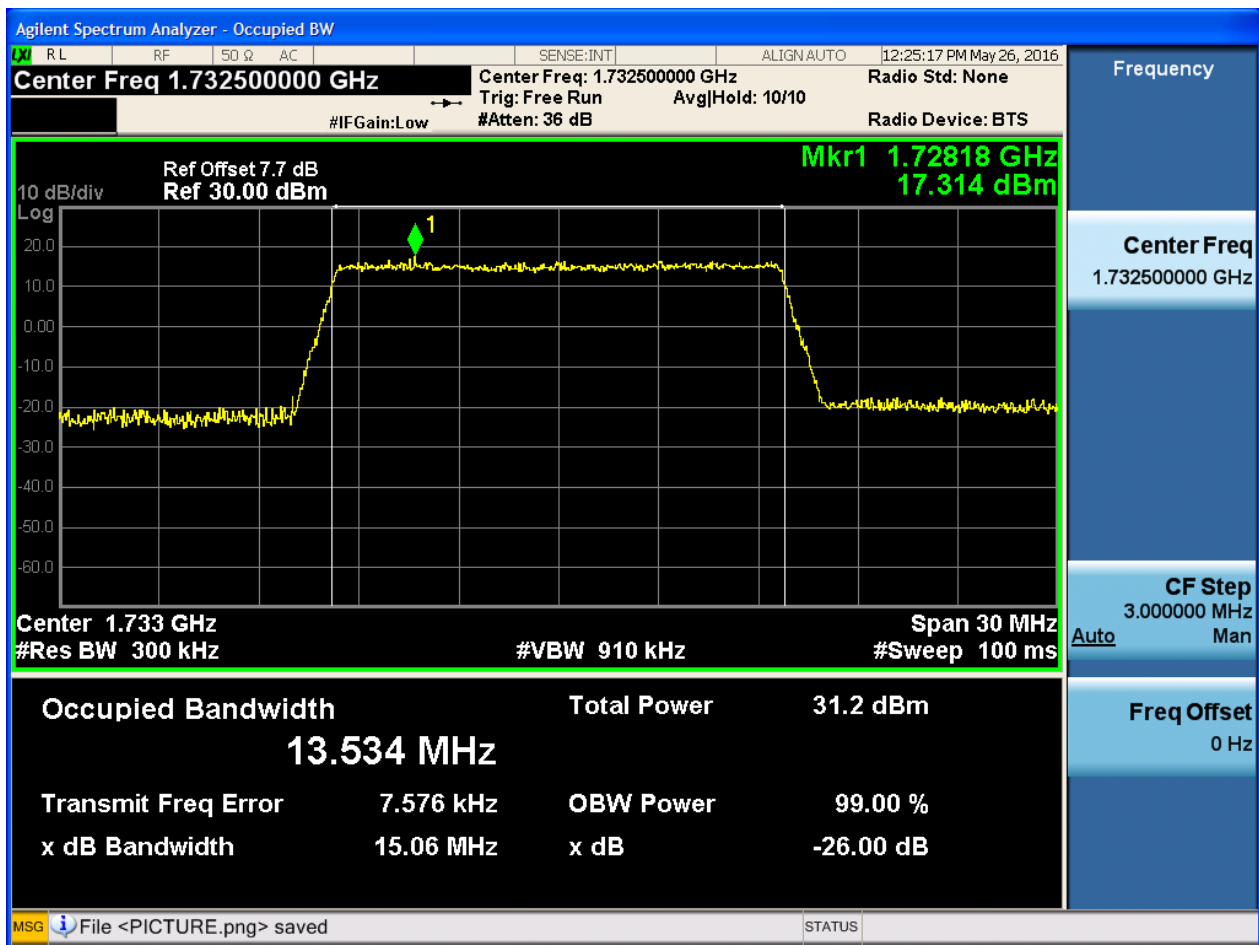
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

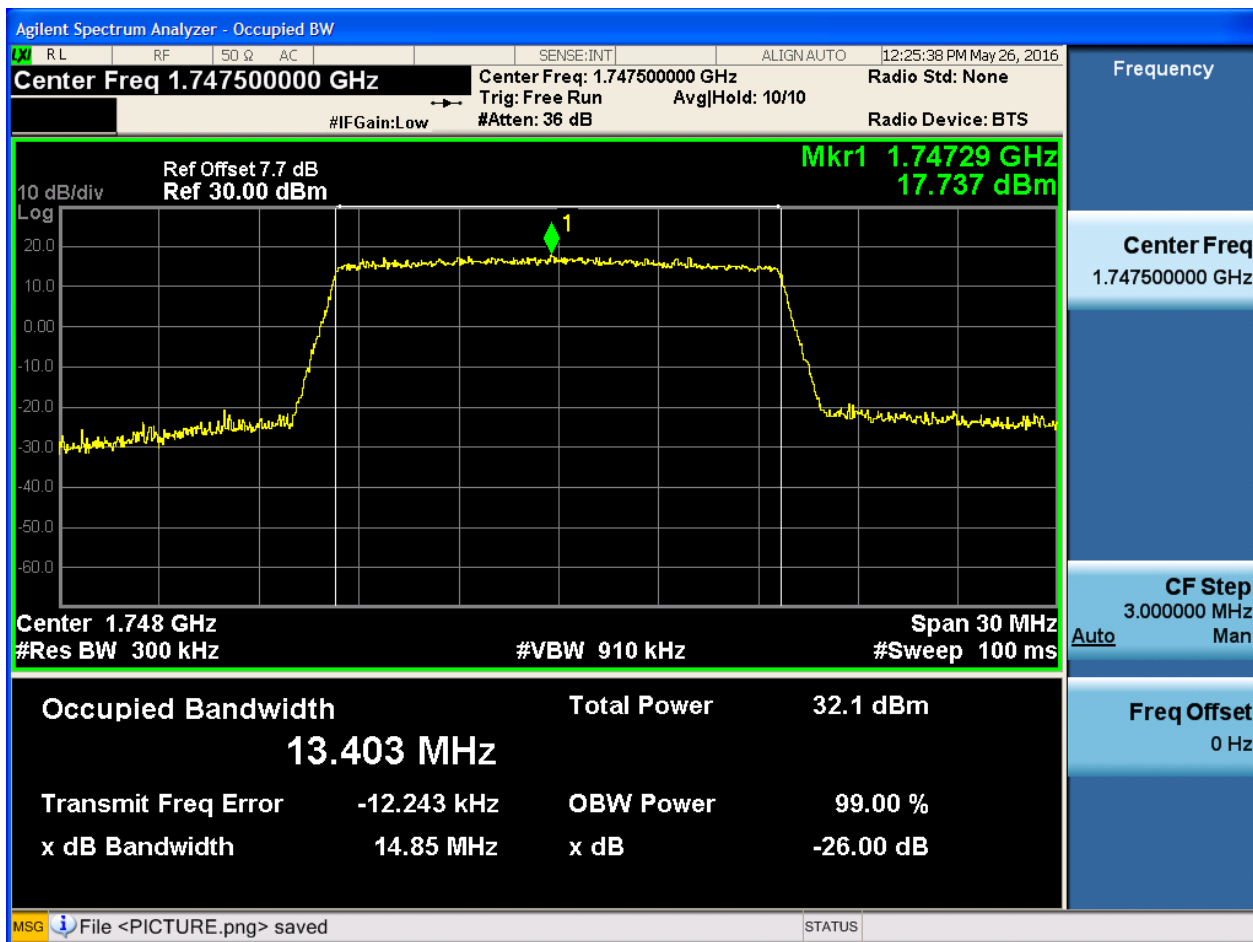
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

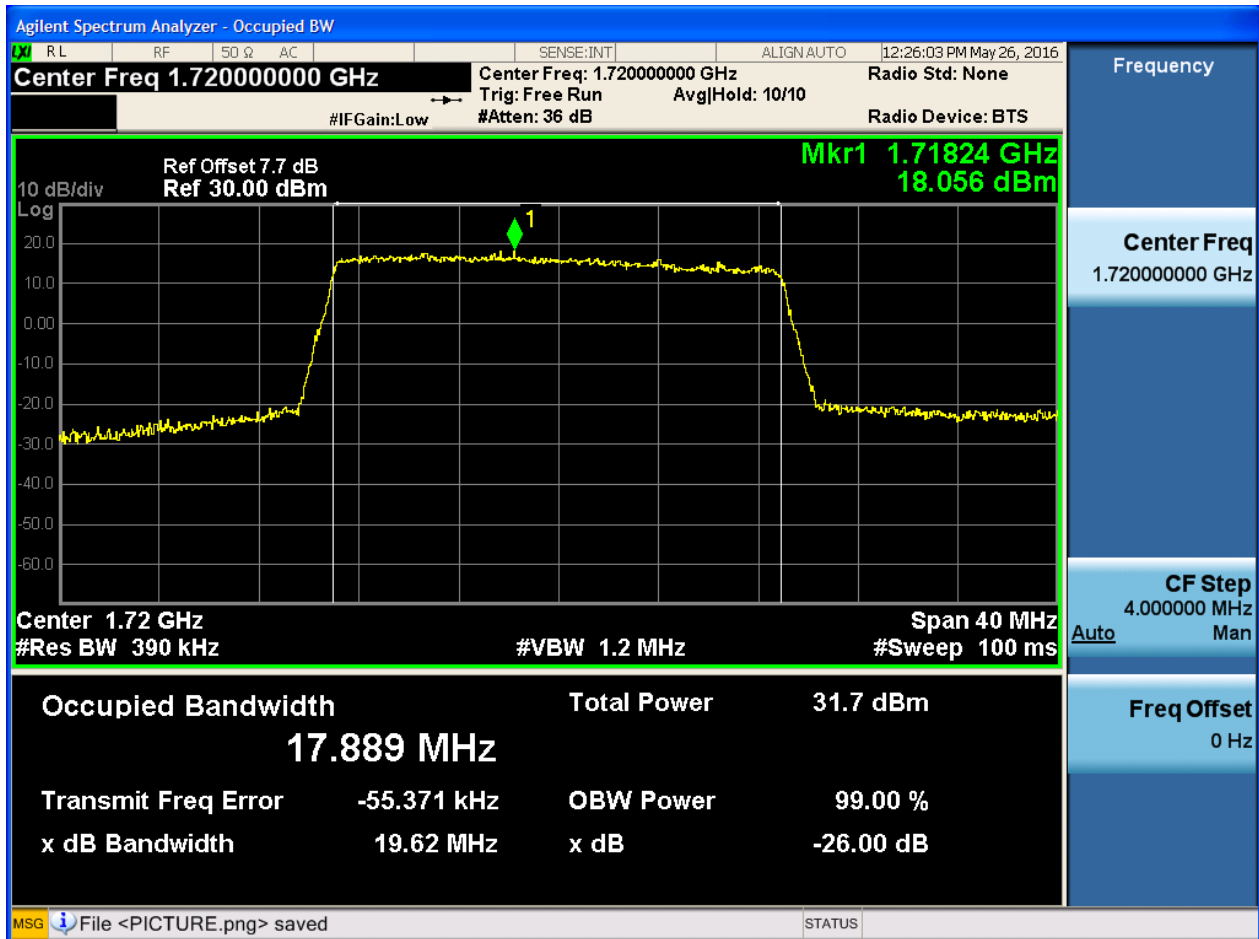




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

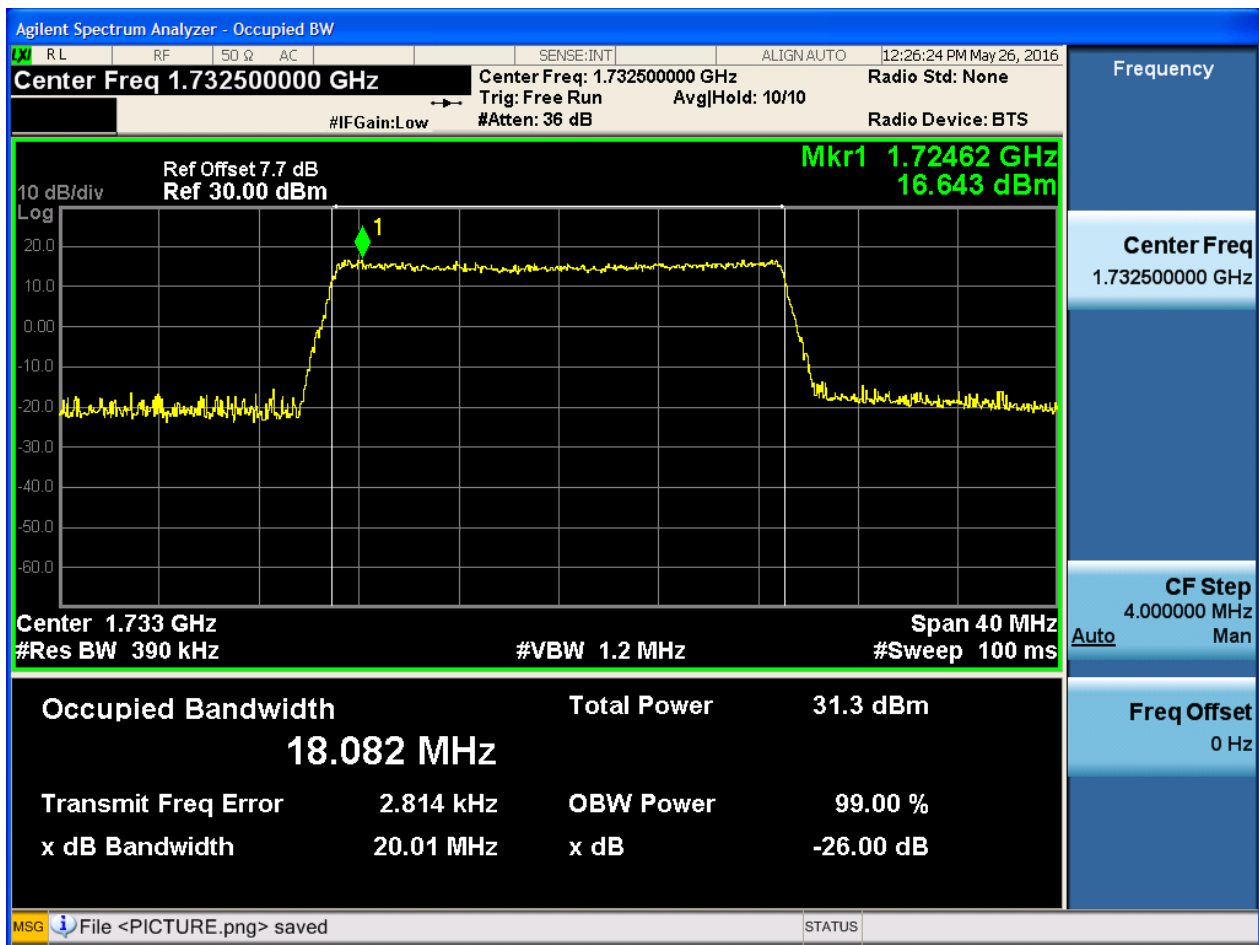
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

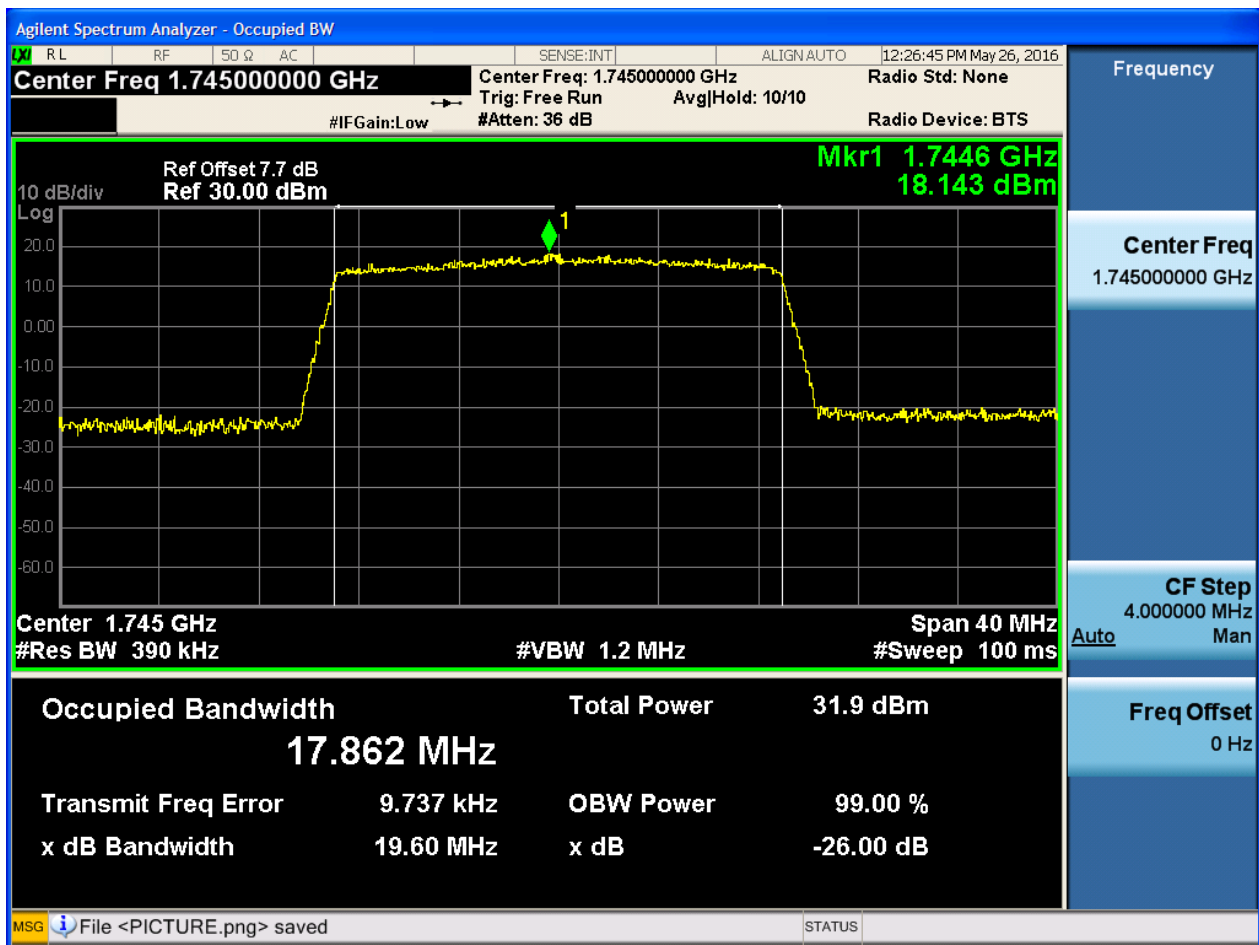
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



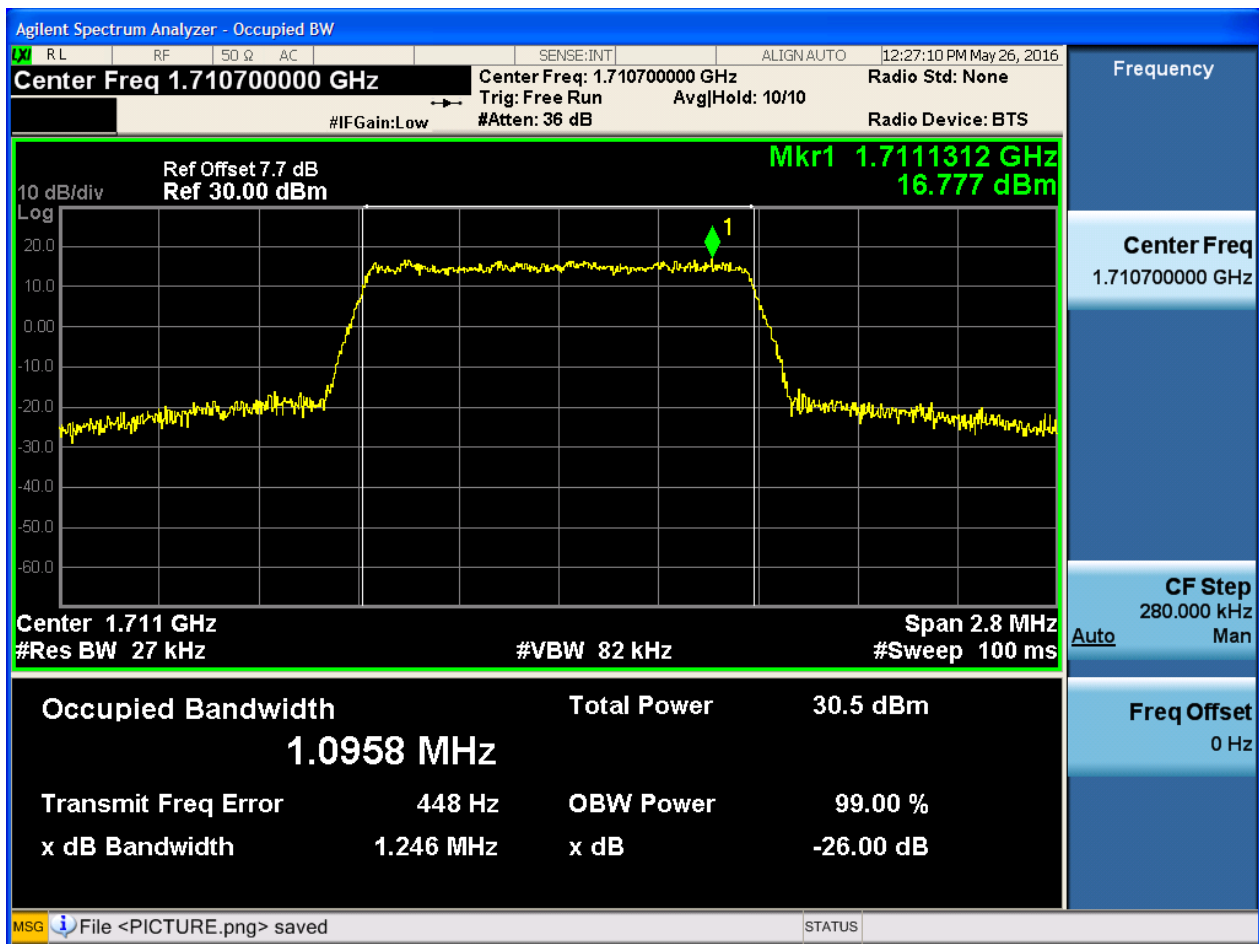


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

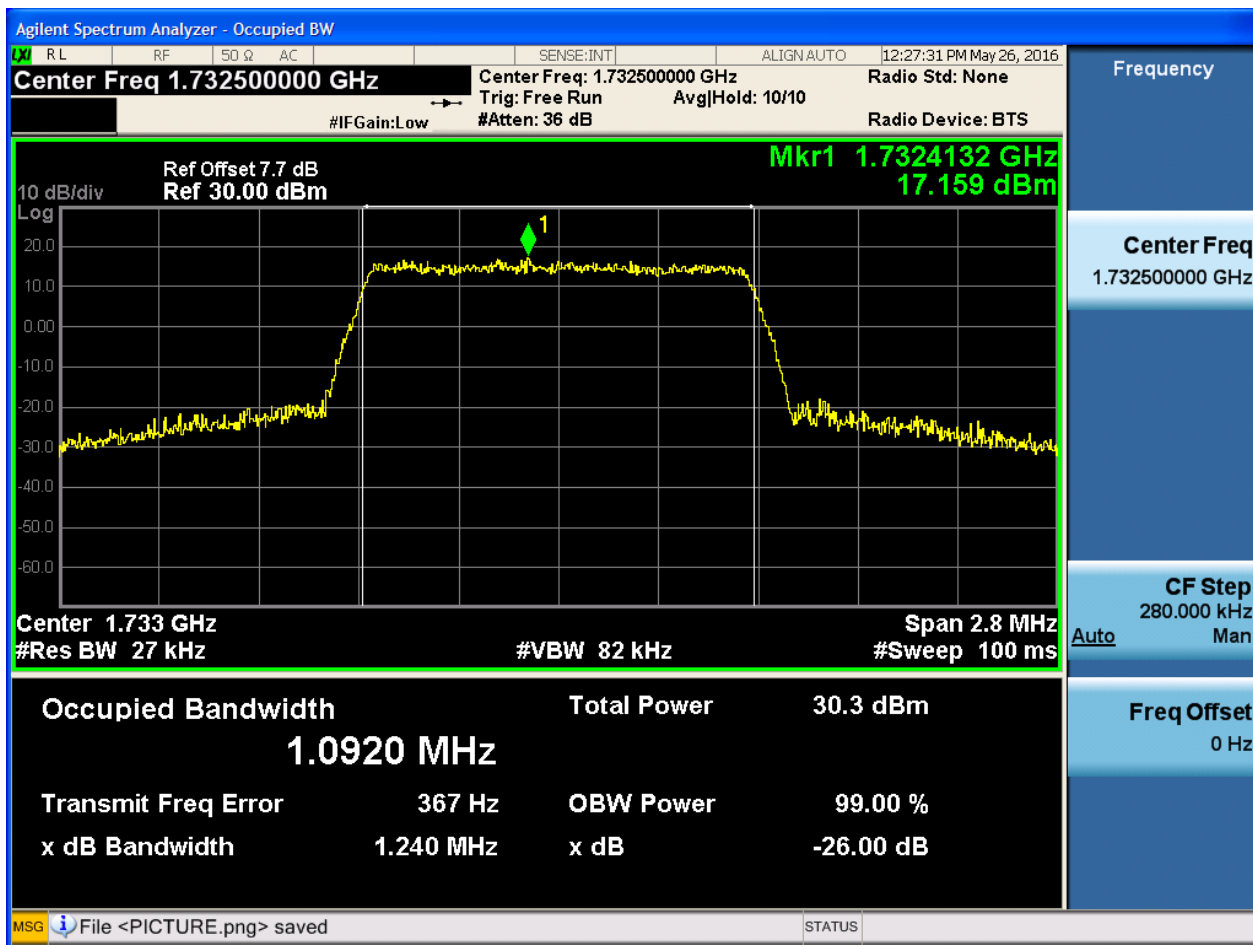
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

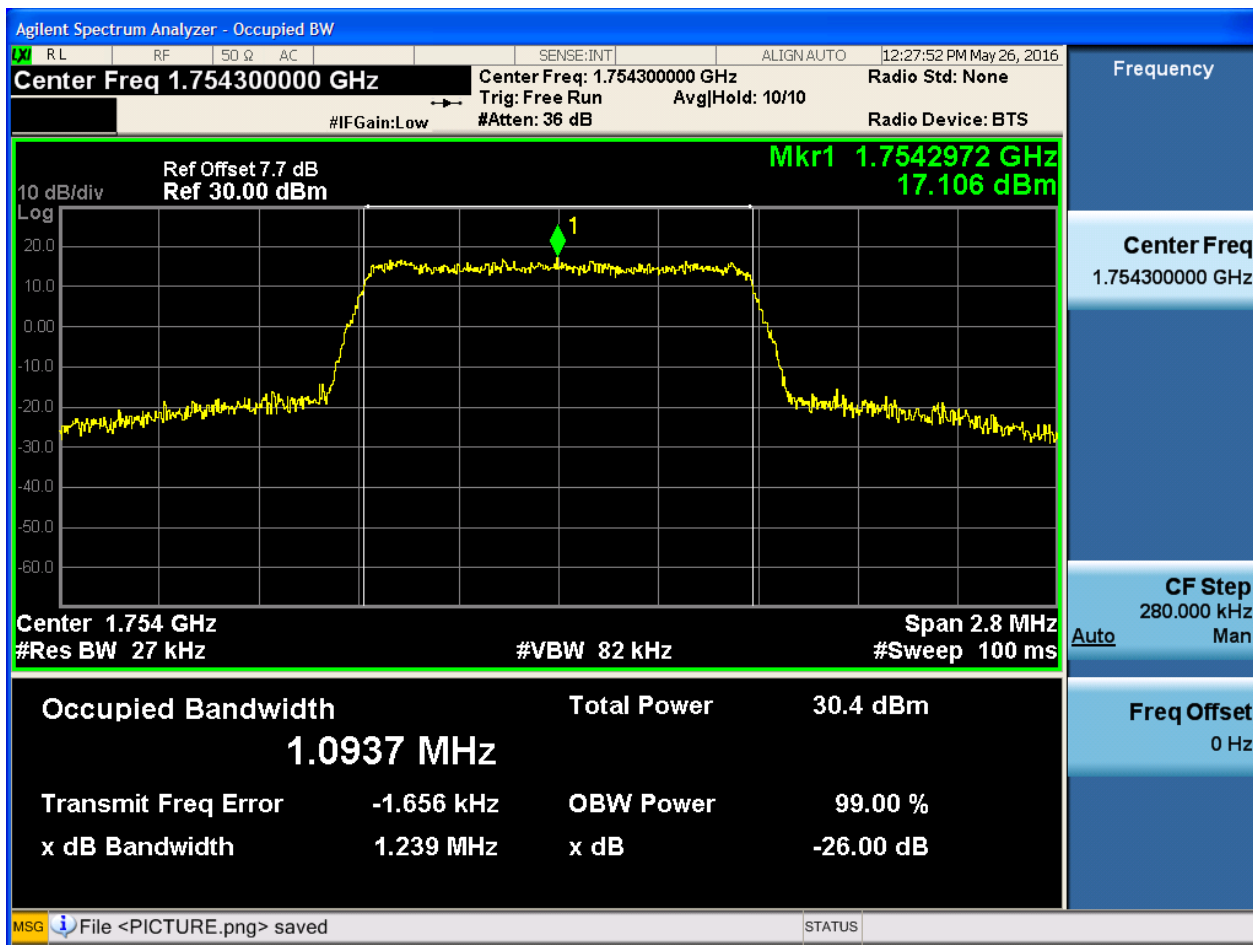
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

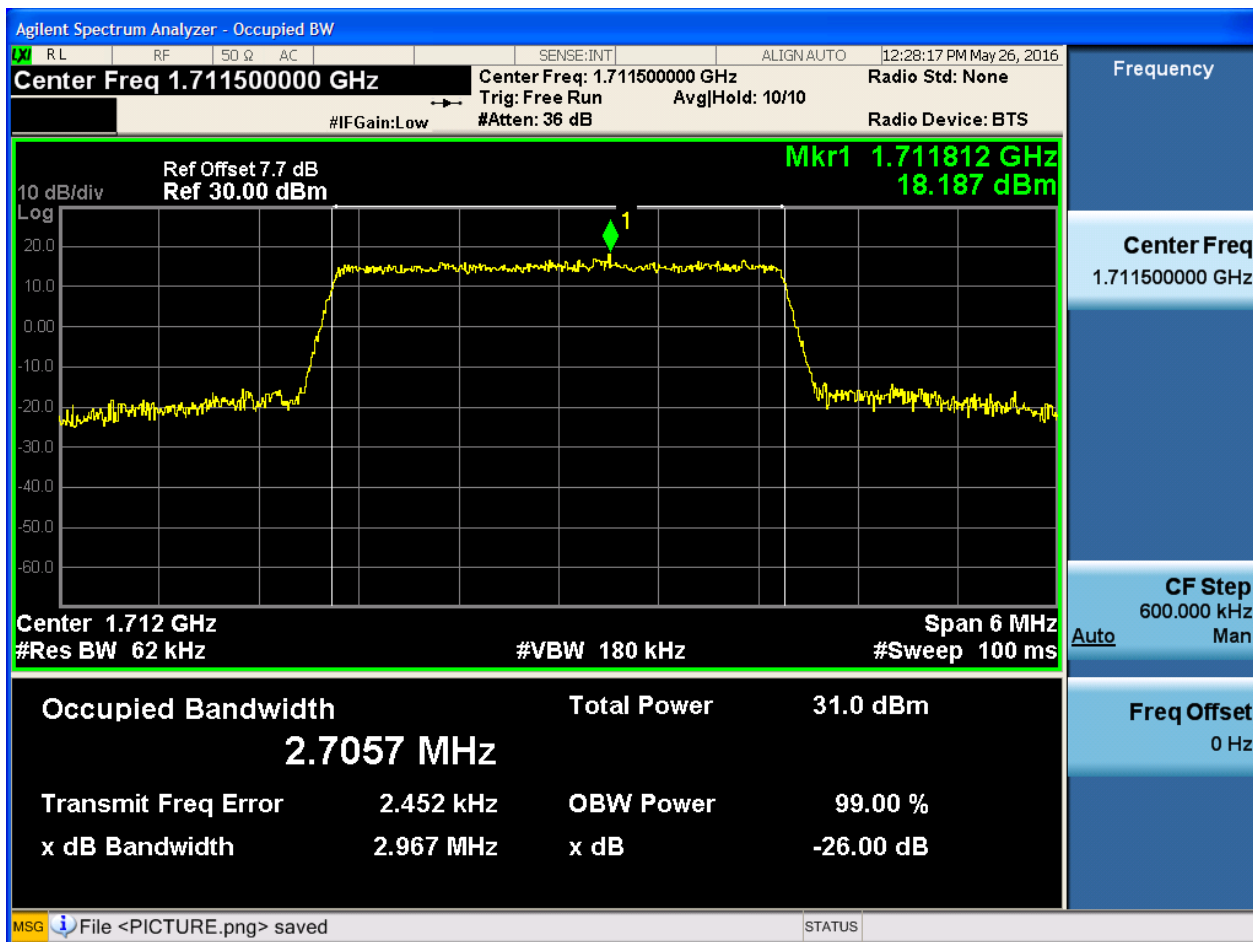




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

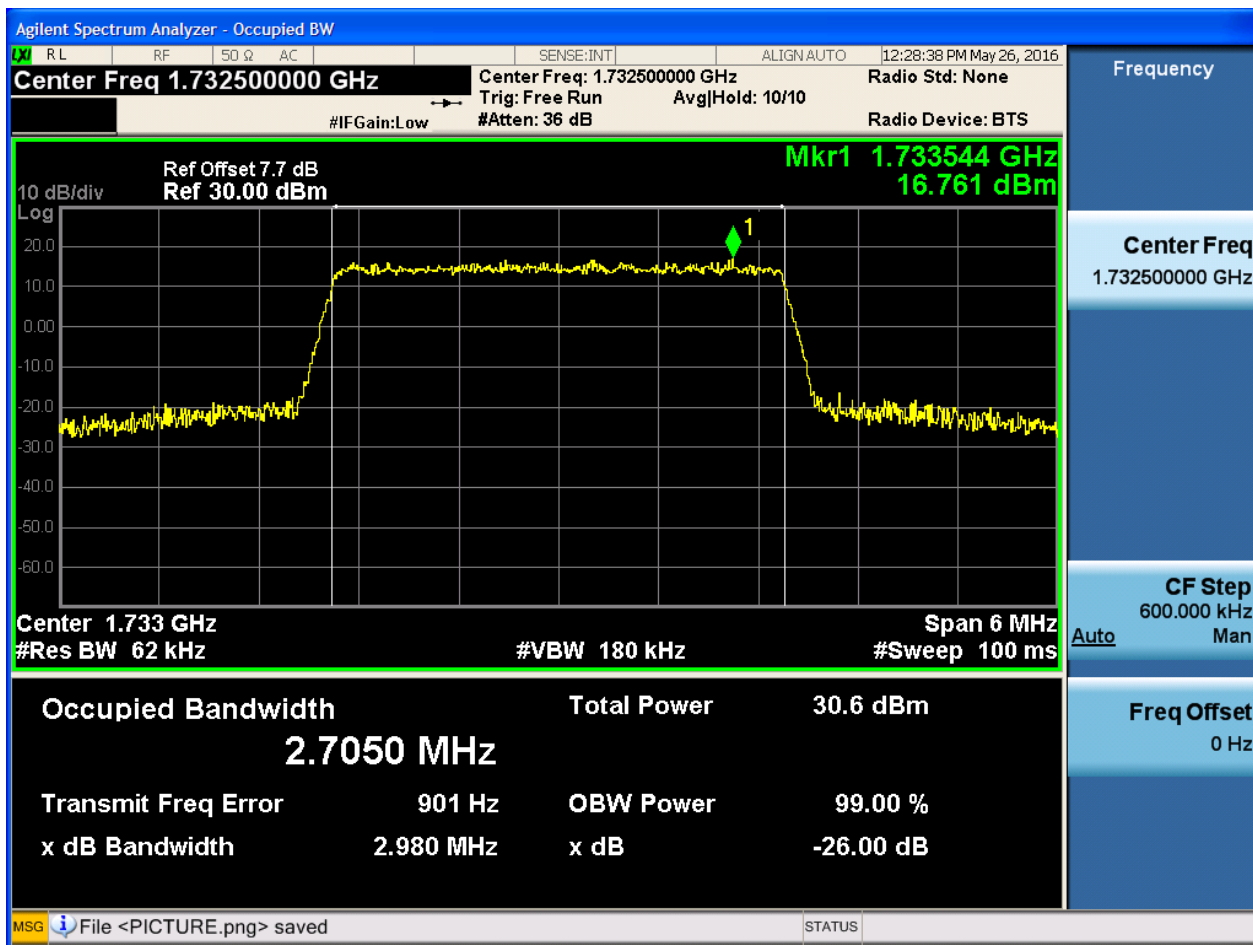
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

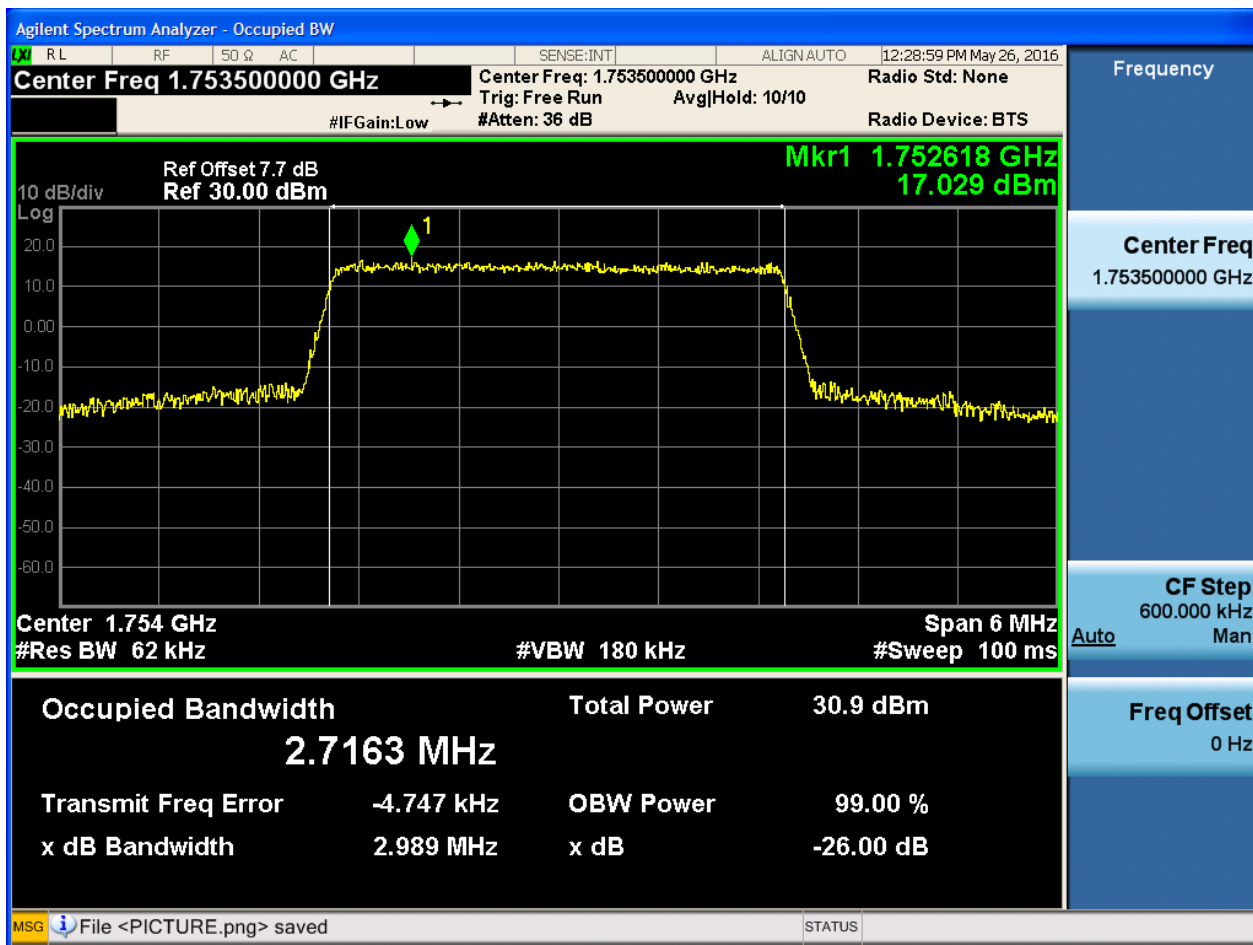
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

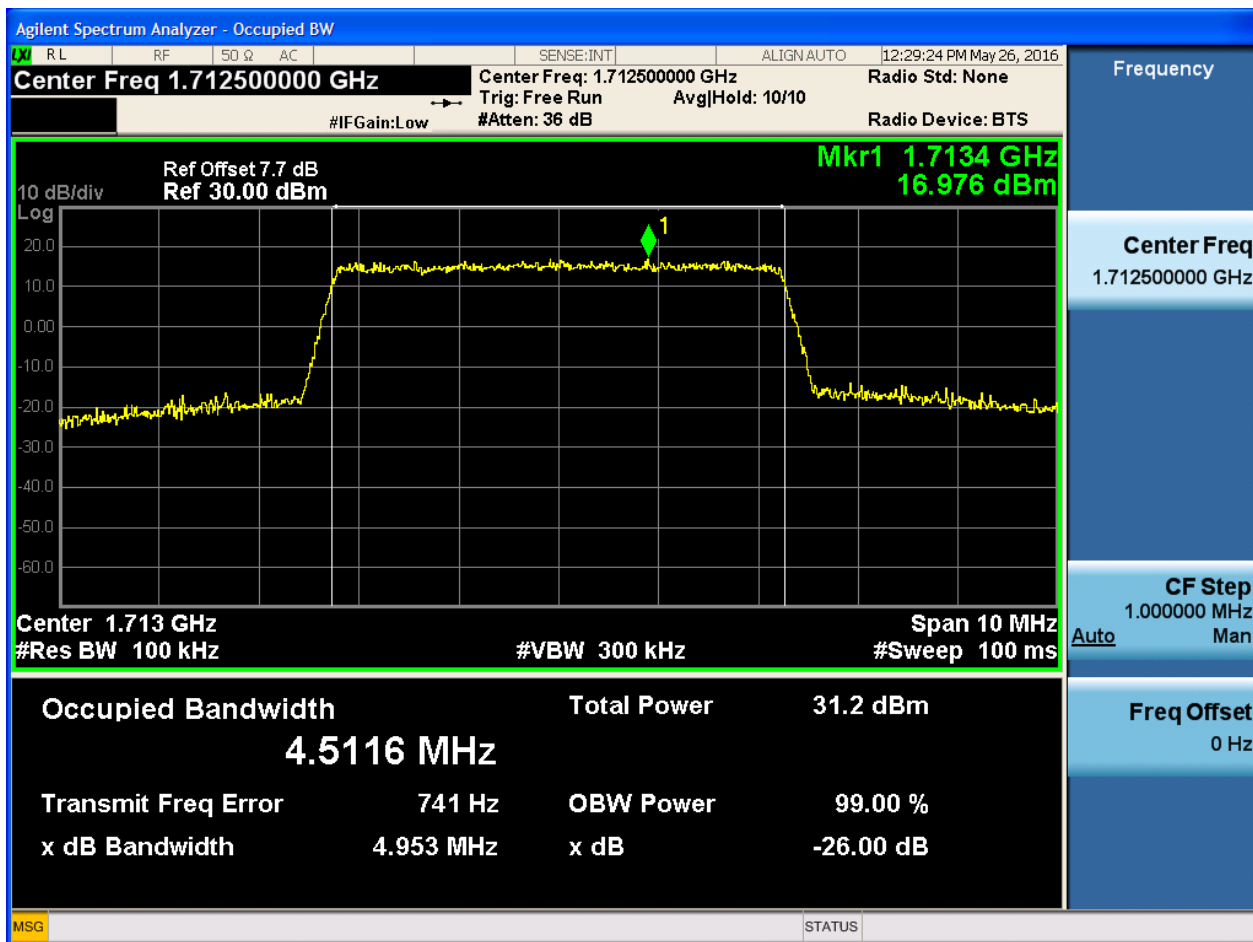




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

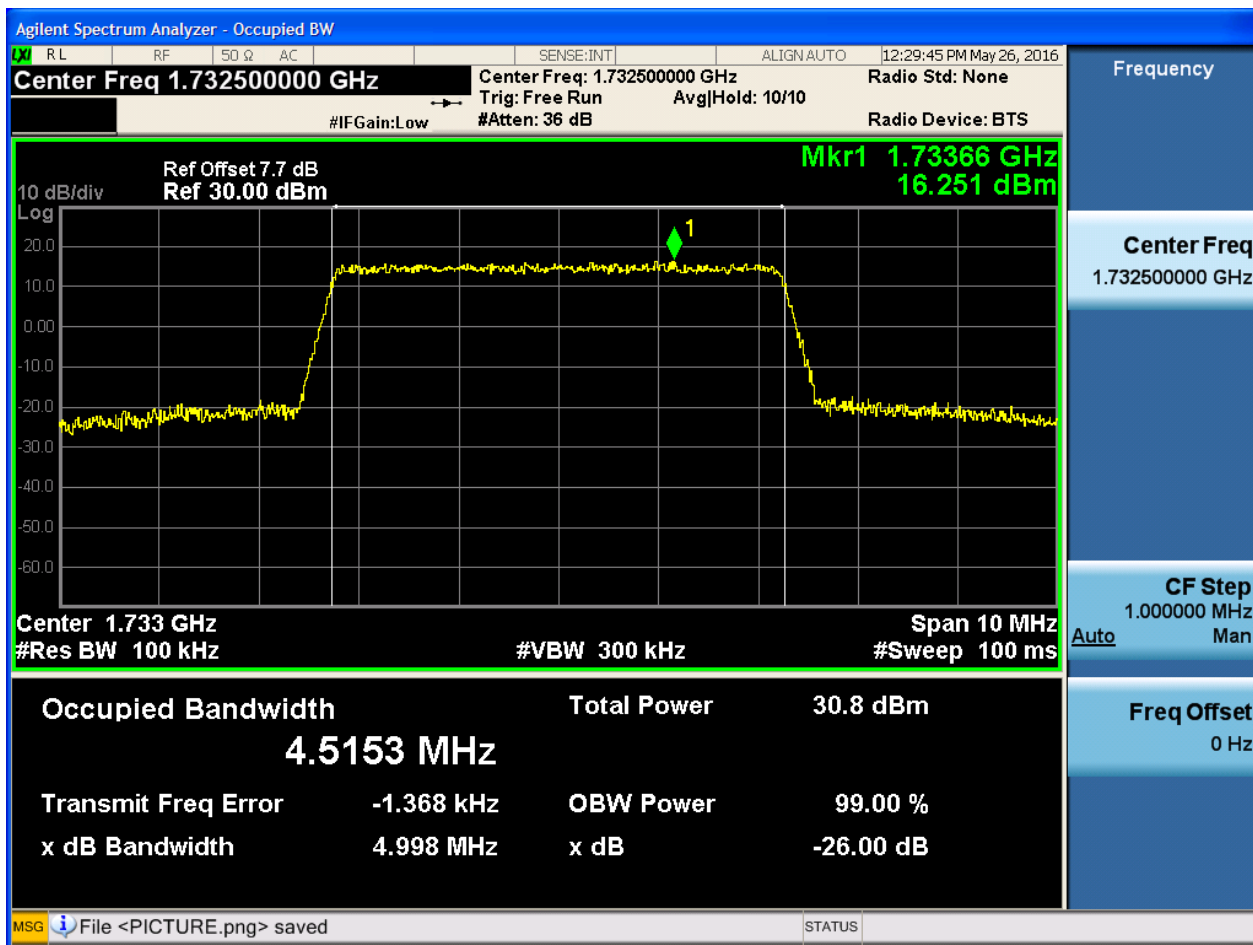
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

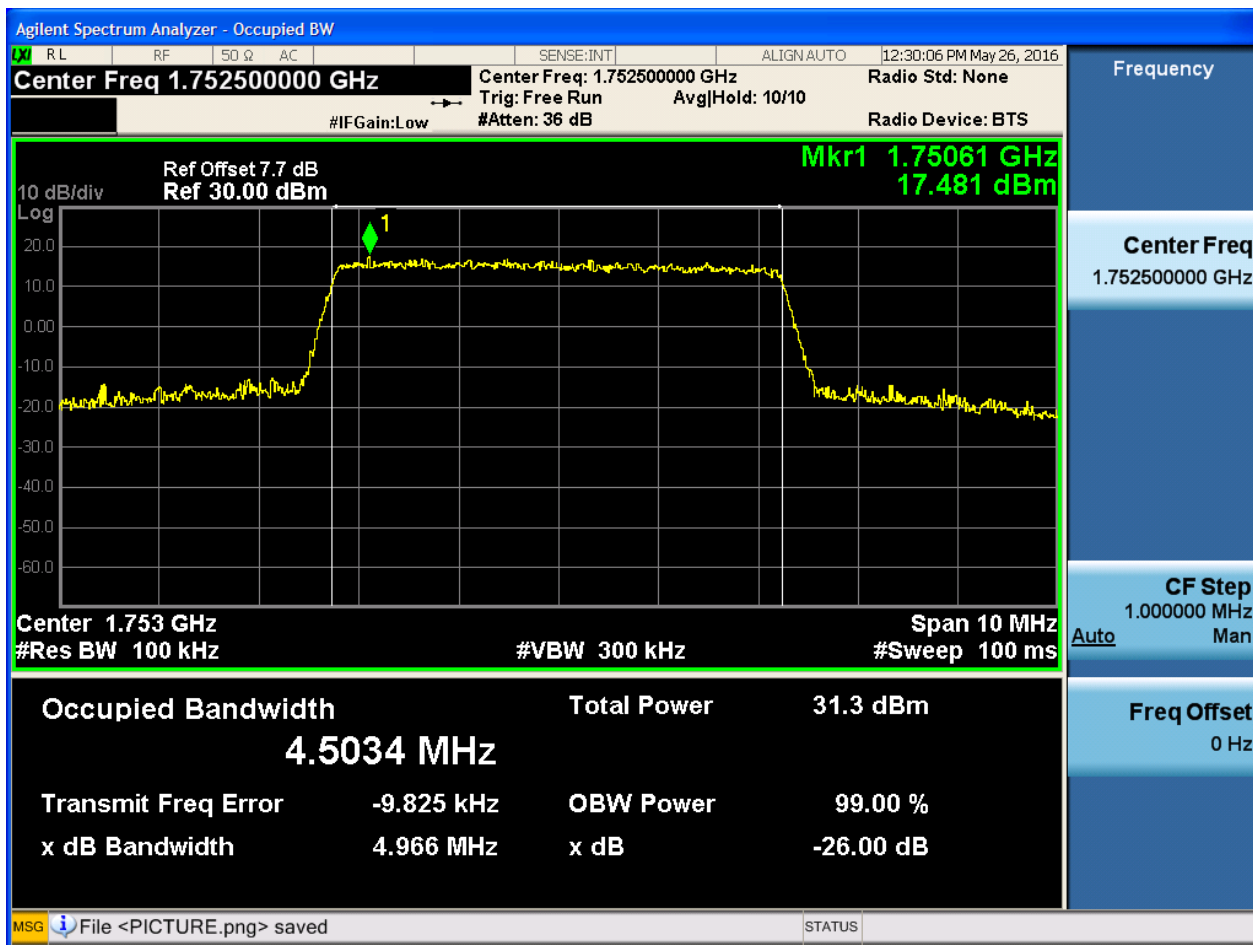
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

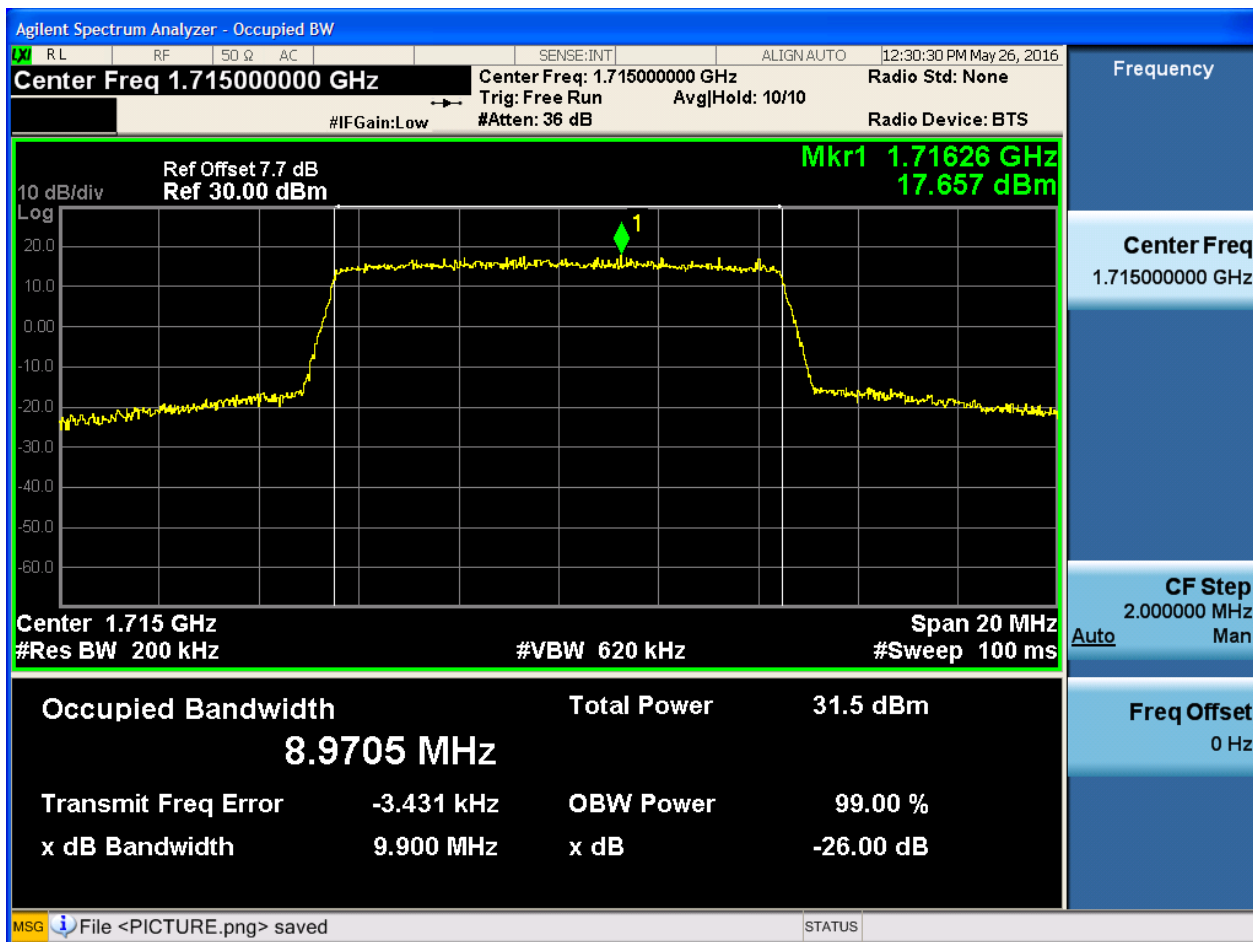




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

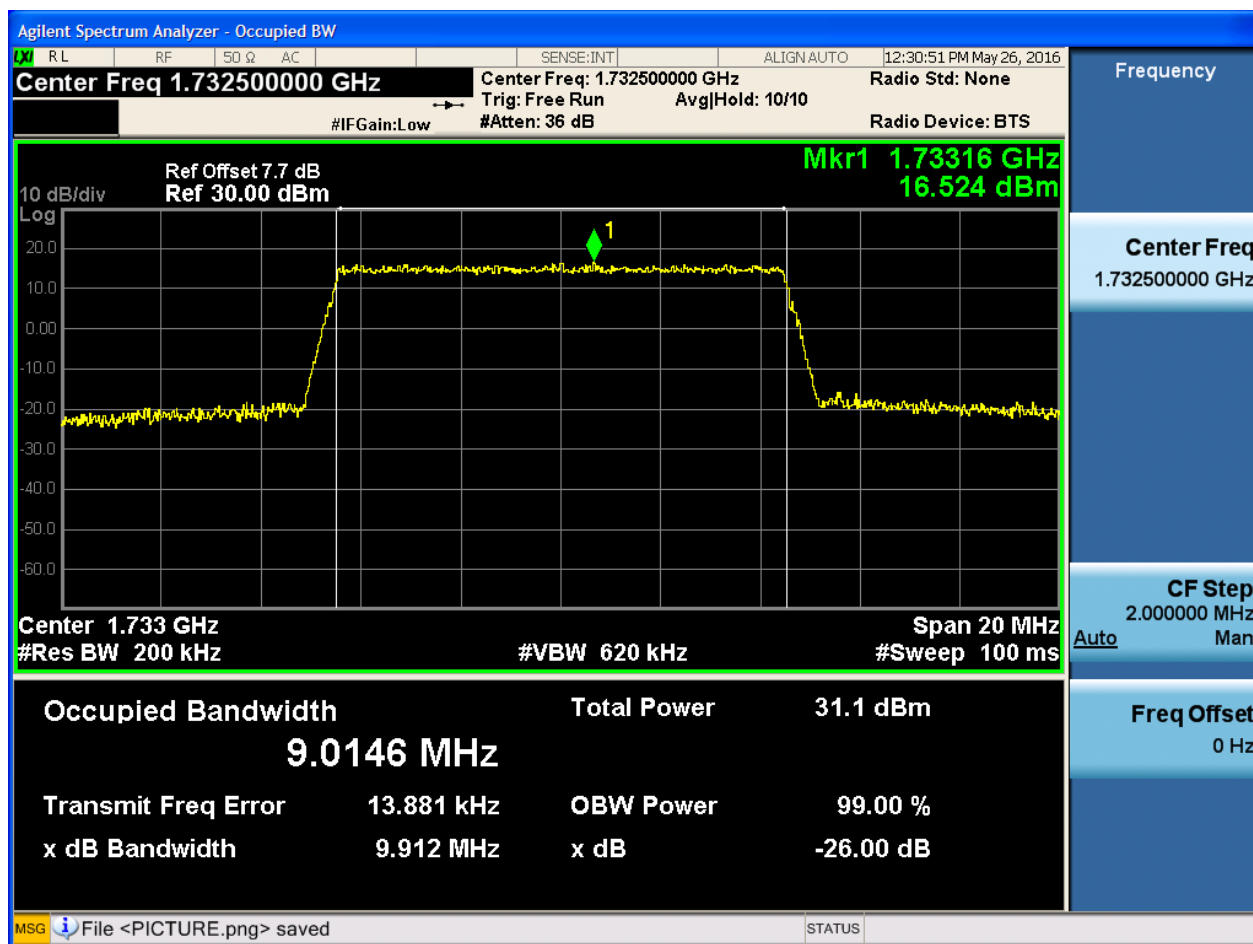
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

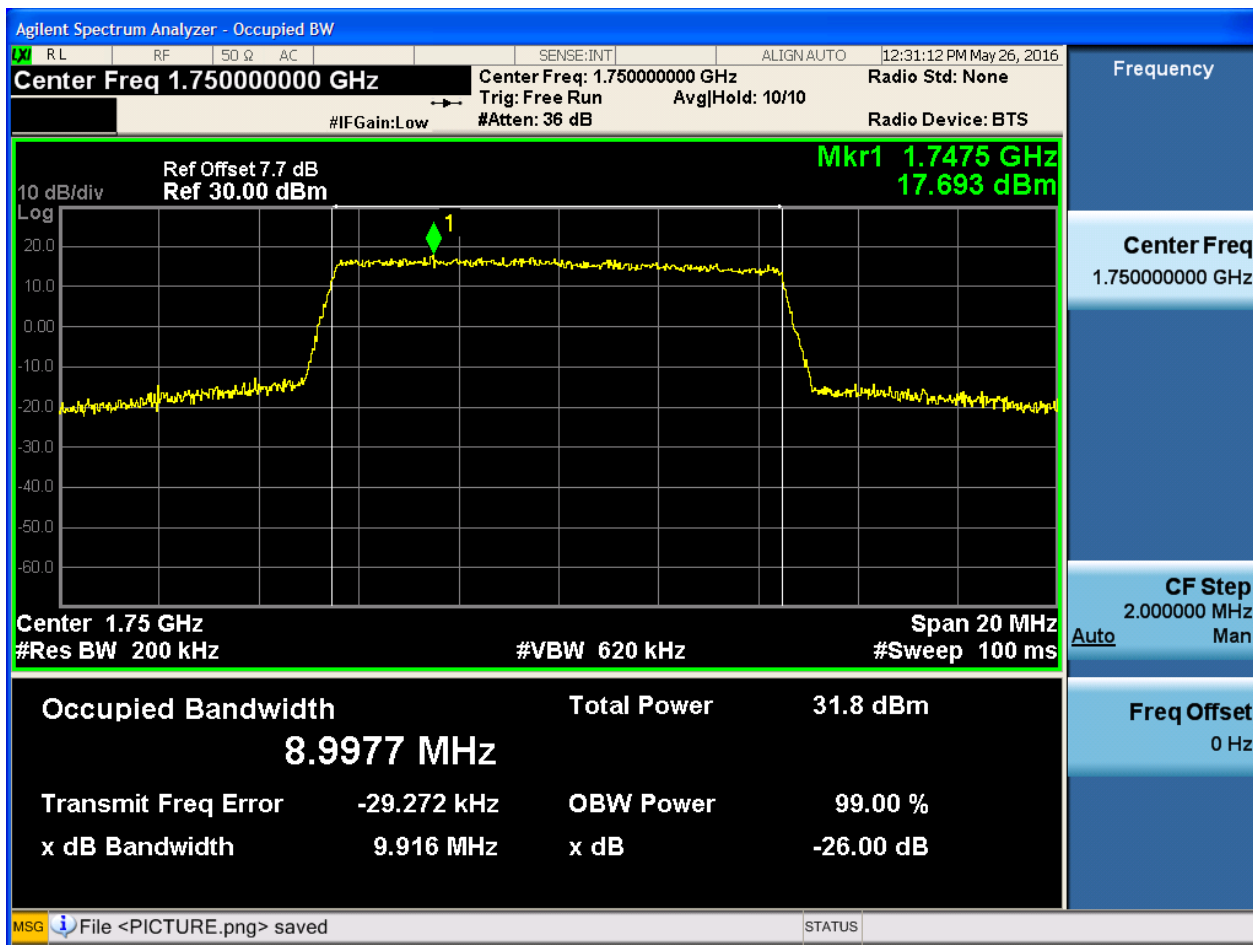
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

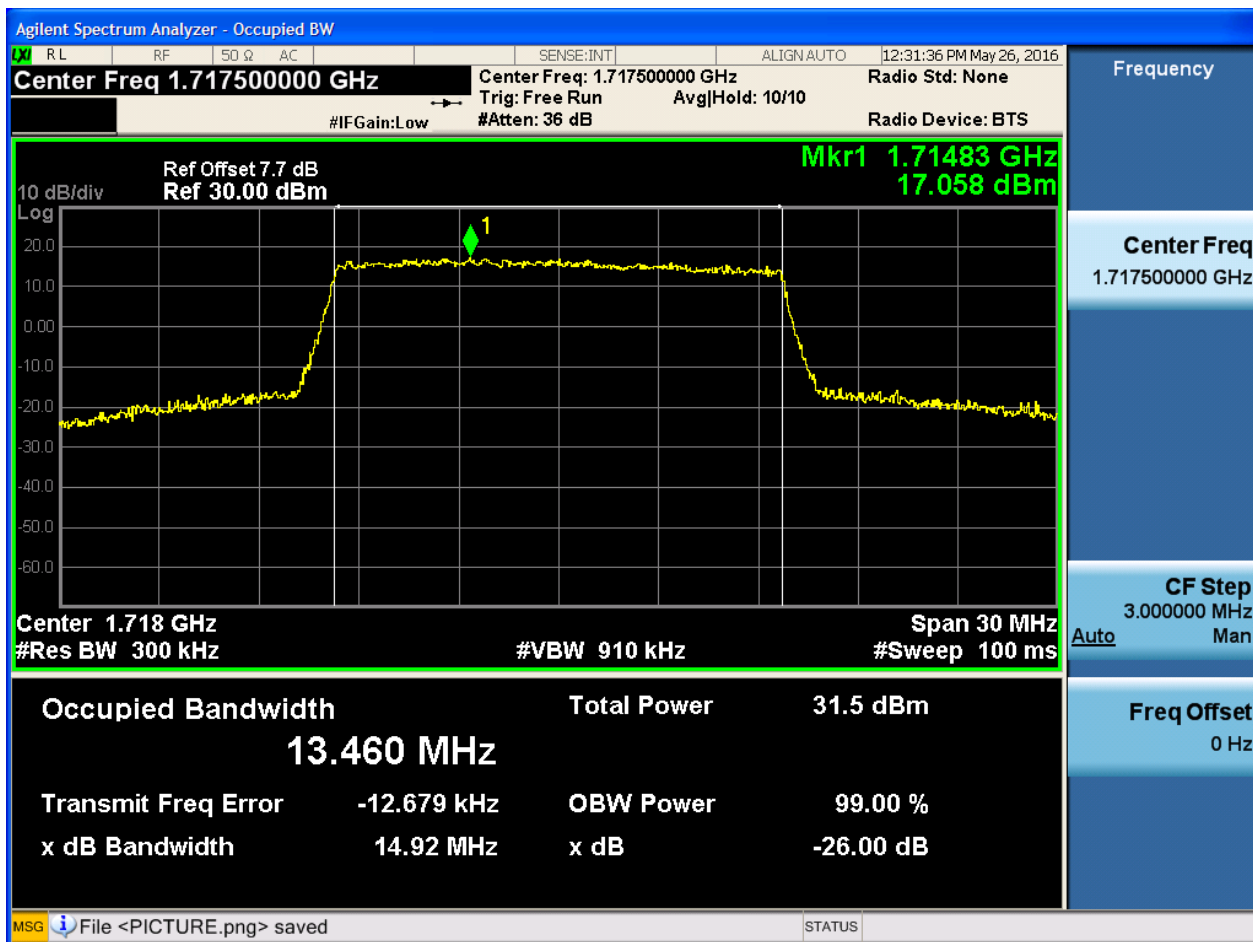




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

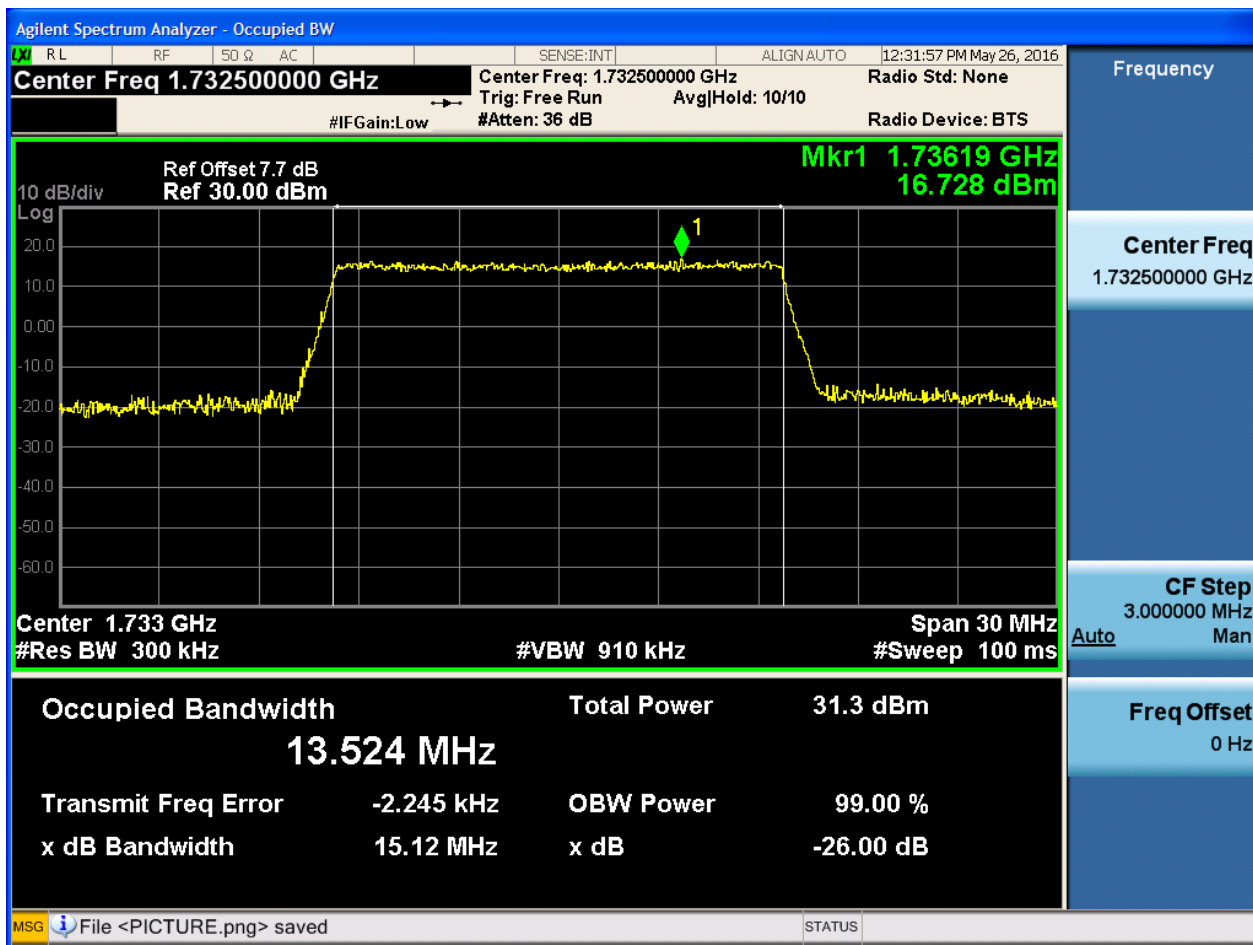
4.1.1.2.5.1.1 Test RB = RB75#0





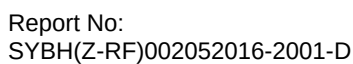
4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3.1 Test RB = RB75#0

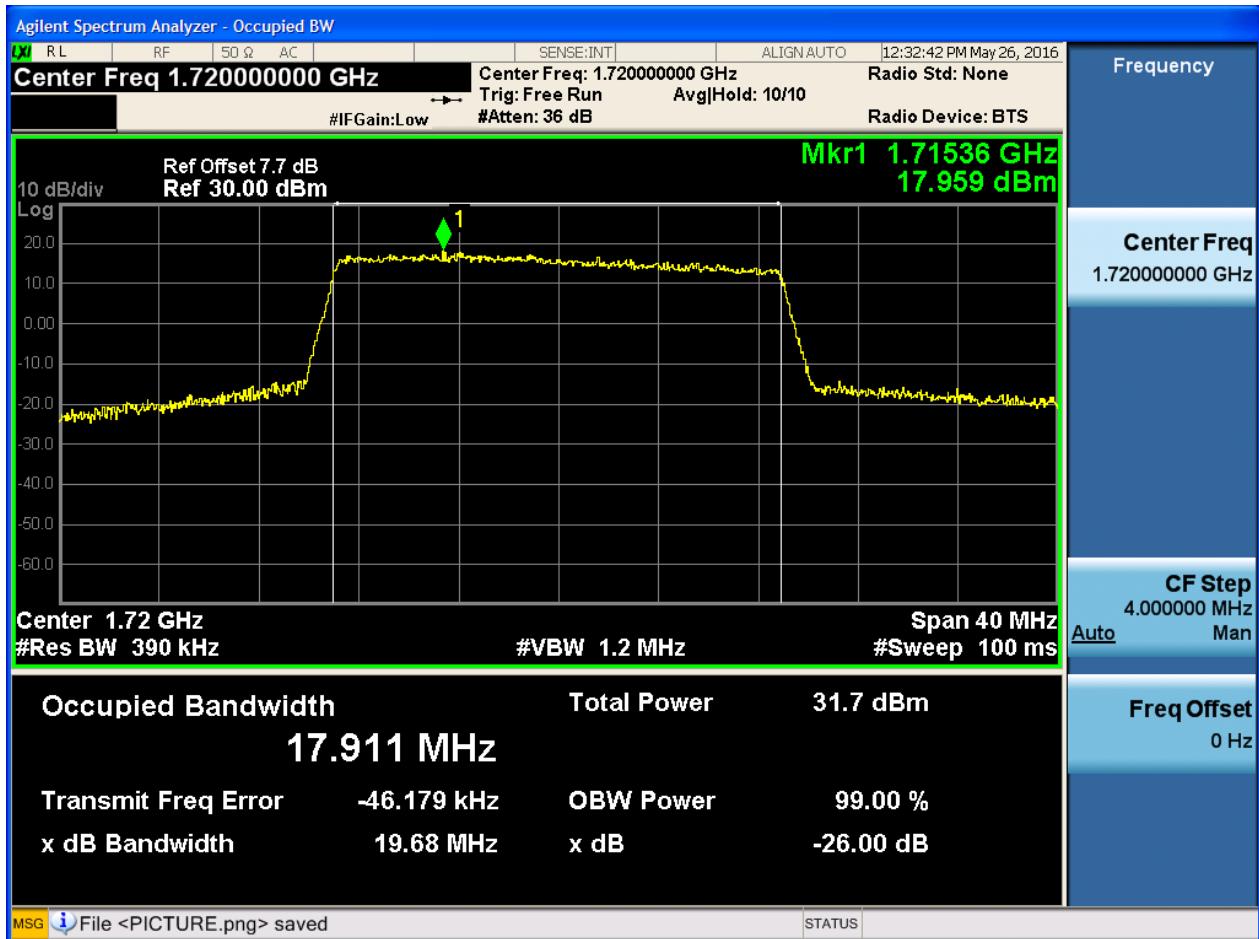




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

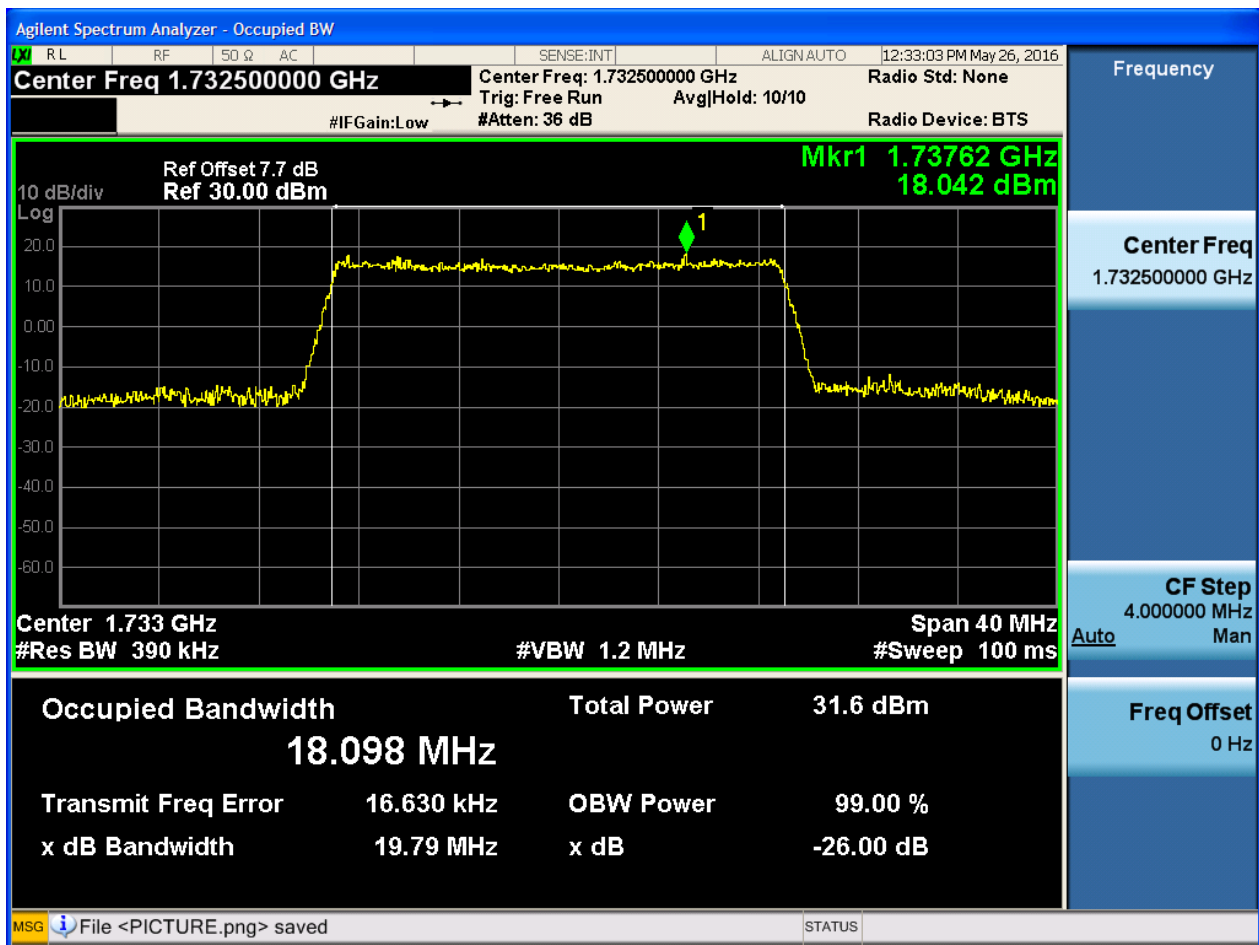
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

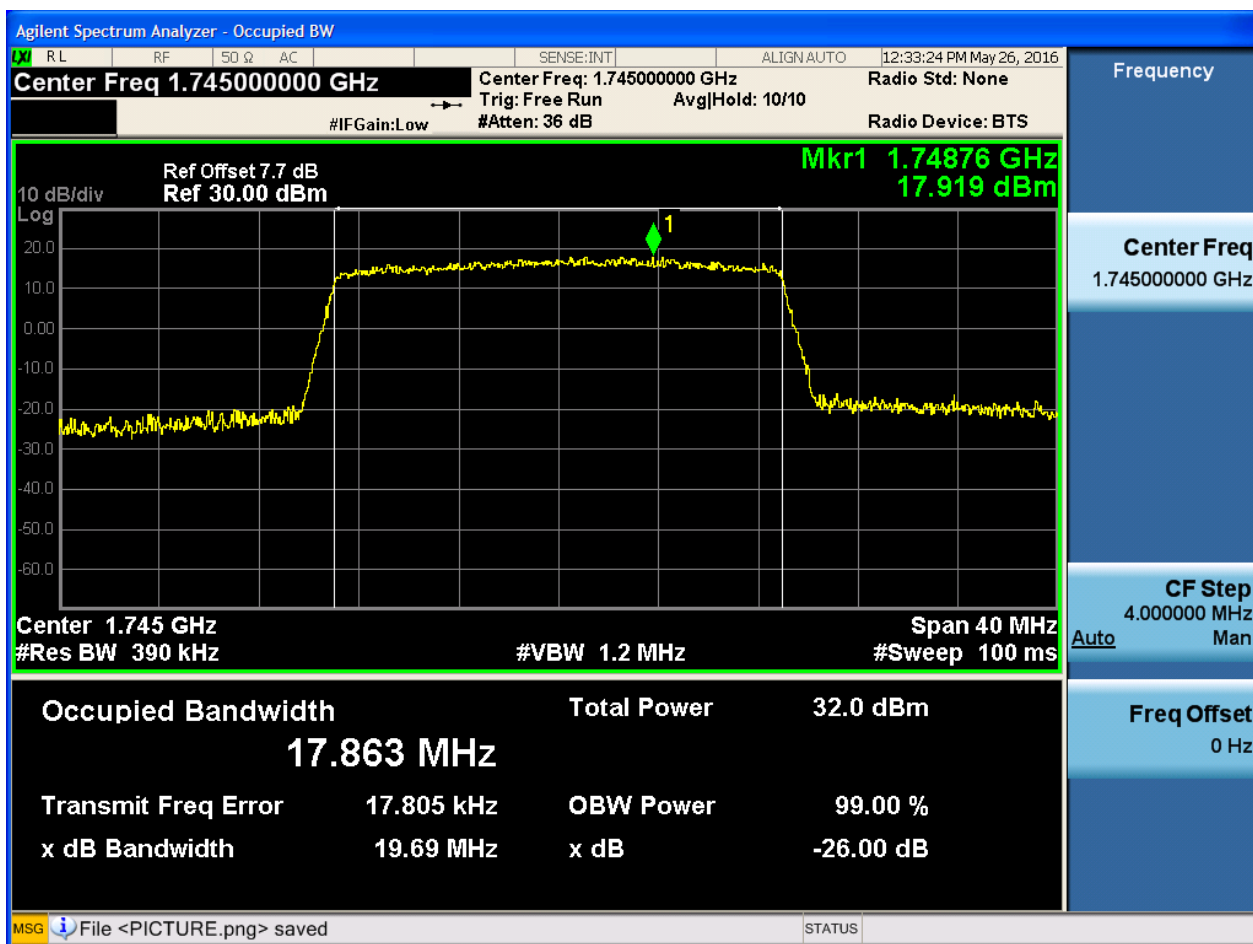
4.1.1.2.6.2.1 Test RB = RB100#0





4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

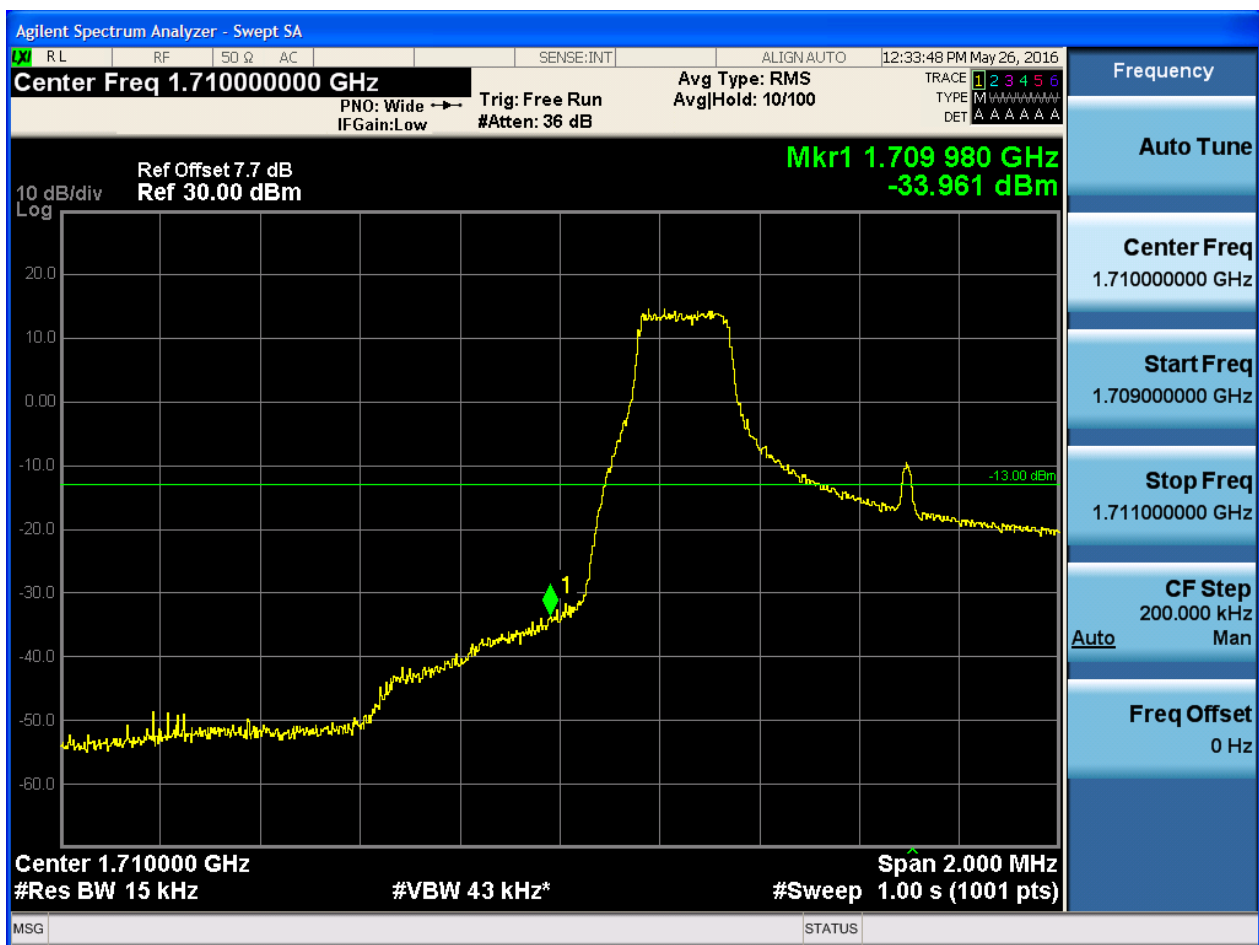
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



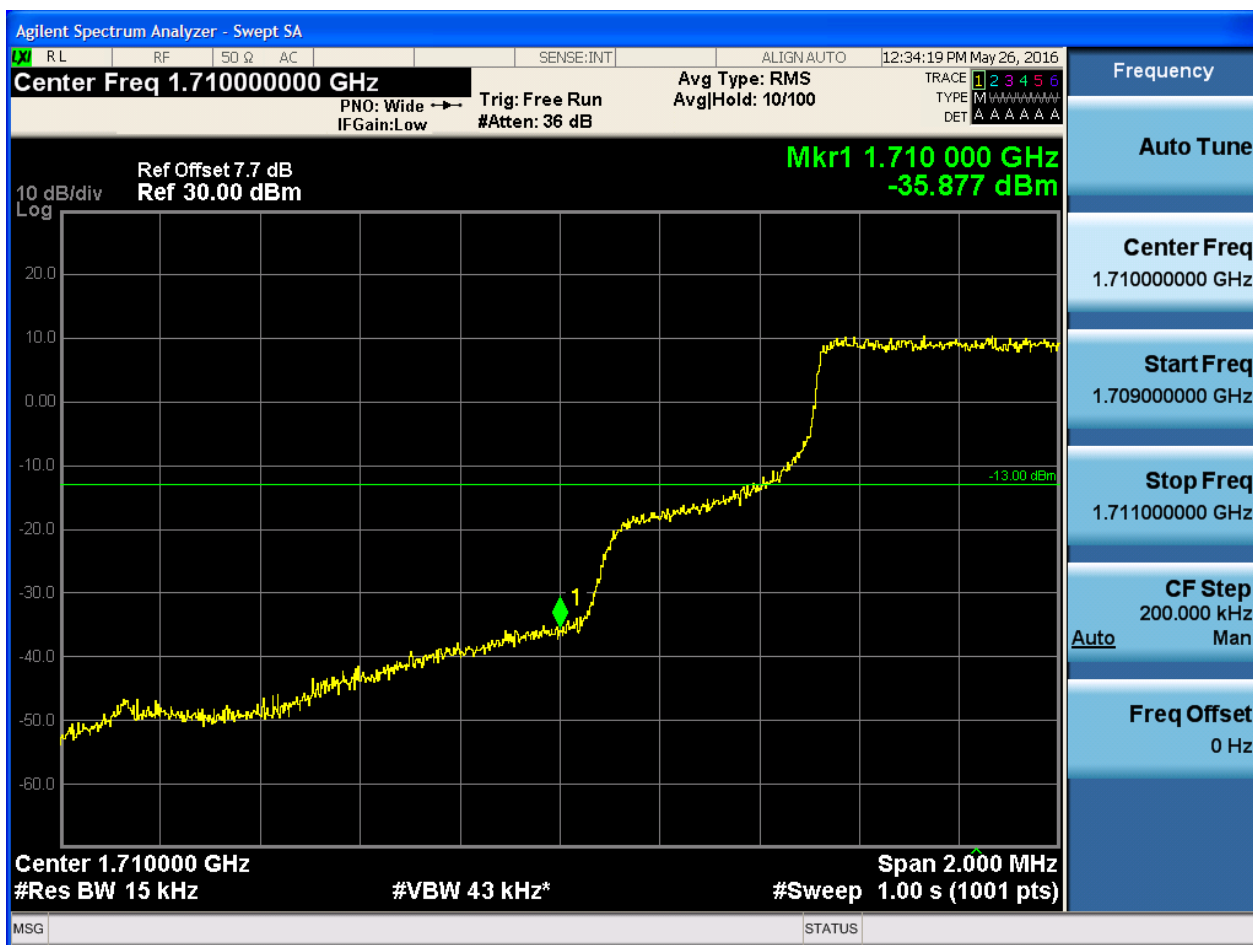


5.1.1.1.1.2 Test RB = RB1#5



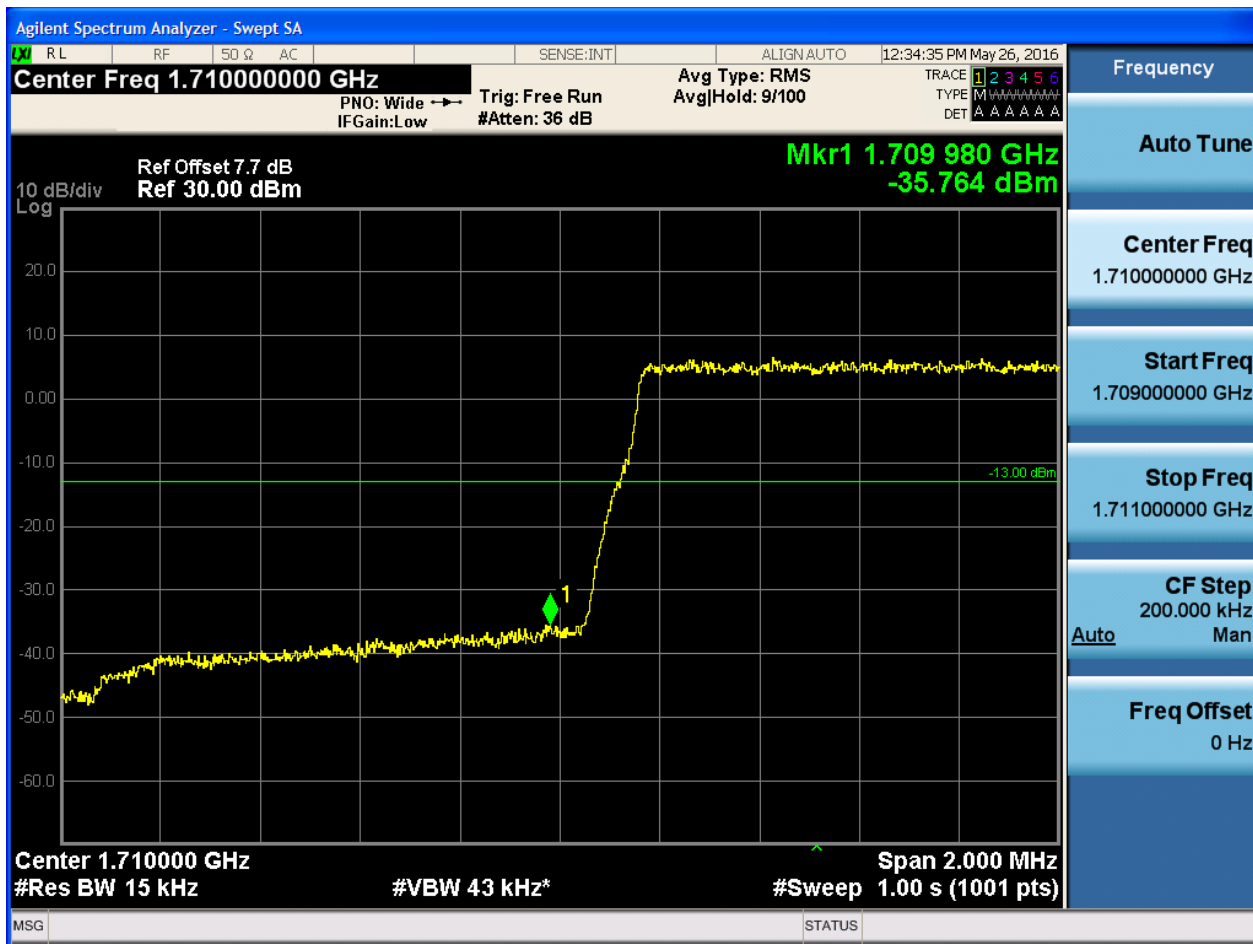


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

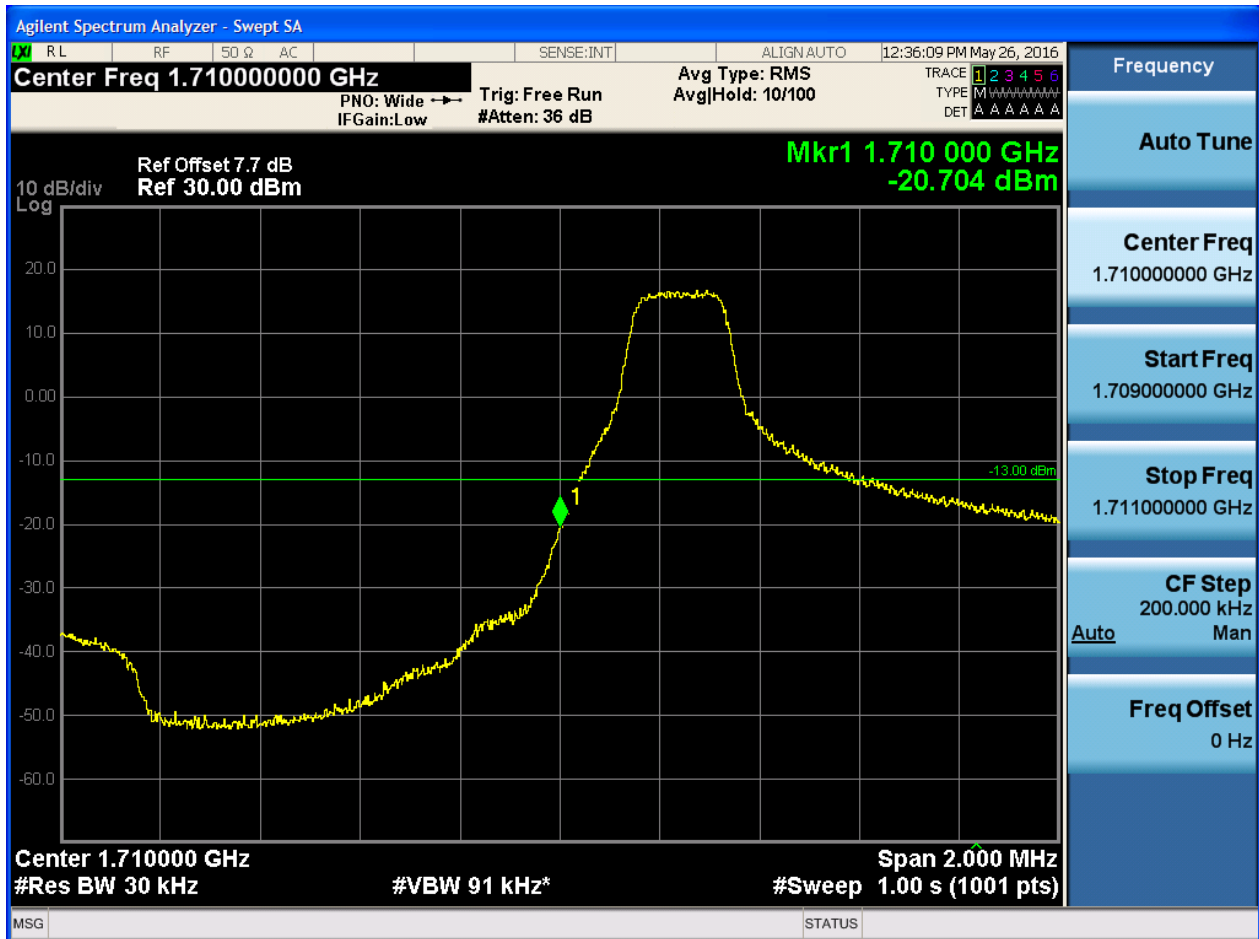




5.1.1.1.2 Test Bandwidth = 3

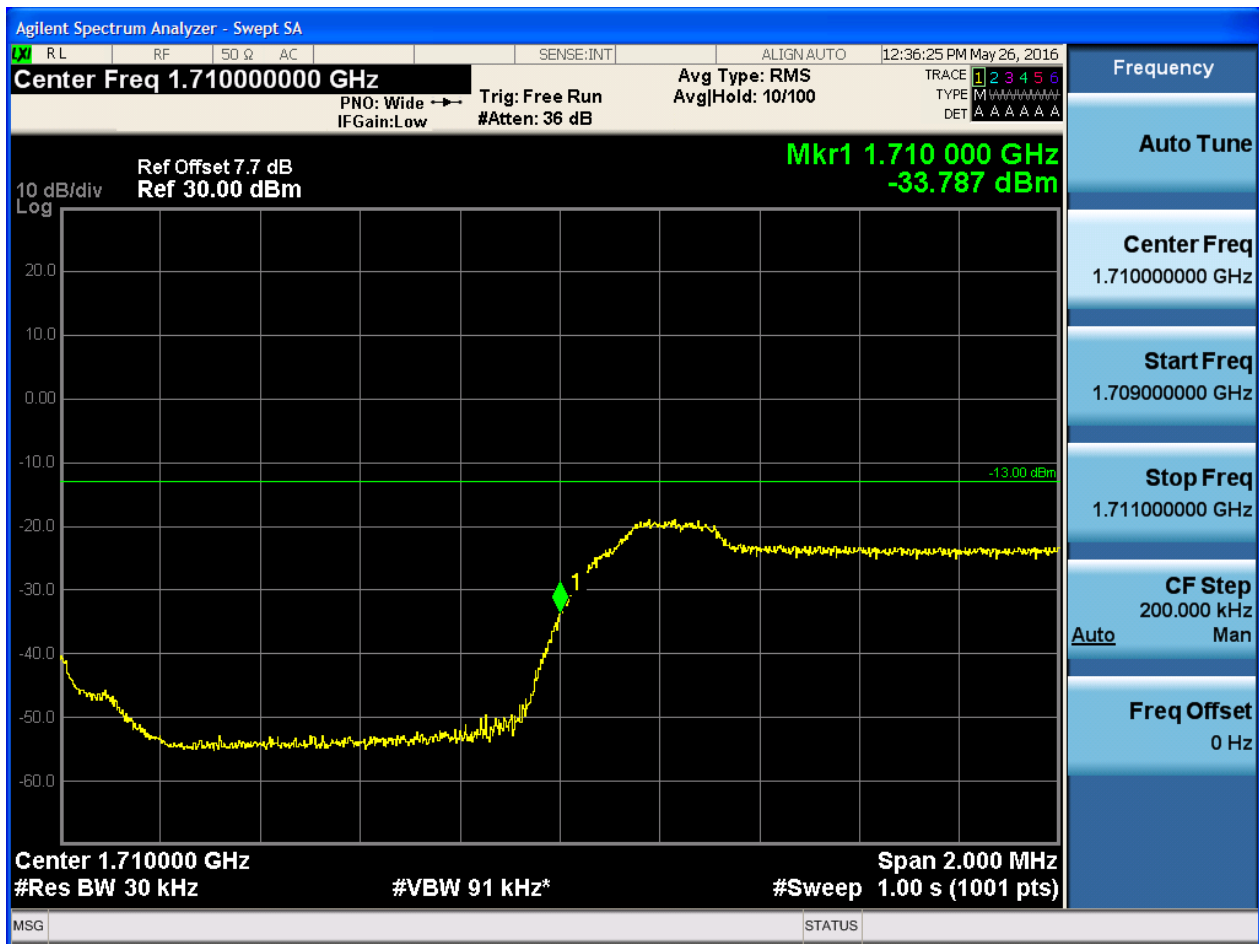
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



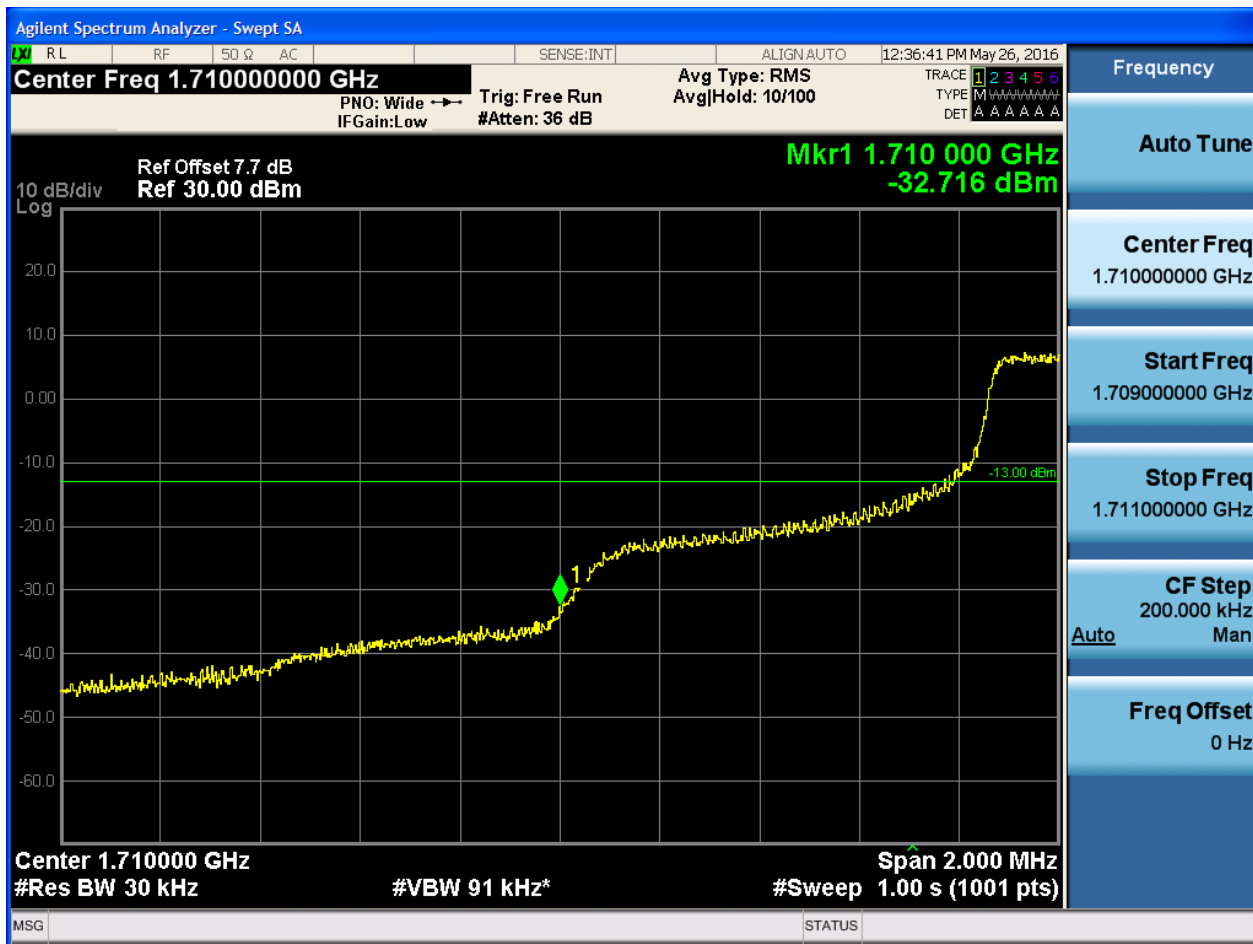


5.1.1.1.2.1.2 Test RB = RB1#14



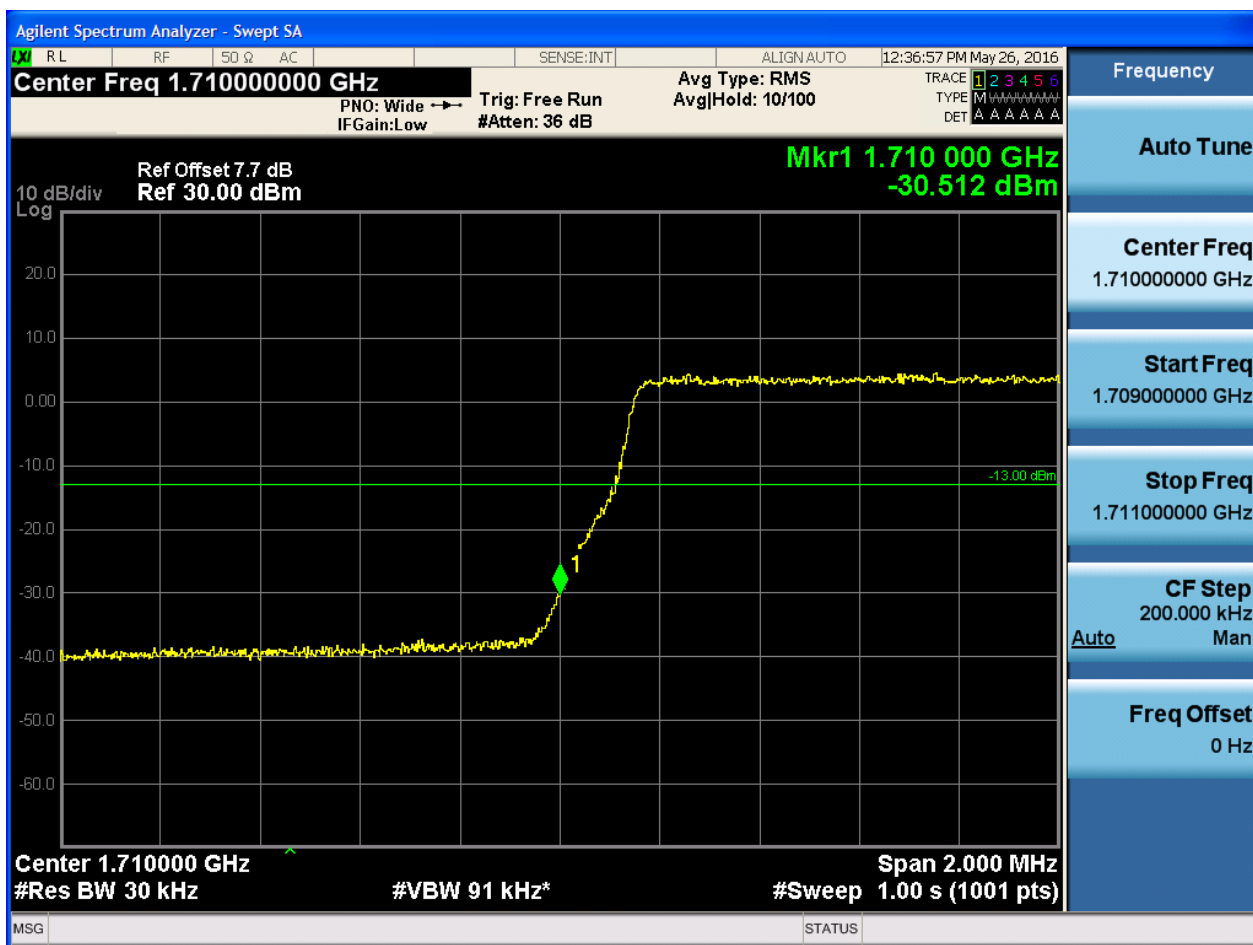


5.1.1.1.2.1.3 Test RB = RB8#4





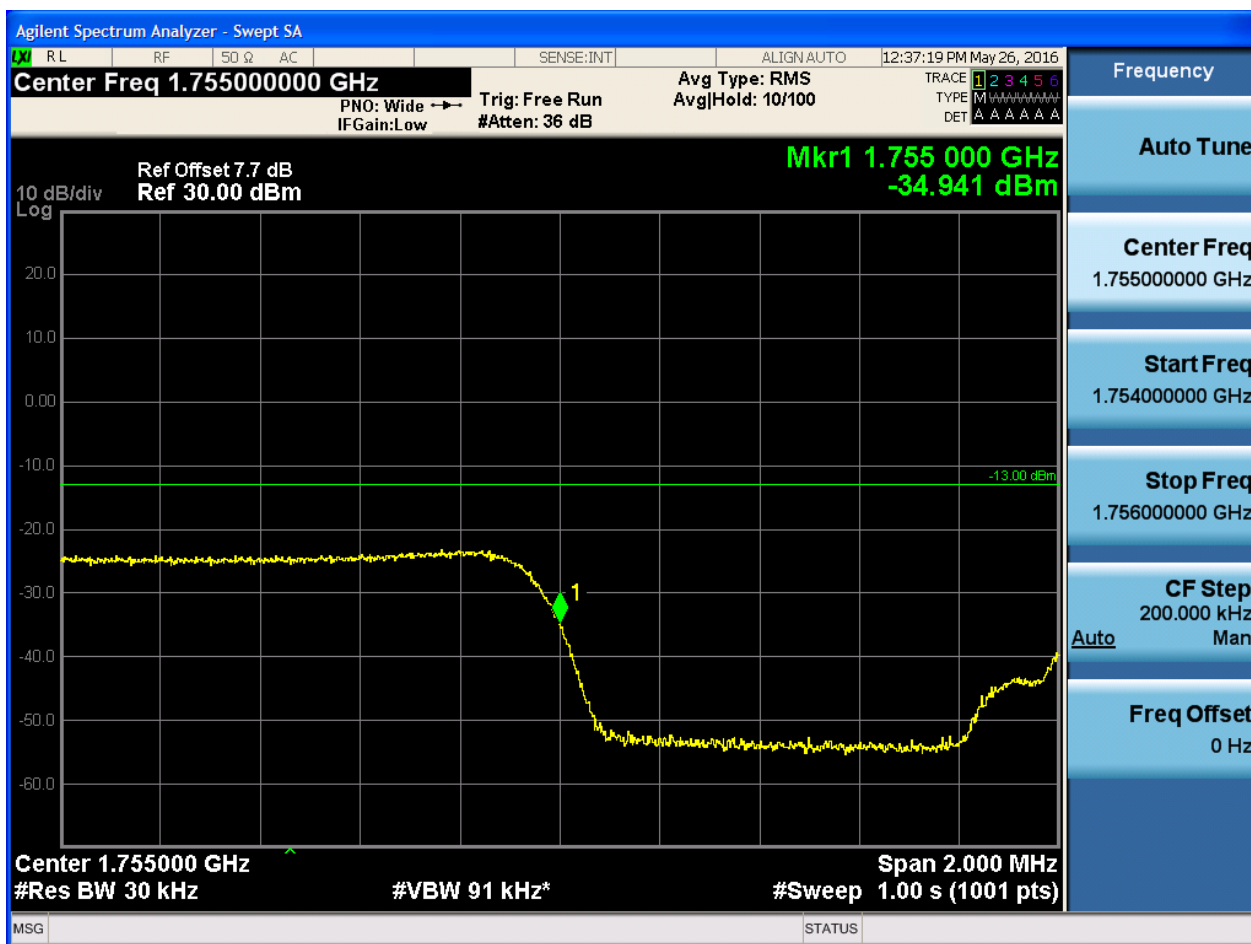
5.1.1.1.2.1.4 Test RB = RB15#0





5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

PNO: Wide → Trg: Free Run Avg Type: RMS
IFGain: Low #Atten: 36 dB Avg|Hold: 10/100

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.7 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-20.556 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 30 kHz #VBW 91 kHz* Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.75500000 GHz

Start Freq
1.75400000 GHz

Stop Freq
1.75600000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.2.3 Test RB = RB8#4





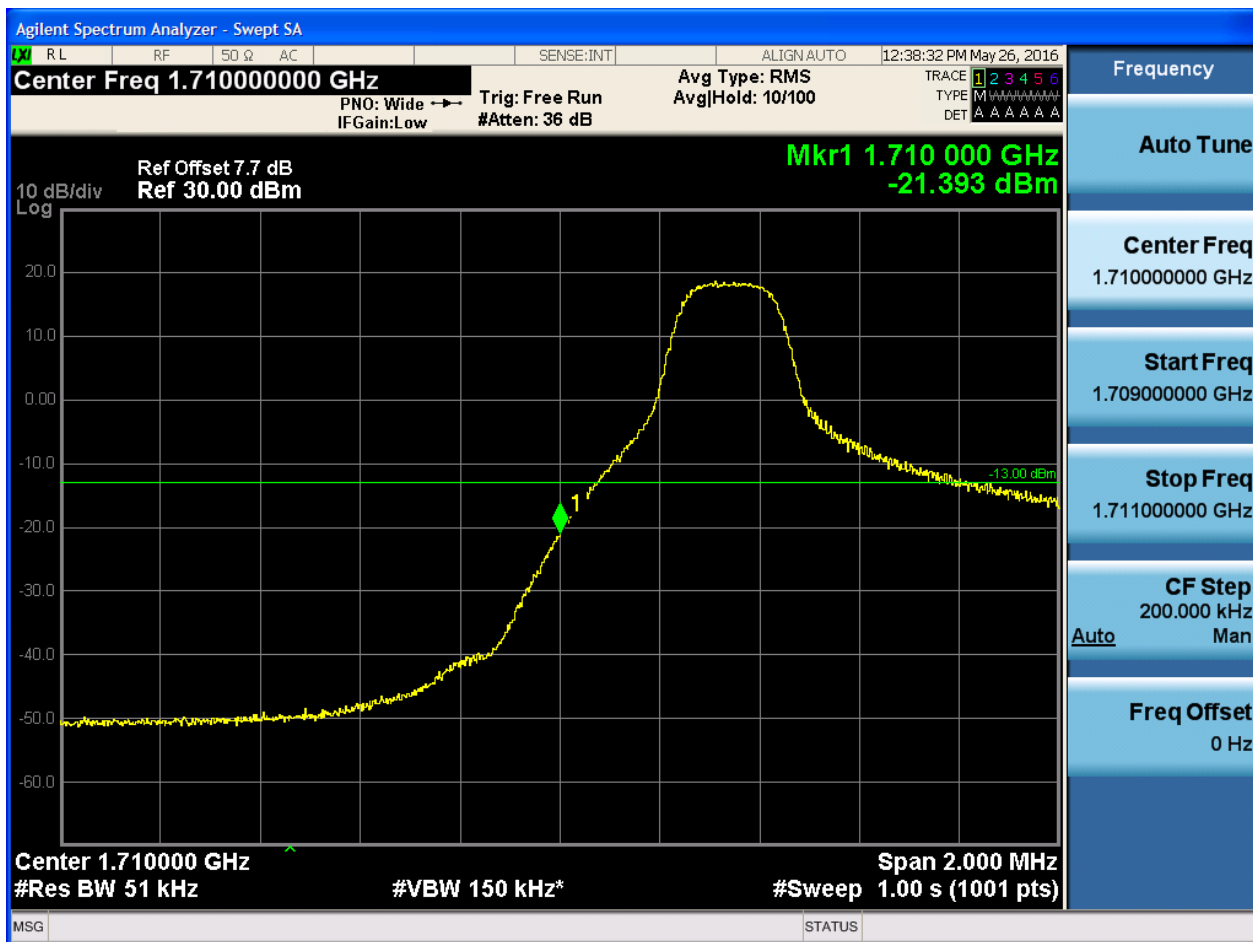
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

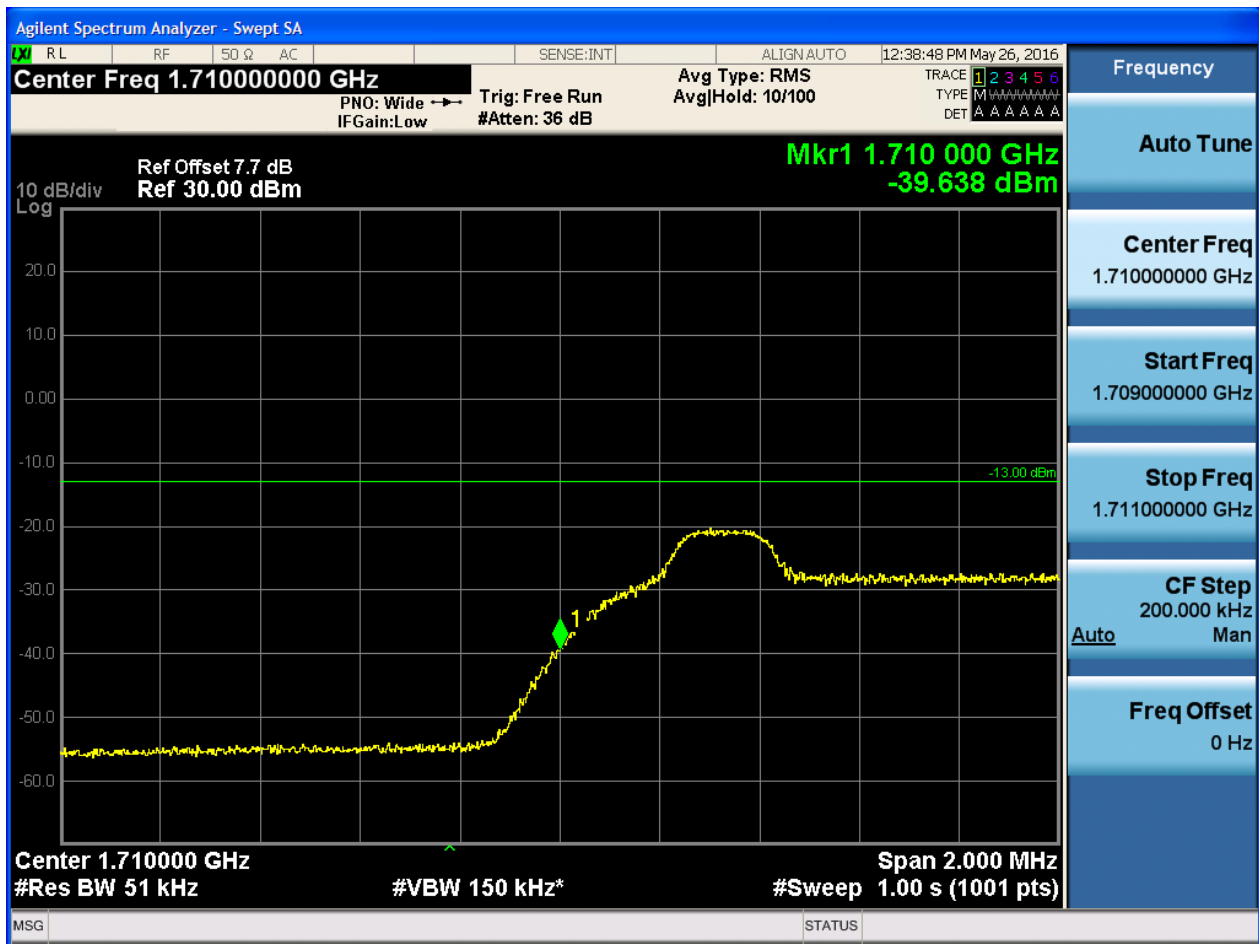
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



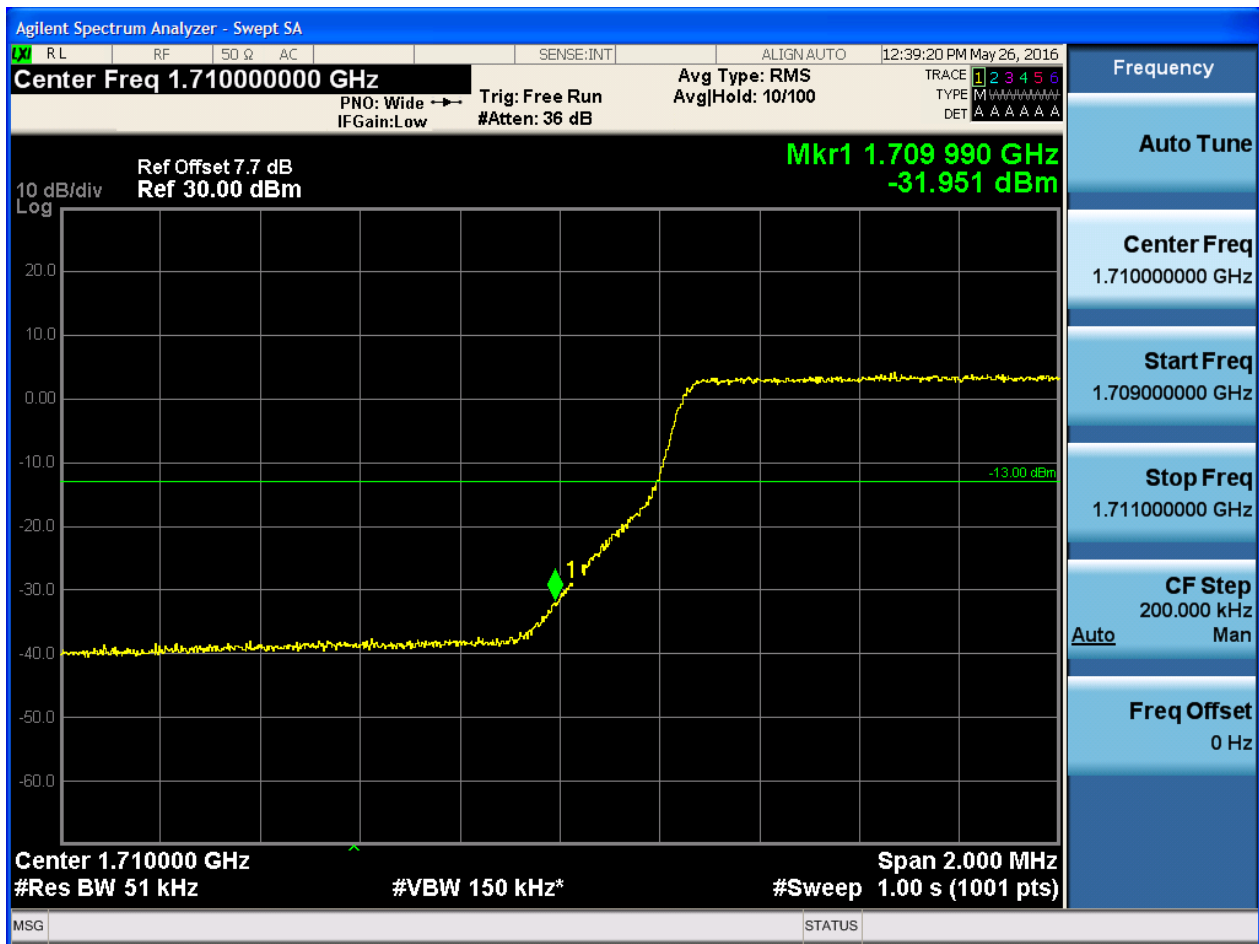


5.1.1.1.3.1.3 Test RB = RB12#6





5.1.1.1.3.1.4 Test RB = RB25#0





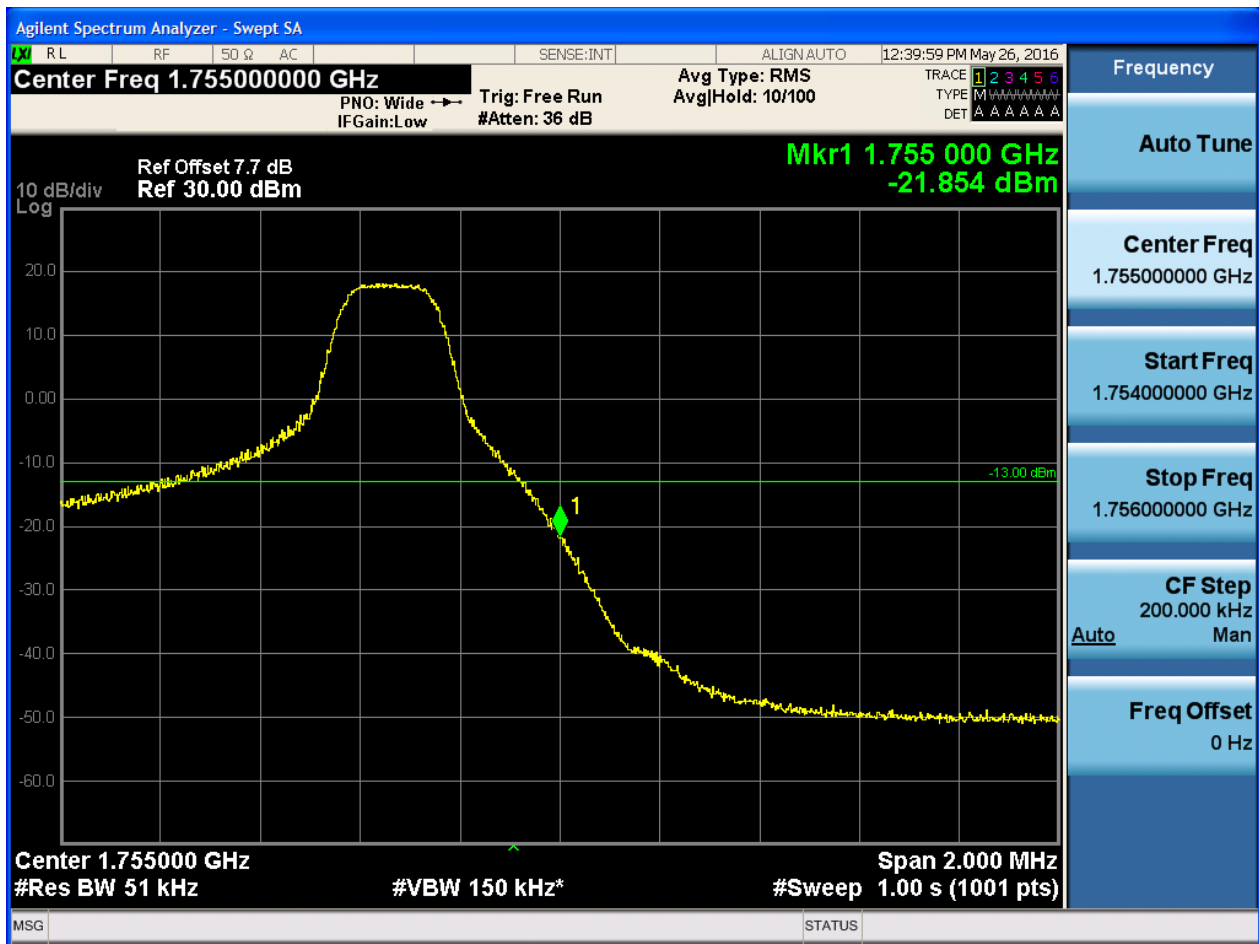
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

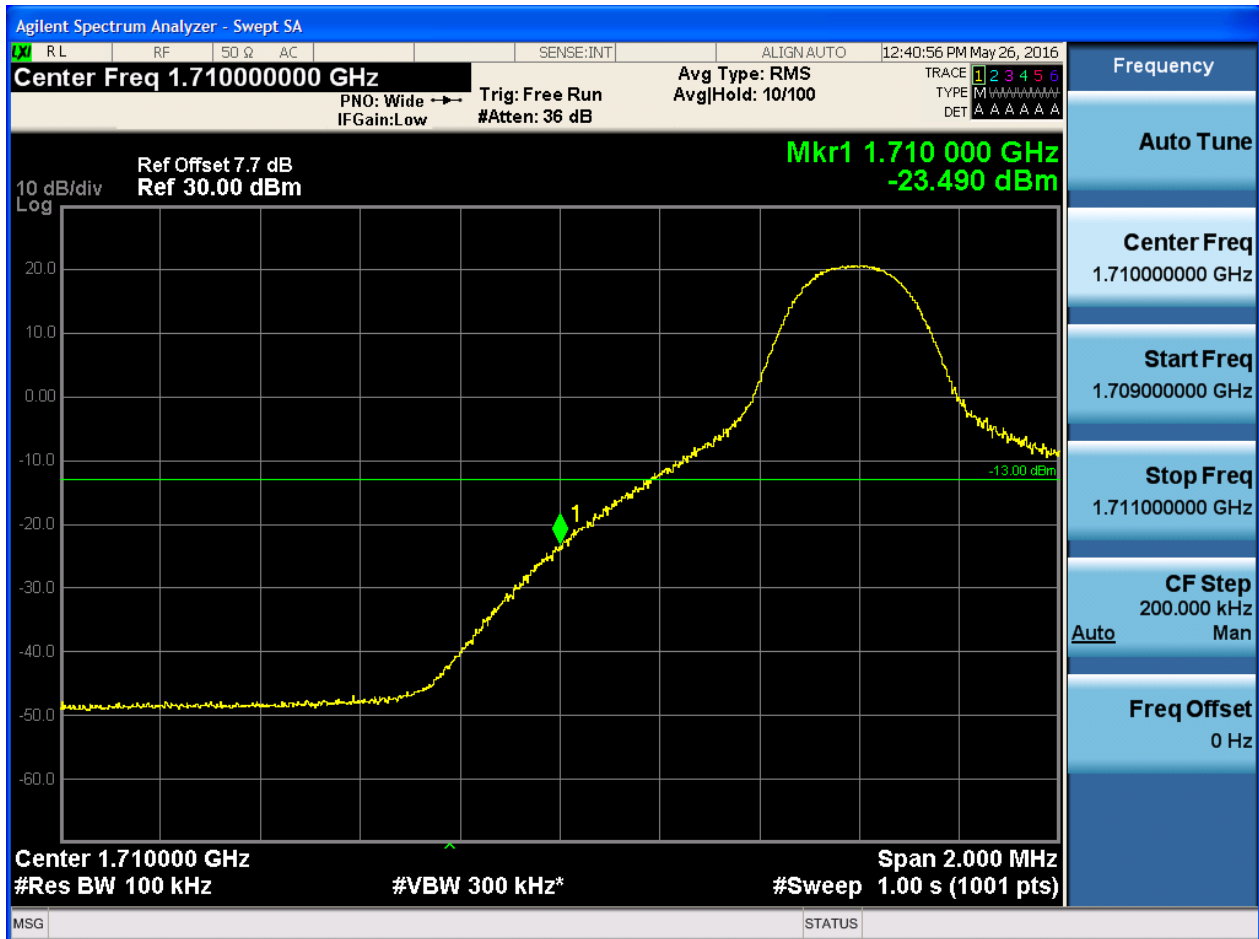




5.1.1.1.4 Test Bandwidth = 10

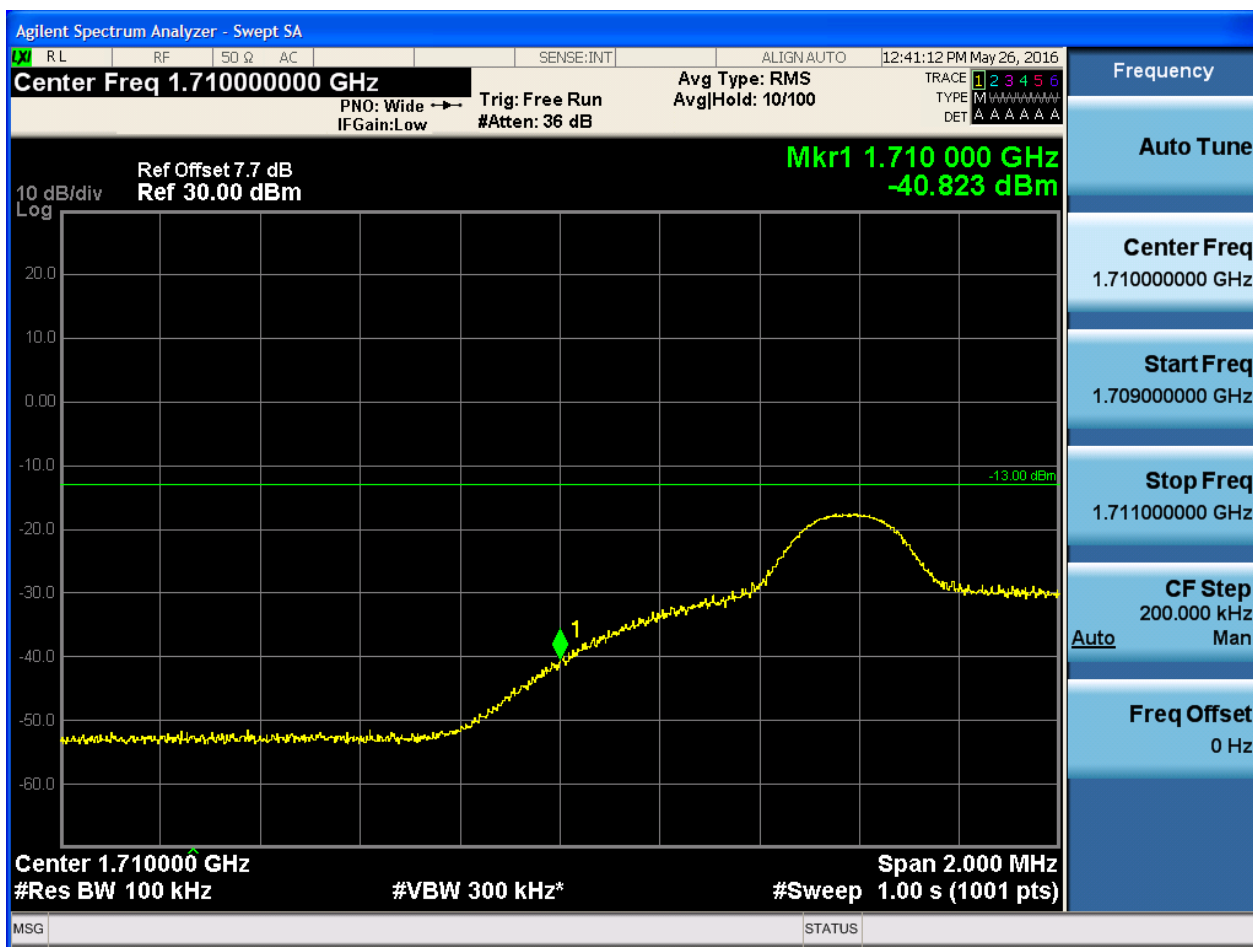
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



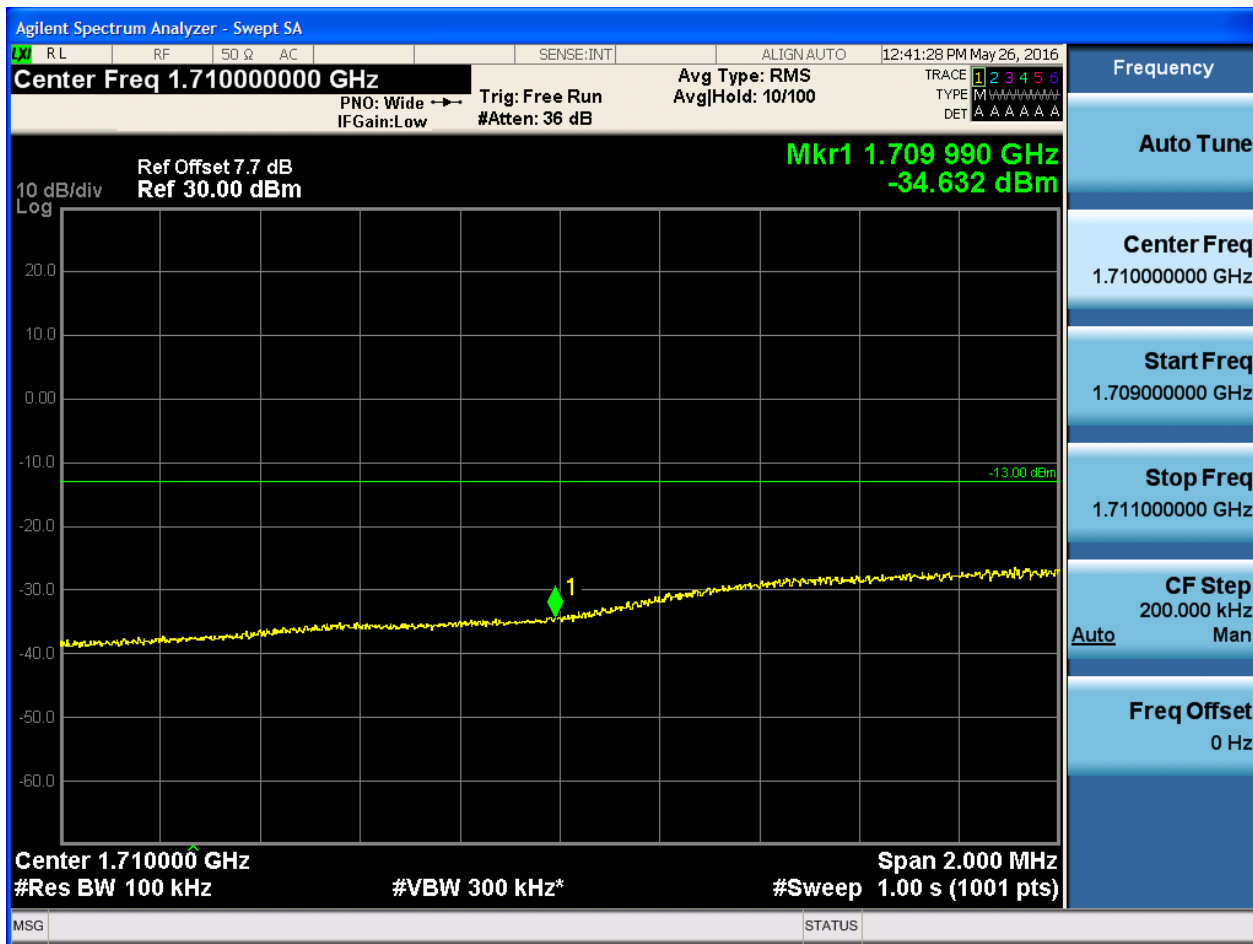


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0





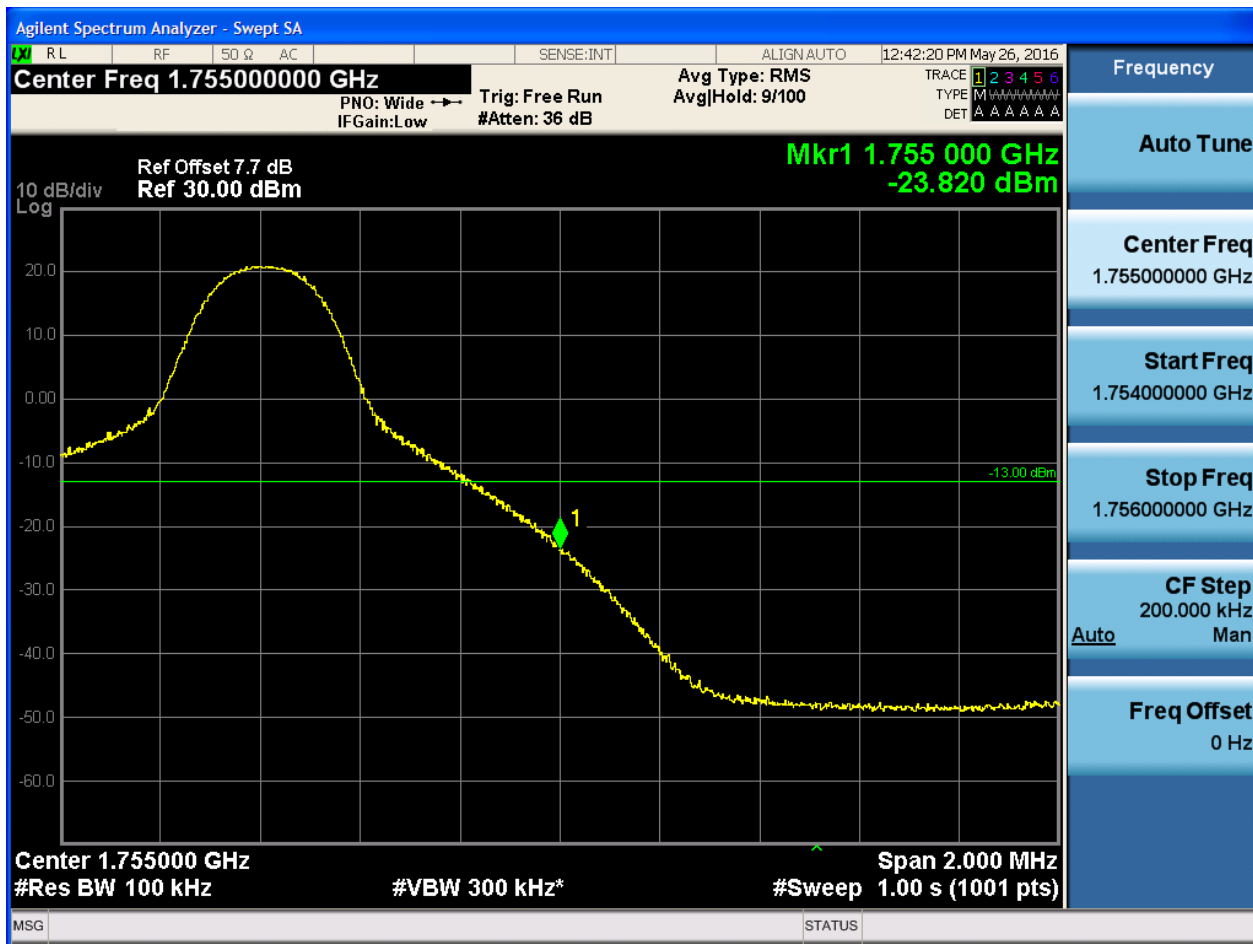
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



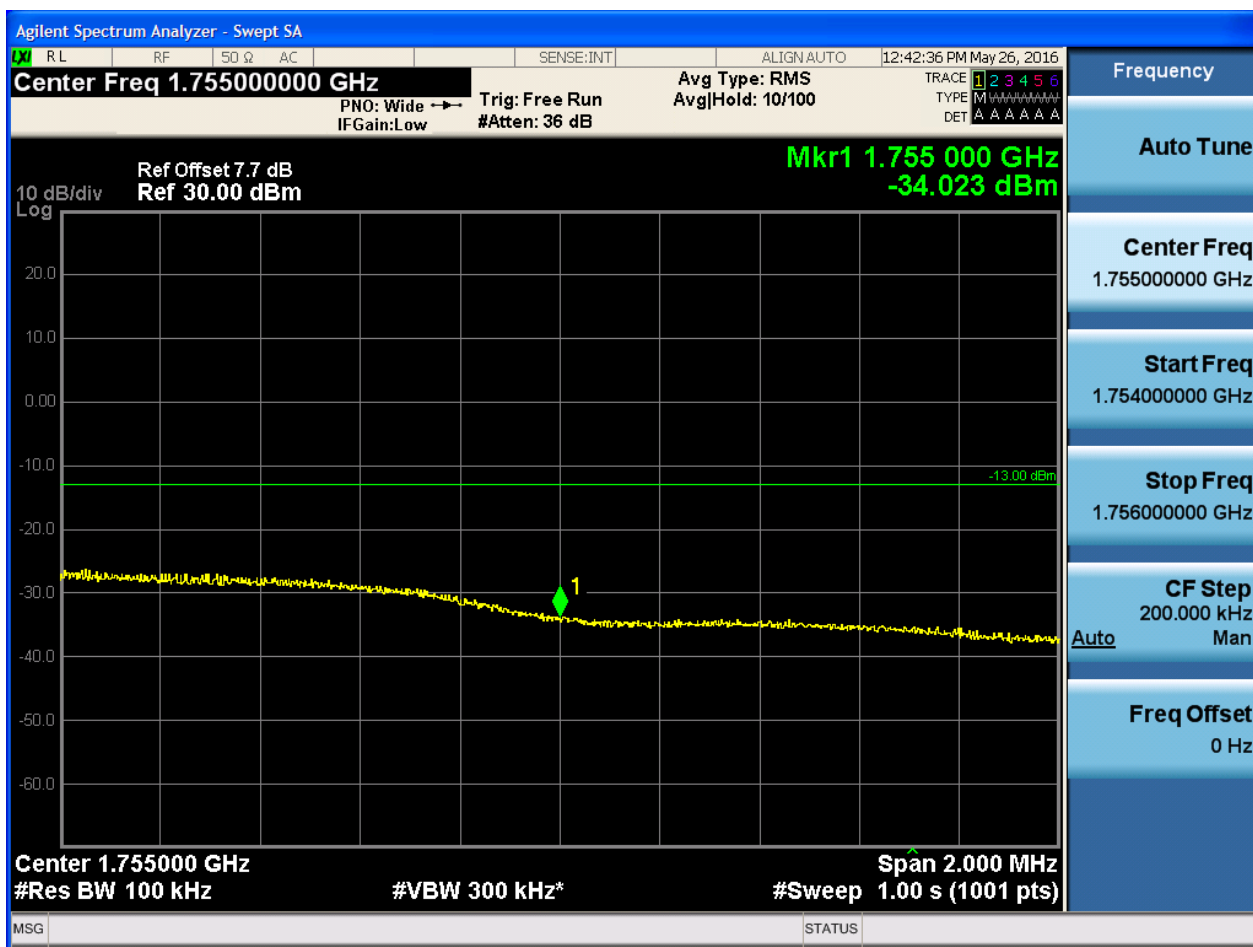


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





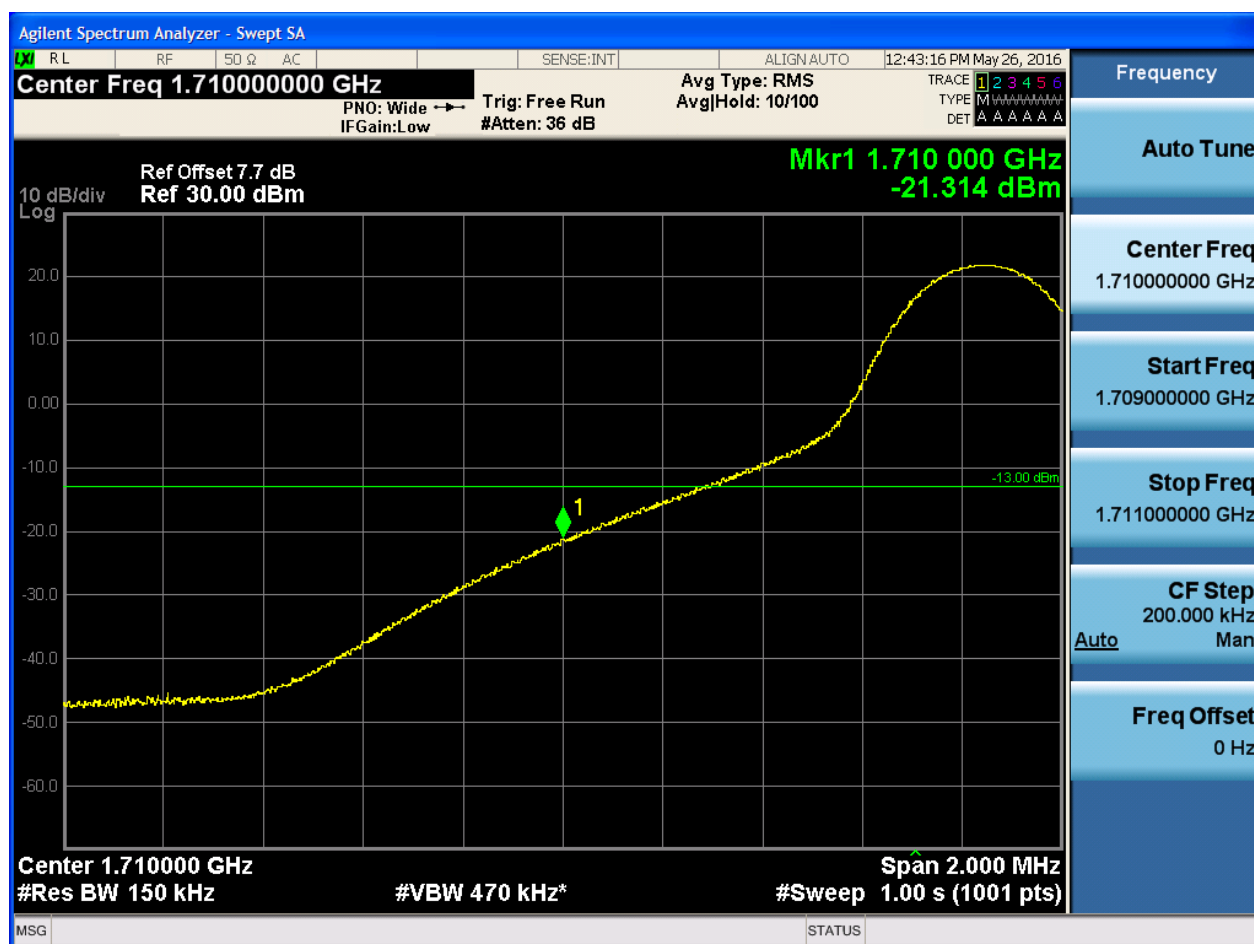
5.1.1.1.4.2.4 Test RB = RB50#0



5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74



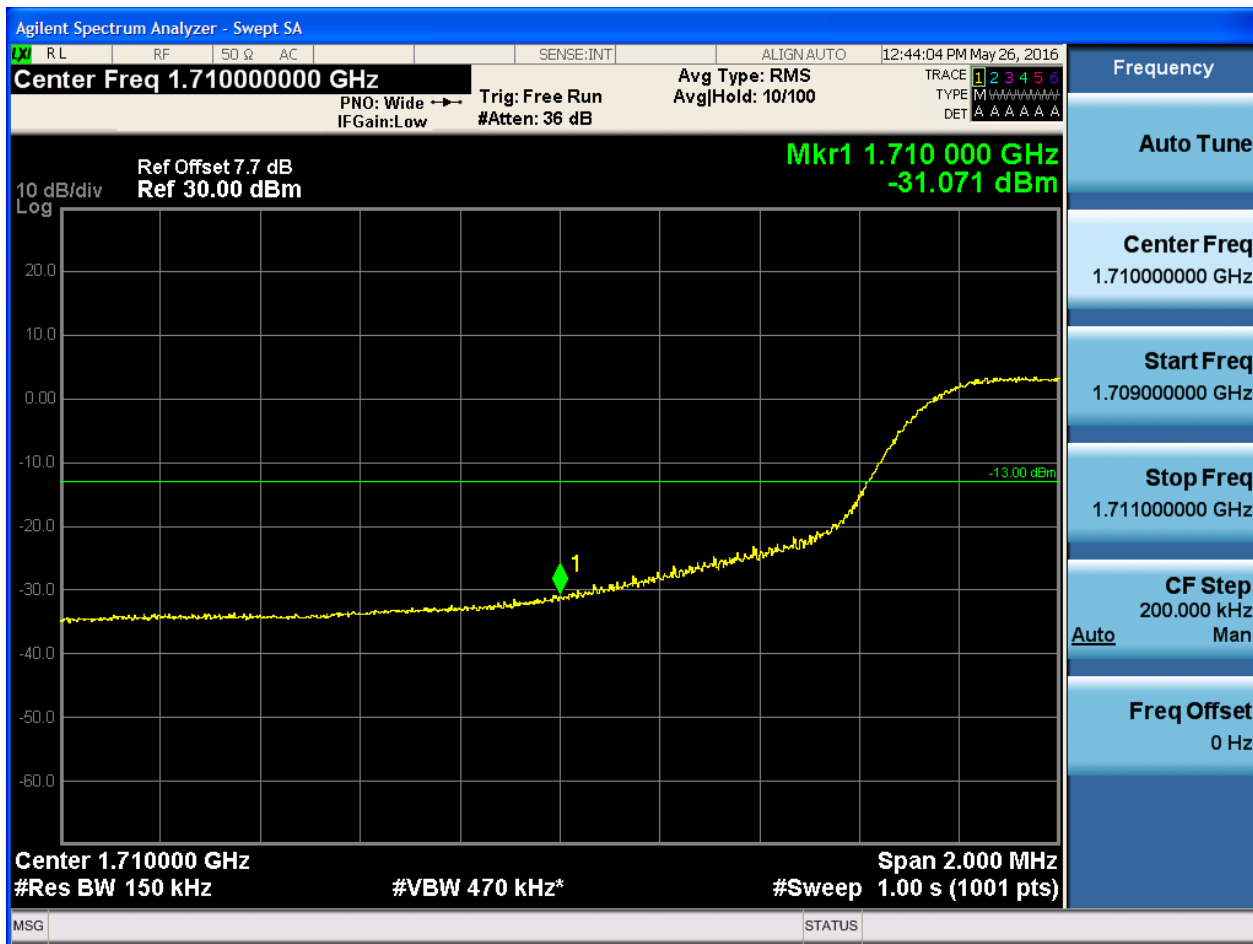


5.1.1.1.5.1.3 Test RB = RB38#19





5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0

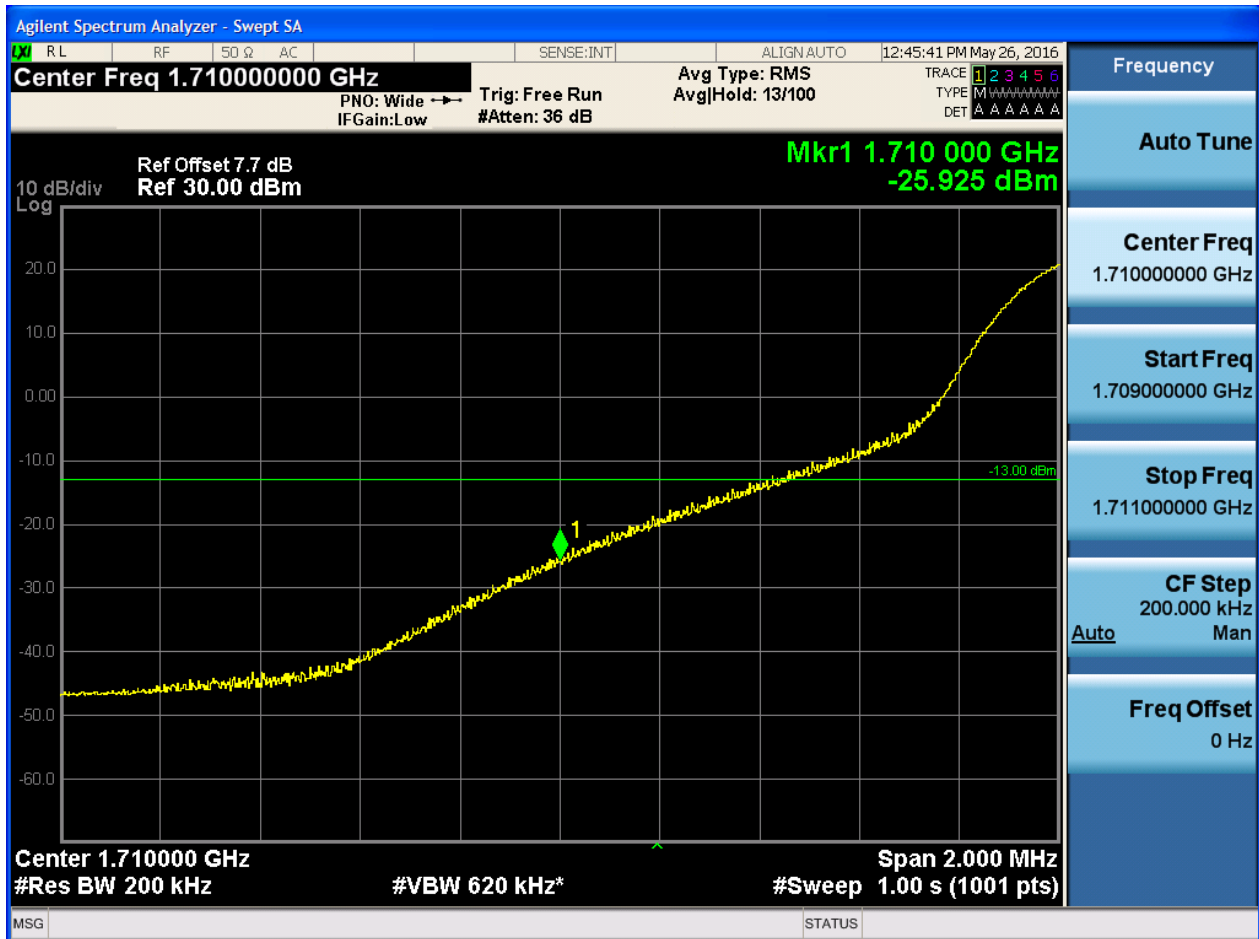




5.1.1.1.6 Test Bandwidth = 20

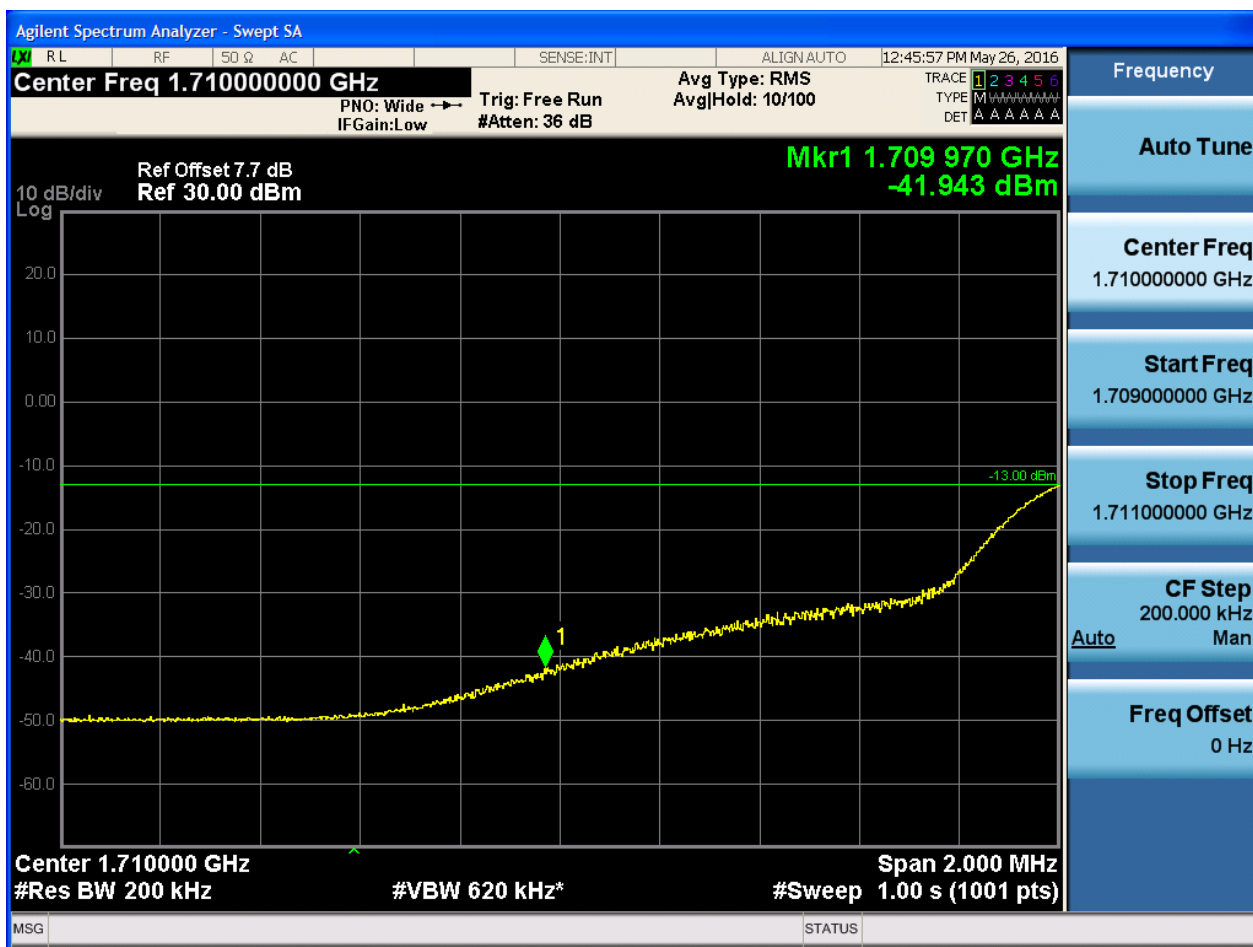
5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



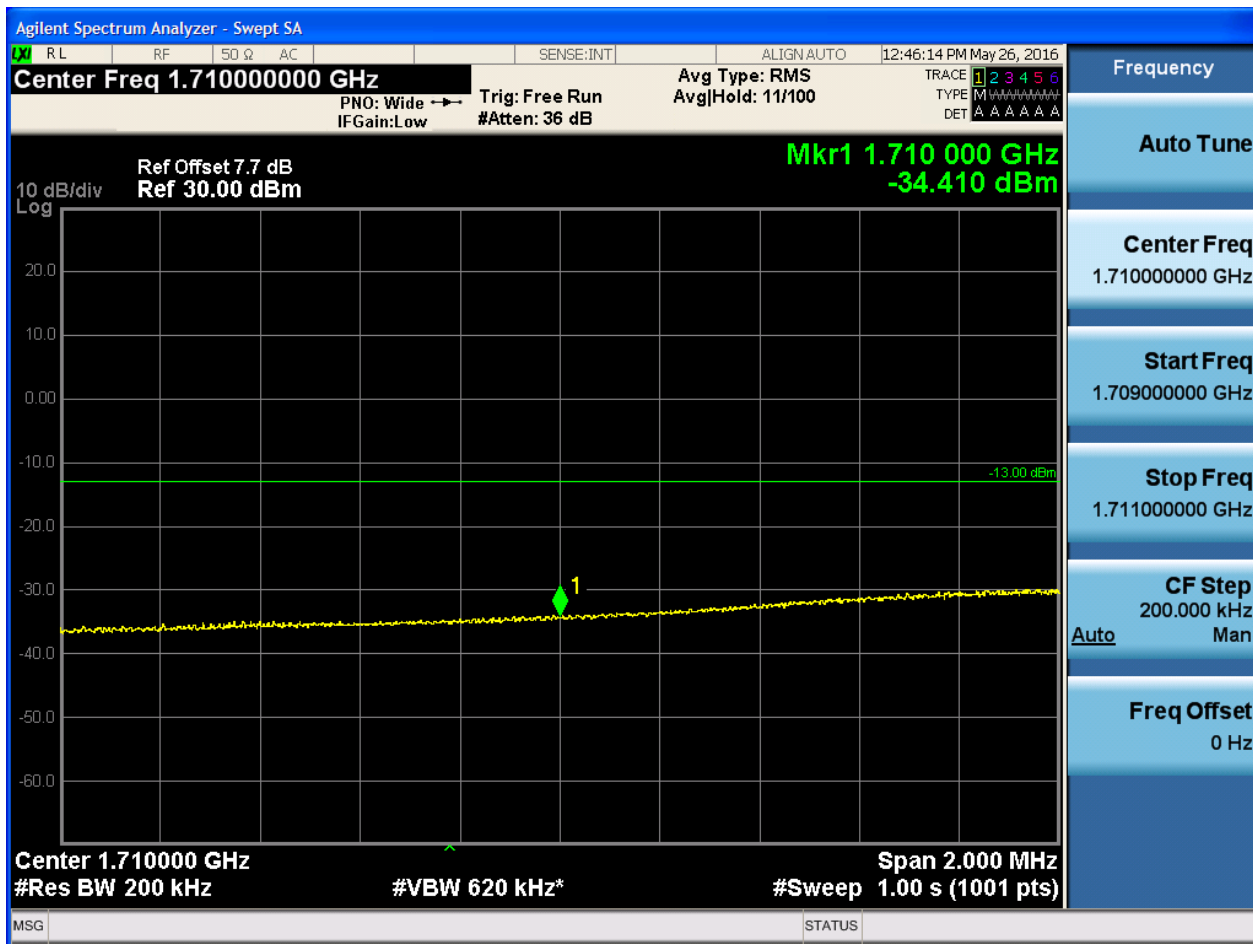


5.1.1.1.6.1.2 Test RB = RB1#99



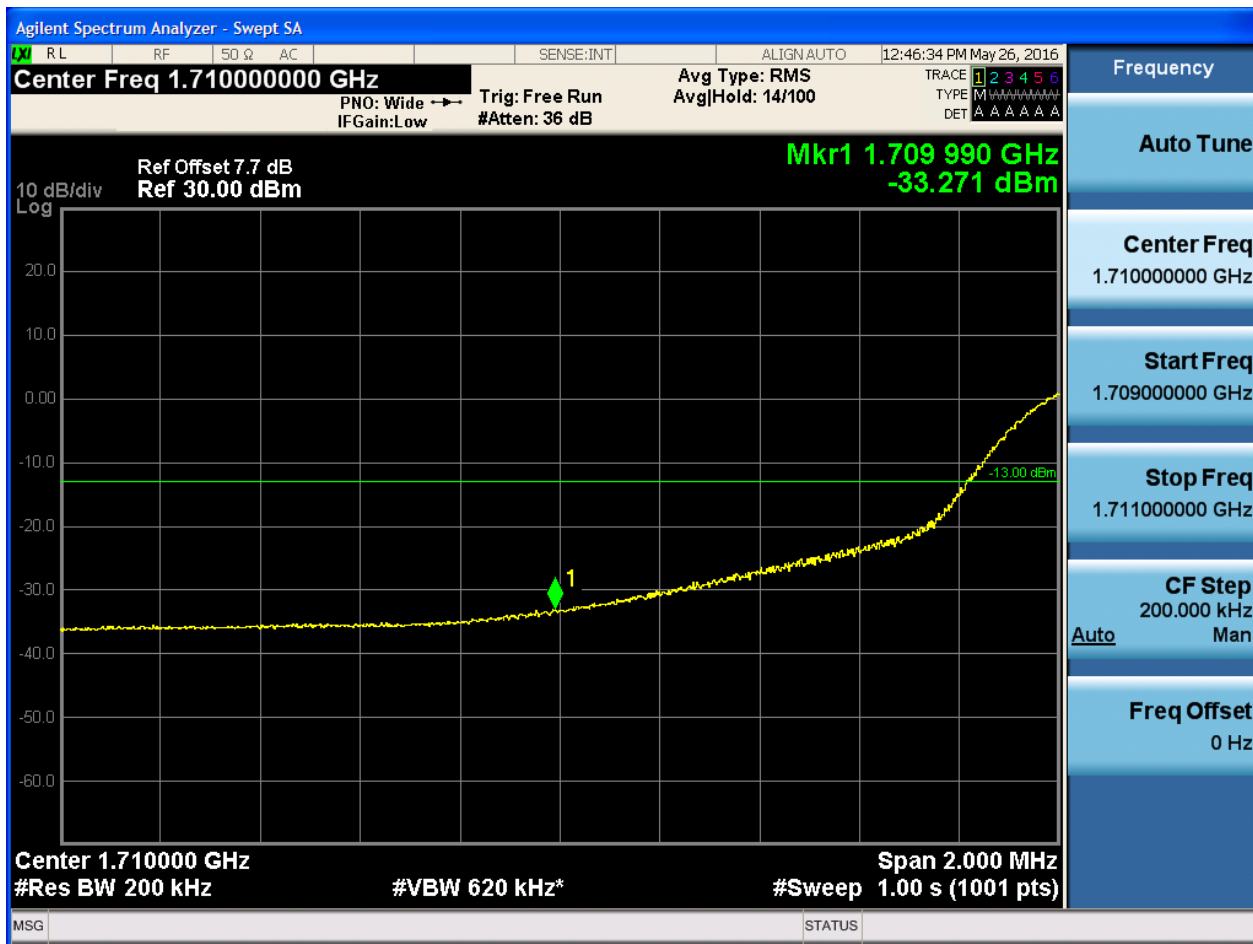


5.1.1.1.6.1.3 Test RB = RB50#25





5.1.1.1.6.1.4 Test RB = RB100#0





5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



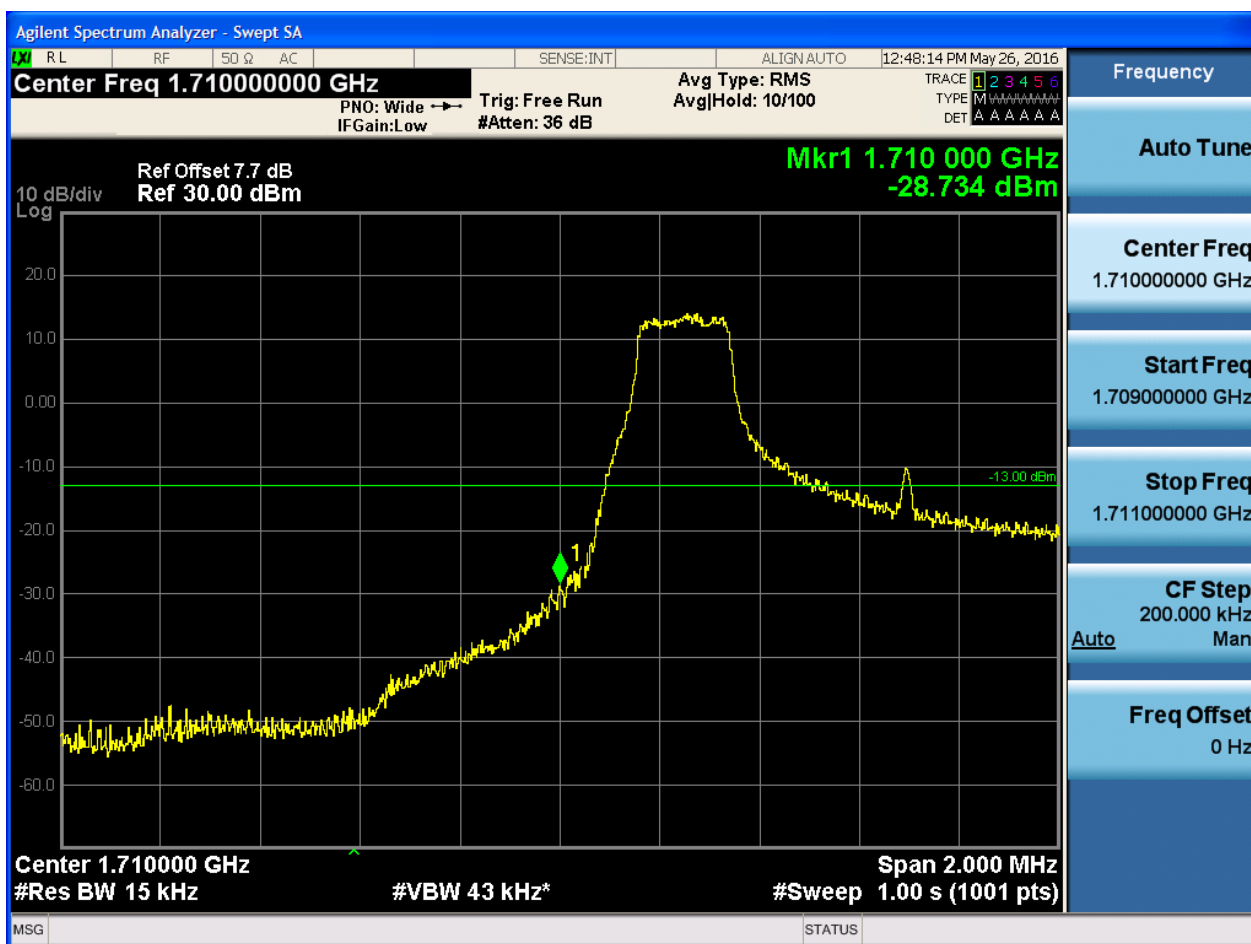


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

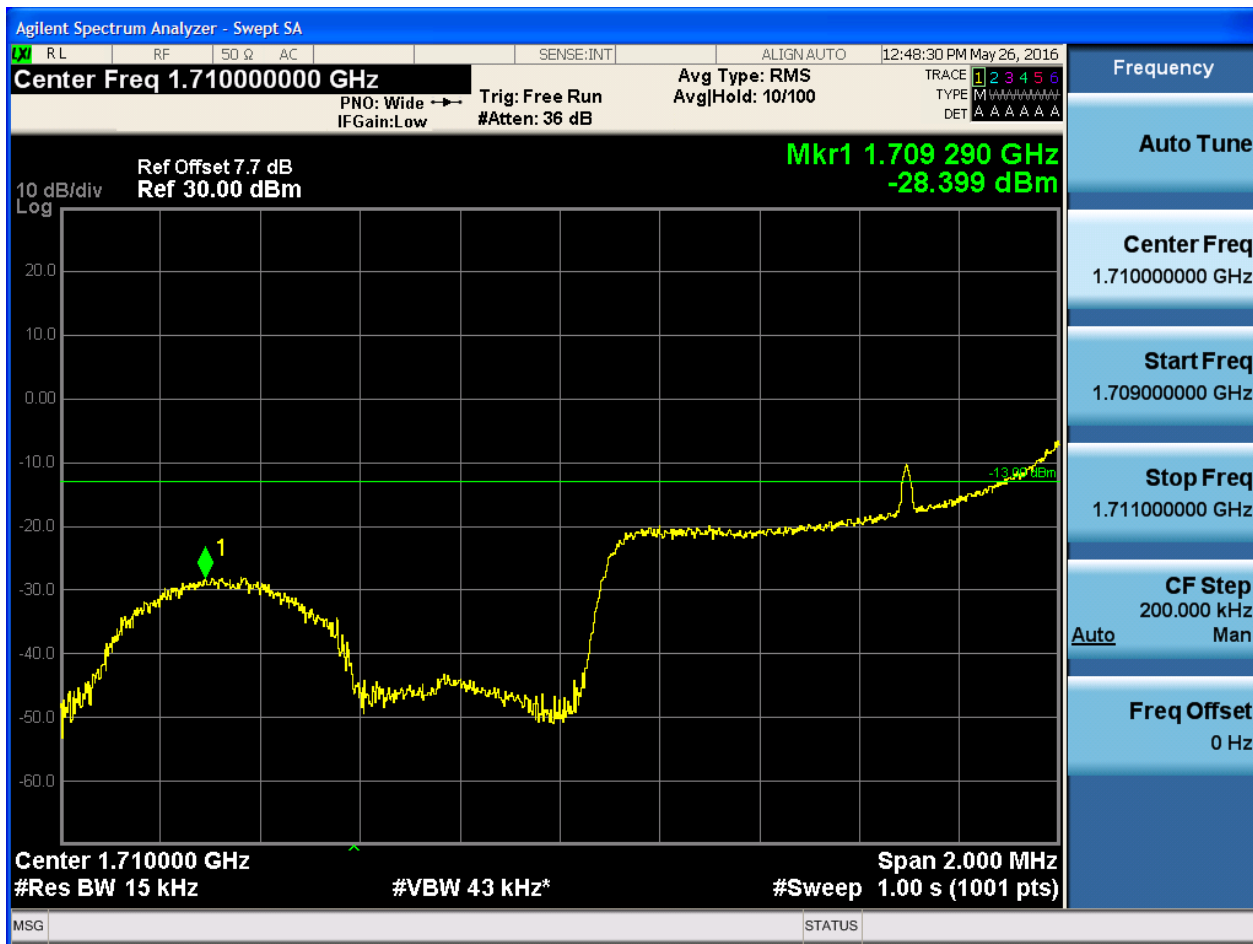
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



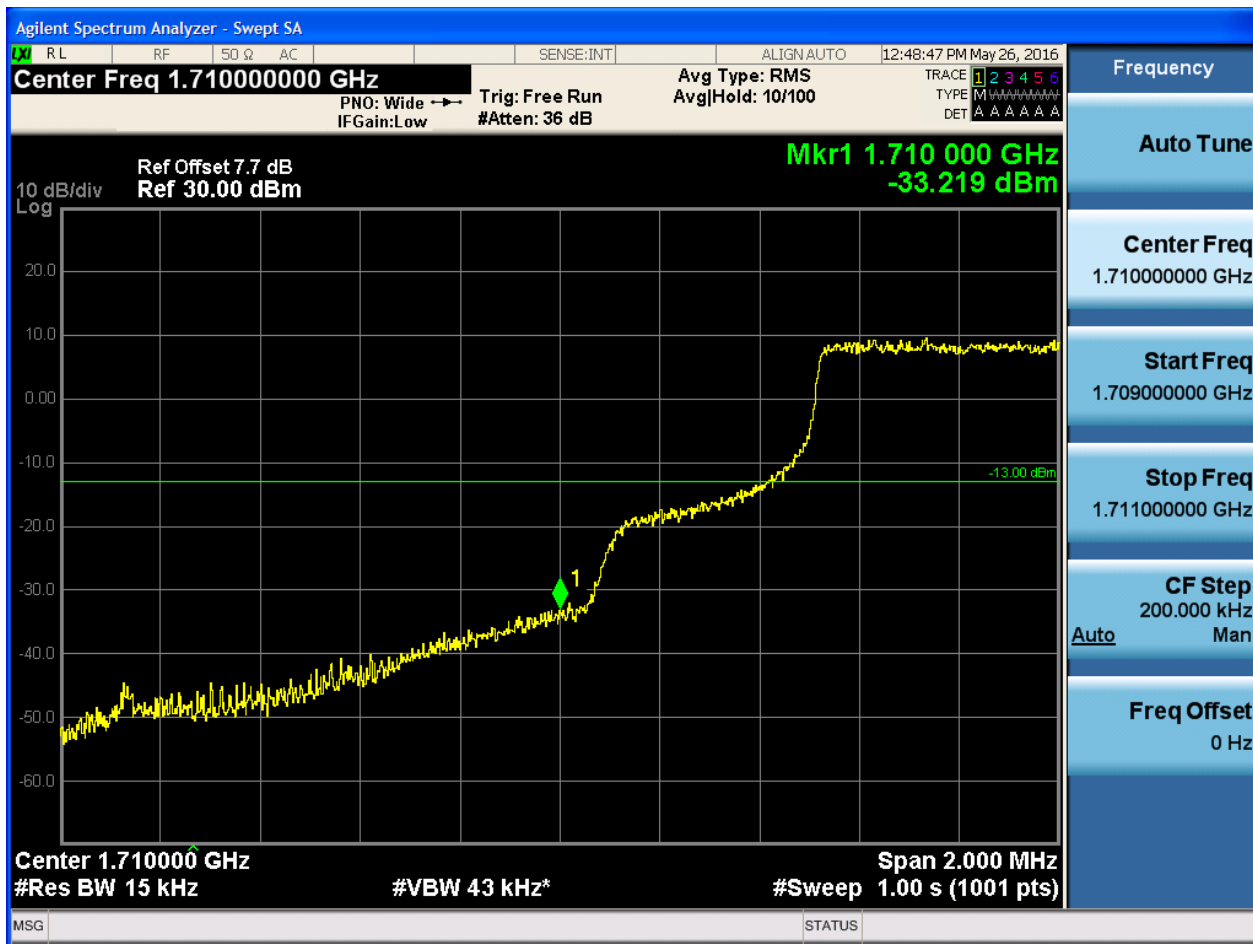


5.1.1.2.1.2 Test RB = RB1#5



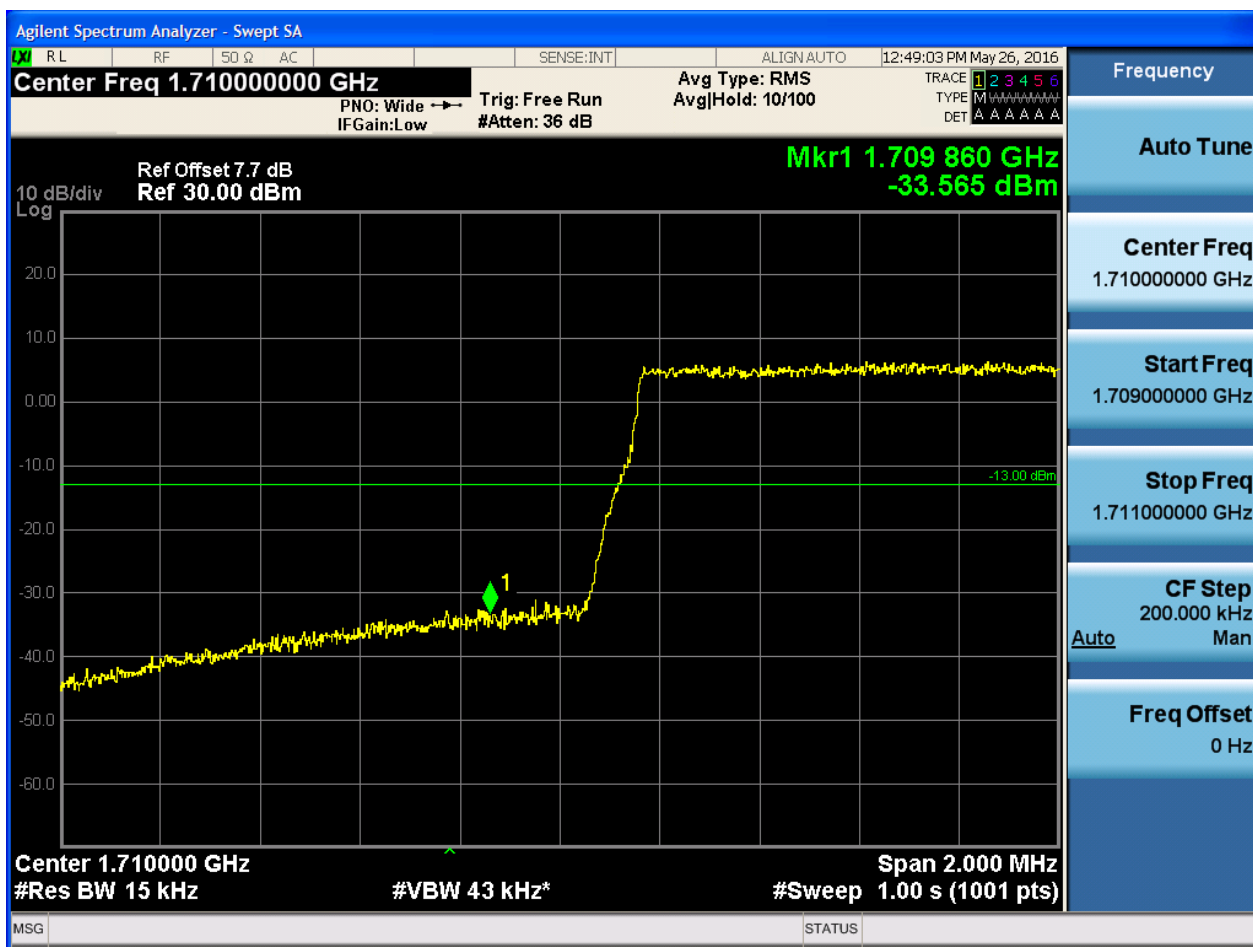


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





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Center Freq 1.755000000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-28.684 dBm

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

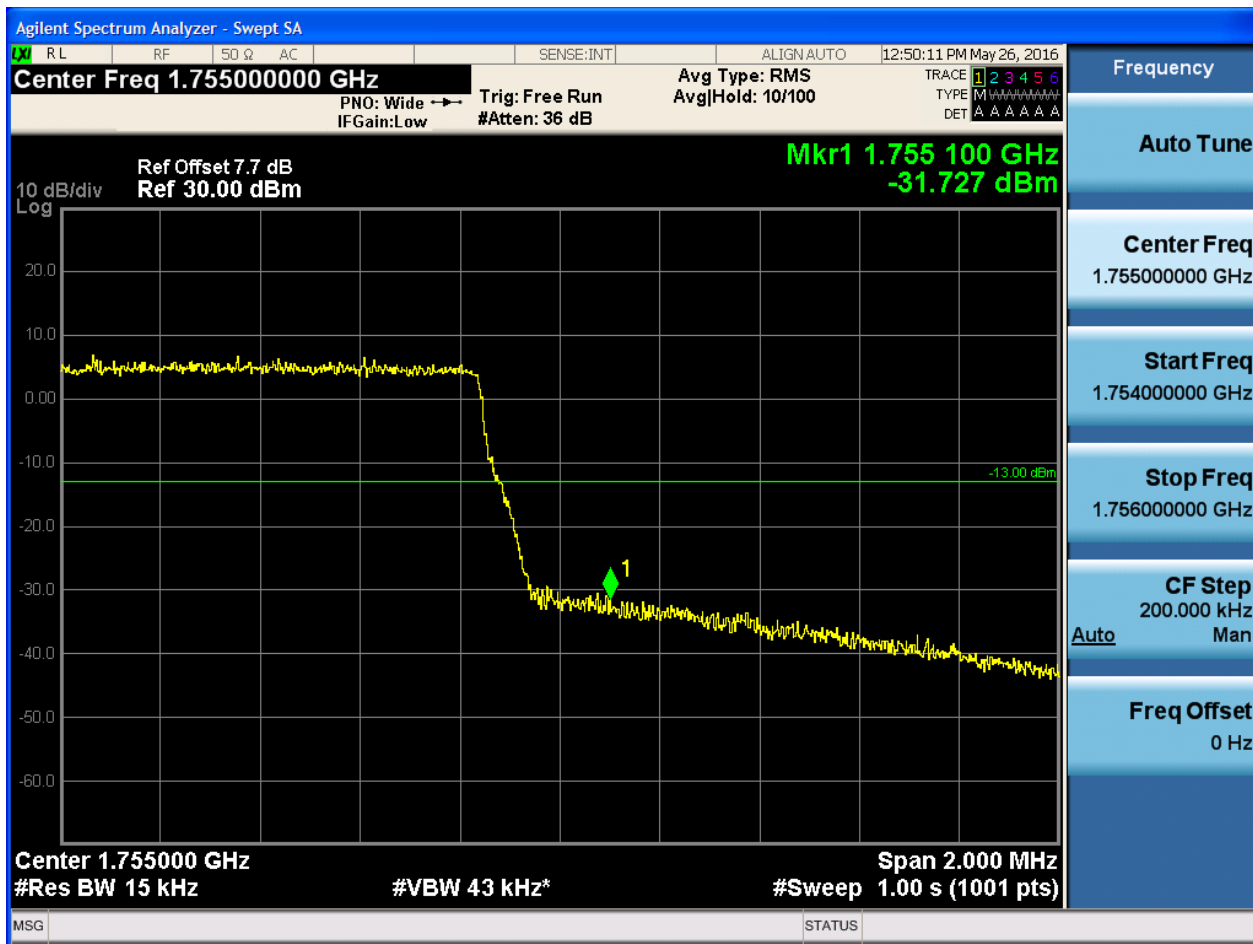


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

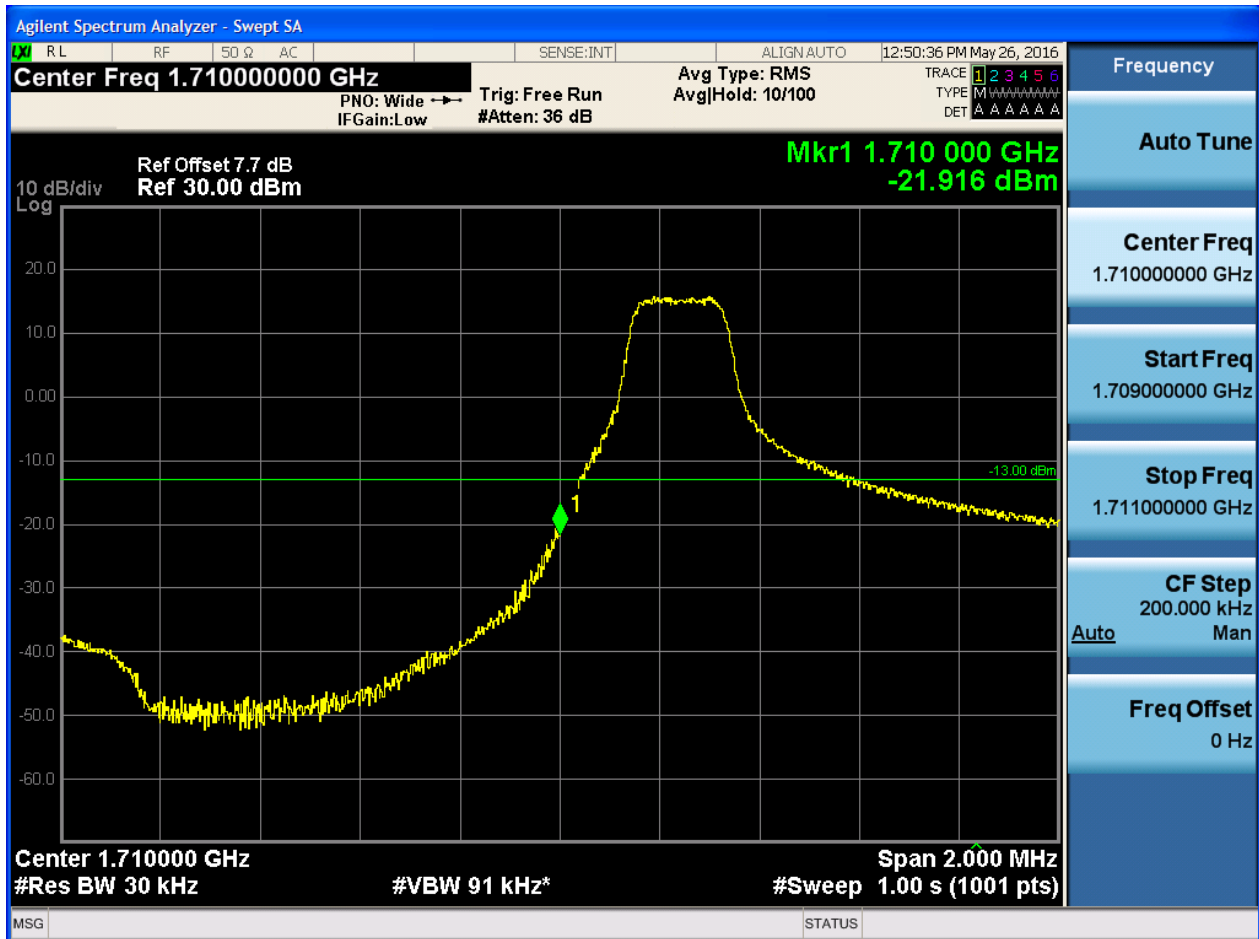




5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14

