



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	1.034M	902.731k	903KF1D	1.026M	880.534k
BT-EDR(2Mbps)	1.356M	1.217M	1M22G1D	1.35M	1.213M
BT-EDR(3Mbps)	1.309M	1.208M	1M21G1D	1.306M	1.206M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.026M	880.534k
2441MHz	Pass	Inf	1.029M	891.982k
2480MHz	Pass	Inf	1.034M	902.731k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.356M	1.217M
2441MHz	Pass	Inf	1.353M	1.213M
2480MHz	Pass	Inf	1.35M	1.213M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.309M	1.206M
2441MHz	Pass	Inf	1.306M	1.208M
2480MHz	Pass	Inf	1.306M	1.208M

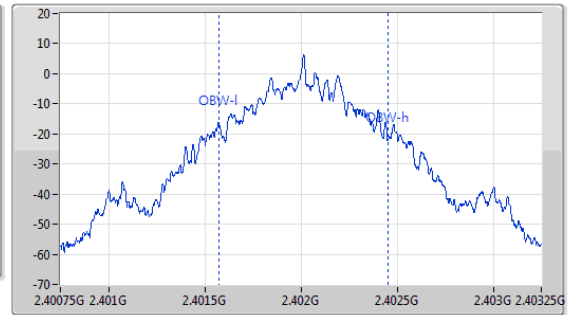
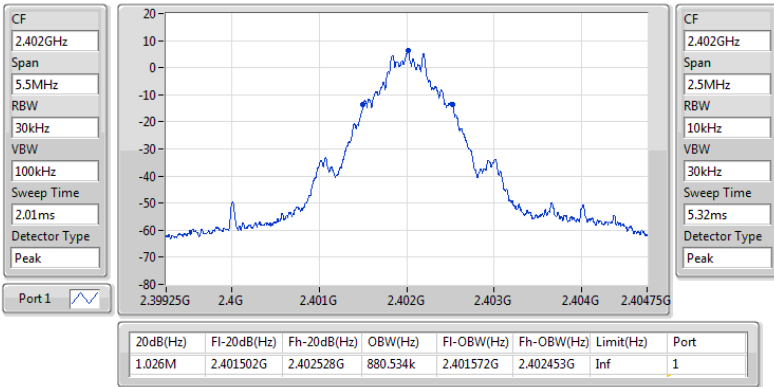
Port X-N dB = Port X 20dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth



2.4-2.4835GHz\_BT-BR(1Mbps)

EBW-FS

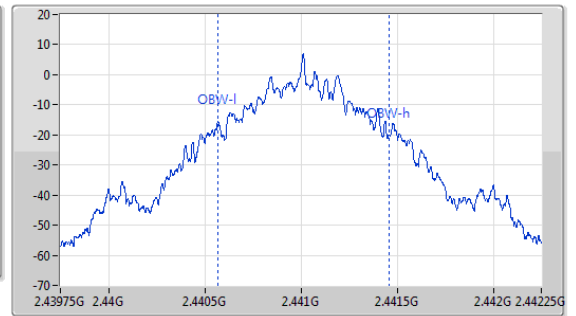
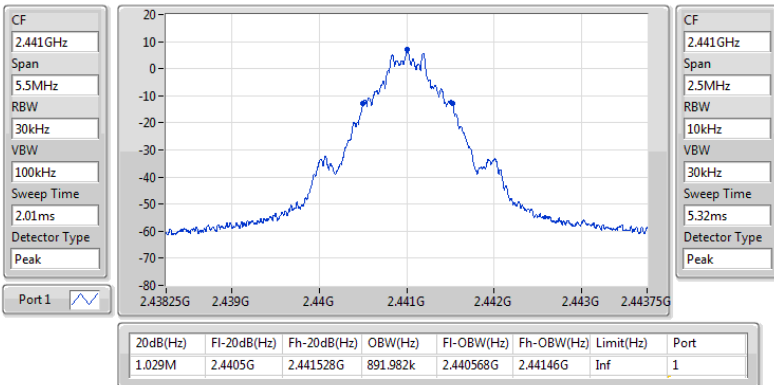
2402MHz



2.4-2.4835GHz\_BT-BR(1Mbps)

EBW-FS

2441MHz



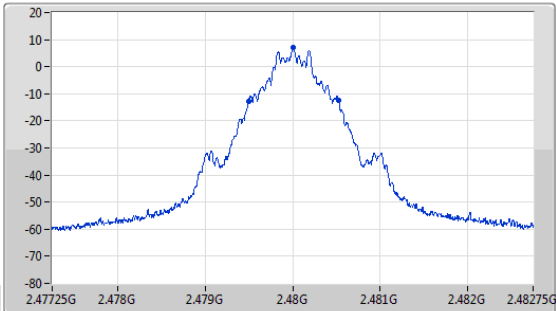


2.4-2.4835GHz\_BT-BR(1Mbps)

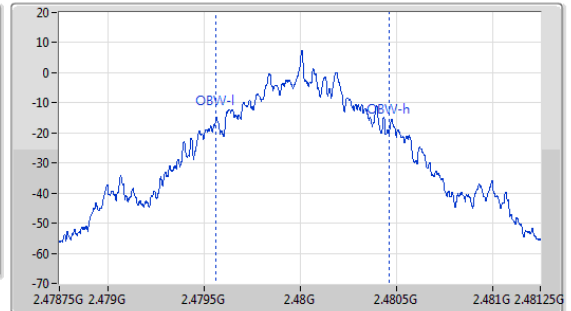
EBW-FS

2480MHz

CF  
2.48GHz  
Span  
5.5MHz  
RBW  
30kHz  
VBW  
100kHz  
Sweep Time  
5ms  
Detector Type  
Peak



CF  
2.48GHz  
Span  
2.5MHz  
RBW  
10kHz  
VBW  
30kHz  
Sweep Time  
5.32ms  
Detector Type  
Peak



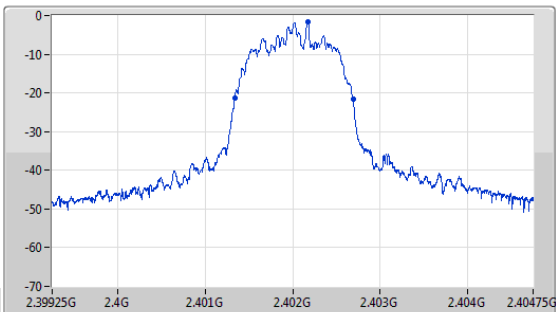
20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.034M	2.479494G	2.480528G	902.731k	2.479562G	2.480465G	Inf	1

2.4-2.4835GHz\_BT-EDR(2Mbps)

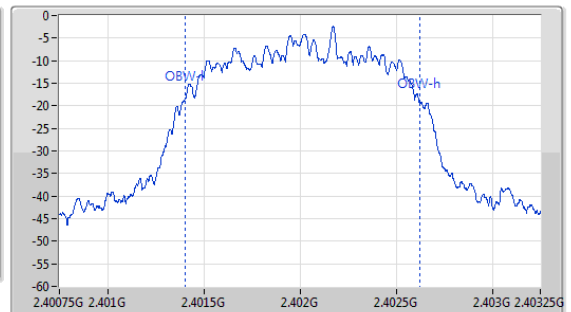
EBW-FS

2402MHz

CF  
2.402GHz  
Span  
5.5MHz  
RBW  
30kHz  
VBW  
100kHz  
Sweep Time  
5ms  
Detector Type  
Peak



CF  
2.402GHz  
Span  
2.5MHz  
RBW  
20kHz  
VBW  
100kHz  
Sweep Time  
2.66ms  
Detector Type  
Peak



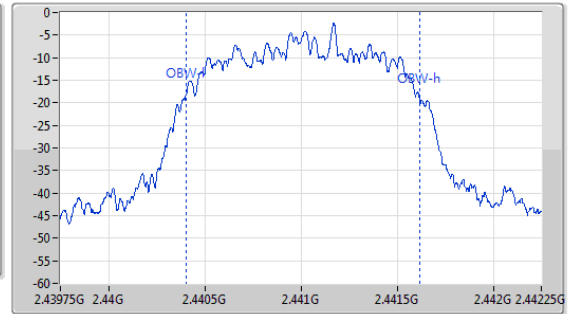
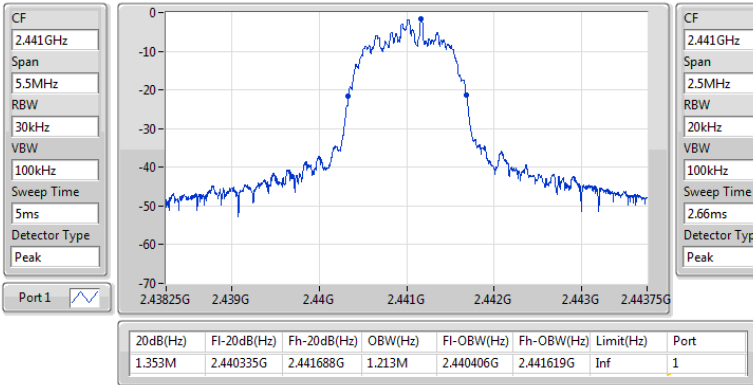
20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.356M	2.401337G	2.402693G	1.217M	2.401406G	2.402623G	Inf	1



2.4-2.4835GHz\_BT-EDR(2Mbps)

EBW-FS

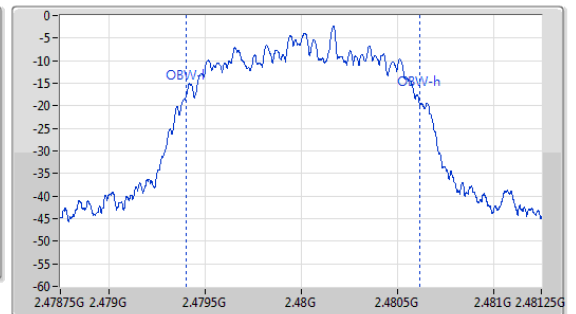
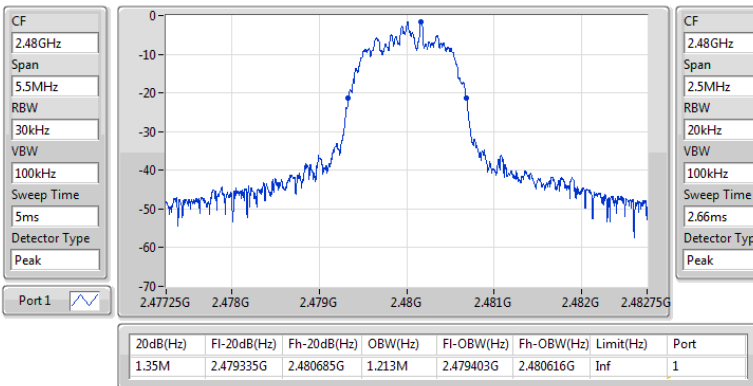
2441MHz



2.4-2.4835GHz\_BT-EDR(2Mbps)

EBW-FS

2480MHz

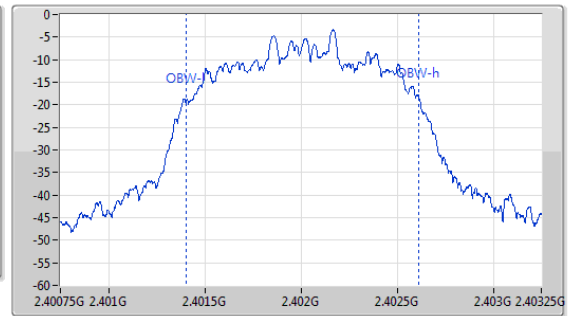
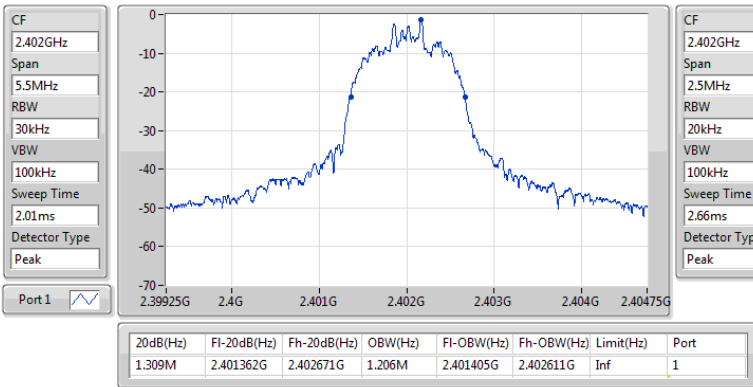




2.4-2.4835GHz\_BT-EDR(3Mbps)

EBW-FS

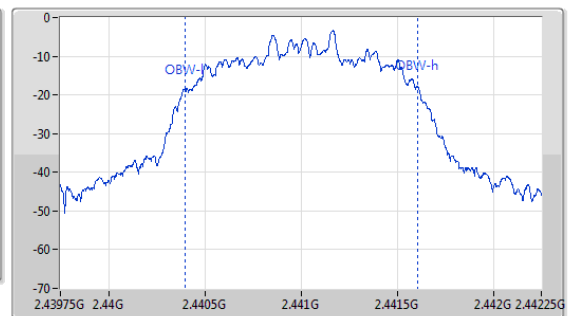
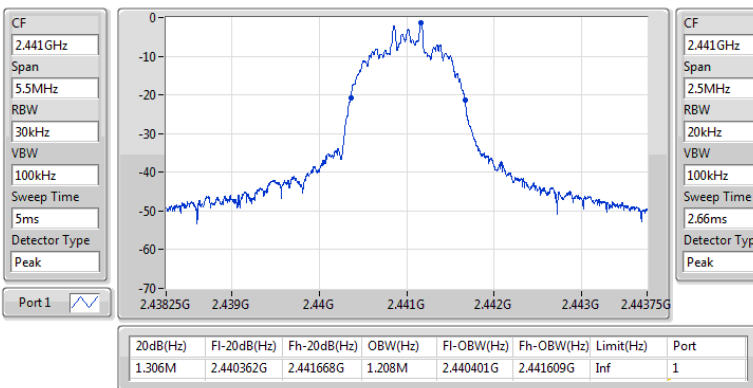
2402MHz

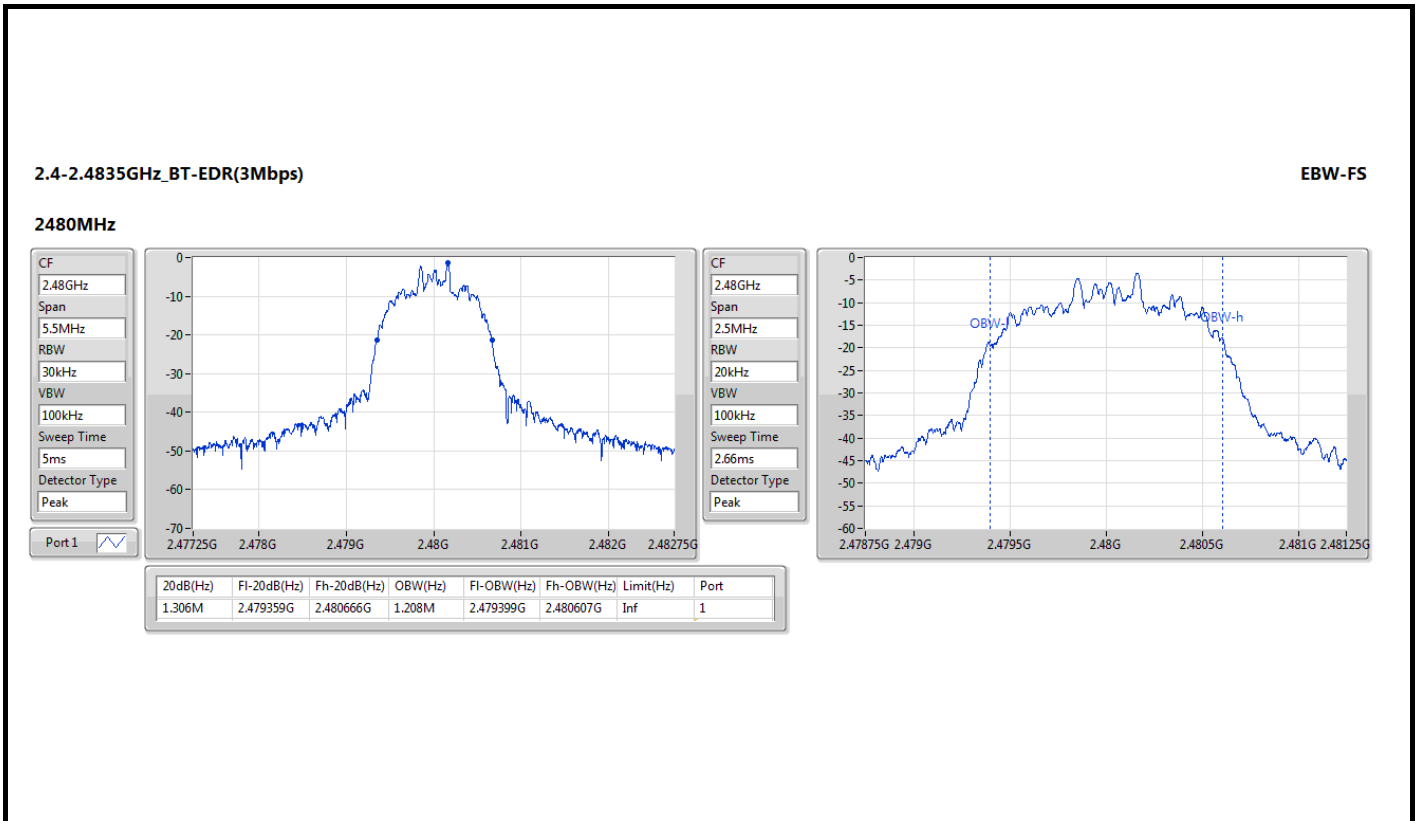


2.4-2.4835GHz\_BT-EDR(3Mbps)

EBW-FS

2441MHz







Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	1.0005M
BT-EDR(2Mbps)	1.002M	1.0005M
BT-EDR(3Mbps)	1.0035M	1.0005M

Result

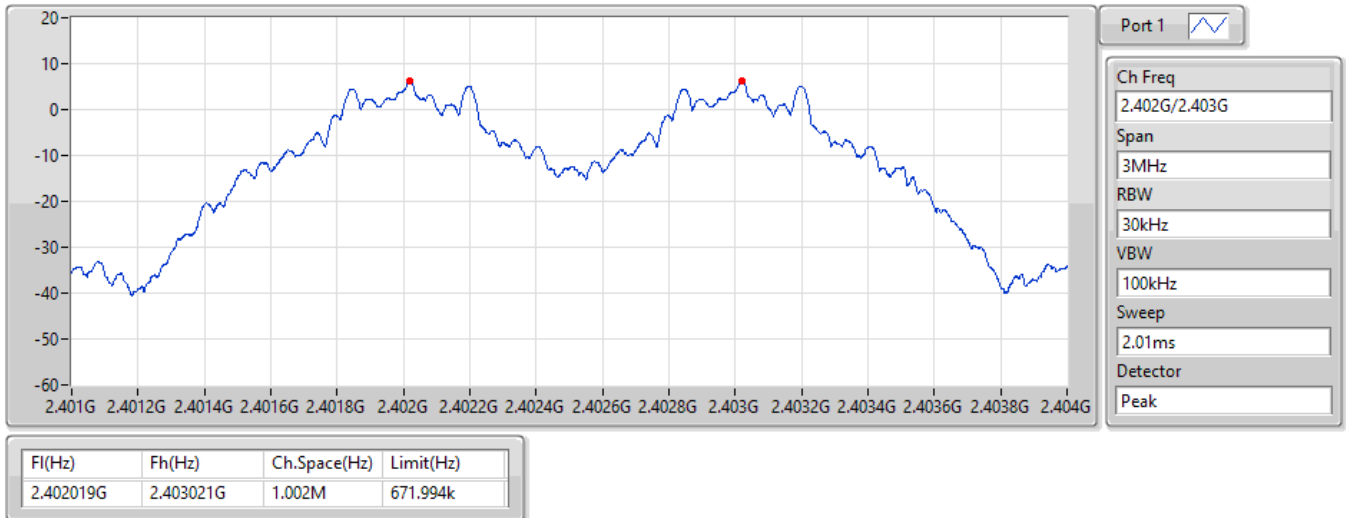
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402019G	2.403021G	1.002M	671.994k
2441MHz	Pass	2.441017G	2.442019G	1.002M	657.5085k
2480MHz	Pass	2.479016G	2.480016G	1.0005M	673.992k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402176G	2.403177G	1.0005M	897.768k
2441MHz	Pass	2.441173G	2.442175G	1.002M	899.1k
2480MHz	Pass	2.479172G	2.480172G	1.0005M	901.098k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402172G	2.403172G	1.0005M	868.464k
2441MHz	Pass	2.441169G	2.442172G	1.0035M	884.448k
2480MHz	Pass	2.479167G	2.480168G	1.0005M	869.796k



2.4-2.4835GHz\_BT-BR(1Mbps)

Channel Separation-FS

2.402G/2.403GHz



2.4-2.4835GHz\_BT-BR(1Mbps)

Channel Separation-FS

2.441G/2.442GHz

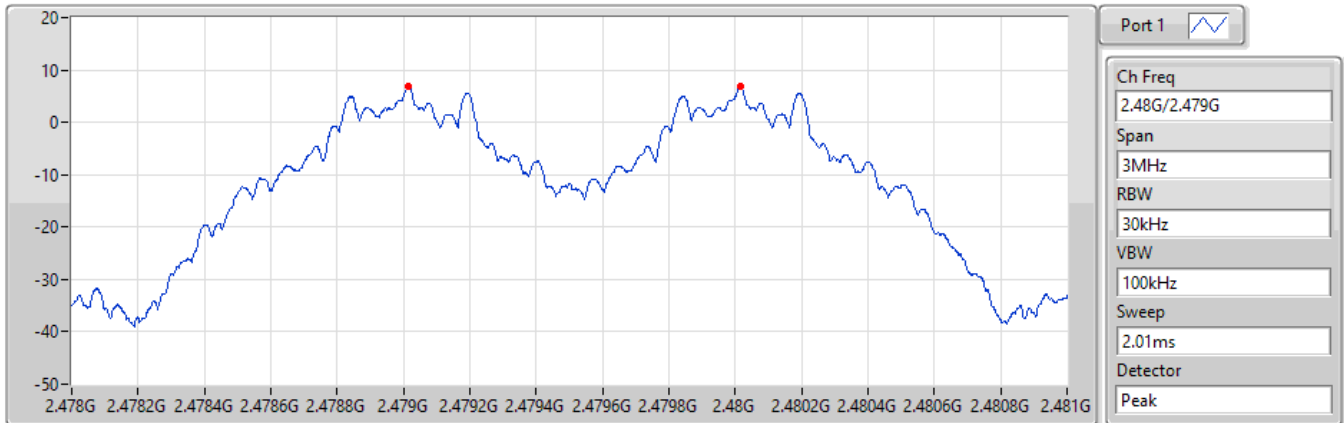




### 2.4-2.4835GHz\_BT-BR(1Mbps)

### Channel Separation-FS

2.48G/2.479GHz

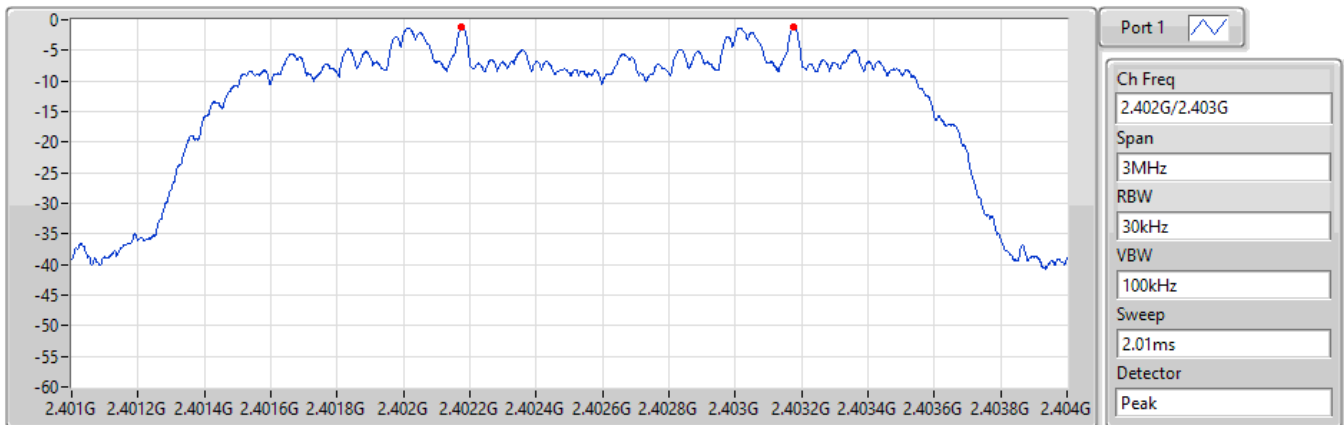


FI(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479016G	2.480016G	1.0005M	673.992k

### 2.4-2.4835GHz\_BT-EDR(2Mbps)

### Channel Separation-FS

2.402G/2.403GHz

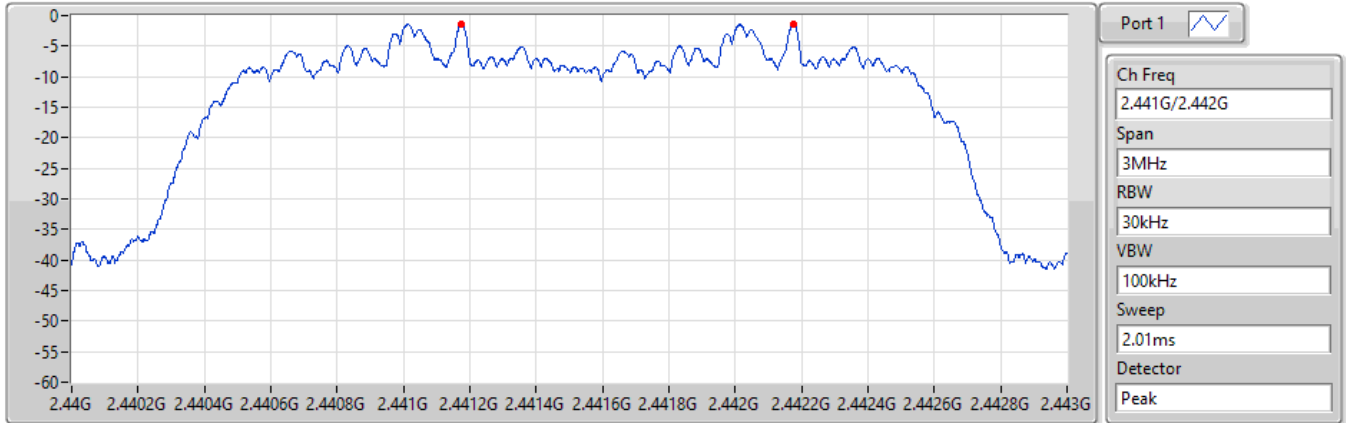


FI(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402176G	2.403176G	1.0005M	897.768k

**2.4-2.4835GHz\_BT-EDR(2Mbps)**

**Channel Separation-FS**

**2.441G/2.442GHz**

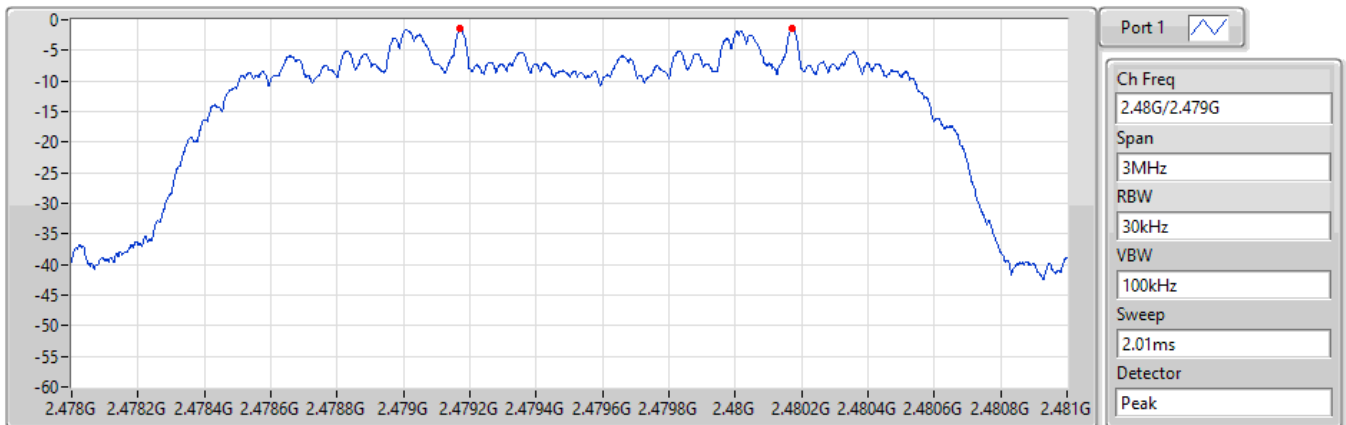


F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.441173G	2.442175G	1.002M	899.1k

**2.4-2.4835GHz\_BT-EDR(2Mbps)**

**Channel Separation-FS**

**2.48G/2.479GHz**

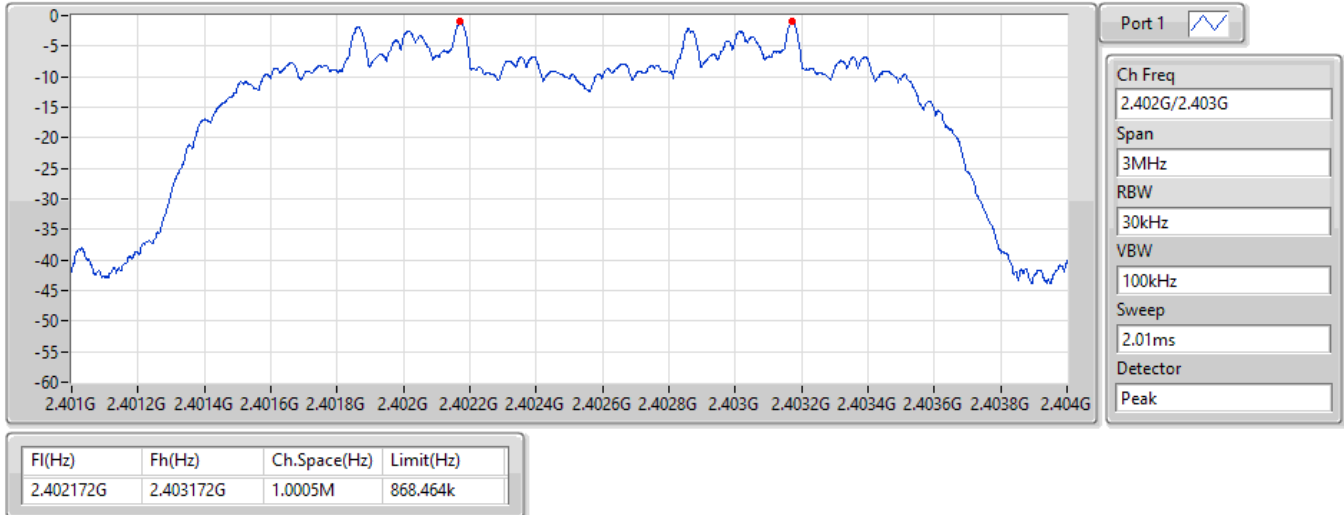


F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479172G	2.480172G	1.0005M	901.098k

2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

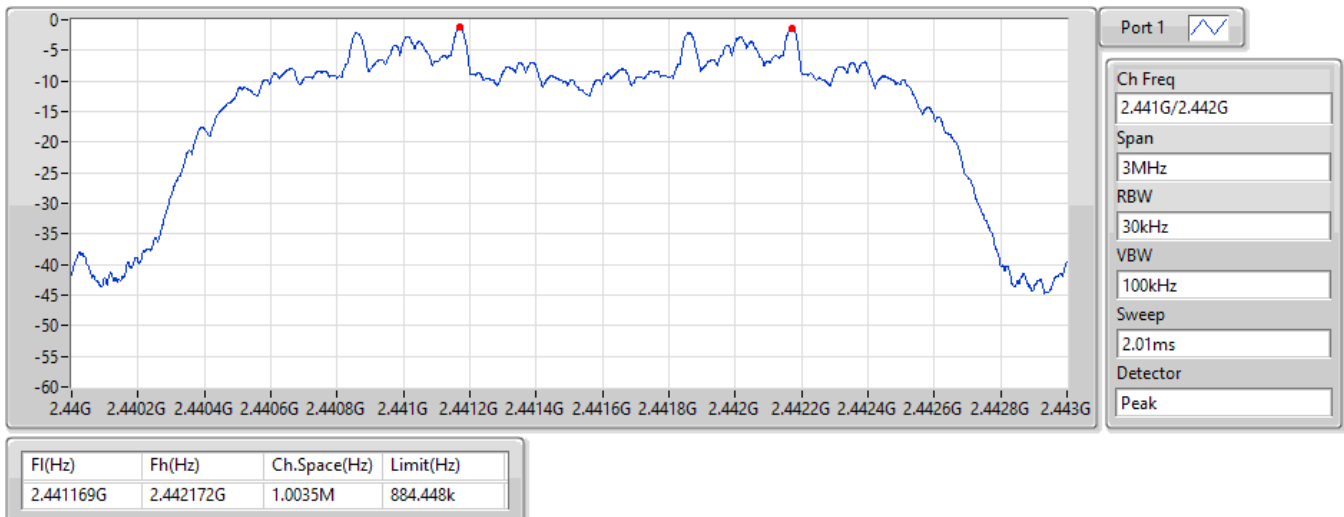
2.402G/2.403GHz



2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.441G/2.442GHz

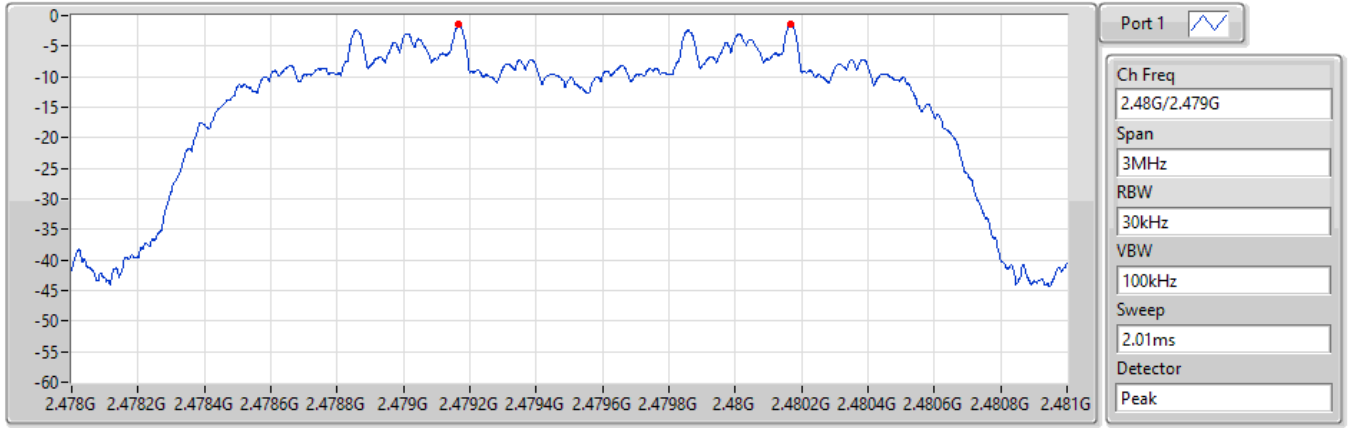




2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.48G/2.479GHz



F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479167G	2.480168G	1.0005M	869.796k



Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0005M	1.0005M
BT-EDR(2Mbps)	1.002M	1.0005M
BT-EDR(3Mbps)	1.002M	1.0005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402014G	2.403015G	1.0005M	683.316k
2441MHz	Pass	2.441011G	2.442012G	1.0005M	685.314k
2480MHz	Pass	2.47901G	2.48001G	1.0005M	688.644k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.40217G	2.403172G	1.002M	903.096k
2441MHz	Pass	2.441169G	2.442169G	1.0005M	901.098k
2480MHz	Pass	2.478995G	2.479997G	1.002M	899.1k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402164G	2.403166G	1.002M	871.794k
2441MHz	Pass	2.441163G	2.442165G	1.002M	869.796k
2480MHz	Pass	2.479161G	2.480162G	1.0005M	869.796k

2.4-2.4835GHz\_BT-BR(1Mbps)

Channel Separation-FS

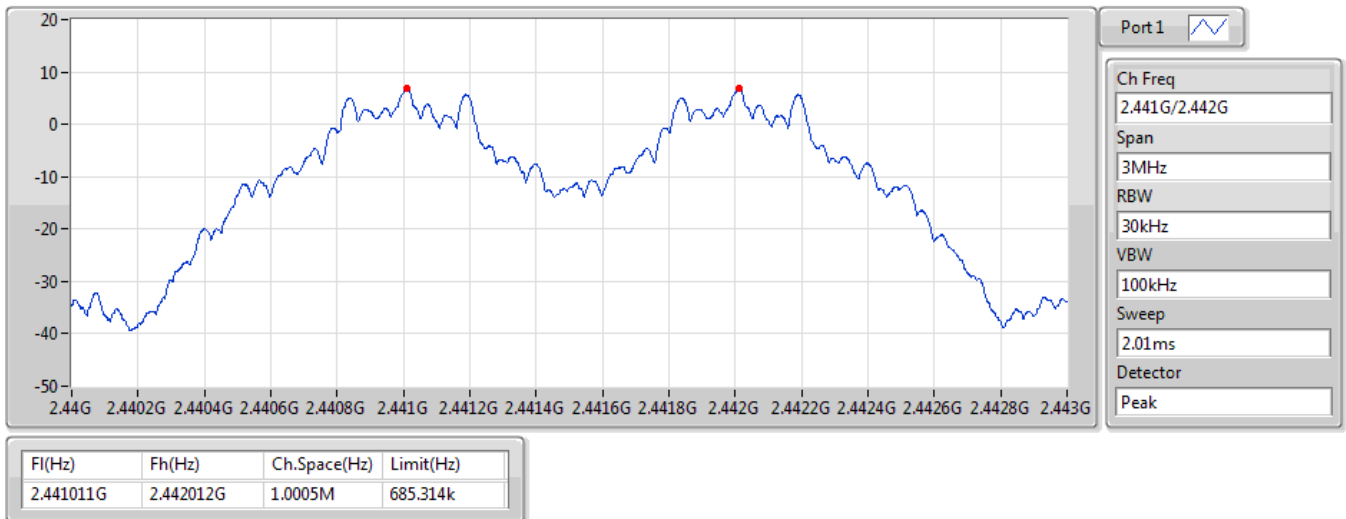
2.402G/2.403GHz



2.4-2.4835GHz\_BT-BR(1Mbps)

Channel Separation-FS

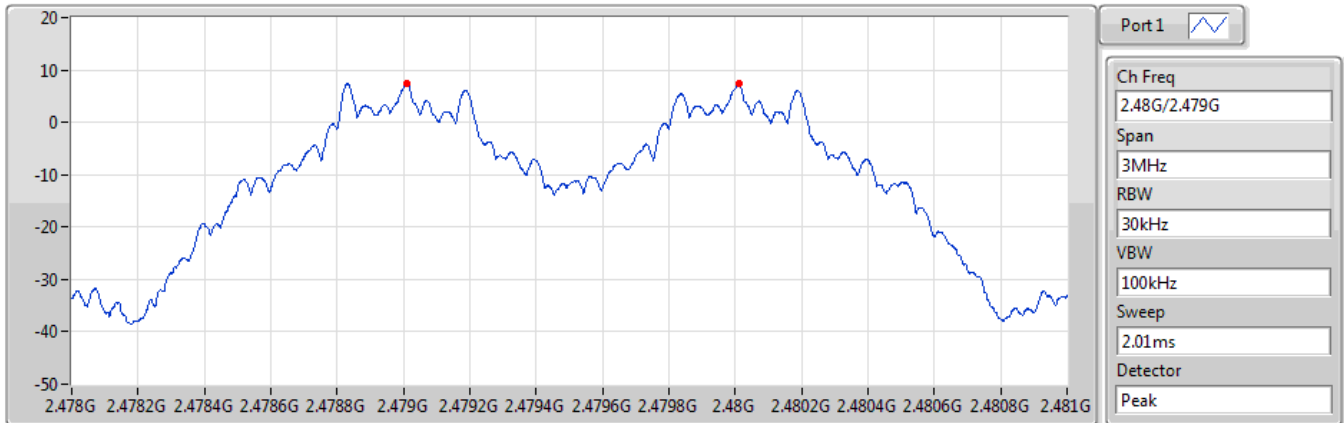
2.441G/2.442GHz



**2.4-2.4835GHz\_BT-BR(1Mbps)**

**Channel Separation-FS**

**2.48G/2.479GHz**

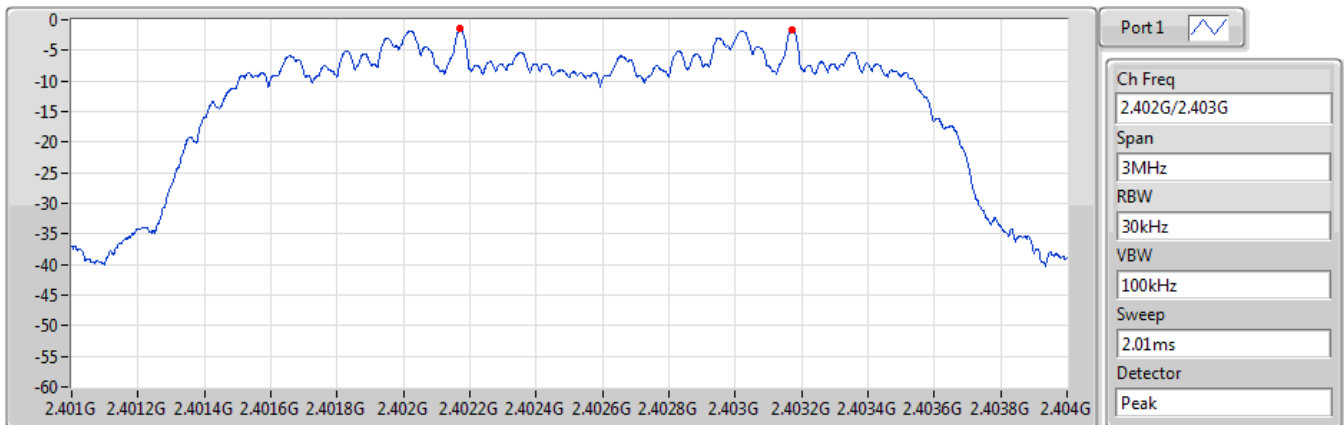


Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.47901G	2.48001G	1.0005M	688.644k

**2.4-2.4835GHz\_BT-EDR(2Mbps)**

**Channel Separation-FS**

**2.402G/2.403GHz**



Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.40217G	2.403172G	1.002M	903.096k

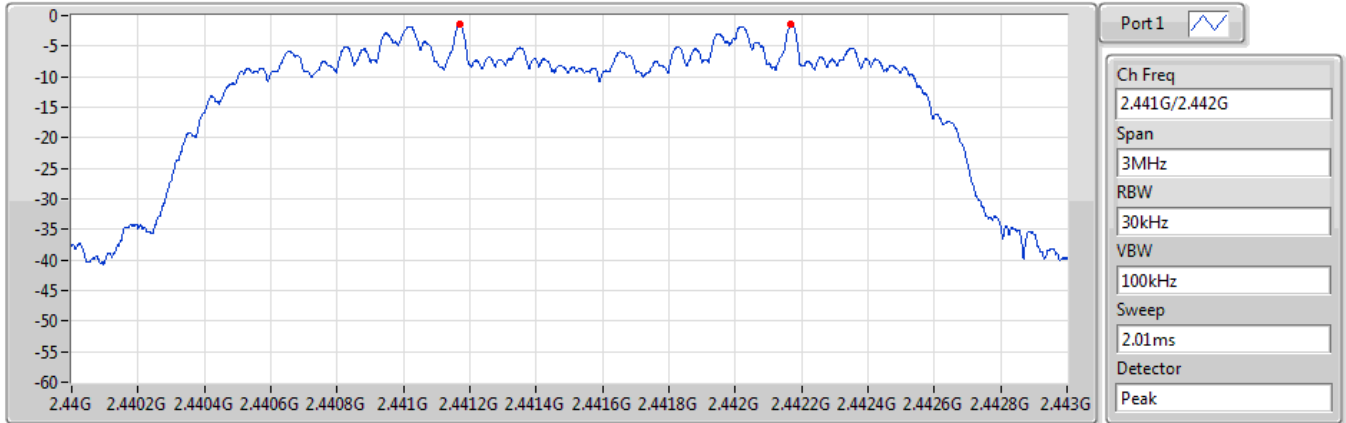




### 2.4-2.4835GHz\_BT-EDR(2Mbps)

### Channel Separation-FS

2.441G/2.442GHz

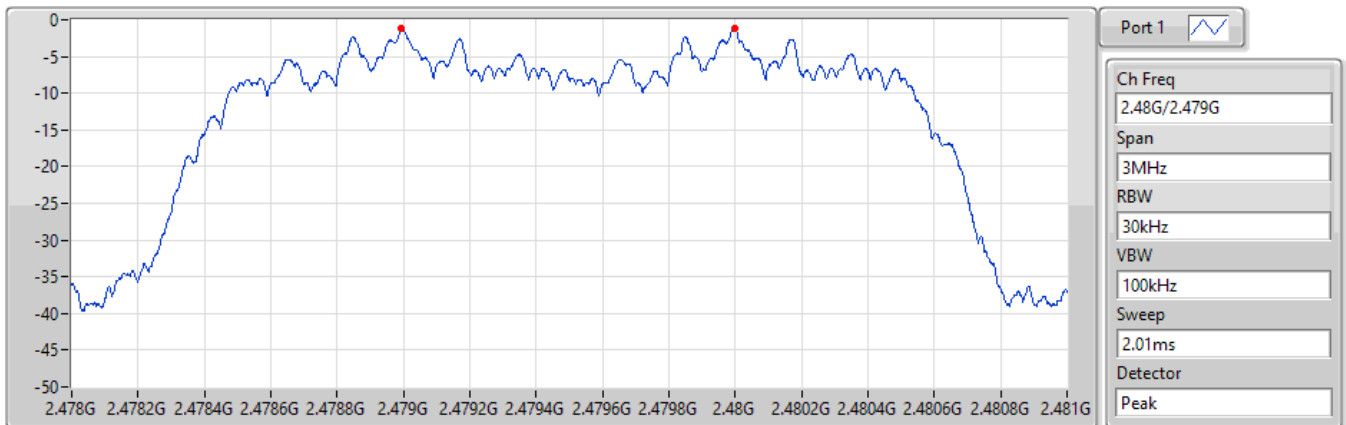


F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.441169G	2.442169G	1.0005M	901.098k

### 2.4-2.4835GHz\_BT-EDR(2Mbps)

### Channel Separation-FS

2.48G/2.479GHz

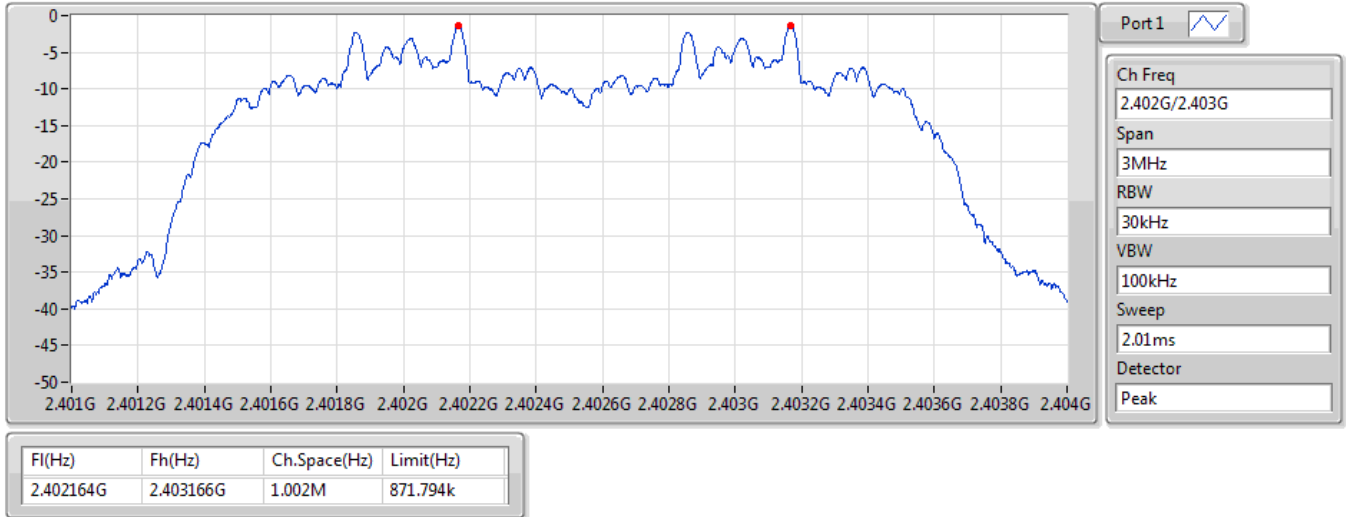


F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478995G	2.479997G	1.002M	899.1k

2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

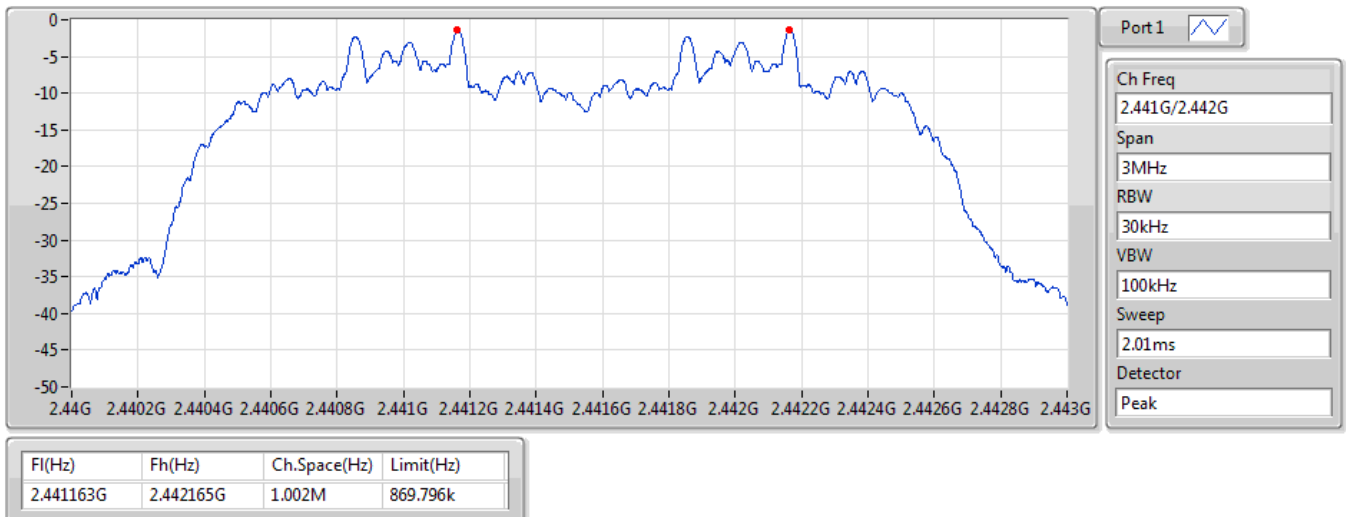
2.402G/2.403GHz



2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.441G/2.442GHz





2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.48G/2.479GHz



F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479161G	2.480162G	1.0005M	869.796k



**Summary**

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	317.10916m_DH5
BT-BR-AFH(1Mbps)	295.175m_DH5-AFH
BT-EDR(2Mbps)	310.87764m_DH5
BT-EDR-AFH(2Mbps)	312.471m_DH5-AFH
BT-EDR(3Mbps)	311.14624m_DH5
BT-EDR-AFH(3Mbps)	301.158m_DH5-AFH



**Result/ Non AFH mode**

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (ms)	Number of transmission in a 5 s
BT-BR(1Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	31.6	0.31711	0.4	2.95150	17
BT-EDR(2Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	31.6	0.31088	0.4	2.89350	17
BT-EDR(3Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	31.6	0.31115	0.4	2.89600	17

Note 1: Dwell time =Number of transmission in a 5 second x Tx On Time x 6.32

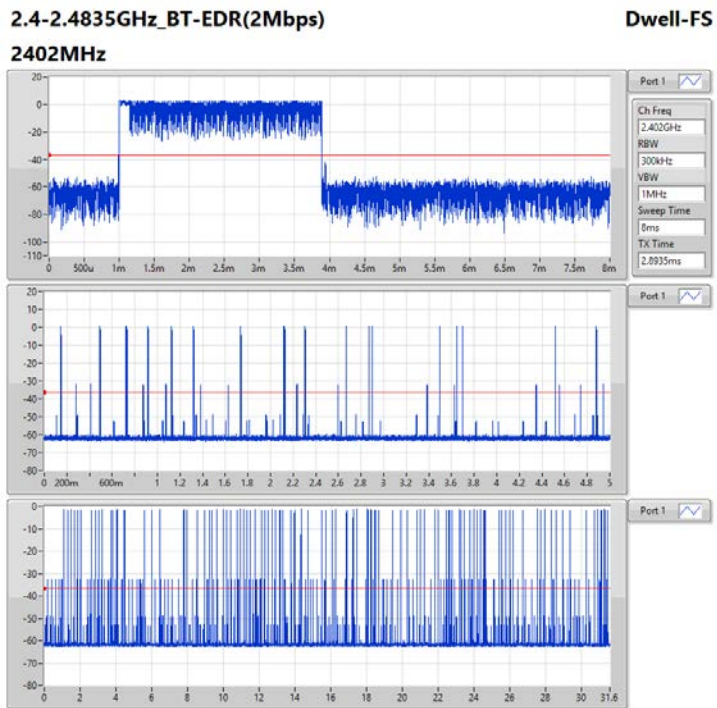
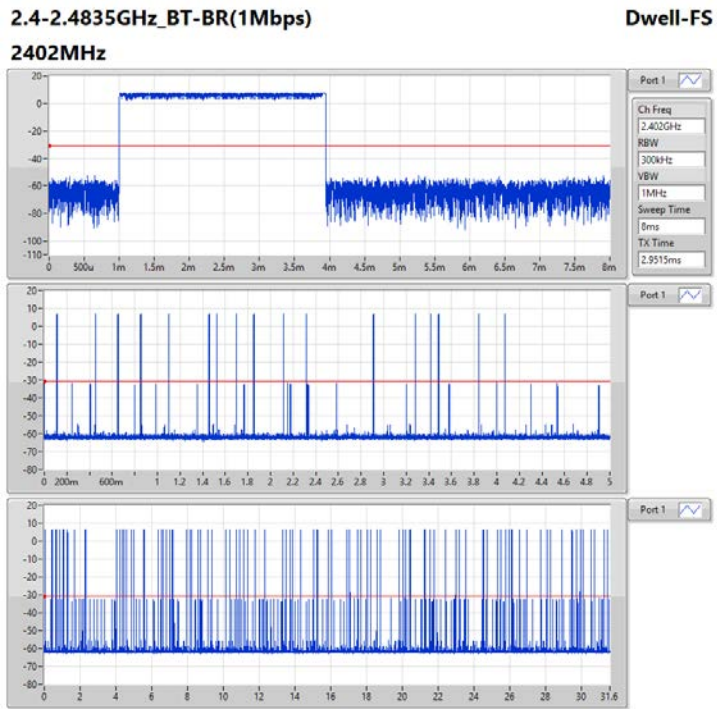
Note 2: DH5 was the worst mode.

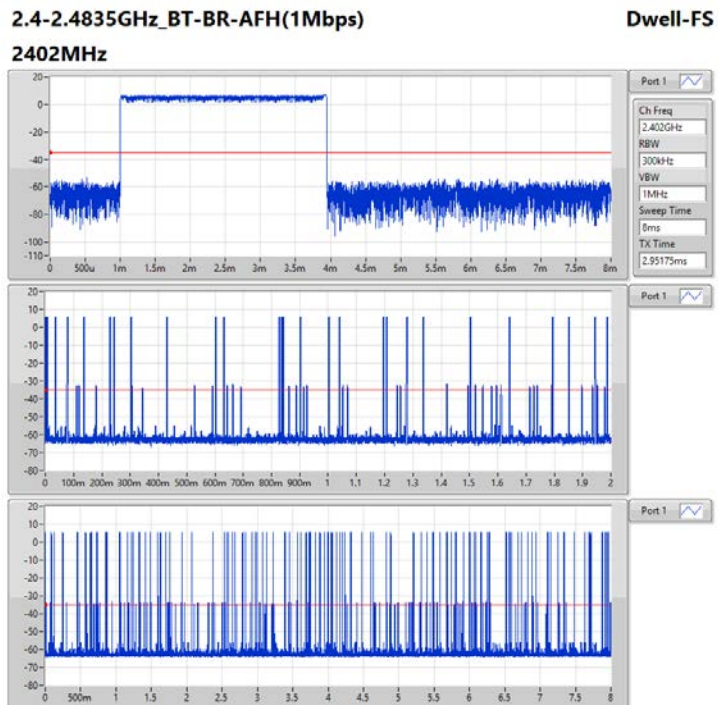
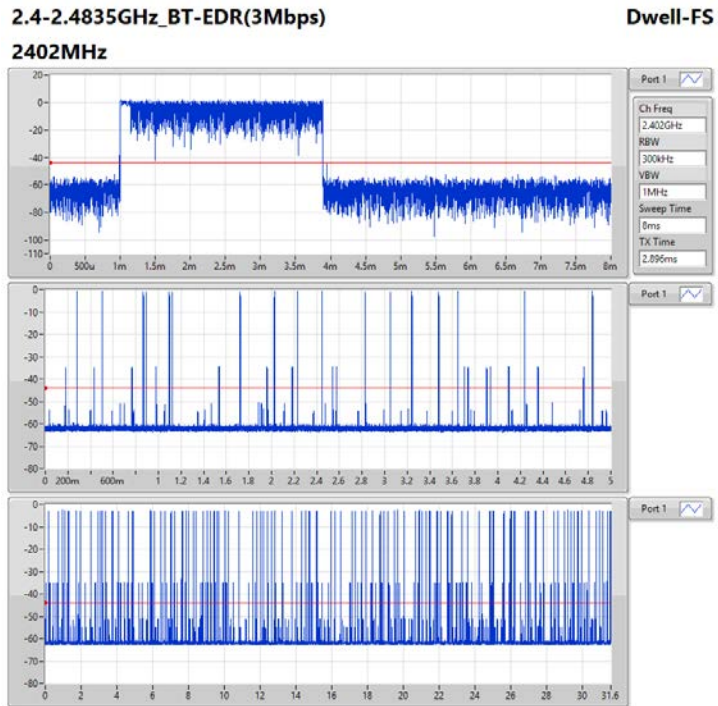
**Result/ AFH mode**

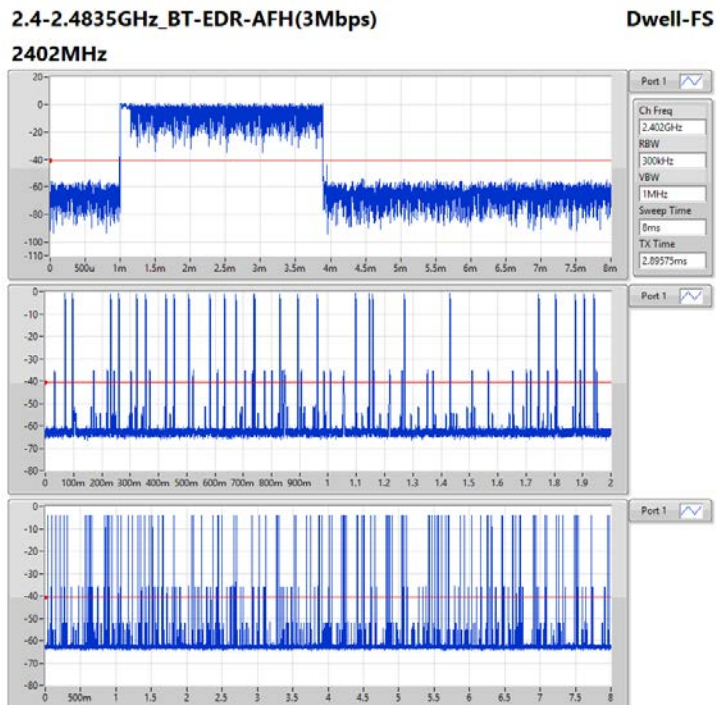
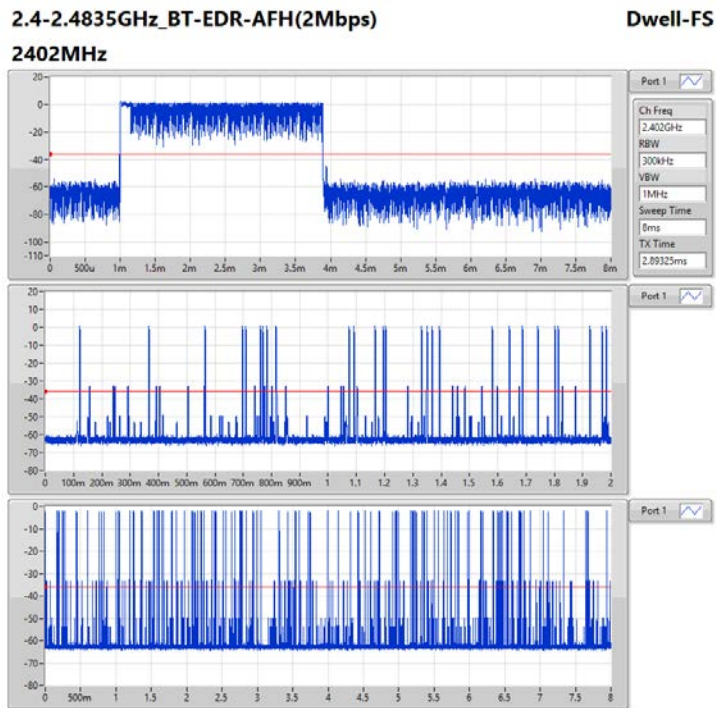
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (ms)	Number of transmission in a 2 s
BT-BR-AFH(1Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	8	0.29518	0.4	2.95175	25
BT-EDR-AFH(2Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	8	0.31247	0.4	2.89325	27
BT-EDR-AFH(3Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	8	0.30116	0.4	2.89575	26

Note 1: Dwell time =Number of transmission in a 2 second x Tx On Time x 4

Note 2: DH5 was the worst mode.











**Summary**

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	335.7342m_DH5
BT-BR-AFH(1Mbps)	295.1m_DH5-AFH
BT-EDR(2Mbps)	310.85078m_DH5
BT-EDR-AFH(2Mbps)	289.325m_DH5-AFH
BT-EDR(3Mbps)	311.11938m_DH5
BT-EDR-AFH(3Mbps)	289.55m_DH5-AFH



Result/ Non AFH mode

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (ms)	Number of transmission in a 5 s
BT-BR(1Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	31.6	0.33573	0.4	2.95125	18
BT-EDR(2Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	31.6	0.31085	0.4	2.89325	17
BT-EDR(3Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	31.6	0.31112	0.4	2.89575	17

Note 1: Dwell time =Number of transmission in a 5 second x Tx On Time x 6.32

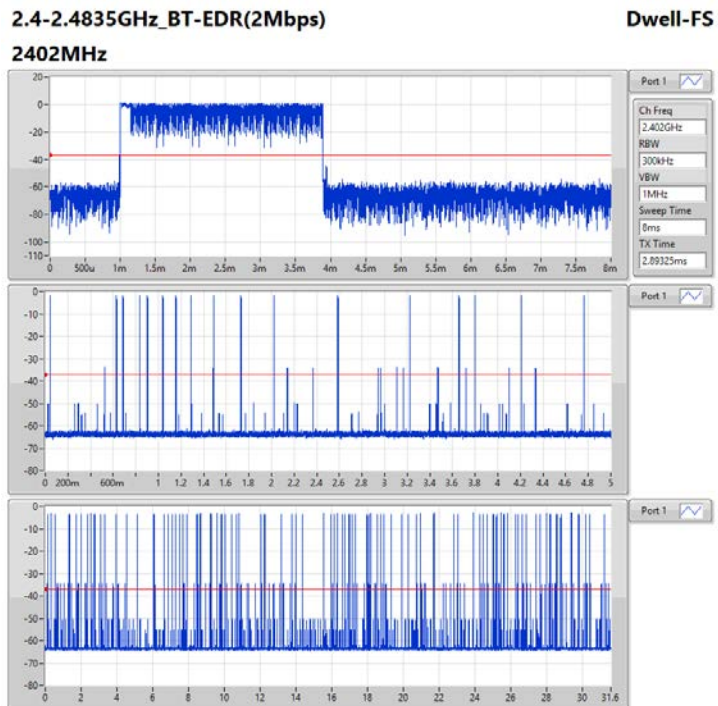
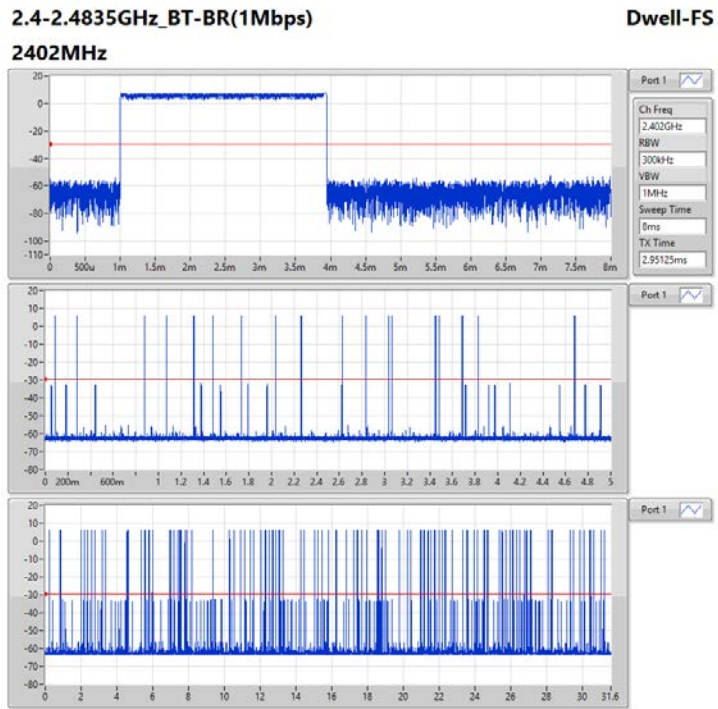
Note 2: DH5 was the worst mode.

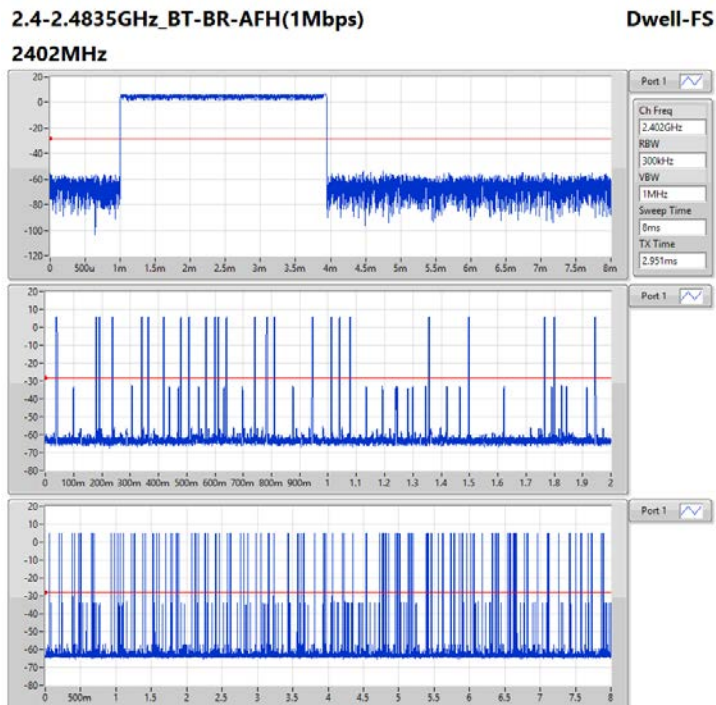
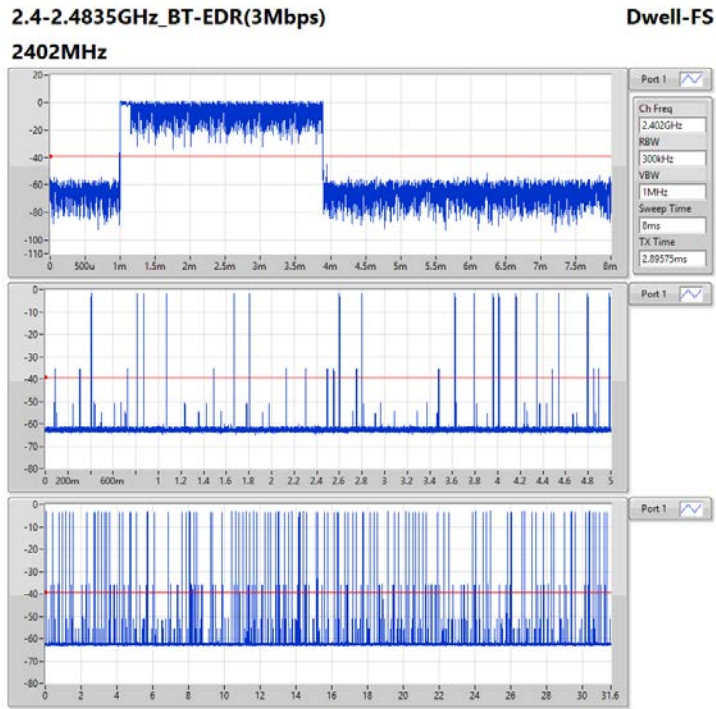
Result/ AFH mode

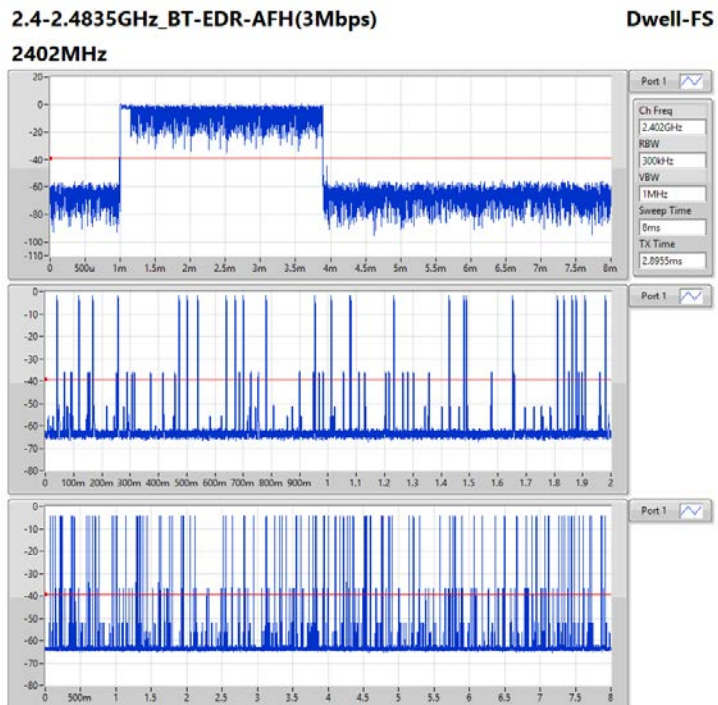
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (ms)	Number of transmission in a 2 s
BT-BR-AFH(1Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	8	0.29510	0.4	2.95100	25
BT-EDR-AFH(2Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	8	0.28933	0.4	2.89325	25
BT-EDR-AFH(3Mbps)	-	-	-	-	-	-
2402MHz_DH5	PASS	8	0.28955	0.4	2.89550	25

Note 1: Dwell time =Number of transmission in a 2 second x Tx On Time x 4

Note 2: DH5 was the worst mode.





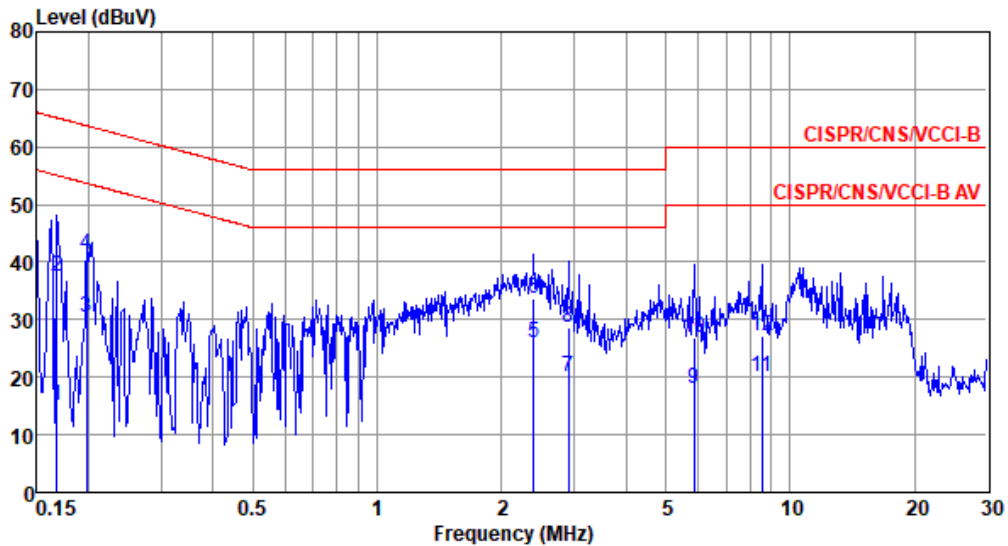




SC Module

Modulation	GFSK	Test Freq. (MHz)	2480
Power Phase	Line		

Test by : Wish Yu      Temperature: 23°C      Humidity: 63%



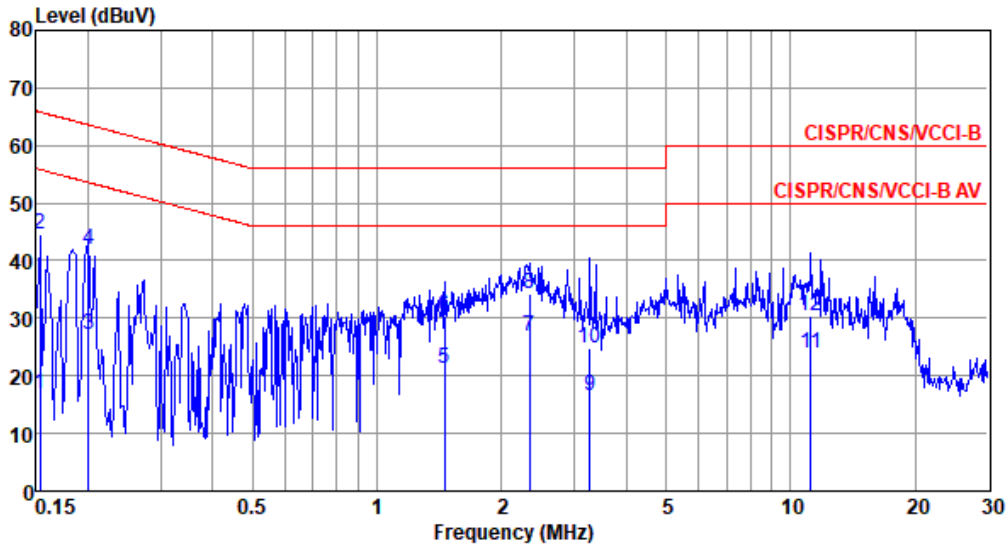
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.168	15.13	55.08	-39.95	5.44	9.63	0.06	0.00	Average
2	0.168	37.51	65.08	-27.57	27.82	9.63	0.06	0.00	QP
3	0.198	30.50	53.71	-23.21	20.82	9.62	0.06	0.00	Average
4	0.198	41.31	63.71	-22.40	31.63	9.62	0.06	0.00	QP
5*	2.396	26.02	46.00	-19.98	16.24	9.64	0.14	0.00	Average
6	2.396	33.79	56.00	-22.21	24.01	9.64	0.14	0.00	QP
7	2.900	19.93	46.00	-26.07	10.13	9.64	0.16	0.00	Average
8	2.900	28.59	56.00	-27.41	18.79	9.64	0.16	0.00	QP
9	5.867	17.89	50.00	-32.11	7.96	9.67	0.26	0.00	Average
10	5.867	26.82	60.00	-33.18	16.89	9.67	0.26	0.00	QP
11	8.546	20.15	50.00	-29.85	10.14	9.68	0.33	0.00	Average
12	8.546	27.14	60.00	-32.86	17.13	9.68	0.33	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 Note 2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).



Modulation	GFSK	Test Freq. (MHz)	2480
Power Phase	Neutral		

Test by : Wish Yu      Temperature: 23°C      Humidity: 63%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.153	16.82	55.82	-39.00	7.13	9.63	0.06	0.00	Average
2	0.153	44.48	65.82	-21.34	34.79	9.63	0.06	0.00	QP
3	0.201	27.14	53.58	-26.44	17.45	9.63	0.06	0.00	Average
4	0.201	41.79	63.58	-21.79	32.10	9.63	0.06	0.00	QP
5	1.456	21.23	46.00	-24.77	11.47	9.64	0.12	0.00	Average
6	1.456	30.28	56.00	-25.72	20.52	9.64	0.12	0.00	QP
7*	2.334	26.79	46.00	-19.21	17.01	9.64	0.14	0.00	Average
8	2.334	34.30	56.00	-21.70	24.52	9.64	0.14	0.00	QP
9	3.276	16.41	46.00	-29.59	6.59	9.65	0.17	0.00	Average
10	3.276	24.69	56.00	-31.31	14.87	9.65	0.17	0.00	QP
11	11.198	23.81	50.00	-26.19	13.71	9.72	0.38	0.00	Average
12	11.198	30.50	60.00	-29.50	20.40	9.72	0.38	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

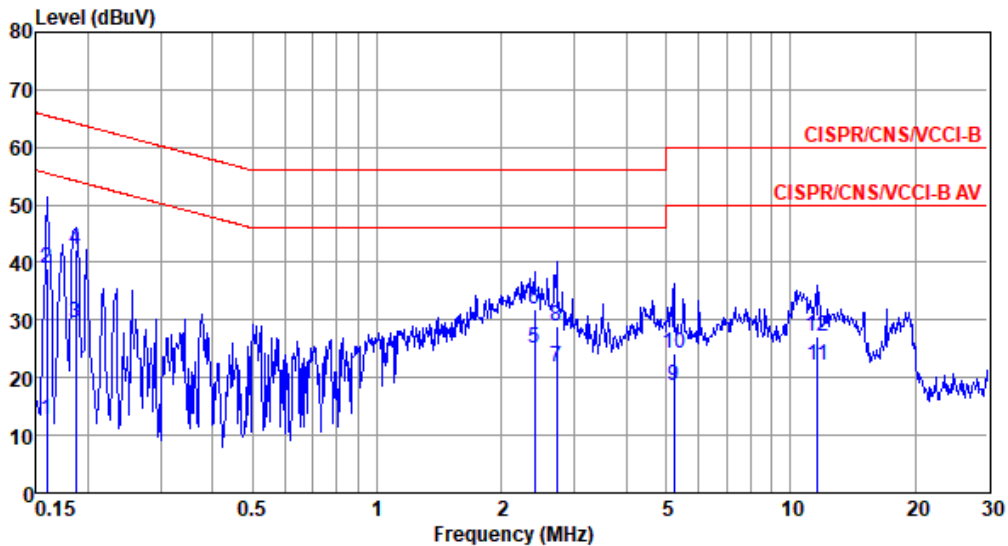




SA Module

Modulation	GFSK	Test Freq. (MHz)	2480
Power Phase	Line		

Test by : Wish Yu      Temperature: 23°C      Humidity: 63%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.159	12.72	55.52	-42.80	3.03	9.63	0.06	0.00	Average
2	0.159	38.94	65.52	-26.58	29.25	9.63	0.06	0.00	QP
3	0.186	29.58	54.20	-24.62	19.90	9.62	0.06	0.00	Average
4	0.186	42.15	64.20	-22.05	32.47	9.62	0.06	0.00	QP
5*	2.409	25.16	46.00	-20.84	15.38	9.64	0.14	0.00	Average
6	2.409	32.03	56.00	-23.97	22.25	9.64	0.14	0.00	QP
7	2.721	21.99	46.00	-24.01	12.20	9.64	0.15	0.00	Average
8	2.721	28.81	56.00	-27.19	19.02	9.64	0.15	0.00	QP
9	5.221	18.62	50.00	-31.38	8.73	9.66	0.23	0.00	Average
10	5.221	24.24	60.00	-35.76	14.35	9.66	0.23	0.00	QP
11	11.621	22.28	50.00	-27.72	12.20	9.69	0.39	0.00	Average
12	11.621	27.24	60.00	-32.76	17.16	9.69	0.39	0.00	QP

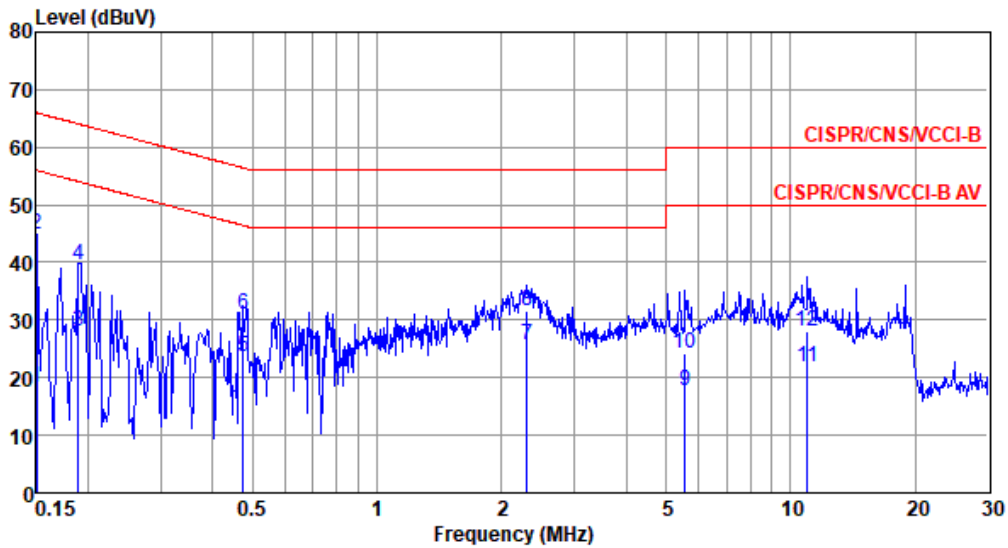
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 Note 2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).





Modulation	GFSK	Test Freq. (MHz)	2480
Power Phase	Neutral		

Test by : Wish Yu      Temperature: 23°C      Humidity: 63%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.150	18.21	56.00	-37.79	8.52	9.63	0.06	0.00	Average
2	0.150	44.92	66.00	-21.08	35.23	9.63	0.06	0.00	QP
3	0.189	28.03	54.06	-26.03	18.34	9.63	0.06	0.00	Average
4	0.189	39.59	64.06	-24.47	29.90	9.63	0.06	0.00	QP
5	0.474	23.58	46.45	-22.87	13.89	9.62	0.07	0.00	Average
6	0.474	30.91	56.45	-25.54	21.22	9.62	0.07	0.00	QP
7*	2.309	25.82	46.00	-20.18	16.04	9.64	0.14	0.00	Average
8	2.309	31.62	56.00	-24.38	21.84	9.64	0.14	0.00	QP
9	5.564	17.85	50.00	-32.15	7.94	9.67	0.24	0.00	Average
10	5.564	24.28	60.00	-35.72	14.37	9.67	0.24	0.00	QP
11	10.963	21.97	50.00	-28.03	11.87	9.72	0.38	0.00	Average
12	10.963	27.92	60.00	-32.08	17.82	9.72	0.38	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).