

## Appendix A

### RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Smart Watch

Trade Mark: TECNO

Test Model: TSP-W01

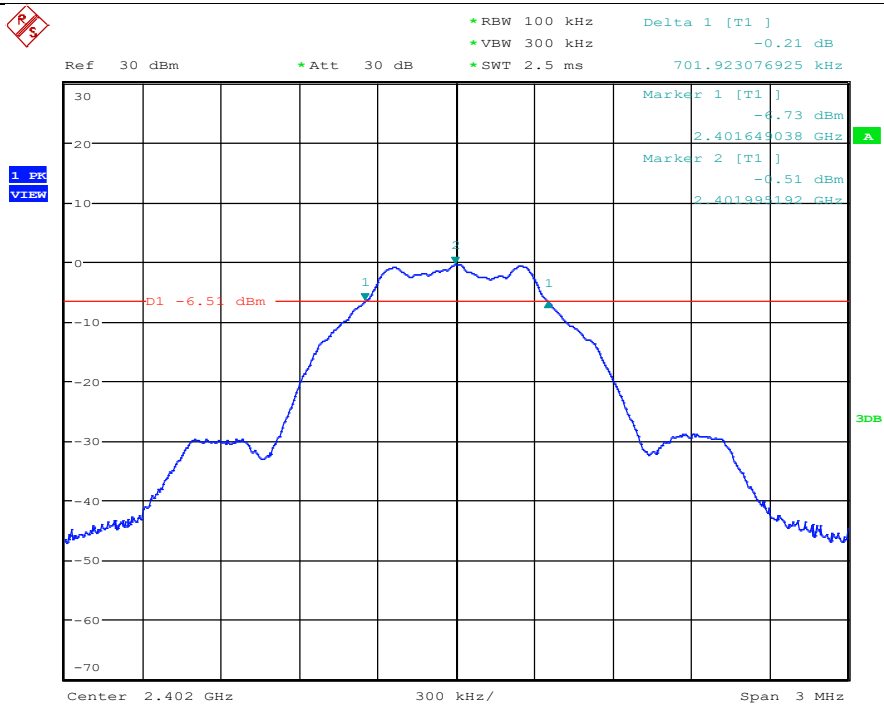
FCC ID: 2ADYY-TSP-W01

### Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

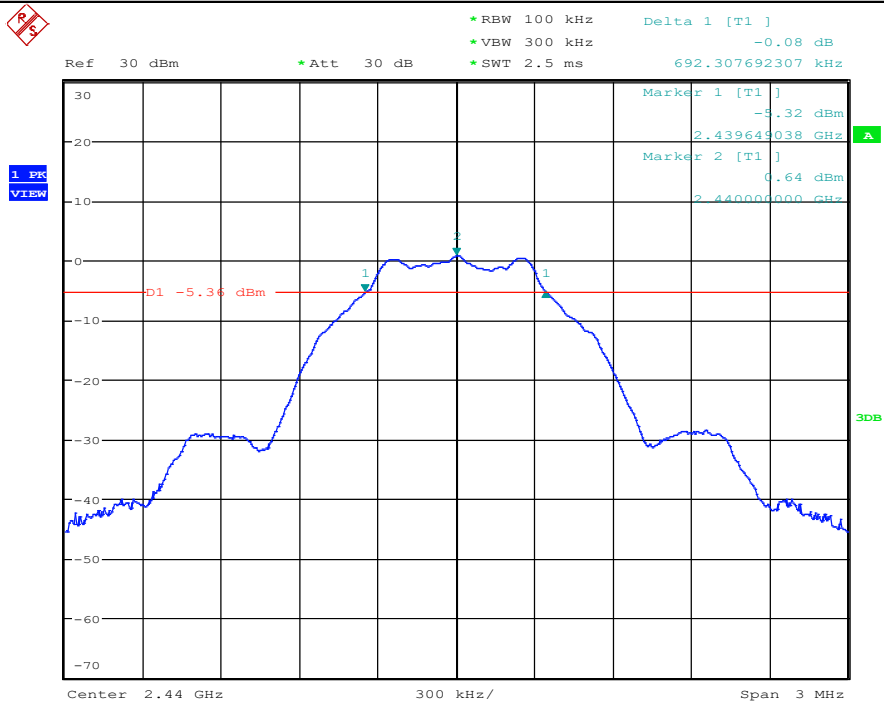
#### A.1. 6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE(1Mbps)	2402	Ant1	0.702	0.5	PASS
BLE(1Mbps)	2440	Ant1	0.692	0.5	PASS
BLE(1Mbps)	2480	Ant1	0.697	0.5	PASS



Date: 23.SEP.2020 09:32:06

BLE\_BT4.0\_Ant1\_2402



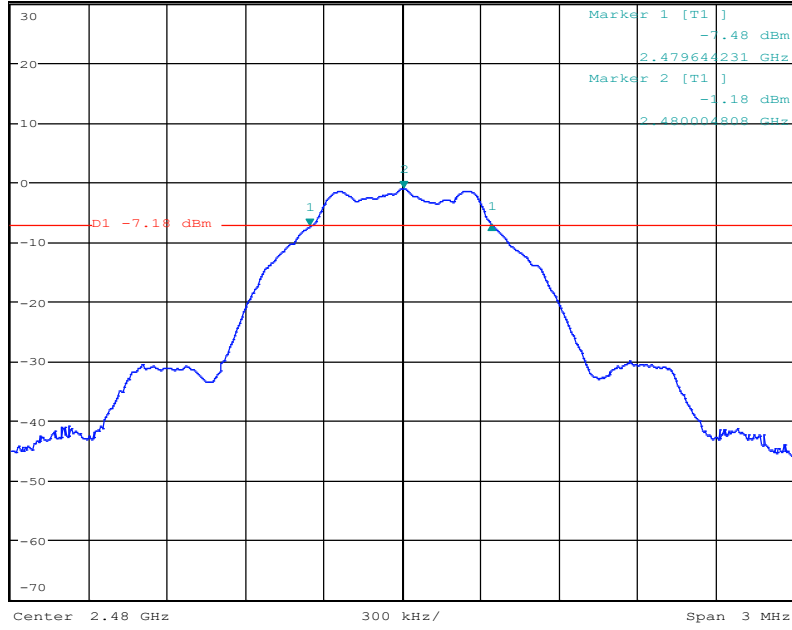
Date: 23.SEP.2020 09:30:25

BLE\_BT4.0\_Ant1\_2440



Ref 30 dBm      \*Att 30 dB      \*RBW 100 kHz      Delta 1 [T1 ]      0.20 dB  
\*VBW 300 kHz      \*SWT 2.5 ms      697.115384614 kHz

1 PR  
VIEW



Date: 23.SEP.2020 09:33:27

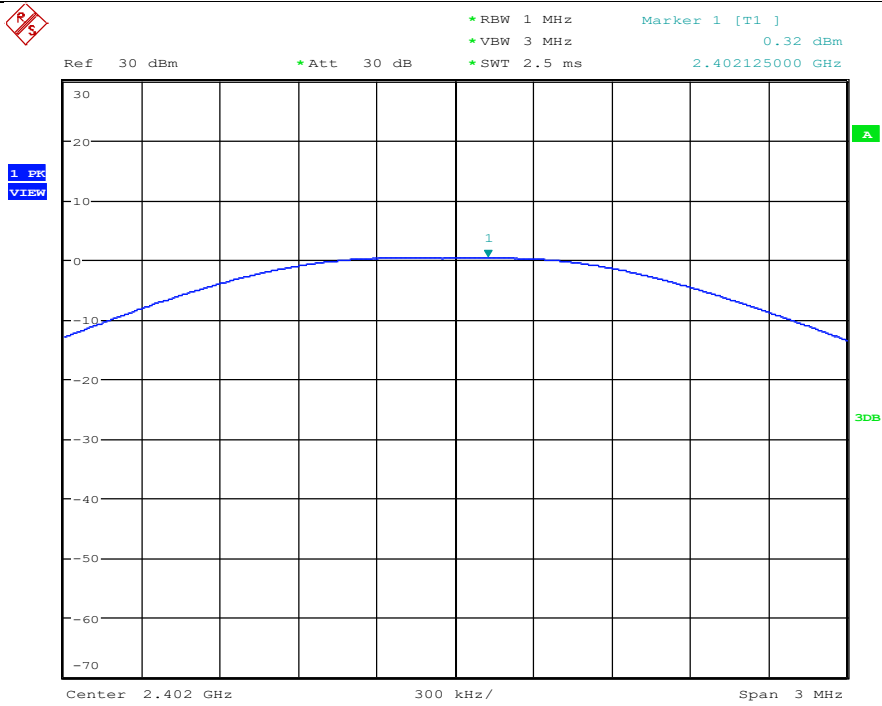
BLE\_BT4.0\_Ant1\_2480

**A.2. Occupied Bandwidth**

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
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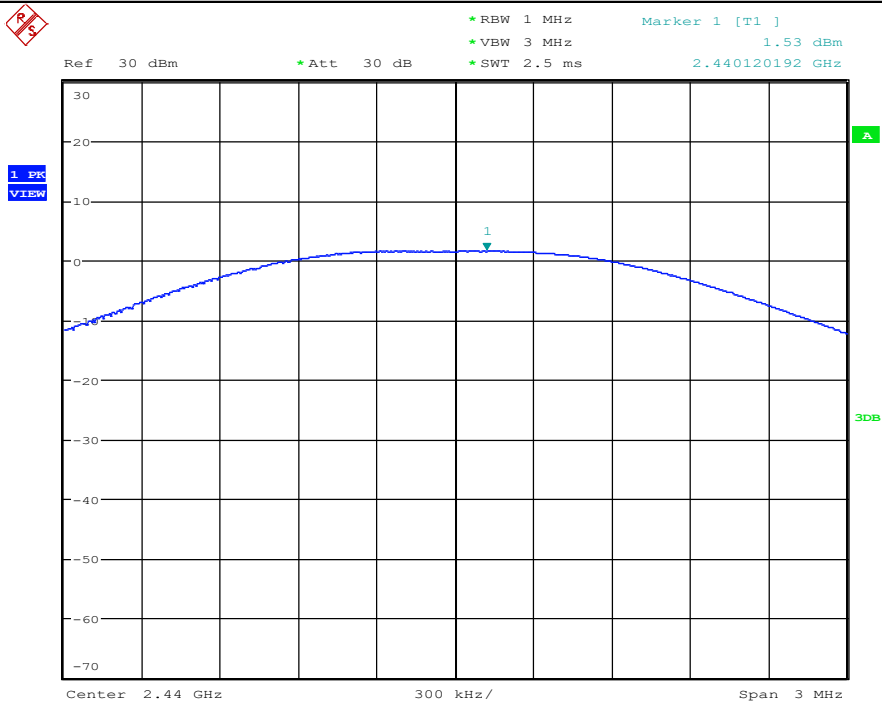
**A.3. Maximum peak conducted output power**

Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE(1Mbps)	2402	Ant1	0.32	30	PASS
BLE(1Mbps)	2440	Ant1	1.53	30	PASS
BLE(1Mbps)	2480	Ant1	-0.46	30	PASS



Date: 23.SEP.2020 09:36:02

BLE\_BT4.0\_Ant1\_2402



Date: 23.SEP.2020 09:37:25

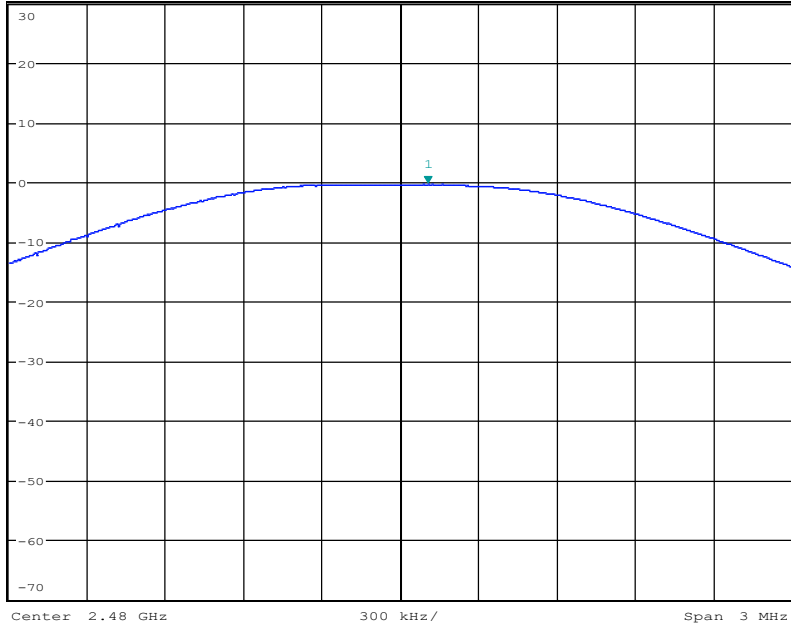
BLE\_BT4.0\_Ant1\_2440



\* RBW 1 MHz  
\* VBW 3 MHz  
\* SWT 2.5 ms  
Marker 1 [T1]  
-0.46 dBm  
2.480105769 GHz

Ref 30 dBm  
\* Att 30 dB

1 PR  
VIEW

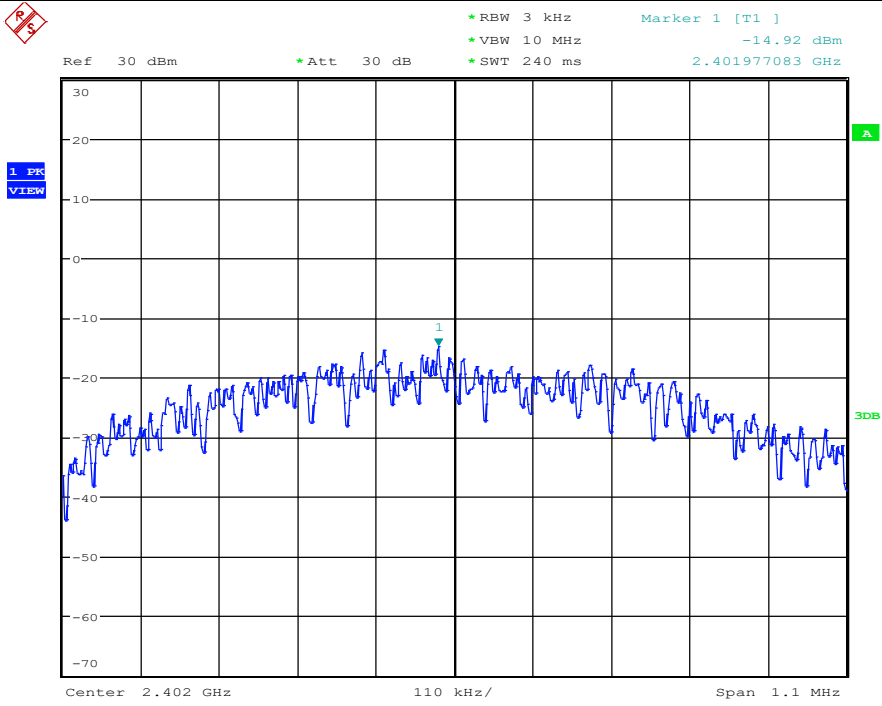


Date: 23.SEP.2020 09:34:17

BLE\_BT4.0\_Ant1\_2480

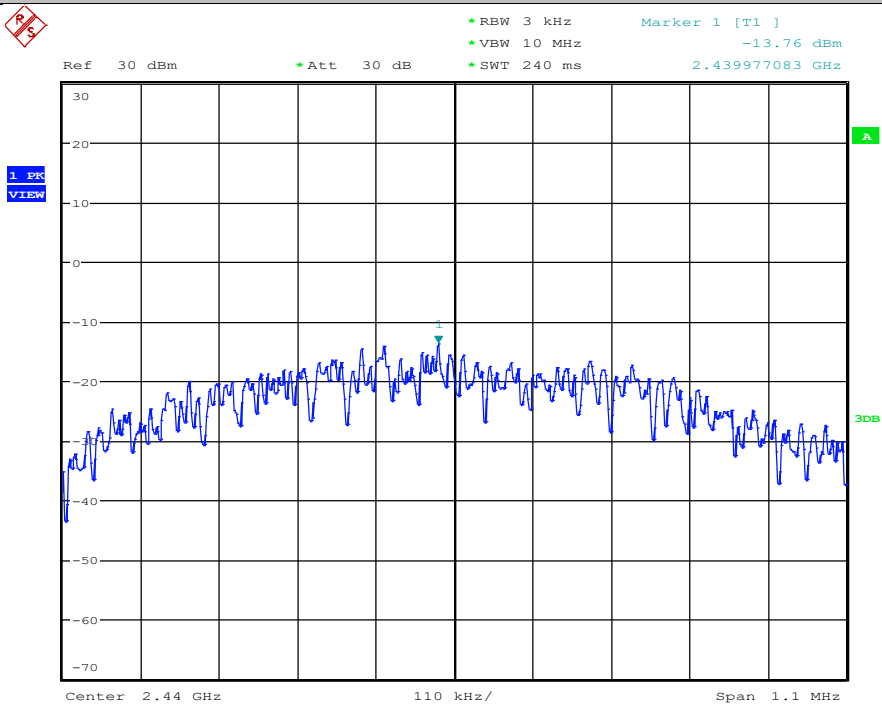
**A.4. Maximum Peak power spectral density**

Test Mode	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE(1Mbps)	2402	Ant1	-14.92	8.00	PASS
BLE(1Mbps)	2440	Ant1	-13.76	8.00	PASS
BLE(1Mbps)	2480	Ant1	-15.60	8.00	PASS



Date: 23.SEP.2020 09:51:14

BLE\_BT4.0\_Ant1\_2402



Date: 23.SEP.2020 09:51:44

BLE\_BT4.0\_Ant1\_2440

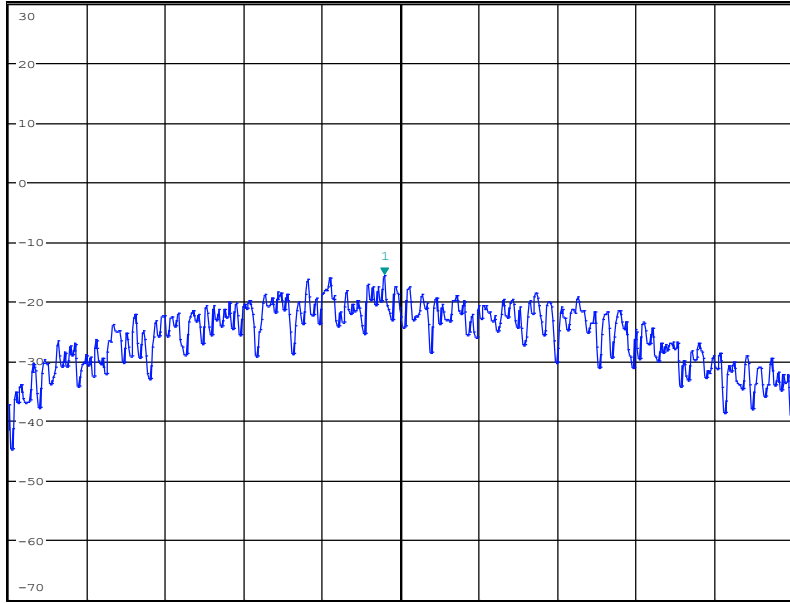




\* RBW 3 kHz  
\* VBW 10 MHz  
\* SWT 240 ms  
Marker 1 [T1]  
-15.60 dBm  
2.479977083 GHz

Ref 30 dBm  
\* Att 30 dB

1 PR  
VIEW



Center 2.48 GHz      110 kHz/      Span 1.1 MHz

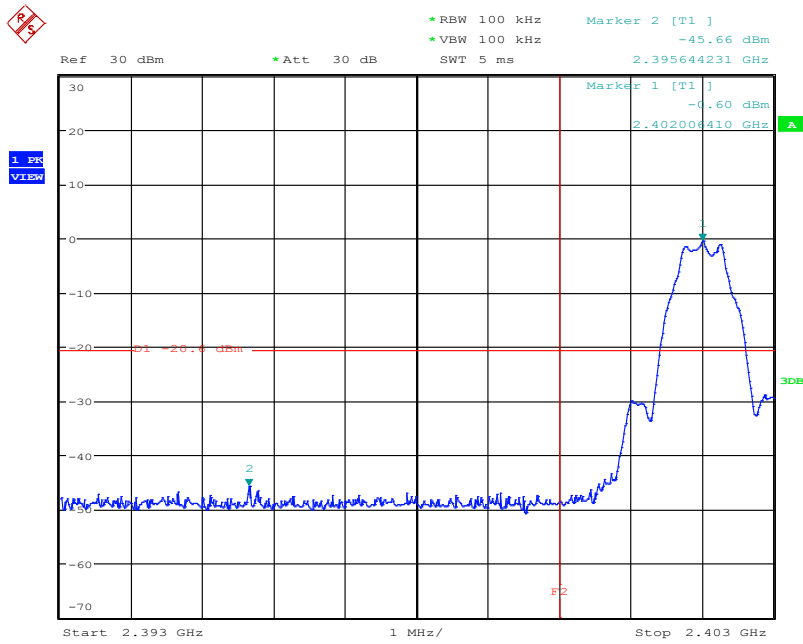
Date: 23.SEP.2020 09:52:18

BLE\_BT4.0\_Ant1\_2480

### A.5. Conducted Spurious Emissions and Band Edges Test

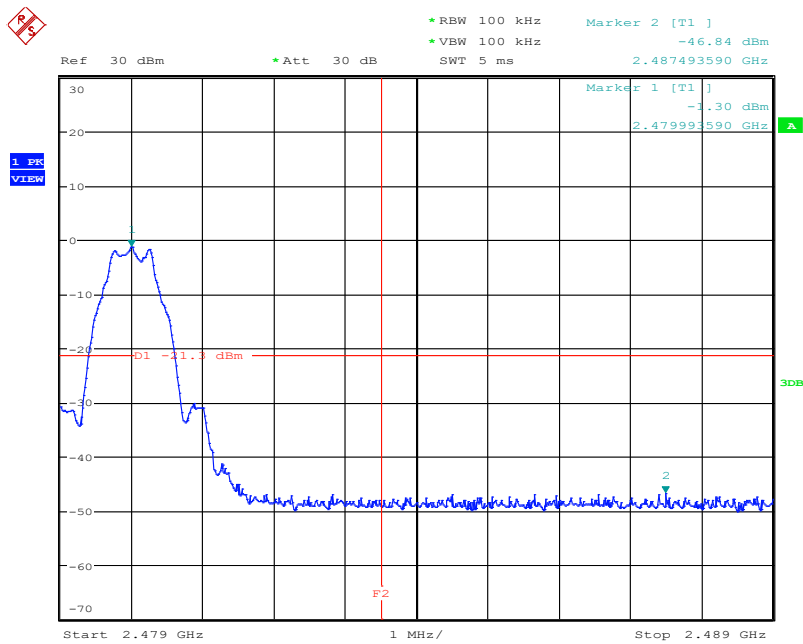
#### Band Edges Measurement:

##### Low channel



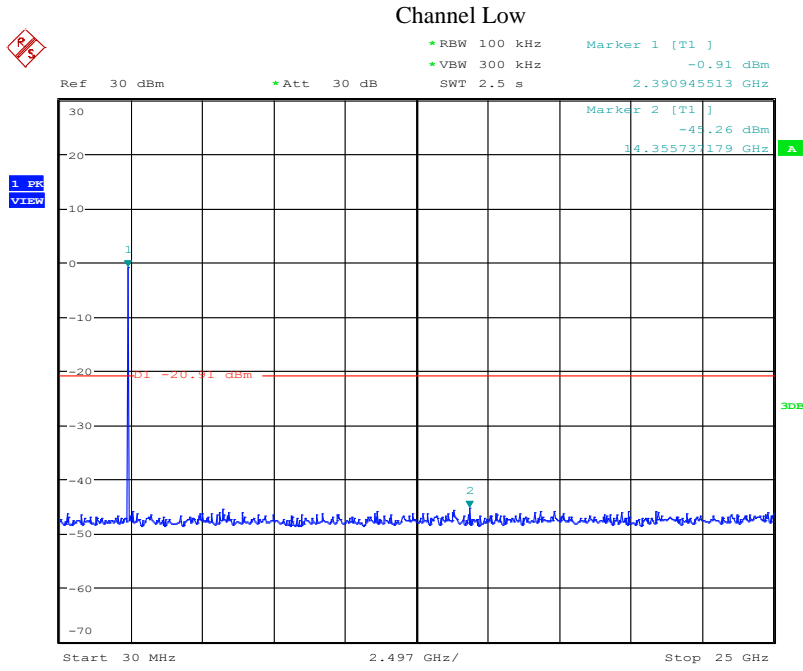
Date: 23.SEP.2020 09:40:30

##### High channel

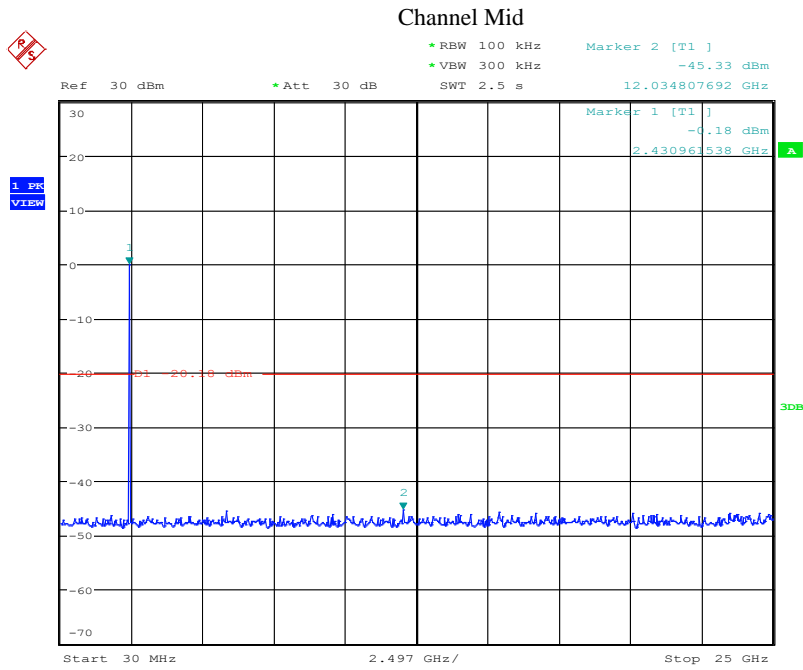


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### Conducted spurious emissions

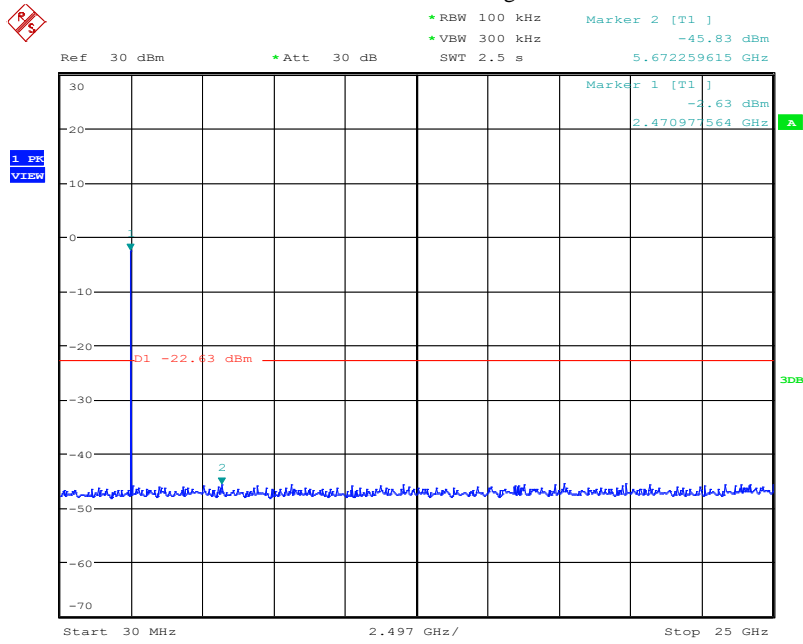


Date: 23.SEP.2020 09:45:13



Date: 23.SEP.2020 09:46:44

### Channel High



Date: 23.SEP.2020 09:49:19

### A.6. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE(1Mbps)	2440	Ant1	35.47	PASS

