

Appendix A

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

Product Name: Wireless Earphone

Trade Mark: TECNO

Test Model: A3

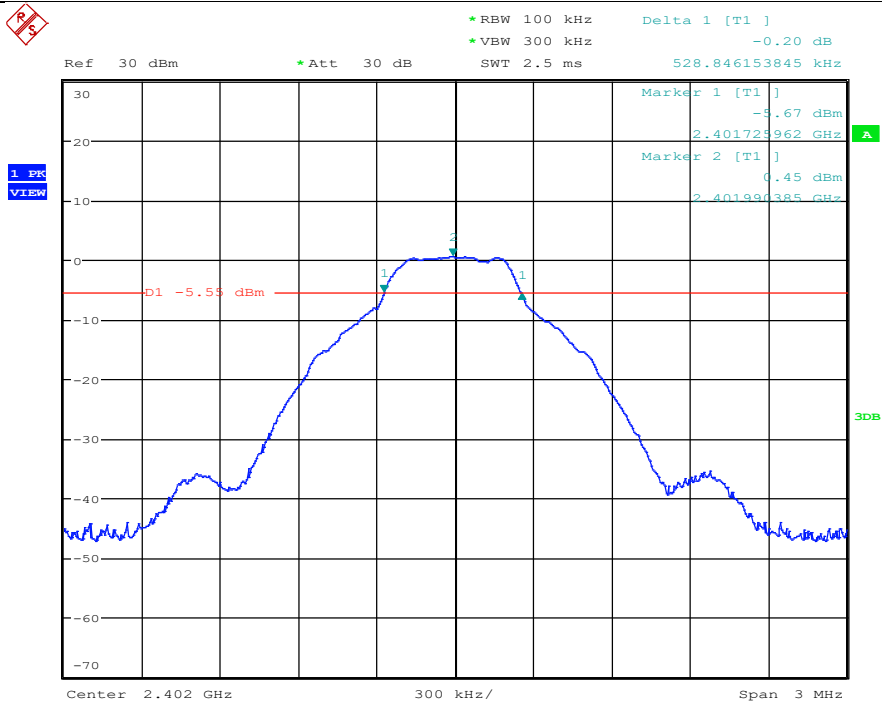
FCC ID: 2ADYY-A3

Environmental Conditions

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

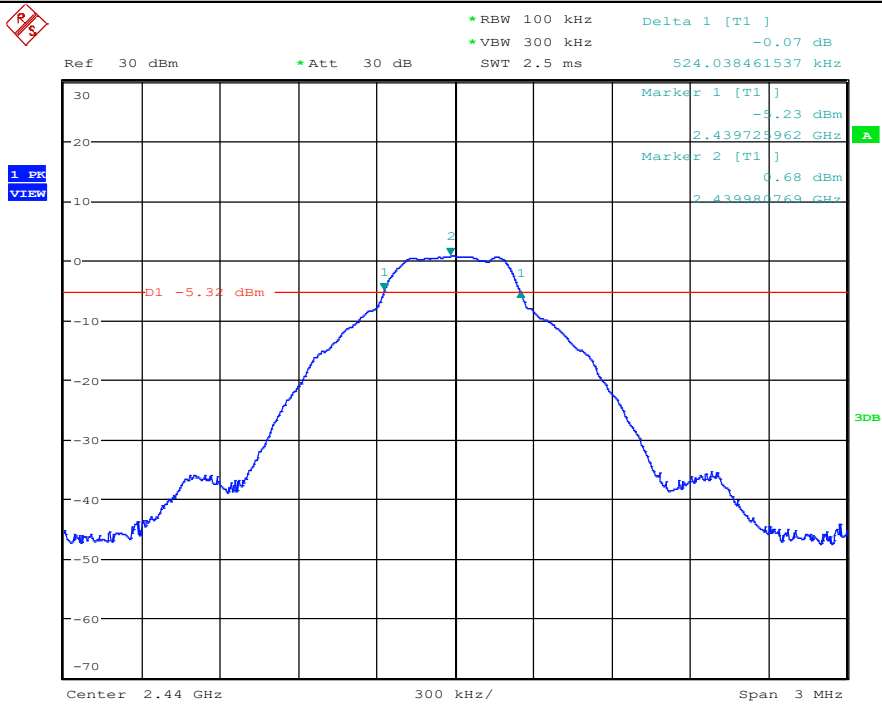
A.1. 6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE(1Mbps)	2402	Ant1	0.529	0.5	PASS
BLE(1Mbps)	2440	Ant1	0.524	0.5	PASS
BLE(1Mbps)	2480	Ant1	0.524	0.5	PASS



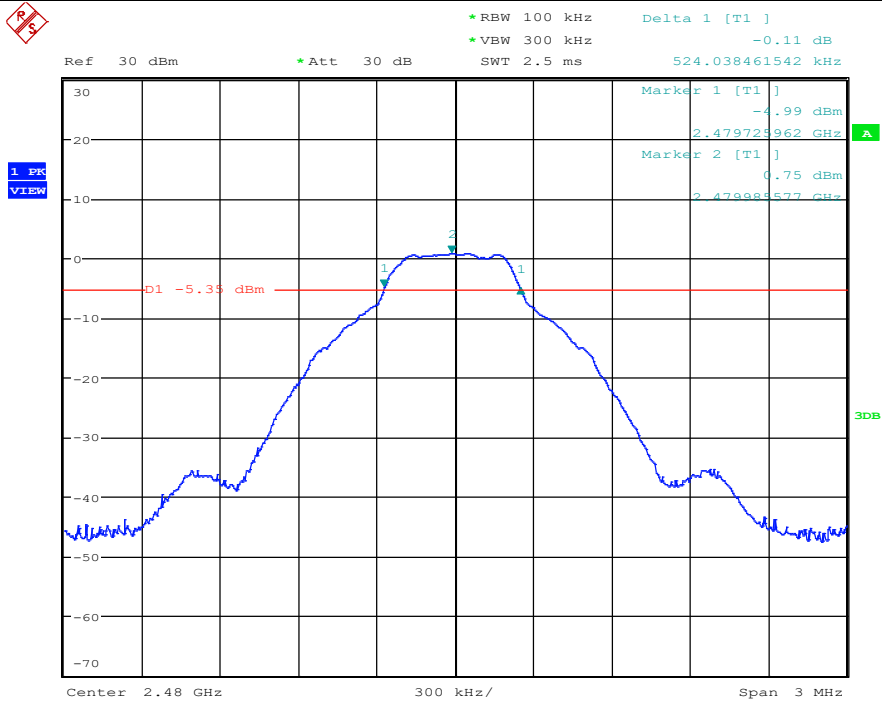
Date: 22.SEP.2020 16:06:54

BLE_BT4.0_Ant1_2402



Date: 22.SEP.2020 16:09:11

BLE_BT4.0_Ant1_2440



Date: 22.SEP.2020 16:11:35

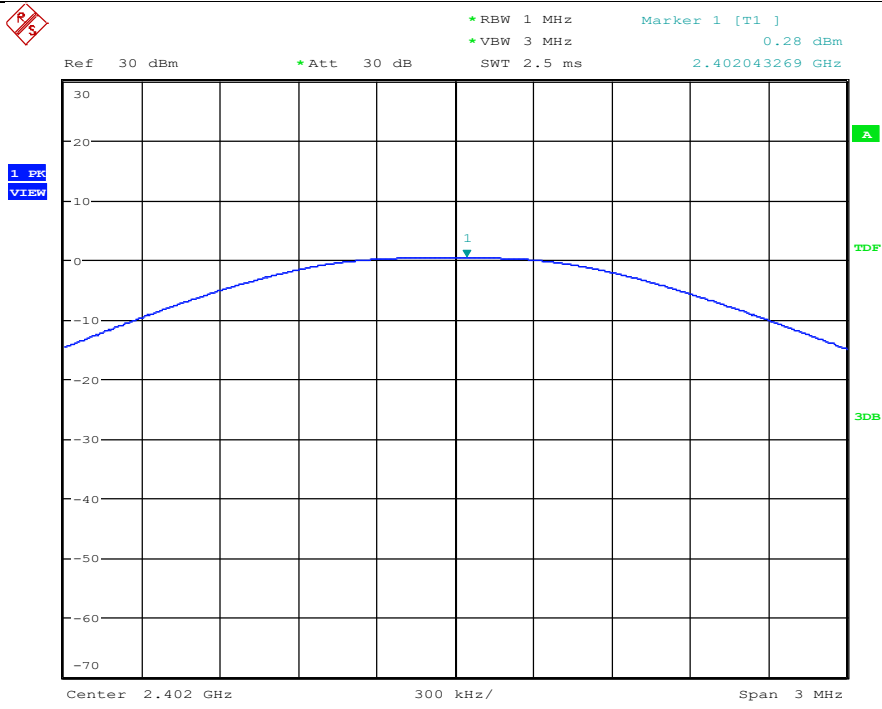
BLE_BT4.0_Ant1_2480

A.2. Occupied Bandwidth

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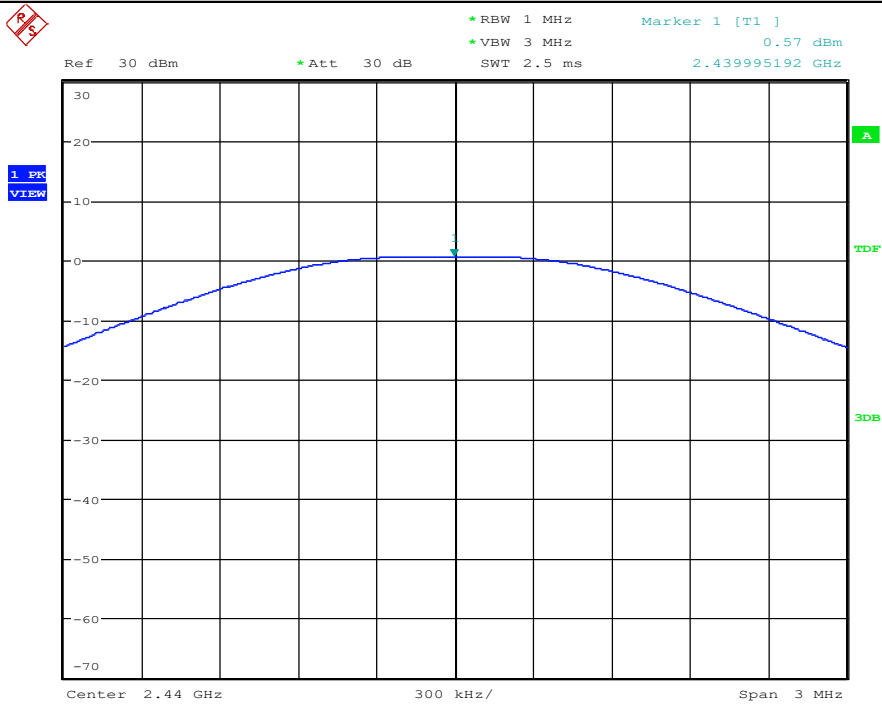
A.3. Maximum peak conducted output power

Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE(1Mbps)	2402	Ant1	0.28	30	PASS
BLE(1Mbps)	2440	Ant1	0.75	30	PASS
BLE(1Mbps)	2480	Ant1	0.61	30	PASS



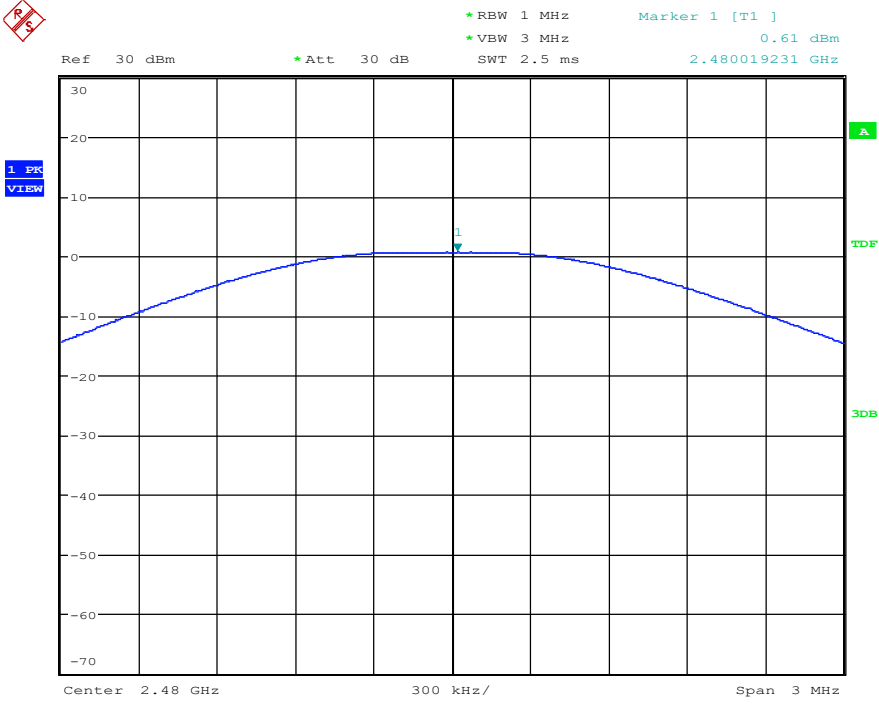
Date: 22.SEP.2020 16:13:57

BLE_BT4.0_Ant1_2402



Date: 22.SEP.2020 16:14:35

BLE_BT4.0_Ant1_2440

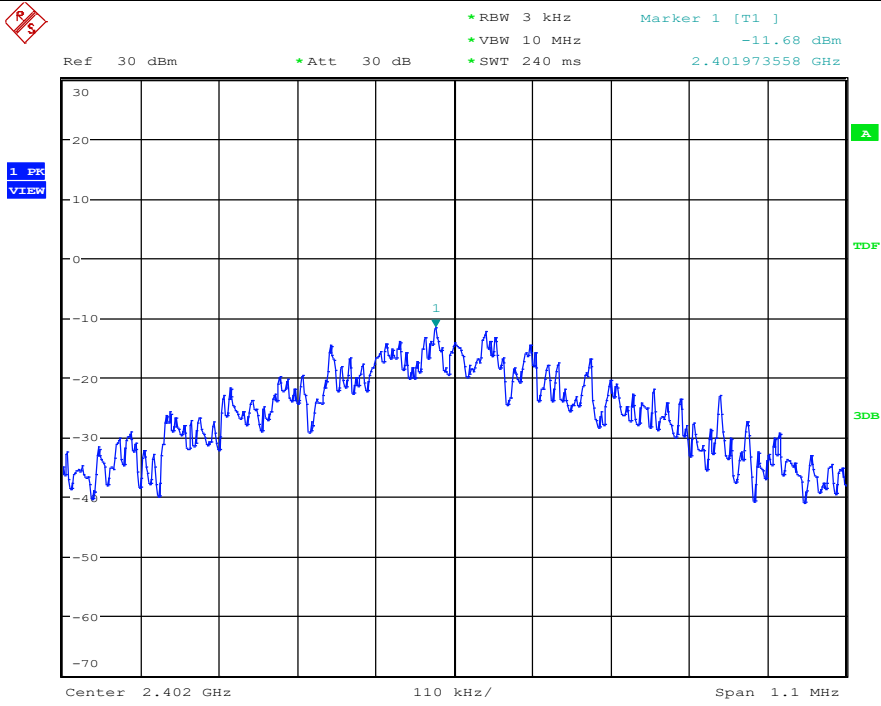


Date: 22.SEP.2020 16:15:01

BLE_BT4.0_Ant1_2480

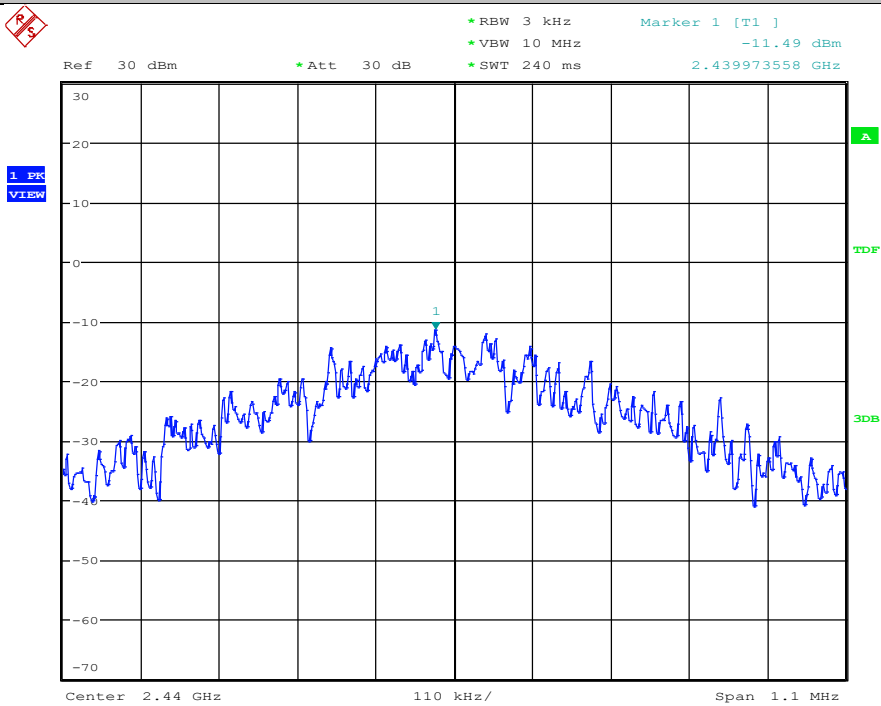
A.4. Maximum Peak power spectral density

Test Mode	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE(1Mbps)	2402	Ant1	-11.68	8.00	PASS
BLE(1Mbps)	2440	Ant1	-11.49	8.00	PASS
BLE(1Mbps)	2480	Ant1	-11.39	8.00	PASS



Date: 22.SEP.2020 16:30:57

BLE_BT4.0_Ant1_2402

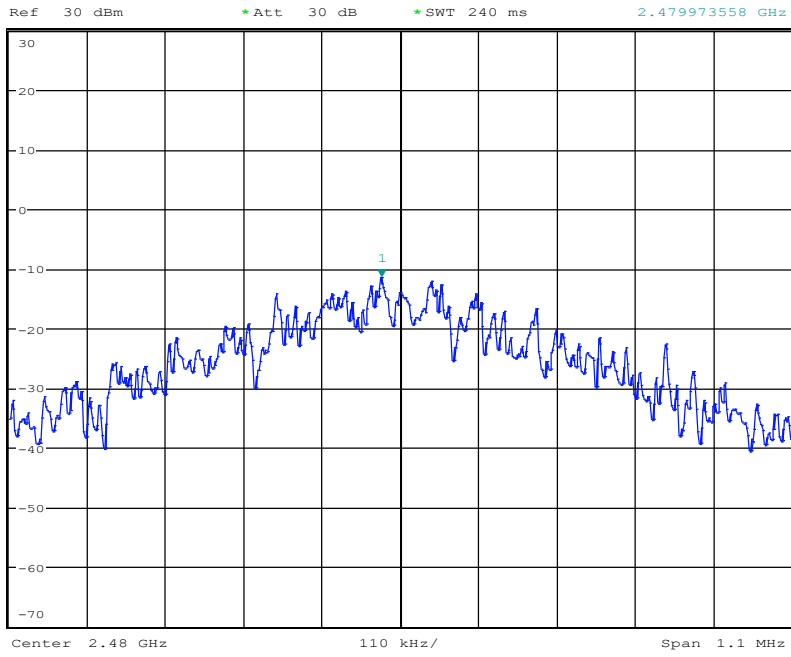


Date: 22.SEP.2020 16:31:37

BLE_BT4.0_Ant1_2440



* RBW 3 kHz
* VBW 10 MHz
* SWT 240 ms
Marker 1 [T1]
-11.39 dBm
2.479973558 GHz



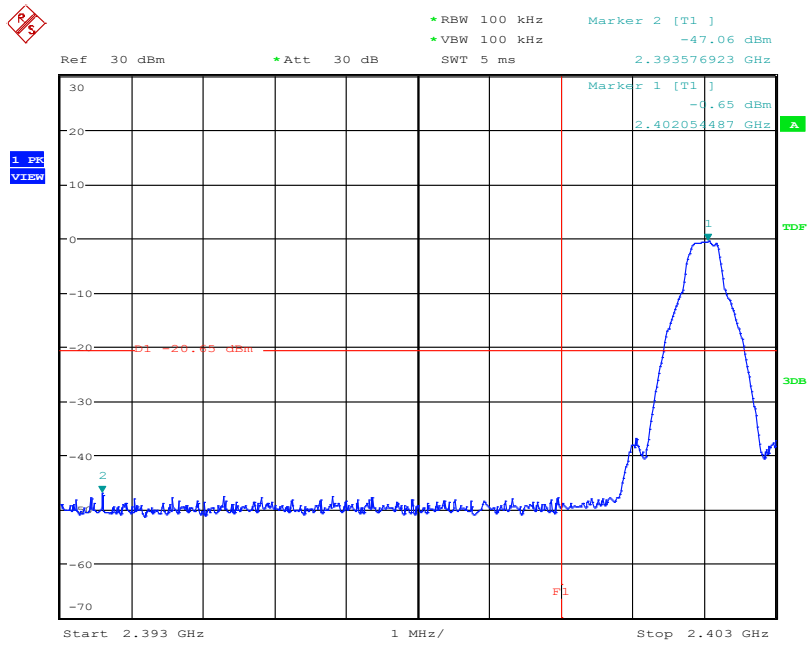
Date: 22.SEP.2020 16:32:20

BLE_BT4.0_Ant1_2480

A.5. Conducted Spurious Emissions and Band Edges Test

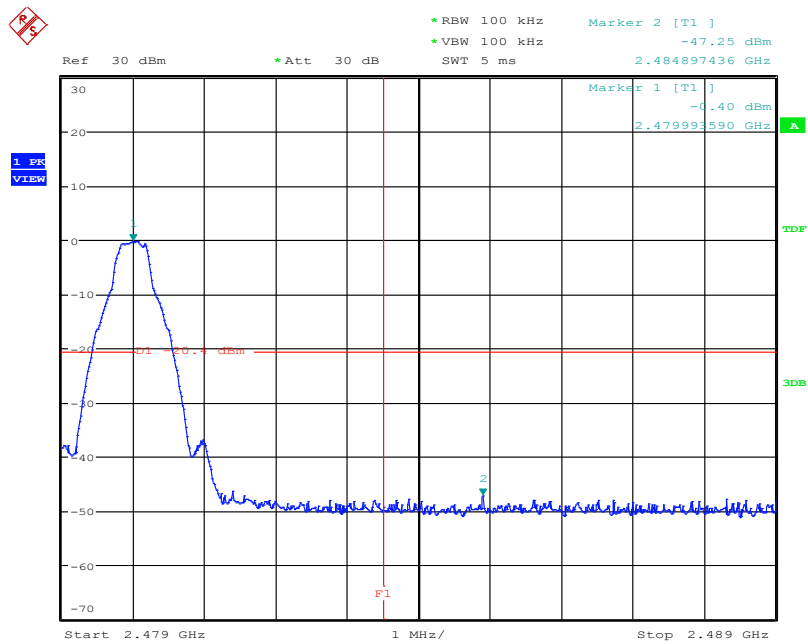
Band Edges Measurement:

Low channel



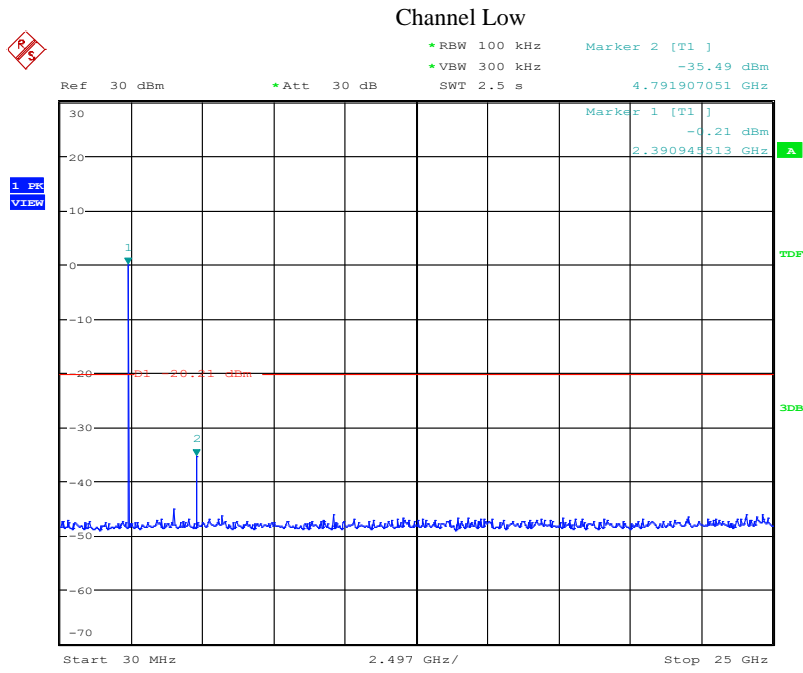
Date: 22.SEP.2020 16:17:29

High channel

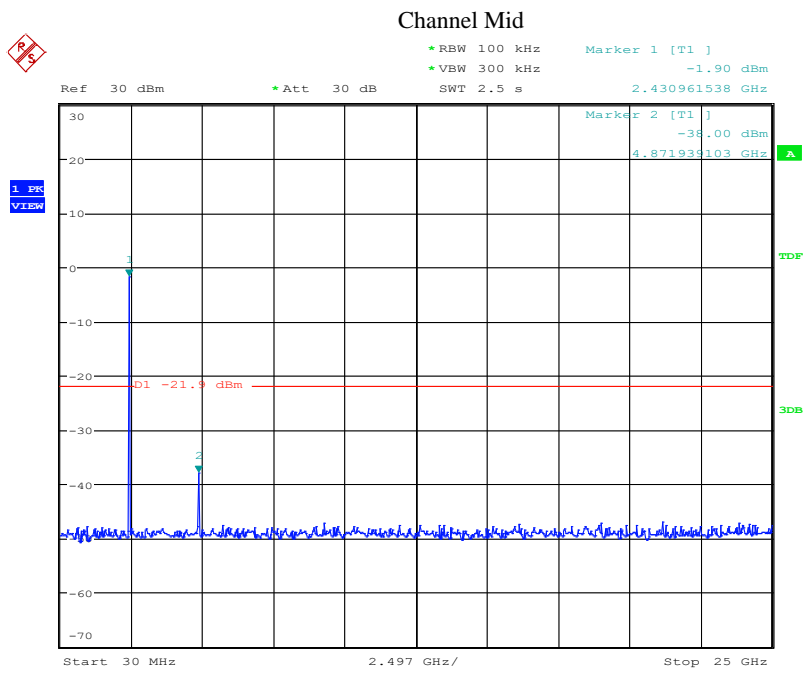


Date: 22.SEP.2020 16:19:42

Conducted spurious emissions

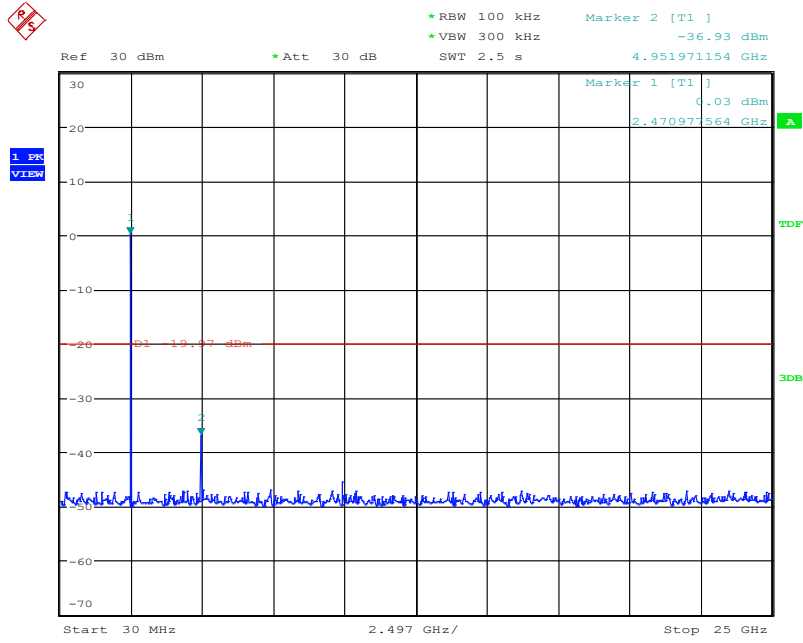


Date: 22.SEP.2020 16:28:09



Date: 22.SEP.2020 16:26:05

Channel High



Date: 22.SEP.2020 16:24:50

A.6. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE(1Mbps)	2440	Ant1	35.12	PASS

