

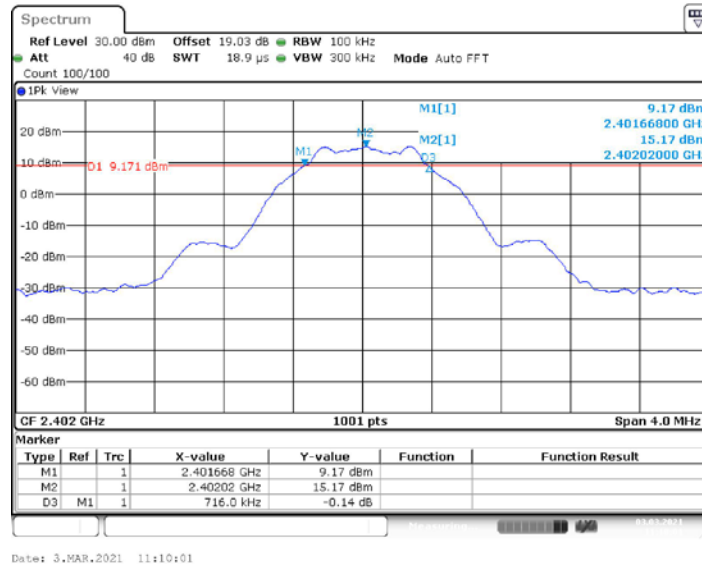
Appendix A: DTS Bandwidth

Test Result

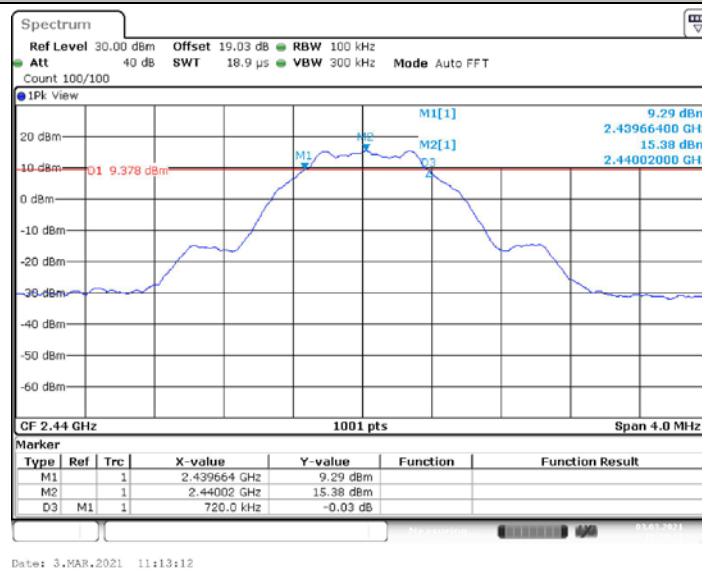
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.668	2402.384	0.5	PASS
		2440	0.720	2439.664	2440.384	0.5	PASS
		2480	0.720	2479.664	2480.384	0.5	PASS
BLE_2M	Ant1	2402	1.232	2401.384	2402.616	0.5	PASS
		2440	1.180	2439.436	2440.616	0.5	PASS
		2480	1.184	2479.432	2480.616	0.5	PASS
BLE_1M	Ant2	2402	0.709	2401.664	2402.384	0.5	PASS
		2440	0.714	2439.665	2440.384	0.5	PASS
		2480	0.714	2479.665	2480.384	0.5	PASS
BLE_2M	Ant2	2402	1.235	2401.384	2402.616	0.5	PASS
		2440	1.179	2439.436	2440.616	0.5	PASS
		2480	1.181	2479.432	2480.616	0.5	PASS

Test Graphs

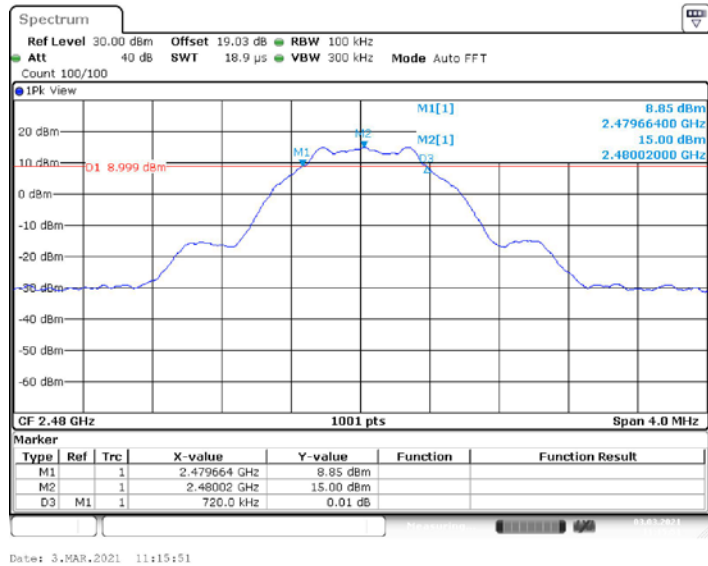
BLE_1M_Ant1_2402



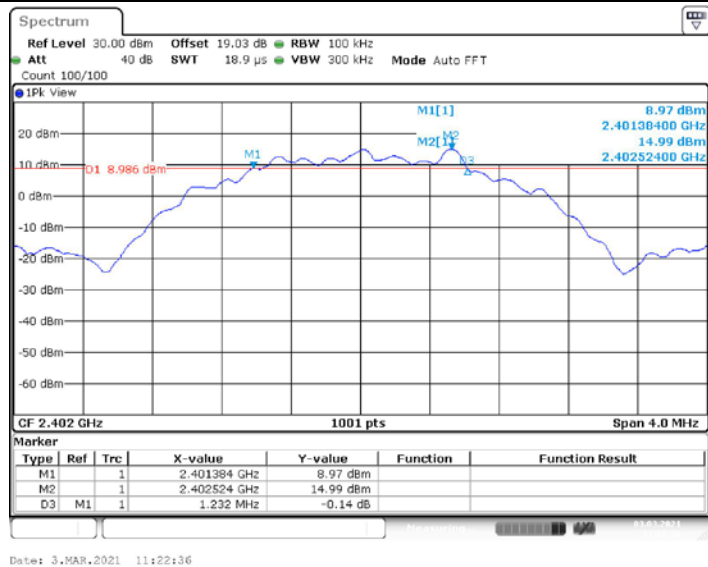
BLE_1M_Ant1_2440



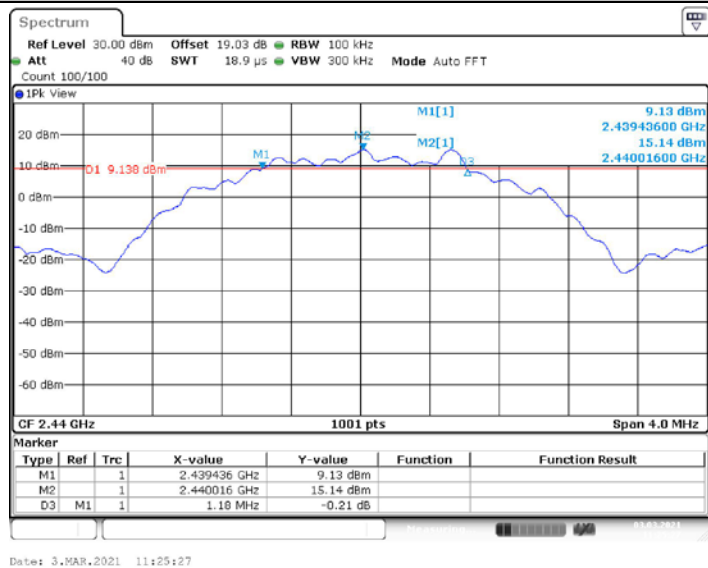
BLE_1M_Ant1_2480



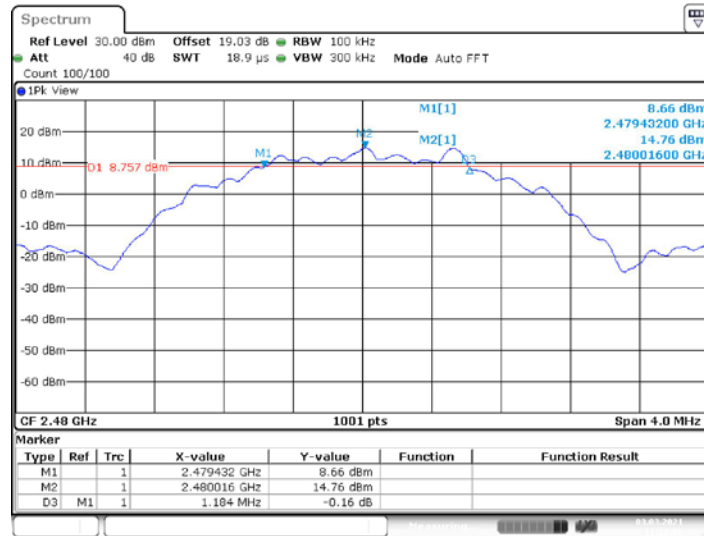
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440

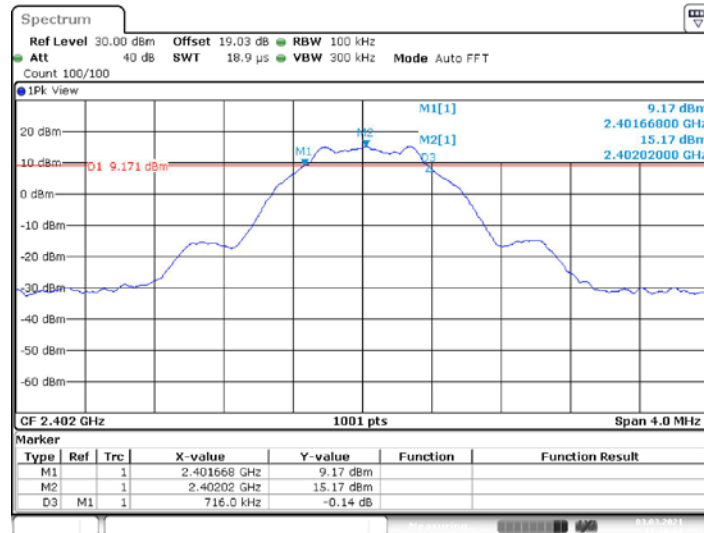


BLE_2M_Ant1_2480



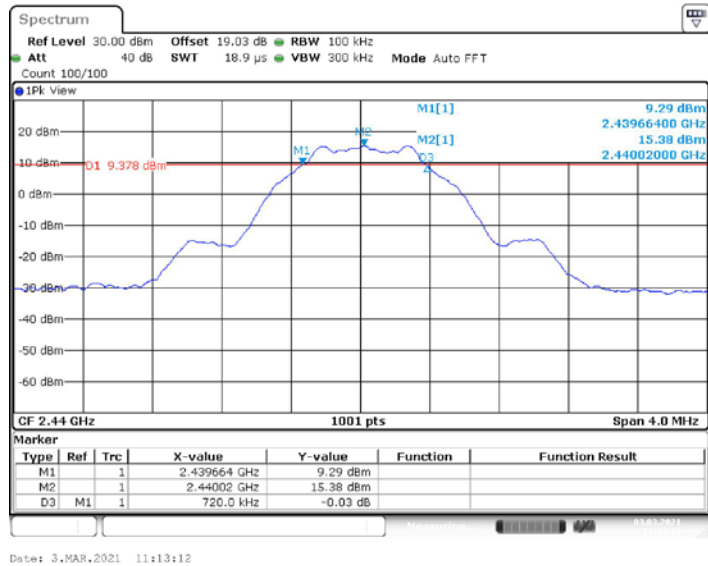
Date: 3.MAR.2021 11:28:01

BLE_1M_Ant2_2402

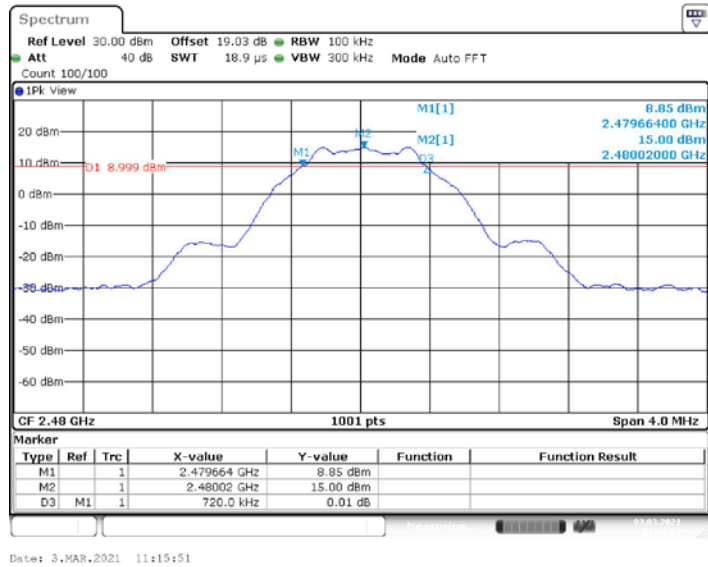


Date: 3.MAR.2021 11:10:01

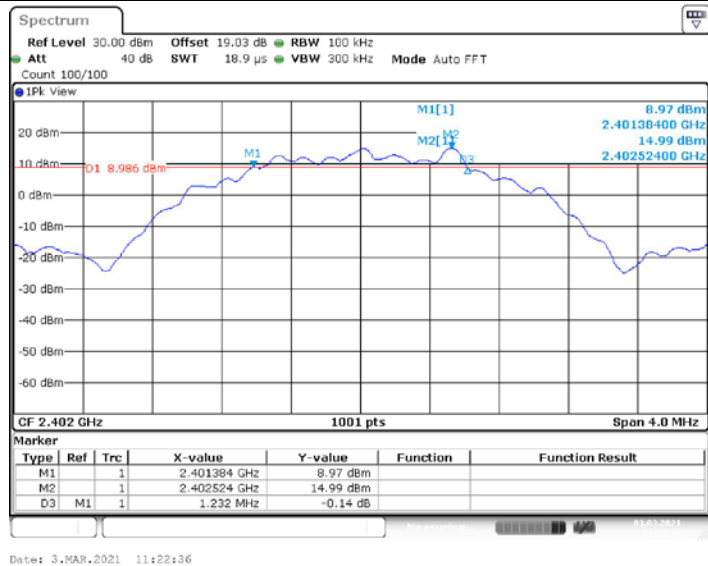
BLE_1M_Ant2_2440



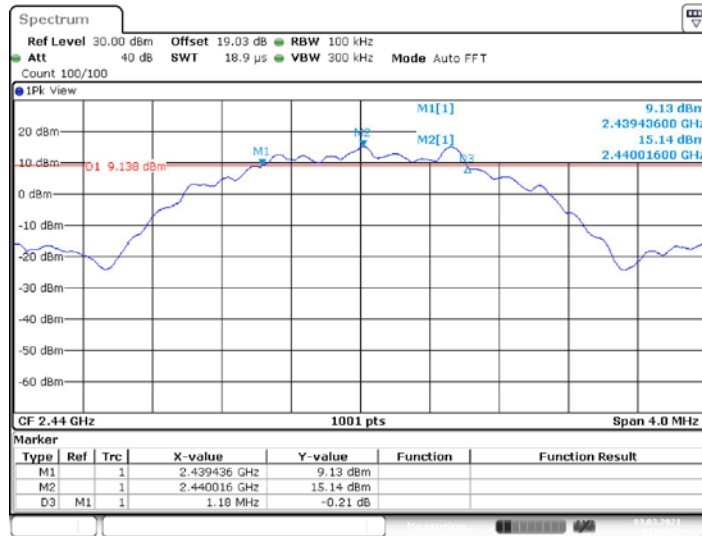
BLE_1M_Ant2_2480



BLE_2M_Ant2_2402

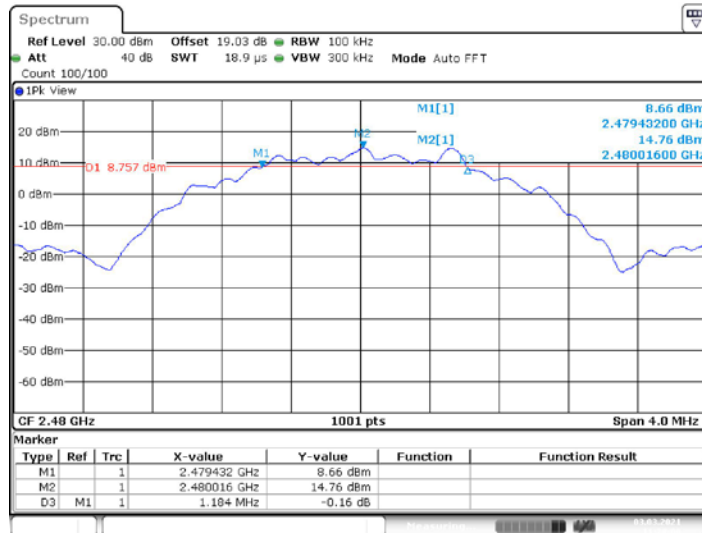


BLE_2M_Ant2_2440



Date: 3.MAR.2021 11:25:27

BLE_2M_Ant2_2480



Date: 3.MAR.2021 11:28:01

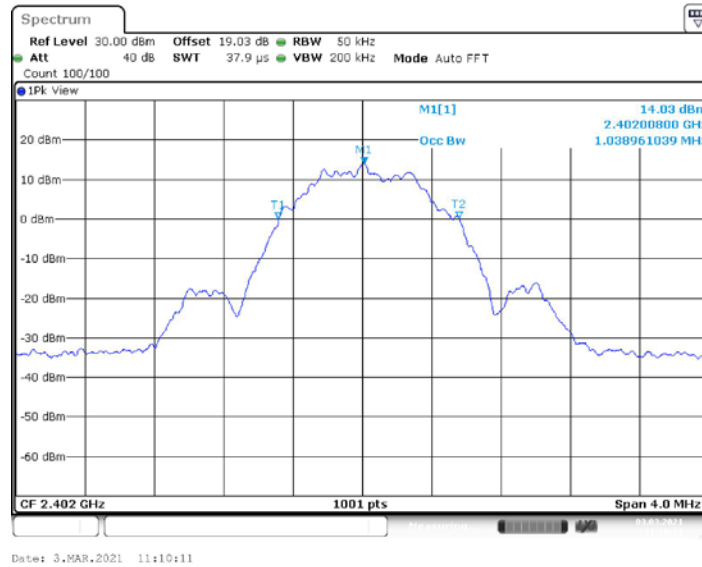
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.039	2401.516	2402.555	---	PASS
		2440	1.039	2439.516	2440.555	---	PASS
		2480	1.039	2479.516	2480.555	---	PASS
BLE_2M	Ant1	2402	2.058	2401.013	2403.071	---	PASS
		2440	2.062	2439.013	2441.075	---	PASS
		2480	2.058	2479.013	2481.071	---	PASS
BLE_1M	Ant2	2402	1.038	2401.516	2402.555	---	PASS
		2440	1.038	2439.516	2440.555	---	PASS
		2480	1.038	2479.516	2480.555	---	PASS
BLE_2M	Ant2	2402	2.057	2401.013	2403.071	---	PASS
		2440	2.061	2439.013	2441.075	---	PASS
		2480	2.057	2479.013	2481.071	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



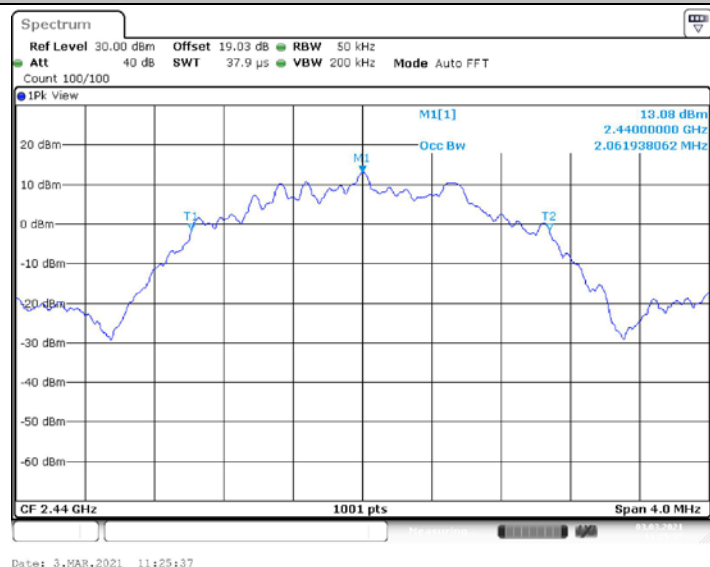
BLE_1M_Ant1_2480



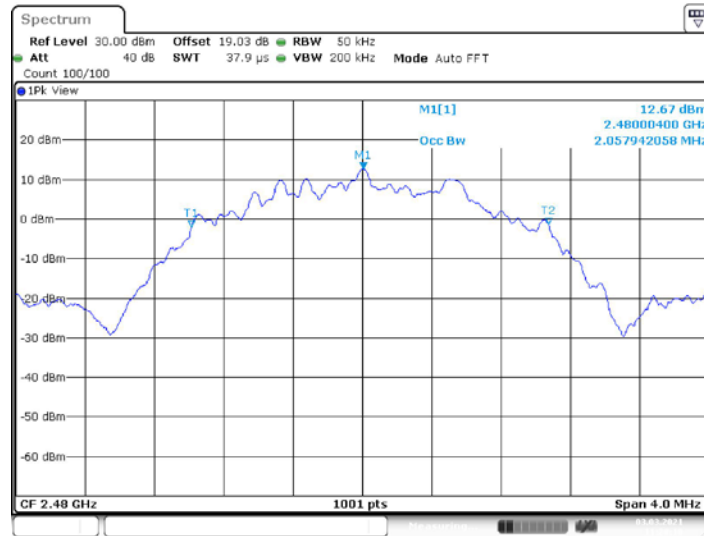
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440

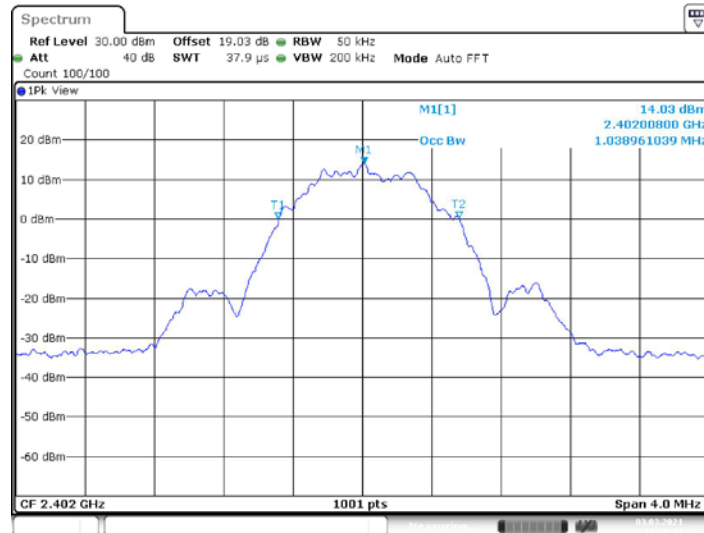


BLE_2M_Ant1_2480



Date: 3.MAR.2021 11:28:11

BLE_1M_Ant2_2402

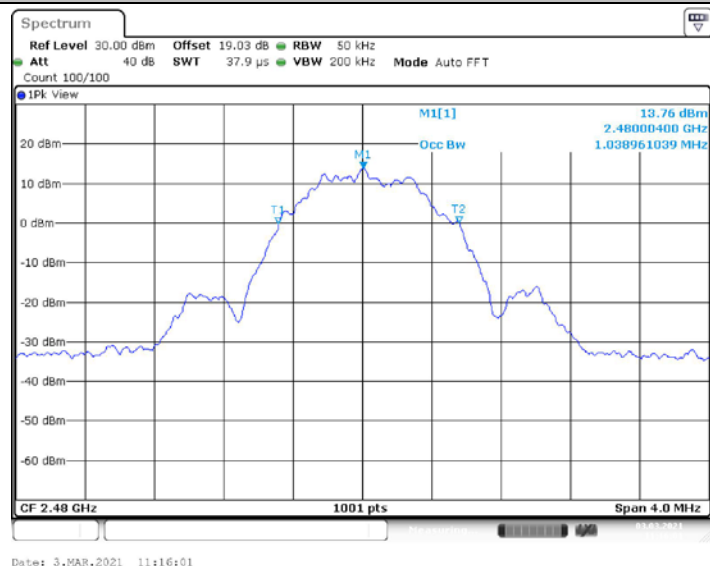


Date: 3.MAR.2021 11:10:11

BLE_1M_Ant2_2440



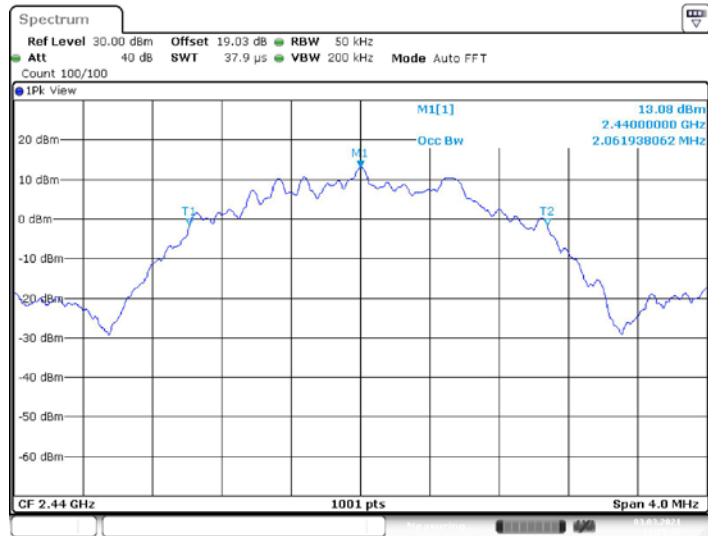
BLE_1M_Ant2_2480



BLE_2M_Ant2_2402

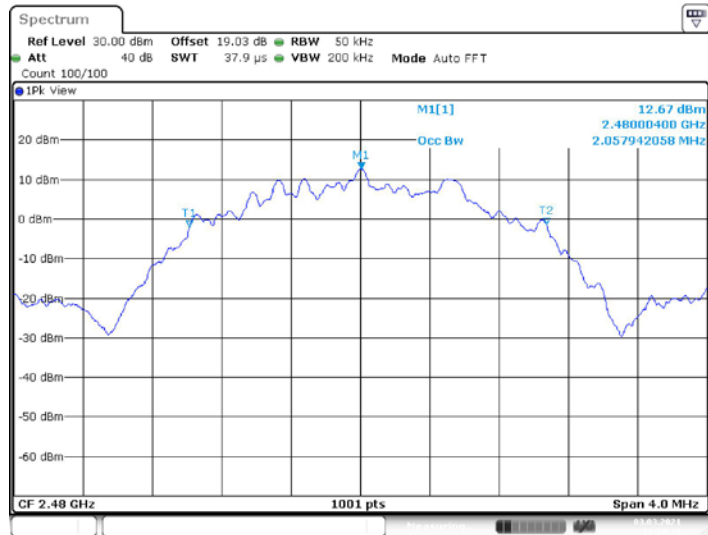


BLE_2M_Ant2_2440



Date: 3.MAR.2021 11:25:37

BLE_2M_Ant2_2480



Date: 3.MAR.2021 11:28:11

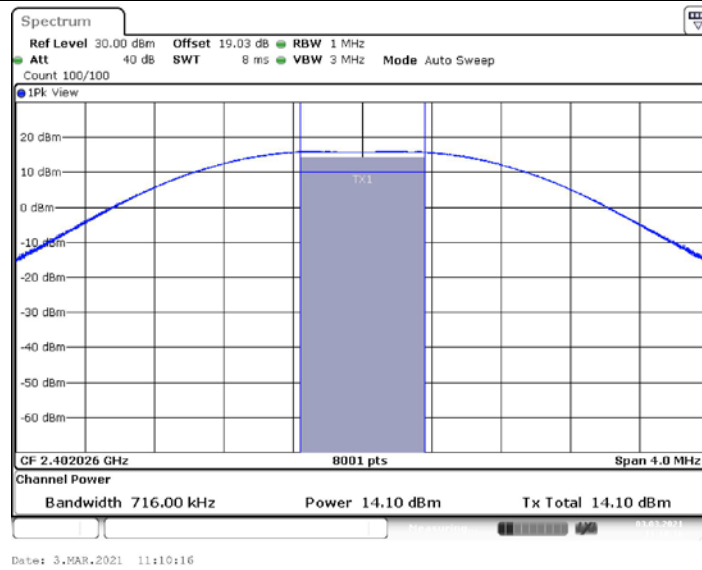
Appendix C: Maximum conducted output power

Test Result

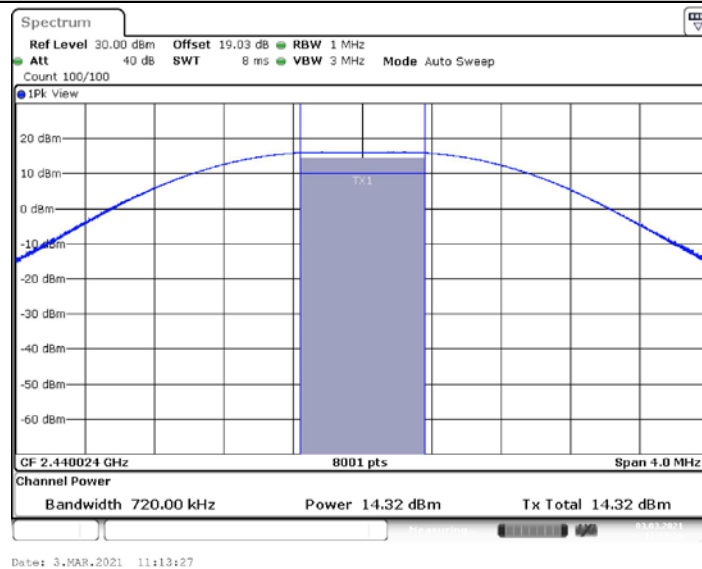
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	14.10	<=30	PASS
		2440	14.32	<=30	PASS
		2480	13.95	<=30	PASS
BLE_2M	Ant1	2402	16.36	<=30	PASS
		2440	16.23	<=30	PASS
		2480	15.87	<=30	PASS
BLE_1M	Ant2	2402	14.07	<=30	PASS
		2440	14.30	<=30	PASS
		2480	13.92	<=30	PASS
BLE_2M	Ant2	2402	16.32	<=30	PASS
		2440	16.24	<=30	PASS
		2480	15.88	<=30	PASS

Test Graphs

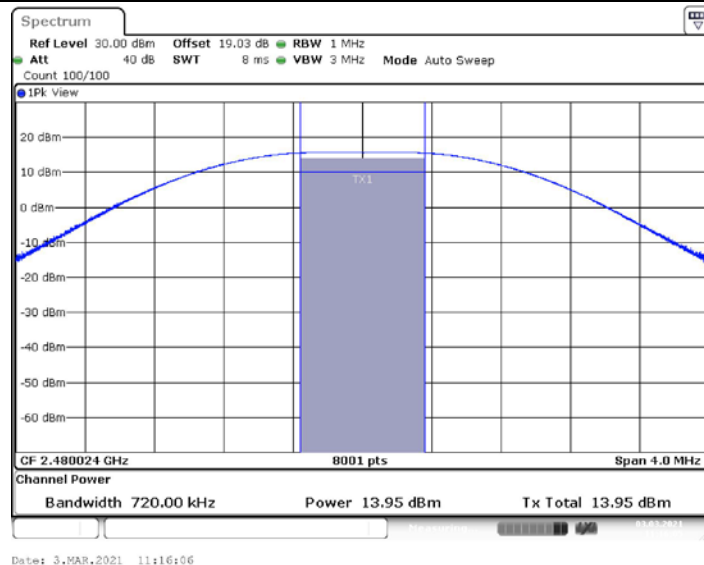
BLE_1M_Ant1_2402



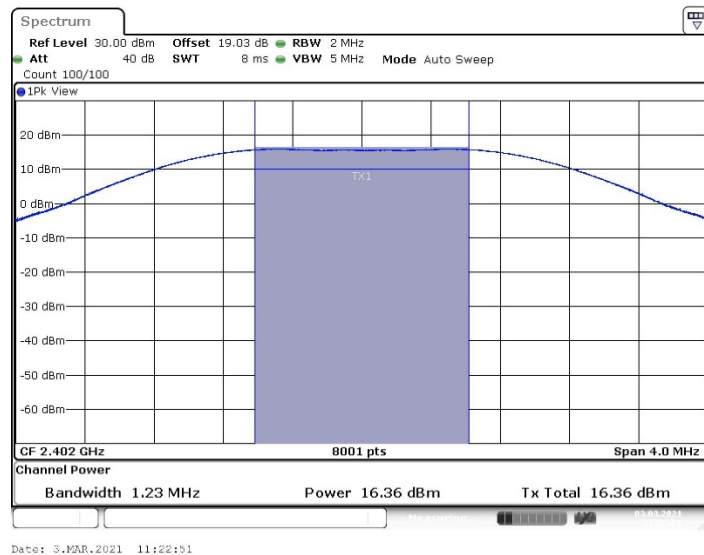
BLE_1M_Ant1_2440



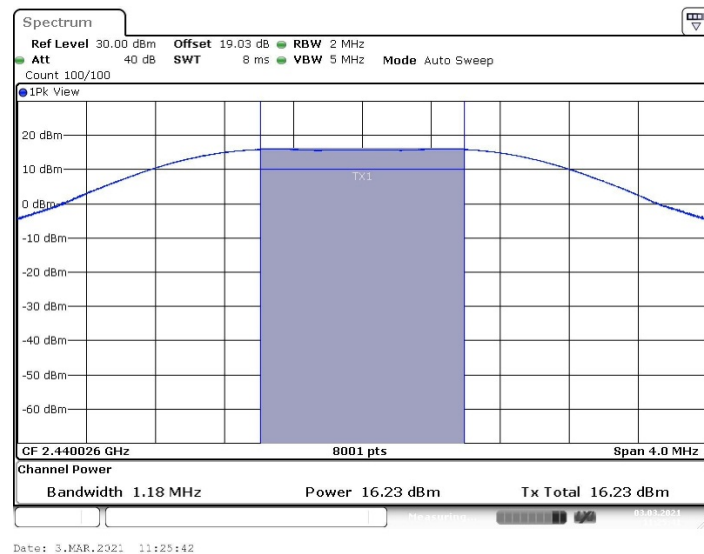
BLE_1M_Ant1_2480



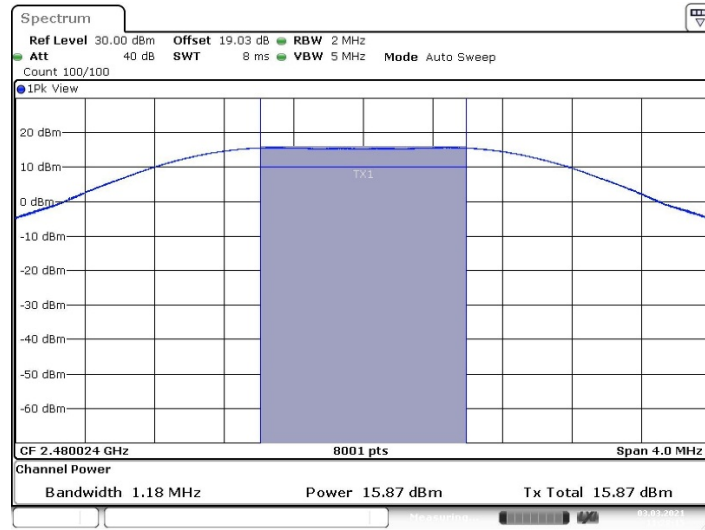
BLE_2M_Ant1_2402



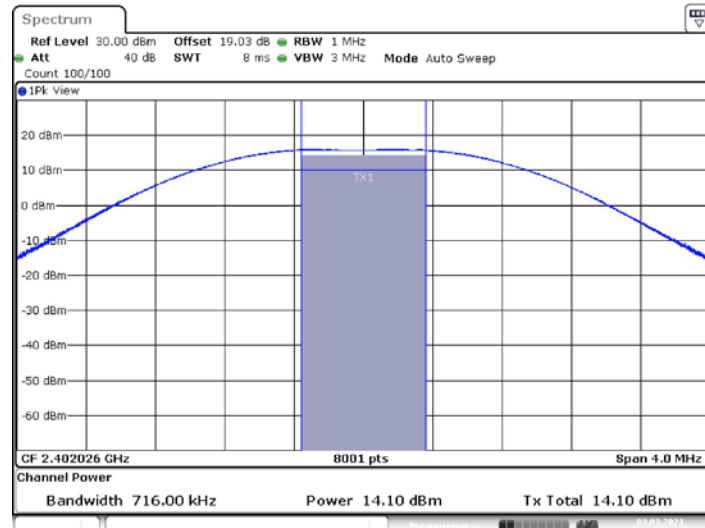
BLE_2M_Ant1_2440



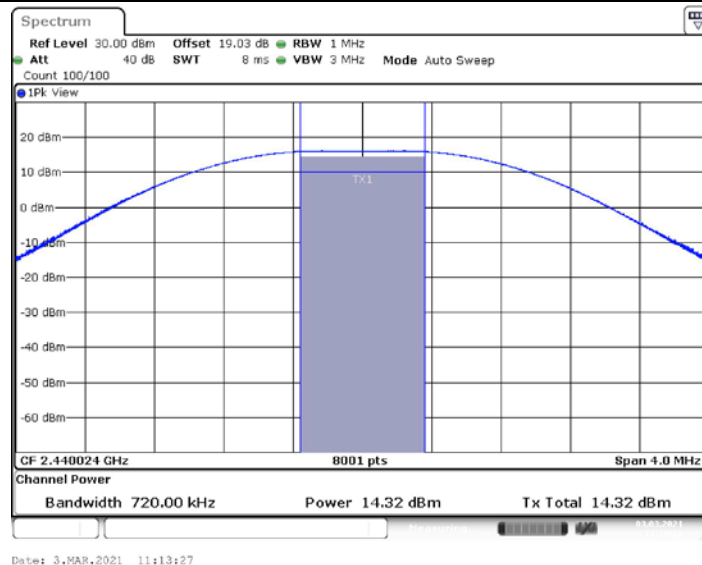
BLE_2M_Ant1_2480



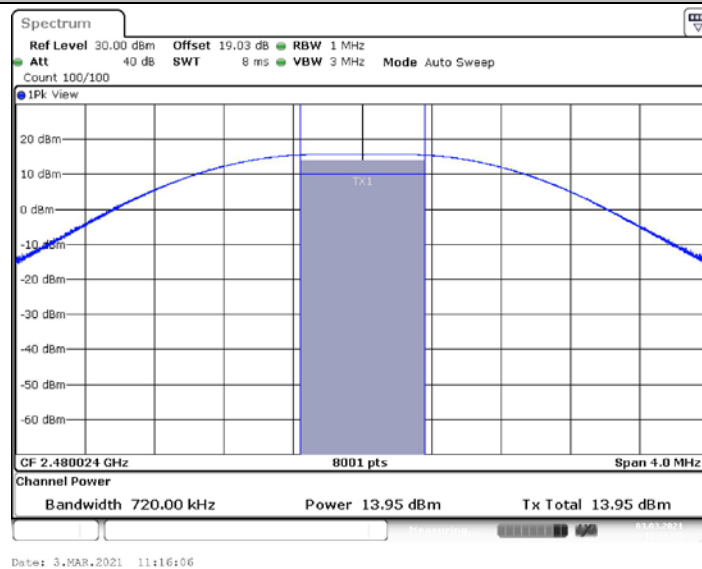
BLE_1M_Ant2_2402



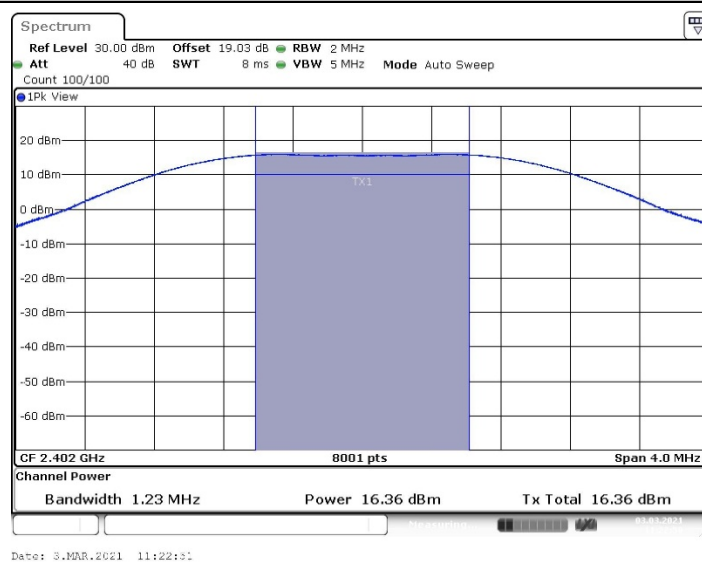
BLE_1M_Ant2_2440



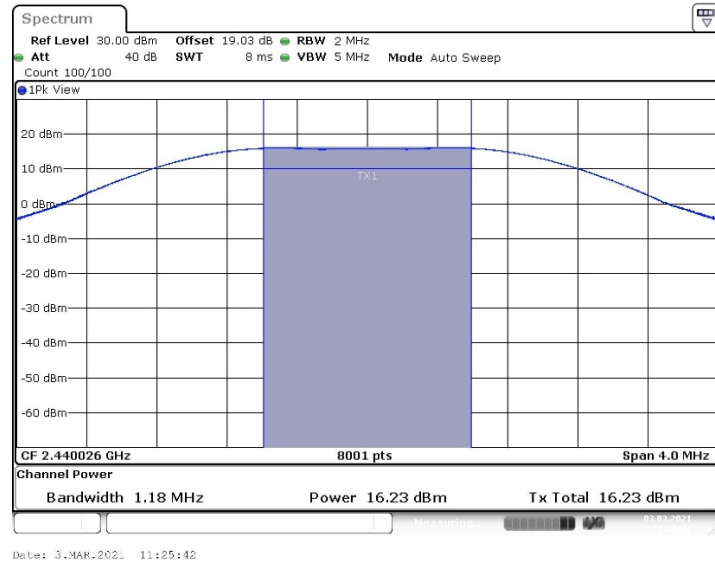
BLE_1M_Ant2_2480



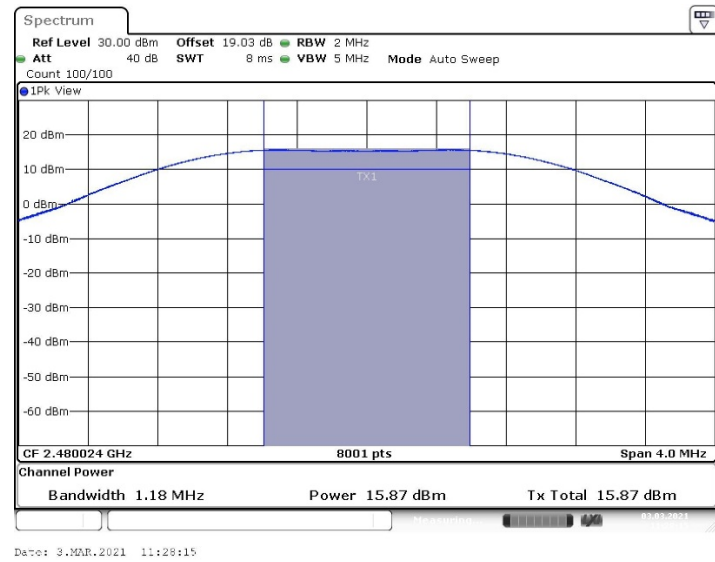
BLE_2M_Ant2_2402



BLE_2M_Ant2_2440



BLE_2M_Ant2_2480



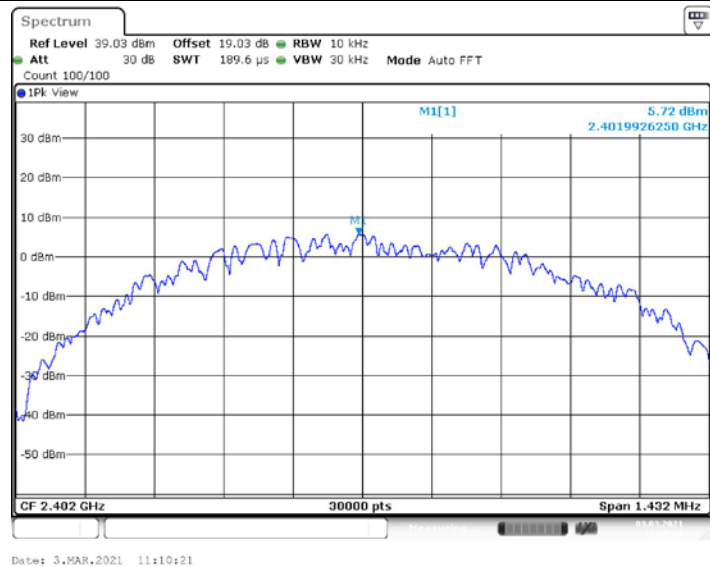
Appendix D: Maximum power spectral density

Test Result

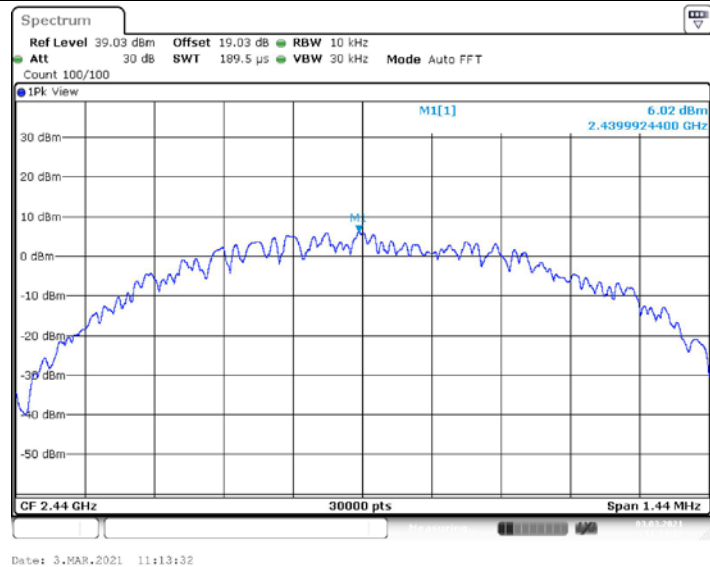
TestMode	Antenna	Channel	Result[dBm/10kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	5.72	0.49	<=8	PASS
		2440	6.02	0.79	<=8	PASS
		2480	5.58	0.35	<=8	PASS
BLE_2M	Ant1	2402	2.61	-2.62	<=8	PASS
		2440	2.87	-2.36	<=8	PASS
		2480	2.44	-2.79	<=8	PASS
BLE_1M	Ant2	2402	5.70	0.47	<=8	PASS
		2440	6.00	0.77	<=8	PASS
		2480	5.57	0.34	<=8	PASS
BLE_2M	Ant2	2402	2.60	-2.63	<=8	PASS
		2440	2.82	-2.41	<=8	PASS
		2480	2.41	-2.82	<=8	PASS

Test Graphs

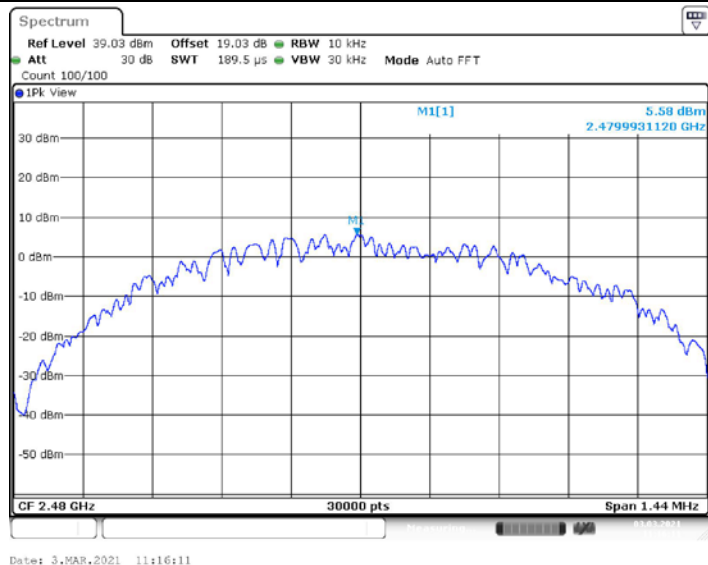
BLE_1M_Ant1_2402



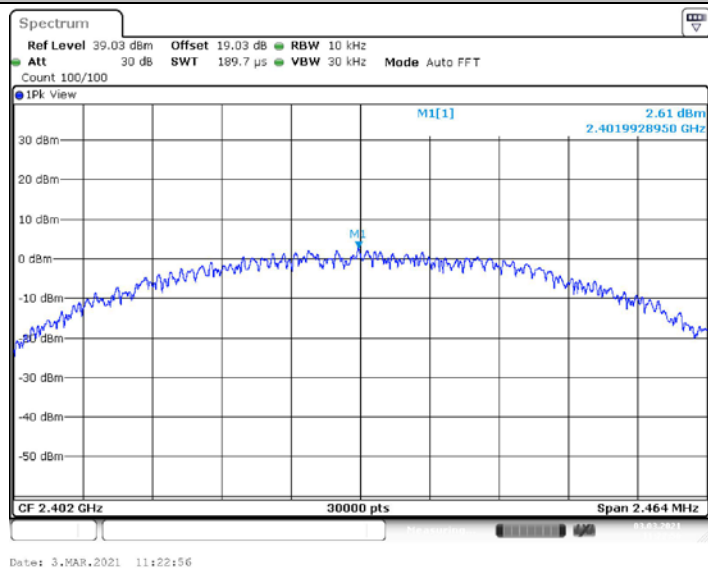
BLE_1M_Ant1_2440



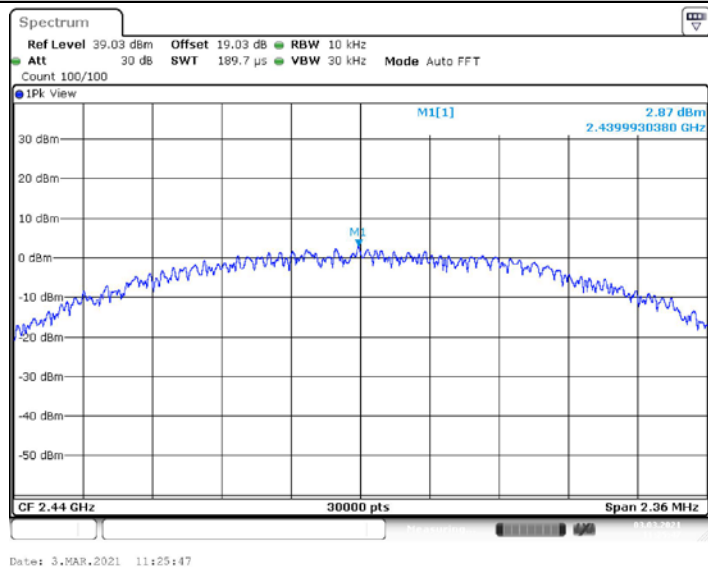
BLE_1M_Ant1_2480



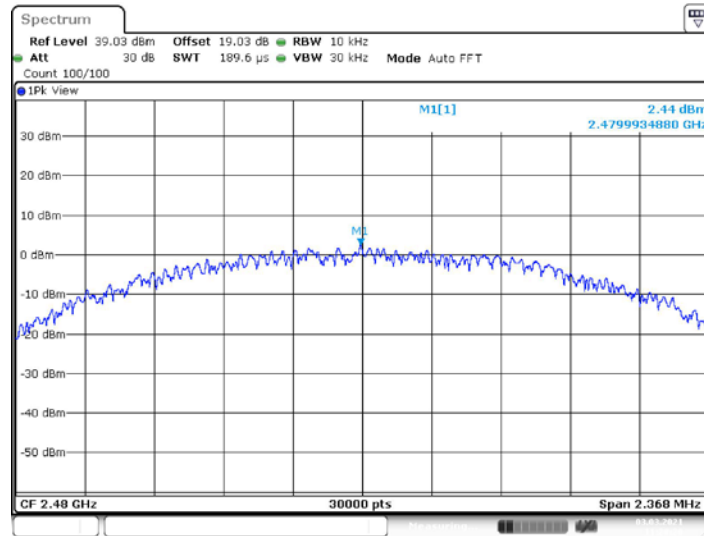
BLE_2M_Ant1_2402



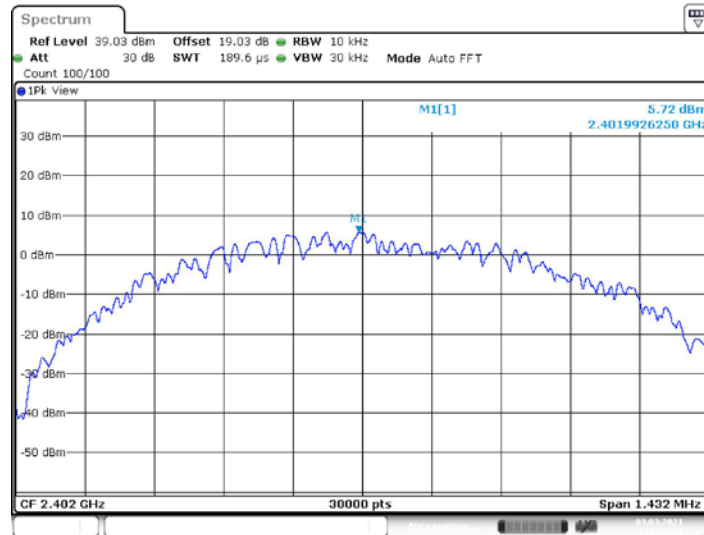
BLE_2M_Ant1_2440



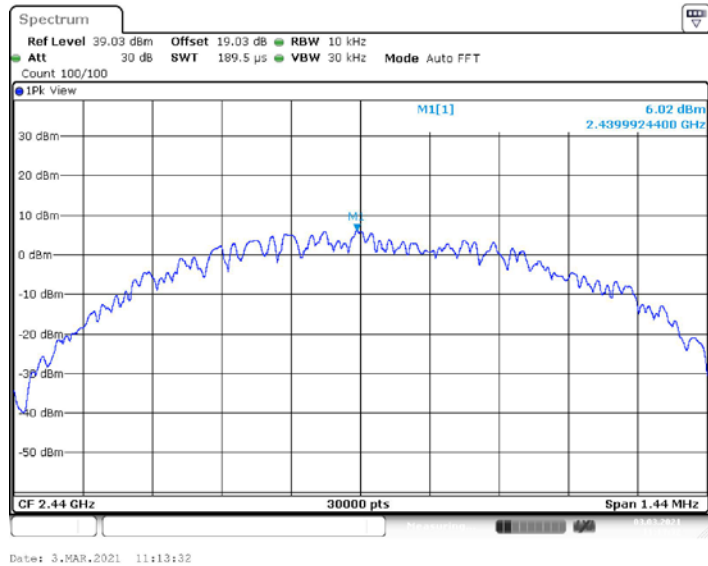
BLE_2M_Ant1_2480



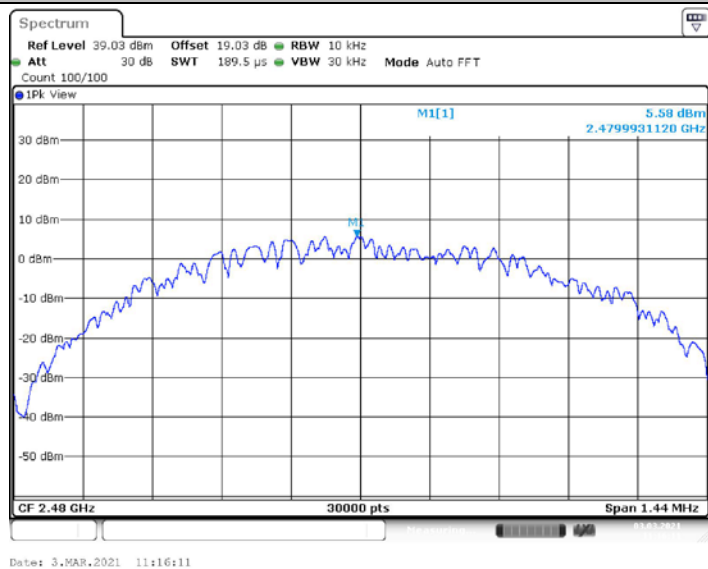
BLE_1M_Ant2_2402



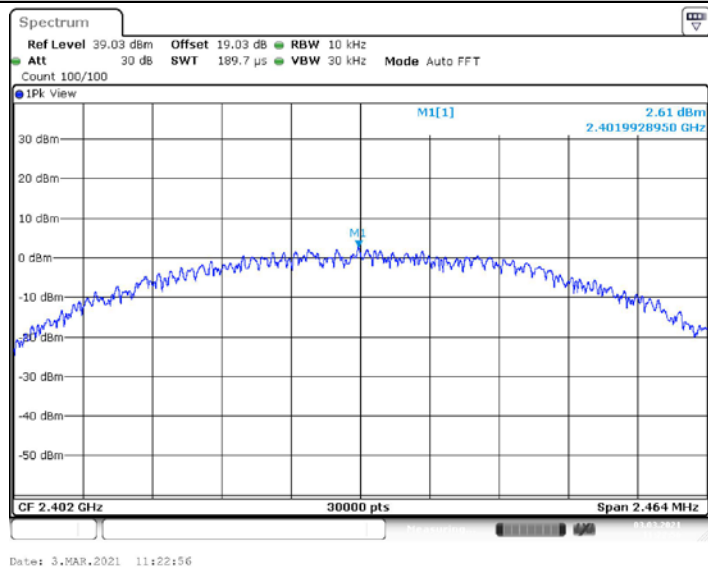
BLE_1M_Ant2_2440



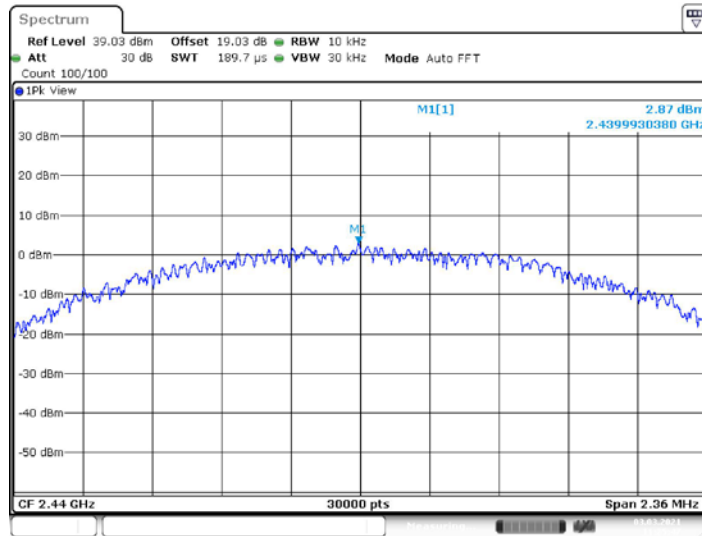
BLE_1M_Ant2_2480



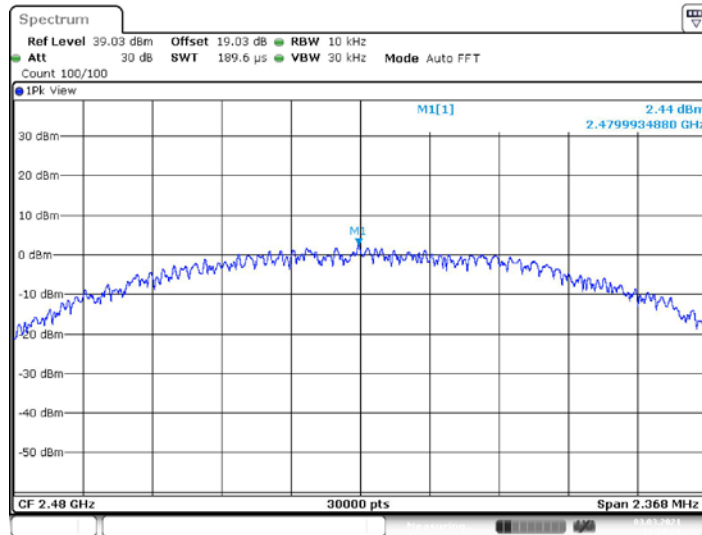
BLE_2M_Ant2_2402



BLE_2M_Ant2_2440



BLE_2M_Ant2_2480



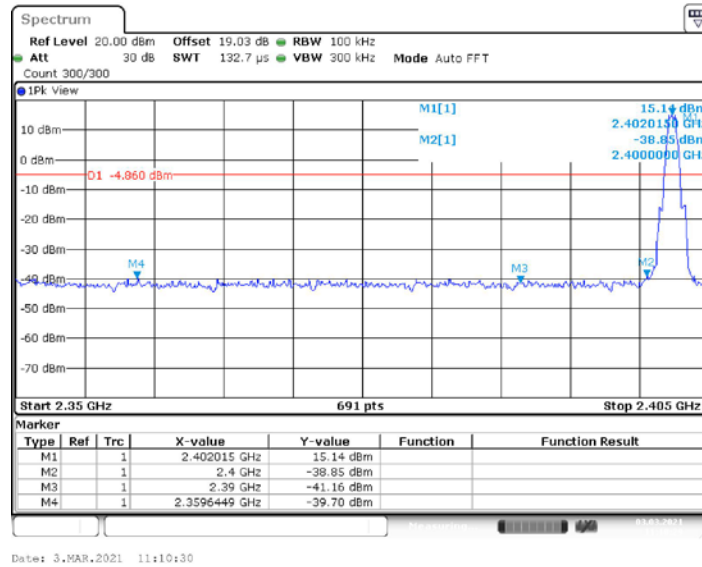
Appendix E: Band edge measurements

Test Result

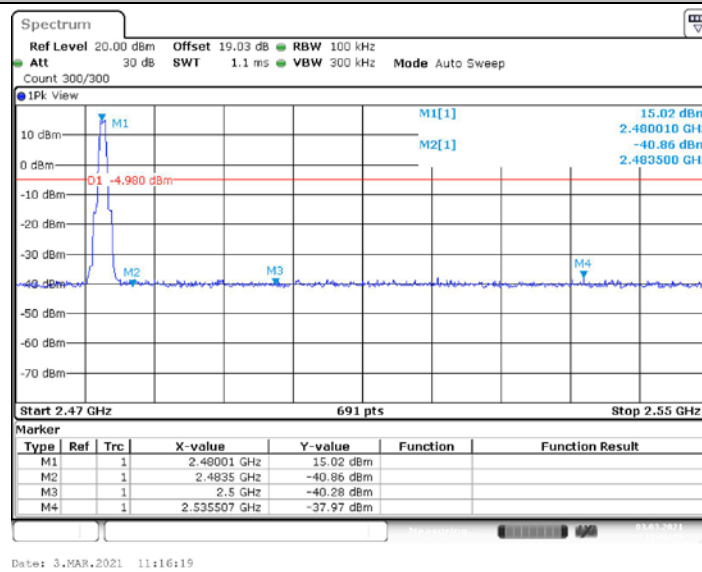
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	15.14	-39.7	<=-4.86	PASS
		High	2480	15.02	-37.97	<=-4.98	PASS
BLE_2M	Ant1	Low	2402	14.92	-18.36	<=-5.08	PASS
		High	2480	14.76	-37.43	<=-5.24	PASS
BLE_1M	Ant2	Low	2402	15.13	-39.6	<=-4.86	PASS
		High	2480	15.01	-37.96	<=-4.98	PASS
BLE_2M	Ant2	Low	2402	14.90	-18.35	<=-5.08	PASS
		High	2480	14.77	-37.42	<=-5.24	PASS

Test Graphs

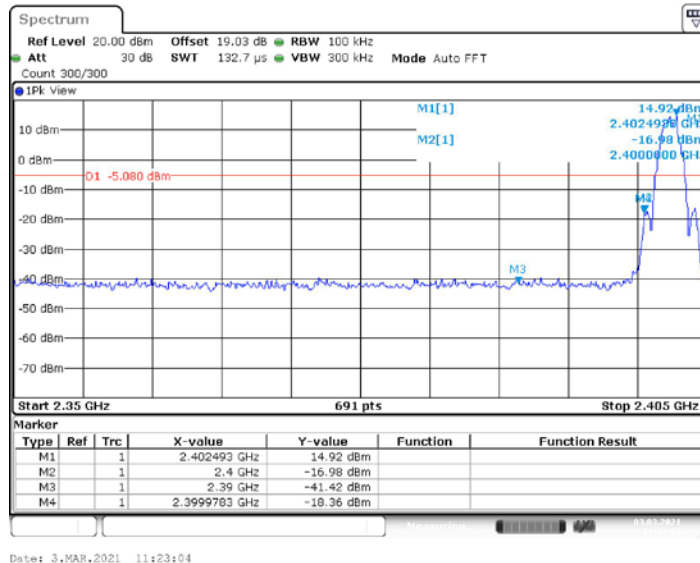
BLE_1M_Ant1_Low_2402



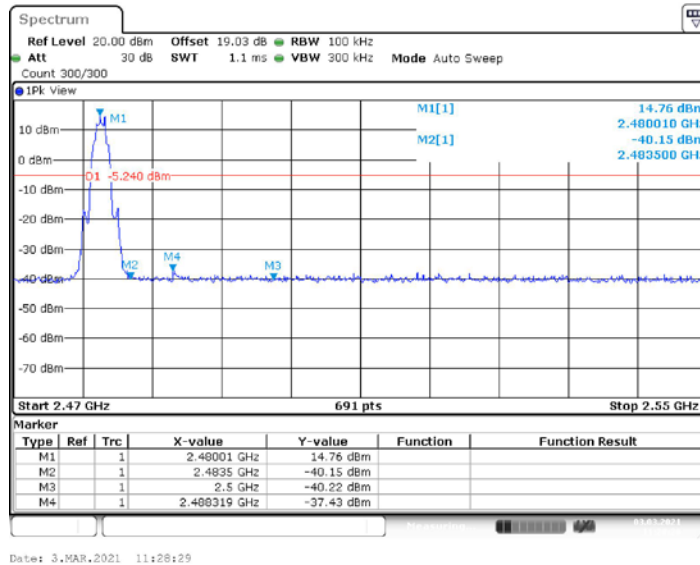
BLE_1M_Ant1_High_2480



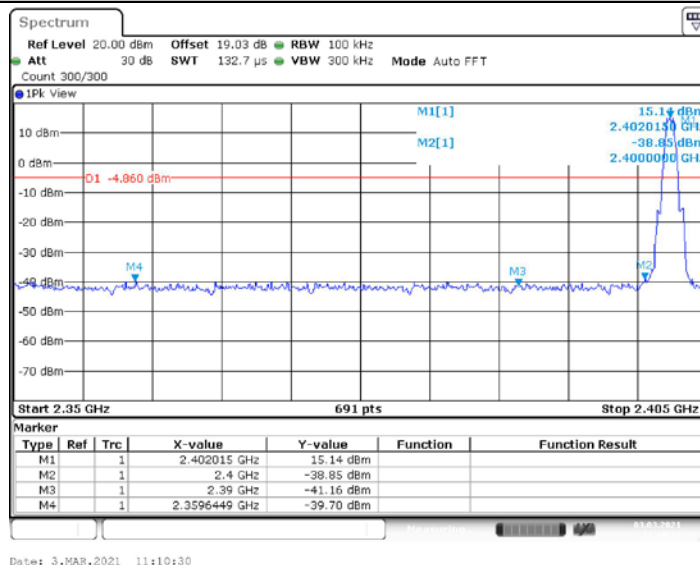
BLE_2M_Ant1_Low_2402



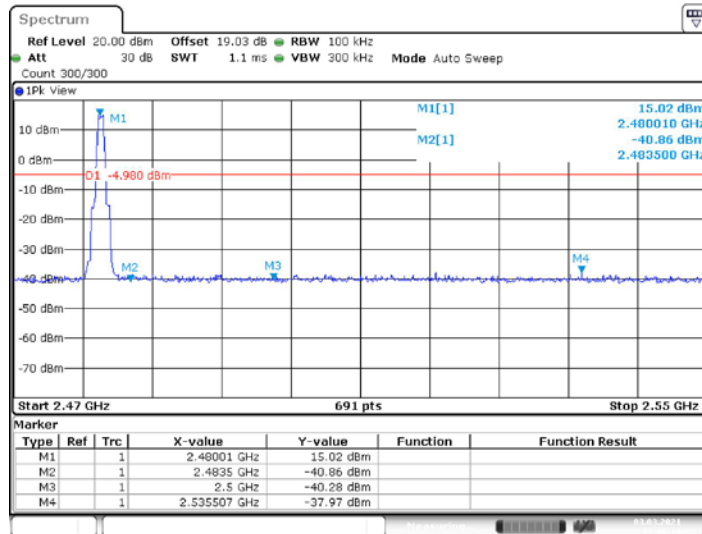
BLE_2M_Ant1_High_2480



BLE_1M_Ant2_Low_2402

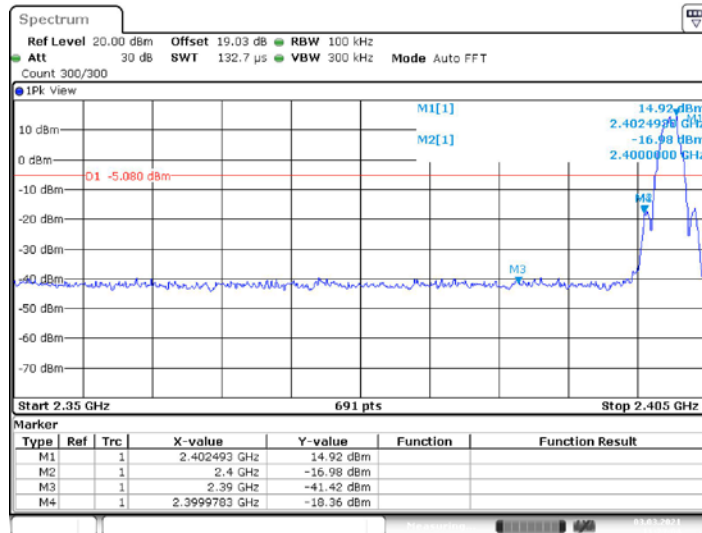


BLE_1M_Ant2_High_2480



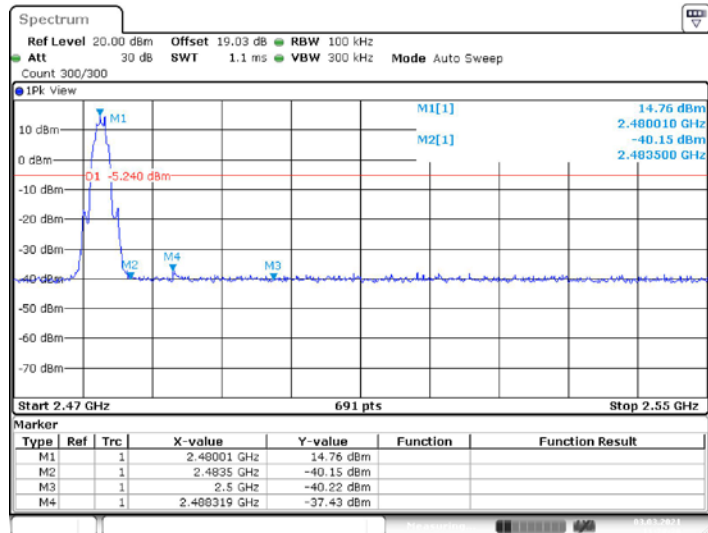
Date: 3.MAR.2021 11:16:19

BLE_2M_Ant2_Low_2402



Date: 3.MAR.2021 11:23:04

BLE_2M_Ant2_High_2480



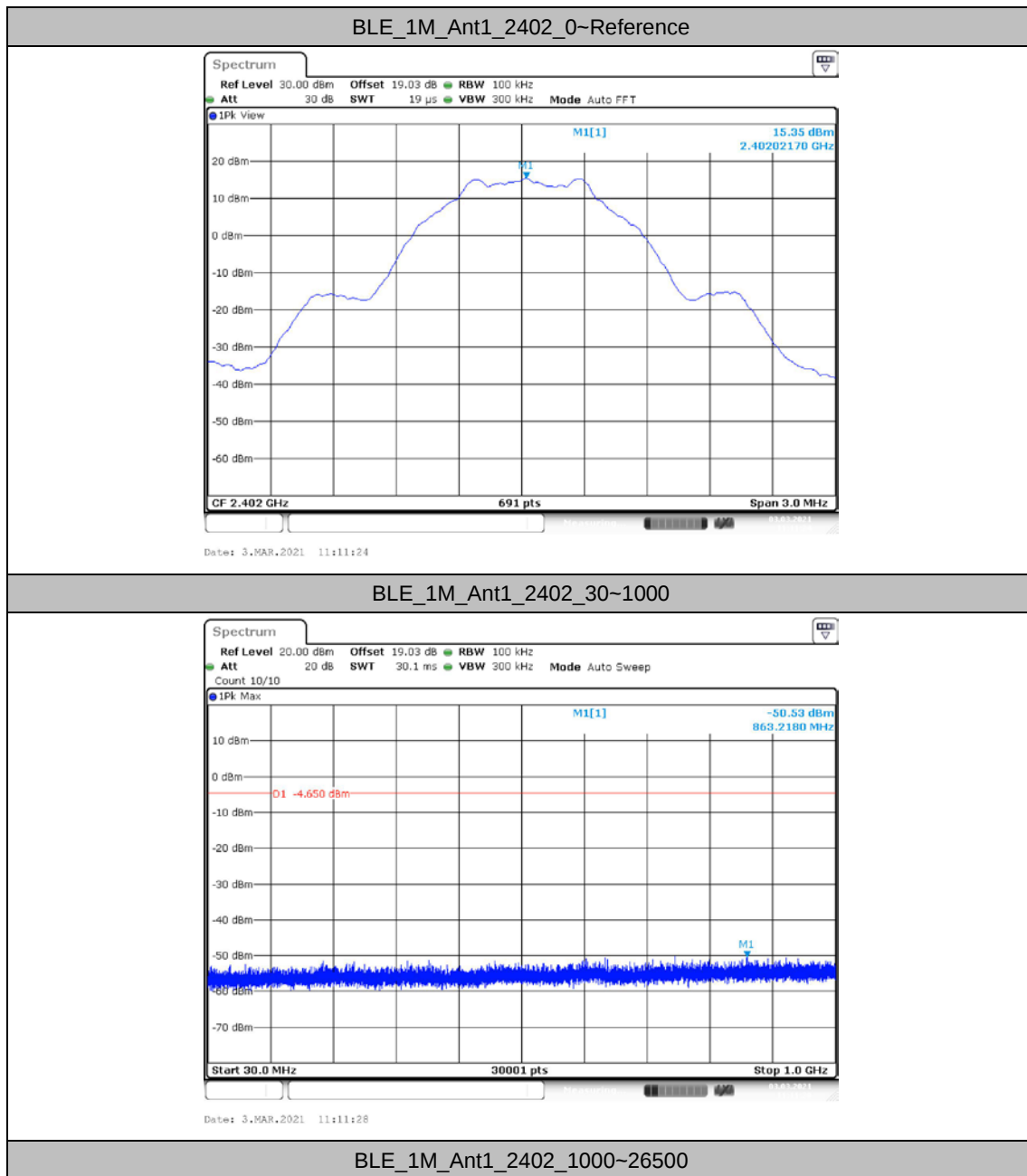
Date: 3.MAR.2021 11:28:29

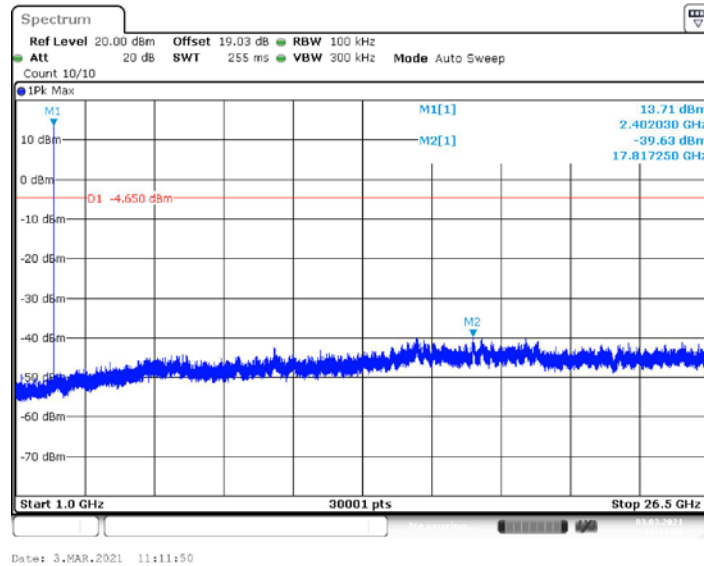
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	15.35	15.35	---	PASS
			30~1000	15.35	-50.53	<=-4.65	PASS
			1000~26500	15.35	-39.63	<=-4.65	PASS
		2440	Reference	15.40	15.40	---	PASS
			30~1000	15.40	-50.27	<=-4.6	PASS
			1000~26500	15.40	-39.2	<=-4.6	PASS
		2480	Reference	14.95	14.95	---	PASS
			30~1000	14.95	-48.99	<=-5.05	PASS
			1000~26500	14.95	-39.88	<=-5.05	PASS
BLE_2M	Ant1	2402	Reference	15.09	15.09	---	PASS
			30~1000	15.09	-50.64	<=-4.91	PASS
			1000~26500	15.09	-39.53	<=-4.91	PASS
		2440	Reference	15.17	15.17	---	PASS
			30~1000	15.17	-49.85	<=-4.83	PASS
			1000~26500	15.17	-39.7	<=-4.83	PASS
		2480	Reference	14.69	14.69	---	PASS
			30~1000	14.69	-50.29	<=-5.31	PASS
			1000~26500	14.69	-39.76	<=-5.31	PASS
BLE_1M	Ant2	2402	Reference	15.35	15.32	---	PASS
			30~1000	15.35	-50.56	<=-4.65	PASS
			1000~26500	15.35	-39.66	<=-4.65	PASS
		2440	Reference	15.40	15.37	---	PASS
			30~1000	15.40	-50.3	<=-4.6	PASS
			1000~26500	15.40	-39.23	<=-4.6	PASS
		2480	Reference	14.95	14.92	---	PASS
			30~1000	14.95	-49.02	<=-5.05	PASS
			1000~26500	14.95	-39.91	<=-5.05	PASS
BLE_2M	Ant2	2402	Reference	15.09	15.06	---	PASS
			30~1000	15.09	-50.67	<=-4.91	PASS
			1000~26500	15.09	-39.56	<=-4.91	PASS
		2440	Reference	15.17	15.14	---	PASS
			30~1000	15.17	-49.88	<=-4.83	PASS
			1000~26500	15.17	-39.73	<=-4.83	PASS
		2480	Reference	14.69	14.66	---	PASS
			30~1000	14.69	-50.32	<=-5.31	PASS
			1000~26500	14.69	-39.79	<=-5.31	PASS

Test Graphs

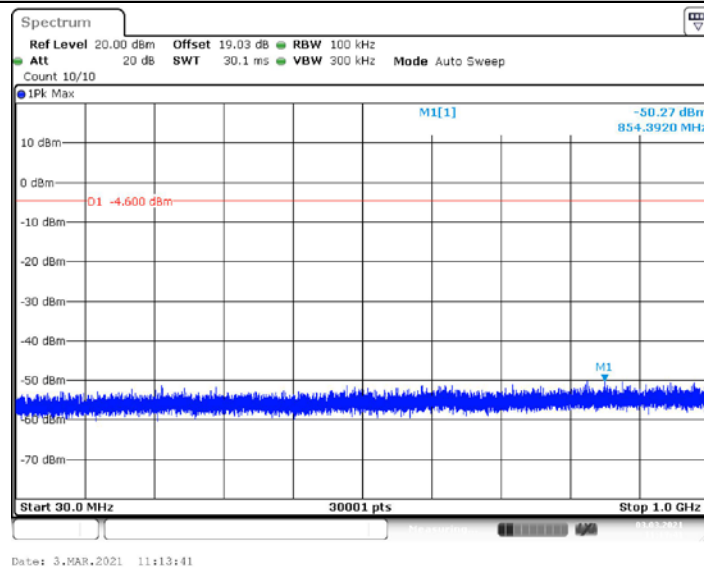




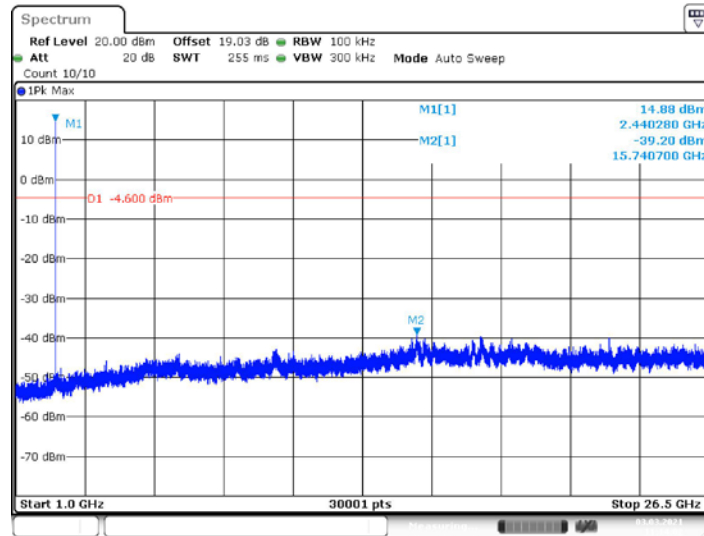
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



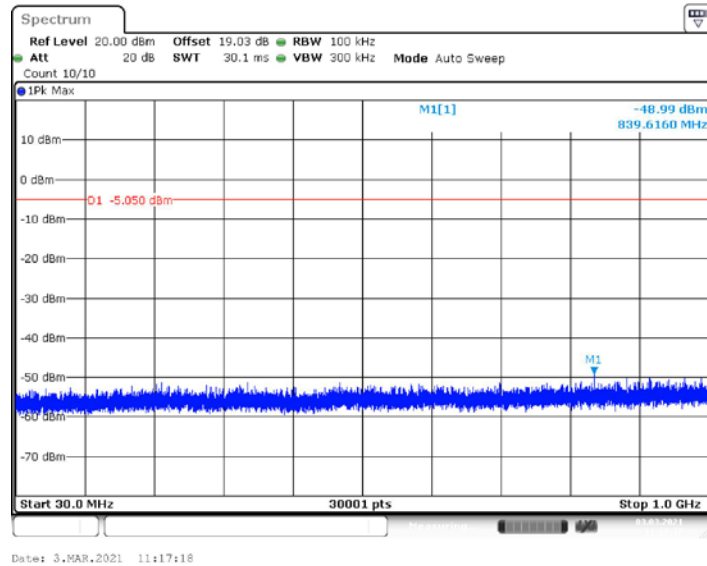
Date: 3.MAR.2021 11:14:03

BLE_1M_Ant1_2480_0~Reference

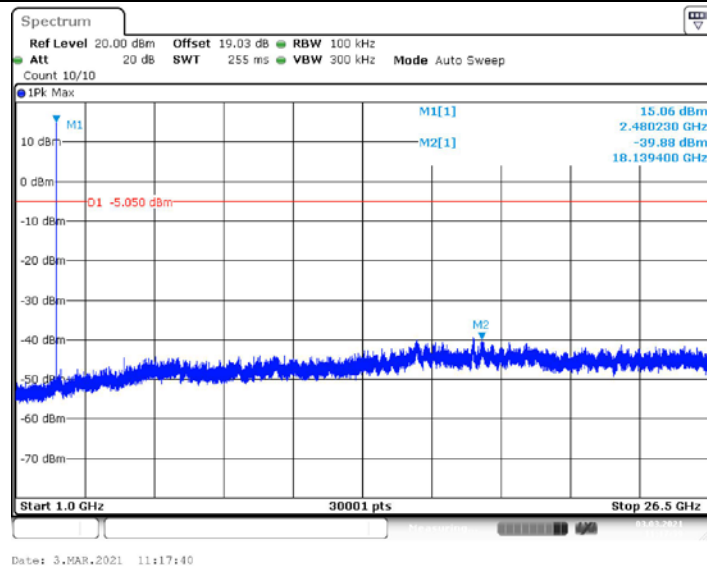


Date: 3.MAR.2021 11:17:14

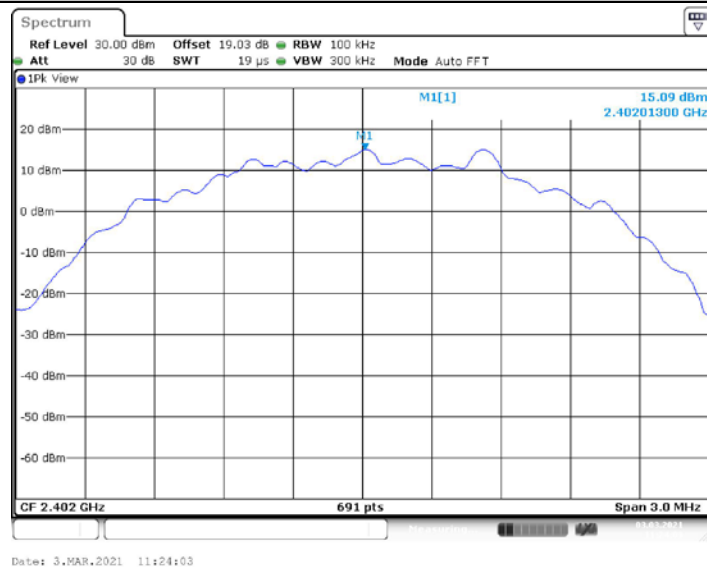
BLE_1M_Ant1_2480_30~1000



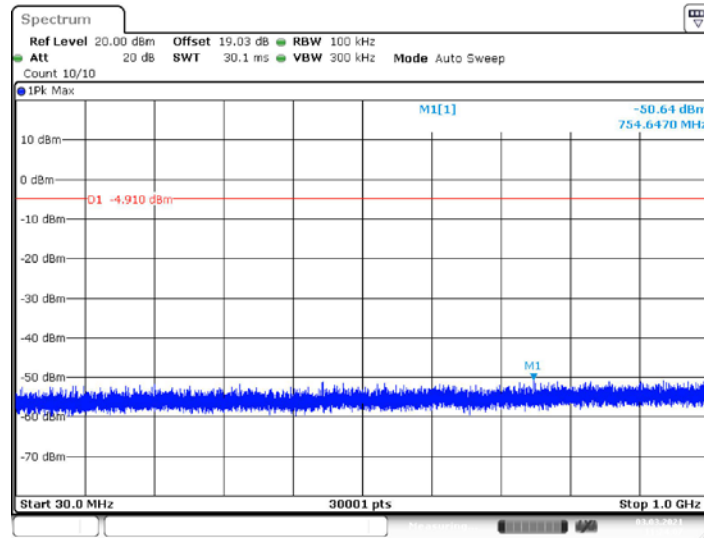
BLE_1M_Ant1_2480_1000~26500



BLE_2M_Ant1_2402_0~Reference

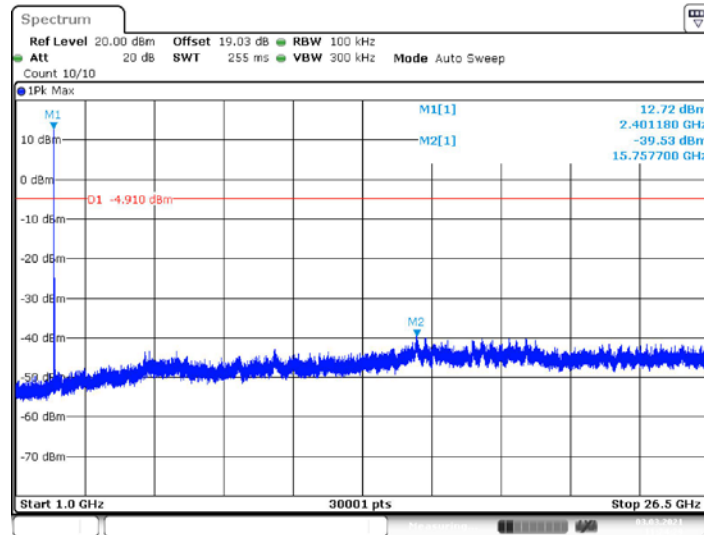


BLE_2M_Ant1_2402_30~1000



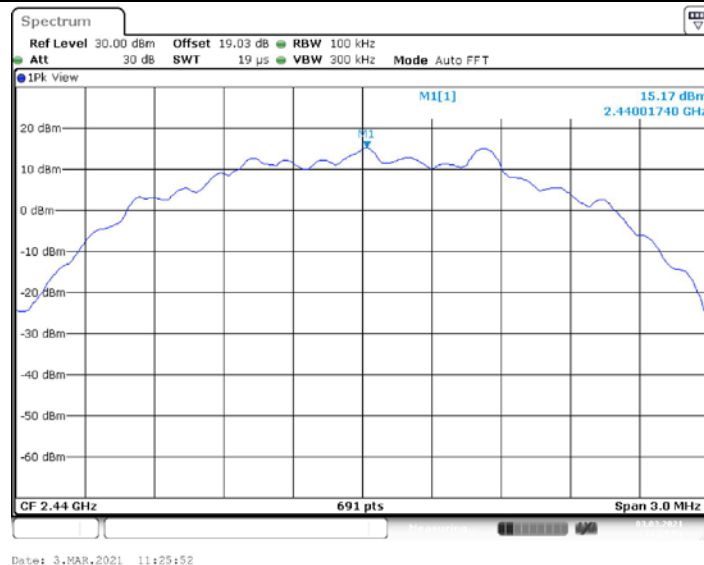
Date: 3.MAR.2021 11:24:07

BLE_2M_Ant1_2402_1000~26500

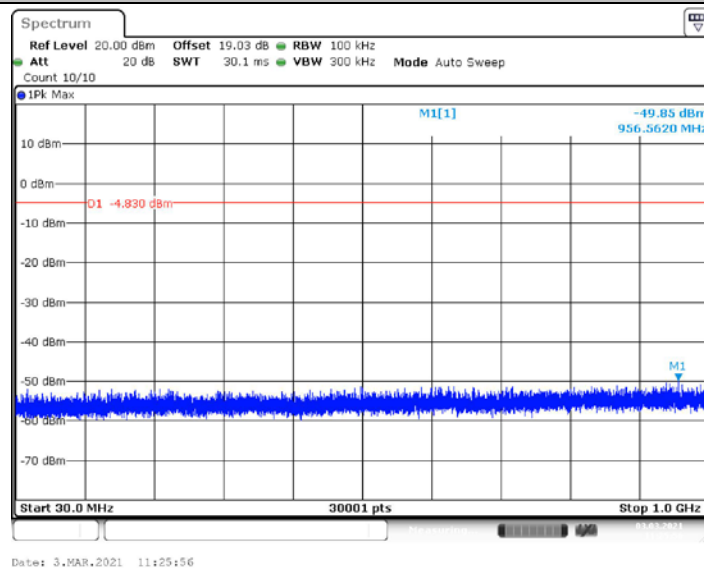


Date: 3.MAR.2021 11:24:29

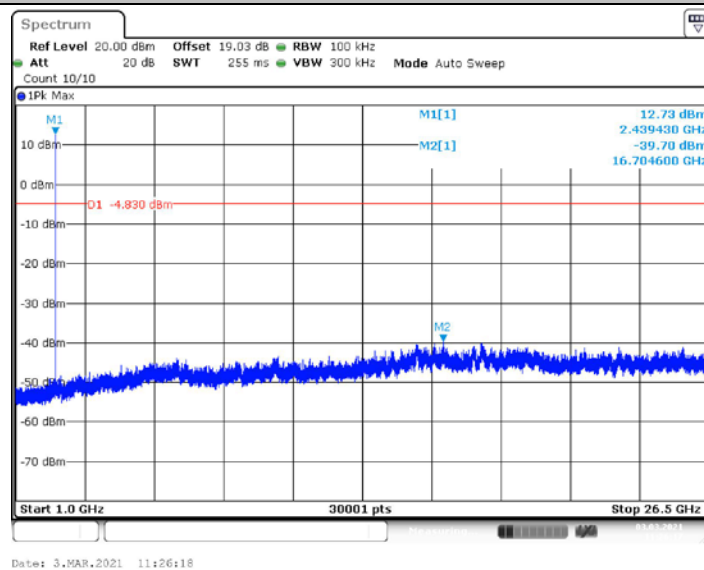
BLE_2M_Ant1_2440_0~Reference



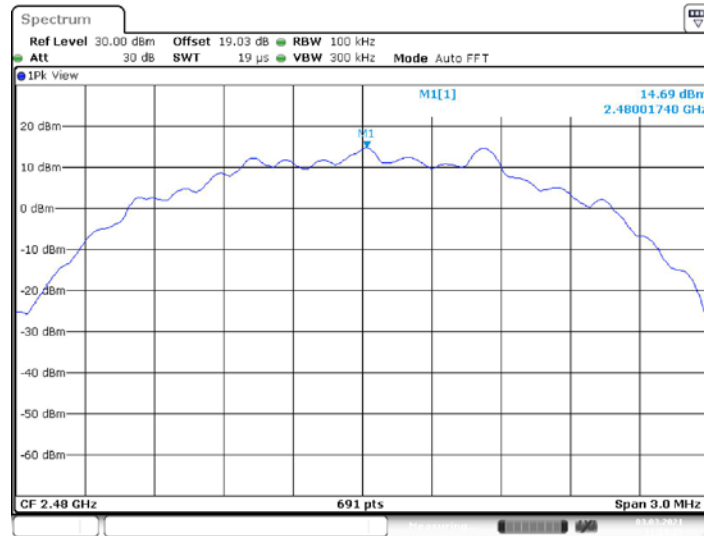
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500

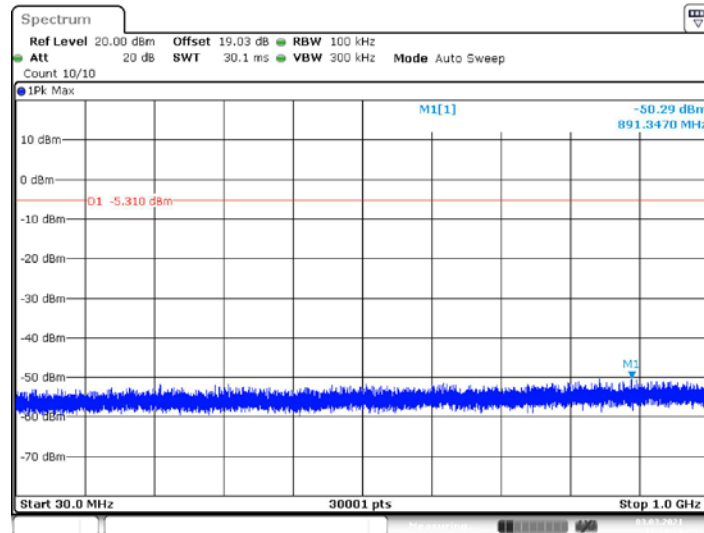


BLE_2M_Ant1_2480_0~Reference



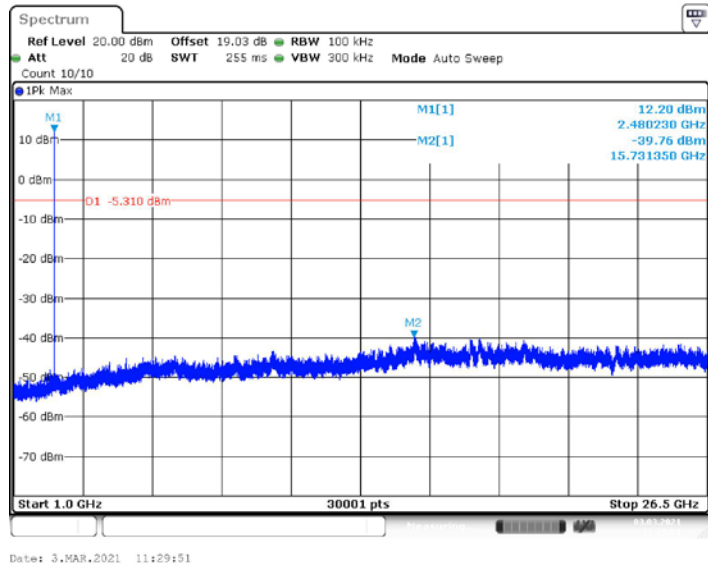
Date: 3.MAR.2021 11:29:25

BLE_2M_Ant1_2480_30~1000



Date: 3.MAR.2021 11:29:29

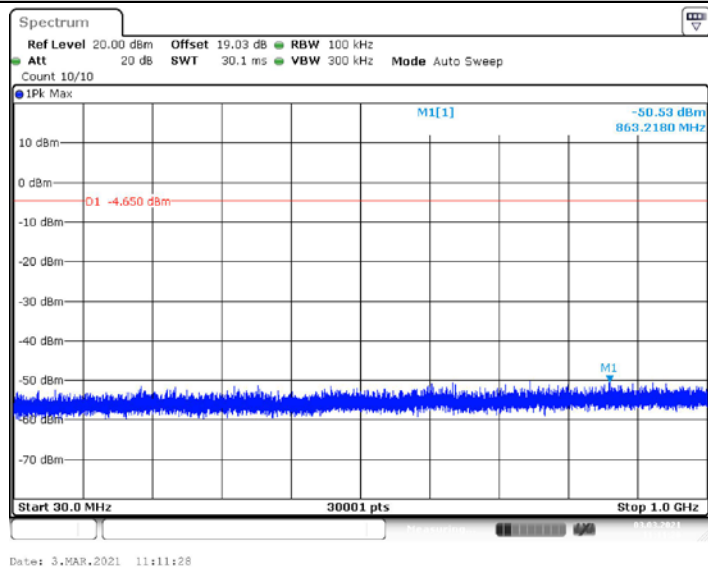
BLE_2M_Ant1_2480_1000~26500



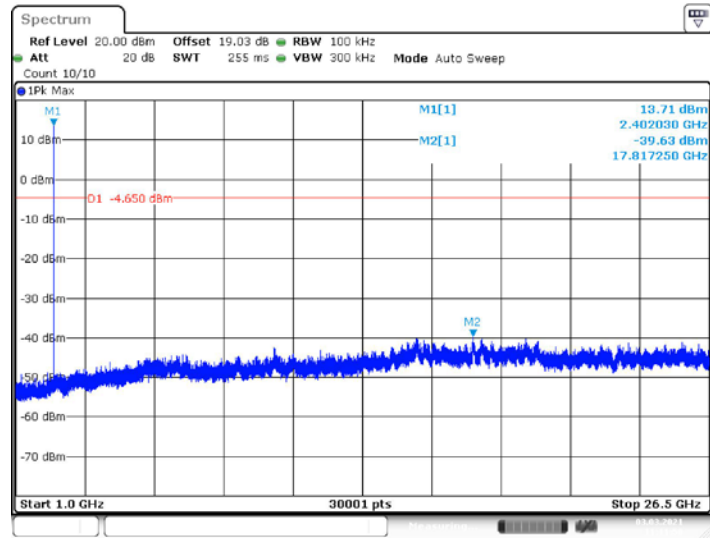
BLE_1M_Ant2_2402_0~Reference



BLE_1M_Ant2_2402_30~1000

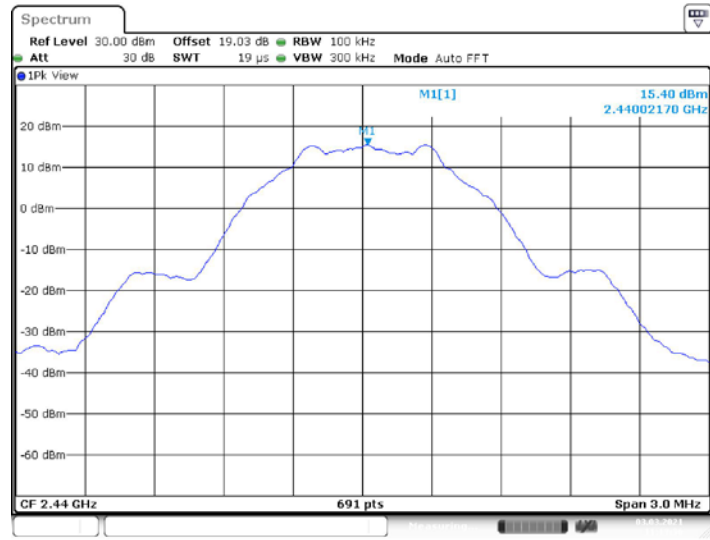


BLE_1M_Ant2_2402_1000~26500



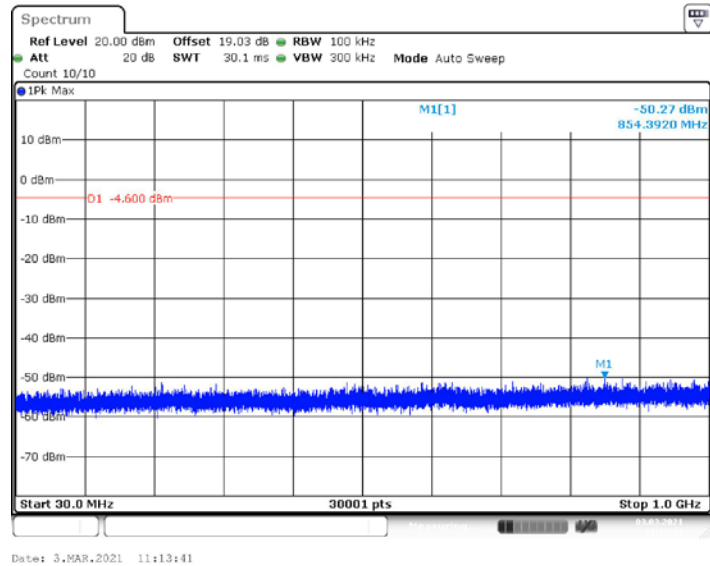
Date: 3.MAR.2021 11:11:50

BLE_1M_Ant2_2440_0~Reference

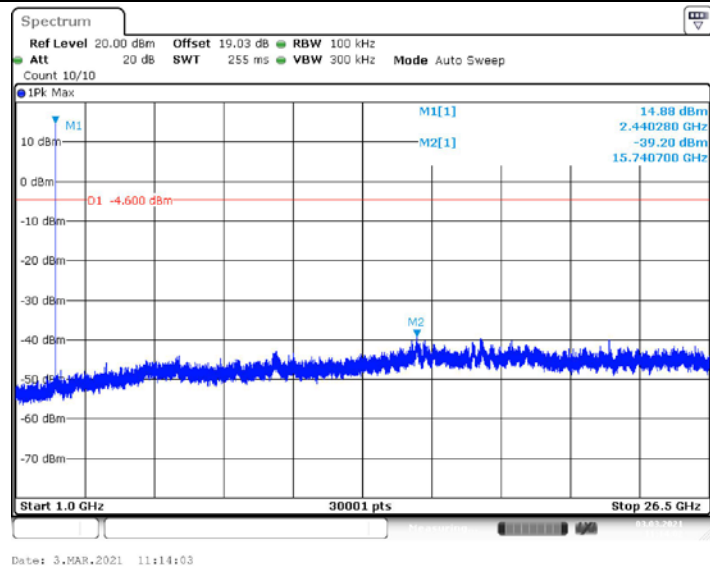


Date: 3.MAR.2021 11:13:37

BLE_1M_Ant2_2440_30~1000



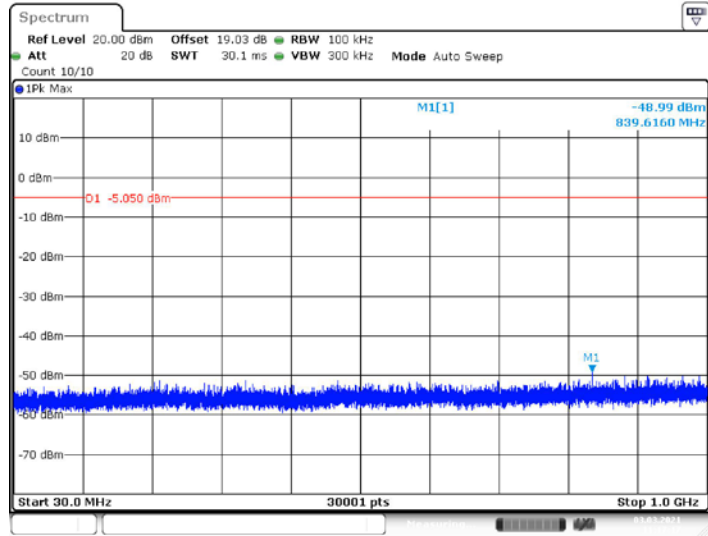
BLE_1M_Ant2_2440_1000~26500



BLE_1M_Ant2_2480_0~Reference

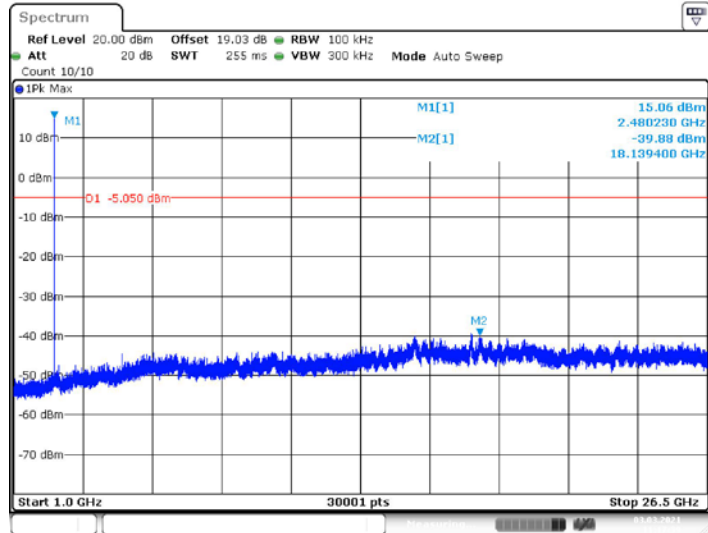


BLE_1M_Ant2_2480_30~1000



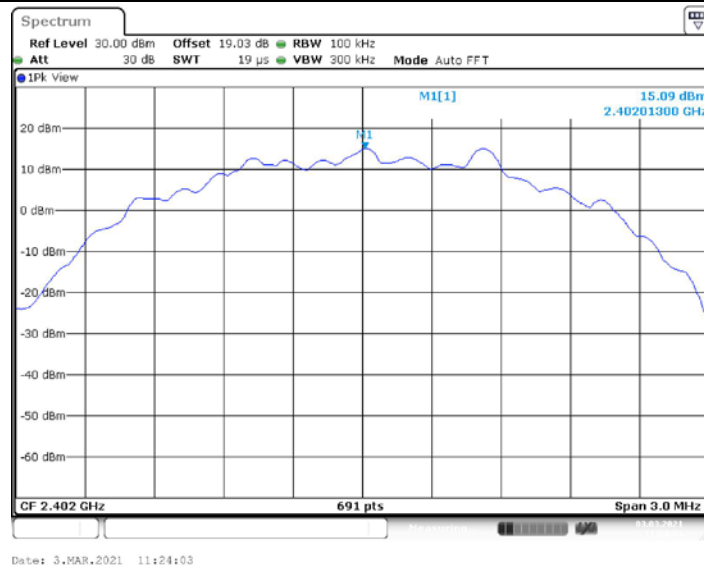
Date: 3.MAR.2021 11:17:18

BLE_1M_Ant2_2480_1000~26500

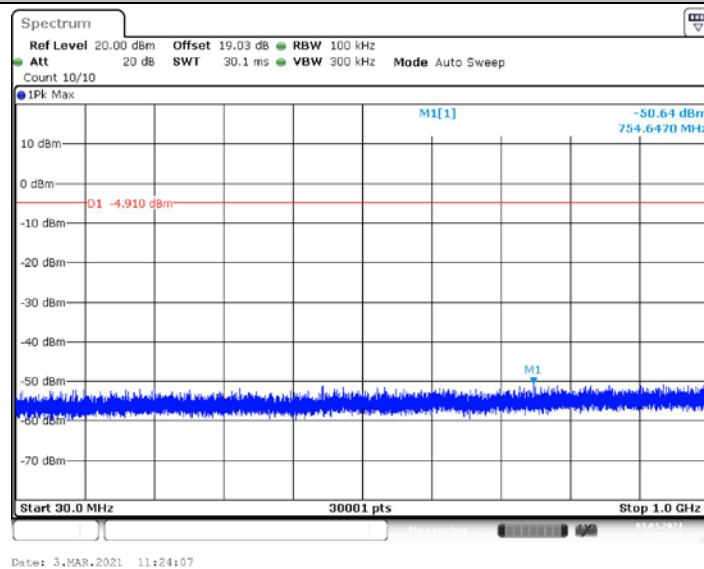


Date: 3.MAR.2021 11:17:40

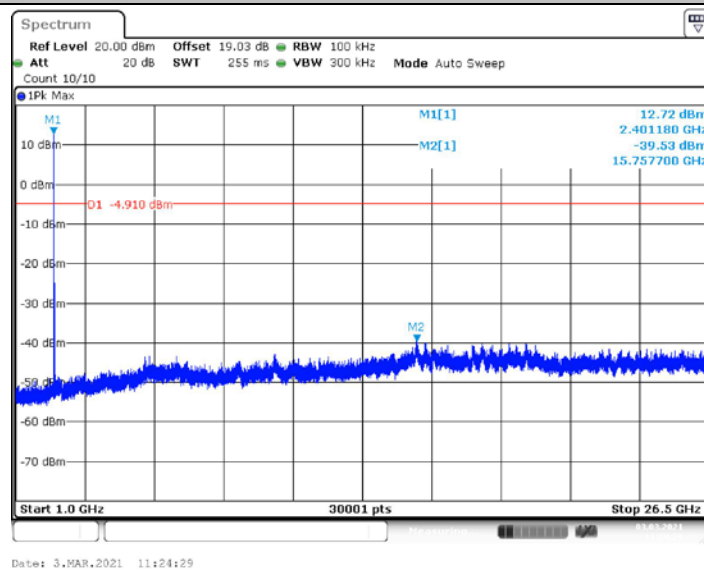
BLE_2M_Ant2_2402_0~Reference



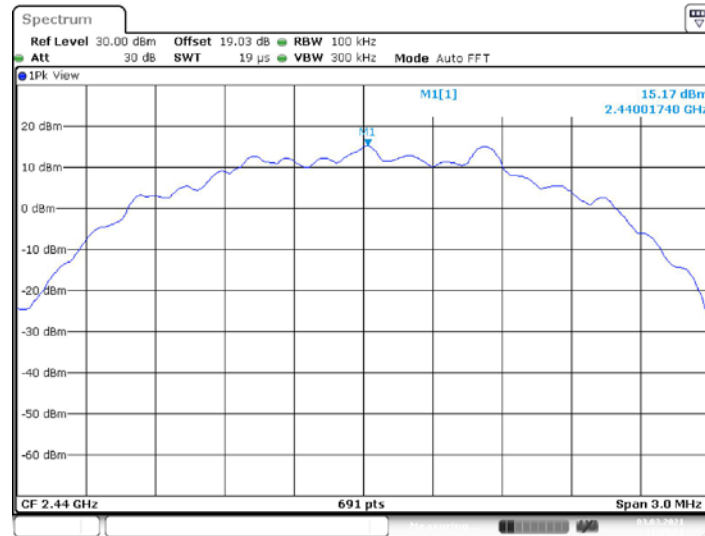
BLE_2M_Ant2_2402_30~1000



BLE_2M_Ant2_2402_1000~26500

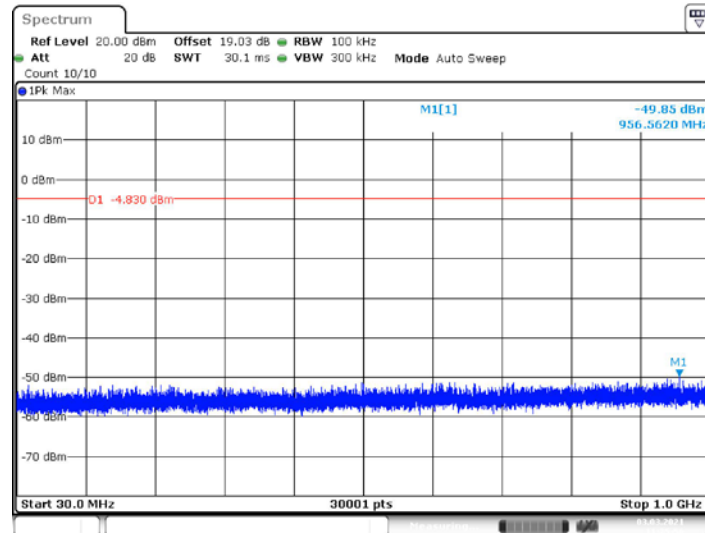


BLE_2M_Ant2_2440_0~Reference



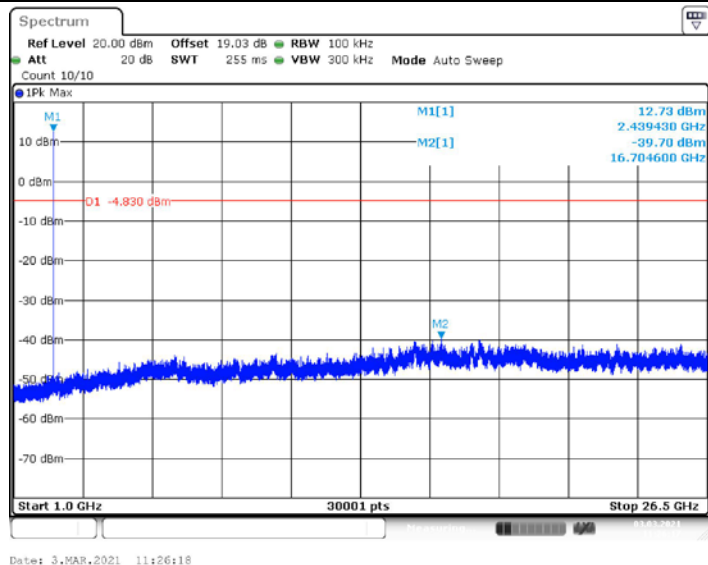
Date: 3.MAR.2021 11:25:52

BLE_2M_Ant2_2440_30~1000

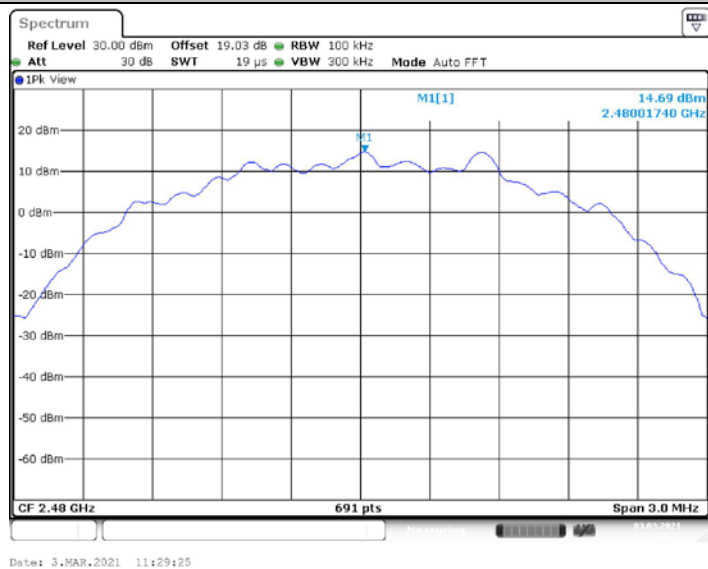


Date: 3.MAR.2021 11:25:56

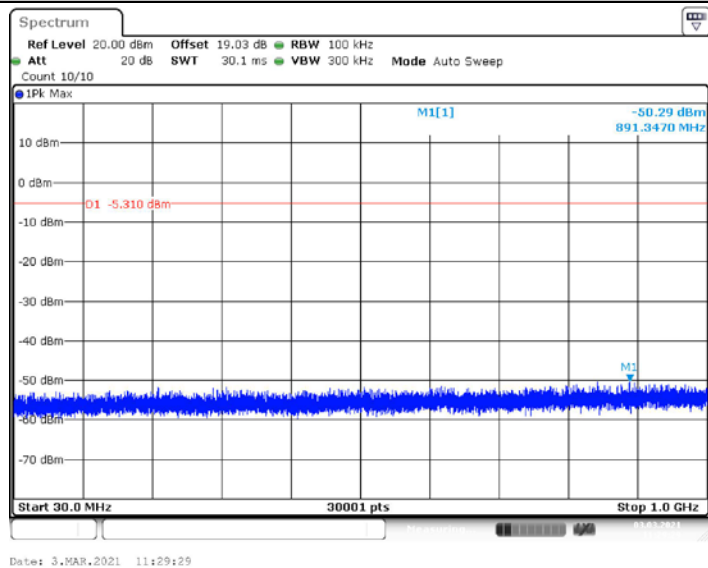
BLE_2M_Ant2_2440_1000~26500



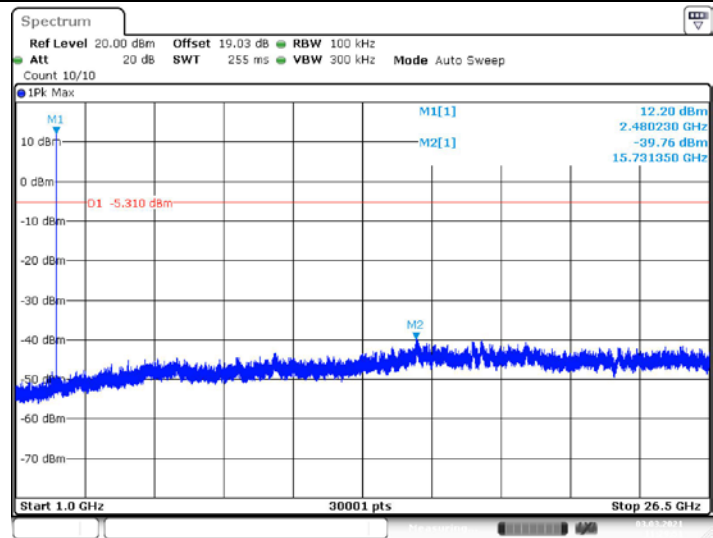
BLE_2M_Ant2_2480_0~Reference



BLE_2M_Ant2_2480_30~1000



BLE_2M_Ant2_2480_1000-26500



Date: 3.MAR.2021 11:29:51

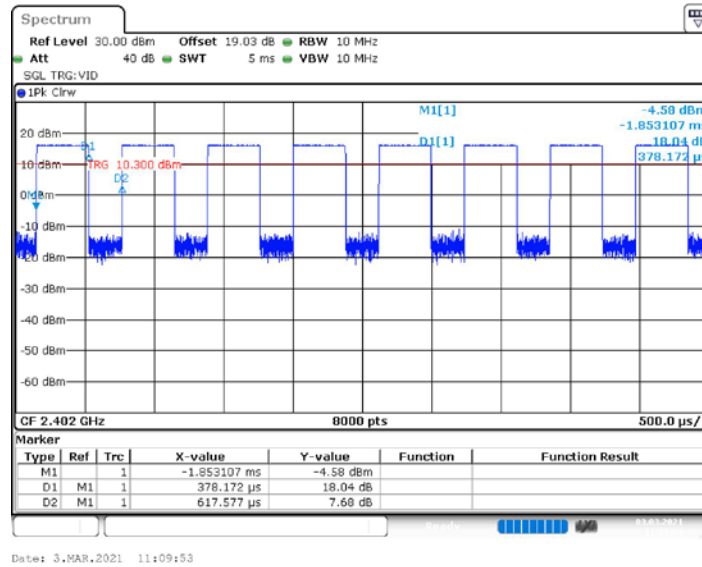
Appendix G: Duty Cycle

Test Result

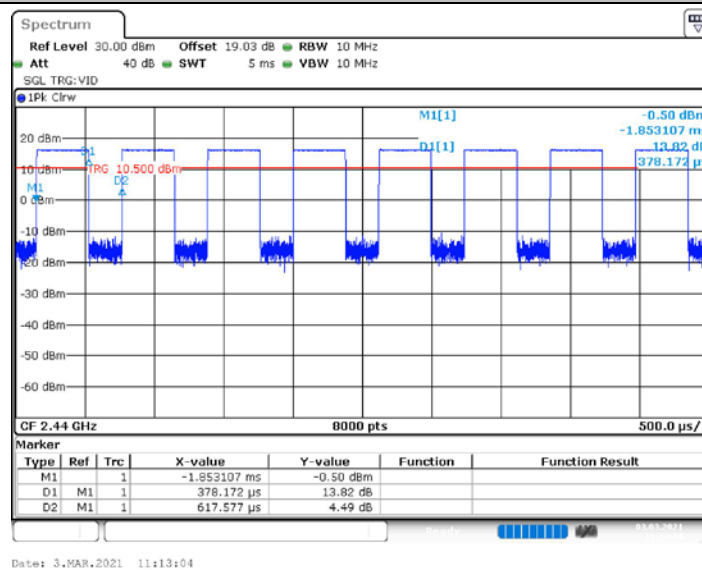
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	61.29	---	PASS
		2440	0.38	0.62	61.29	---	PASS
		2480	0.38	0.62	61.29	---	PASS
BLE_2M	Ant1	2402	1.06	1.85	57.30	---	PASS
		2440	1.06	1.85	57.30	---	PASS
		2480	1.06	1.85	57.30	---	PASS
BLE_1M	Ant2	2402	0.38	0.62	61.29	---	PASS
		2440	0.38	0.62	61.29	---	PASS
		2480	0.38	0.62	61.29	---	PASS
BLE_2M	Ant2	2402	1.06	1.85	57.30	---	PASS
		2440	1.06	1.85	57.30	---	PASS
		2480	1.06	1.85	57.30	---	PASS

Test Graphs

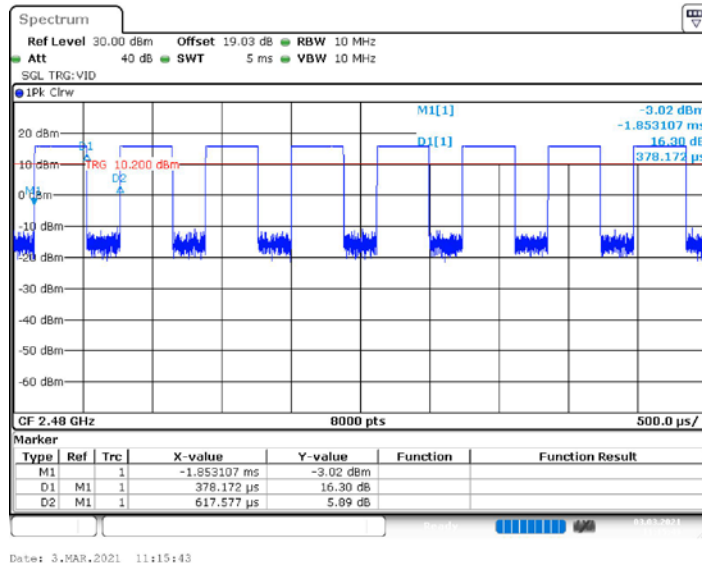
BLE_1M_Ant1_2402



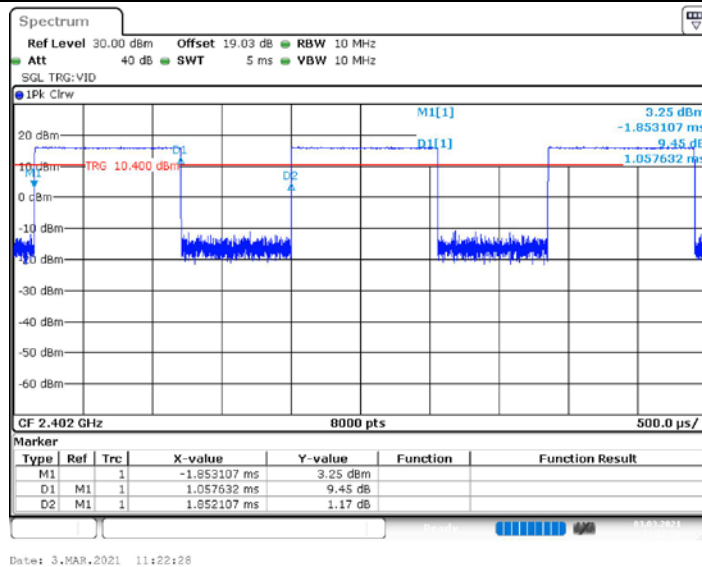
BLE_1M_Ant1_2440



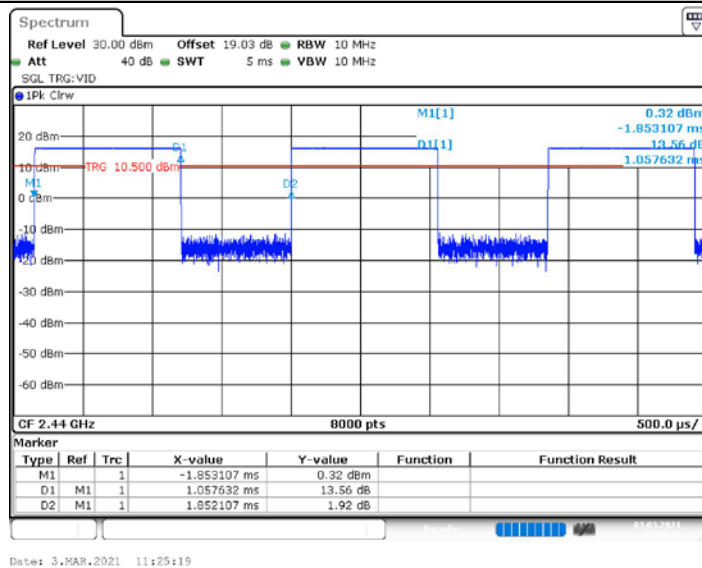
BLE_1M_Ant1_2480



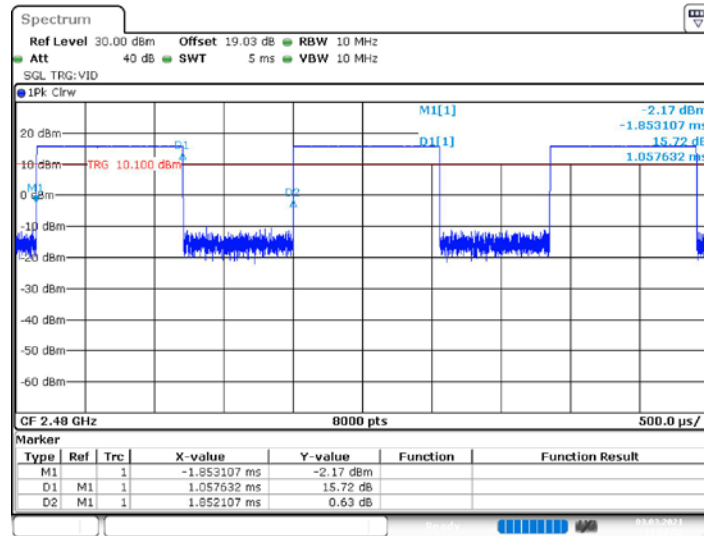
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440

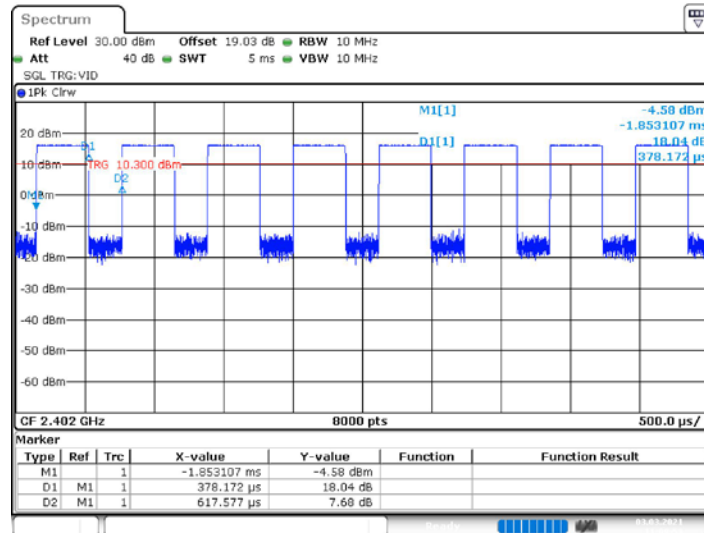


BLE_2M_Ant1_2480



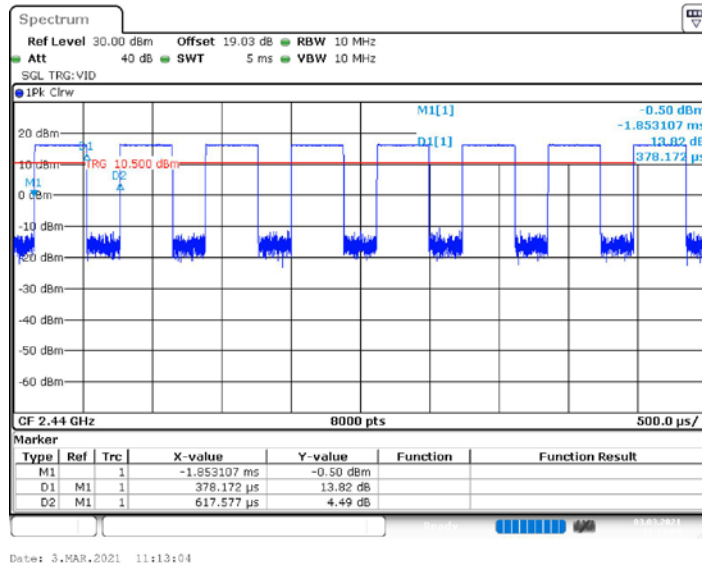
Date: 3.MAR.2021 11:27:53

BLE_1M_Ant2_2402

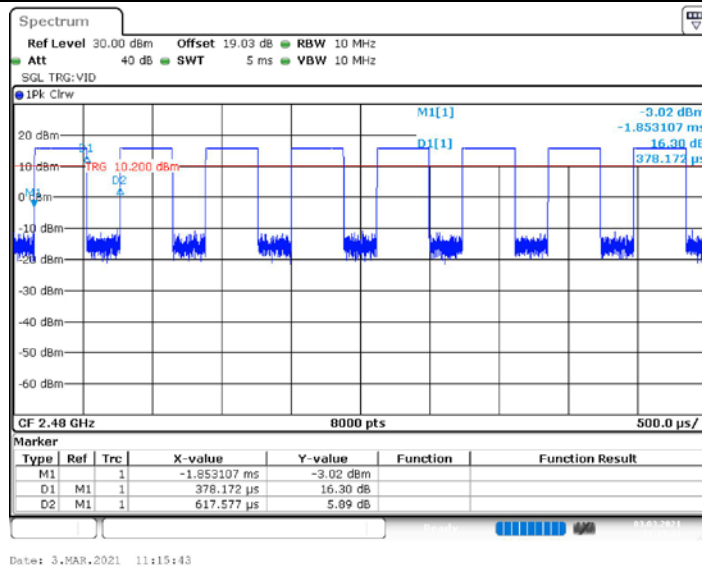


Date: 3.MAR.2021 11:09:53

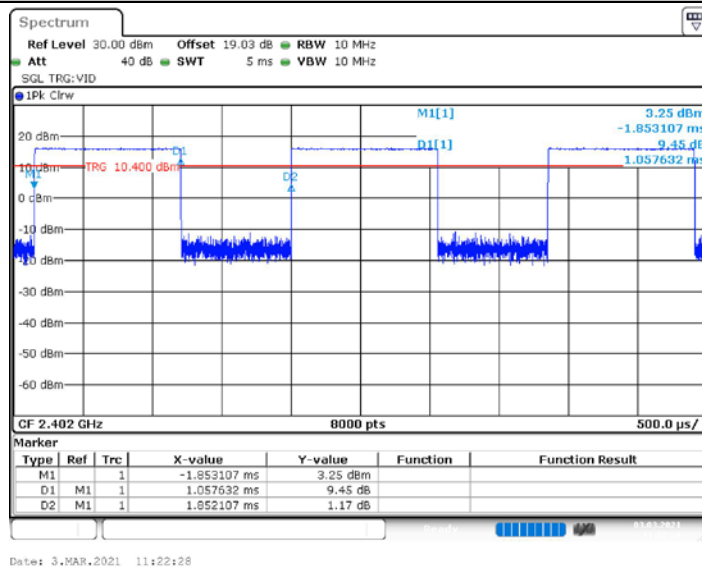
BLE_1M_Ant2_2440



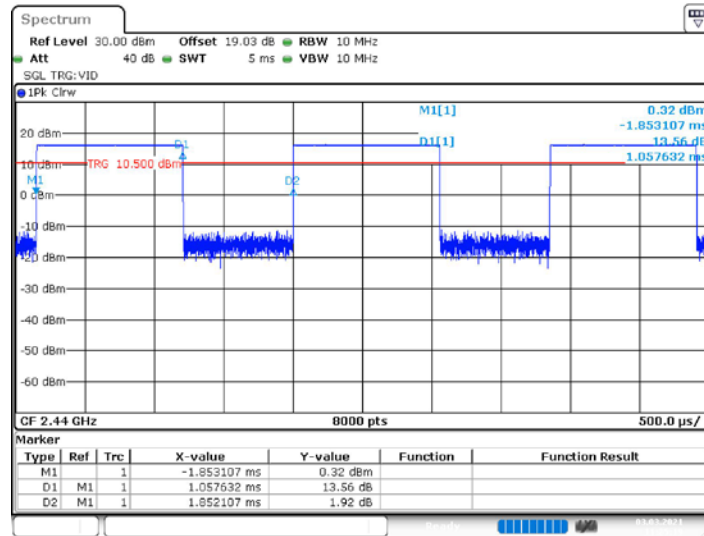
BLE_1M_Ant2_2480



BLE_2M_Ant2_2402

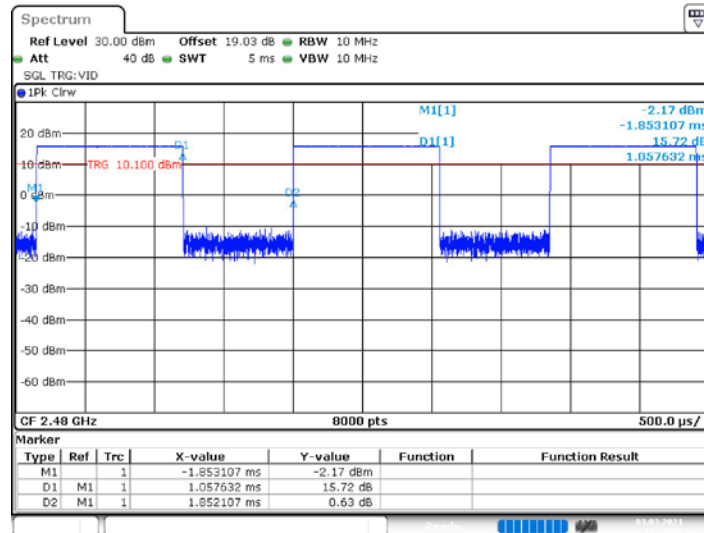


BLE_2M_Ant2_2440



Date: 3.MAR.2021 11:25:19

BLE_2M_Ant2_2480



Date: 3.MAR.2021 11:27:53