

Case No. : <u>GTS20260104013-1-01</u>
Ambient Condition: <u>25</u> °C, <u>43</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.1.08-2026.1.23</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.696	2401.644	2402.340	0.5	PASS
		2440	0.704	2439.632	2440.336	0.5	PASS
		2480	0.684	2479.656	2480.340	0.5	PASS

Test Graphs

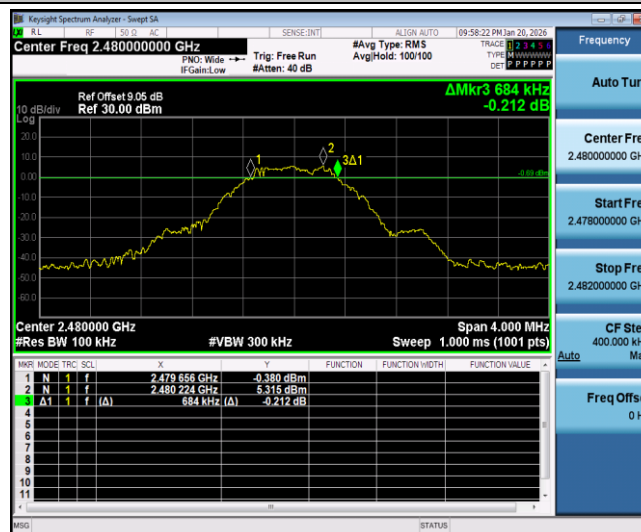
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



AppendixA.2: Occupied Channel Bandwidth

Test Result

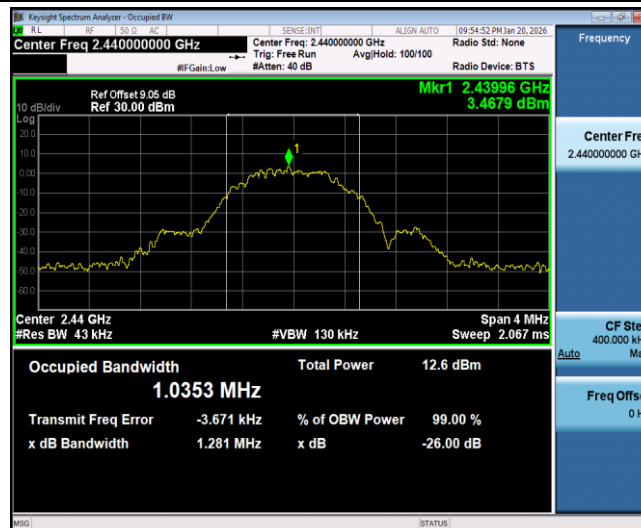
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0372	2401.4821	2402.5193	---	---
		2440	1.0353	2439.4787	2440.5140	---	---
		2480	1.0373	2479.4809	2480.5182	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



AppendixA.3: Maximum conducted output power

Test Result Peak

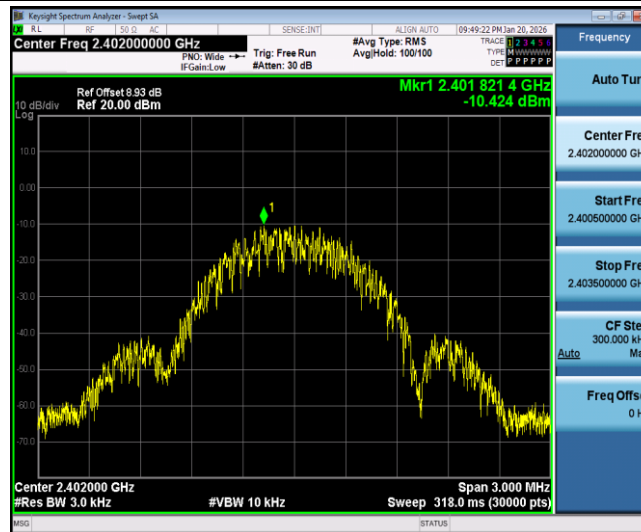
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	7.59	≤30	PASS
		2440	8.01	≤30	PASS
		2480	7.79	≤30	PASS

AppendixA.4: Maximum power spectral density**Test Result**

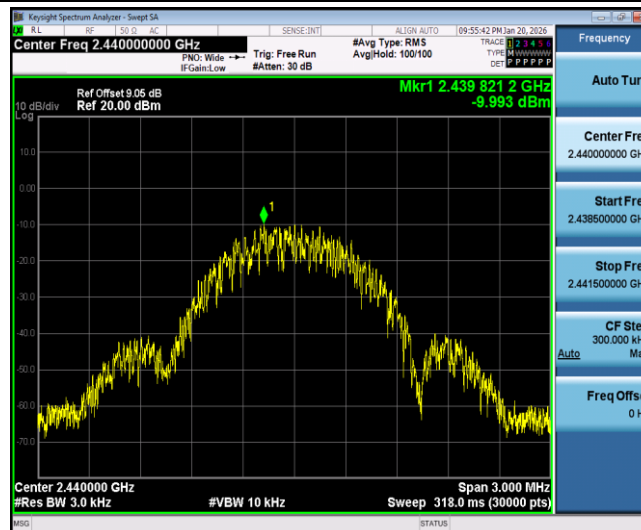
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.42	≤8.00	PASS
		2440	-9.99	≤8.00	PASS
		2480	-10.18	≤8.00	PASS

Test Graphs

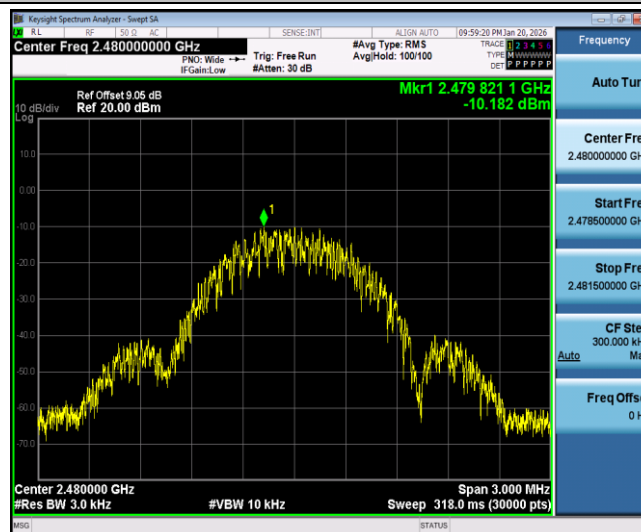
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

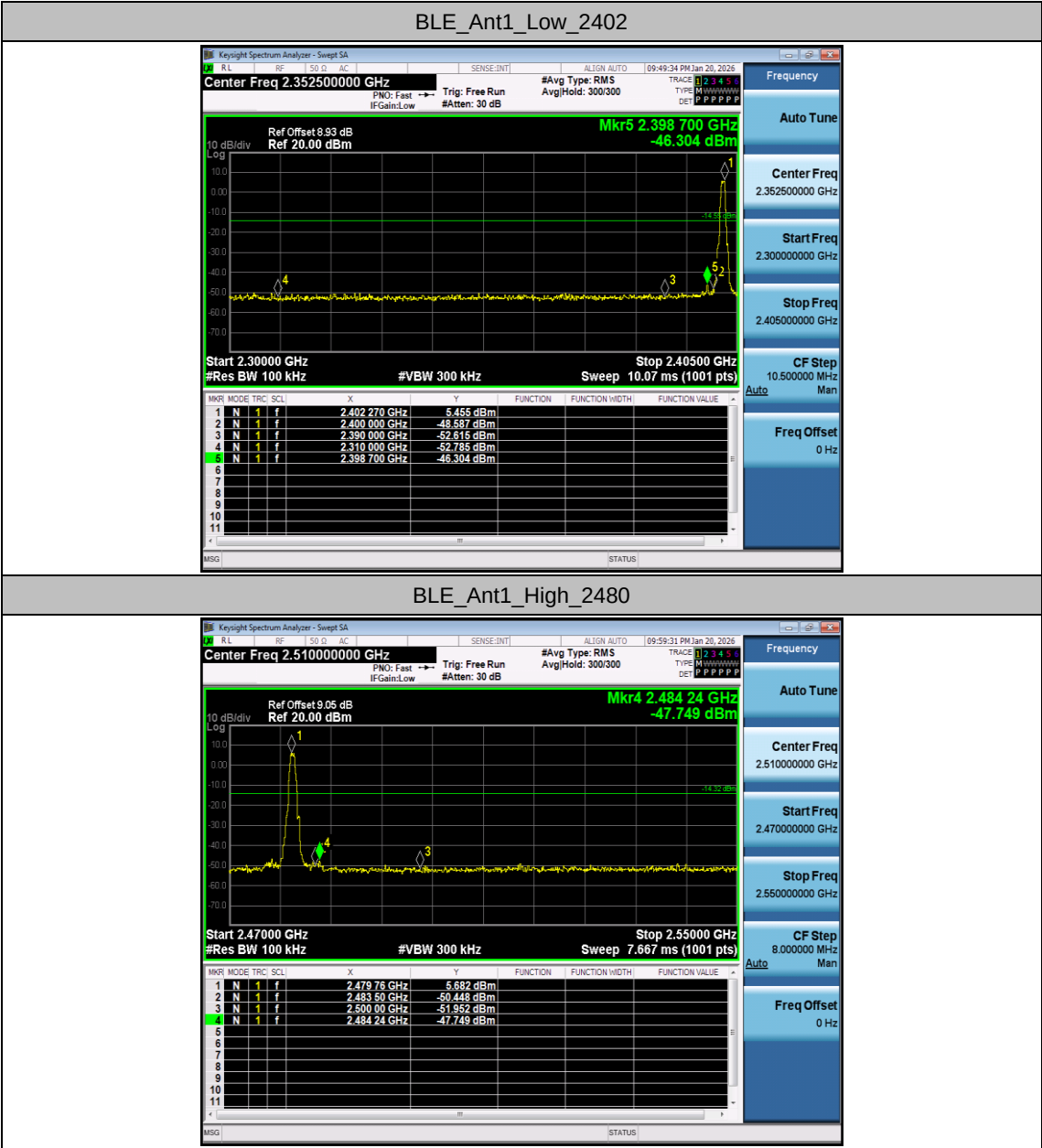


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	5.46	-46.3	≤-14.55	PASS
		High	2480	5.68	-47.75	≤-14.32	PASS

Test Graphs



Appendix A.6: Conducted Spurious Emission

Test Result

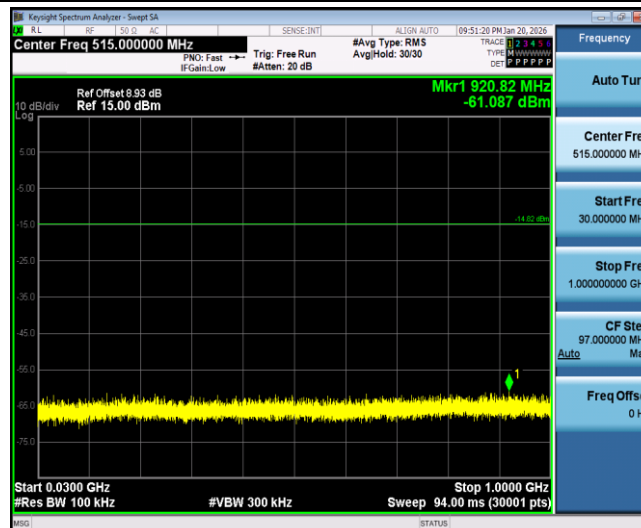
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	5.18	5.18	---	PASS
			30~1000	5.18	-61.09	≤ -14.82	PASS
			1000~26500	5.18	-44.55	≤ -14.82	PASS
		2440	Reference	5.60	5.60	---	PASS
			30~1000	5.60	-60.68	≤ -14.4	PASS
			1000~26500	5.60	-43.59	≤ -14.4	PASS
		2480	Reference	5.47	5.47	---	PASS
			30~1000	5.47	-60.65	≤ -14.53	PASS
			1000~26500	5.47	-43.37	≤ -14.53	PASS

Test Graphs

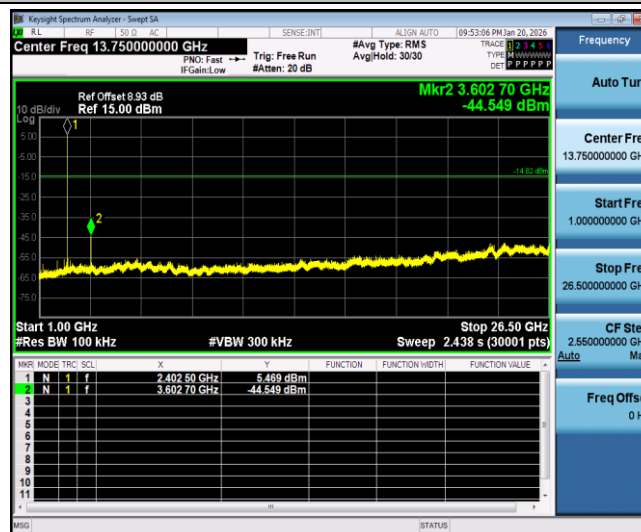
BLE_Ant1_2402_0-Reference

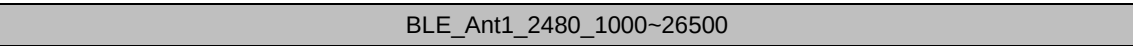
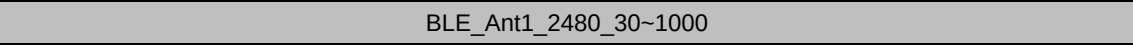


BLE_Ant1_2402_30-1000



BLE_Ant1_2402_1000-26500





Appendix A.7: Emissions in Restricted Bands

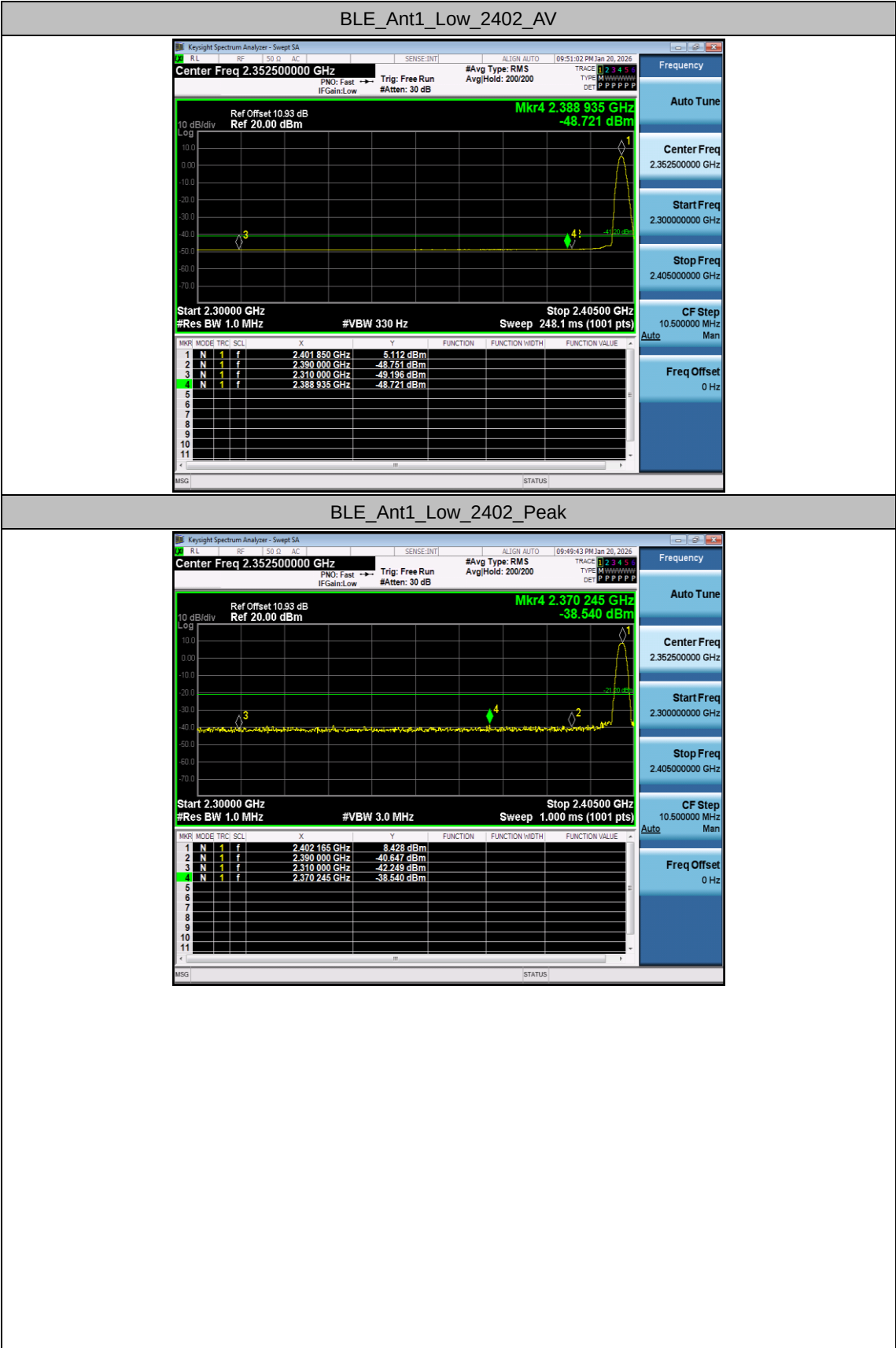
Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE	Ant1	Low	2402	AV	2310.000	-49.2	≤-41.20	46.00	≤54	PASS
				AV	2388.935	-48.72	≤-41.20	46.48	≤54	PASS
				AV	2390.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2310.000	-42.25	≤-21.20	52.95	≤74	PASS
				Peak	2370.245	-38.54	≤-21.20	56.66	≤74	PASS
				Peak	2390.000	-40.65	≤-21.20	54.55	≤74	PASS
		High	2480	AV	2483.500	-46.22	≤-41.20	48.98	≤54	PASS
				AV	2483.600	-46.22	≤-41.20	48.98	≤54	PASS
				AV	2500.000	-48.53	≤-41.20	46.67	≤54	PASS
				Peak	2483.500	-38.98	≤-21.20	56.22	≤74	PASS
				Peak	2483.680	-35.88	≤-21.20	59.32	≤74	PASS
				Peak	2500.000	-40.32	≤-21.20	54.88	≤74	PASS

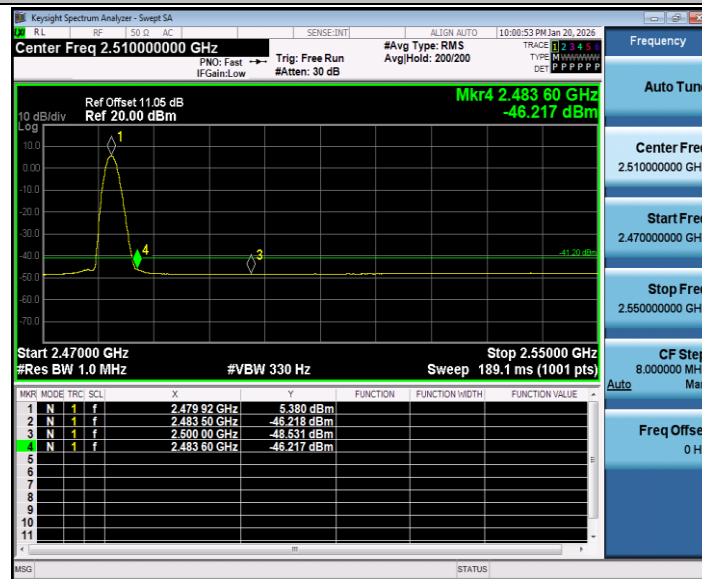
Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs



BLE_Ant1_High_2480_AV



BLE_Ant1_High_2480_Peak

